

Volume IV Hydrological Data

Flood Studies Report

Volume I	Hydrological Studies
Volume II	Meteorological Studies
Volume III	Flood Routing Studies
Volume IV	Hydrological Data
Volume V	Maps

Flood Studies Report
in five volumes

Volume IV

Hydrological Data

Institute of Hydrology
Wallingford, Oxfordshire OX10 8BB
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Preface to the third binding

The period 1981 to 1993 has seen many developments in flood hydrology. Although the basic philosophy of flood estimation using FSR techniques remains unchanged, there have been notable enhancements which are directly relevant to the use of this report.

A further nine Flood Studies Supplementary Reports (FSSR Nos. 10 to 18) have been issued to subscribers. The recommendations in these reports supersede some given in the original report. Supplementary Report No. 5 extended application of the report more fully to urbanized catchments, but has itself been partly superseded by FSSR 16. These and other revisions made it necessary to withdraw Institute of Hydrology Report No. 49, *Methods of flood estimation: a guide to the Flood Studies Report*. Help with the intricate revisions presented to users has been provided by the recent publication of Institute of Hydrology Report No. 114, *Reservoir flood estimation: another look*, and, most importantly, version 2 of the Micro-FSR computer package.

The opportunity has been taken to bind the Flood Studies Supplementary Report series into the main Flood Studies Report, and the option of purchasing FSR maps in flat (rather than folded) form has been withdrawn. Subscribers have been informed that the FSSR series is now closed. The notification has been accompanied by a reprint of the 1983 list "Some papers of interest to Flood Studies Report users" and a new bibliography "Additional papers relating to the Flood Studies Report, 1983 to 1992". In this third binding, these lists appear at the end of the second volume, after the FSSRs.

The Ministry of Agriculture, Fisheries and Food (MAFF) support substantial research programmes related to river and coastal flood defence. A review of their flood estimation research strategy is expected to recommend targeting some of this research towards producing successor publications to the FSR. Those publications dealing with statistical flood frequency analysis are expected to present substantially new material, while those dealing with the rainfall-runoff method and the incorporation of local information are expected to consolidate the presentation of existing guidance.

Pending these new publications, specific recommendations arising from current research (notably on small catchment response times) will be published in the Institute of Hydrology's main report series.

A separate objective is the development of advanced methods of flood estimation based on continuous simulation of catchment response. Such methods will use models that more fully reflect physical processes and which are better able to exploit the detailed topographical and physiographic data that are becoming available. These will take time to succeed and meanwhile it is gratifying that methods from the Flood Studies Report stable continue in widespread use some 20 years after the original study.

Institute of Hydrology

March 1993

Preface to the second binding

In binding further copies of the Flood Studies Report, the opportunity has been taken to include the corrigenda as separate lists in the front of each volume. The corrigenda are those which were notified to original buyers in December 1977 plus the more significant corrections which have been noted recently. The correct version of Figure 3.6 in Volume II is now bound into place. Also, an error on Map II.3.5 (S) in Volume V has been corrected on the map itself.

The errors which remain in the text of the report and which are significant in application of the methods are those on p. 344 and p. 473 of Vol. I and p. 16 of Vol II. Otherwise, the corrigenda listings are of errors or misprints which relate to the mathematical development of the methods or the values of catchment characteristics.

Since original publication in 1975, a number of brief supplementary reports have been produced and made available in a separate ring file. With this second binding, the ring file is being included with the five main volumes of the Report and all purchasers will receive further supplementary reports as and when they are produced.

Supplementary Report No. 7 was originally accompanied by a revised 'SOIL' map (Fig. I.4.18) but this is now included in Vol. V in place of the original map.

Also included with the five volumes and the ring file is a copy of the slim guide to the use of the Report's methods. Further copies of this guide may be obtained free of charge from the Institute of Hydrology.

The Report has been the subject of two conferences organised by the Institution of Civil Engineers and a seminar at the University of Birmingham. The London conference in May 1975 was designed to publicise the existence of the Report and most of the papers were written by Report authors giving further details of the procedures or illustrating different aspects of its potential areas of application. The Birmingham seminar of March 1977 was an opportunity for users and critics of the Report to discuss problems in application; a summary of the main points is given in Supplementary Report No. 3. The Manchester Conference of July 1980, entitled 'Flood Studies Report—Five Years on', included a number of papers giving examples of engineers' experience in applying the methods as well as some by researchers with details of recent advances.

The proceedings of the two ICE Conferences can be obtained from the Institution's publishing company, Thomas Telford Ltd. (PO Box 101, Telford House, 26-34 Old Street, London EC1P 1JH, UK).

Institute of Hydrology
Wallingford, Oxon, UK

January 1981

Preface

The investigations of methods of flood estimation for engineering design purposes, which are described in this report, were carried out at the Institute of Hydrology, the Meteorological Office and the Hydraulics Research Station, with the co-operation of the Irish Office of Public Works and Meteorological Service, the Soil Surveys and other organisations.

The Flood Studies Report consists of five volumes. Volume I contains the hydrological studies, Volume II the meteorological studies, Volume III the flood routing studies, Volume IV the hydrological data, and Volume V the maps.

Cross-references to sections, equations and figures are by chapter numbers, preceded by a volume number if necessary. Thus, Section 1.3.5.2 is in Chapter 3 of Volume I. Equations are numbered consecutively within chapters, except in Chapters 1 and 2 of Volume I where it was necessary to number them within subsections. Figures are numbered consecutively within chapters; certain figures illustrating Volumes I and II are contained in Volume V.

The chapter titles illustrate the scope of the report.

Volume I—Hydrological studies

A Introduction

- 1 Statistics for flood hydrology
- 2 Statistical flood frequency analysis
- 3 Methods of extension of short records
- 4 Estimation of flood peaks from catchment characteristics
- 5 Estimation of flood volumes over different durations
- 6 Synthesis of the design flood hydrograph
- 7 Supplementary studies: snowmelt runoff, conceptual catchment model and flood routing
- 8 Future research and investigation needs

Volume II—Meteorological studies

- 1 A guide to procedures and contents of Volume II
- 2 Regional analysis of point rainfall extremes
- 3 Estimation and mapping of M5 (5 year) values for different durations
- 4 Estimated maximum falls of rain
- 5 Areal rainfall
- 6 Storm profiles
- 7 Snow cover and snowmelt
- 8 Examples of rainfall estimates for the Tyne and Wansbeck catchments
- 9 Some historic heavy rainfall events

Volume III—Flood routing studies

- 1 Choice of a flood routing method
- 2 Theory of flood routing
- 3 Comparison of flood routing methods
- 4 Strategy for flood routing
- 5 Appendices

Volume IV—Hydrological data

- 1 Collection of records
- 2 Data used in statistical analysis
- 3 Data used in unit hydrograph analysis
- 4 Historical flood records

- 5 Master list of gauging stations, catchment characteristics and flood statistics
- 6 Basic flood records

Volume V—Maps

The following maps illustrating Volumes I and II are contained in Volume V. (S indicates the southern part of Great Britain, N the northern part, and I indicates Ireland.)

- I.4.18 (S, N and I) Winter rain acceptance potential
- I.4.19 Estimated mean soil moisture deficit
- I.4.20 River gauging stations used in analysis
- I.4.21 Mean annual flood (BESMAF) divided by area
- I.4.22 Coefficient of variation of annual flood
- I.4.23 Residuals from BESMAF prediction equations

- II.3.1 (S, N, I and NI) Average annual rainfall
- II.3.2 (S, N and I) 2 day M5 rainfall
- II.3.3 (S, N and I) 2 day M5 rainfall as % of AAR
- II.3.4 25 day M5 rainfall
- II.3.5 (S, N and I) 1 hour M5 expressed as % of 2 day M5
- II.4.1 Estimated maximum 2 hour rainfall
- II.4.2 Estimated maximum 24 hour rainfall

This volume, which forms Volume IV of the Flood Studies Report, describes the collection, appraisal and processing of the hydrological data used in the investigation, and presents the basic data. The units used are metric, except where otherwise stated; flows are given in cumecs (cubic metres per second).

Corrigenda to Volume IV

This volume contains a mass of data which was used in the report including a very large number of catchment characteristics. A number of errors have been found or pointed out, and no doubt detailed investigation would result in many amendments.	p.123	For 28804, STMFRQ should be about 0.68, not 1.49 (compare 28009)
This is particularly true of the variable STMFRQ which relies on the manual counting of stream junctions on 1:25,000 scale maps. Users are advised always to extract their own value of this variable rather than to rely on the values from nearby catchments given in the Master List (Chapter 5). Since 1975, when this Report was first published, the computerised Master List has been subject to continual revision and users may wish to check on the latest values for gauged catchments (by telephone (0491 38800) or letter to Flood Studies Enquiries, Institute of Hydrology, Wallingford, Oxon, UK, OX10 8BB).	p. 123 p.125 p.125 p.130 p.131	For 32002, SOIL 1 should be 0.63, SOIL 4 should be 0.37, SOIL 2, SOIL 3, SOIL 5 should be 0.0. SOIL is 0.261 not 0.441 For 37013, DVF is 0.07, not 0.700 For 38807, URBAN is 0.90, not 0.046 S1085 for catchment 67010 should be 10.07, not 17.99 For 69007, URBAN should be about 0.270, not 0.447 (compare 69001)
p.96 and 215	Grid Ref for 21032 should be NT 919310	p.426
p.97	Grid Refs for 22005 and 22007 have been interchanged. 22005 should be NZ 181857, 22007 should be NZ 175858. For 26801, AREA should be 15.8	The discharges quoted for 71802, Ribble at Halton West, are incorrect. (They were not used in the study)
p. 110	For 54022, AREA should be 8.70	
p.121	For 22007, MSL, S1085 and TAYSLO should be 32.40, 7.18 and 5.67	
p.122	For 26801, SOIL 1 = 0.00, SOIL 2 = 0.16, SOIL 4 = 0.84, SOIL = 0.426	

Acknowledgements

The greater part of the flood records and recording rainfall information was obtained from gauging authorities and organisations within the water industry, who gave much time to this assistance.

Thanks are due to all those organisations listed in Chapters 3 (Table 3.1), 4 and 5 of this volume and to individuals too numerous to list here. Permission to publish the records given in Chapter 6 is gratefully acknowledged. The permission of the Director General, Ordnance Survey, to reproduce map information is acknowledged. Crown copyright is reserved.

In addition thanks are due to the following who provided additional information. Babbie, Shaw and Moreton, and Glenfield and Kennedy, Kilmarnock, who provided the rating and records of the gauge on the River Irvine. Binnie and Partners, who provided a number of historical records including the flows of the Annalong. British Aluminium who provided records from their gauge on Allt Leachdach. C. H. Dobbie and Partners (Dr T. M. Prus-Chacinski), the Resources Group, and Miss E. M. Shaw, Imperial College, who provided historical data on floods on the Rivers Mole, Wey, Stour and Kent. Freshwater Biological Association (Dr H. C. Gilson) who supplied records of lake levels of Lake Windermere from 1933 and Esthwaite Water from 1954. Sir Alexander Gibb and Partners who provided information from the Morecambe Bay Feasibility Study on the Rivers Leven at Newby Bridge, Kent at Sedgwick and Kendal, and Crake at Low Nibthwaite. Professor D. M. McDowell, Simon Engineering Laboratory, University of Manchester, who provided a copy of a model investigation carried out for Binnie and Partners, consultants to Manchester Corporation Waterworks. Nature Conservancy (Mr A. J. P. Gore) for information on river gauges at Moorhouse. The Universities of Exeter and Hull, records from whose experimental catchments were provided. James Williamson and Partners (Mr R. W. Buchanan) who provided advice on the ratings of six gauges in the Loch Awe catchment. Professor P. O. Wolf, City University, the custodian of Captain W. N. McClean's early hydrometric records. York City Engineer for the historical records of the Guildhall gauge.

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1 Collection of records

1.1 Introduction

The basic data collected and used during the current investigation are presented or summarised in this volume. These comprise lists of gauging stations and their gradings and catchment characteristics, flood statistics, the basic peak flow records for 530 stations, with historical records where these were found, and summaries of 1500 events used in catchment response studies. Some account of the work is presented as a guide to the available data, to enable the user to judge its reliability, and as a background to the analysis presented in Volume I. It is hoped that the account may also be useful to future investigators.

A large proportion of the work of the team was involved with the collection, appraisal, extraction and processing of records, which necessarily preceded the analysis though not the development of analytical methods and programs. This was necessary not only because records were not available in the form in which they were required for analysis, but also because the appraisal of the reliability of records was as essential a part of this as of any other hydrological investigation. Many unpublished records were found during the course of the study.

The Report of the Committee on Floods in the United Kingdom, 1967, stressed that it was essential to subject data to a detailed and critical review. It was recommended that all river gauging stations should be visited and studied, that records from reservoir sites should be appraised, that historical flood records should be examined, that land use changes should be recorded, and that basic data should be published with assessments of their accuracy.

This programme has been followed as far as possible. The gauging stations whose records have been published were visited and graded, but in addition a large number of other stations were examined. Because reservoir levels are seldom recorded continuously but only measured daily, very few records of peak flow could be derived from these sites; continuous level measurements are recommended in future. Historical flood records were collected and examined, but only at sites where they could be related to an established gauging station. There is insufficient evidence to provide detailed records of changes in land use; however, present fractions of urban development have been measured and proved to be useful as a predictive variable, while areas of forest were tested in a pilot study with negative results.

The results of this programme have been largely published in this volume, but are supported by other material which is held at the Institute of Hydrology. The information accumulated during the study forms a unique collection of flood records, which if updated at regular intervals would continue as a national archive. The Master List of 1294 gauging stations in this volume includes systematically measured catchment characteristics and flood statistics for those of a reasonable quality and length of record. The supporting station files in the Institute contain details of history, description, rating, and catchment; they include a brief report and a rating summary as well as a grading assessing the reliability of the station's flood record.

River level or flow charts from over 900 stations, with 9500 station years of record or half a million charts, are stored by station number on 35 mm microfilm, together with some ledger copies of daily levels. An identical collection of these films, accumulated to September 1969 for England and Wales and 1970 for Scotland, was held by the Water Resources

Board and a copy was provided to the gauging authorities who lent the original charts. Copies of recording rain gauge charts for stations near catchments used in the unit hydrograph study have been made on 16 mm microfilm.

The flood records forming the greater part of this volume, the date, level and discharge of the peaks over a threshold and the annual maxima, together with the monthly maxima not published in this volume, are also held as punched cards and on magnetic tape.

Summaries of 1500 events on 140 catchments used in the unit hydrograph study are given in this volume. Details of hourly areal rainfall, the resultant runoff, 28 days of antecedent daily rainfall, and the estimated soil moisture deficit on the day of the storm are assembled on magnetic tape and indexed for rapid access.

1.2 Station appraisal

1.2.1 Index of stations

The appraisal of gauging stations was a necessary preliminary to the collection and analysis of flood records. It resulted in a comprehensive list of gauging stations with a quality grading. Initial lists of gauging stations were obtained from the Water Resources Board: the *Surface Water Year Book 1964-65* and *Supplement 1965* with 415 stations listed was augmented by duplicated lists dated January 1969 with 819 stations and August 1970 with 962 stations. Besides these stations, some now abandoned, whose quality was acceptable for publication, it was hoped to identify additional stations whose data were not published. Members of the team made enquiries for these stations during their field visits and appeals were also made through the technical press (*Financial Times*, 1 February 1971; *ICE Late News*, April 1971; *Journal of the Institution of Water Engineers*, May 1971). A list of all stations reported by the team is included in the Master List (Chapter 5) and the locations of those used are shown in Figure 1.4.20 in Volume V.

1.2.2 Liaison with gauging authorities

Initial correspondence with gauging authorities outlined the investigation, stressed the need for rainfall and runoff records, and requested that a liaison officer be nominated. Plans were discussed in a series of visits to river authorities in England and Wales and at a combined meeting in Scotland including River Purification Boards, the Department of Agriculture and Fisheries and the Scottish Development Department.

After a co-operative investigation with the Republic of Ireland had been proposed, a series of technical meetings led to common methods of data collection and appraisal.

1.2.3 Gauging station numbering system

Because the investigation was based on individual gauging stations, a brief account is given of the numbering system which follows those of the Water Resources Board and the Irish Office of Public Works; the first digit indicates location:

- 0 Great Britain except Kintyre and Islands;
- 1 Kintyre and Islands off the coast of Great Britain;
- 2 Northern Ireland;
- 3 Republic of Ireland.

The second and third digits indicate the hydrometric areas defined by the Water Resources Board and the Office of Public Works (Figure I.4.20). A numbering system had been adopted for six stations in Northern Ireland before the Water Data Unit of the Ministry of Development had defined hydrometric areas.

Stations in Great Britain from which the Water Resources Board accept data for publication have 0 for the fourth digit; this 0 is replaced by 9 for discontinued stations and by 8 for stations included in this report which were not listed by the Water Resources Board. Some of the 800 series may in future be absorbed into the published lists with different numbers. In the Republic of Ireland this series indicates stations operated by the Electricity Supply Board. The final two digits refer to the individual gauging stations. The numbers may also be presented in the form 4/1 or 67/14.

1.2.4 Station visits

A comprehensive list of gauging stations was produced during the field work including those stations which might be useful in a future study. Although much information on stations was obtained from reports and discussions, a visit to the site was considered essential for an assessment; virtually all the 1150 stations in the United Kingdom were visited. These visits were arranged through the gauging authorities and included, if possible, someone with experience of the operation of the station during flood conditions.

Besides details of each station on a *proforma* (see Table 1.1) notes on the history and special features of the station and catchment, together with photographs and sketches, were compiled to provide a background for detailed discussion on rating, possible bypassing of flood plain flow, and the reliability of the recorder, particularly at flood levels. The flood range behaviour of gauging structures, designed or adapted, is more easily appreciated on site. Historical flood records at or near the site were examined in the light of possible changes in the channel.

Considerable attention was given to the sequence of ratings used during the history of each station in order to optimise the conversion of flood levels to discharge. To provide a timely annual flow record, gauging authorities derive ratings from measurements taken up to the end of each year. For this study it was possible to use measurements taken throughout the period of existence of the station. Where a number of flood rating curves existed, they were compared by superimposition including all the highest measurements. In this way identical curves could be unified, major changes in the station control identified and unauthentic curves rejected, resulting in a condensed sequence of ratings.

A convenient plot of the ratings on standard A4 logarithmic paper (see Figure 1.1) was kept in the station file. Each separate curve was annotated with its dates of currency, and each straight line segment with its equation and limits of range or with paired co-ordinates of stage and discharge. As a guide to the assessment of these curves, the type of station was given and the highest current meter measurements or structure rating limit marked.

gauging station form

VISITED ON	20. 5.70	BY	JVS, RCJ, EVMW
RECORD FROM	3.10.52	TO	2.10.70

AUTHORITY	D.A.F.S.
STREAM	TAY
STATION	BALLATHIE
WRB/IH No.	15/6
AREA km ²	4590
MAX FLOOD/DATE	5.075=1387(12.2.62)
GRID REF.	NO 147367

PHOTOS	<input checked="" type="checkbox"/> YES
--------	---

1 What is measured? **STAGE** YES **FLOW**

2 Bankfull/structure limits H Q **COMMENT**
Above peak level

3 Type of station **RATED SECTION** YES **STRUCTURE** **Structure is:**
Attach sample chart
Is the built-in rating suspect? **Yes** **No**

4 Metering **Information on current metering done. Esp. high flows** Highest measurement 4.512=1047 cumecs
Other highest measurements collected

5 Rating curves Attach copies of recent rating curve/equation + others if applicable

6 Is 100% gauged? **Yes** **No**

7 How are flows beyond highest measurement estimated?
Log log extrapolation
Extrapolation of curve?
Other information on estimation.
Uniform cross-section giving reasonable extrapolation

What is the nature of BYPASSING?
At what level does it begin?
Are flows estimated or measured nearby?
From what date?

Check for key Plans? not available Sections? Cableway

8 Physical limitations of recorder Nil
Munro weekly, 0-24ft Is true graph estimated?

9 Are there variable backwater influences or other controls? No. Channel control throughout

10 Are there other records of levels or flows at or near the site? Prior to charts?
15/3 Caputh 3210 km²
15/7 Pitnacree 1150 km²

Table 1.1

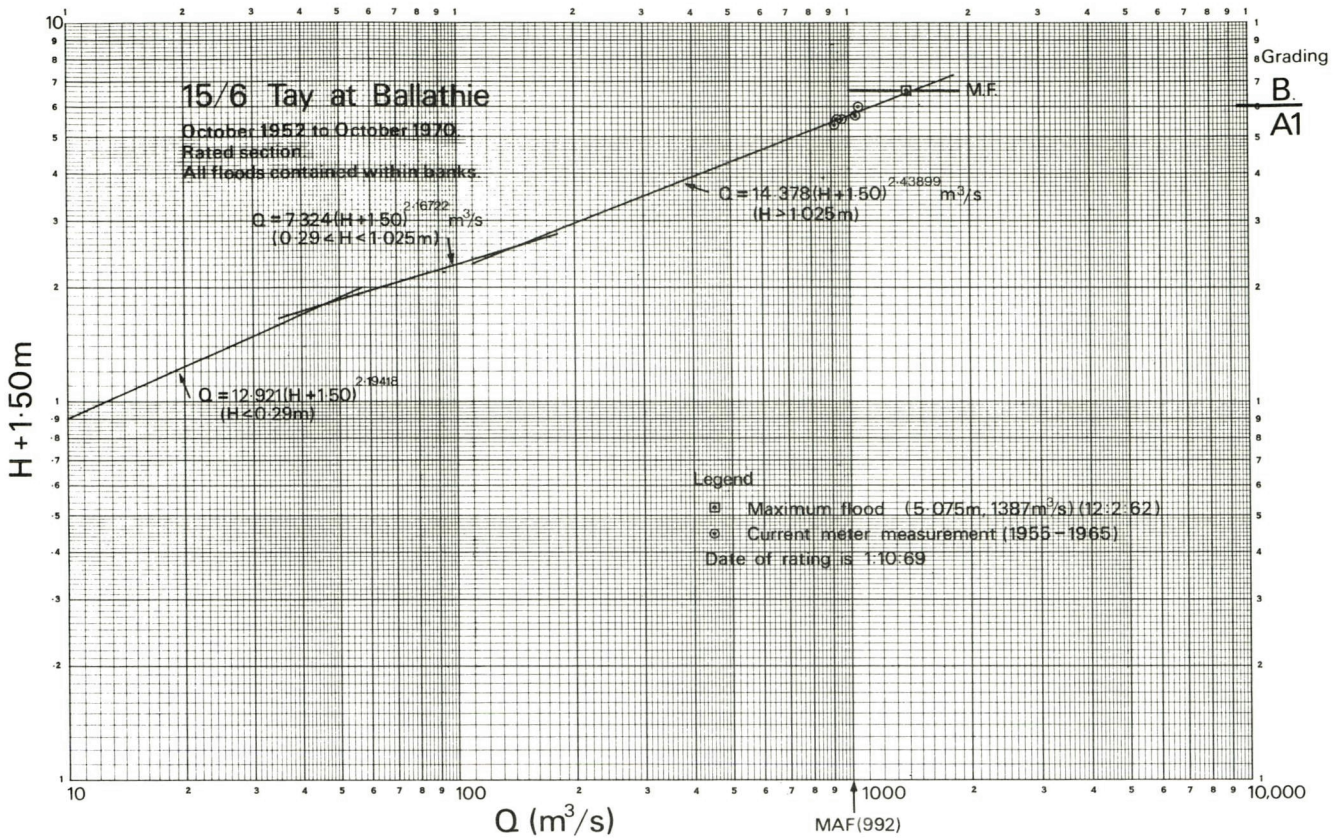


Fig 1.1 Example of rating curve.

Estimates of higher discharges derived from indirect techniques or modelling were indicated in the extrapolated range. Significant levels, such as bankfull stage or structure limit, and the highest recorded flood were included; at a later date the value of the mean annual flood was added.

It had been hoped to revise ratings by such techniques as velocity/area curve extrapolation and Manning formula computations, but insufficient survey data above bankfull level were available and logarithmic extension was usually necessary. Ratings based on indirect measurements or modelling were used where possible.

1.2.5 Station files

Following visits to authorities and stations, a great deal of relevant information was assembled in station files in the Institute of Hydrology. This included information provided by the Water Resources Board and cross-sections of rated stations and technical drawings of structures. Additional information from reports and papers which often covered an authority area rather than an individual station was filed as part of the flood library.

Station grading

An assessment of the quality of a flood record was needed before the analysis proceeded. Appraisal of a number of stations led to a method

which could be applied directly to the condensed rating curve plots. Rating quality was divided into four grades A–D which are compatible between river sections and structures. A implies high quality rating, either by current meter in river sections or by a theoretical equation, modelling or measurement for gauging structures; further subdivision between A1 and A2 separates the excellent and the adequate.

B, C and D grades are progressive departures from the standard A grade. For river sections, the B grade implies a valid extrapolation limited within that part of the cross-section where the channel geometry, roughness and energy slope should be continuous with the upper part of the measured rating. In practice, A and B grades are usually associated with main channel flow and C and D grades include flood plain flow, but A and B grades would apply if there are sufficient measurements on the flood plain. The conditions which would similarly lower the grade of a structure include nonmodular flow and drowning without double gauging, deterioration of the structure and channel accretion. The C and D grades imply undue extrapolation with an unpredictable range of error. The C grade includes flood plain flow up to the width of the main channel; any increase in width beyond this would require the grade D.

Two further grading classes imply rejection of the station from analysis; in general E grade implies rejection on rating standards and Z for other reasons. Reasons for rejection include ratings covering only low flows, totally unsatisfactory ratings, and variable relationships subject to tidal or backwater influence. Some stations only register water level; others were rejected for mechanical defects such as excessive truncation, persistent silting and instrument failings producing an illegible or unreliable trace. The criteria for the various grades at different types of station are shown in Table 1.2.

Grade	River section	Gauging structure	Other structures
A1	Rating well defined by current meter	Rating in modular range and within design limits and specifications	Weir in good condition and rated by current meter or careful modelling
A2	Rating less well defined	Rating in nonmodular range using two recorders	Weir in good condition rated by credible formula
B	Valid extrapolation of a sufficient A grade rating to level where cross-section geometry and flow conditions change	Nonmodular range with one recorder. Extrapolation as for river section	Weir in poor condition. Excessive silting in channel. Weir submerged. Extrapolation as for river section
C	Further extrapolation of B grade rating beyond channel conditions characteristic of base rating. Limited to an increase in width equal to main channel width. Upgrade to B if indirect measurements in this range have been made	Extrapolation of structure rating beyond structure capacity. Limit and upgrading as for river section	As for river section
D	As for C, but width of flood plain greater than width of main channel. Upgrade to C if indirect measurements have been made in this range	As for river section	As for river section
E	Rejection grade—Low flow rating only; rating relationship not unique owing to tidal influence or persistent backwater		
Z	Rejection based on factors other than rating—Levels only, excessive truncation, persistent malfunction of installation, very short record, reservoir discharge, spring flow		

The station grade listed in this report is the grade corresponding to the mean annual flood.

Table 1.2 Criteria for gauging station grades for different types of station.

An index for each station was obtained from this overall grading system by recording the grade at the level of the mean annual flood; this was the index used in selecting stations for analysis. These grades are listed for each station in the Master List (Chapter 5) and in the individual station files.

It was important to adopt a uniform standard of grading as Great Britain was divided between the three sections of the team for the inspection and assessment of stations. The grading system was tested during a joint inspection of selected stations. Subsequent comparison of gradings confirmed that common standards had been used. The system was also extended for use with stations in the Irish Republic to provide a common standard for joint data analysis. Members of the Irish team observed the grading system during visits to the Institute of Hydrology; during a reciprocal visit to Ireland two members of the Institute team visited and graded 45 stations as a basis of comparison.

For each station a short report was written containing information on the station, the rating and the catchment (see Table 1.3). Copies of these reports and the condensed rating curves were sent to gauging authorities for comment before the extracted records were analysed.

15/6 River Tay at Ballathie

Area: 4590 km²

Record: 3.10.52–2.10.70

Type: River section

Category: A1

MAF: 997 cumecs

The station has good hydrometric characteristics—straight reach, fairly uniform channel section, floods well contained in banks. Channel control throughout. Measurements define the rating curve almost to peak level.

It is sited on a low level, mature reach of the river below the main catchment area in the Grampian Mountains. There are two large natural storages, Lochs Rannoch and Tay. Flows are controlled by the Tummel Valley Hydro-Power Scheme; of the total catchment 1900 km² (43.1%) are developed. (With a mean daily flow of 155.6 cumecs this station has a greater recorded flow than any other in Great Britain)

Munro, vertical drum, weekly chart recorder

Scale 0–24 ft from 3.10.52. 0–18 ft from 22.10.62

Horizontal drum from 16.5.65 with scale 0–12 ft

Threshold 10 ft. Time to peak 12 hours

Table 1.3 Example of station report.

A number of stations were rejected when the microfilms were examined in detail during the extraction of data.

1.3 Collection and microfilming of records

1.3.1 Centralised collection

Although the extraction of flood records from the original charts at each gauging authority had been considered, the initial visits demonstrated the magnitude and variety of chart collections and it was decided to collect and microfilm all charts. An effective checking system with reference back to difficult interpretations and the need for hydrograph analysis of detailed records of selected floods pointed to central data extraction. This decision meant that all charts would have to be collected and microfilmed for storage in the Floods Team office. This implied the total use of analogue charts which have considerable advantages in the detailed examination of flood records. The alternative digital recorders were introduced on many,

but not all, stations during the early 1960s, but were always accompanied by a chart recorder.

The conditions for the collection and microfilming of records were as follows:

- a* Discontinued stations should have at least 5 years of record.
- b* The final date of record collection was 30 September 1969 (30 September 1970 in Scotland) and short records were collected in anticipation of future filming.
- c* Gauging stations at reservoirs were required to have continuous recorders of storage as well as outflow, together with a measure of any catchwater inflow (nearly all these sites were eliminated).
- d* Flow records from springs were not required.
- e* Continuous recorder charts were considered essential but daily readings were also collected for certain long term stations on large catchments.
- f* A valid rating was required to accompany the records. In a very few instances, like the Thames at Teddington, where the rating was extremely complex, only the computed discharges were collected.

1.3.2 Microfilming

Some earlier microfilming had been carried out by Nash between 1956 and 1959 for his unit hydrograph study at the Hydraulics Research Station and also by a few river authorities including the Northumbrian, Trent and Mersey & Weaver River Authorities; these were absorbed into the overall collection.

The Duplicating Division of HMSO at Basildon were approached with the support of the Water Resources Board, and agreed to accept batches of charts and provide 35 mm film and two extra copies. River authorities and other organisations were asked to prepare charts in correct time sequence and in flattened packages subdivided yearly and in batches of 11 years for a single film; notes were interpolated where gaps occurred or when explanations were required. Where two recorders were required for a pair of sites, or to provide downstream or pressure tapping levels for drowned conditions, paired charts were photographed one above the other for ease of extraction. Collection and delivery of charts was arranged to allow a final check on the continuity of the charts.

Few gauging stations of the standard required for analysis were found outside the generally recognised organisations comprising the River Authorities and River Purification Boards, the water undertakings and the specialised Hydroelectric and Inland Waterways Boards. A number of universities and research organisations (Institute of Hydrology, Nature Conservancy, Transport and Road Research Laboratory) provided records. Valuable contributions were offered by Professor P. O. Wolf of the City University, the custodian of Captain W. N. McClean's collection of early hydrometric records (River Flow Records), and by commercial organisations like the British Aluminium Company who have operated a station near Ben Nevis since 1938 and Glenfield and Kennedy Ltd who have used one of their own instruments to record the flow of the Irvine from 1912.

In certain cases with long records, ledger pages of daily river levels were microfilmed; a few of these stations were later converted to recorder stations so that the continuous record was usefully extended in time.

Between April 1970 and September 1971 charts from 916 stations

covering 9522 station years of record (half a million weekly charts) were assembled, microfilmed and returned to 40 river authorities and many water undertakings. The distribution of these raw data by river authority areas is given in Table 1.4 and the lengths of record are illustrated in Figure 1.2.

Area	Stations	Station years
North of Scotland	30	314
Banff, Moray and Nairn	21	339
Dee and Don	6	165
Tay	17	311
Forth	6	73
Lothians	19	146
Tweed	22	239
Solway	15	157
Ayrshire	5	103
Clyde	31	308
Northumbrian	40	446
Yorkshire	45	603
Trent	51	574
Lincolnshire	11	62
Welland and Nene	24	403
Great Ouse	41	301
East Suffolk and Norfolk	23	160
Essex	43	337
Lee	19	266
Thames	42	308
Kent	29	189
Sussex	23	155
Hampshire	7	89
Avon and Dorset	13	59
Devon	36	306
Cornwall	19	191
Somerset	18	115
Bristol Avon	12	146
Severn	37	450
Wye	26	454
Usk	6	44
Glamorgan	13	65
South West Wales	16	94
Gwynedd	10	43
Dee and Clwyd	23	233
Mersey and Weaver	27	474
Lancashire	43	307
Cumberland	16	98
Isle of Wight	2	21
Greater London Council	25	330
Northern Ireland	4	44
Totals	916	9522

Table 1.4 Distribution of microfilmed records by river authority areas.

1.3.3 Water Resources Board tapes

To supplement the chart collection, a set of records of mean daily discharges was obtained from the Water Resources Board. Their availability is noted in the Master List (Chapter 5) by the water years of these records. These records provided a graphical summary for selection of flood events for detailed analysis. They also provided the source material for studying flood volumes of one or more days' duration.

To provide a graphical display, a program was developed to process the punched paper tape and to produce for each station year the annual hydrograph on microfilm and hard copy and also a table of mean daily

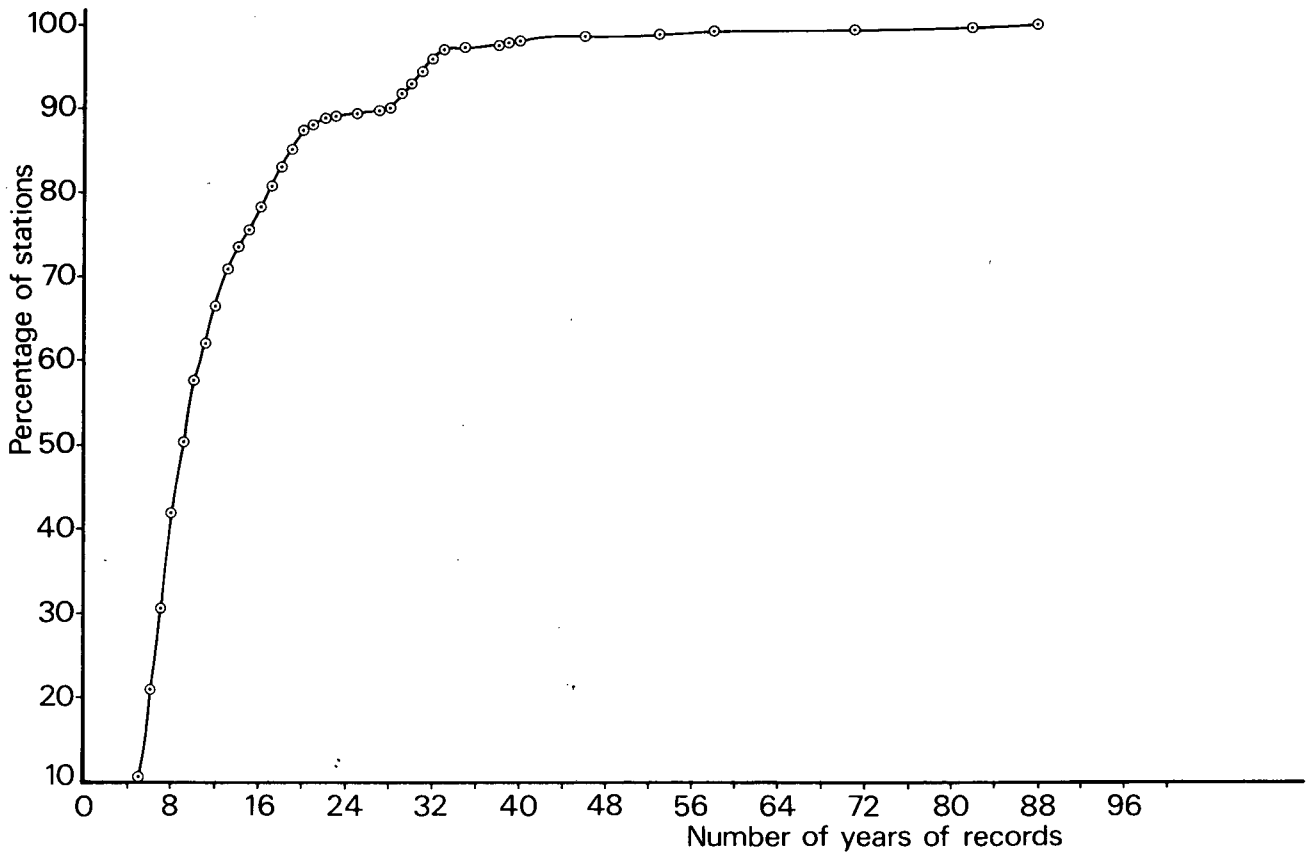


Fig. 1.2 Lengths of flow records. 430 stations graded A-D with 5 or more years of record.

flows with a note of the annual maximum. Copies of this microfilm were sent to gauging authorities; 4700 station years of record from 508 stations are available in the Institute of Hydrology. The recorded flows as edited from the original tapes are stored on magnetic tape and in individual station punched paper tape records.

Since these mean daily flows were derived from contemporary ratings, while the instantaneous flood peaks were derived from adjusted ratings, the two sets of records are not always directly comparable.

1.3.4 Historical data

A small but telling proportion of the flow data obtained from gauging stations was a collection of events which occurred before the establishment of the station. The need to relate this information to a later continuous record in analysis inhibited the collection of a more extensive set of historical records at isolated points. In spite of this limitation, some information was obtained at 55 stations; although only one or two floods have been listed at most of these stations, the information usefully extends the probability range of the flood frequency curves of stations and regions (Volume I, Chapter 2).

An annotated list of this historical information arranged by hydro-metric area and station is included in this volume (Chapter 4). Most records were obtained through river authorities but research by consulting engineers to help solve a local problem has provided valuable additions.

The quality cannot be expected to equal that from gauging stations, because in most cases the levels have been converted to discharge by modern ratings which may not reflect contemporary conditions. Some lengthy sets of records, which cannot be converted to discharge or whose ratings are tenuous, have been included because important widespread floods may be identified by ranking the data. Short records from neighbouring gauging stations may then be related qualitatively.

In a specific design case there would often be time and opportunity for detailed collection and analysis of historical information which was not possible in a countrywide study of this nature. Although the information published here may be incomplete, it has been incorporated into the regional and countrywide flood frequency curves and is important in the range of large floods.

1.3.5 Recording raingauge records

Before this study, autographic rainfall records were not collected centrally on a national basis. Copies of charts for intense storms are sent on a routine basis to the Meteorological Office (Met. 0.8) to be added to the 'unusual rainfall' files, but apart from a selection of the Meteorological Office's own (mainly airfield) stations, whose hourly rainfall is tabulated, there were no continuous records available in a central archive. In collaboration with the Meteorological Office a list of gauges was prepared and a questionnaire survey of the operators revealed the extent and

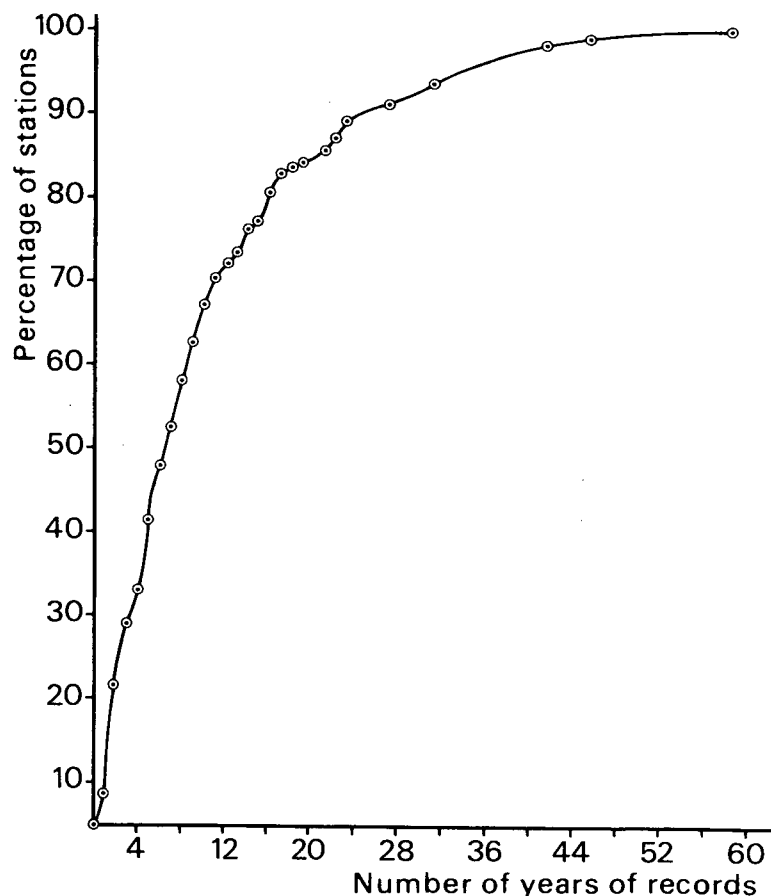


Fig 1.3 Lengths of records of autographic raingauges.

availability of records. In many cases operators were glad of interest being shown in data collected over the years; some had adopted the habit of destroying all charts over a month or a year old. The Institute of Hydrology undertook collection and microfilming of all records for those stations on or near catchments chosen for unit hydrograph analysis, together with stations with over 20 years of record for use in the Meteorological Office flood study. Filming by flow camera onto 16 mm film produced two negatives, each of which was further copied to give four films in all. One copy was retained by the Institute of Hydrology, one by the Meteorological Office Floods Study Team, one by Meteorological Office archives and one was available for the operator of the gauge. During the present study microfilming of rainfall charts was suspended because the Meteorological Office was considering a higher quality filming schedule so that the resulting film could be scanned automatically. The number of years of record at recording raingauges is illustrated in Figure 1.3.

The extraction of data from these charts for unit hydrograph and loss studies is described in Section 3.2.

2 Data used in statistical analysis

2.1 Extraction of data from charts

2.1.1 Organisation

The microfilm archive of half a million charts required a small team to extract the data needed in statistical analyses. Six assistants were employed for seven months to read off the necessary data from the microfilm, enter them on coding sheets and try to eliminate gaps and interpret trace anomalies. A computer printout was then checked against the film by hydrologists. Experience led to a set of rules to ensure uniform reliability of the final data.

2.1.2 Types of data

The types of instantaneous flood data extracted were the annual maxima (AM), peaks over a threshold (POT) and monthly maxima (MM). The first two were extracted together from stations with 5 or more years of record and grades of A, B, C, and D. Monthly maxima were taken from stations with lower grades, including certain stations with mean daily discharges (MDD) or levels only.

Data were entered directly onto coding sheets for processing from a deck of punched cards. Additional information included station identification, chart units, comments on the data and the rating relationship. The water year from 1 October to 30 September was adopted throughout, as was the conventional day from 9 am to 9 am (thrown back).

It was found convenient to extract the monthly maxima before the peaks over a threshold as their listing helped in selecting the threshold for the second pass through the microfilm. The date and value of each month's maximum level or discharge was noted for each month of record. Where a gap made it impossible to identify the maximum, a code replaced the missing value. The monthly maximum was not necessarily an instantaneous flood peak but could occur on a falling or rising limb at the beginning or end of the month.

The second type of data, peaks over a threshold, comprised a series of independent instantaneous flood peaks such that over the period of record an average of about five a year was listed. In order to include the annual maximum series, whenever in any one year no flood peak exceeded the nominated threshold the single maximum peak was inserted in the record with a note. The threshold was determined on a trial and error basis; it was found convenient to start with a well defined chart level slightly lower than the final threshold, and eliminate unwanted lower values from the coding sheet.

2.1.3 Independence

In order to approach an independent series of peaks over a threshold, arbitrary yet consistent rules for independence were used to ensure that adjacent flood events should be sufficiently separated in time and discharge in terms of the typical response at the station. The rules had to be straightforward and direct and therefore derived from the shape of the flood trace on the chart.

When two or more peaks occurred close together in time, the highest

was considered independent while the others were considered independent of the highest and of each other only if the two following rules were both satisfied:

a The minimum discharge in the trough between two peaks must be less than two thirds of the earlier peak value;

b the two peaks must be separated by at least three times the average time to rise to a peak. This average time was defined as the mean of the times from five clean typical flood hydrographs in the record.

These rules implied reference to a rating table or curve but were normally simple to apply.

These independence rules were more difficult to apply to certain 'unresponsive' catchments, such as chalk or lake-fed catchments, whose flows rise and fall extremely slowly and in some cases seasonally. In such instances, annual maximum peaks were recorded rather than peaks over a threshold.

2.1.4 Problems in interpretation of hydrographs

Some initial difficulty was caused by the variety of types of chart units and systems of annotation to be found in this large collection. Charts were rectangular, round or in continuous strips; some recorders have a reversal device; the time base was normally one week but many charts had several weeks superimposed, sometimes with different colours of ink. Traces were drawn in by pen and pencil or by stylus on waxed and metallised charts; most were legible but some were affected by undamped stilling wells. The stage units encountered included feet and inches, feet and decimals, inches, and metres, either as AOD or as a gauge height. Discharges were measured in a wide variety of units.

A problem frequently encountered was that of truncation. Limitations imposed either by the chart capacity or by the installation design prevented the trace following the peak water levels so that a horizontal line appeared connecting the rising and falling limbs of the flood hydrograph at the level of this restriction. This fault was characteristic of many direct flow measuring structures and the use of several stations had to be abandoned on this account. Where the number and durations of truncations were limited, and the peaks below the truncation had a common shape, estimates were made of the truncated peaks. In rare instances operators had recorded the levels of certain higher peaks from debris marks. In some cases corrections between the true water level and the trace were noted meticulously; in other cases the gauge readings at the beginning and end of the chart record were entered regularly, haphazardly or not at all. Other corrections were occasionally recorded; for instance for the incorrect placing of the chart on the drum, for the attenuation by a silted intake, for a variable chart datum and for the drawdown in the stilling well due to high velocities across the intake pipe opening.

A large number of minor problems of interpretation were referred to experienced hydrological staff at least in the early stages. In many cases help came from annotations by operators on the charts when abnormal traces occurred, for example when a float wire slipped out of its pulley groove on several occasions. In addition, station files with reports of unusual features and artificial controls within the catchment were useful in interpreting anomalies. Blips and regular sharp peaks were recognised as the result of the operation of pumps or the opening and closing of gates.

Tidal peaks were easily recognised; backwater peaks from downstream tributaries were more difficult to identify.

2.1.5 Correction codes

Certain faults and corrections occurred frequently and codes were used to annotate the modified peak extracted from the chart. These are given below:

Code	Fault or correction
1	Significant difference between chart level and true gauge height as indicated at beginning and end of chart
2	Correction on chart by gauging authority for unspecified reason
3	Siltation of float well intake resulting in damped hydrograph
4	Chart limit exceeded by water level resulting in truncated peak
5	Faulty trace corrected from quoted level of flood debris
6	Level fluctuations caused by artificial controls ignored
7	False chart reading due to freezing conditions resulting in ice pile-up or float seizure
8	Missing or illegible record replaced by estimate from gauge board or other recorder
9	Faulty recorder operation. The two most common faults are a stopped clock which may give the correct level but not the time, and a jammed pen arm which does not give the true level but indicates the time

Other corrections were followed by a written comment.

2.1.6 Gaps

Inevitably gaps of varying length occurred in the sequence as charts were lost or the recorder failed to operate. In each case an attempt was made to eliminate the break either by obtaining flow figures from other sources or, failing this, by establishing that a flood could not have occurred. If direct evidence could not be obtained from the *Surface Water Year Book*, from punched tape records or from flood lists compiled by gauging authorities, then relative estimates might be derived from adjacent river gauges or rainfall stations. It was possible to ignore some of the shorter gaps when it was reasonably certain that no flood could have occurred, as when the gap was part of a continuous recession curve or when the gap was too short for a typical flood to reach the threshold.

When a flood could have occurred in a gap, the dates were noted in the records lists in this volume and in the analysis. If it were also possible that the annual maximum had occurred in such a gap, this was noted in the records and the water year was withdrawn from the analysis of annual maxima.

2.1.7 Rating

The records on the coding sheets included station number, name and grid reference; dates of record and of gaps; type of record (POT, AM or MM) and

the threshold for the POT series; the code for chart units and the dates and chart readings.

Processing and analysis of flood records required the addition of rating information. Charts might be calibrated in flows or rating information could be inserted by equations or by pairs of points. Where discharges were entered as data their units were given followed by the conversion factor to cumecs. In a few cases a form of rating equation was used to convert chart flow readings to a revised calibration.

Ratings were frequently available as equations in the form $Q = A(H-B)^C$ or specifically $Q = 12.921 (H + 1.50)^{2.19418}$ from $H = 0.10$ to 0.29 . A series of equations could be entered in metric form using the three coefficients and the limits of the individual equations. An alternative form of rating used comprised the series of co-ordinates, level and discharge, of the common points of intersecting straight lines formed by plotting the rating curves on logarithmic paper. This rating is defined by the value of the chart datum followed by the paired co-ordinates. Changes of rating could be made at appropriate dates.

2.1.8 Reservoir stations

The flood records for small upland catchments given in the 1933 and 1960 ICE Reports on *Floods in Relation to Reservoir Practice* include many discharges from reservoirs; this report includes a vestigial three. In order to maintain an accuracy comparable with a river gauging station, it was thought necessary to have

- a a continuous record of outflow including compensation water, flood spill and discharges and drawoff quantities;
- b a continuous record of storage level with an adequate stage/area relationship to determine the rate of inflow;
- c records of any catchwaters.

The number of stations is much reduced because it was found that at most locations reservoir levels were only recorded daily or the recorder began to operate only when the level reached the spillway; in either case, a peak inflow could not be determined reliably.

The three reservoir stations which have provided data for analysis are:
54/3 Vyrnwy at Vyrnwy Reservoir 1927–67. Annual maximum discharges provided by Liverpool Corporation Water Department
27/852 Little Don at Langsett Reservoir 1911–32. Annual maxima provided by Sheffield Corporation Waterworks
24/801 Burnhope Burn at Burnhope Reservoir 1950–70. Durham County Water Board. Peaks over a threshold series derived and computed by Floods Team.

The grading of these stations is low compared with river gauging stations. It is difficult to eliminate inaccuracies where separate components have to be measured and synchronised and where errors in determining the change of storage may be large.

The method of flood extraction for Burnhope Reservoir, for example, was as follows. The records comprised daily and weekly tables of compensation weir flow, supply offtakes and daily reservoir levels (also available in annual graphs), weekly charts giving reservoir levels and over-flow weir levels, downstream compensation weir levels and flows of two catchwaters flowing into the reservoir from neighbouring catchments,

together with a rating table for the compensation weir and a reservoir level/capacity table.

Dates of possible floods were noted from the summary tables giving either high outflows or large changes in reservoir level. In the first case simultaneous records of compensation outflow and catchwater inflow were extracted and corrected for changes in storage and water supply offtake to give an inflow hydrograph for the natural catchment, and in the second case inflows deduced from the extracted reservoir levels were corrected from the flow records. The extraction and computation were lengthy, and resulted in a reasonably complete partial duration series whose reliability must be limited by the accuracy of measured reservoir level changes and by timing problems. If a reasonable number of flood inflow records are to be obtained in future, it is essential that continuous records of reservoir levels as well as outflows should be collected, preferably in punched tape form for ease of calculation.

2.1.9 Irish data

Included in the flood data in this volume are a number of peaks over a threshold series from the Irish Republic. These data have been assembled by members of the Irish Floods Team of the Office of Public Works in Dublin from stations in their own network and from nine stations operated by the Electricity Supply Board. The criteria and grading system and methods of extraction were identical to those already described; joint meetings and reciprocal field visits were undertaken to ensure uniformity. Because the Irish records were of reasonable length, the extraction of monthly maxima for the extension of short records was not required. 112 stations are listed having 1690 station years of records.

2.2 Checking procedures

2.2.1 Sequence of checks

Between the completion of the coding sheet and the input of flow data to the analytical programs was interposed a lengthy and complex set of procedures to convert, check and process the basic data. Once the basic data had been converted to punched cards, visual and programmed checks were carried out to ensure the validity and internal consistency of the data. After the punched cards had passed an error checking program for internal consistency, a printout was checked visually against the microfilm and after amendment the cards were again run through the checking program. When the printout was accepted at each stage, a colour stripe was added to the card deck to ensure identification.

2.2.2 Card checking program

It was necessary to check the internal consistency of the data, for example whether information was entered into the correct column of the cards, whether the cards were in the correct order and whether the dates and levels were consistent. Such errors would have caused the flow processing program which followed to halt in execution. The checking program was

long and slow because it was important that every error should be anticipated and noted. Amendments could then be made to the cards and the deck rerun. A full list of the errors checked would be lengthy, but virtually every item was tested to ensure that the data contained was of the correct type or tallied with preceding or following data. Although the program could not check the validity of the microfilm extraction, it provided information which sometimes pointed to such errors; for instance, comparison of the minimum peak recorded and the threshold discharge often indicated errors in the rating interpretation.

2.2.3 Microfilm check

When the amendments resulting from the warning and error messages of the card checking program had been made, the clean output listing was checked against the original microfilm. This was a vital stage in the provision of reliable data because the initial coding sheets were compiled by assistants who were trained and supervised by hydrologists but were without hydrological experience. It was essential that these data should be scrutinised not only for accuracy but more importantly for correct interpretation of the chart trace where some direct experience in hydrometry is desirable. Other aspects of the extraction were checked, such as the form of the rating and changes during the record, corrections for datum changes or adjustment of the pen setting and the application of the independence rules. By delaying their intervention until the routine data extraction and the programmed error check presented a coherent presentation of the record, economic use of specialist staff was achieved.

2.3 Flow processing

2.3.1 Conversion to discharge

After the POT data had been checked, the flow processing program converted the data into discharge and provided outputs appropriate to each analytical program and to ultimate publication. The monthly maximum data, extracted and coded in a similar manner to the POT series, followed the same card checking and flow processing programs; since they were required only for extension and not for publication, only two output streams were required.

The five output streams for the POT data comprised a temporary internal file (PTLP); a river authority output (PTRA) to provide gauging authorities with lists of dates, original and metric levels and discharges of independent floods for checking; an annual maximum series (ANNMX), a list for analysis only giving the year and annual maximum discharge together with information on partial and missing years; a partial duration series (PARD), a list for analysis with the dates and discharges of the POT series including the threshold discharge and the dates of record and of any gaps; an archive type file (PTARC), a comprehensive list of all data for future analysis and subsequent application which closely followed the original coding sheet including comments and ratings and also provided metric levels and discharges for both dependent and independent peaks. This last file is the source from which the data in this volume (Chapter 6) are derived.

The monthly maxima were provided in two output streams: a temporary internal file (MMLP) which contained station details, rating and comments and listed the dates, levels and flows of each monthly maximum; a monthly maximum series which included station number, name and grid reference, the first and last month and year of record, and the consecutive monthly maximum discharges with – 1 inserted for missing data. This file was retained within the computer system for use in data extension (Volume I, Chapter 3).

2.3.2 *Discharge checks*

Because the checks preceding the processing program related to the rating and river levels separately, further checks were carried out on the computed flows. A sample test of the POT flow data was based on comparison with the *Surface Water Year Book 1965–66*. Small variations were expected but certain discrepancies were found to result from errors in rating or chart datum, for example. When the necessary amendments had been made and the data reprocessed, copies of the PTR stream for all stations were sent to the appropriate gauging authority with the request that ‘. . . as these flows form the basis of our flood magnitude–frequency studies and subsequent comparison of floods with catchment characteristics, we are anxious to use as accurate a record as possible. We should be most grateful if you would please let us know if there are any major discrepancies between these figures and your estimates of these floods . . .’. The response indicated that the scrutiny was carried out conscientiously and where errors were agreed adjustments were made. At the same time the authorities were able to eliminate many of the listed gaps from their detailed knowledge.

The monthly maximum data running in parallel with the POT data had a less detailed check. The direct check against the original microfilm and the check by the gauging authorities were omitted but were used indirectly by comparing the maximum in each month from the finally accepted POT listing against the corresponding figure in the monthly maximum listing. Ticks and crosses showed agreements and disagreements which were resolved if necessary by reference to the microfilm. Any remaining unticked monthly maxima above the POT threshold were also investigated as these values should have appeared in the POT listing unless they occurred on a rising or falling limb at the end or the beginning of a month. As nearly all the highest monthly maxima were checked in this process, the results were accepted for data extension.

2.3.3 *Final filing*

During the various production phases, both series of data underwent continual updating and thus were listed and filed in almost random order. With the data in its final form, filing was reorganised into 10 regional files plus one file for stations in Ireland.

2.3.4 *Continued appraisal*

Although in general the acceptance of a gauging station for analysis was based on the grading during the early appraisal stage, a number were

Data used in statistical analysis

rejected during or after extraction of records. Detailed scrutiny of some records from the microfilm revealed that excessive gaps, frequent truncations or poor traces made it impossible to list the floods with the required continuity and accuracy. With other stations it was realised that the rating was inadequate, perhaps due to backwater or submergence, or simply that a superior record was available at an adjacent station. In all, about 30 stations were rejected, some were downgraded and some provided satisfactory records only of annual maxima.

3 Data used in unit hydrograph analysis

3.1 Flow data assembly for unit hydrograph and loss studies

For unit hydrograph and loss analyses it was decided to select about 150 catchments, and from these an average of about 10 high flow events. The flow hydrograph would be determined, daily and autographic records of rainfall extracted, and soil moisture deficits obtained. Of the 1150 gauging stations in the United Kingdom which had been visited and assessed by members of the team, those which were selected for the study of particular events had to satisfy four main criteria:

- 1 There should be one or more autographic raingauges on or reasonably close to the catchment. In practice, catchments bracketed by two or more recorders off the catchment have been accepted.
- 2 The flow station should be category A (exceptionally B) in the Floods Team classification (Chapter 1).
- 3 The catchment area should usually be less than 500 km² (193 miles²). The assumptions made in unit hydrograph derivation, particularly spatial uniformity of rainfall, impose some limit on the size of catchment which can be considered. In some situations 500 km² is too large and, in others, much larger catchments could safely be studied.
- 4 There should be evidence of a typical short term response to heavy rainfall. In practice this means that catchments underlain almost entirely by highly permeable rock such as chalk or oolitic limestone without a drift cover have not been studied. They can produce severe flooding in unusual circumstances—snowmelt when the ground is temporarily impermeable, in March 1947 for example—but there are insufficient data available for this to be investigated quantitatively.

Nearly 200 stations satisfied these criteria but, as several had very short lengths of record or were densely clustered, the final selection comprised the stations shown in Figure 3.1. A further few stations were discarded during analysis if flow or rainfall information was found to be consistently difficult to analyse.

Selection of events

Over 1500 events were selected, an average of more than 10 per catchment. However, there was a large range of events per catchment caused by the need to ensure coincidence between autographic raingauge and streamflow records; 29 events were analysed for the Eden (Kent) at Vexour Bridge while only one event was analysed for the Eden (Cumberland) at Temple Sowerby (an extreme event on a large catchment).

The main factor in the choice of an event was its peak discharge. A flow exceeded three or four times a year was normally chosen as a preliminary threshold. Annual histograms of mean daily flows had been produced for stations whose records are processed by the Water Resources Board and these were used for preliminary identification of events. Subsequently, the event was defined more precisely by annotation of a copy made from the microfilms of the original stage record. The resulting sample of events is therefore one which includes the most severe floods on record, from about half mean annual flood level upwards, except where storm rainfall data were not available. Thus, in the four catchments which were also used by Nash (1960), most of the present events have greater peak flows. The average peak flow is 95% of the mean annual flood.

- 19/1 ALMOND of CRAIGIE HALL
- 19/2 ALMOND of ALMOND WEIR
- 19/5 ALMOND of ALMONDELL
- 20/1 TYNE of EAST LINTON
- 21/2 TYNE of TYNE FORD
- 21/7 ETTRICK of BROCKHOPE
- 22/2 DERWENT of EDOPS BRIDGE
- 23/5 NORTH TYNE of TARSET
- 24/3 WEAR of STANHOPE
- 24/5 BROWNIE of BURN HALL
- 24/7 BROWNIE of LANCHESTER
- 25/2 TROUT BECK of MOORHOUSE
- 25/4 SKERNE of SOUTH PARK
- 25/8/10 SIRE WEIR of MOORHOUSE
- 27/1 NIDD of HUNSCINGORE
- 27/10 HODGE BECK of BRANSDALE
- 27/16 KOTHER of WHITTINGTON
- 27/27 WHARFE of ICKLEY
- 27/24 URE of KILGRAM BRIDGE
- 28/2 BLITHE of HAMSTALL RIDWARE
- 28/16 RYTON of SERBY
- 28/23 WYE of ASHFORD
- 28/26 ANKER of POLESWORTH
- 28/23 DOVE of HOLLINGSCLOUGH
- 28/8/1 BURBAGE BROOK of BURBAGE
- 28/8/2 MAULN of MANSFIELD
- 29/1 WATTHE BECK of BRIGSLEY
- 29/3 LUDD of LOUH
- 30/1 WITHAM of CLAYFOLLE MILL
- 31/6 GWASH of BELMESTHORPE
- 31/8/1 FLORE RESEARCH CATCHMENT (R.R.L.)
- 32/14 LARE of TEMPLE WEIR
- 32/15 OZZEL of WILLEN WEIR
- 32/24 CAM of DERNFORD
- 32/29 STRINGSIDE of WHITE BRIDGE
- 32/45 WITLIE of QUIDENHAM
- 32/8/9 BURY BROOK of BURY WEIR
- 34/7 BURE of INGWORTH
- 34/5 TUD of COSTESLEY PARK
- 34/7 DOVE of CAULKLEY PARK
- 34/11 WENSUM of FARENHAM
- 35/4 ORE of BEVERSHAM BRIDGE
- 35/8 CIPPING of STOWMARKET
- 36/8 STOUR of WEST MILL
- 37/1 RODDING of REDBRIDGE
- 37/3 TER of CRABBS MILL
- 37/7 WID of WHITLIE
- 37/8 CHELMER of SPRINGFIELD
- 37/8/7 CROUCH of WICKFORD
- 38/2 MIMHAM of FANSHANGER
- 38/7 CANNONS BROOK of HARLOW
- 38/4 WANDLE of BEDDINGTON
- 38/5 BEVERLEY BROOK of WIMBLEDON
- 38/7 HOGSMILL of KINGSTON
- 38/17 RAT of GRENDDY UNDERWOOD
- 39/22 LODDON of SHEEPBRIDGE
- 39/25 ENBORON of BRIMPTON
- 39/26 CHERWELL of BANBURY
- 39/8/3 MOLE of FRIED WEIR
- 39/8/4 CRAWTERS of HAZELWICK
- 39/8/20 DOLLIS BROOK of HENDON LANE
- 39/8/30 BECK of RECTORY ROAD
- 39/8/31 CHAFFINCH of BECKENHAM
- 39/8/32 BOURNE of HADON
- 40/7 MEDWAY of COLLIER'S LAND BRIDGE
- 40/8 STOUR of WYE
- 40/9 TEISE of STONE BRIDGE
- 40/10 EDEN of VEXOUR BRIDGE
- 41/5 OUSE of GOLD BRIDGE
- 41/6 UCK of ISFIELD
- 41/7 ABRUN of FARM AROUND
- 41/8/1 HOLLINGTON of HOLLINGTON
- 41/8/11 CHESH STREAK of CHESH BRIDGE
- 42/2 EYE of STOODLEIGH
- 43/3 CULM of WOODMILL
- 43/4 AYE of WHITFORD
- 45/8/4 BARLE of BRUSHFORD
- 45/8/5 EYE of FRIXTON
- 46/3 DART of AUSTINS BRIDGE
- 46/5 EAST DART of BELLEVER
- 46/8/2 SWINCOCOME of BINKS
- 46/8/5 BALA BROOK of RESERVOIR
- 47/7 YELM of PUSLING
- 48/2 FOWEY of RESTORMEL
- 48/3 DE LANK of DE LANK
- 52/4 ISLE of ASHFORD MILL
- 52/5 TONE of RISHOPS HULL
- 52/6 YEO of PEN MILL
- 52/10 BRUE of LOVINGTON
- 52/8/5 GALLICA BROOK of RHYME INTRINSICA
- 53/5 MIDFORD of MIDFORD
- 53/7 FEME of TELSFORD
- 53/8 AVON of GREAT SOMERFORD
- 53/9 WELLOW of WELLOW
- 54/4 SOWE of STONELEIGH
- 54/6 STOUR of KIDDERMINSTER
- 54/7 ARROW of BROM
- 54/10 STOUR of ALSCOT PARK
- 54/11 SALWARPE of HARFORD
- 54/16 RODEN of RINDINGTON
- 54/19 AVON of STARETON
- 54/20 PERRY of YEATON
- 54/22 SEVERN of PYNLIMON
- 55/8 WYE of CEFN BRWYN
- 56/3 HONDDU of FORGE BRECON
- 56/5 AFON LLWYD of PONTNHR
- 56/6 USK of TRALLONG
- 57/4 CYNON of ABERCYNON
- 57/5 TAF of PONTFRIDG
- 58/1 OGMORE of BRIDGEND
- 58/2 NEATH of RESOLVEN
- 58/3 EWENNY of EWENNY PRIORY
- 60/2 COIHI of FELIN MYNACHDY
- 60/7 TOWY of DOLAU HIRION
- 61/1 WESTERN CLEDDAU of PRENDERGAST MILL
- 61/4 DOVEY of DOVEY
- 62/1 OLASLYN of BEDDELEERT
- 62/1 CONWAY of CWM LLANBARCH
- 62/2 ELWY of PONT YR ONEN
- 62/5 CEIRIDG of BRYNKINALLT
- 62/8 AYST of PONT Y CAEL
- 62/10 GELYN of CYNEFALL
- 68/6 DANE of HULME WALFIELD
- 68/8/2 SANDERSON of SANDBACH (R.R.L.)
- 69/8 DEAN of STANNISLANDS
- 69/11 MICKER BROOK of CREADLE
- 71/3 CROSSDALE BECK of CROSSDALE FLUME
- 71/8/2 RIBBLE of HALTON WEST
- 71/8/4 DUNSOP of FOOTHOLME
- 72/2 WYRE of ST MICHAELS
- 73/8/4 BRATHAY of BRATHAY HALL
- 74/1 DUDDON of DUDDON HALL
- 76/5 EDEN of TEMPLE SOWERBY
- 76/8 IRTHING of GREENHOLME
- 76/1 COAL BURN of COALBURN
- 77/11 ESK of CANNONIE
- 83/2 GARNOCK of DALTY
- 84/2 CALDER of MURSHIEL
- 84/8 COTTEN CALDER of RED LEES
- 84/12 WHITE CART of HAWKHEAD
- 84/16 LUGGIE of CONDORRAI
- 85/2 ENDRICK of CAIDREW
- 85/8/1 NANT PERIS of TAN-YR-ALLT

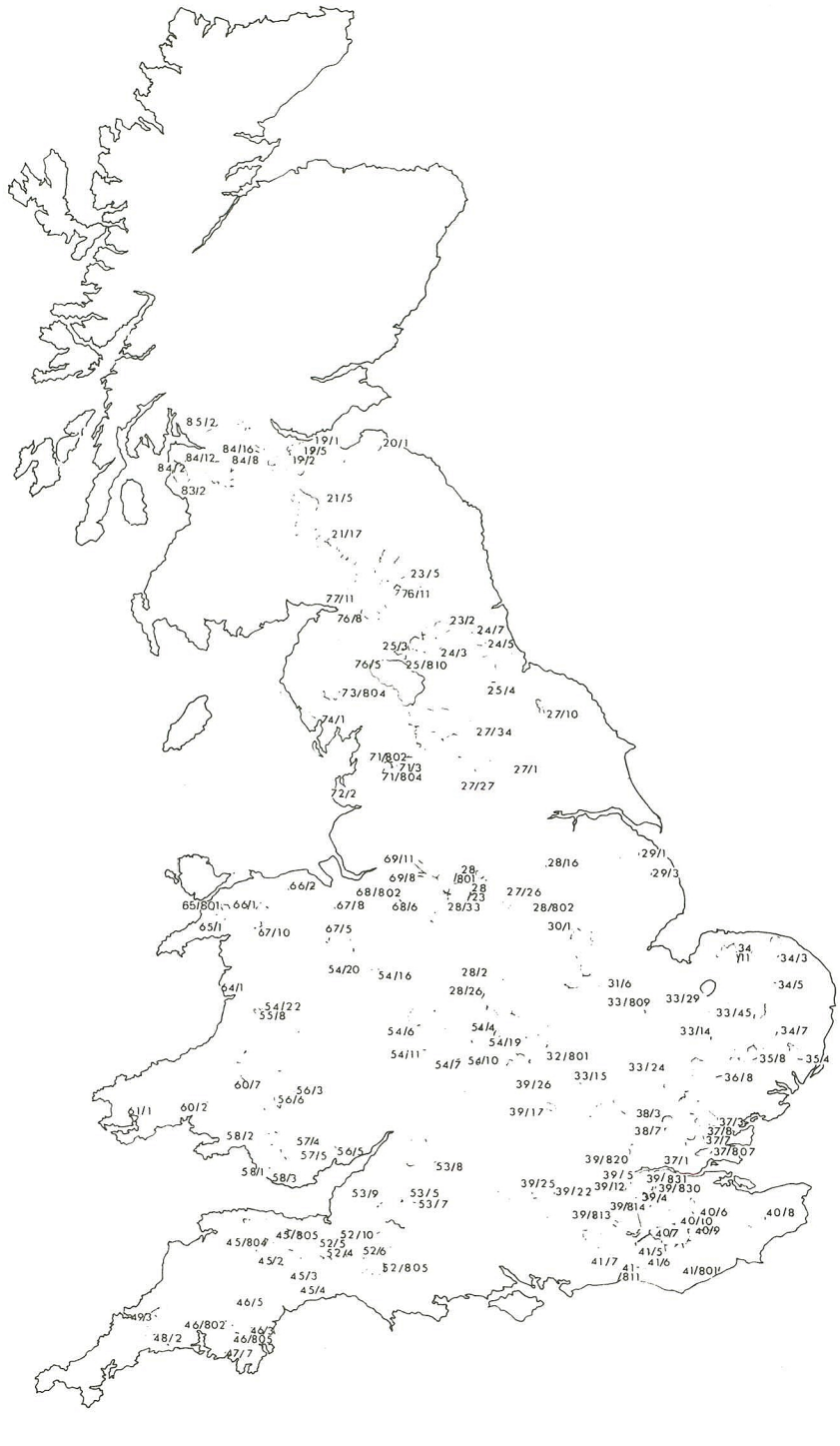


Fig 3.1 Catchments selected for response studies.

Sufficient recession before and after the event was included so that various procedures for analysing isolated events could be applied. The events were single or multi-peaked and there were few exclusions on the grounds of complexity; rainfall and response runoff are easier to relate and analyse in an isolated hydrograph but the very large events are not always simple.

The majority of events were selected from the period 1961–70 inclusive because the Meteorological Office had put all daily rainfall for these years on magnetic tape. Outside this period, daily rain data abstraction was more laborious and attention was confined to particularly severe events. Prior to 1961 these could also be identified by examination of the annual histograms of mean daily flow but it was found useful to study River Board reports, published papers, and even newspaper cuttings to ensure that everything possible was examined. In detail the search consisted of checking for floods on catchments close to the centres of storms mentioned by Bleasdale (1963). Next a search was made of all the available River Authority and former River Board annual reports for mention of extreme flooding. The Meteorological Office (Met. 0.8) has for many years contracted a news agency to supply local newspaper cuttings about extreme rainfall and the Floods Team arranged for the supply of cuttings on river flooding which should prove useful in future studies. Several local disasters were discovered in this way but not many were amenable to analysis. In fact, the likelihood of coincident rainfall and runoff data of good quality reduces markedly before 1960 and the earliest event for which suitable data have been assembled was in August 1931 on Burbage Brook in the Trent catchment.

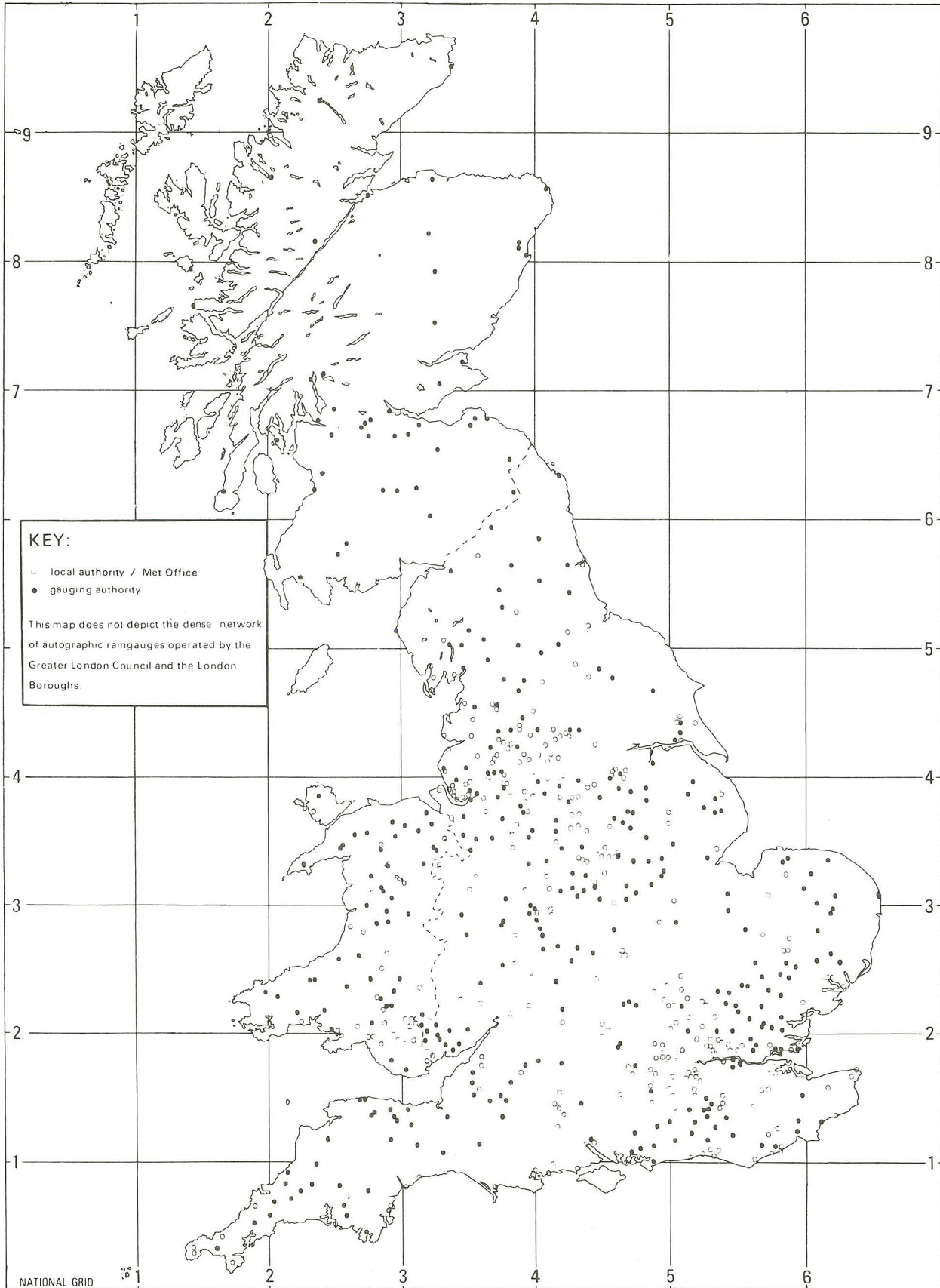
The streamflow hydrograph

All flow data extracted in the Floods Study were based on the chart record rather than punched tape recorder data. The latter are now widespread in this country but date only from 1965 at the earliest. Also, although most of the routine processing of these tapes has been handled by the Water Resources Board, there would have been some difficulty and certainly some delay in arranging for specific periods of the record to be output as flows at, say, hourly intervals. Even if such a system had been developed, it is felt that in the present studies the advantage of being able to examine the form of the flood wave before spending time or money on the computer was important.

Chart digitisation equipment is used in some river authority offices; the Institute of Hydrology uses a d-mac 1b pencil follower. By means of this device, the co-ordinate location of a movable 'pencil' within a frame outlined on the instrument's working surface is displayed and can be punched by foot switch to paper tape. The pencil is guided along the required line and the resulting tape, which records the succession of pencil locations, is input to a computer program. Special equipment was developed—by Micro Methods Ltd—which allows the microfilmed image of a selected flood hydrograph to project onto the working surface (see Lowing & Newson, 1973). Reference information, including a summary of the rating curve, is first punched onto the paper tape by means of a key board.

The time axis of the chart is then calibrated by recording two positions on the baseline and entering the time interval between them in hours on the key board. The vertical scale is calibrated in the same way; it may be in units of stage or flow and there may be one or more scales, particularly with direct flow recorders. Angular displacement of the chart image is allowed for automatically but additional calibration points to compensate for rectilinear distortion are optional. Two extra points are required if the stage axis is curved (Lea Abbey recorder).

Fig 3.2 Location of autographic raingauges.



The hydrograph itself was digitised at selected points with a frequency which depended on the curvature of the trace; more points were taken near peaks. Codes are entered by the key board when the trace goes off the top or bottom of the chart, reverses (Leupold and Stevens recorders), reaches the end of a chart or is subject to a change in datum. Parts of the trace may be repeatedly digitised (overwritten) whether or not any such codes have been entered. At the end of the event, any comments on the trace are entered.

The processing of the hydrograph is in two stages. The first part applies the rating curve to the digitised points and calculates the flows and times. The second part interpolates between the digitised points to give flows at regular, usually hourly, intervals. The interpolation is by a cubic curve fitting procedure but, if this produces a flow out of the range of the digitised values on either side, straight line interpolation is applied.

The hydrograph was stored on magnetic tape and also produced in graphic form by a plotter attached to the computer. Causative rainfall and the results of analysis were later added to the plot; it was thought that with so much data being extracted automatically, it was vital to make a visual appreciation.

3.2 Storm rainfall data

Hourly rainfall data were used for this study, and the criteria for catchment selection included the availability of autographic raingauges. At the start of the study only limited information was available about the distribution of these instruments and there was no central source of data from them. However, co-operation with the Meteorological Office resulted in the listing of details of over 600 gauges in Great Britain (see Figure 3.2) and the establishment of a system of 16 mm microfilming at HMSO, Basildon. The average length of record was between 5 and 10 years, although there were some very long records such as that for Skipton, Yorkshire (1912 to date). A list of the stations used in these studies is given in Table 3.1.

As the Institute of Hydrology undertook to collect most of the charts it was usually convenient to extract data directly but the 16 mm microfilm was also used. Semi-automatic extraction via the d-mac equipment was considered and felt to be suitable for routine processing of a large number of high quality charts. However, with isolated heavy rainfall periods, it was thought to be easier to correct for the variety of possible instrument and human errors in the original charts if manual extraction was employed. Thus, plastic templates were used and 24 hourly values tabulated on forms for each relevant daily chart, after which the tabulated total fall was checked and compared with the daily check gauge whose total is often recorded on the chart. Open scale and weekly charts were also used for a few stations.

Regrettably, the standard of operation and maintenance of some autographic gauges was not always satisfactory; several important stations produced records which were too poor to be of use or the charts had been destroyed after only a short period of storage.

In the present study, autographic gauge data for flood events were extracted at clock hourly intervals and punched onto cards. Records from about 200 gauges were used. Where more than one gauge was available for a particular catchment, the final hourly profile was determined by weighting each of the individual storm profiles according to the reciprocal

of its distance from the centre of the catchment. Thus, the hourly falls for any one gauge were multiplied by the ratio of the reciprocal of distance-to-centre for that gauge to the total of reciprocals for all gauges. These products are summed for all gauges to give the final storm profile.

Daily data, from magnetic tape (1961–70) or tabulations, were obtained for all standard gauges on or near the catchments. The tapes originally provided by the Meteorological Office (1971) were $\frac{3}{4}$ inch tapes produced by a KDF9 computer, one each per year for England and Wales and for Scotland and Northern Ireland. Within each tape the rainfall stations are sectioned off into geographical computer areas of which there are 30 in England and Wales and 9 in Scotland and Northern Ireland. The master data blocks which preface each tape contain the altitude, annual average fall and grid reference for each station. Copies of the tape first had to be made on $\frac{1}{2}$ inch tapes and the Hydraulics Research Station (Boulton, 1971) wrote a program to unpack these tapes for rewriting in a form compatible with the ICL 1903A computer at the station. There were considerable difficulties and delays involved in these tape manipulations and it was some time before an efficient system of extracting the required data was achieved. Flood events near a year boundary required two tapes to be loaded simultaneously and could only be run during offpeak spells on the computer.

Gauges were selected if they were located within four specified points describing a quadrilateral around the catchment. These points (grid references) formed part of the input data. The technique provides selection of all available gauges without painstaking reference to maps or listings except to select the initial set of grid points and to obtain the grid reference of a point close to the centre of the catchment (on the intersection between the long and broad axes of the basin). This procedure is shown for an actual case in Figure 3.3. The average storm rainfall over the catchment was determined by the isopercental method where the ratio storm total/annual average is averaged for all the chosen daily gauges and then

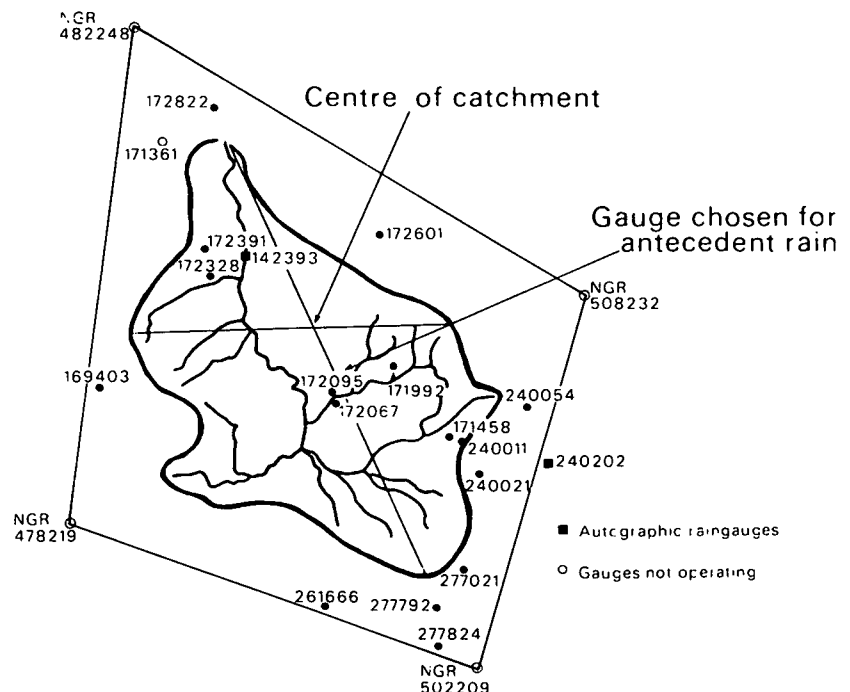


Fig 3.3 Procedure for selecting gauges for rainfall estimations.

multiplied by the annual average for the catchment (as assessed by the Meteorological Office from large scale isohyetal maps). Thus, a single rainfall total is obtained for the catchment for each day of the storm.

The time distribution of the storm total was obtained from the distance-weighted autographic data for each 24 hour period within a storm but the output of hourly totals was restricted to the hours of the selected storm. Occasionally small amounts of rainfall before or after the storm produced no response in streamflow and were therefore deleted from the storm, although listed on the output for information. Any rain falling between 0900 hours and the time of the first event rain was output and included in the calculation of an antecedent condition index. 28 days of antecedent rainfall were output for the gauge nearest to the centre of the catchment. Checking the rainfall output consisted of an inspection of the daily falls to see if all parts of the catchment had experienced the storm with comparable severity. Purely physiographic effects may be identified by reference to the percental values which were also output by the program. Thus, in an upland catchment the percental values (daily rainfall divided by annual average) usually show less spatial variation than the actual falls. Where two or more gauges had been used to derive the hourly pattern of falls a check was also made to reject those events with major differences in the patterns.

Antecedent conditions

Relevant data concerning a flood event are not confined to rainfall and runoff; it is important to know something about the prior state of the catchment. As described in the previous paragraph, 28 days of antecedent rainfall were extracted for each event; this enabled an antecedent precipitation index to be calculated. In addition, the soil moisture deficit (SMD) was obtained. The Meteorological Office compute SMD at a large network of stations and many records have been extended back to 1941 (see description in Section I.4.2.4 and map of stations available in Figure I.4.8). These data were available as tabulations only and had to be extracted manually and punched onto cards. Apart from the daily values at each station—which are not published—the Meteorological Office issue a map each month during period of deficit from which an average value for the catchment may be deduced. Thus, it was possible to combine an up to date estimate from a gauge which might be some distance from the catchment with an earlier spatially smoothed value for the catchment as a whole.

For a small subset of the selected catchments, 28 days of antecedent SMD were extracted.

3.3 Catchment characteristics

The data described earlier are hydrological data associated with specific flood events. The only constant characteristic of the catchment which was included is its area—a necessary number in most analyses. However, a major aspect of the present study involves comparison between catchments, and many other characteristics have been examined (I.4.2).

Since most of the unit hydrograph catchments form a subset of the

sample used for the concurrent statistical studies, catchment characteristics like main channel slope, stream frequency, winter rain acceptance classification of soils, urban fraction and climate characteristics were already available. In addition, for the 151 catchments initially chosen for the study of specific events, some further variables were measured for comparison with unit hydrograph dimensions. For prediction of the time distribution of runoff, distributional measures of catchment characteristics referred to the outflow such as the time-area diagram of Ross (1921) and Clark (1945) are often used, as are measures of the shape of the catchment area.

In this study catchment shape was expressed by $k = L^2\pi/4A$, where A is catchment area and L is catchment length (Chorley, Malm & Pogorzelski, 1957). The catchment length is defined here as the radius of the circle centred on the outfall whose circumference just touches the most distant part of the catchment.

Because of the extra information contained in stream length as opposed to junction measures of channel network density, and because the number and size of unit hydrograph catchments were small, drainage density was measured by opisometer. The relationship between drainage density and stream frequency is shown in Figure 3.4. Experiments were also conducted with time-area diagrams and stream frequency diagrams for the hydrograph study catchments (see Newson, 1974) but neither provided better prediction of hydrograph parameters than the simpler indices.

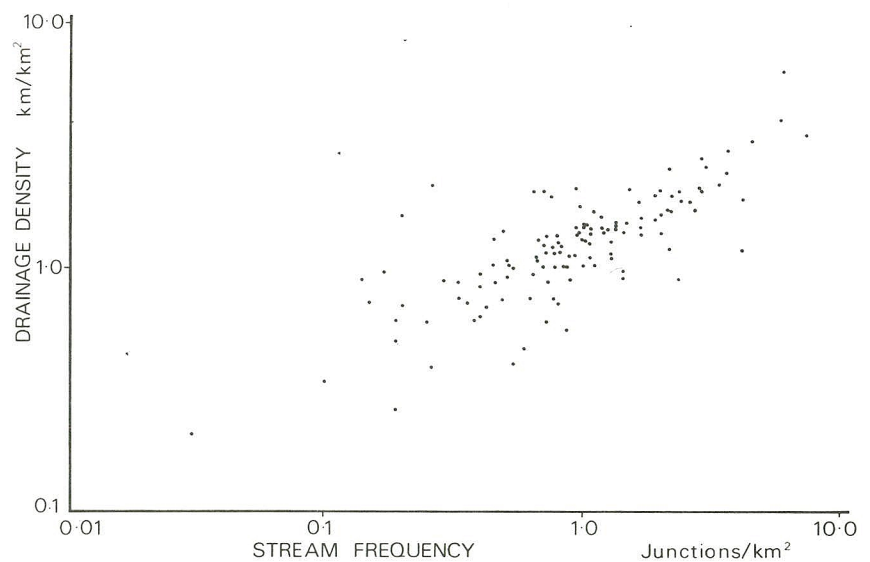


Fig 3.4 Relationship between drainage density (DD) and stream frequency (STMFREQ).

For certain catchments used for hydrograph analysis a distinction was drawn, on a trial basis, between the impervious and pervious subareas, and catchment areas together with indices depending on area (stream frequency, drainage density and annual average rainfall) were calculated separately for the total and impervious subareas. The problem was restricted to catchments partially lying on chalk. In one other case a map of sewers and drains was obtained in an attempt to define the effective catchment for an urban catchment (the Maun at Mansfield).

3.4 References

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Table 3.1 List of recorded raingauge records for unit hydrograph study.

The following list of 248 gauges gives for each river authority and hydrometric area the Meteorological Office number, location, name and period of record (where this is the period of microfilm) for all recording raingauges for which microfilm exists and some information for those gauges (shown as 'Chart records') used in the unit hydrograph analysis in original chart form (for instance open scale recorder charts were not capable of microfilming) or from Meteorological Office tabulations (shown as 'Met. Office tables'). The abbreviations used for authorities are given in Chapter 5.

	Grid ref.	No.	Name	Period	Operator	
Northumbrian River Authority (NRA)						
Area 23	NZ 032513	018027	Derwent Bridge	1963–71	SSSWC	
	NY 720463	013453	Alston	1955–69	NRA	
	NY 632935	008887	Kielder Castle	1969–71	NRA	
Area 24	NZ 267416	024124	Durham Univeristy	1936–71	University Observatory (Dept. Geog.)	
Area 25	NY 757328	026530	Moorhouse	1953–70	NC (Monks Wood)	
Chart records	NZ 402185	032602	Stockton (Carlton)	1960–	NRA from 1967. British Titan Products	
	NY 872295	027035	Forest in Teesdale	1946–	Miss Redfern, PO	
	NZ 258139	029582	Darlington Water Works	1964–	Darlington CB	
Yorkshire Ouse and Hull River Authority (YOHRA)						
Area 27	SD 893672	073419	Malham Tarn	1964–70	Field Studies Council and YOHRA	
	SD 908741	061429	Litton	1956–70	YOHRA	
	SE 000540	074330	Embsay Reservoir	1961–69	Craven WB	
	(approx.)					
	SD 991518	074374	Skipton	1912–70	Skipton UDC	
	SE 672975	068782	Farndale Vicarage	1935–69	YOHRA	
	NZ 172016	052286	Richmond	1963–70	YOHRA	
	SE 598789	069297	Ampleforth	1956–66	YOHRA	
	Met. Office tables	SE 068741	057551	Buskar Beck (Bradford)	1961–	Bradford WW
		SK 330872	082580	Crookes	1961–	Sheffield WW

Data used in unit hydrograph analysis

	Grid ref.	No.	Name	Period	Operator
Trent River Authority (TRA)					
Area 28					
	SK 066665	101202	Hollinsclough	1959-69	TRA
	SJ 878321	090803	Cold Norton	1963-71	TRA
	SK 498834	124906G	Kiveton Park Farm	1962-71	TRA
	SP 422928	098210	Hinkley Sewage Works	1962-71	TRA
	SK 591699	123712	Warsop	1966-71	TRA
	SK 736349	119914	Barnstone	1962-71	TRA
	SK 696735	123815S	Bevercotes Colliery	1958-66	TRA
	SP 310986	099319	Atherstone	1966-71	TRA
	SK 168924	106238	Howden Dam	1962-71	TRA
	SK 380598	109141	Ogston Reservoir	1963-71	TRA
	SJ 966536	103043	Wall Grange PS	1962-71	Staffs. Potteries WB (per TRA)
	SP 627912	111847	Shearsby	1967-71	TRA
	SJ 994585	102848A	Tittesworth Water Works	1964-71	Staffs. Potteries WB (per TRA)
	SK 152664	108252	Monyash	1959-71	TRA
	SK 838351	119386A	Woolsthorpe	1964-71	TRA
	SK 750101	113963	Burrough on the Hill	1962-71	TRA
	SP 038768	095291	Wast Hill	1964-71	TRA
	SK 085336	104091A	Uttoxeter, Oldfields School	1965-71	TRA
Chart records					
	SK 510595	122707	Sutton-in-Ashfield Sewage Works	1964-	Sutton-in-Ashfield (per TRA)
	SK 851184	113015	Wymondham	1966-71	TRA
	SK 071226	093536C	Bliethfield Reservoir		SSW
	SK 258802	107054	Lower Burbage		TRA
	SK 103136	093864C	Hanch Reservoir		SSW
	SK 262701	107389B	Chatsworth Gardens	1966-	TRA
	SO 950916	094497	Dudley, Tipton Rd		Upper Tame Main Drainage
Lincolnshire River Authority (LINRA)					
Area 29					
	TF 121885	130506	Market Rasen	1967-70	LINRA
	TF 168967	134540	Thoresway	1961-70	LINRA
	TF 372754	135865	S. Ormsby	1961-70	LINRA
	TF 324826	135142	Tathwell	1968-70	LINRA
Area 30					
	TF 329748	137710	Tetford	1961-70	LINRA
	TF 251794	145614	Goulceby	1964-70	LINRA
	TF 299395	148934	Kirton EHS	1960-70	MAFF
	SK 916368	139360	Grantham Park	1960-70	LINRA
	SK 985756	142766	Riseholme	1962-70	LINRA
	TF 335435	149876	Boston (Church Rd PS)	1939-70	Boston MB
Welland and Nene River Authority (WNRA)					
Area 32					
	TF 461099	165129	Lynn Rd PS, Wisbech	1944-70	Wisbech BC
	TF 245230	154773	Spalding	1965-70	Internal Drainage Board
	(approx.)				
	SP 860930	152419	Caldecott (prev. Eye Brook Reservoir 1937-56)	1957-70	Stewarts & Lloyds
	(approx.)				
	TL 201984	164364	Peterborough Sewage Works	1966-1971	City of Peterborough
Chart records					
	SP 901885	163465	Corby (Stanian Lane)	1940-	Stewarts & Lloyds
Great Ouse River Authority (GORA)					
Area 33					
Chart records					
	TL 683778	187228	Mildenhall	1935-	Met. Office
	TL 858643	185735	Bury St Edmunds	1966-	Bury MB
	TL 850643	185738	Bury St Edmunds	1951-63	West Suffolk WB
	TL 525384	181240	Audley End House	1965-	GORA
	TL 202797	196390	Monks Wood	1967-	NC
Met. Office tables					
	TF 726094	199124	Marham	1951-	Met. Office
East Suffolk and Norfolk River Authority (ESNRA)					
Area 34					
	TM 190972	205719	Flordon	1967-70	ESNRA
	TG 179360	213322	Thurgarton	1964-71	ESNRA
	TM 078806	209524	Bressingham	1966-71	ESNRA
	TF 854371	202347	N. Creake	1965-71	ESNRA
	TF 994138	207059	Dereham (site change Aug. 1965, earlier called Quebec Hall)	1964-70	ESNRA
	(207044)				
	TG 031252	206769	Foulsham	1964-71	ESNRA
	TM 074984	204688	Morley Hall	1967-71	ESNRA
Met. Office tables					
	TF 847245	206273	West Raynham		Met. Office

Table 3.1

	Grid ref.	No.	Name	Period	Operator
Area 35	TM 060578	221945	Stowmarket	1966-71	ESNRA
	TM 237394	221370	Levington	1967-71	ESNRA
	TM 184625	219987	Debenham	1966-69	ESNRA
	TM 244567	220391	Charsfield	1970-71	ESNRA
Essex River Authority (ERA)					
Area 36	TL 680448	223805	Haverhill Sewage Works	1962-71	Haverhill UDC/ERA
	TL 872422	225116	Sudbury Water Works	1968-71	West Suffolk WB/ERA
	TM 017340	225621	Langham Water Works	1968-71	ERA
	TL 928525	225927	Thorpe Morieux	1963-71	ERA
Area 37	TQ 571968	232745	Millfield	1969	ERA
	TQ 832888	236052	Eastwood	1966-69	ERA
	TL 827023	234362	Purleigh	1963-71	ERA
	TQ 606867	237162A	Bury Farm (Horndon)	1968-70	ERA
	TL 676066	232671	Writtle	1967-71	ERA
	TL 823304	228574	Halstead	1959-71	ERA
	TL 738060	233276	Sandford Mill Water Works (Chelm.)	1947-67	ERA
Lee Conservancy (LC)					
Area 38					
Chart records	TL 064217	240202	Luton, Runley Wood	1964-	Luton Water Co. (to Met. Office)
	TL 089232	240209	Luton, Wardown Park	1957-63	LC (to Met. Office)
	TL 287213	241458	Whitehall PS	1960-	Lea Valley Water Co.
	TL 119217	240869	Luton Airport (formerly the gauge at Wardown Park, then moved to Runley Wood)	1963-64	Luton MB (to Met. Office)
Greater London Council (GLC)					
Chart records	TQ 212712	287238	Kingston Vale, New Malden	1965-70	GLC
	TQ 194683	286392	Hogsmill Valley Sewage Works	1957-70	GLC
	TQ 229668	287098	Worcester Park Sewage Works	1936-65	Sutton
	TQ 278663	287883	Carshalton PS	1965-70	Sutton
	TQ 321623	287722	Purley Oaks Depot	1965-70	Croydon
	TQ 374692	288749	Kelsey Park		Bromley UDC
	TQ 399693	288687	Bromley Church House		Bromley UDC
Thames Conservancy (TC)					
Area 39					
Chart records	TQ 263345	284231	Broadfield	1950-70	Crawley Dev. Corp.
	SP 458417	257038	Grimsbury PS	1954-71	Oxford District WB
	SU 625518	270550	Basingstoke Cemetery	1963-71	Basingstoke MB
	TQ 135661	285964	Esher Sewage Works	1952-68	Esher UDC
	TQ 213639	286284	Ewell Court	1957-68	Epsom/Ewell MB
	TL 232036	276315	North Mimms PS		Lea Valley Water Co.
Met. Office tables	SP 677215	258745	Grendon Underwood	1963-	IH
	TQ 265407	284324	Gatwick	1958-	Met. Office
Kent River Authority (KRA)					
Area 40					
Met. Office tables	TQ 983518	300225	Throwley	1959-71	KRA
	TQ 384450	293942	Lingfield Sewage Works	1958-70	Godstone MB (Surrey CC)
	TQ 398501	293663	Limpsfield & Oxted Sewage Works	1958-70	Godstone MB
	TQ 785249	306766	Bodiam	1954-70	Guinness Hop Farms
	TQ 602423	294679	Northern Sewage Works (Southborough)	1958-71	Tunbridge Wells MB
	TQ 362412	293782	Felbridge Sewage Works	1962-70	Godstone MB
	TQ 677553	298019	W. Malling	1946-60	Met. Office
Sussex River Authority (SRA)					
Area 41					
Met. Office tables	SU 786103	321551	Walderton	1966-70	SRA
	TQ 334284	311269	Ardingly PS	1966-70	SRA
	SU 908267	318615	Fernhurst	1964-70	Plant Protection Ltd/SRA
	TQ 033176	319025A	Hardham PS	1956-70	SRA
	TQ 559093	310567	Michelham Priory	1967-70	SRA
	TQ 471207	312156	Uckfield Sewage Works	1967-70	SRA
	TQ 160302	316233	Horsham Sewage Works	1956-70	SRA
	SU 750234	317865	Petersfield	1960-70	SRA
	TQ 289179	314755	Hurstpierpoint College	1964-70	SRA

Data used in unit hydrograph analysis

	Grid ref.	No.	Name	Period	Operator
	TQ 794115	309244	Hollington	1968-70	SRA
Devon River Authority (DRA)					
Area 45	SS 961338	356081	Leigh Farm	1969-70	DRA
	SS 784389	356232	Winstitchen	1968-70	DRA
	SS 958354	356070	Goosemoor	1962-68	DRA
	SS 506382	356384	Thornmead, Simonsbath	1961-67	DRA
	SS 916185	357187	Stoodleigh	1963-70	DRA
	ST 138128	358232	Hemyock	1963-70	R. G. Clint
Area 46	SX 735441	365816	Kingsbridge	1962-69	DRA
	SX 655787	363294	Postbridge	1963-70	DRA
Chart records	SX 586741	363474	Princetown Prison	1928-	Governor (to Met. Office)
Area 50	SS 443176	390244	Hollamoor	1966-70	DRA
Area 51	SS 724495	396370	Lynmouth	1958-66	DRA
	SS 698454	396325	Woolhanger	1967-70	DRA
Cornwall River Authority (CRA)					
Area 47	SX 327839	372003	Launceston	1963-	CRA
	SX 347993	370869	Clawton	1963-65	CRA
	SX 553718	368718	Burrator	1964-70	CRA
Chart records	SX 594592	368120	Houndall	1964-	CRA
Area 48	SX 006573	377500	Hensbarrow (Stenalees)	1964-70	Goonvean China Clay and Stone to CRA
	SX 167707	376567	St Neot	1964-70	CRA
	SW 891512	378965	Ladock	1963-70	CRA
	SW 780452	378608	Three Mile Stone	1969-70	CRA
Area 49	SX 128831	384011	Lowermoor	1963-70	CRA
	SW 602318	382018	Godolphin	1964-70	CRA
	SX 131902	385701	Lesnewth	1963-70	CRA
	SX 049674	384555	Dunmere	1964-67	CRA
Somerset River Authority (SORA)					
Area 52	ST 723345	405488	South Brewham	1966-70	(S. J. Griffin) SORA
	ST 065291	402073	Maundown	1966-70	WSWB
	ST 319086	399180	Chard	1966-70	(Chard MB) SORA
	ST 550505	407200	Stock Hill, Priddy	1966-70	(Forestry Commission) SORA
	ST 537679	417634	Barrow Gurney	1969-70	(BW) SORA
	ST 556114	400408	Sutton Bingham Reservoir	1964-70	WXWB
	ST 331330	403219	Northmoor PS	1946-70	SORA
Bristol Avon River Authority (BARA)					
Area 53	ST 912751	412205	Hardenhuish Reservoir	1964-70	N. Wilts. WB (BARA)
	ST 589554	416807	Sherborne	1957-70	BW
	ST 657481	414415	Stoke Bottom	1965-70	BARA
	ST 772492	414290	Frome Sewage Works	1963-70	BARA
Met. Office tables	SU 012786	412023	Lyneham	1946-	Met. Office (BARA)
Sewern River Authority (SERA)					
Area 54	SJ 016192	425001	Lake Vyrnwy	1957-70	Liverpool WD
	SP 271565	452036	Wellesbourne	1969-70	National Vegetable Research Station
	SO 946218	458905	Cheltenham	1969-70	Cheltenham MB
	SO 752869	436697	Hampton Loade	1969-70	SRA
	SJ 780046	435509	Cosford Water Works	1968-70	SRA
	SP 417622	451120	Southam Council Offices	1964-70	SRA
	SO 438911	442926	Church Stretton	1960-70	Church Stretton UDC
	SP 062656	454644	Ipsley Sewage Works	1964-70	SRA
	SP 169396	453057	Chipping Camden	1964-69	SRA
	SP 334740	449958	Finham Sewage Works	1960-70	SRA
	SP 596804	447787	Stanford Reservoir	1964-70	SRA
	SO 754842	436789	Alveley	1960-67	SRA
	SO 036924	422089A	Caersws	1963-70	SRA
	SP 154679	454894	Henley in Arden PS	1964-70	SRA
Chart records	SP 290780	449856	Coventry		Coventry CB
	SP 324778	449668A	Coventry, Belvedere Rd	1959-	H. G. Ellinger
	SJ 517135	430296	Monkmoor Sewage Works	1960-63	Shrewsbury MB (open scale)
Met. Office tables	SJ 553220	433710	Shawbury	1959-	Met. Office

Table 3.1

	Grid ref.	No.	Name	Period	Operator	
Wye River Authority (WRA)						
Area 55						
Chart records	SN	828850	Cefn Brwyn	1968-	IH	
Usk River Authority (URA)						
Area 56						
	ST	331926	486440	Ponthir Sewage Works	1968-71	URA
	SO	025369	483157	Castle Madoc	1967-71	URA
	ST	276992	486311	Pen Yr Heol Res.	1967-71	URA
	SO	198012	487120	Llanhilleth (Pen-y-fan)	1967-71	URA
	SN	834289	481666	Upper Usk	1961-66	W. Glamorgan WB
	SN	887219	481854	Cray Reservoir	1955-67	W. Glamorgan WB (film at Met. Office)
Chart records	SN	998416	482066A	Pant-y-Celyn Farm	1963-67	URA
Glamorgan River Authority (GRA)						
Area 57						
	SS	990947	490408	Gelligaled	1959-69	Rhondda MB
	SO	012115	489091	Llwynon Reservoir	1962-70	Cardiff WW
	ST	023911	490594	Porth Park	1958-69	Rhondda MB
	SS	938983	490295	Treherbert Park	1959-70	Rhondda MB
Area 58						
	SS	847913	492902	Maesteg Welfare Park	1942-66	intermittent Maesteg UDC
	SS	918796	493436	Tremains House	1964-71	GRA
	ST	019716	492060	St Mary Church	1967-71	GRA
Chart records	SN	869079	495094	Maesgwyn	1965-69	George Wimpey
South West Wales River Authority (SWWRA)						
Areas 59-63						
	SN	069299	509325	Ddolwen Bridge (Maenclochog)	1959-71	Pemb. WB & SWWRA
	SN	776096	496428	Ystradgynlais	1959-71	SWWRA
	SN	578389	503834	Rhydymerau	1964-70	SWWRA
	SN	859181	496138	Glyntawe (Nant-yr-Wydd)	1961-71	W. Glamorgan WB
	SN	709792	520454	Cwmrheidol	1965-70	SWWRA
	SN	497015	499359	Penyfai	1949-70	SWWRA
	SM	977305	510264	Little Newcastle (Hotwells)	1959-64, 1968	SWWRA
	SN	753401	501089	Cilycwm	1965-71	SWWRA
Gwynedd River Authority (GWRA)						
Areas 64-66, 102						
	SH	487634	530724	Caernarvon	1966-71	GWRA
	SH	384854	532548	Alaw Reservoir	1968-71	GWRA (film at Met. Office)
	SH	858119	521847	Mallwyd or Camlan Uchaf	1966-68	GWRA
	SH	263313	529038	Botwnnog	1968-71	GWRA
	SH	859143	521661	Dinas Mawddwy	1968-71	GWRA
	SH	557442	527980	Cwmstradllyn	1968-71	GWRA
	SH	745006	523199	Machynlleth	1966-71	GWRA
Met. Office tables	SH	654542	527223	Cwm Dyli	1955-	GWRA
Dee and Clwyd River Authority (DCRA)						
Areas 66, 67						
Chart records	SH	881401	542520	Tryweryn (Llynkelyn)	1960-	DCRA
	SJ	201622	547250	Loggerheads	1967-	DCRA
	SH	949644	540359	Pwll Mawr. Llansannan	1967-	DCRA
	SJ	275421	544876	Ruabon	1960-	DCRA
	SJ	156327	545176	Llanarmon	1960-	DCRA
Mersey and Weaver River Authority (MWRA)						
Areas 68, 69						
	SD	767224	560942	Holden Wood (Haslingden)	1966-69	MWRA
	SJ	897783	564768	Prestbury Sewage Works	1936-69	City of Liverpool
	SJ	944715	564594	Bottoms Reservoir (Langley)	1966-69	MWRA
Chart records	SJ	553505	551717	Cholmondeley	1937-	MWRA
	SJ	818850	564419	Ringway	1941-	Met. Office
	SJ	853636	554723H	Congleton Sewage Works	1937-	Congleton MB
	SK	012972	559024B	Arnfield Reservoir	1943-	MWRA
	SJ	602845	557448	Appleton Reservoir	1937-62, 1965-	Warrington CB
	SJ	651516	552950	Nantwich, Brookfield House	1950-	MWRA
	SJ	472935	566159	Prescot		Liverpool WW
	SD	992042	559585	Greenfield Sewage Works	1938-	Saddleworth UDC
	SK	054880	558489	Kinder Filters	1933-	MWRA
	SJ	962712	564572	Trentabank Reservoir	1937-	MWRA

Data used in unit hydrograph analysis

	Grid ref.	No.	Name	Period	Operator
Lancashire River Authority (LRA)					
Area 71	SD 704550	573426	Croasdale House	1961-70	FWB
	SD 717548	573337	Stocks No. 21D	1958-71	FWB (LRA)
Chart records	SD 766789	571489	Ribblehead	1958-	British Railways
Area 72	SD 474857	586055	Levens, Bridge End	1952-71	LRA
	SD 566545	577793	Abbeystead Gardens	1957-71	LRA
Chart records	NY 623085		Orton	1968-	LRA
Area 73	NY 315058	586848	Great Langdale, Copt Howe	1959-71	P. G. Satow and LRA (two recorders)
Chart records	NY 453023	585053	Kentmere	1964-	LRA
Area 74	SD 166851	589776	Lanthwaite	1957-71	S. Cumberland WB and LRA
Cumberland River Authority (CURA)					
Areas 75-77					
Chart records	NY 503159	601303	Burn Banks	1962-	Manchester WW
	NY 599720	603649	Spadeadam	1959-	Rolls Royce
Scotland					
Area 7	NJ 229630	1078	Elgin	1951-71	Elgin Town Council
Area 8					
Chart records	NJ 223222	29	Glenlivet	1954-	
Area 10	NJ 872107	1272	Craibstone	1925-50, 1954-	N. Scotland College of Agriculture
Area 19	NY 299544	992111	Gladhouse Reservoir	1951-71	SESWB
	NT 100610	24	Harperrig	1953-71	
Chart records	NT 038670	1603	Livingston		Livingston Dev. Corp.
Met Office tables	NS 950655	898119	Whitburn S. Works	1966-	LRPB
Area 21	NT 106231	47	Talla Reservoir	1959-70	
Area 77					
Met. Office tables	NT 235026	7	Eskdalemuir	1908-44, 1967	Met. Office
Area 84	NS 593552	C 6414	Thorntonhall, East Kilbride	1950-69	Building Research
Chart records	NS 762653	992100	Airdrie		Lanarkshire WB
	NS 309635	CR4(51)	Muirshiel Mill		CRPB

Table 3.2 Details of events used in hydrograph analysis.
ANSF is average nonseparated flow, SMD is soil moisture deficit, API5 is antecedent precipitation index (5 day), CWI is catchment wetness index ($125 + API5 - SMD$).

Table 3.2

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	RAINFALL DURN (H)	PEAK FLOW (CUMEC/S)	LAG (H)	ANSF (CUMEC/S)	SMD (MM)	APIS (MM)	CWI (MM)	RUNOFF (MM)	X	UH PEAK (CUMEC/S PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT 0.5 PEAK (H)	UH TIME RISE (H)
19001	7	13 8 66	41.6	20	149.00	9.4	5.33	0.0	6.9	131	23.6	56.7	21.9	7.8	10.0	30.8
19001	8	1 11 67	39.6	32	106.00	6.0	8.21	0.0	0.0	125	17.6	44.4	25.5	5.7	7.4	28.8
19001	9	22 12 67	18.3	21	114.00	4.5	8.79	0.0	6.2	131	9.6	52.5	30.3	3.2	6.6	23.3
19001	10	4 5 68	55.2	34	130.00	5.3	12.90	0.0	9.5	134	27.4	49.6	25.3	5.6	7.1	29.8
19001	11	21 11 69	57.5	29	170.00	14.8	4.22	16.0	4.1	113	33.7	58.6	24.0	8.9	7.8	30.7
19002	1	22 6 66	40.0	26	13.60	3.8	2.70	17.6	14.0	121	21.5	53.7	14.8	7.3	14.1	46.9
19002	2	13 8 66	47.9	21	15.30	8.4	0.96	0.0	7.4	132	24.0	50.1	16.8	7.4	14.9	36.4
19002	3	5 10 66	27.5	11	12.20	5.7	1.26	0.2	6.2	131	12.8	46.3	21.7	5.0	12.1	27.0
19002	4	11 11 66	27.9	29	9.65	8.4	0.73	0.6	0.5	124	18.7	67.0	15.6	7.9	16.1	39.1
19002	5	18 12 66	25.1	18	12.00	6.0	1.92	0.0	7.8	132	14.2	56.6	24.7	7.2	8.3	28.4
19002	6	6 10 67	27.8	21	11.90	10.8	0.54	4.0	5.4	126	20.9	75.2	15.1	8.5	15.7	42.2
19002	7	8 10 67	32.6	21	16.50	11.9	0.89	0.0	19.0	144	29.2	89.6	15.7	11.1	15.6	39.6
19002	8	1 11 67	39.5	32	11.30	9.4	0.70	0.0	0.8	125	22.5	57.0	15.7	5.9	11.9	47.0
19002	9	4 5 68	50.8	34	17.70	7.8	2.03	0.0	7.9	132	31.5	62.0	18.3	5.2	11.3	38.2
19002	10	12 9 68	31.6	16	10.40	7.3	1.08	60.0	7.7	122	15.3	48.4	21.3	9.6	10.6	31.0
19002	11	21 11 69	64.3	27	18.60	10.3	0.82	0.0	5.3	130	38.6	60.0	17.4	6.3	11.4	41.1
19005	1	13 8 66	42.9	20	106.00	6.5	5.02	0.0	6.9	131	24.6	57.3	27.0	4.3	7.3	26.6
19005	2	5 10 66	22.8	12	67.70	5.6	4.47	0.2	6.2	131	10.2	44.7	30.2	4.8	7.2	22.4
19005	3	18 12 66	21.8	18	65.40	5.8	8.37	0.0	8.4	133	12.2	56.0	34.0	6.3	6.8	19.1
19005	4	8 10 67	28.9	21	77.40	10.8	6.48	27.9	13.9	111	20.8	72.0	24.6	13.2	13.0	19.2
19005	5	1 11 67	38.5	33	79.60	4.5	5.63	0.0	0.0	125	19.1	49.6	29.0	4.7	6.5	25.3
19005	6	22 12 67	20.2	17	104.00	4.8	9.43	0.0	6.2	131	11.4	56.4	33.8	4.0	6.4	20.1
19005	7	4 5 68	49.4	34	82.80	6.1	6.38	0.0	9.5	134	27.7	56.1	25.4	5.7	7.0	29.8
19005	8	12 9 68	28.1	16	66.20	5.3	4.57	60.0	7.5	122	14.3	50.9	24.2	5.6	8.0	30.0
19005	9	21 11 69	57.7	27	132.00	12.2	4.27	0.0	6.9	131	39.2	67.9	24.2	5.6	8.0	30.0
20001	1	14 3 64	26.6	18	49.20	4.8	5.00	0.9	2.0	126	7.1	26.7	21.6	5.8	10.4	30.7
20001	2	10 10 64	46.1	24	36.50	12.2	1.21	61.9	3.3	66	8.5	18.4	17.1	8.0	13.5	38.0
20001	3	27 7 65	37.0	40	44.80	17.5	1.89	47.1	7.2	85	11.1	30.0	16.7	10.4	12.3	42.0
20001	4	17 9 65	29.2	15	63.60	7.8	4.75	0.8	0.7	124	9.9	33.9	26.4	6.6	9.0	24.1
20001	5	3 8 66	100.0	33	113.00	17.1	1.44	71.4	0.3	53	27.0	27.0	15.3	12.7	15.0	42.7
20001	6	13 8 66	54.8	19	98.70	12.1	4.76	0.3	5.6	130	21.7	39.6	17.9	10.1	12.8	36.5
20001	7	5 11 66	22.4	15	64.40	5.9	9.91	0.0	6.6	131	7.4	33.0	26.0	5.3	9.0	24.8
20001	9	4 5 68	45.1	46	58.80	9.9	6.62	3.9	11.1	132	18.2	40.4	15.7	8.5	14.0	42.8
20001	10	14 7 68	51.5	53	69.00	9.5	2.95	55.4	5.9	125	16.0	31.1	15.7	5.1	12.8	53.0
20001	11	31 10 68	47.3	37	52.70	10.4	2.95	30.0	2.9	97	18.2	38.5	13.8	5.1	12.8	53.0
21005	2	7 12 62	47.1	26	123.00	7.6	11.00	0.9	0.0	124	12.1	25.7	30.8	8.0	6.3	23.5
21005	3	17 11 63	47.2	18	141.00	10.8	17.00	0.3	2.0	126	16.0	33.9	22.4	7.5	9.0	31.6
21005	4	9 1 65	40.1	28	136.00	9.3	16.40	0.0	21.3	146	23.1	57.6	24.8	8.4	8.5	27.8
21005	6	26 2 67	33.2	12	147.00	7.7	25.10	0.0	9.9	134	14.1	42.5	25.4	8.9	8.3	27.2
21005	7	8 10 67	45.3	20	114.00	9.9	18.70	0.0	13.6	138	17.1	37.7	19.7	7.5	12.5	31.4

Data used in unit hydrograph analysis

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	PEAK FLOW (CUMEC/S)	LAG (H)	ANSF (CUMEC/S)	SMD (MM)	APIS (MM)	CWI (MM)	RUNOFF (MM)	%	UH PEAK (CUMEC/S PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT 0.5 PEAK (M)	UH TIME BASE (H)
23002	1	27 6 63	45.8	25 90	15.9	1.10	46.3	6.7	85	12.8	27.9	42.8	6.3	5.8	14.4
23002	2	23 8 63	17.3	22 30	4.3	1.03	21.9	1.4	104	3.6	20.8	53.2	4.5	5.5	9.9
23002	3	9 11 63	31.1	37 00	4.1	3.59	0.0	2.8	127	11.2	36.0	33.3	5.5	7.7	18.0
23002	4	11 11 63	22.7	39 20	4.3	5.76	0.0	14.4	139	10.1	44.5	38.0	4.5	6.0	17.3
23002	5	21 11 63	23.6	51 00	5.1	5.32	0.0	6.8	131	11.8	50.0	35.3	4.0	6.5	18.3
23002	6	24 3 64	15.9	31 50	6.1	6.75	0.0	7.2	132	6.0	37.7	26.4	8.4	7.7	24.7
23002	7	6 6 64	20.2	16 10	7.1	1.68	22.8	11.9	114	4.9	24.3	31.5	7.5	7.0	24.3
23002	8	18 8 64	18.2	11 10	5.5	0.74	48.0	5.6	82	9.2	31.3	41.6	5.0	6.5	13.7
23002	9	8 12 64	20.4	24 50	5.5	2.84	27.5	13.9	111	10.0	38.2	30.6	5.3	8.5	19.3
23002	10	15 1 65	26.2	27 60	3.8	4.26	0.0	10.1	135	5.9	29.8	27.5	6.6	9.8	20.8
23002	12	6 9 65	19.8	20 40	6.4	1.87	6.4	8.6	127	17.7	75.3	48.0	6.4	5.0	13.2
23005	1	1 10 67	23.5	212 00	5.2	9.15	0.0	13.7	138	29.6	82.9	53.2	5.3	4.3	12.3
23005	2	8 10 67	35.7	299 00	5.0	15.20	0.0	17.0	142	24.5	60.8	40.3	4.0	5.1	17.3
23005	3	16 10 67	40.3	237 00	6.2	10.30	0.2	8.5	133	12.4	44.0	53.0	6.8	5.8	9.4
23005	4	1 11 67	28.2	9 131 00	4.3	6.05	1.0	0.6	124	15.9	48.0	28.3	12.0	9.0	21.3
23005	5	18 3 68	33.1	103 00	12.1	10.20	0.0	11.4	136	22.2	52.9	27.2	5.5	5.0	30.9
23005	8	12 9 68	42.0	143 00	4.0	7.61	11.2	9.4	123	11.8	45.4	38.0	7.9	6.5	16.3
23005	9	17 9 69	26.0	140 00	5.6	4.42	20.6	1.1	105	19.4	69.0	49.5	4.2	4.7	13.1
23005	10	31 10 70	28.1	262 00	4.7	12.50	0.0	15.9	140	13.4	49.1	53.0	4.4	5.9	9.2
24003	1	9 11 63	27.3	70 90	3.6	5.13	0.0	4.6	129	22.5	57.7	54.0	2.9	6.4	11.8
24003	2	17 11 63	39.0	82 30	7.4	4.24	0.2	4.8	129	19.6	54.3	39.6	4.2	6.7	14.7
24003	3	23 11 63	36.1	144 00	4.1	6.63	0.0	9.6	134	9.1	40.8	51.8	4.6	5.4	10.7
24003	4	30 12 63	22.3	54 40	2.9	5.41	0.0	3.3	130	26.0	57.3	35.8	5.3	5.1	20.9
24003	5	3 12 64	45.4	139 00	5.2	7.27	0.0	36.0	161	17.7	70.0	46.5	8.4	7.2	9.5
24003	6	15 1 65	25.3	78 10	9.3	4.42	0.0	14.4	139	18.0	42.2	36.2	4.2	6.6	17.5
24003	8	25 9 65	42.7	72 80	6.7	2.13	1.8	1.3	124	20.2	42.8	40.3	3.8	4.3	18.9
24003	10	16 12 65	17.0	74 90	6.2	6.38	0.0	2.4	127	16.8	51.1	61.0	3.3	4.2	9.8
24003	11	2 10 66	47.2	121 00	5.5	2.37	3.8	4.6	125	18.9	59.4	38.6	6.0	6.4	16.0
24003	12	17 12 66	32.9	134 00	3.6	6.57	0.0	2.7	127	16.1	40.1	52.4	2.0	3.8	13.6
24003	14	27 2 67	31.8	98 70	4.8	7.40	0.0	9.5	134	15.2	60.8	41.5	3.8	5.2	16.4
24003	15	17 8 67	40.1	115 00	2.3	3.93	0.0	5.5	130	9.6	36.9	35.6	5.0	5.8	19.4
24003	16	4 9 67	35.8	64 70	3.2	4.82	0.0	16.7	141	9.8	29.2	21.0	7.5	10.7	31.6
24003	17	5 10 67	25.0	76 80	5.5	3.51	0.0	6.6	131	7.3	26.4	23.1	9.8	9.7	28.7
24003	19	1 9 68	26.0	60 20	3.1	3.84	0.0	10.6	135	10.9	36.2	29.0	7.5	8.2	21.9
24003	21	4 11 67	108.0	151 00	5.1	4.25	0.0	3.1	128	15.1	22.8	28.1	9.0	8.0	23.6
24005	1	8 12 54	33.6	35 00	8.0	4.24	3.2	0.4	122	9.8	29.2	21.0	7.5	10.7	31.6
24005	2	27 8 56	27.7	31 00	10.0	1.87	0.0	2.5	127	7.3	26.4	23.1	9.8	9.7	28.7
24005	6	13 3 64	36.5	27 30	3.4	2.83	0.0	4.8	129	8.0	21.9	29.0	7.5	8.2	21.9
24005	7	23 3 64	30.1	44 50	9.0	4.77	0.5	2.3	126	10.9	36.2	29.5	7.6	7.5	22.7
24005	8	28 9 65	14.9	17 60	7.6	1.81	25.3	4.7	104	3.2	21.5	29.5	9.0	8.0	23.6
24005	9	30 9 65	14.9	20 60	3.3	4.56	0.0	14.8	139	15.1	22.8	28.1	9.0	8.0	23.6
24005	10	17 11 65	43.0	48 40	5.8	11.80	0.0	14.1	139	9.3	35.1	33.5	4.2	6.8	19.4
24005	12	9 4 66	21.5	42 40	6.7	5.22	0.0	10.9	135	9.3	43.1	33.5	4.2	6.8	19.4

Table 3.2

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL		PEAK FLOW (CUMEC/S)	LAG (H)	ANSE (CUMEC/S)	SMD (MM)	API5 (MM)	CWI (MM)	RUNOFF (MM)	X	UH PEAK (CUMEC/S PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT 0.5 PEAK (H)	UH TIME BASE (H)
			TOTAL (MM)	DURN (H)												
24005	13	12 8 66	35.6	33	21.50	11.0	1.31	35.2	7.7	97	8.5	24.0	25.0	6.0	7.5	29.5
24005	14	2 10 66	39.9	47	21.80	12.7	1.19	17.4	4.1	111	8.5	21.3	35.6	4.7	5.9	19.4
24005	15	8 8 67	42.8	21	28.60	19.1	0.96	58.4	2.1	68	5.7	13.3	35.0	4.7	5.9	19.4
24005	16	16 10 67	42.5	16	40.70	8.1	1.84	0.6	2.4	126	11.7	27.5	35.0	5.8	6.1	19.6
24005	17	1 11 67	16.0	9	19.10	6.5	1.98	1.2	0.9	124	3.5	21.9	20.5	7.3	11.5	31.2
24005	18	4 11 67	56.2	22	39.70	8.0	0.90	0.0	3.6	128	15.1	26.9	25.2	7.0	7.4	29.3
24005	19	30 10 68	78.8	89	33.10	14.7	2.88	0.0	3.8	128	33.9	43.0	32.1	7.0	6.9	20.8
24005	21	1 1 69	21.3	26	22.70	13.2	3.23	0.2	1.2	126	8.4	39.4	32.8	6.5	6.9	20.1
24005	22	2 5 69	19.4	18	26.50	7.7	2.29	6.9	3.5	121	4.3	22.2	32.8	6.5	6.9	20.1
24005	23	6 5 69	15.5	12	30.80	5.5	4.98	0.6	7.6	132	5.2	33.5	32.8	6.5	6.9	20.1
24007	2	30 10 68	73.5	84	12.50	10.2	0.79	0.0	2.9	127	62.3	57.6	30.0	5.2	7.7	21.7
24007	5	11 1 69	17.5	17	8.03	6.2	1.27	0.2	1.4	126	7.4	42.3	45.0	5.0	5.1	16.5
24007	6	2 5 69	17.5	17	8.27	4.5	0.67	4.4	2.9	123	3.9	22.3	34.0	5.0	7.2	18.3
24007	7	3 5 69	14.5	13	8.47	5.6	1.50	0.0	13.7	138	5.7	39.3	32.0	4.5	6.8	21.1
24007	8	23 6 69	23.4	18	8.86	7.2	0.50	12.0	8.6	121	5.6	23.9	42.0	3.6	5.0	16.5
24007	9	17 9 69	22.0	11	8.36	4.0	0.69	42.0	2.9	85	4.9	22.3	42.0	3.6	5.0	16.5
25003	2	21 11 63	38.9	18	12.30	2.9	0.35	0.0	15.5	140	19.8	50.9	52.0	4.8	4.3	12.8
25003	3	8 8 64	36.7	8	14.30	2.8	0.46	82.1	16.7	59	18.3	49.9	52.4	3.9	4.8	11.6
25003	5	15 9 65	38.4	14	13.50	1.3	0.38	3.1	1.2	123	21.5	56.0	55.0	2.5	3.8	12.6
25003	7	3 9 66	36.6	19	13.00	4.2	0.23	0.0	12.0	137	27.2	74.3	59.0	3.0	4.8	9.2
25003	11	2 7 68	29.7	9	24.10	1.5	1.02	0.0	16.8	141	21.3	71.7	70.0	3.0	3.0	9.9
25003	12	11 9 68	44.4	14	15.90	2.6	0.50	8.8	7.0	123	31.0	69.8	59.0	2.9	4.1	10.6
25003	13	21 9 68	41.0	11	13.70	3.5	0.67	0.0	11.5	156	32.6	79.5	54.0	2.9	4.2	12.2
25003	14	22 9 68	33.3	20	13.60	2.5	0.51	0.0	31.2	156	28.0	84.1	57.0	3.0	3.8	11.9
25004	3	21 1 59	28.5	32	26.80	18.2	7.47	0.0	13.1	138	7.4	26.0	13.3	14.1	16.0	31.6
25004	5	14 3 64	22.3	19	24.10	8.2	3.91	2.0	5.2	128	7.8	35.0	14.4	7.7	17.5	42.2
25004	8	9 4 66	23.8	13	29.70	12.0	6.86	0.0	10.9	135	8.0	33.6	14.0	10.0	16.6	66.2
25004	9	16 10 67	43.5	18	32.20	12.4	3.70	0.0	7.5	132	12.8	29.4	13.0	11.8	18.0	49.5
25004	10	4 11 67	50.1	23	35.50	16.2	3.88	0.2	4.1	128	20.3	40.5	9.0	8.5	26.7	70.2
25004	11	30 10 68	69.8	60	29.10	18.2	4.70	0.0	5.6	130	21.0	30.1	11.3	13.0	22.2	54.0
25004	12	17 12 68	44.4	30	35.00	19.0	4.05	0.0	3.2	128	19.0	42.8	12.8	11.0	15.0	56.9
25004	13	13 8 71	78.9	41	33.10	15.7	3.52	36.6	14.4	102	20.8	26.4	9.0	15.2	23.7	76.2
25810	4	3 8 61	41.7	19	0.04	1.3	0.00	49.6	1.0	76	12.5	30.0	103.0	1.5	2.3	6.2
25810	5	16 10 61	57.5	30	0.03	2.4	0.00	4.1	1.7	122	16.8	29.2	100.0	2.3	2.4	6.1
27001	6	9 11 63	32.0	15	76.60	6.6	12.20	36.8	2.6	90	6.1	19.1	26.2	9.3	8.3	25.8
27001	7	21 11 63	32.9	23	149.00	6.8	19.40	0.0	5.0	130	13.2	40.1	27.8	8.0	9.5	21.0
27001	8	13 3 64	42.1	24	84.20	6.9	9.48	0.0	4.2	129	11.6	27.6	18.0	8.2	13.0	35.8
27001	9	23 3 64	29.9	26	89.60	12.3	15.60	0.8	2.0	126	13.2	44.1	18.5	10.0	11.8	36.5
27001	15	22 2 67	23.8	12	98.10	8.1	13.90	0.0	6.7	131	7.7	32.4	24.5	8.0	8.5	28.4

Data used in unit hydrograph analysis

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	DURN (H)	PEAK FLOW (CUMSECS)	LAG (H)	ANSE (CUMSECS)	SMD (MM)	API5 (MM)	CWI (MM)	RUNOFF (MM)	X	UH PEAK (CUMSECS PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT 0.5 PEAK (H)	UH TIME BASE (H)
27001	16	27 2 47	38.3	26	138 00	9.9	15 50	0.0	3.0	128	14.2	37.1	22.5	7.4	9.0	31.4
27001	17	8 47	36.1	34	133 00	13.3	9 96	24.0	7.3	108	14.2	39.3	21.0	9.2	8.6	38.8
27001	18	10 67	49.1	20	274 00	13.5	20 10	0.4	9.7	134	32.3	65.8	23.5	11.5	10.0	27.5
27001	20	2 7 48	16.2	10	167 00	5.1	20 30	8.0	23.6	140	9.3	57.4	41.5	7.6	7.0	12.8
27001	21	11 9 48	65.8	31	304 00	13.6	10 80	51.4	1.4	75	34.6	52.6	21.5	12.0	12.0	27.7
27001	22	3 10 68	37.6	25	87 40	4.6	21 70	0.0	3.9	128	8.1	21.5	23.2	7.5	9.3	29.3
27001	25	1 11 48	51.6	16	228 00	9.1	31 90	0.0	22.0	147	23.0	75.2	24.8	7.3	11.5	21.8
27010	1	17 7 40	68.9	31	19 50	4.7	0 51	31.2	12.3	106	48.2	70.0	33.8	4.0	5.5	21.9
27010	4	22 7 50	36.3	28	12 80	2.6	0 34	97.3	1.0	28	15.4	42.4	55.6	4.6	4.4	11.2
27010	15	1 5 46	17.1	7	3 86	3.5	0 36	11.6	3.9	117	6.2	34.3	29.0	7.3	7.8	22.7
27010	18	7 67	23.8	2	4 35	2.7	0 30	34.3	3.7	94	3.2	13.4	57.0	4.3	4.7	10.1
27010	22	19 9 48	60.1	42	9 84	7.5	0 26	88.0	0.6	37	20.4	33.9	35.0	3.4	5.4	21.0
27010	23	3 10 68	39.4	42	5 99	4.9	0 46	49.0	5.2	81	11.3	28.7	34.0	4.3	7.0	18.7
27010	24	1 11 48	58.4	31	16 60	4.1	0 89	24.1	22.6	123	33.3	57.0	20.6	17.4	11.5	31.0
27020	1	24 11 43	28.5	31	30 00	8.9	1 99	0.0	1.8	126	9.7	34.0	21.7	9.3	10.6	30.0
27020	3	8 9 45	30.0	13	34 70	7.6	1 54	0.0	15.4	140	9.3	31.0	26.0	6.4	8.5	25.8
27020	4	8 12 45	44.2	40	54 90	9.6	3 28	0.1	3.4	128	23.7	53.6	23.5	5.3	9.2	28.9
27020	5	8 4 46	21.1	12	42 30	6.9	3 46	0.0	3.7	128	9.7	46.0	31.4	5.7	6.7	22.0
27020	6	5 3 47	33.4	26	26 10	6.2	1 40	0.0	0.8	121	7.1	21.3	27.4	4.2	7.2	26.2
27020	7	12 5 47	42.3	38	44 20	12.7	1 75	0.0	6.4	131	16.2	38.3	20.6	17.4	11.5	31.0
27020	8	14 7 48	40.4	20	35 30	12.3	0 57	29.3	3.6	99	10.6	26.2	20.6	17.4	11.5	31.0
27020	9	1 11 48	33.3	18	31 10	5.2	2 16	0.0	4.4	129	10.5	31.5	20.6	17.4	11.5	31.0
27027	1	7 1 45	15.0	14	129 00	6.1	15 40	0.0	6.1	131	9.3	62.0	33.9	2.6	6.6	19.6
27027	2	3 1 45	38.9	59	180 00	15.6	17 00	0.0	12.2	137	35.5	91.3	36.0	5.5	6.1	18.7
27027	4	16 4 45	13.8	21	71 30	2.0	15 70	0.0	3.4	128	4.3	31.2	36.0	5.5	6.1	18.7
27027	5	2 8 45	18.9	12	78 50	4.5	11 00	0.0	8.6	133	5.5	29.1	29.9	3.9	7.5	22.2
27027	6	3 8 45	17.6	14	87 30	4.7	13 00	0.0	21.8	146	6.0	34.1	34.0	3.0	6.6	19.5
27027	7	9 9 45	11.7	9	79 20	6.1	10 90	0.0	7.7	132	4.8	41.0	34.0	3.0	6.8	19.1
27027	8	24 9 45	52.0	49	154 00	10.5	11 70	2.0	1.5	124	23.8	45.8	20.6	4.0	11.9	30.2
27027	9	29 10 45	14.1	13	90 90	3.8	9 98	0.0	4.7	129	5.1	36.2	44.8	3.5	4.7	19.4
27027	10	3 10 45	45.8	45	196 00	8.8	13 50	0.0	14.2	139	36.7	80.1	30.2	4.3	7.6	21.6
27027	11	16 12 45	32.1	36	279 00	9.4	26 00	0.0	8.2	133	28.5	88.1	30.3	4.3	7.6	21.6
27027	12	4 2 46	18.6	15	164 00	7.8	24 60	0.0	4.4	129	14.8	90.3	30.5	4.7	7.5	21.7
27027	13	7 2 46	49.7	30	165 00	9.8	22 50	0.0	13.1	138	22.5	45.3	30.5	3.8	7.9	20.7
27027	14	26 6 46	21.3	21	80 60	5.1	16 40	0.0	6.7	131	7.9	37.1	36.0	3.6	6.7	17.5
27027	15	14 11 46	26.7	27	144 00	5.5	21 60	0.0	12.9	137	13.1	49.1	30.5	5.2	7.4	21.7
27027	18	17 12 46	37.3	23	194 00	8.7	19 50	0.1	1.4	126	28.5	76.4	27.2	4.1	9.2	22.5
27027	19	18 12 46	29.9	20	174 00	10.4	29 70	0.0	25.5	150	16.2	54.2	26.0	7.0	8.3	26.2
27027	20	16 10 47	61.0	23	311 00	11.5	31 10	0.0	18.5	143	35.5	57.4	18.6	5.3	10.7	38.4
27027	21	4 11 47	38.5	20	123 00	7.7	19 10	0.0	4.4	129	15.6	40.5	18.6	6.6	8.2	27.6
27027	22	18 3 48	47.1	33	224 00	10.7	22 40	0.0	11.9	136	39.4	83.7	25.3	6.6	8.2	27.6
27027	24	3 10 48	49.8	37	206 00	8.5	34 70	0.0	11.8	136	25.6	51.4	24.0	7.4	8.7	28.9
27027	25	1 11 48	34.6	21	171 00	9.9	51 00	0.0	33.7	158	14.3	41.3	28.0	6.3	8.2	23.3

Table 3.2

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	DURN (H)	PEAK FLOW (CUMEC/S)	LAG (H)	ANSE (CUMEC/S)	SMD (MM)	APIS (MM)	CWI (MM)	RUNOFF (MM)	X	UH PEAK (CUMEC/S PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT PEAK (H)	UH TIME BASE (H)
27027	26	30 1 69	36.9	25	159.00	7.3	12.90	0.0	1.7	126	20.8	56.6	24.4	5.7	7.4	30.8
27027	27	30 3 69	65.5	21	260.00	9.5	32.40	0.0	1.6	126	24.1	36.8	25.5	5.5	9.2	25.2
27034	1	14 8 67	21.7	14	141.00	8.6	13.00	0.0	7.9	132	11.4	52.5	24.6	9.0	8.8	27.6
27034	2	17 8 67	46.9	23	208.00	10.5	15.80	0.0	5.8	130	25.3	53.9	24.0	11.0	11.5	32.6
27034	3	13 10 67	43.6	42	202.00	8.7	22.00	0.0	4.6	129	28.2	64.7	24.0	7.2	8.9	28.5
27034	4	16 10 67	62.9	30	322.00	11.1	33.50	0.0	17.6	142	41.9	66.6	23.3	9.7	9.7	28.5
27034	5	22 12 67	41.7	31	212.00	10.7	15.70	0.0	1.4	126	26.9	64.5	22.0	12.0	9.5	31.5
27034	6	19 3 68	75.3	31	296.00	9.5	19.40	0.0	11.3	136	46.3	61.5	24.8	11.9	9.8	25.2
27034	7	22 3 68	88.5	43	379.00	10.5	22.80	0.0	11.9	136	66.5	75.1	19.5	11.8	13.0	31.0
27034	8	11 9 68	76.2	13	271.00	11.9	17.00	45.8	8.5	87	34.4	45.1	19.0	11.0	12.5	33.5
28016	5	1 11 68	38.8	17	16.80	27.9	3.23	0.0	3.6	128	10.0	25.8	7.5	27.5	33.6	81.1
28016	8	16 3 69	27.7	43	15.00	27.1	5.08	0.0	4.3	129	9.7	35.0	7.5	22.8	33.5	81.3
28016	9	16 11 69	30.2	20	15.90	23.5	3.09	2.6	5.0	127	8.6	28.5	8.8	17.3	27.5	71.4
28016	10	12 4 70	43.2	21	17.10	22.6	2.86	1.2	1.4	125	10.2	23.6	8.6	16.6	30.5	68.3
28023	1	8 12 65	43.9	23	36.50	11.2	11.20	0.0	8.0	133	14.8	33.7	17.0	7.6	11.8	61.8
28023	2	21 12 65	38.6	28	18.60	12.8	9.68	0.0	5.2	130	8.2	21.2	9.6	10.0	22.5	70.8
28023	3	28 12 65	29.8	15	14.60	10.4	6.86	0.3	0.1	124	4.3	14.4	12.6	12.3	20.5	47.3
28023	5	19 2 66	16.0	17	13.90	10.2	6.92	0.0	17.0	142	3.6	22.5	14.3	10.8	16.2	45.4
28023	6	26 6 66	33.5	21	8.68	4.6	3.31	0.1	8.9	133	2.3	6.9	24.0	8.6	11.0	24.3
28023	7	20 8 66	39.1	15	9.80	8.1	3.44	10.9	0.0	114	2.3	5.9	25.5	5.7	9.4	24.8
28023	8	14 9 66	40.7	22	15.50	7.0	4.33	0.0	7.1	132	3.9	9.4	22.8	5.8	6.8	35.2
28023	9	8 12 66	24.3	23	14.40	8.7	7.69	0.0	7.2	132	4.2	17.3	15.0	10.8	16.0	42.1
28023	10	3 10 67	21.2	14	10.50	7.4	4.03	0.0	11.2	136	1.8	8.3	23.0	8.6	10.0	28.7
28023	11	16 10 67	46.6	30	16.30	12.9	5.10	0.0	12.7	137	9.5	20.4	9.4	8.2	22.5	73.3
28026	1	4 11 67	29.1	23	40.00	24.0	2.57	0.0	3.5	128	14.2	48.8	9.6	31.0	24.2	67.4
28026	3	10 7 68	58.2	24	56.90	30.0	1.74	10.3	5.4	111	22.0	37.8	7.6	30.0	37.0	72.3
28026	4	1 11 68	30.1	19	44.00	26.1	1.68	0.0	4.9	129	14.3	47.5	8.4	27.2	33.0	66.4
28026	6	12 3 69	26.2	26	36.00	20.5	2.26	4.0	2.1	123	12.1	46.2	8.8	26.3	32.0	62.4
28026	7	5 5 69	39.8	13	56.60	18.0	3.44	0.3	1.0	116	15.5	38.9	10.0	19.4	27.0	57.2
28033	1	26 6 66	47.2	25	2.62	4.3	0.36	1.6	12.0	135	15.0	31.8	36.0	2.1	5.5	19.9
28033	2	28 7 66	27.4	15	1.59	3.2	0.07	13.2	4.1	115	2.9	10.4	68.0	2.2	2.8	10.8
28033	3	14 9 66	50.5	22	4.63	1.9	0.41	0.0	13.4	138	14.5	28.7	72.0	2.9	2.8	9.8
28033	4	3 10 66	14.3	7	2.11	2.7	0.17	0.0	11.1	136	2.7	18.9	90.0	2.2	2.5	7.4
28033	5	13 5 67	12.4	4	1.61	2.2	0.23	0.0	7.7	132	2.5	20.2	74.0	2.5	3.0	9.0
28033	6	14 5 67	15.4	19	1.83	2.3	0.47	0.0	17.1	142	4.8	31.2	68.0	2.1	2.5	11.4
28033	7	29 9 67	17.4	9	1.67	3.5	0.21	19.0	8.0	114	3.5	20.1	64.4	1.8	2.8	11.7
28033	8	3 10 67	24.7	15	3.47	4.5	0.46	0.0	13.6	138	6.4	25.9	56.0	2.7	3.0	13.9

Data used in unit hydrograph analysis

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	RAINFALL DURN (H)	PEAK FLOW (CUMECS)	LAG (H)	ANFS (CUMECS)	SMD (MM)	APIS (MM)	CWI (MM)	RUNOFF (MM)	X	UH PEAK (CUMECS PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT PEAK (H)	UH TIME BASE (H)
28801	2	1 12 37	64.5	33	5.88	5.2	0.46	0.0	2.8	127	23.0	35.7	31.5	2.4	7.7	19.9
28801	4	1 17 58	54.2	24	24.10	1.8	0.74	0.0	15.3	140	31.0	57.2	72.0	1.2	3.0	9.4
28801	5	9 10 61	27.9	13	3.22	3.0	0.22	70.7	5.3	59	7.3	26.2	56.2	1.2	4.3	11.2
28801	7	15 7 44	49.8	10	7.19	2.8	0.24	35.5	3.5	93	17.5	35.1	44.0	2.0	3.8	17.7
28801	8	11 12 64	57.0	44	6.14	7.2	0.20	24.4	3.6	104	44.0	77.2	33.8	2.6	7.3	18.3
28801	9	21 6 65	37.4	21	2.43	3.6	0.13	23.2	2.5	104	8.0	21.4	35.8	3.5	5.2	20.7
28801	10	7 9 65	38.7	40	5.45	2.5	0.28	0.5	9.7	134	15.0	38.8	50.0	1.6	3.8	14.6
28801	12	6 4 66	33.5	15	3.69	5.2	0.39	0.0	5.3	130	11.9	35.5	39.5	3.8	6.0	16.2
28801	13	20 8 66	48.2	17	1.69	5.2	0.14	32.0	0.0	93	6.6	13.7				
28801	14	14 5 67	54.1	32	2.82	6.6	0.20	0.0	9.2	134	10.9	20.1	34.8	4.7	6.3	19.4
28801	15	16 10 67	48.5	31	5.20	5.7	0.21	14.0	5.1	114	23.8	49.1	41.6	3.1	3.4	19.9
28801	17	19 12 68	15.8	12	2.74	8.3	0.24	0.0	6.4	131	12.2	77.2	30.3	6.6	6.6	23.5
28801	18	5 5 69	27.0	13	4.21	5.7	0.23	2.8	0.8	123	14.2	52.6	38.0	3.5	6.3	16.7
28802	2	6 8 64	12.4	6	6.87	0.8	0.26	101.7	0.0	23	0.9	7.3	199.0	0.8	0.7	4.2
28802	3	17 6 65	12.1	4	6.33	1.3	0.29	45.9	4.5	83	0.8	6.6	240.0	0.7	0.9	2.8
28802	6	14 7 68	50.2	16	10.60	2.7	0.81	15.4	5.8	115	9.7	19.3	47.8	0.5	2.4	18.5
28802	7	1 9 68	17.6	5	7.29	1.3	0.20	34.3	1.5	92	1.1	6.2	268.0	0.8	0.9	2.3
28802	8	10 9 68	16.5	14	7.24	0.9	0.22	32.1	0.0	92	1.3	7.9	208.0	1.6	1.2	2.9
28802	10	14 6 69	14.4	9	7.15	1.0	0.14	35.8	0.0	89	1.0	6.9	350.0	0.8	0.7	1.8
28802	11	27 7 69	49.3	16	9.45	1.0	0.43	95.5	1.8	31	4.7	9.5	180.0	1.0	0.8	4.4
28802	12	12 9 69	9.3	6	5.01	0.7	0.23	73.3	7.3	58	0.6	6.5	262.0	0.8	1.0	2.2
29001	2	21 4 62	16.0	11	1.25	11.9	0.34	1.8	2.2	125	0.5	3.1	17.8	7.7	12.8	36.9
29001	4	17 8 63	44.4	27	1.47	10.4	0.25	54.5	2.8	133	1.0	2.3	15.2	12.0	16.5	40.2
29001	5	28 11 65	32.6	14	2.51	7.8	0.56	0.0	5.2	130	1.1	3.4	19.2	5.6	12.6	32.7
29001	6	26 10 66	19.7	18	0.81	6.9	0.21	11.6	2.3	115	0.3	1.5	22.4	5.1	10.2	29.2
29001	7	27 2 67	17.8	19	1.13	5.7	0.42	1.2	2.3	126	0.4	2.2	20.0	12.0	12.6	30.4
29001	8	10 7 68	60.4	24	1.09	8.3	0.17	70.8	2.5	56	0.6	1.0				
29001	9	1 11 68	53.8	34	3.70	3.8	0.83	0.0	6.7	131	1.8	3.3	23.0	5.0	9.3	29.7
29003	2	14 5 67	28.7	26	2.51	5.5	0.43	10.4	10.5	125	2.1	7.3	29.0	4.5	6.8	24.7
29003	3	27 5 67	14.8	9	1.85	4.0	0.44	0.0	5.9	130	0.7	4.7	41.2	5.0	5.7	15.6
29003	4	10 7 68	90.0	25	5.32	8.8	0.23	60.0	2.2	67	4.4	4.9	30.5	7.2	7.9	20.7
29003	5	1 11 68	41.1	22	7.29	9.1	0.80	0.0	8.0	133	6.8	16.5	27.0	7.8	9.4	22.4
29003	6	12 3 69	25.4	20	3.90	6.8	1.25	6.0	0.2	119	2.2	8.7	32.0	3.5	5.6	23.5
29003	7	12 4 70	35.8	18	3.71	3.3	0.96	3.0	1.0	123	2.2	6.1	36.0	3.5	5.0	20.9
29003	8	26 5 20	117.0	5	152.00	1.5	1.00	20.0	5.0	110	26.8	21.2				
30001	1	29 10 60	17.6	14	16.80	22.7	4.78	0.0	4.0	129	5.3	30.1	9.0	21.2	29.4	64.8
30001	2	3 12 60	35.2	20	29.10	32.8	4.99	0.0	0.3	125	13.2	37.5	9.0	19.7	25.5	72.6
30001	3	18 12 60	55.9	47	23.90	17.2	4.63	0.0	0.2	125	9.6	26.7	10.0	18.8	24.8	61.6
30001	4	28 11 65	25.9	14	17.30	20.8	3.41	0.0	3.1	128	5.9	22.8	10.0	19.0	19.6	72.0
30001	5	9 12 65	20.2	18	18.70	22.1	4.93	0.0	6.0	131	6.5	32.2	9.2	19.0	24.6	71.7
30001	6	18 12 65	16.7	18	16.80	19.4	7.90	0.0	5.8	130	2.9	17.4	12.6	20.2	20.5	47.3

Table 3.2

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	DURN (H)	PEAK FLOW (CUMEC)	LAG (H)	ANF (CUMEC)	SMD (MM)	API5 (MM)	CHI (MM)	RUNOFF (MM)	X	UM PEAK (CUMEC) PER 100 SQ. KM.	TIME TO PEAK (H)	WIDTH AT PEAK (H)	UM TIME BASE (H)
32001	8	1 11 68	36.5	19	26.40	26.8	2.90	0.0	7.8	132	11.7	32.1	8.7	18.9	27.1	73.6
32001	9	5 5 69	27.7	10	19.30	22.4	2.26	11.4	1.2	114	6.0	21.7	10.6	21.0	19.7	65.5
31006	1	13 5 67	48.2	53	13.20	23.5	1.20	0.0	5.9	130	11.5	23.9	12.5	17.8	19.0	51.0
31006	2	10 7 68	68.2	47	18.40	27.3	0.73	67.9	4.4	61	10.9	16.0	11.8	26.5	20.0	54.2
31006	4	1 11 68	27.6	19	14.70	27.1	1.86	0.0	9.0	134	6.6	23.9	14.5	20.4	14.0	48.7
31006	5	26 11 68	15.7	18	9.54	17.4	1.63	2.4	2.7	125	3.7	23.6	16.0	14.0	11.5	46.5
31006	7	12 3 69	31.1	52	12.90	19.4	2.33	2.3	4.1	126	6.8	21.9	13.5	17.5	13.5	55.4
31006	8	5 5 69	42.8	19	22.90	19.0	1.28	20.0	0.4	105	9.2	21.5	16.0	14.5	15.5	38.5
32801	1	13 10 66	19.4	9	1.60	5.4	0.19	4.8	7.8	127	6.0	30.9	37.8	4.2	5.7	18.0
32801	2	1 12 66	9.2	10	1.14	2.6	0.28	0.0	6.8	131	3.9	42.4	40.0	5.0	6.9	14.0
32801	3	9 12 66	21.8	16	2.51	0.3	0.19	0.0	5.2	130	14.5	66.5	30.0	5.3	7.4	22.3
32801	5	9 7 68	71.9	26	2.92	0.3	0.06	25.2	1.7	101	19.5	27.1	26.0	6.5	9.2	24.4
32801	6	1 11 68	29.2	16	3.06	5.2	0.16	0.0	4.7	129	13.1	44.9	38.4	4.0	5.0	19.0
32801	7	15 1 69	9.7	7	1.21	2.1	0.24	0.0	2.7	127	3.2	33.0	71.2	2.5	3.0	9.6
32801	8	12 3 69	29.8	30	2.27	7.6	0.11	1.0	6.5	130	16.1	54.0	28.5	6.2	8.4	22.2
32801	9	5 5 69	30.4	13	1.25	4.8	0.09	30.1	0.1	94	4.8	15.8	39.0	3.6	5.4	17.7
32801	10	30 5 69	26.7	13	4.27	4.3	0.16	1.6	3.8	127	12.7	47.6	52.4	3.0	4.3	12.6
33014	1	27 2 61	17.7	31	7.21	22.3	2.23	0.4	1.9	126	3.0	16.9	8.9	24.5	26.0	72.9
33014	3	20 1 62	12.6	34	6.16	16.3	1.90	0.0	2.0	127	1.9	15.1	10.4	14.0	24.7	57.5
33014	4	13 3 64	36.8	33	7.45	38.3	0.90	5.5	0.5	120	3.5	9.5	9.0	29.0	24.0	63.2
33014	5	8 12 65	16.9	25	7.10	27.9	1.14	0.0	2.7	127	2.9	17.2	10.0	29.0	24.1	75.4
33014	6	30 12 66	10.8	11	6.05	18.9	1.60	0.0	1.9	126	1.8	16.7	8.6	31.0	27.0	75.3
33014	7	5 11 67	17.8	14	6.11	25.0	2.17	23.2	11.8	113	1.4	7.9	11.0	25.4	26.0	49.1
33014	10	15 9 68	66.5	31	21.70	43.0	0.68	16.1	5.2	114	13.7	20.4	6.8	39.0	41.0	81.8
33014	11	17 12 68	13.0	12	6.78	22.8	1.15	0.0	4.4	129	2.5	19.2	8.9	22.0	25.5	73.9
33014	12	22 1 69	11.6	8	8.95	20.6	2.96	0.0	2.8	127	2.2	10.0	11.3	21.6	21.1	56.2
33014	14	11 3 69	24.2	39	11.20	27.4	1.94	12.3	3.9	116	5.3	21.9	8.0	26.0	32.0	75.0
33014	15	5 5 69	33.7	10	8.94	20.3	1.96	6.3	0.0	118	2.9	8.6	10.0	18.5	16.0	79.2
33015	7	17 11 63	46.9	93	16.20	20.0	1.07	46.7	0.8	79	11.3	24.1	7.0	23.5	41.0	76.9
33015	8	28 11 63	18.6	21	12.10	17.8	1.96	9.2	1.3	117	5.8	31.2	8.7	14.2	27.0	73.8
33015	11	24 9 65	41.0	43	11.20	28.8	0.62	48.2	0.4	77	7.6	18.5	6.7	33.2	37.5	91.0
33015	13	22 12 65	15.9	48	14.40	16.6	3.15	0.0	1.4	126	6.0	37.7	8.7	13.5	30.0	67.8
33015	16	1 10 66	28.8	54	14.80	26.4	3.44	12.0	18.2	131	10.2	35.4	6.6	24.0	33.0	102.5
33015	17	13 10 66	27.6	20	14.60	19.2	2.34	0.1	1.6	126	8.7	31.5	7.0	18.0	30.0	98.9
33015	18	9 12 66	15.4	9	16.20	21.1	3.01	0.0	2.4	127	6.8	44.2	8.0	15.8	35.0	69.0
33015	19	27 2 67	16.0	17	14.70	18.0	2.50	0.0	3.5	128	6.3	39.4	8.5	15.0	32.0	66.8
33015	21	9 7 68	53.5	27	23.30	22.6	0.69	55.6	3.9	73	9.8	18.3	9.0	19.5	30.0	63.6
33015	22	14 9 68	51.7	43	23.30	35.5	0.98	30.4	0.8	95	16.7	32.3	10.2	13.0	26.0	57.0
33015	23	1 11 68	15.3	11	16.40	16.6	2.59	0.0	2.6	127	5.5	35.9	10.2	13.0	26.0	57.0

Data used in unit hydrograph analysis

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	DURN (H)	PEAK FLOW (CUMEC/S)	LAG (H)	ANSF (CUMEC/S)	SMD (MM)	APIS (MM)	CWT (MM)	RUNOFF (MM)	X	UH PEAK (CUMEC/S PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT 0.5 PEAK (H)	UH TIME BASE (H)
33024	3	8 12 65	16.4	29	6.94	26.6	0.82	5.8	1.6	120	3.0	18.3	11.6	16.6	21.0	93.9
33024	4	9 12 66	20.7	17	7.71	25.2	1.36	0.0	2.8	127	3.9	18.8	10.0	23.0	21.5	68.2
33024	6	16 12 68	18.3	14	8.53	21.3	1.23	0.0	5.0	130	3.3	18.0	12.7	25.0	21.0	45.6
33024	7	11 3 69	24.1	42	10.20	31.3	1.91	0.4	4.2	128	5.4	22.4	10.6	21.4	23.4	58.1
33029	1	8 12 65	25.7	39	3.53	10.2	0.97	0.2	3.4	128	2.8	10.9	12.0	6.0	21.0	50.7
33029	2	10 2 66	19.6	16	3.70	10.9	1.77	0.0	9.4	134	2.3	11.7	13.0	8.4	20.0	45.5
33029	3	29 8 66	51.6	29	1.90	14.9	0.08	61.7	1.2	64	1.6	3.1	13.2	9.6	18.7	46.8
33029	4	27 5 67	23.7	10	2.81	8.4	0.65	11.8	3.3	116	1.9	8.0	14.5	8.5	19.0	38.7
33029	5	3 11 67	31.4	50	2.07	13.7	0.24	37.5	6.8	94	2.1	6.7	12.0	6.8	19.2	54.3
33029	6	13 7 68	14.4	15	1.50	7.6	0.29	20.8	6.4	110	1.1	7.6	14.5	10.3	18.3	40.1
33029	7	15 9 68	40.5	43	4.12	25.5	0.17	8.0	3.1	120	7.6	18.8	18.1	5.8	13.6	34.2
33029	8	5 5 69	20.9	9	2.04	8.0	0.60	12.0	0.0	113	1.1	5.3				
33045	2	5 11 67	14.9	13	0.84	18.6	0.33	27.8	10.2	112	1.9	12.8	9.7	20.3	24.7	65.2
33045	4	6 8 68	47.5	46	0.46	17.6	0.09	31.3	2.9	96	2.2	4.6	8.4	13.3	30.0	72.6
33045	5	15 9 68	83.6	34	3.39	21.3	0.52	16.3	3.9	112	23.1	27.6	6.5	16.3	36.5	98.1
33045	6	20 12 68	15.9	35	0.97	15.1	0.41	0.0	3.4	128	4.2	26.4	10.3	11.3	19.0	70.0
33045	11	22 1 71	21.3	21	1.16	23.3	0.37	0.0	5.9	130	5.5	25.8	6.4	19.0	40.0	93.8
33045	12	26 1 72	30.9	38	1.33	19.6	0.39	0.0	5.3	130	6.5	21.0	7.5	24.5	22.1	104.1
33809	12	13 5 67	30.8	44	8.59	13.9	0.19	5.1	7.1	127	15.6	50.6	12.5	16.0	19.0	51.0
33809	14	9 7 68	83.2	51	10.10	32.3	0.03	49.6	4.4	79	26.3	31.6	9.0	18.6	27.0	69.4
33809	15	13 7 68	21.6	28	5.87	18.3	0.30	0.4	17.2	141	10.7	49.5	9.8	13.6	25.0	63.5
33809	16	7 8 68	40.4	31	16.10	18.8	1.58	18.4	6.0	112	30.9	76.5	8.8	16.4	25.5	75.4
33809	17	15 9 68	34.9	32	8.24	22.6	0.10	3.3	1.5	123	17.7	50.7				
33809	18	1 11 68	22.1	21	6.35	16.6	0.19	0.3	4.1	128	9.9	44.8	12.0	19.0	22.0	48.7
33809	19	15 1 69	26.7	48	11.00	18.5	0.41	0.0	4.5	129	19.1	71.5	11.2	16.5	20.6	58.1
33809	21	17 5 69	21.8	32	7.28	11.4	0.50	4.0	5.2	126	10.4	47.7	15.2	19.0	21.5	30.2
34003	1	8 12 65	34.4	32	8.23	23.2	1.70	0.0	4.3	129	5.5	16.0				
34003	3	11 5 67	17.9	19	6.54	12.3	1.12	13.0	0.2	112	1.7	9.5	24.2	6.7	9.3	27.4
34003	4	15 9 68	60.9	43	9.27	28.8	1.12	3.7	2.0	123	8.2	13.5	7.0	32.6	37.0	84.9
34003	5	11 3 69	22.9	38	4.55	16.9	1.62	4.1	0.0	120	2.1	9.2	10.5	11.8	20.5	64.9
34003	6	14 4 69	21.3	27	4.59	18.5	1.37	1.6	5.1	128	2.1	9.9	12.5	9.2	15.0	59.0
34003	8	14 12 69	9.1	21	4.69	9.7	2.66	0.0	7.3	132	1.1	12.1	25.0	8.8	9.1	26.3
34003	9	12 4 70	18.6	16	5.30	11.3	1.70	4.5	0.1	120	1.7	9.1	15.3	9.6	14.6	43.5
34003	10	14 11 70	33.5	19	5.02	12.3	1.00	57.6	4.3	71	2.1	6.3	14.6	10.6	16.4	43.4
34003	11	22 1 71	29.0	23	9.27	19.0	1.70	0.0	7.1	132	4.5	15.1	13.0	14.3	17.8	49.9
34003	12	26 1 72	30.6	32	8.16	19.2	1.37	0.0	5.1	130	5.6	18.3	10.5	18.2	20.5	64.9

Table 3.2

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL		PEAK FLOW (CUMECs)	LAG (H)	ANSF (CUMECs)	SMD (MM)	APIS (MM)	CWI (MM)	RUNOFF (MM)	X	UH PEAK (CUMECs PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT PEAK (M)	UH TIME RISE (H)
			TOTAL (MM)	DURN (H)												
34005	2	8 12 65	36.1	38	4 96	26.7	0.74	0.1	2.4	127	9.1	25.2	6.7	23.0	42.5	81.0
34005	3	7 2 66	24.1	29	3 26	27.1	0.43	0.0	4.1	129	5.6	23.2	8.5	23.0	28.2	74.4
34005	4	18 2 66	27.1	38	3 30	23.5	0.37	1.1	0.1	124	7.7	28.4	7.8	45.2	34.5	73.6
34005	6	15 6 68	62.1	42	3 95	37.0	0.27	3.7	2.4	123	11.6	18.7				
34005	8	12 3 69	22.7	21	2 92	16.2	0.67	2.9	2.3	124	4.2	18.5	9.3	20.8	29.5	60.6
34005	9	22 1 71	28.7	22	4 02	25.0	0.54	0.0	5.5	130	7.4	25.8	7.8	23.7	29.5	83.6
34005	10	26 1 72	33.0	33	3 53	31.3	0.28	0.0	5.2	130	7.0	21.2	8.2	38.2	29.1	77.4
34007	1	9 12 66	14.7	17	8 07	20.6	1.71	0.0	3.5	128	6.1	41.5	8.8	21.0	28.0	70.4
34007	2	23 12 66	11.6	22	4 58	9.7	1.15	0.0	0.5	125	2.7	23.3	11.3	16.0	27.0	44.4
34007	4	15 9 68	71.9	21	38 40	19.5	0.95	80.0	7.7	52	38.5	53.5	8.7	15.2	29.8	68.2
34007	5	20 12 68	21.3	44	7 42	19.9	1.11	5.6	2.3	121	9.1	42.7	8.8	11.4	25.6	75.2
34007	8	11 3 69	22.0	41	10 80	26.2	0.84	3.5	1.4	122	12.1	55.0	8.8	20.2	24.7	77.0
34007	9	5 5 69	27.2	17	10 30	17.2	0.68	6.3	0.5	119	8.2	30.1	11.0	17.2	19.6	61.9
34011	1	16 11 66	21.2	14	3 20	15.4	1.17	0.0	6.8	131	1.8	8.5	12.0	13.2	16.6	59.5
34011	2	23 2 67	17.3	16	3 13	13.0	1.29	0.0	0.9	125	1.5	8.7	12.0	10.2	20.0	52.7
34011	3	27 5 67	20.2	11	4 55	9.0	1.29	0.5	2.5	127	2.3	11.4	14.8	9.0	17.1	40.9
34011	6	15 9 68	48.9	43	4 54	29.0	0.83	3.7	4.0	126	7.4	15.1	5.5	42.6	45.5	111.2
34011	7	22 1 71	33.8	22	9 95	19.9	2.26	0.0	2.3	127	9.3	27.5	9.0	14.5	24.1	75.4
35008	1	9 12 66	15.3	19	11 70	10.2	1.66	0.0	3.5	128	6.4	41.8	15.6	10.6	14.0	43.3
35008	3	30 12 66	11.7	11	6 63	10.5	1.04	0.0	2.9	127	3.6	30.8	15.0	13.0	16.0	42.1
35008	4	5 11 67	15.3	13	9 10	9.0	1.48	30.6	11.7	106	3.6	23.5	18.0	8.4	14.5	32.8
35008	7	14 9 68	60.3	93	23 80	13.4	0.59	55.8	4.7	73	22.5	37.3	11.4	17.0	20.8	55.9
35008	8	1 11 68	12.3	7	11 00	9.1	1.49	22.0	4.8	107	4.6	37.4	17.6	8.4	14.3	54.6
35008	9	17 12 68	12.4	34	7 10	9.5	0.93	10.4	4.5	119	3.7	29.8	15.4	8.2	15.0	42.2
35008	12	11 3 69	25.9	40	18 90	13.9	0.96	3.5	3.8	125	15.7	60.6	14.3	8.2	15.9	46.0
35008	13	5 5 69	34.2	10	20 50	10.7	0.78	19.1	0.2	106	11.0	32.2	16.4	9.0	15.0	37.8
35008	14	26 1 72	21.0	26	21 80	15.5	1.62	0.0	0.7	125	15.7	74.8	16.0	11.1	14.5	40.5
36008	1	20 1 62	18.9	33	12 60	27.4	2.12	0.6	2.6	127	7.2	38.1	9.8	28.0	24.4	64.7
36008	2	4 4 62	17.8	33	10 50	24.7	0.76	0.0	4.4	129	6.4	36.0	8.4	17.8	28.0	76.4
36008	4	30 4 63	16.5	16	9 31	19.3	0.92	14.5	5.4	114	4.4	26.7	10.8	20.5	21.0	61.0
36008	5	17 11 63	40.8	50	20 80	32.9	0.43	49.6	0.3	75	18.4	45.1	6.8	31.0	40.0	83.5
36008	6	13 3 64	38.9	45	22 00	25.5	0.78	10.8	1.7	115	18.1	46.5	6.8	29.4	35.5	92.5
36008	7	8 12 65	17.7	31	14 00	26.1	1.48	31.1	1.5	95	8.7	49.2	8.0	15.5	41.0	57.0
36008	8	15 12 65	21.1	49	14 60	12.2	4.61	19.1	0.9	106	8.4	39.8	9.4	17.4	40.0	38.3
36008	9	9 12 66	16.1	20	12 50	25.9	1.59	8.4	3.3	119	7.0	43.5	7.9	25.6	30.0	80.8
36008	10	30 12 66	11.0	10	11 20	17.8	2.49	0.0	3.1	128	5.0	45.5	8.7	18.8	30.0	67.8
36008	14	16 12 68	14.2	14	13 10	20.6	1.16	7.0	2.7	120	6.8	47.9	9.3	20.0	26.0	67.4
36008	17	11 3 69	28.5	42	23 70	26.2	0.88	0.0	4.3	129	17.0	59.6	9.4	29.2	26.0	67.1
36008	18	5 5 69	27.4	11	13 30	12.3	1.19	38.4	0.0	86	5.4	19.7	11.3	12.5	26.0	46.4

Data used in unit hydrograph analysis

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL		PEAK FLOW (CUMECs)	LAG (H)	ANSF (CUMECs)	SMD (MM)	APIs (MM)	CWI (MM)	RUNOFF (MM)	X	UH PEAK (CUMECs PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT PEAK (H)	UH TIME BASE (H)
			TOTAL (MM)	DURN (H)												
37001	1	19 9 60	22.5	32	21 10	15.4	1.50	37.7	6.4	93	8.7	38.7	8.0	33.0	34.6	69.8
37001	2	5 12 60	22.9	22	37 30	29.6	0.0	0.0	5.3	130	13.2	57.6	7.0	32.4	37.8	83.3
37001	3	27 2 61	21.1	35	20 10	22.8	2.13	0.0	6.3	131	9.5	45.0	9.1	24.0	30.5	61.2
37001	4	21 1 62	18.2	49	25 50	18.3	6.33	0.0	8.4	133	9.6	52.7	8.3	35.0	28.5	77.0
37001	5	9 3 63	11.6	22	13 50	32.3	2.64	7.5	2.0	119	4.7	40.5	8.3	28.0	35.6	62.8
37001	6	17 11 63	41.1	43	27 50	25.1	1.38	20.4	1.8	106	20.2	49.1	8.0	35.0	29.0	81.0
37001	9	2 9 65	43.2	26	8 21	16.1	0.40	84.8	1.1	41	3.9	9.0	8.2	26.5	29.8	76.0
37001	10	3 12 65	21.9	29	24 50	25.9	2.78	0.2	1.9	124	10.0	45.7	8.0	23.0	31.5	71.0
37001	12	17 4 66	27.7	45	23 10	25.8	2.64	3.0	4.9	126	13.5	48.7	8.0	11.2	35.6	73.2
37001	13	27 2 67	15.6	25	20 30	23.4	2.95	0.0	5.0	130	8.8	56.4	10.3	18.0	28.7	96.1
37003	1	13 3 64	45.4	46	7 23	23.0	0.24	6.3	0.6	119	13.8	30.4	8.3	23.0	31.5	71.0
37003	2	2 9 65	54.5	25	2 40	20.7	0.05	75.2	0.8	50	4.2	7.7	7.7	11.2	35.6	73.2
37003	3	8 12 65	18.5	27	5 32	21.6	0.52	0.0	2.4	127	7.4	40.0	9.8	18.0	28.7	96.1
37003	4	18 4 66	21.8	40	5 01	24.0	0.43	3.3	4.2	125	8.3	38.1	10.3	18.4	22.2	63.6
37003	9	11 3 69	27.0	83	9 27	13.8	1.73	0.0	8.2	133	14.7	52.7	10.6	17.6	24.0	56.9
37007	1	2 9 65	59.3	25	7 90	20.0	0.05	100.0	0.5	25	5.9	9.9	11.3	15.8	21.0	56.4
37007	2	8 12 65	21.4	28	16 50	17.6	1.34	0.0	2.2	127	10.0	46.7	15.0	9.7	17.3	39.9
37007	3	9 2 66	13.0	26	11 30	14.8	1.93	0.0	3.3	128	6.3	48.5	13.6	12.5	17.5	46.8
37007	4	17 4 66	31.5	45	16 90	15.8	1.96	2.8	4.7	126	15.8	50.2	14.0	12.5	18.5	42.4
37007	6	28 12 66	11.6	10	10 90	12.9	2.01	0.0	3.1	128	5.4	46.6	15.0	9.5	17.0	40.1
37007	7	27 2 67	18.0	23	13 10	15.2	1.41	0.0	4.7	129	7.8	43.3	13.6	15.0	18.5	44.8
37007	10	16 12 68	21.8	43	29 60	13.3	1.16	0.0	4.4	129	15.3	70.2	15.0	17.0	16.5	41.1
37007	12	13 3 69	19.4	40	12 30	12.2	0.79	6.3	0.0	118	6.3	32.5	14.8	15.0	15.5	64.1
37008	1	8 12 65	19.1	27	13 60	26.4	1.58	0.0	2.1	127	6.3	33.0	12.2	22.7	21.8	47.5
37008	4	14 9 68	42.5	56	14 80	28.6	1.86	47.4	5.9	83	10.6	24.9	9.5	25.8	26.5	64.1
37008	5	16 12 68	22.4	35	19 80	32.8	1.94	0.0	6.8	131	12.2	54.5	11.8	27.0	25.3	43.6
37008	6	11 3 69	26.4	65	29 30	28.7	4.60	0.0	7.4	132	16.6	62.9	11.8	7.0	8.0	23.3
37A07	2	22 10 66	18.0	9	5 62	7.3	0.22	54.0	5.7	76	2.7	15.0	28.3	7.0	8.0	23.3
37A07	3	5 12 66	10.5	14	4 61	5.9	0.32	4.2	0.9	121	2.2	21.0	30.0	5.0	6.8	23.5
37A07	4	9 12 66	15.8	16	7 76	4.9	0.69	1.4	2.3	125	4.6	29.1	30.0	5.3	9.0	19.1
37A07	5	25 12 66	11.1	9	7 27	4.6	0.98	0.0	3.3	128	3.5	31.5	29.0	8.0	9.0	20.3
37A07	6	20 2 67	11.3	19	6 48	5.9	0.46	0.0	3.7	128	3.5	31.0	25.7	4.6	7.8	27.7
37A07	7	27 2 67	12.5	17	8 16	4.9	0.65	0.0	4.8	129	4.0	32.0	33.7	4.5	7.0	19.0
37A07	8	6 4 67	19.0	10	5 84	6.3	0.23	14.5	1.4	111	2.5	12.4	33.0	6.1	6.8	20.1
37A07	11	18 17 67	18.4	43	7 45	7.1	0.29	9.6	0.4	115	4.4	23.9	28.0	7.0	8.0	23.7
37A07	13	8 8 68	13.0	9	4 76	7.6	0.20	77.5	9.9	57	2.6	20.0	25.5	8.8	11.0	21.6

Table 3.2

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	DURN (H)	PEAK FLOW (CUMEC/S)	LAG (H)	ANSF (CUMEC/S)	SMD (MM)	APIS (MM)	CWI (MM)	RUNOFF (MM)	X	UH PEAK (CUMEC/S PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT PEAK (M)	UH TIME BASE (H)
38003	1	2 5 61	8.4	6	1 64	4.3	0.98	3.9	1.9	123	0.1	1.2	45.0	4.5	5.2	14.9
38003	2	12 6 61	27.6	19	1 65	9.9	0.77	79.7	0.0	45	0.2	0.7	36.0	5.0	5.9	19.1
38003	3	6 7 63	25.7	10	1 69	5.9	0.52	33.3	2.6	94	0.3	1.2	48.0	4.8	4.8	13.6
38003	4	21 7 64	7.5	6	1 74	4.3	0.51	53.0	0.5	72	0.2	2.7	58.0	2.7	4.3	10.6
38003	6	25 6 67	50.0	5	2 56	4.5	0.72	49.7	11.4	86	0.3	1.0	49.6	5.0	5.0	12.4
38003	7	22 7 67	26.5	18	2 18	2.7	0.64	89.6	0.2	35	0.2	0.8	59.2	1.5	4.0	10.8
38003	8	15 9 68	63.6	18	3 61	3.4	0.66	36.2	8.1	96	1.0	1.6				
38007	1	26 6 58	39.1	24	10 30	5.5	0.32	10.6	7.9	122	18.7	47.8	40.3	3.8	5.0	17.6
38007	2	1 7 58	36.1	30	14 00	5.5	0.26	5.9	2.8	121	20.4	56.5	34.2	5.0	6.8	18.9
38007	3	19 9 60	21.4	15	8 57	3.0	0.25	43.8	6.2	87	11.7	54.7	46.8	4.2	4.8	14.9
38007	4	8 10 60	18.6	11	6 27	3.9	0.50	9.6	6.0	121	8.7	46.8	44.7	4.0	5.0	14.9
38007	5	30 10 60	14.2	6	7 31	3.2	0.76	0.0	14.5	139	6.6	46.5	55.6	3.0	4.4	11.2
38007	6	25 11 60	15.9	8	6 42	4.1	0.64	0.0	7.4	132	8.4	52.8	44.4	5.8	4.4	16.2
38007	7	13 12 60	13.6	9	10 00	4.9	0.96	0.0	7.4	132	10.2	75.0	53.4	3.3	5.3	10.2
38007	9	13 7 62	13.3	6	2 76	4.0	0.24	102.7	3.5	25	1.7	12.8	64.1	3.0	3.3	10.7
38007	11	31 8 63	15.1	9	2 25	2.1	0.07	59.3	2.0	67	1.2	7.9	69.8	2.5	2.7	10.5
38007	12	18 11 63	8.2	7	3 99	1.8	1.13	0.0	18.4	143	2.8	34.1	55.0	2.2	4.3	11.6
38007	14	21 7 64	39.4	4	8 24	2.3	0.32	64.4	1.8	62	6.3	16.0	70.6	2.5	3.5	8.8
38007	15	19 7 65	22.6	8	5 89	2.1	0.22	78.5	0.8	47	2.3	10.2	91.0	2.0	2.6	7.0
38007	16	17 11 65	12.3	11	3 84	2.6	0.33	24.4	4.8	105	2.8	22.8	64.8	2.8	3.7	9.8
38007	18	22 6 66	33.5	6	8 08	1.9	0.35	71.9	0.8	53	4.3	12.8	83.0	1.6	2.7	8.0
38007	19	27 2 67	14.4	12	4 34	5.6	0.43	0.0	5.2	130	8.2	56.9	50.6	3.1	5.7	26.9
38007	20	25 6 67	25.6	5	4 37	1.7	0.20	57.7	3.2	70	2.7	10.5	78.8	2.0	3.2	7.7
38007	22	13 7 68	25.8	7	7 60	3.1	0.25	64.8	2.5	62	5.1	19.8	60.1	3.5	4.0	10.5
38007	23	7 10 68	21.1	22	6 27	4.7	0.20	7.9	0.1	117	7.6	36.0	37.3	3.0	6.0	17.7
38007	24	23 10 68	15.1	8	4 85	2.0	0.40	15.1	1.0	110	2.9	19.2	61.2	1.7	3.6	11.0
39004	6	16 6 65	12.1	9	1 53	1.7	0.01	69.8	0.9	56	0.1	0.8	164.0	1.5	1.6	3.6
39004	7	7 7 65	19.0	11	1 88	1.7	0.03	84.5	0.1	38	0.1	0.5				
39004	8	22 7 65	16.3	12	1 62	1.7	0.01	83.8	6.0	47	0.2	1.2	92.0	2.6	2.6	6.9
39004	9	2 9 65	19.8	10	2 37	0.4	0.08	95.5	3.1	32	0.1	0.5	174.0	1.3	1.5	3.4
39004	10	3 9 65	60.4	14	3 72	2.2	0.08	82.7	18.8	61	0.8	1.3	69.0	1.8	3.5	9.1
39004	11	19 11 65	19.6	13	2 02	2.4	0.01	4.9	3.8	123	0.2	1.0	111.0	2.2	2.1	5.8
39004	12	28 11 65	28.8	18	2 47	3.6	0.01	0.0	1.9	126	0.4	1.4	95.0	2.0	2.2	7.9
39004	13	22 6 66	30.5	18	3 07	2.0	0.12	70.1	1.7	47	0.3	1.0	115.0	1.2	1.8	6.1
39004	14	25 6 67	34.9	7	3 84	1.2	0.29	50.2	13.6	88	0.5	0.9	128.0	1.3	2.2	4.3
39004	15	22 7 67	22.4	7	2 96	0.9	0.25	87.9	0.7	37	0.3	1.3	120.0	2.0	2.2	4.9
39004	16	11 4 68	23.6	12	2 84	1.4	0.19	1.5	11.1	134	0.4	1.7	88.8	1.8	2.4	7.7
39004	17	17 4 68	10.2	2	3 06	0.8	0.25	8.0	2.4	119	0.1	1.0	182.0	1.2	1.5	3.1
39004	18	4 5 68	15.0	9	2 65	2.0	0.18	4.7	1.4	121	0.2	1.3	125.0	1.9	1.7	5.5
39004	19	13 5 68	17.2	14	2 86	0.5	0.19	6.9	3.7	121	0.3	1.7	99.2	2.0	2.3	6.4
39004	20	13 7 68	19.9	6	3 52	1.8	0.15	31.6	3.7	97	0.2	1.0	121.0	1.9	1.9	5.4
39004	21	23 8 68	14.5	4	3 94	1.3	0.24	54.4	2.4	73	0.2	1.4	152.0	1.4	1.7	3.9
39004	22	14 9 68	136.0	12	5 75	3.8	0.28	38.0	6.4	93	2.1	1.5	57.2	2.4	3.2	13.0
39004	24	6 7 69	50.4	20	3 92	3.6	0.13	98.0	1.1	27	0.7	1.4				
39004	25	23 7 69	46.5	15	3 92	1.0	0.17	104.7	0.1	20	0.5	1.1	183.0	1.5	1.7	2.7

Data used in unit hydrograph analysis

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL		LAG (H)	ANSE (CUMECS)	SMD (MM)	APIS (MM)	CWI (MM)	RUNOFF (MM)	X	UH PEAK (CUMECS PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT 0.5 PEAK (H)	UH TIME BASE (H)
			TOTAL (MM)	MIN (H)											
39004	26	2 8 49	33.8	9	1.5	0.14	77.6	7.0	54	0.3	0.9	181.0	1.5	1.7	2.7
39004	27	5 8 70	19.9	5	2.2	0.14	130.8	2.2	5	0.4	2.0	100.0	1.3	1.9	7.3
39004	28	13 1 70	32.7	11	2.3	0.04	70.9	4.2	49	0.5	1.5	81.0	1.3	2.8	8.1
39005	2	25 7 42	28.3	12	3.9	0.34	103.7	3.8	25	3.9	13.8	83.0	3.1	2.8	7.8
39005	3	5 4 43	15.3	16	4.7	0.35	8.5	4.3	120	2.5	16.3	53.0	2.8	3.8	13.4
39005	4	5 9 43	13.5	6	4.9	0.35	76.2	10.5	59	1.9	14.1	68.0	3.9	3.2	10.0
39005	5	10 10 43	10.4	9	1.5	0.32	97.0	0.2	33	1.3	12.5	84.0	1.7	2.8	7.6
39005	6	17 11 43	11.7	7	3.4	0.52	30.4	1.6	96	2.7	23.1	59.0	2.3	3.7	11.4
39005	7	10 4 44	12.4	7	2.4	0.62	9.4	3.7	119	2.2	17.7	99.0	2.8	2.0	7.2
39005	8	20 4 44	20.6	18	3.5	0.90	0.0	7.4	132	7.1	34.5	50.3	3.3	3.7	16.7
39005	9	1 6 44	23.0	8	2.7	0.70	13.6	17.0	128	5.4	23.5	56.9	2.5	4.0	11.5
39005	10	13 6 44	9.5	2	2.8	0.65	0.0	9.2	134	3.0	31.6	70.2	2.5	3.2	9.4
39005	11	21 7 44	23.2	2	2.6	0.60	94.4	0.3	30	3.9	16.8	87.0	2.7	2.9	7.0
39005	14	22 6 46	27.0	7	4.7	0.81	79.1	0.8	46	3.9	14.4	58.2	4.5	3.8	11.5
39005	15	10 7 46	20.0	8	3.7	0.99	128.0	3.7	5	4.5	22.5	63.0	3.0	3.0	11.7
39005	16	29 8 46	35.0	10	1.6	1.40	94.6	3.3	33	5.9	16.9	57.0	1.8	4.9	9.7
39005	17	25 6 47	27.3	4	2.5	0.51	50.2	10.8	85	4.8	17.6	70.0	3.1	4.0	7.9
39005	18	13 8 47	21.4	9	3.3	0.44	97.7	2.6	29	3.7	17.3	71.0	3.8	3.2	9.3
39005	20	16 12 48	36.4	9	4.1	1.64	0.0	5.6	130	11.7	32.1	31.0	4.5	8.5	18.9
39005	21	6 7 49	41.4	20	5.7	0.29	100.0	0.0	25	8.0	19.3	52.4	4.7	4.5	12.2
39005	22	23 7 49	36.0	16	4.5	0.08	104.9	0.0	20	5.7	15.8	58.6	2.0	3.0	13.0
39012	1	7 8 49	31.7	4	2.2	1.20	88.4	0.2	36	4.2	13.2	57.6	3.1	4.5	10.3
39012	3	2 4 44	24.3	18	6.4	1.56	0.0	7.8	132	6.7	27.6	32.8	5.4	7.2	19.5
39012	4	31 5 44	23.4	9	2.1	1.45	9.2	9.8	125	3.1	13.2	48.4	4.2	5.3	12.4
39012	5	21 7 44	24.6	4	3.0	1.10	54.1	0.1	70	2.1	8.5	57.2	3.5	4.5	10.4
39012	6	5 9 45	39.8	12	4.0	1.25	93.0	16.9	48	5.4	13.6	34.0	4.3	6.8	19.1
39012	7	23 11 45	25.9	20	4.1	0.97	0.0	1.5	126	6.2	23.9	51.6	3.9	4.5	12.6
39012	8	22 4 46	28.9	9	4.6	1.15	67.0	3.3	61	2.8	9.7	36.9	4.0	6.0	18.1
39012	9	17 5 48	24.3	23	6.3	1.13	4.0	1.0	122	5.2	21.4	37.0	4.5	6.3	17.5
39012	10	14 9 48	102.0	33	5.0	1.42	62.0	2.2	65	20.7	20.3	37.0	4.5	6.3	17.5
39012	11	23 7 49	40.5	16	6.5	0.35	122.3	0.0	3	3.9	9.6	47.0	3.0	4.9	13.9
39012	12	2 8 49	31.5	10	3.4	0.86	77.6	4.4	51	3.9	12.4	47.0	3.0	4.9	13.9
39017	2	17 11 43	51.9	52	10.3	0.08	14.8	0.2	110	35.6	68.6	20.8	9.7	9.4	34.7
39017	3	28 11 43	15.9	23	7.2	0.19	0.1	0.9	125	8.9	56.0	21.2	9.0	9.8	32.9
39017	6	23 3 44	13.3	26	7.9	0.15	0.0	1.7	126	7.8	58.6	24.0	10.0	8.6	29.1
39017	8	18 4 44	12.4	27	15.2	0.11	10.0	5.8	120	5.2	41.9	20.0	9.0	11.2	33.2
39017	11	21 7 44	66.4	24	7.9	0.02	71.1	1.0	54	10.4	15.7	28.5	9.5	8.3	22.4
39017	20	24 9 45	37.2	48	12.5	0.04	86.8	0.0	38	9.4	25.3	15.5	15.9	13.7	44.3
39017	31	22 12 45	19.8	45	8.7	0.17	6.0	0.5	119	13.2	66.7	20.0	10.4	13.0	29.6
39017	33	31 12 45	9.8	18	11.6	0.27	0.0	5.3	130	6.9	70.4	17.5	10.8	14.6	34.3
39017	40	19 2 46	18.4	17	13.4	0.20	0.0	7.6	132	14.9	81.0	17.9	8.8	11.0	40.1
39017	49	11 5 46	22.5	32	8.9	0.08	4.5	1.8	122	11.5	51.1	23.4	9.3	9.0	29.5
39017	53	12 10 46	30.2	46	13.2	0.12	13.3	1.5	113	25.0	63.8	19.3	9.4	10.6	36.4

Table 3.2

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	DURN (H)	PEAK FLOW (CUMEC/S)	LAG (H)	ANSF (CUMEC/S)	SMD (MM)	APIS (MM)	CWI (MM)	RUNOFF (MM)	X	UH PEAK (CUMEC/S PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT PEAK (M)	UH TIME RISE (H)
39017	58	9 12 46	18.6	15	5.62	8.4	0.24	0.0	2.8	127	12.0	64.5	24.8	10.1	8.6	27.4
39017	61	17 1 49	9.5	16	2.23	7.8	0.22	0.0	3.7	128	6.2	65.3				
39017	62	22 1 49	11.1	5	3.36	9.0	0.26	0.0	3.3	128	6.7	60.4				
39017	63	12 3 69	21.0	23	5.64	7.0	0.54	0.0	9.7	134	13.0	61.9				
39017	64	16 5 69	27.6	15	7.11	11.6	0.07	30.7	5.0	99	13.6	49.3				
39017	66	24 4 70	37.4	34	6.37	15.1	0.07	6.3	1.0	119	19.5	52.1				
39017	67	22 1 71	18.2	29	3.04	8.9	0.35	4.1	7.1	128	11.2	61.5				
39017	68	29 1 71	29.6	15	5.44	10.0	0.22	0.0	1.7	126	18.5	62.5				
39017	75	18 12 67	18.7	14	3.80	10.0	0.09	0.2	0.9	125	9.8	52.4	22.6	10.2	8.9	31.4
39017	81	9 7 68	82.6	26	16.10	7.8	0.22	72.3	6.0	58	36.0	43.6	23.0	8.0	9.2	29.9
39017	86	15 9 68	28.6	28	2.86	17.0	0.05	40.2	11.3	96	15.1	52.8	15.5	17.2	17.0	37.7
39017	91	1 11 68	26.1	10	9.10	7.5	0.23	1.6	6.3	129	17.3	66.3	30.0	6.5	8.8	19.5
39017	94	21 12 68	9.5	6	3.82	9.4	0.25	0.0	0.0	125	7.0	73.7	23.5	11.0	10.1	27.5
39022	1	28 11 65	31.5	19	17.50	23.8	2.40	3.3	2.4	124	10.7	34.0	10.4	25.6	22.0	62.9
39022	2	8 12 65	18.7	26	13.40	19.1	2.99	0.1	1.6	126	6.6	35.3	12.0	20.0	16.5	59.7
39022	3	8 2 66	25.2	19	18.10	21.4	3.37	0.0	6.0	131	10.1	40.1	12.6	20.3	19.3	49.7
39025	1	15 10 67	38.8	32	17.30	18.4	0.99	28.0	13.8	110	7.9	20.4	17.3	16.5	14.2	35.9
39025	2	30 10 67	14.8	21	11.10	7.3	1.89	19.2	8.6	114	3.4	23.0	20.3	8.0	11.9	31.0
39025	3	18 12 67	14.7	17	6.01	10.0	1.23	0.0	1.4	126	2.4	16.3	15.5	11.9	13.0	41.7
39025	5	5 2 68	17.2	29	9.04	13.9	2.13	0.0	9.7	134	3.6	20.9	15.0	11.0	11.0	52.1
39025	6	13 2 68	11.3	14	7.51	8.4	1.90	0.6	1.9	126	2.3	20.4	19.6	7.8	11.0	34.7
39025	7	24 5 68	21.4	13	5.71	6.0	0.96	9.6	0.0	115	1.4	6.5	24.5	7.5	9.4	26.6
39025	8	26 6 68	27.4	45	5.93	12.3	0.55	39.9	10.0	95	2.5	9.1	18.3	10.0	11.5	37.1
39025	10	27 10 68	16.9	21	9.27	9.7	1.21	0.0	2.5	127	3.6	21.3	17.2	11.5	14.7	35.3
39025	11	29 11 68	18.2	56	5.91	9.6	1.59	0.0	3.2	128	4.1	22.5	10.8	10.8	23.0	37.0
39025	13	21 12 68	17.3	5	18.70	15.6	3.62	0.0	8.9	133	6.8	39.3	17.0	14.5	14.0	37.4
39025	14	24 12 68	20.0	21	10.80	15.2	2.43	0.0	5.4	130	5.8	29.0	12.9	12.1	18.0	50.2
39025	15	17 1 69	13.4	1	11.70	13.5	2.75	0.0	6.4	131	4.4	32.8	15.0	14.3	14.4	45.5
39025	16	12 3 69	23.2	26	21.40	14.1	2.34	0.0	22.6	147	11.5	49.6	15.4	15.0	16.5	39.9
39025	17	22 1 71	19.7	31	23.30	16.9	4.51	1.4	0.5	124	9.3	47.2	21.0	15.8	12.5	28.0
39026	2	8 3 67	24.1	49	9.34	11.6	1.58	0.0	2.1	127	5.5	22.8	13.9	14.2	14.8	50.4
39026	3	14 5 67	31.1	30	10.90	17.3	1.05	5.3	5.5	125	7.6	24.4	8.0	15.7	31.2	76.4
39026	4	26 5 67	24.6	27	9.29	22.5	1.24	0.0	3.3	128	5.4	22.0	10.6	16.9	19.8	65.3
39026	5	22 12 67	26.5	46	9.66	17.1	2.00	4.9	2.0	122	8.4	31.7	7.1	19.8	33.2	90.2
39026	7	9 7 68	70.7	26	27.10	27.8	0.42	42.3	4.4	87	15.3	21.6	8.7	28.0	24.0	79.8
39026	8	1 11 68	16.0	17	17.90	26.3	2.14	0.0	9.0	134	8.1	50.6	10.6	28.8	24.5	55.9
39026	9	21 12 68	14.3	22	11.80	14.7	3.72	0.0	5.1	130	3.9	27.3	12.6	18.0	18.6	51.1

Data used in unit hydrograph analysis

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	DURN (H)	PEAK FLOW (CUMECS)	LAG (H)	ANSF (CUMECS)	SMD (MM)	API5 (MM)	CWI (MM)	RUNOFF (MM)	X	UH PEAK (CUMECS PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT PEAK (H)	UH TIME BASE (H)
39A15	1	21 1 60	41.1	64	3 48	7.2	0.47	0.0	7.2	132	19.9	48.4	19.4	5.0	11.7	53.9
39A15	2	2 11 60	40.3	42	3 53	4.2	0.71	0.0	15.7	140	17.8	44.2	20.3	6.3	9.5	35.8
39A15	3	2 12 60	43.3	35	4 98	8.8	0.63	0.0	7.0	132	21.5	49.7	21.7	4.7	9.6	32.0
39A15	4	25 1 61	33.0	27	3 81	10.7	0.47	0.0	6.4	131	16.9	49.9	18.3	6.2	11.0	38.8
39A15	5	3 5 61	33.0	20	3 69	5.8	0.42	4.0	4.5	125	10.7	31.6	24.2	6.4	10.5	25.0
39A15	6	31 5 64	31.2	9	5 85	4.6	1.45	23.1	10.2	112	11.7	37.5	29.0	5.6	8.2	21.9
39A15	7	24 2 66	27.7	16	3 59	14.6	1.26	0.0	7.4	132	12.4	44.8	16.0	12.6	17.2	35.1
39A15	8	22 10 66	39.5	19	3 55	7.4	0.38	38.7	5.5	91	17.9	45.3	15.0	6.5	16.1	41.9
39A15	9	16 12 68	29.0	27	2 52	7.2	0.59	0.0	11.7	136	12.0	40.1				
39A15	10	19 2 69	28.8	43	2 65	11.8	0.26	2.4	0.2	122	15.0	52.1				
39A15	11	14 9 68	139.0	19	17 00	6.4	1.15	28.1	2.5	99	63.2	45.5	25.0	11.6	11.2	22.1
39A14	2	6 8 60	7.9	2	2 89	0.6	0.03	105.8	1.8	21	2.5	31.6	220.0	1.2	1.3	2.5
39A14	3	14 9 60	46.2	14	4 67	1.4	0.23	98.1	0.0	26	9.7	21.0	117.0	1.0	1.6	6.3
39A14	4	3 12 60	32.8	13	6 24	2.0	0.23	0.0	15.2	140	18.6	56.7	115.0	1.1	2.2	5.3
39A14	6	2 9 61	11.4	2	2 97	1.8	0.04	129.5	0.0	5	2.7	23.7	136.0	2.0	1.8	4.4
39A14	7	12 9 61	11.7	7	4 16	1.3	0.08	128.0	1.4	5	10.1	86.3	138.0	1.5	1.6	4.9
39A14	8	1 6 64	29.5	4	3 76	1.7	0.22	14.1	21.6	132	11.6	39.3	74.0	2.1	3.5	8.0
39A14	10	21 7 64	17.3	2	9 50	1.7	0.23	58.5	7.5	74	12.3	71.1	127.0	1.5	2.0	4.8
39A14	12	22 6 66	29.7	8	6 01	1.0	0.05	77.4	6.0	54	8.8	29.6	118.0	1.9	2.1	5.2
39A14	13	25 6 67	21.3	5	3 71	2.0	0.06	50.2	16.0	90	7.0	32.9	118.0	2.4	2.1	5.2
39A14	14	17 9 67	27.8	4	7 61	2.0	0.08	104.2	1.4	22	12.2	43.9	168.0	1.5	1.5	4.5
39A14	15	27 10 68	30.0	23	6 42	1.5	0.02	6.1	0.3	119	8.4	28.0	148.0	1.5	1.7	4.1
39A14	16	31 10 68	17.1	50	4 69	1.8	0.05	0.0	7.4	132	4.4	25.7	129.0	1.8	2.0	4.6
39A14	17	13 12 69	18.3	6	5 36	2.3	0.14	20.2	1.6	106	10.5	57.4	126.0	2.0	2.0	5.0
39A14	18	10 8 70	12.2	9	6 84	1.1	0.04	134.7	12.4	5	5.4	44.3	146.0	1.3	1.7	4.2
39A20	1	5 8 56	38.9	13	14 80	4.5	0.47	74.3	7.1	57	16.0	41.1	40.2	6.1	6.6	14.5
39A20	2	23 9 58	40.8	14	11 60	7.0	0.25	67.0	13.4	91	17.1	41.9	31.0	6.2	7.5	20.9
39A20	3	21 1 62	22.0	20	7 88	4.9	0.75	0.0	9.6	134	11.8	53.6	62.0	5.2	4.5	17.5
39A20	4	7 6 63	18.2	6	15 80	2.8	0.41	48.9	4.3	80	12.6	69.2	56.4	4.7	4.7	11.0
39A20	5	9 12 66	16.6	14	5 84	6.5	0.30	0.1	3.0	127	8.4	50.6	32.5	6.0	7.3	19.6
39A20	6	25 6 67	19.7	8	5 62	3.1	0.24	57.3	5.6	73	5.3	26.9	41.5	4.0	6.0	14.8
39A20	8	15 9 68	38.8	21	6 53	11.5	0.37	37.7	22.6	109	21.3	54.9	19.5	7.3	8.3	40.4
39A20	9	7 10 68	22.1	22	5 07	6.9	0.19	4.9	0.0	120	7.4	33.5	37.5	5.0	5.2	19.3
39A20	10	1 11 68	15.1	19	5 58	8.8	0.36	0.0	6.6	131	6.7	44.4	40.0	6.0	5.8	16.2
39A20	11	16 12 68	33.8	17	6 35	8.5	0.30	0.0	4.0	129	14.5	42.9	24.6	10.0	10.0	25.2
39A30	1	6 7 63	23.1	11	1 23	2.4	0.01	76.9	1.5	49	2.3	10.0	56.8	2.7	4.4	10.8
39A30	2	1 6 64	25.4	8	2 03	1.8	0.12	24.5	23.8	124	4.2	16.5	55.2	2.8	4.4	11.3
39A30	3	13 8 64	18.7	11	1 50	2.7	0.04	88.9	8.8	44	1.7	9.1	66.6	2.1	3.7	9.3
39A30	4	2 9 65	55.4	14	2 56	3.3	0.22	104.0	10.4	31	8.9	16.1				
39A30	5	22 6 66	28.4	20	1 64	3.8	0.03	79.1	1.2	47	3.3	11.6	58.4	3.2	3.8	11.4
39A30	6	29 8 66	31.5	16	1 28	2.4	0.07	99.3	0.0	25	2.7	8.6				
39A30	7	2 10 66	19.6	10	1 42	2.2	0.13	73.3	6.1	57	2.6	12.2	64.6	2.8	3.7	9.8
39A30	8	20 5 67	9.7	10	1 18	2.5	0.14	10.9	2.2	116	1.5	15.5	72.0	3.0	3.4	8.4

Table 3.2

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	DURN (H)	PEAK FLOW (CUMSECS)	LAG (H)	ANFS (CUMSECS)	SND (MM)	APIS (MM)	CHI (MM)	RUNOFF (MM)	X	UH PEAK (CUMSECS PER SQ. KM.)	TIME TO PEAK (H)	WIDTH AT PEAK (M)	UH TIME BASE (H)
39830	9	23 6 67	26.2	8	1.62	1.9	0.09	59.3	0.0	65	2.9	11.1	60.0	2.6	4.4	9.7
39830	10	10 8 67	6.8	3	2.36	2.5	0.08	99.6	0.4	25	2.5	36.8	79.2	1.8	3.5	7.0
39830	11	1 11 67	19.9	9	1.93	2.8	0.20	22.0	8.2	111	3.8	19.1	50.8	3.7	4.6	12.7
39830	12	16 12 68	26.2	14	1.83	3.3	0.18	0.0	7.3	132	5.0	19.1	40.5	3.8	3.2	17.1
39830	13	25 6 67	26.9	5	2.21	2.0	0.13	50.2	12.6	87	3.6	13.4	64.0	3.0	4.2	9.0
39831	1	6 7 63	23.8	11	1.25	1.6	0.03	76.9	1.1	49	2.3	9.7	184.0	0.8	1.0	4.0
39831	2	16 4 64	12.4	17	1.45	1.8	0.04	9.4	6.2	121	1.5	12.1	202.0	0.5	1.1	3.3
39831	3	1 6 64	25.6	8	1.70	2.1	0.07	25.6	19.9	119	4.6	18.0	148.0	0.5	1.7	4.1
39831	4	12 6 64	14.5	8	1.28	1.1	0.02	112.0	0.3	110	1.3	9.0	160.0	0.5	1.4	4.2
39831	5	7 7 65	20.7	10	1.82	1.2	0.02	112.0	0.7	13	1.8	8.7	181.0	1.0	1.3	3.5
39831	6	2 9 65	15.3	5	1.65	1.3	0.03	120.0	2.7	7	1.4	9.2	179.0	1.2	1.2	3.8
39831	7	2 9 65	56.6	16	2.34	4.0	0.13	79.7	19.7	64	12.1	21.4	172.0	1.2	0.7	5.1
39831	8	22 6 66	26.4	7	2.23	1.0	0.04	77.7	3.1	50	3.2	12.1	202.0	0.5	1.1	3.3
39831	9	21 8 66	11.6	6	1.87	0.7	0.04	91.5	0.0	33	1.4	12.1	202.0	0.5	1.1	3.3
39831	10	2 10 66	19.7	10	2.06	1.1	0.07	73.2	5.3	57	2.8	14.2	148.0	0.5	1.7	4.1
39831	11	18 10 66	5.4	7	1.52	1.1	0.11	61.1	7.3	91	1.2	22.2	206.0	0.7	1.0	3.4
39831	12	18 10 66	10.3	4	2.18	1.5	0.20	35.6	9.5	98	2.3	22.3	180.0	1.0	1.2	3.8
39831	13	29 5 67	11.4	10	1.99	0.6	0.08	11.0	2.4	116	1.3	13.2	248.0	0.8	0.8	2.9
39831	14	2 5 67	3.5	3	2.06	0.7	0.08	17.6	3.2	114	1.3	37.1	350.0	0.7	0.6	2.0
39831	15	25 6 67	28.9	5	2.12	0.4	0.14	50.2	14.0	88	4.6	15.9	168.0	1.3	1.2	4.2
39831	16	17 9 67	16.4	5	1.89	1.3	0.03	104.2	1.1	21	1.9	11.6	184.0	0.5	1.1	3.8
39831	17	1 11 67	20.6	18	1.84	1.6	0.08	23.3	8.1	109	4.2	20.4	255.0	0.7	0.9	2.6
39831	18	13 7 68	14.4	4	1.87	1.1	0.08	88.0	8.6	45	1.4	9.7	255.0	0.7	0.9	2.6
39831	19	13 7 68	14.7	7	1.97	1.7	0.06	58.1	3.5	70	2.0	13.6	255.0	0.7	0.9	2.6
39831	20	16 12 68	29.1	17	2.02	3.1	0.11	0.0	7.3	132	7.9	27.1	260.0	1.1	1.0	2.3
39831	21	6 8 70	17.0	3	2.49	1.2	0.11	120.0	7.6	12	2.2	12.9	260.0	1.1	1.0	2.3
39831	22	20 8 71	16.0	3	2.67	1.6	0.10	75.8	8.3	57	2.5	15.6	201.0	1.5	1.2	3.1
39831	23	25 6 67	26.2	8	1.68	0.9	0.05	59.3	0.0	65	2.7	10.3	201.0	1.5	1.2	3.1
4006	10	7 9 65	24.2	8	2.23	7.0	0.25	30.4	3.9	98	1.7	7.0	31.5	6.2	7.5	20.3
4006	11	8 12 65	29.2	25	5.24	12.3	0.36	0.2	1.5	126	6.5	22.3	23.9	8.4	9.0	28.5
4006	12	24 2 66	20.5	30	5.07	12.1	0.66	0.0	4.8	129	5.3	25.9	22.0	7.2	10.3	29.9
4006	13	17 4 66	16.4	17	3.91	5.0	0.66	0.8	6.2	130	2.6	15.9	27.0	7.0	9.4	22.4
4006	14	29 11 66	15.6	8	3.80	8.1	0.48	0.0	4.3	128	3.0	19.2	25.0	6.3	9.6	23.3
4006	15	9 12 66	16.7	21	4.09	8.1	0.63	0.0	3.5	128	3.5	21.0	22.9	8.2	10.7	27.2
4006	16	25 1 67	15.2	21	4.63	8.7	0.79	0.0	7.1	132	3.4	22.4	25.5	5.7	9.0	25.6
4006	17	27 2 67	14.7	15	3.51	6.3	0.56	0.0	9.3	134	3.3	22.4	22.3	5.5	10.6	28.2
4006	18	27 2 67	17.3	17	4.17	10.3	0.51	0.0	3.1	128	4.0	23.1	22.4	7.0	10.0	29.6
4006	19	9 4 67	22.4	14	4.30	6.1	0.49	3.5	1.4	122	3.8	17.0	26.6	6.2	8.5	24.8
4006	20	25 6 67	33.6	5	5.01	6.0	0.45	63.8	12.2	73	3.0	8.9	35.0	5.3	6.8	18.2
4006	21	3 11 67	36.4	28	7.93	12.0	0.57	14.0	11.2	120	10.5	28.8	26.7	6.8	8.8	24.0
4006	22	18 12 67	19.3	13	3.60	5.9	0.45	9.6	0.2	115	3.2	16.6	26.7	6.8	9.5	25.5
4006	24	21 12 68	9.7	8	4.17	6.5	0.90	0.0	8.7	133	3.0	30.9	18.2	6.5	10.0	41.1
4006	26	11 3 69	31.3	44	6.52	10.0	0.74	0.0	12.2	137	9.8	31.3	27.6	6.5	10.0	41.1
4006	27	14 9 68	126.0	16	54.90	7.1	0.72	41.0	2.1	86	46.3	36.7	27.6	6.7	8.7	22.9

Data used in unit hydrograph analysis

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	DURN (H)	PEAK FLOW (CUMECS)	LAG (H)	ANSF (CUMECS)	SMD (MM)	API5 (MM)	CHI (MM)	RUNOFF (MM)	X	UH PEAK (CUMECS PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT 0.5 PEAK (H)	UH TIME BASE (H)
4 007	1	3 11 60	32.0	26	32.00	14.0	3.24	4.3	5.0	125	12.2	38.1	14.7	11.8	16.0	43.6
4 007	2	25 10 60	30.8	17	62.10	14.5	4.23	0.0	3.6	128	16.5	53.6	17.3	18.2	12.8	38.7
4 007	3	25 11 60	26.4	20	47.10	17.2	7.70	0.0	16.4	141	12.4	47.0	19.1	14.2	13.0	32.2
4 007	4	31 10 60	27.8	28	48.60	12.2	12.50	0.0	25.4	150	13.0	46.8	16.5	14.1	15.6	36.2
4 007	5	25 11 60	23.4	14	43.00	14.4	7.84	0.0	9.3	134	14.6	62.4	21.9	8.0	8.5	33.8
4 007	6	2 12 60	52.1	31	101.00	8.7	8.03	0.0	3.7	128	25.4	48.8	14.2	11.2	13.0	32.3
4 007	7	1 1 61	30.9	31	40.40	18.5	4.89	0.2	5.9	130	19.3	62.5	14.2	11.2	13.0	32.3
4 007	8	23 1 61	32.9	24	57.00	12.9	7.07	0.0	12.2	137	16.5	50.2	16.5	11.8	13.7	36.0
4 007	9	27 2 61	19.3	10	38.40	11.8	5.98	0.0	9.3	134	8.3	43.0	19.7	9.4	11.8	32.8
4 007	10	10 1 62	20.6	14	40.80	13.9	4.72	0.0	10.3	135	6.8	47.6	18.8	14.2	12.4	34.3
4 007	11	21 1 62	20.9	19	33.10	8.1	10.70	0.0	9.8	134	6.8	32.5	22.2	9.4	11.0	28.1
4 007	12	10 3 63	23.2	24	35.10	12.0	5.04	0.0	10.6	135	9.2	39.7	17.0	10.4	14.5	36.4
4 007	13	1 11 63	22.6	13	41.30	13.0	4.92	0.0	5.7	130	8.3	36.7	18.4	15.3	12.8	34.8
4 007	14	17 11 63	80.6	53	57.00	13.8	6.25	0.0	6.5	131	41.7	51.7	14.2	12.8	16.8	44.7
4 007	15	24 11 63	22.3	30	28.90	14.7	4.83	0.0	2.4	127	9.3	41.7	17.6	13.5	13.4	36.4
4 007	17	17 6 64	42.0	22	43.80	17.6	2.47	4.8	2.4	122	12.1	28.8	17.6	11.0	14.0	38.6
4 007	20	28 11 65	28.4	20	43.90	11.9	3.11	0.0	4.5	129	10.8	38.0	16.7	15.0	17.7	39.7
4 007	21	22 10 66	35.1	21	43.90	15.4	3.46	6.2	5.0	123	13.0	37.0	14.8	15.0	17.7	39.7
4 007	22	27 2 67	28.8	17	45.40	12.3	4.31	0.0	2.9	127	13.0	45.1	19.2	13.6	11.5	34.9
4 008	1	10 3 63	18.8	12	16.30	14.5	3.65	0.0	11.5	136	4.8	25.5	13.7	14.8	18.0	45.2
4 008	2	2 4 64	27.1	35	15.90	17.1	2.05	6.7	0.3	118	7.5	27.7	10.5	23.2	22.5	60.9
4 008	3	8 12 65	20.3	12	18.00	18.1	2.42	0.0	2.9	127	7.4	36.5	12.8	14.8	18.2	50.5
4 008	4	9 2 66	25.3	30	20.20	10.9	4.50	0.0	4.1	129	9.1	36.0	12.3	18.0	22.0	46.4
4 008	5	24 2 66	21.1	30	19.40	18.6	3.87	0.0	4.2	129	7.0	33.2	12.2	12.9	20.0	51.1
4 008	6	22 10 66	25.5	23	19.30	24.1	3.36	0.0	10.1	135	11.1	43.5	11.0	17.3	21.5	58.1
4 008	7	27 10 66	44.0	41	27.80	26.5	3.02	0.0	6.2	131	24.2	55.0	11.0	12.0	17.3	38.6
4 008	8	9 12 66	19.6	18	20.50	22.3	4.81	0.0	5.1	130	7.9	40.3	15.2	18.0	20.5	51.7
4 008	9	27 2 67	18.6	24	17.50	9.8	3.54	0.0	3.0	128	5.3	28.5	12.0	12.0	17.3	38.6
4 008	13	17 11 63	42.0	51	22.50	26.3	5.14	0.0	14.8	139	15.3	36.4	12.0	18.0	20.5	51.7
4 009	3	20 4 63	17.9	12	22.60	6.2	2.83	2.8	3.0	125	6.7	37.4	28.3	6.9	7.5	24.0
4 009	4	13 6 64	44.8	38	37.20	6.1	1.60	8.5	4.6	121	16.1	35.9	22.8	8.8	12.4	24.0
4 009	5	2 9 65	68.1	26	29.80	7.2	0.53	78.8	0.6	46	10.0	14.7	22.6	7.9	11.2	26.8
4 009	6	28 11 65	25.2	17	26.30	5.6	1.92	0.0	3.3	128	9.0	35.7	24.7	6.8	9.3	26.4
4 009	7	8 12 65	26.9	35	41.70	15.2	6.04	0.0	7.1	132	16.7	62.1	21.7	11.0	12.0	27.2
4 009	8	9 2 66	18.6	17	30.90	6.7	6.58	0.0	13.5	138	10.6	57.0	24.5	6.1	9.8	25.8
4 009	10	19 10 66	16.2	13	27.60	9.3	6.72	3.0	14.5	134	5.3	32.7	35.5	9.4	7.8	15.7
4 009	12	27 2 67	28.1	26	34.10	8.6	2.47	0.0	6.6	131	14.6	52.0	25.0	11.1	9.2	26.1
4 009	20	17 11 63	71.0	53	39.70	6.0	5.05	0.0	11.9	136	41.1	57.9	19.0	7.4	13.8	30.9
4 010	1	3 12 61	23.2	47	14.90	19.9	1.00	11.0	2.6	116	9.1	39.2	10.5	17.7	25.0	53.9
4 010	2	12 12 61	18.5	13	16.40	21.1	2.81	0.0	2.4	127	8.7	47.0	10.4	21.1	20.6	65.7
4 010	5	15 3 63	10.0	6	14.00	14.0	4.75	0.0	4.9	129	3.3	33.0	14.8	14.7	19.6	35.9
4 010	6	10 11 63	12.5	13	15.40	16.9	1.28	0.0	4.2	129	7.5	60.0	10.3	16.0	22.2	63.6
4 010	7	17 11 63	57.4	53	31.00	20.2	2.93	0.0	2.9	127	32.8	57.1	7.5	21.0	28.3	91.7

Table 3.2

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	DURN (H)	PEAK FLOW (CUMECS)	LAG (H)	ANSF (CUMECS)	SMD (MM)	API5 (MM)	CWI (MM)	RUNOFF (MM)	X	UH PEAK (CUMECS PER 100 SQ. KM.)	TIME PEAK (H)	WIDTH AT PEAK (H)	UH TIME BASE (H)
4010	8	24 11 63	19.2	31	16.40	12.3	2.92	0.0	2.2	127	7.9	41.1	10.2	14.0	26.6	55.8
4010	9	14 3 64	47.3	47	29.60	17.0	1.16	0.4	5.6	130	26.1	55.2	9.5	12.5	19.5	78.1
4010	10	18 3 64	15.9	25	19.10	25.4	3.21	1.4	5.9	129	8.3	52.2	10.8	18.8	21.6	59.8
4010	11	20 4 64	23.6	41	15.30	17.8	1.76	0.0	6.0	131	11.4	48.3	9.4	18.3	25.0	68.3
4010	12	31 5 64	40.2	29	14.80	18.1	0.50	21.8	0.0	103	8.6	21.4	9.4	12.2	27.8	62.7
4010	13	18 6 64	28.3	38	19.30	14.7	1.29	7.9	3.4	120	11.0	38.9	11.5	10.5	19.8	54.6
4010	14	13 1 65	16.4	9	15.80	13.7	2.59	2.9	6.4	126	6.7	40.9	11.5	13.5	18.0	60.7
4010	15	19 11 65	22.7	10	18.40	28.0	2.26	0.0	6.0	131	8.2	36.1	8.6	23.8	27.5	74.3
4010	16	28 11 65	24.2	20	24.90	24.6	1.33	0.0	2.8	127	16.2	66.0	8.6	23.8	27.5	74.3
4010	17	4 12 65	12.0	23	13.70	17.6	2.43	0.0	3.1	128	5.1	42.5	11.5	14.0	22.2	52.3
4010	18	8 12 65	25.6	26	24.80	24.4	1.50	0.2	1.6	126	14.1	55.1	10.8	23.7	23.2	56.6
4010	19	18 12 65	18.0	26	20.30	20.9	7.20	0.0	8.9	133	7.1	39.4	13.6	17.6	20.7	60.6
4010	20	8 2 66	21.6	26	25.40	23.8	2.82	0.0	3.9	128	16.3	75.5	8.2	17.5	37.5	60.6
4010	21	18 2 66	31.0	85	21.70	22.8	1.17	2.4	0.0	122	19.6	63.2	7.7	9.6	30.0	84.4
4010	22	24 2 66	26.5	54	29.90	12.8	4.00	0.0	6.2	131	16.2	61.1	8.2	25.3	30.0	73.6
4010	23	17 4 66	32.0	62	24.00	25.1	2.66	0.8	6.1	130	18.0	56.2	7.6	20.2	35.6	75.4
4010	24	22 10 66	39.6	19	29.30	23.7	1.31	6.2	2.8	121	19.9	65.0	11.0	11.5	25.0	55.1
4010	25	9 12 66	17.8	21	21.60	16.1	2.92	0.0	2.9	127	9.6	53.9	10.7	16.8	26.4	51.1
4010	26	25 1 67	16.6	8	23.30	15.6	4.91	0.0	6.5	131	9.4	56.6	10.7	16.8	26.4	51.1
4010	27	26 2 67	20.3	26	22.10	19.1	1.50	0.0	2.5	127	11.6	57.1	10.3	10.5	25.5	97.0
4010	28	3 11 67	32.4	55	38.10	11.0	5.00	1.4	10.1	133	17.3	53.4	10.3	10.5	25.5	97.0
4010	29	18 12 67	23.8	14	21.70	20.6	0.55	0.1	0.4	125	12.3	51.7	10.3	10.5	25.5	97.0
41005	2	19 2 66	31.2	36	24.00	19.3	3.02	0.0	5.5	130	15.9	51.0	12.5	16.6	18.0	53.0
41005	3	24 2 66	27.3	20	37.70	17.6	5.99	0.0	7.5	132	16.3	59.7	12.5	14.1	19.6	49.8
41005	4	17 4 66	36.0	65	24.50	16.8	3.81	0.8	5.4	129	18.8	52.2	12.5	17.1	15.2	58.4
41005	5	6 8 66	27.7	22	18.80	22.0	2.19	53.7	6.0	77	10.1	36.3	11.0	20.0	22.0	57.1
41005	6	22 10 66	32.7	18	33.20	21.2	1.91	5.1	6.8	126	18.9	57.8	9.8	24.3	24.4	64.7
41005	7	9 12 66	13.2	21	12.20	16.3	2.60	0.0	3.2	128	6.2	47.0	10.7	12.6	21.5	60.9
41005	8	28 12 66	18.1	22	17.70	19.8	2.34	0.0	3.9	128	8.6	47.5	12.5	17.0	18.2	56.0
41005	9	25 1 67	17.3	7	24.80	20.6	7.06	0.0	11.2	136	7.3	42.2	9.2	19.7	17.4	86.1
41005	10	27 2 67	26.1	18	28.00	18.7	2.33	0.0	2.3	127	12.8	49.0	13.2	19.6	17.7	48.8
41005	11	7 3 67	17.8	25	14.70	16.1	3.79	1.3	1.4	125	7.1	39.9	10.5	15.0	20.5	64.9
41005	12	9 4 67	24.4	12	16.70	14.5	1.58	0.7	0.9	125	6.4	26.2	14.3	13.5	16.1	45.6
41005	13	3 11 67	45.0	26	85.00	11.6	5.64	1.4	12.5	136	25.0	55.6	12.3	17.6	17.8	54.8
41005	15	5 2 68	18.2	22	22.30	15.4	5.37	0.0	12.6	137	7.8	42.9	12.3	17.6	17.8	54.8
41005	16	14 9 68	66.0	17	48.90	19.8	1.07	53.4	5.0	76	19.0	28.8	12.3	17.6	17.8	54.8
41005	17	25 9 68	23.3	17	20.00	20.6	2.34	0.9	3.7	127	9.1	39.1	12.6	17.9	17.6	53.1
41005	18	1 11 68	12.7	11	17.70	14.9	4.53	0.0	17.8	142	5.1	40.2	13.6	15.8	16.3	49.2
41005	19	2 12 68	20.8	24	21.80	19.9	2.99	0.0	5.1	130	9.3	44.7	12.7	16.5	22.7	62.2
41005	20	21 12 68	19.6	20	22.60	13.6	5.88	0.0	15.7	140	8.5	43.4	12.6	16.0	19.0	50.3
41005	21	15 1 69	10.3	13	17.30	14.9	4.19	0.0	6.9	131	5.5	53.4	13.3	16.6	16.0	51.6
41005	23	17 1 69	14.5	12	21.40	14.9	3.92	0.0	6.7	131	8.9	61.4	12.2	15.3	18.6	53.9
41005	24	27 1 69	14.9	17	17.80	14.7	4.17	0.0	1.9	126	6.2	41.6	14.4	14.8	16.8	43.6
41005	24	19 2 69	28.5	46	19.50	23.8	2.85	1.4	0.4	124	13.1	46.0	9.9	23.4	22.0	68.3
41005	25	12 3 69	26.7	33	30.20	12.3	5.68	0.0	16.6	141	13.3	49.8	11.8	15.6	21.7	50.8

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL		PEAK FLOW (CUMECs)	LAG (H)	ANSE (CUMECs)	SMD (MM)	API5 (MM)	CWI (MM)	RUNOFF (MM)	X	UH PEAKS (CUMECs) PER 100 SQ. KM.	TIME TO PEAK (H)	WIDTH AT PEAK (M)	UH TIME RISE (H)
			TOTAL (MM)	DURN (H)												
41006	1	3 11 67	45.4	26	42 20	11.9	1.48	1.7	13.7	137	33.1	72.9	27.4	13.0	11.0	18.6
41006	3	5 2 68	22.2	22	24 90	13.2	3.32	0.0	10.7	135	13.3	60.8	22.3	15.5	13.4	22.6
41006	4	14 9 68	31.0	14	9 63	9.3	0.40	55.2	7.7	77	6.6	14.8	26.6	12.9	9.9	22.0
41006	6	21 12 68	17.3	6	18 80	11.5	1.64	0.0	11.7	136	8.9	72.4	23.2	12.0	10.0	27.9
41006	8	12 3 69	17.3	12	31 70	10.1	2.67	0.0	16.0	141	13.4	77.5	24.0	10.6	11.0	26.3
41006	9	17 6 71	35.2	19	37 80	14.6	0.43	0.0	9.2	134	19.1	56.3	23.0	13.5	12.0	24.3
41006	10	15 11 69	32.4	23	34 20	12.3	1.53	45.7	17.1	96	14.1	43.5				
41007	2	3 12 60	35.5	27	99 70	21.2	12.60	0.0	2.6	127	30.9	87.0	8.1	14.5	30.5	76.3
41007	3	27 1 61	55.0	67	95 20	37.2	1.58	0.5	0.7	125	49.6	90.2	11.3	25.6	24.0	50.4
41007	4	27 2 61	18.8	41	61 20	21.1	12.90	0.0	8.7	133	12.5	66.5	8.2	32.7	30.2	75.2
41007	5	3 5 61	27.3	27	65 80	31.9	0.35	5.0	3.8	123	21.5	78.8	10.0	34.0	28.5	56.2
41007	7	13 3 64	58.8	49	97 60	23.5	1.69	6.2	0.2	119	43.3	73.6	7.0	27.8	39.0	80.9
41007	8	31 5 64	55.0	62	77 80	27.2	0.32	42.9	0.0	82	37.6	68.4	8.8	31.5	32.0	62.4
41007	9	23 11 65	29.4	21	66 90	26.6	0.02	0.0	2.6	127	20.3	69.0	7.8	32.0	35.6	71.4
41007	10	22 10 66	33.2	21	82 60	20.4	0.06	38.7	3.4	89	26.9	81.0	13.3	20.8	15.4	52.8
41007	11	14 9 68	107.0	33	299 00	14.6	11.00	19.9	7.3	112	73.6	68.8				
41801	4	12 3 69	18.2	17	0 94	5.2	0.07	0.0	9.2	134	7.0	38.5	43.5	5.6	6.0	13.6
41801	5	31 5 69	19.7	5	1 62	1.5	0.04	39.0	1.7	87	3.3	16.8	79.0	2.4	2.9	8.1
41801	6	6 7 69	43.4	19	1 74	2.4	0.02	92.6	0.0	32	6.7	15.4	63.6	2.8	3.6	10.3
41801	7	28 7 69	31.2	13	0 75	2.9	0.01	102.9	0.0	22	4.4	14.1	51.6	2.2	4.2	13.2
41801	8	1 8 69	15.3	5	0 92	0.9	0.02	88.5	2.2	38	2.1	13.7	73.0	2.0	3.2	8.8
41801	9	2 8 69	19.8	9	0 77	4.7	0.02	77.1	13.3	61	3.8	19.2	56.2	3.6	4.4	11.0
41801	10	13 11 70	55.6	30	2 76	4.9	0.06	57.5	4.2	76	42.0	75.5	52.0	3.6	4.4	12.6
41801	11	16 11 70	11.3	7	1 77	3.2	0.18	17.6	16.6	124	8.5	82.5	37.5	4.2	4.8	20.1
41801	12	13 6 71	59.1	34	2 93	6.1	0.02	55.4	6.8	76	19.8	33.5	38.4	4.6	7.0	15.0
41801	13	10 6 71	31.2	12	1 48	4.1	0.05	13.1	10.8	122	12.7	40.7	30.0	3.8	3.9	29.3
41801	14	22 8 71	21.4	5	2 82	3.5	0.04	61.3	36.8	100	9.1	42.5	21.0	9.5	11.4	30.2
41811	1	13 1 65	20.1	13	5 39	10.2	0.47	2.9	4.2	126	10.6	52.7	22.0	6.3	12.1	26.3
41811	2	19 11 65	42.9	16	8 93	7.0	0.55	0.0	4.6	129	17.6	41.0	21.5	7.6	10.7	30.3
41811	3	28 11 65	27.4	21	6 59	6.9	0.45	0.0	4.2	129	13.1	67.8	25.0	7.0	9.0	26.9
41811	4	8 12 65	32.7	26	10 40	11.2	0.40	0.0	2.0	127	20.1	61.5	27.5	7.8	8.6	23.2
41811	5	22 12 65	22.2	14	7 50	6.8	0.81	0.0	3.0	128	12.8	57.7	24.0	6.5	9.5	27.3
41811	6	19 2 66	33.3	35	6 19	11.3	0.45	0.0	6.7	131	19.6	58.9	30.0	7.5	8.2	20.7
41811	7	21 2 67	16.0	9	6 17	8.0	0.50	0.0	11.9	136	8.7	54.4	21.3	8.4	13.6	27.0
41811	8	27 2 67	26.8	17	5 63	6.4	0.40	0.0	3.4	128	13.4	50.0	19.4	10.0	13.0	27.0
41811	9	3 11 67	45.5	24	7 70	12.0	0.72	1.9	17.1	140	21.6	47.5	26.0	6.5	9.0	24.8
41811	10	5 2 68	19.1	11	6 29	6.6	0.57	0.0	11.8	136	10.2	53.4	21.2	9.0	10.5	31.5
41811	11	11 10 68	25.6	14	6 79	6.8	0.83	0.4	10.0	134	12.6	49.2	29.0	9.1	8.4	21.5
41811	13	12 3 69	19.5	23	6 65	10.4	0.71	0.0	17.9	142	9.9	50.8				

Table 3.2

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	DURN (H)	PEAK FLOW (CUMEC/S)	LAG (H)	ANSF (CUMEC/S)	SMD (MM)	APIS (MM)	CWI (MM)	RUNOFF (MM)	X	UH PEAK PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT PEAK (H)	UH TIME BASE (H)
45002	1	24 8 63	23.3	16	57.80	8.2	10.20	0.0	5.6	130	4.3	18.5	29.5	5.2	6.5	24.7
45002	2	18 11 63	50.7	35	163.00	9.1	50.90	0.0	24.7	149	26.3	51.9	29.5	8.0	7.0	23.7
45002	3	30 1 64	20.8	10	47.90	7.1	7.35	0.0	2.7	127	3.0	14.4	45.0	3.8	4.3	16.1
45002	4	12 11 64	30.8	24	70.00	4.4	6.19	29.9	2.6	97	4.2	13.6	27.6	8.0	7.5	23.3
45002	5	12 12 64	29.0	17	167.00	8.1	41.80	0.0	10.6	135	13.6	46.9	15.3	7.6	13.6	44.5
45002	6	15 1 65	51.2	44	156.00	11.1	45.90	0.0	18.5	143	27.1	52.9	37.4	6.5	6.8	16.1
45002	8	23 11 65	20.9	6	70.70	5.7	14.00	0.2	0.7	125	3.3	15.8	27.6	7.0	7.2	23.9
45002	9	28 11 65	26.0	21	103.00	5.9	31.20	0.0	8.6	133	6.5	25.0	17.5	9.6	10.2	43.1
45002	10	8 12 65	66.2	47	188.00	14.3	32.40	0.1	5.2	130	36.7	55.4	25.2	8.0	8.0	28.1
45002	11	14 11 66	25.5	13	61.50	7.8	11.00	0.0	12.3	137	4.7	18.4	24.2	7.6	8.0	31.0
45002	12	9 12 66	34.9	26	110.00	8.9	23.10	0.0	5.2	130	11.6	33.2	20.2	10.6	12.0	31.0
45002	13	11 12 66	47.5	44	134.00	6.2	42.00	0.0	9.7	134	15.2	32.0	27.5	7.0	8.5	23.4
45002	14	30 12 66	28.9	19	147.00	8.8	41.90	0.0	14.5	139	11.2	38.8	22.6	8.6	9.4	30.4
45002	15	20 2 67	32.8	21	149.00	9.2	36.80	0.0	30.5	155	16.8	51.2	38.0	5.2	5.5	18.7
45002	16	27 2 67	34.8	21	134.00	5.4	26.50	0.0	4.6	129	9.8	28.2	16.6	7.8	13.2	40.6
45002	17	8 1 68	48.1	21	169.00	13.6	29.90	0.0	6.1	131	27.5	57.2	27.4	7.0	7.4	24.9
45002	18	9 7 68	55.1	29	169.00	10.8	16.40	6.9	4.7	122	15.7	28.5	24.4	3.6	4.6	36.4
45002	19	27 7 69	100.0	29	74.00	10.4	3.74	85.0	0.1	40	8.6	8.6	17.0	7.4	11.0	43.4
45002	20	18 9 69	36.8	10	90.40	4.8	6.64	14.8	7.6	117	4.4	12.0	23.0	7.0	8.6	31.1
45002	21	16 12 65	107.0	54	224.00	8.7	36.80	0.0	11.5	136	64.8	60.6	23.0	7.4	11.0	43.4
45002	22	1 11 70	47.2	16	171.00	10.0	36.70	0.0	5.4	130	22.4	47.5	23.0	8.1	8.6	31.1
45003	1	4 7 63	48.7	35	21.90	8.5	2.89	48.1	3.0	79	5.0	10.3	19.7	12.8	10.2	36.0
45003	2	10 11 63	15.8	7	26.60	12.7	6.59	30.1	7.0	101	5.9	37.3	15.3	13.6	16.4	39.9
45003	3	15 1 65	24.2	31	31.30	8.1	7.81	0.0	12.7	137	7.9	32.6	18.0	12.6	13.3	33.2
45003	4	16 1 65	25.3	23	60.80	7.7	5.26	0.0	6.0	131	11.5	45.5	24.3	8.5	9.6	26.6
45003	5	25 11 65	25.3	19	62.00	9.2	6.05	2.4	7.0	129	11.2	44.3	23.3	10.2	11.2	25.3
45003	6	8 12 65	29.7	44	39.10	15.3	5.94	0.1	3.7	128	11.7	39.4	17.7	12.2	12.0	38.8
45003	7	1 1 66	21.2	25	50.20	9.4	9.27	0.0	11.5	136	8.7	41.0	23.0	11.6	10.8	26.7
45003	8	22 10 66	28.8	8	47.50	11.2	3.60	43.5	2.0	83	10.3	35.8	20.6	11.0	11.5	31.0
45003	9	28 12 66	24.4	36	34.30	13.1	4.71	0.0	4.4	129	8.9	36.5	20.6	11.6	10.2	33.2
45003	10	16 2 67	25.6	17	65.00	9.0	3.33	0.0	22.6	147	15.1	59.0	23.4	9.1	11.3	24.9
45003	11	19 2 67	21.3	25	53.60	11.6	9.21	0.0	15.8	140	9.0	42.3	23.4	10.2	11.0	23.5
45003	12	30 10 67	29.4	16	48.30	11.2	5.07	22.1	9.7	112	12.1	41.2	19.0	13.0	14.0	30.5
45003	13	8 1 68	31.7	24	71.60	11.0	4.86	0.0	5.8	130	16.0	50.5	19.8	12.0	12.0	32.2
45003	14	10 7 68	51.6	18	202.00	3.4	5.97	40.4	5.0	90	27.1	52.5	34.2	4.8	6.8	18.9
45003	16	23 12 68	28.8	39	37.80	21.9	6.07	0.0	5.9	130	12.3	42.7	14.8	18.0	20.0	35.1
45003	18	27 7 69	111.0	30	115.00	14.7	1.43	116.9	0.1	8	19.4	17.5	27.0	11.6	8.9	23.4
45004	1	19 2 67	35.6	30	63.00	9.3	7.75	0.0	11.6	134	11.8	33.1	24.7	9.8	9.6	23.8
45004	2	3 5 67	48.4	28	42.00	12.7	2.74	37.6	0.0	87	8.1	16.7	20.3	10.1	11.2	32.4
45004	3	15 10 67	29.4	32	60.70	13.1	8.80	35.9	11.6	100	12.4	42.2	17.7	12.5	13.5	31.8
45004	4	3 1 68	34.5	21	69.60	7.8	5.71	0.0	6.0	131	12.3	35.7	20.0	6.0	13.0	29.4
45004	5	27 6 68	27.3	10	71.60	10.4	2.86	31.0	12.8	106	13.4	49.1	18.5	10.6	14.5	31.1
45004	6	26 10 68	38.0	35	44.20	16.9	2.36	7.0	0.4	118	13.1	33.7	14.0	10.0	13.3	32.8
45004	7	25 11 68	27.3	28	47.60	13.8	4.74	0.1	3.7	128	10.4	38.1	18.0	8.2	13.0	33.8
45004	8	16 12 68	23.9	14	64.60	8.8	6.73	0.0	15.2	140	10.6	44.4	22.7	7.2	11.1	26.8

Data used in unit hydrograph analysis

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL		PEAK FLOW (CUMEC.S)	LAG (H)	ANSE (CUMEC.S)	SMD (MM)	API5 (MM)	CWI (MM)	RUNOFF (MM)	UH PEAK (CUMEC.S PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT 0.5 PEAK (H)	UH TIME BASE (H)
			TOTAL (MM)	DURN (H)											
45004	9	17 12 68	15.6	11	73 00	5.8	9.48	0.0	32.6	157	9.5	28.2	6.1	6.7	22.0
45004	10	21 12 68	23.1	23	71 00	4.4	8.64	0.0	11.4	136	10.2	23.0	4.8	11.4	25.5
45004	11	24 12 68	30.6	31	60 60	13.5	8.35	0.0	6.9	131	12.5	20.0	11.4	12.7	30.2
45004	12	12 3 69	25.7	24	78 40	7.0	9.04	0.0	19.7	144	11.0	24.2	7.8	10.2	25.6
45004	13	27 7 69	83.4	26	73 30	15.7	1.37	116.5	0.3	8	11.6	24.4	10.4	10.5	24.6
45004	14	9 7 68	56.0	31	218 00	6.3	4.19	39.6	3.4	88	20.9	26.3	6.3	7.8	26.7
45004	16	5 3 72	50.3	39	89 30	10.8	9.37	0.0	26.1	151	27.4	15.8	6.3	20.0	30.4
45804	1	9 12 66	43.9	24	70 30	8.1	8.62	0.0	12.1	137	19.9	41.0	4.5	5.2	16.7
45804	2	12 12 66	57.5	29	82 00	6.7	12.00	0.0	20.5	145	29.5	34.0	6.5	5.4	21.9
45804	3	3 12 66	41.2	19	101 00	5.6	13.60	0.0	30.9	155	23.7	49.0	4.2	4.7	13.3
45804	4	27 2 67	42.7	19	85 90	2.5	8.44	0.0	9.4	134	12.6	34.6	4.0	4.2	12.0
45804	5	1 4 67	36.7	23	49 30	6.5	2.43	2.4	3.1	125	11.0	42.5	5.0	5.0	16.2
45804	8	19 7 68	48.0	16	132 00	3.1	5.42	2.0	5.9	128	14.0	62.6	3.2	3.9	10.0
45804	9	27 7 69	101.0	28	27 20	9.1	1.11	83.6	0.8	42	8.3	30.3	5.4	7.5	21.7
45804	10	1 11 70	62.0	17	121 00	5.8	11.60	0.0	27.0	152	38.3	35.0	5.6	6.6	18.6
45805	1	11 12 66	59.5	50	42 20	9.3	16.40	0.0	10.5	135	15.5	17.7	6.2	8.7	45.4
45805	2	30 12 66	33.0	19	44 70	7.0	18.00	0.0	22.1	147	7.7	24.8	7.1	8.5	27.8
45805	3	19 2 67	47.7	35	51 80	8.4	15.10	0.0	20.6	143	16.3	22.1	5.0	8.8	32.7
45805	4	27 2 67	31.8	11	37 20	7.4	9.22	0.0	4.9	129	6.9	28.5	6.5	6.6	25.8
45805	5	4 11 67	46.2	13	46 20	6.1	13.37	0.0	11.7	136	10.6	17.3	6.8	15.3	33.7
45805	6	22 12 67	39.2	20	33 40	8.4	5.69	0.0	8.4	133	6.4	24.3	9.0	8.5	28.8
45805	7	5 1 68	49.5	21	48 20	9.6	12.40	0.0	9.7	134	18.4	31.0	4.4	5.4	25.1
45805	8	9 7 68	56.5	23	43 50	9.5	5.88	7.9	3.0	121	8.7	37.2	4.6	5.4	25.1
46003	1	15 8 63	21.7	24	73 30	4.2	8.31	6.4	12.4	131	4.9	47.2	4.2	4.9	13.8
46003	2	3 9 63	27.1	30	64 90	9.2	9.63	0.2	7.7	132	6.8	35.0	3.5	4.8	22.2
46003	3	3 11 63	33.2	19	130 00	4.2	16.70	0.0	28.0	133	9.4	48.0	3.8	4.7	13.8
46003	4	3 11 63	32.7	16	128 00	2.3	32.50	0.0	32.7	157	5.6	59.6	2.8	4.2	10.3
46003	5	18 3 64	28.4	13	116 00	4.8	29.10	0.0	23.5	148	9.9	39.5	5.5	6.0	16.2
46003	6	14 7 64	35.0	19	69 30	5.2	5.09	15.7	4.8	114	7.2	38.0	7.0	7.0	19.3
46003	7	12 11 64	36.1	15	100 00	4.2	3.43	0.0	13.6	138	9.1	47.6	4.0	5.2	13.0
46003	8	12 12 64	29.6	15	127 00	5.0	20.90	0.0	16.9	141	12.0	48.0	5.6	5.0	13.2
46003	9	12 1 65	50.7	34	196 00	4.5	17.50	0.0	13.3	138	19.1	44.0	4.6	4.9	18.5
46003	10	1 8 65	39.6	46	92 90	6.9	8.75	1.2	5.6	129	10.9	37.0	4.5	4.4	21.3
46003	11	28 11 65	41.8	23	190 00	4.9	18.00	0.1	19.0	144	15.7	44.6	3.5	5.0	14.9
46003	12	9 1 66	49.8	28	129 00	6.5	14.50	0.3	0.6	125	15.4	39.4	4.8	5.4	17.4
46003	13	24 1 66	53.8	32	145 00	9.5	11.30	0.0	1.7	126	19.4	37.0	7.8	5.8	18.5
46003	14	1 3 66	45.1	23	163 00	5.4	19.40	0.0	7.6	132	19.1	46.2	4.2	5.0	14.1
46003	15	3 11 66	29.3	20	85 60	3.4	9.74	0.0	12.7	137	7.9	44.0	6.0	5.5	16.5
46003	16	9 12 66	29.8	32	94 50	4.9	9.16	0.0	5.6	130	11.0	48.0	4.8	4.9	13.4
46003	17	25 1 67	29.1	16	119 00	3.2	17.00	0.0	15.4	140	11.7	46.8	3.4	5.0	13.8
46003	18	25 2 67	35.4	28	139 00	3.5	20.80	0.0	30.2	155	14.6	38.2	4.6	5.7	17.7
46003	19	15 10 67	59.9	22	165 00	6.1	24.10	0.0	18.7	143	24.1	36.0	4.1	6.8	17.5
46003	20	21 6 68	52.2	23	117 00	9.6	5.84	5.6	10.1	129	15.4	37.0	4.6	5.7	18.7

Table 3.2

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	RAINFALL DURN (H)	PEAK FLOW (CUMEC/S)	LAG (H)	ANFS (CUMEC/S)	SMD (MM)	APIS (MM)	CWI (MM)	RUNOFF (MM)	%	UH PEAK (CUMEC/S PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT 0.5 PEAK (M)	UH TIME BASE (H)
46003	21	24 6 48	52.0	44	188.00	5.4	9.24	0.0	18.5	143	17.0	32.7	43.4	3.7	4.5	16.6
46003	22	27 10 68	60.6	41	137.00	9.0	15.80	0.0	5.3	130	19.2	31.7	37.8	5.4	5.6	18.2
46003	25	27 7 69	122.0	31	192.00	5.5	4.79	75.0	0.3	50	21.9	18.0	42.0	3.0	4.6	17.3
46005	1	12 11 64	40.1	21	24.80	2.7	0.50	0.0	13.5	138	24.5	61.1	54.4	3.0	4.2	12.0
46005	2	12 1 65	58.4	17	44.90	3.1	0.93	0.0	10.8	135	37.8	64.7	76.0	3.8	3.3	8.0
46005	3	28 11 65	40.7	28	38.10	3.5	1.19	0.1	18.3	143	26.2	64.4	58.4	3.3	4.5	10.0
46005	4	24 2 66	84.3	17	39.70	2.1	1.84	0.0	16.2	141	66.8	79.2	61.0	5.0	5.0	8.2
46005	5	14 10 66	23.1	8	25.30	2.2	1.01	0.0	14.8	139	15.9	68.8	70.0	2.8	3.6	8.7
46005	6	28 12 66	45.7	20	31.70	4.1	3.00	0.0	9.5	134	28.0	61.3	56.8	4.4	4.3	11.0
46005	7	25 1 67	38.9	16	38.00	2.2	1.63	0.0	15.4	140	26.7	68.6	73.0	2.5	3.5	8.2
46005	9	22 7 67	93.6	12	60.70	3.4	0.43	66.3	2.7	81	36.3	38.8	59.8	3.5	4.0	10.6
46005	10	27 6 68	38.6	10	39.40	2.7	1.46	0.0	31.8	156	35.3	91.5	75.2	4.0	4.0	6.8
46005	11	21 12 68	34.4	17	30.40	1.0	0.98	0.0	12.0	137	22.9	66.6	60.0	3.5	4.1	10.3
46802	1	8 3 63	59.1	13	19.20	4.5	1.14	0.0	9.0	134	36.8	62.3	73.0	1.2	2.5	10.2
46802	3	16 11 63	45.2	13	23.90	1.9	2.28	0.0	11.3	134	36.2	80.1	66.4	2.0	3.0	10.7
46802	4	12 11 64	45.8	13	14.30	4.2	0.15	0.0	0.6	125	25.3	55.2	100.0	1.8	2.3	6.5
46802	5	12 1 65	48.1	11	17.40	2.1	0.68	0.0	13.5	138	30.2	62.8	83.0	2.7	3.2	7.0
46802	6	16 11 65	47.6	11	24.50	1.7	1.04	0.0	28.0	153	26.4	55.5	72.0	2.9	2.9	9.6
46802	7	28 11 65	36.4	19	22.00	3.5	0.37	0.0	13.7	138	26.9	73.9	72.0	2.9	3.5	10.9
46802	8	28 12 65	38.4	13	13.60	4.4	0.09	0.0	2.6	127	24.6	64.1	62.0	1.7	3.5	10.9
46802	9	24 1 66	45.4	15	16.00	5.2	0.10	0.0	5.2	130	33.1	72.9	53.6	2.8	4.2	12.3
46802	10	24 2 66	62.2	16	17.60	1.4	0.94	0.0	26.0	151	43.9	70.6	64.0	2.8	3.3	10.8
46802	11	1 3 66	49.3	15	16.30	3.6	0.22	0.0	12.8	137	34.9	70.8	65.8	2.6	3.6	9.7
46802	12	18 1 67	50.1	15	15.00	6.8	0.07	5.5	2.7	122	33.7	67.3	60.0	3.1	3.6	11.3
46802	13	27 2 67	57.0	20	20.10	0.6	0.69	0.0	8.9	133	36.4	63.9	60.0	1.7	2.1	6.5
46802	14	21 5 67	38.4	8	17.90	2.7	0.17	3.3	6.5	128	19.4	50.5	104.0	2.5	2.0	5.6
46802	15	4 9 67	35.0	7	20.10	1.8	0.37	0.0	14.4	139	20.6	58.9	116.0	2.7	3.2	11.5
46802	16	9 10 67	60.5	18	17.70	7.3	0.21	0.0	5.5	130	41.5	68.6	62.0	2.6	3.2	9.7
46802	17	24 6 68	45.1	17	22.00	3.8	0.09	0.0	24.4	149	33.2	73.6	69.0	1.8	2.6	7.5
46802	18	27 6 68	45.1	10	20.10	2.2	0.59	0.0	40.9	165	34.5	76.5	87.6	1.8	2.6	7.5
46802	19	21 12 68	40.3	7	19.90	1.7	0.47	0.0	14.5	139	30.3	75.2	67.2	1.3	2.4	11.7
46805	1	9 12 61	26.8	10	5.70	1.7	0.51	0.0	19.9	144	14.0	52.2	92.0	1.8	2.3	7.5
46805	3	16 11 63	56.4	9	12.80	1.9	0.59	0.0	13.2	138	29.7	52.7	121.0	1.6	2.0	5.2
46805	4	5 6 64	21.7	14	4.61	1.2	0.49	0.0	5.9	130	11.1	51.2	136.0	3.1	2.5	3.2
46805	5	12 11 64	53.8	13	5.77	3.0	0.19	0.0	12.8	137	25.6	47.6	72.0	2.2	3.4	8.6
46805	6	12 1 65	49.9	11	6.41	1.5	0.86	0.0	10.6	135	26.9	53.9	71.6	1.7	2.4	10.7
46805	7	12 7 65	52.1	17	7.64	2.7	1.05	0.0	71.1	196	23.6	45.3	91.0	1.7	2.5	7.3
46805	8	16 11 65	23.2	7	5.34	1.7	0.57	0.0	12.8	137	11.3	48.7	91.0	1.7	2.5	7.3
46805	9	28 11 65	44.1	9	7.75	3.0	0.45	0.0	16.1	141	19.8	44.9	72.4	2.1	2.8	9.8

Data used in unit hydrograph analysis

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	DURN (H)	PEAK FLOW (CUFECS)	LAG (H)	ANSE (CUFECS)	SMD (MM)	APIS (MM)	CWI (MM)	RUNOFF (MM)	X	UH PEAK (CUFECS PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT 0.5 PEAK (H)	UH TIME RISE (H)
47007	1	12 1 65	30.5	29	20 10	3.5	2.42	0.0	6.5	131	9.4	30.8	46.4	5.2	4.3	15.4
47007	3	1 11 65	58.5	17	18 80	4.2	1.75	0.0	15.0	140	8.1	21.0	41.2	6.2	5.5	16.0
47007	4	28 11 65	35.0	22	25 10	4.3	3.70	0.0	10.9	135	11.6	32.3	40.0	4.5	5.3	17.2
47007	5	17 12 65	48.1	41	20 80	9.2	5.62	0.0	23.4	148	28.7	59.7	29.4	4.2	6.7	26.6
47007	6	21 12 65	34.7	27	21 60	6.2	4.90	0.1	7.1	132	10.5	30.3	37.0	5.8	5.8	18.5
47007	7	23 12 65	33.1	17	21 80	6.7	3.12	0.0	1.2	126	11.1	33.5	35.4	5.8	6.3	18.8
47007	8	24 1 66	38.6	15	19 10	6.5	2.01	0.0	2.7	127	8.9	23.1	45.0	4.5	5.1	14.5
47007	9	24 2 66	30.3	17	20 90	5.6	4.92	0.0	15.8	140	12.6	41.6	26.8	6.0	8.9	23.7
47007	10	2 3 66	26.7	14	21 90	6.0	3.80	0.0	13.3	138	10.4	39.0	43.2	4.8	5.3	15.1
47007	11	5 8 66	54.0	21	22 00	3.8	0.97	0.0	6.8	131	9.2	17.0	44.0	5.0	5.0	15.1
47007	12	22 10 66	44.1	11	22 00	4.7	2.99	0.4	4.3	128	9.7	22.0	43.0	4.8	5.2	15.5
47007	13	23 2 67	24.5	11	20 50	4.3	4.37	0.0	27.3	152	8.4	34.3	36.0	5.4	6.3	18.3
47007	14	27 2 67	36.0	20	19 50	0.5	3.42	0.0	4.1	129	10.5	28.5	51.0	5.6	6.0	9.8
47007	15	24 6 68	33.8	17	19 00	6.9	1.83	0.0	19.9	144	9.3	27.5	35.6	6.2	5.9	19.4
47007	16	27 6 68	53.0	11	23 30	7.1	4.88	0.0	28.6	153	17.6	33.2	24.0	5.5	9.2	27.9
49003	1	23 12 66	35.8	21	14 10	5.9	1.56	0.0	20.3	145	18.8	52.5	37.0	3.7	6.0	18.1
49003	2	22 1 67	55.9	9	14 30	5.0	1.05	0.0	12.9	137	19.2	53.5	38.1	3.5	6.2	16.8
49003	3	27 2 67	40.0	16	14 70	2.9	1.24	0.0	6.0	131	20.5	51.2	46.2	4.0	4.6	14.9
49003	4	15 10 67	48.9	29	17 00	2.8	1.94	0.0	22.1	147	33.3	68.1	43.0	4.2	4.8	16.3
49003	5	4 11 67	26.1	12	11 40	5.7	1.96	0.0	33.1	158	12.3	47.1	40.0	4.5	6.5	14.8
49003	6	17 12 67	52.9	29	13 70	6.7	0.46	0.0	2.3	127	30.9	58.4	35.0	4.6	6.8	18.2
49003	7	21 12 68	27.8	19	10 10	3.6	0.82	0.0	6.9	131	13.0	46.8	35.0	5.2	5.9	20.0
49003	8	23 12 68	71.3	43	18 90	10.1	0.57	0.0	13.2	138	53.1	74.5	35.0	5.6	6.7	19.7
49003	9	27 7 69	114.0	26	11 50	8.1	0.18	90.2	0.2	35	18.0	15.8	33.6	3.4	5.5	18.0
49003	10	16 1 70	47.5	29	17 70	8.0	0.88	0.0	18.1	143	24.5	51.6	38.5	3.4	5.5	18.0
52004	1	22 10 66	32.9	10	23 00	8.0	1.58	46.0	2.4	81	11.1	33.7	25.0	7.4	10.2	26.1
52004	4	2 12 67	13.0	13	26 00	3.2	7.86	0.0	18.0	143	6.8	48.9	35.0	6.1	7.8	16.2
52004	5	15 10 67	39.0	55	19 20	13.4	0.88	36.8	10.2	98	14.1	36.2	19.0	8.4	13.0	32.5
52004	6	3 10 67	28.9	20	22 10	8.9	1.82	22.0	5.7	108	14.7	50.9	21.6	9.0	12.4	26.7
52004	8	27 6 68	19.6	9	18 70	6.4	1.36	31.6	9.8	103	8.4	42.9	26.5	7.3	9.7	22.6
52004	9	1 12 68	54.5	21	27 90	6.9	1.21	34.4	9.7	100	19.7	36.1	18.7	6.2	14.0	31.5
52004	10	21 12 68	20.0	7	25 00	9.2	2.93	0.0	7.9	132	8.8	44.0	30.0	7.4	7.8	21.5
52004	11	24 12 68	31.8	31	20 80	9.5	2.56	0.0	6.8	131	14.2	44.7	28.1	4.2	7.5	24.6
52004	13	12 3 69	19.8	15	20 90	7.5	3.04	0.0	15.5	140	7.5	37.9	32.1	6.0	7.7	19.2
52004	14	28 7 69	84.5	21	21 80	12.0	0.55	115.1	6.0	15	13.2	15.6	25.0	6.0	7.7	19.2
52005	3	19 1 65	26.3	24	41 90	8.6	7.04	8.7	6.2	122	8.1	30.8	23.0	9.4	10.0	28.3
52005	4	28 11 65	28.4	12	30 60	5.9	5.74	2.4	5.7	128	6.7	23.6	21.2	8.0	11.4	29.7
52005	5	8 12 65	32.0	46	34 30	17.9	5.66	0.1	3.6	128	15.5	48.4	13.5	10.7	14.4	53.6
52005	6	24 2 66	24.5	21	37 30	9.2	6.23	0.0	8.7	133	8.2	33.5	28.0	8.0	7.9	23.9
52005	7	17 4 66	39.1	53	46 00	13.1	8.29	1.2	9.7	133	15.5	39.6	16.5	10.0	13.8	39.8
52005	8	15 2 67	23.8	32	33 70	11.9	8.03	0.0	16.0	141	7.8	32.8	16.5	10.8	13.8	36.6
52005	9	30 10 67	30.2	22	26 60	10.2	4.49	22.1	11.5	114	7.9	26.2	16.5	10.8	13.8	36.6
52005	10	8 1 68	30.9	24	42 40	9.3	7.41	0.0	5.3	130	10.9	35.3	20.5	10.0	12.1	30.0

Table 3.2

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL		PEAK FLOW (CUMECs)	LAG (H)	ANSF (CUMECs)	SMP (MM)	API5 (MM)	CWT (MM)	RUNOFF (MM)	X	UH PEAK (CUMECs PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT PEAK (M)	UH TIME BASE (H)
			TOTAL (MM)	DURN (H)												
52005	11	9 7 68	76.3	31	112.00	13.1	2.38	20.0	3.8	108	38.5	50.5	17.5	10.0	16.6	34.3
52005	13	27 7 69	112.0	29	74.10	15.7	1.16	116.9	0.0	8	16.0	14.3	27.0	10.5	9.3	22.6
52006	1	1 8 65	38.6	17	29.70	9.7	1.19	20.1	2.7	98	14.0	36.3	18.4	9.6	13.0	34.4
52006	2	28 11 65	34.2	26	41.80	6.5	6.40	0.1	5.4	130	19.0	55.6	17.6	7.1	13.5	36.2
52006	3	22 12 65	18.0	13	33.10	8.6	5.39	0.0	2.2	127	11.3	62.8	24.3	7.5	8.5	28.8
52006	5	24 2 66	33.0	21	45.50	10.4	9.75	0.0	9.8	134	21.4	64.8	18.0	10.0	14.0	33.8
52006	6	22 10 66	30.6	8	32.60	12.7	4.43	0.7	3.3	127	16.8	54.9	14.5	12.7	15.8	45.1
52006	7	4 11 66	58.5	20	46.40	9.9	5.58	4.7	0.1	120	32.1	54.9	16.3	12.0	11.4	45.4
52006	8	22 1 67	20.2	30	31.90	4.4	6.49	0.0	7.6	132	12.6	62.4	24.9	10.6	10.4	23.9
52006	9	27 2 67	20.0	21	32.90	11.4	4.18	0.0	4.7	129	15.9	79.5	15.8	12.0	14.3	41.8
52006	10	3 5 67	48.2	18	38.30	0.9	2.04	29.5	0.0	95	14.1	29.3	21.6	8.6	11.0	29.5
52006	11	15 10 67	34.0	36	37.30	17.4	6.22	0.0	15.0	140	15.4	45.3	19.8	11.6	12.0	32.2
52006	12	9 7 68	53.7	29	35.80	8.3	1.91	21.9	3.9	107	16.1	30.0	17.8	9.0	13.2	32.1
52006	13	24 12 68	29.1	29	36.00	6.2	8.10	0.0	6.7	131	15.8	54.3	17.5	8.6	14.7	34.1
52006	15	12 3 69	21.2	22	39.80	6.6	7.33	0.0	12.4	137	12.9	60.8	24.8	8.6	8.4	28.0
52010	1	22 10 66	26.0	9	40.50	9.7	2.60	0.7	4.0	128	11.6	44.6	25.5	10.0	10.0	23.6
52010	2	4 11 66	63.4	19	75.60	10.9	1.04	4.7	0.1	120	33.6	53.0	21.6	11.0	13.5	24.5
52010	3	28 12 66	22.0	28	29.80	7.6	2.58	0.1	2.9	127	8.4	38.2	31.5	6.0	7.5	20.3
52010	4	15 10 67	32.0	39	23.20	13.9	3.12	5.2	18.0	137	13.9	43.4				
52010	5	8 1 68	28.1	26	40.40	9.2	3.07	0.0	6.2	131	13.6	47.7	22.4	10.4	11.0	27.6
52010	6	26 6 68	36.3	45	35.70	15.8	1.23	23.8	9.0	110	12.5	34.4	24.0	10.0	9.3	27.7
52010	7	10 7 68	46.3	19	76.00	7.7	5.74	22.1	6.2	109	31.3	67.6	21.5	9.1	12.4	26.9
52010	8	24 12 68	24.8	25	28.50	13.3	2.90	0.0	5.6	130	12.3	49.6				
52010	9	12 3 69	21.4	23	22.00	9.7	2.92	0.0	11.4	136	7.6	35.5	23.2	9.2	9.9	28.1
52805	1	22 10 66	31.0	9	18.30	2.7	0.57	0.7	3.3	127	19.9	62.4	77.4	3.2	3.5	7.4
52805	2	3 5 67	69.4	29	27.30	5.6	0.20	29.5	0.0	95	30.9	44.5	66.0	2.1	3.5	9.8
52805	3	13 10 67	21.3	14	7.51	4.4	0.38	0.0	2.9	127	6.6	31.0	59.4	2.6	3.8	11.1
52805	4	15 10 67	32.6	20	13.20	7.0	0.69	0.0	13.9	138	20.2	62.0	55.4	3.7	4.3	11.5
52805	6	4 2 68	22.9	9	6.68	3.6	0.34	0.2	0.4	125	5.7	24.9	66.0	3.0	3.5	9.8
52805	7	27 6 68	21.2	8	15.70	3.9	0.57	11.0	14.4	128	18.4	86.8	65.0	4.8	4.3	8.5
52805	8	9 7 68	47.6	20	16.70	5.8	0.18	21.9	3.6	106	16.3	34.2	48.0	3.6	4.0	13.2
52805	9	27 10 68	32.1	18	9.95	0.9	0.53	0.0	4.5	129	14.1	43.9				
52805	10	21 12 68	20.5	7	15.10	3.3	0.72	0.0	7.2	132	15.4	75.1	70.6	3.8	3.6	8.6
53005	2	1 8 65	27.1	21	15.40	9.4	3.86	3.5	12.5	134	4.1	15.1	20.5	8.9	9.1	36.0
53005	3	6 11 65	26.1	10	7.38	13.1	1.34	0.0	2.3	127	2.7	10.3	16.1	11.3	12.3	46.5
53005	4	22 10 66	21.2	8	8.61	9.7	2.15	17.8	2.2	109	2.2	10.4	19.4	11.2	10.5	36.3
53005	5	4 11 66	55.0	18	30.90	12.3	1.52	8.0	0.0	117	16.4	29.8	16.3	12.5	13.0	38.2
53005	6	1 4 67	10.5	21	5.81	11.7	2.07	4.0	0.6	121	1.5	7.7	19.0	8.0	10.0	38.3
53005	7	8 1 68	22.8	22	17.20	8.2	4.24	0.0	6.7	131	5.5	24.1	17.3	10.7	13.1	38.1
53005	8	10 7 68	79.5	21	55.50	11.0	2.84	21.3	6.0	109	22.6	28.4	19.8	10.8	11.9	32.4
53005	9	28 9 68	23.7	26	9.64	12.2	2.19	0.0	8.3	133	4.0	16.9	16.8	15.5	11.2	43.8

Data used in unit hydrograph analysis

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL		PEAK FLOW (CUMECs)	LAG (H)	ANSF (CUMECs)	SMD (MM)	APIs (MM)	CWI (MM)	RUNOFF (MM)	X	UH PEAK (CUMECs PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT 0.5 PEAK (H)	UH TIME BASE (H)
			TOTAL (MM)	DURN (H)												
53005	10	1 11 68	13.5	8	8.07	7.1	3.48	0.0	7.3	132	1.4	10.4	21.8	9.2	10.5	30.0
53005	11	25 11 68	21.8	22	10.20	14.4	2.38	0.0	4.0	129	4.0	18.3	17.6	7.5	10.1	43.0
53005	12	10 12 68	15.4	27	9.16	5.1	3.16	0.0	11.5	136	2.2	14.3	25.4	4.9	7.4	29.0
53005	13	21 12 68	18.6	16	17.20	8.9	4.23	0.0	7.8	132	4.8	25.8	21.5	6.6	8.0	35.7
53005	14	23 12 68	20.6	25	13.80	11.3	4.77	0.0	8.0	133	5.1	24.8	17.0	9.6	12.4	40.6
53005	15	27 12 68	71.1	32	8.05	9.7	0.71	102.5	0.0	22	2.5	3.5	24.8	6.3	7.9	29.0
53007	3	1 11 63	27.6	24	36.50	3.2	9.21	0.0	4.3	129	7.0	25.5	31.5	9.0	9.8	15.7
53007	5	3 11 63	29.2	15	36.70	11.0	5.45	0.0	18.0	143	7.6	26.0	17.0	14.0	14.7	36.0
53007	8	4 11 63	31.6	19	83.60	10.7	6.47	2.3	6.7	129	15.5	49.1	21.4	10.2	12.0	28.0
53007	9	6 11 63	30.0	28	24.90	8.7	2.68	8.7	0.1	116	5.6	18.7	19.8	10.0	10.4	35.4
53007	10	23 11 63	25.8	27	43.70	8.8	6.38	0.1	4.0	128	8.5	32.9	19.8	10.7	11.2	33.8
53007	11	7 11 63	30.3	34	26.20	13.1	4.65	6.7	8.7	127	8.9	29.4	20.0	9.8	11.3	33.0
53007	12	14 10 66	22.1	10	25.10	10.3	2.99	26.0	3.9	102	4.3	19.5	21.5	10.1	10.4	30.9
53007	13	22 10 66	21.5	8	33.40	11.6	4.83	0.7	3.2	127	6.3	29.3	19.8	11.4	11.2	33.8
53007	14	4 11 66	56.7	21	86.90	10.1	2.08	4.5	0.2	120	20.9	36.9	19.6	9.5	14.0	28.7
53007	16	27 2 67	23.7	21	32.50	6.5	7.52	0.0	4.0	129	16.7	70.5	18.9	9.4	15.3	32.2
53007	17	1 4 67	23.9	20	23.20	12.1	3.52	8.0	0.4	117	5.0	20.9	18.0	8.6	12.4	37.0
53007	18	5 5 67	30.6	16	16.70	9.6	2.43	29.5	0.5	96	2.8	9.2	22.4	7.5	9.7	30.2
53007	19	29 5 67	17.6	18	19.30	9.2	7.12	6.6	8.0	126	3.2	18.2	16.5	12.5	15.8	35.8
53007	21	8 11 68	21.6	22	49.90	9.1	6.95	0.0	5.0	130	9.9	45.8	20.9	9.0	11.4	30.4
53007	23	1 7 68	64.8	20	116.00	8.0	5.07	22.1	9.5	112	22.7	35.0	20.5	8.5	12.7	28.8
53007	24	7 10 68	25.4	17	24.60	10.8	3.08	5.1	0.0	119	4.6	18.1	18.0	10.6	12.8	36.2
53007	25	1 11 68	14.9	14	24.60	11.2	5.17	0.0	7.2	132	3.6	24.2	20.5	10.8	11.5	31.2
53007	26	24 12 68	21.9	24	37.60	9.3	7.38	0.0	5.7	130	8.0	36.5	21.4	8.9	11.0	30.0
53008	1	19 7 65	41.0	17	18.80	20.5	3.47	41.9	0.0	83	4.8	11.7	11.0	15.0	20.0	61.1
53008	2	23 11 65	21.3	17	32.70	9.7	6.27	0.1	3.5	128	4.0	18.8	17.8	9.8	11.2	40.1
53008	3	8 12 65	29.0	12	62.50	12.9	7.26	0.0	1.7	126	7.0	24.1	15.0	14.0	16.5	41.1
53008	4	16 12 65	57.8	51	19.50	21.7	10.60	0.0	7.0	132	33.7	58.3	15.0	10.0	17.5	39.1
53008	5	33 12 66	14.9	14	41.30	9.9	6.37	0.0	8.1	133	3.3	22.1	13.6	12.8	17.6	46.6
53008	6	17 2 67	25.3	23	62.80	12.4	10.90	0.0	18.1	143	8.1	32.0	13.6	14.4	17.6	38.9
53008	7	27 2 67	30.7	20	105.00	14.6	7.45	0.0	2.6	127	9.6	31.3	15.0	13.4	16.6	43.5
53008	9	9 7 68	101.0	28	19.00	13.4	5.92	15.8	3.2	112	24.0	23.8	16.5	9.5	16.8	34.2
53008	10	1 11 68	12.2	14	19.00	10.1	6.81	0.0	5.1	130	2.6	21.3	16.4	10.6	12.8	36.2
53008	11	24 12 68	21.1	23	33.00	15.4	8.38	0.0	6.7	131	8.2	38.9	12.4	16.0	18.0	33.7
53008	12	25 5 69	35.2	23	50.50	10.2	5.01	0.4	6.5	131	10.9	31.0	15.5	12.5	18.8	34.1
53009	1	22 10 66	20.3	8	4.02	6.7	1.37	20.9	2.7	106	1.8	8.9	24.1	6.8	9.0	28.1
53009	2	4 11 66	63.1	20	14.50	8.7	2.21	8.0	0.1	117	19.1	23.9	19.0	8.0	15.6	31.3
53009	3	1 4 67	29.5	23	3.80	9.7	1.43	4.0	0.4	121	2.2	7.5	19.7	5.0	9.6	37.9
53009	4	8 11 68	24.4	22	8.52	5.9	2.53	0.0	8.1	133	4.6	18.9	21.6	9.2	11.5	28.5
53009	5	19 7 68	64.0	19	29.90	6.3	2.40	21.3	6.8	110	15.2	23.4	24.3	8.4	9.6	26.6
53009	6	28 9 68	23.0	26	4.02	12.5	1.53	0.0	10.6	135	3.5	15.2	13.0	12.4	14.8	33.9
53009	7	1 11 68	15.2	12	4.42	5.8	2.21	0.0	5.9	130	1.5	9.9	23.5	7.5	10.0	27.5
53009	8	25 11 68	21.9	23	6.75	12.2	1.66	0.0	7.7	132	3.5	16.0	15.4	7.6	11.0	30.2

Table 3.2

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	RAINFALL DURN (H)	PEAK FLOW (CUMSECS)	LAG (H)	ANSF (CUMSECS)	SMD (MM)	APIS (MM)	CWI (MM)	RUNOFF (MM)	X	UH PEAK (CUMSECS PER 100 SQ.KM.)	TIME TO PEAK (H)	WIDTH AT PEAK (H)	UH TIME BASE (H)
53009	9	21 12 68	15.0	6	9 16	6.7	2.69	0.0	7.2	132	3.3	22.0	30.0	6.0	7.2	22.7
53009	10	24 12 68	18.3	25	6 66	11.0	2.97	0.0	5.0	130	4.2	23.0	17.4	9.0	12.4	39.1
54004	3	23 1 60	38.4	17	50 70	15.2	6.32	0.0	5.3	130	17.1	44.5	12.2	10.7	21.0	49.1
54004	4	27 1 60	32.1	28	43 70	11.3	7.77	0.0	25.3	150	17.2	53.6	11.6	11.9	19.5	56.9
54004	5	16 11 60	17.8	9	26 00	13.8	5.38	0.0	1.8	126	9.3	52.2	10.5	11.5	28.0	49.0
54004	6	3 12 60	34.7	21	50 30	18.4	3.13	0.0	0.8	125	22.0	63.4	11.0	16.0	22.5	56.1
54004	7	8 12 65	23.4	25	35 00	10.5	5.96	0.0	3.2	128	11.7	50.0	11.5	9.0	21.0	54.7
54004	8	22 12 65	27.0	22	27 50	17.1	6.22	0.2	1.5	126	11.2	53.3	9.6	12.3	23.5	68.8
54004	9	18 2 66	41.3	63	37 90	20.1	4.44	1.0	0.4	124	26.0	63.0	7.3	9.7	45.0	62.3
54004	10	29 8 66	49.3	19	29 60	8.4	6.36	64.3	5.1	65	8.5	17.2	20.0	18.0	17.0	21.6
54004	11	9 12 66	18.4	18	28 40	8.8	7.51	0.0	3.4	128	7.3	39.7	14.5	11.1	17.8	41.1
54004	12	8 3 67	24.5	22	26 60	10.1	5.17	0.0	3.6	128	9.3	38.0	11.2	14.0	23.0	53.3
54004	14	9 7 68	58.4	25	47 60	21.7	1.07	11.8	4.9	118	27.7	47.4	7.6	11.7	44.0	58.3
54004	15	11 3 69	35.7	40	41 50	17.1	2.29	6.1	0.1	119	20.5	57.4	9.5	11.0	27.5	62.1
54004	16	5 5 69	34.0	12	39 90	11.7	4.20	14.8	0.8	109	14.5	42.6	12.0	9.0	25.0	62.7
54004	17	2 8 69	29.9	6	23 50	7.1	2.64	68.2	6.7	63	4.1	13.7	19.5	4.5	15.0	27.0
54006	9	1 7 68	36.4	21	19 40	30.4	2.82	9.6	8.2	123	5.7	15.7	11.1	31.7	22.5	55.2
54006	10	12 3 69	28.3	25	20 10	24.5	2.88	0.0	3.3	128	6.7	23.7	9.7	24.7	22.1	70.4
54006	11	5 5 69	35.7	13	21 60	19.7	2.84	15.8	6.4	115	6.1	17.1	10.9	21.0	22.0	58.0
54006	12	2 8 69	28.7	22	18 00	19.3	2.95	63.4	13.9	75	5.2	18.1	6.8	26.2	35.0	93.5
54006	14	27 1 60	44.9	25	30 60	24.0	5.80	0.2	8.2	133	13.1	29.2	6.8	26.2	35.0	93.5
54007	10	24 9 65	28.6	36	34 40	12.5	1.86	44.5	3.5	84	10.2	35.7	13.0	12.0	20.5	44.9
54007	11	28 11 65	16.8	16	39 30	18.2	2.95	0.0	3.2	128	8.2	48.8	16.6	12.8	17.3	52.4
54007	12	8 12 65	27.9	31	53 80	11.7	3.33	0.0	3.0	128	13.6	48.7	11.0	15.6	17.5	66.1
54007	13	22 12 65	18.5	25	39 60	14.1	3.95	0.0	3.2	128	9.4	50.8	16.6	12.8	17.3	52.4
54007	14	18 2 66	40.7	58	42 90	15.8	2.47	0.2	0.8	125	22.9	56.3	11.0	15.6	17.5	66.1
54007	15	29 8 66	48.3	32	54 80	19.9	1.53	54.4	0.0	70	15.0	31.1	18.8	12.0	14.2	30.7
54007	16	14 10 66	14.9	3	39 70	8.4	4.88	27.2	12.5	110	6.5	43.6	20.0	15.8	14.0	27.6
54007	17	9 12 66	13.7	8	37 00	15.8	4.26	0.0	5.3	130	6.3	46.0	12.5	13.8	21.0	47.0
54007	18	8 3 67	28.0	30	44 70	11.5	2.98	0.0	3.4	128	11.8	42.1	16.8	13.6	14.2	37.8
54007	19	14 5 67	24.0	32	39 40	12.7	2.70	0.0	13.6	138	10.3	42.9	12.3	16.0	22.3	45.8
54007	21	1 7 68	57.9	21	79 60	12.9	3.11	24.0	6.7	107	20.1	34.7	12.5	13.8	21.0	47.0
54007	22	13 7 68	15.1	21	44 40	13.6	3.78	0.0	9.7	134	8.4	55.6	16.8	13.6	14.2	37.8
54007	23	12 3 69	35.1	31	58 30	15.6	2.49	1.6	5.9	129	17.5	49.9	12.3	16.0	22.3	45.8
54007	24	5 5 69	29.5	12	43 80	18.4	3.02	15.8	0.3	109	10.4	35.3	14.6	14.0	16.4	43.4
54010	3	21 1 59	22.1	26	37 00	19.3	9.54	0.0	12.3	137	9.2	41.6	17.1	16.9	16.1	32.8
54010	6	16 11 60	18.8	9	34 50	19.3	4.88	0.0	2.6	127	7.8	41.5	12.4	21.1	19.3	51.1
54010	7	3 12 60	30.2	24	52 80	17.5	5.26	0.0	2.4	127	13.9	46.0	13.9	13.9	18.3	43.4
54010	10	14 5 67	29.3	32	43 60	14.1	1.92	5.3	9.0	128	13.1	44.7	10.7	17.3	24.0	55.9
54010	12	0 7 68	85.2	48	82 70	12.7	1.89	42.3	1.9	84	20.9	24.5	14.0	9.6	19.0	49.4
54010	13	12 3 69	23.7	33	33 90	21.2	3.51	1.2	6.8	130	9.8	41.4	12.0	21.2	18.2	56.3

Data used in unit hydrograph analysis

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	DURN (H)	PEAK FLOW (CUMSECS)	LAG (H)	ANSF (CUMSECS)	SMD (MM)	API9 (MM)	CWT (MM)	RUNOFF (MM)	X	UH PEAK PER 100 SQ. KM.	TIME TO PEAK (H)	WIDTH AT PEAK (H)	UH TIME BASE (H)
54011	3	19 7 65	21.9	22	7.51	11.5	0.92	64.8	2.5	62	2.8	12.8	13.5	17.0	48.4	
54011	4	7 9 65	34.8	45	8.69	14.0	1.14	47.1	2.0	79	4.2	12.1	11.9	21.5	50.4	
54011	5	24 9 65	25.3	37	11.80	19.8	2.70	0.0	7.3	132	5.8	22.9	12.6	19.4	49.5	
54011	6	28 11 65	18.5	15	15.10	15.6	1.09	0.0	2.9	127	7.1	38.4	16.7	13.3	40.0	
54011	7	8 12 65	20.2	19	30.30	11.9	2.05	0.0	2.5	127	11.0	54.5	14.0	16.8	45.8	
54011	8	22 12 65	15.5	22	11.70	14.9	1.62	0.0	1.9	126	4.9	31.6	19.0	12.5	53.5	
54011	10	7 5 66	23.8	31	13.00	19.9	0.98	2.8	6.1	128	4.0	19.2	17.0	12.8	39.8	
54011	11	2 2 67	11.0	7	15.30	13.8	1.11	0.0	9.6	134	4.9	44.5	14.0	19.0	41.4	
54011	12	8 3 67	27.0	30	18.20	14.2	1.02	0.0	3.0	128	9.0	33.3	23.5	16.0	39.7	
54011	13	27 5 67	13.2	10	16.10	11.3	2.69	0.0	11.2	136	4.3	32.6	18.0	13.5	54.8	
54011	14	9 7 68	51.0	26	37.00	15.9	1.57	49.6	3.8	79	15.1	29.6	17.8	13.8	34.9	
54011	16	5 5 69	31.3	13	38.00	12.4	0.97	22.4	2.8	105	11.8	37.7	14.3	13.6	50.6	
54011	18	25 5 69	16.6	6	34.20	10.3	3.31	0.0	22.6	147	10.8	65.1	14.8	15.6	43.9	
54011	19	28 11 70	27.6	37	14.60	11.1	0.66	1.0	2.5	126	7.4	26.8	21.5	13.6	43.9	
54011	21	12 1 72	19.4	26	20.00	13.4	0.96	0.0	9.0	134	8.5	43.8	8.8	12.4	26.9	
54011	22	2 2 72	21.0	45	18.80	14.6	3.92	0.0	4.4	129	4.4	21.0	10.0	26.0	63.2	
54016	1	29 4 62	15.3	15	10.20	16.6	2.93	0.4	4.2	128	3.2	20.9	7.6	27.0	92.3	
54016	2	28 3 63	15.4	32	7.42	27.8	1.54	4.3	1.2	121	3.6	23.4	6.7	35.7	94.6	
54016	3	24 1 63	34.2	49	11.30	33.5	1.73	49.0	1.0	177	6.9	20.2	8.8	27.5	71.4	
54016	4	23 3 64	26.4	26	14.90	37.1	2.04	13.6	1.2	112	10.0	37.9	6.5	34.3	102.5	
54016	5	11 12 64	27.1	32	6.98	18.2	1.19	76.4	2.7	51	3.0	11.1	8.6	22.8	83.7	
54016	6	9 12 66	23.2	25	14.80	34.0	4.63	0.0	5.2	130	8.7	37.5	5.8	39.5	112.7	
54016	7	27 2 67	22.7	44	15.80	31.6	2.75	0.6	5.4	129	9.4	41.4	9.0	26.4	70.8	
54016	8	8 3 67	23.3	34	10.00	27.0	2.41	3.3	1.4	123	6.0	25.8	6.4	38.5	96.8	
54016	9	15 10 67	40.5	58	10.30	28.1	1.42	46.4	3.3	81	7.4	18.3	9.0	30.6	96.8	
54016	10	4 11 67	27.6	51	15.80	37.2	3.13	28.4	3.1	99	11.3	40.9	6.4	38.5	96.8	
54016	12	27 5 68	18.1	9	11.30	22.9	2.23	7.1	16.8	134	5.2	28.7	9.2	32.0	56.9	
54016	13	30 6 68	63.8	41	31.50	35.0	1.78	15.2	4.2	114	26.8	42.0	5.7	28.0	122.1	
54016	17	12 3 69	31.0	68	21.50	28.1	2.36	5.7	1.7	121	14.7	47.4	6.4	38.5	96.8	
54016	18	3 5 69	38.4	23	14.60	30.5	1.77	24.8	0.1	100	6.6	17.2	9.0	32.0	56.9	
54016	19	5 5 69	41.5	52	24.80	11.3	5.89	0.0	17.1	142	13.2	31.8	5.7	36.5	122.1	
54016	20	24 5 69	56.8	79	24.80	26.1	2.74	0.0	1.8	126	21.9	38.6	8.3	29.0	76.0	
54019	2	28 3 63	30.7	38	36.80	29.2	2.48	10.0	3.3	118	14.0	45.6	8.3	29.0	76.0	
54019	3	17 11 63	37.7	45	12.70	37.0	1.19	6.5	0.4	118	7.9	21.0	5.7	36.5	122.1	
54019	4	23 3 64	18.2	25	16.80	37.3	2.62	1.4	1.7	125	7.9	43.4	6.4	38.5	96.8	
54019	5	28 11 65	20.6	34	20.60	40.2	4.66	0.0	3.6	128	5.4	26.2	6.4	38.5	96.8	
54019	6	8 12 65	21.4	31	22.10	38.3	3.21	0.0	2.7	127	9.1	42.5	9.0	32.0	56.9	
54019	7	22 12 65	22.6	48	24.30	37.0	4.00	0.0	1.9	126	10.4	46.0	5.7	36.5	122.1	
54019	8	18 2 66	30.0	63	24.20	41.9	2.69	1.6	0.1	123	20.5	68.3	8.3	29.0	76.0	
54019	9	29 8 66	61.9	33	16.20	60.2	0.36	73.6	0.2	51	10.5	17.0	5.7	36.5	122.1	
54019	10	12 10 66	44.0	92	20.20	41.7	1.12	12.3	1.3	114	20.2	45.9	6.4	38.5	96.8	
54019	11	9 12 66	21.7	57	24.80	36.5	5.60	0.0	3.0	128	11.1	51.2	9.0	32.0	56.9	
54019	12	27 2 67	18.0	17	22.20	37.0	3.96	0.0	1.9	126	7.1	39.4	8.3	29.0	76.0	
54019	13	8 3 67	23.3	49	17.80	35.6	2.28	2.4	2.3	124	9.5	40.8	5.7	36.5	122.1	
54019	14	14 5 67	37.6	50	39.20	36.8	1.30	0.0	8.6	133	18.3	48.7	8.3	29.0	76.0	

Table 3.2

CATCH NO.	EV. NO.	DATE OF STORM	RAI: FALL TOTAL (MM)	DURN (H)	PEAK FLOW (CUMECS)	LAG (H)	ANSE (CUMECS)	SMD (MM)	APIS (MM)	CWI (MM)	RUNOFF (MM)	X	UH PEAK (CUMECS PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT PEAK (H)	UH TIME BASE (H)
54019	15	26 5 67	21.7	26	20.30	30.7	3.30	0.0	4.4	129	8.1	37.3	8.7	32.0	23.0	77.8
54019	17	9 7 68	75.2	24	98.60	27.9	2.30	25.2	3.1	102	28.4	37.8	7.8	44.0	36.5	69.4
54019	18	1 11 68	25.1	17	35.10	36.4	6.35	0.0	5.5	130	9.9	39.4	8.2	35.4	30.0	73.6
54019	20	12 3 69	26.5	31	32.30	35.9	2.79	1.0	6.1	130	14.1	53.2				
54019	21	5 5 69	36.3	12	38.90	31.7	0.91	30.1	1.4	96	14.0	38.6				
54020	1	25 11 63	20.4	22	9.22	17.0	2.85	33.0	8.4	100	4.4	21.6	9.2	18.2	26.8	67.3
54020	2	23 3 64	27.5	26	10.50	14.3	2.50	0.0	4.2	129	6.2	22.5	10.3	13.8	18.7	70.6
54020	4	14 10 66	32.7	34	6.27	20.1	1.45	19.2	2.9	108	5.3	16.2	6.6	22.2	40.3	87.9
54020	5	3 11 66	51.6	42	11.70	31.1	3.08	0.0	4.2	129	14.9	28.9				
54020	6	8 3 67	31.0	34	9.07	20.1	2.32	3.3	0.3	122	6.7	21.6	9.7	13.8	19.5	73.4
54020	7	15 10 67	43.0	48	7.49	17.3	1.74	35.2	6.2	95	7.0	16.3	6.6	16.8	43.2	82.1
54020	10	5 5 69	31.8	52	10.60	10.9	2.92	1.6	4.9	128	8.1	25.5	8.4	15.3	35.5	61.4
54020	11	29 5 69	38.6	30	9.31	28.9	3.46	0.0	9.7	134	8.7	22.5	5.3	19.3	56.0	90.2
54022	2	12 5 68	52.9	11	8.07	3.7	0.50	0.0	13.1	138	27.2	51.4	56.6	2.4	3.9	11.8
54022	3	24 5 68	34.2	17	1.57	3.7	0.14	9.1	0.0	115	6.3	30.6	54.0	4.3	4.3	12.0
54022	4	24 6 68	20.6	4	4.52	2.1	0.58	0.0	16.9	141	19.8	52.1	77.0	2.3	3.5	7.4
54022	5	26 6 68	38.0	14	7.65	2.1	0.77	0.0	25.8	150	10.9	32.0	66.0	2.3	3.1	10.6
54022	6	2 7 68	34.1	18	3.44	2.2	0.47	0.0	26.1	151	25.1	36.4	58.0	1.9	3.1	13.0
54022	7	19 9 68	68.9	32	7.46	4.1	0.21	1.0	1.7	125	15.2	37.2	61.0	1.5	2.8	12.6
54022	8	28 9 68	40.9	26	6.58	1.6	0.77	0.0	19.0	144	23.9	36.7	83.0	1.6	1.8	9.8
54022	9	2 10 68	39.5	21	6.95	1.4	0.95	0.0	17.7	142	11.4	38.0	64.0	1.7	2.9	11.6
54022	10	22 11 68	34.1	15	4.56	3.1	0.28	0.0	7.6	132	12.5	36.7	68.0	1.2	3.2	10.0
54022	11	26 11 68	30.0	24	3.53	2.8	0.53	0.0	15.0	140	19.7	58.6	58.6	2.3	2.8	13.4
54022	12	19 12 68	33.6	29	5.10	4.0	0.40	0.0	8.7	133	26.3	76.5	56.0	1.5	3.0	13.9
54022	13	19 1 69	34.4	14	7.36	3.9	0.77	0.0	21.1	146	24.0	53.1	48.0	1.3	4.5	14.2
54022	14	3 3 69	45.2	18	8.05	2.9	0.86	0.0	25.2	150	16.6	44.3	70.0	1.3	2.4	11.1
54022	15	1 4 69	37.5	11	5.54	2.7	0.58	0.0	20.1	145	8.6	35.0	85.0	2.2	2.4	8.7
54022	16	14 4 69	24.6	10	4.19	3.2	0.68	0.0	13.1	138	9.0	27.5	64.0	2.4	3.0	11.4
54022	17	25 4 69	32.7	13	3.60	2.3	0.48	0.0	13.4	138	11.2	37.3	56.6	1.8	2.9	13.8
54022	18	2 6 69	30.0	13	4.31	3.4	0.43	4.3	2.7	123	3.7	10.9	64.0	1.8	2.8	11.8
54022	19	10 9 69	34.0	20	2.56	2.7	0.14	29.4	0.7	96	5.6	23.1	74.0	2.7	2.7	9.4
54022	20	21 9 69	24.2	7	5.46	1.8	0.44	0.0	11.9	136	20.1	63.0	100.0	1.3	2.2	6.7
54022	21	19 2 70	31.9	16	5.73	3.3	1.09	0.0	23.4	148	9.0	24.8	48.0	3.0	3.5	12.2
54022	22	5 4 70	36.3	15	4.62	2.3	0.34	0.8	5.4	129	32.1	62.8	73.0	1.7	2.8	9.6
54022	23	21 4 70	51.1	19	9.04	3.3	1.12	0.0	44.3	169	18.2	49.4	56.5	2.1	3.6	12.5
54022	24	15 8 70	46.2	16	8.71	2.0	0.36	0.0	8.4	133	22.0	39.3	76.4	1.8	2.5	9.4
54022	25	9 9 70	44.6	21	9.26	1.7	0.80	0.0	21.1	146	37.8	63.2	88.0	1.9	1.9	8.8
54022	26	27 10 70	59.8	23	9.90	4.6	1.10	0.0	34.6	159	31.0	52.5	88.0	1.9	2.7	12.3
54022	27	1 11 70	59.1	16	11.30	2.8	0.84	0.0	43.9	168			55.0	1.4	2.9	14.4

Data used in unit hydrograph analysis

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	DIURN (H)	PEAK FLOW (CUMECS)	LAG (H)	ANSF (CUMECS)	SMD (MM)	API5 (MM)	CWI (MM)	RUNOFF (MM)	X	UH PEAK (CUMECS PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT PEAK (H)	UH TIME BASE (H)
55008	1	19 9 68	72.4	30	8 91	4.9	0.33	2.0	1.4	124	20.7	28.6	48.0	2.5	3.5	16.2
55008	2	2 10 68	40.9	22	8 92	1.7	1.36	0.0	21.6	146	27.1	66.3	65.0	3.2	3.4	10.3
55008	3	22 11 68	36.5	13	5 23	5.2	0.37	0.0	5.5	130	13.4	36.7	47.0	3.5	4.1	15.5
55008	5	25 1 69	24.5	16	8 99	2.0	1.96	0.0	41.2	166	17.0	69.4	90.0	1.6	2.0	8.4
55008	7	29 3 69	41.5	25	8 24	2.5	0.39	5.7	1.3	120	20.8	50.1	90.0	3.0	2.3	7.8
55008	8	30 3 69	48.0	18	13 30	2.4	1.03	0.0	29.7	154	27.3	56.9	92.0	2.8	2.7	6.7
55008	9	1 4 69	39.5	11	13 20	1.9	0.83	0.0	14.0	139	17.3	43.8	112.0	1.7	1.7	6.5
55008	10	25 5 69	59.1	25	10 10	3.9	0.46	0.0	6.6	131	22.2	37.6	70.0	2.1	2.4	11.1
55008	11	2 6 69	31.0	13	7 91	2.5	0.55	4.3	2.6	123	13.7	44.2	78.4	1.5	2.8	8.6
55008	12	11 8 69	104.0	41	17 20	7.1	0.37	81.7	0.5	43	29.1	28.0	49.2	1.0	2.7	17.2
55008	13	8 11 69	47.6	25	11 40	0.1	1.30	0.0	20.7	145	21.9	46.0	90.0	1.9	2.5	7.4
55008	14	1 11 69	30.8	9	14 70	1.6	2.76	0.0	48.9	173	14.6	47.4	108.0	2.5	2.4	5.5
55008	16	2 2 70	106.0	28	15 80	4.3	1.25	0.0	28.4	153	65.2	61.5	88.0	2.4	2.3	8.0
55008	17	5 4 70	37.7	14	10 00	2.5	0.56	0.0	4.7	129	15.7	41.6	92.0	1.2	1.8	8.5
55008	18	21 4 70	26.7	10	13 50	0.7	1.97	0.0	54.0	179	15.1	56.6	96.8	1.9	2.4	6.7
55008	19	15 8 70	43.2	10	11 70	1.5	1.15	0.0	13.0	138	15.6	36.1	92.0	2.1	2.5	7.1
55008	20	26 10 70	87.6	32	13 40	5.6	0.91	0.0	25.2	150	50.6	57.8	58.0	2.1	3.0	13.2
55008	21	1 11 70	61.1	15	23 40	1.6	1.49	0.0	40.5	165	34.2	56.0	91.2	1.1	2.5	7.2
55008	22	4 11 70	26.2	8	13 90	1.6	1.37	0.0	32.5	157	15.1	57.6	107.0	1.7	2.4	5.6
55008	23	11 2 71	81.4	22	16 10	3.8	0.47	2.6	0.0	122	45.2	55.5	80.0	1.5	2.0	9.9
55008	24	21 1 69	19.2	18	7 72	0.5	2.26	0.0	61.2	186	9.5	49.5	85.0	1.5	2.3	8.5
56003	2	7 12 65	34.2	50	34 50	7.4	3.25	0.0	3.1	128	25.6	74.9	41.0	4.9	5.0	17.1
56003	4	24 2 66	41.7	13	17 80	4.7	3.78	0.0	6.2	131	7.9	18.9	46.5	3.2	4.8	14.3
56003	6	3 10 66	17.1	8	10 50	5.7	1.13	0.0	6.7	131	3.4	19.9	41.0	3.9	5.2	16.7
56003	7	9 12 66	28.3	21	17 70	2.5	3.72	0.0	3.0	128	10.9	38.5				
56003	8	27 2 67	47.3	19	24 40	6.7	3.60	0.0	8.3	133	14.7	31.1	28.5	5.4	6.6	26.1
56003	9	15 10 67	65.9	57	40 10	4.3	3.84	0.0	9.6	134	25.9	39.5	37.0	4.2	6.3	17.5
56003	10	22 12 67	11.2	13	18 20	3.5	4.75	0.0	12.8	137	4.1	36.6	52.4	3.1	4.0	13.2
56003	11	26 6 68	17.9	20	11 00	4.8	1.30	21.9	5.8	108	4.4	24.6	39.2	3.5	5.2	18.0
56005	6	1 7 68	37.7	14	27 20	4.4	3.49	1.8	3.4	126	9.0	23.9	31.5	5.7	7.4	20.5
56005	7	10 7 68	57.4	19	51 90	5.8	4.72	1.4	8.5	132	16.3	28.4	33.0	6.5	5.7	22.5
56005	8	26 10 68	87.8	52	41 60	11.9	3.45	2.0	0.7	123	36.3	41.5				
56005	9	25 11 68	35.1	25	24 90	4.1	3.82	0.0	5.5	130	8.3	23.6	33.0	2.4	6.0	21.7
56005	10	21 12 68	34.9	23	32 30	3.3	8.22	0.0	23.6	148	11.5	33.0	31.5	3.0	4.4	26.5
56005	11	6 1 71	44.8	25	36 90	7.7	3.39	0.0	0.4	125	16.4	36.6	33.0	3.0	5.9	21.9
56006	1	11 12 64	81.7	39	194 00	7.9	12.60	0.0	12.9	137	52.3	64.0	48.6	4.4	4.8	13.5
56006	3	8 12 65	51.4	25	153 00	5.6	11.80	0.0	14.1	139	28.9	56.2	51.2	4.2	4.5	12.7
56006	4	16 12 65	145.0	52	224 00	6.1	11.40	0.0	13.0	138	106.0	73.1	34.4	2.5	6.6	19.1
56006	5	24 2 66	53.4	16	201 00	3.3	15.00	0.0	11.5	136	31.9	59.7	62.0	3.6	4.0	9.9
56006	6	27 2 67	65.2	18	251 00	5.3	12.60	0.0	11.6	136	43.5	66.7	39.8	6.0	5.5	14.9
56006	7	16 10 67	83.7	19	254 00	3.6	16.10	0.0	20.1	145	50.1	59.9	42.7	6.0	5.2	15.6

Table 3.2

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL		PEAK FLOW (CUMEC/S)	LAG (H)	ANSE (CUMEC/S)	SMD (MM)	APIS (MM)	CHI (MM)	RUNOFF (MM)	X	UH PEAK (CUMEC/S PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT 0.5 PEAK (H)	UH TIME BASE (H)
			TOTAL (MM)	DURN (H)												
57004	1	30 11 66	54.5	37	34.90	9.3	4.55	0.0	15.4	140	24.5	45.0	19.0	6.0	9.5	39.5
57004	2	9 12 66	47.4	37	27.70	8.9	3.19	0.0	5.7	130	18.7	39.5	18.5	7.6	10.5	39.1
57004	3	30 12 66	45.5	17	61.90	7.9	8.69	0.0	17.0	142	17.8	39.1	20.4	7.0	12.5	29.9
57004	4	19 2 67	39.1	24	34.20	10.0	7.44	0.0	18.9	143	15.9	40.7	25.4	8.1	9.8	24.2
57004	5	27 2 67	77.9	20	76.90	17.2	8.18	0.0	10.3	135	41.6	53.4	21.7	4.6	7.2	36.8
57004	7	4 9 67	47.5	21	30.30	6.6	1.94	0.0	12.2	137	16.4	34.5	21.4	8.0	10.0	32.0
57004	8	30 9 67	46.2	29	40.30	9.1	5.72	0.0	12.6	137	18.7	40.5	21.4	9.4	11.5	35.5
57004	9	15 10 67	88.6	26	93.80	9.1	10.10	0.0	19.6	144	31.4	58.0	19.0	6.0	9.8	29.8
57004	10	22 12 67	63.3	33	38.50	9.5	4.55	0.0	6.8	131	28.9	45.7	22.5	6.0	9.8	29.8
57004	12	15 1 68	33.9	20	40.90	8.4	8.44	0.0	14.8	139	19.9	58.7	31.6	5.2	7.2	20.8
57004	13	22 3 68	98.1	45	49.70	6.8	4.56	0.0	7.5	132	50.2	51.2	20.0	6.4	9.2	37.2
57004	14	1 7 68	37.1	15	31.40	3.5	5.90	0.0	11.1	136	9.3	25.1	16.5	6.4	9.0	42.1
57004	15	9 7 68	35.4	23	29.30	4.9	2.81	4.5	3.1	123	8.8	24.9	23.7	5.4	7.6	31.7
57004	16	10 10 68	51.1	36	31.20	10.6	4.20	0.0	12.6	137	19.7	38.6	18.5	5.8	9.0	30.1
57004	17	26 10 68	72.6	46	33.50	12.3	3.34	1.6	0.0	123	33.3	43.2	20.0	7.6	10.7	36.2
57004	18	21 12 68	38.6	26	30.40	6.2	6.43	0.0	16.5	141	15.4	32.2	17.5	4.0	7.8	18.9
57004	19	25 4 69	35.1	31	25.10	6.9	2.27	0.0	6.4	131	11.3	32.2	23.0	5.8	8.2	31.9
57004	20	11 8 69	61.1	21	32.10	7.3	2.54	3.4	3.8	125	18.4	30.1	18.5	7.7	9.0	29.5
57005	1	22 3 68	116.0	64	241.00	7.7	19.50	0.0	10.2	135	64.5	55.6	20.0	7.6	7.5	40.6
57005	2	12 5 68	33.2	14	118.00	6.1	15.20	0.0	6.6	131	9.8	29.5	26.8	7.2	8.4	24.7
57005	3	26 6 68	40.3	20	143.00	8.5	24.00	0.0	19.8	144	14.9	37.0	21.2	6.2	11.0	30.5
57005	4	2 7 68	26.7	5	160.00	5.2	45.70	0.0	26.9	151	8.8	33.0	30.0	5.5	8.5	20.1
57005	5	10 10 68	47.5	38	163.00	7.4	22.40	0.0	15.1	140	20.9	44.0	25.0	4.7	8.2	28.1
57005	6	26 10 68	79.9	49	216.00	9.1	19.00	1.6	0.3	123	41.3	51.7	20.0	6.0	10.7	36.2
57005	7	17 1 69	50.9	38	159.00	7.6	30.60	0.0	13.4	138	22.5	44.2	17.5	10.5	11.3	40.9
57005	8	10 11 69	41.5	12	157.00	4.8	23.30	0.0	16.2	141	11.6	28.0	32.2	4.0	7.8	18.9
57005	9	14 1 70	52.9	34	239.00	10.9	38.00	0.0	24.1	149	26.7	50.5	23.0	5.8	8.2	31.9
57005	10	1 11 70	43.7	13	248.00	7.3	35.60	0.0	14.4	139	26.6	60.9	23.5	7.7	9.0	29.5
58001	1	26 1 61	31.6	14	59.40	2.9	8.60	0.5	0.2	124	6.3	19.9	54.4	3.5	4.2	12.0
58001	2	10 9 62	66.7	29	114.00	5.2	6.35	0.0	4.0	129	18.5	27.7	39.8	4.2	4.0	19.9
58001	3	16 11 63	55.4	16	107.00	4.9	16.30	0.0	21.7	146	11.4	20.6	40.8	6.5	4.9	17.5
58001	4	18 11 63	48.5	29	128.00	4.7	39.80	0.0	75.4	200	12.4	21.8	41.0	4.0	4.7	17.7
58001	5	13 7 64	56.8	27	48.80	3.7	8.30	1.9	21.6	144	9.9	18.6	33.8	5.1	7.3	18.5
58001	6	12 11 64	53.1	12	62.40	5.3	3.60	0.0	9.8	134	19.2	38.2	40.4	4.5	5.4	16.7
58001	7	12 12 64	50.3	24	101.00	4.2	18.90	0.0	32.7	157	17.6	36.9	39.8	4.7	6.0	15.9
58001	9	15 1 65	50.5	25	63.50	3.9	18.80	0.0	24.1	149	8.9	30.9	23.0	3.5	8.5	31.3
58001	10	24 6 65	28.8	15	45.80	4.9	8.86	0.0	19.2	144	23.2	31.3	31.7	4.2	6.4	22.3
58001	11	7 7 65	74.1	48	45.50	5.1	6.91	28.2	27.6	124	121.0	75.2	23.0	4.0	7.0	34.3
58001	12	8 12 65	52.6	19	99.60	9.8	16.40	0.0	20.2	145	32.3	61.4	23.0	4.8	5.2	28.2
58001	13	16 12 65	161.0	51	149.00	7.4	19.30	0.0	22.1	147	20.7	45.0	28.8	4.3	7.0	18.7
58001	15	30 12 66	46.0	17	120.00	4.0	23.20	0.0	30.5	155	15.1	31.3	34.0	3.2	3.6	16.3
58001	16	27 2 67	48.3	21	94.40	3.0	11.60	0.0	6.9	131	35.4	45.0	26.3	4.2	4.4	33.5
58001	17	28 7 67	78.4	29	113.00	8.5	8.76	16.1	27.9	136	32.1	51.9	33.8	5.4	4.7	23.5
58001	18	15 10 67	61.8	20	116.00	5.7	17.90	0.0	23.4	148	13.6	33.3	37.2	4.9	4.4	21.1
58001	19	26 6 68	40.9	19	111.00	6.1	14.70	0.0	35.6	160	13.6	33.3	37.2	4.9	4.4	21.1

Data used in unit hydrograph analysis

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	DURN (H)	PEAK FLOW (CUMEC/S)	LAG (H)	ANSF (CUMEC/S)	SMD (MM)	API (MM)	CHI (MM)	RUNOFF (MM)	X	UH PEAKS (CUMEC/S PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT PEAK (H)	UH TIME BASE (H)
58001	20	27 10 68	49.8	29	69 70	4.1	15.40	0.0	22.3	147	22.6	45.4	20.3	2.7	10.0	34.8
58001	21	1 11 70	78.3	33	144.00	4.3	21.70	0.0	43.5	168	49.3	63.0	29.0	4.1	6.0	26.3
58002	1	11 12 64	119.0	35	241 00	5.0	12.60	0.0	16.8	141	76.8	64.5	32.7	4.3	8.2	17.6
58002	2	7 12 65	89.1	34	202 00	6.0	6.26	0.0	5.8	130	54.6	61.3	42.2	3.6	4.7	17.0
58002	3	16 12 65	205.0	57	273 00	4.2	8.19	0.0	20.7	145	172.0	83.9	42.5	3.0	4.7	16.8
58002	4	30 12 66	43.5	17	185 00	3.5	16.60	0.0	29.3	154	27.9	64.1	47.2	3.7	4.3	19.0
58002	5	27 2 67	73.1	33	260 00	5.4	10.20	0.0	14.8	139	60.3	82.5	37.5	5.0	5.2	19.3
58002	6	1 10 67	43.0	17	202 00	4.3	14.90	0.0	18.2	143	28.3	65.8	45.0	4.3	5.0	14.7
58002	7	2 10 67	42.6	40	183 00	3.8	14.20	0.0	41.3	166	25.0	58.7	44.7	2.9	4.9	19.1
58002	8	15 10 67	97.6	25	308 00	5.7	7.67	0.0	23.8	148	84.7	86.8	25.5	5.0	5.0	33.6
58002	9	10 11 69	59.8	14	160 00	5.0	2.24	0.0	17.9	142	19.3	48.5	25.5	5.0	5.0	33.6
58003	1	15 1 65	40.5	26	18 20	9.8	3.14	0.0	15.5	140	18.0	44.4	25.0	6.8	10.0	24.5
58003	2	1 12 65	17.4	10	18 10	5.2	3.65	0.0	10.2	135	6.7	38.5	34.5	6.8	6.7	18.8
58003	3	8 12 65	49.3	32	20 10	4.8	3.52	0.0	3.5	128	18.4	37.3	28.5	7.0	8.7	21.6
58003	4	16 12 65	92.3	51	21 00	8.4	4.41	0.0	12.8	137	46.9	50.8	34.3	4.1	7.3	17.8
58003	5	2 3 66	27.9	13	17 90	5.8	2.59	0.0	12.4	137	9.2	33.0	36.2	3.8	5.5	19.7
58003	6	21 4 66	35.6	25	17 80	4.7	2.66	1.0	4.8	128	12.0	33.7	28.3	5.2	7.0	23.3
58003	7	19 2 67	38.3	45	19 20	11.8	1.70	0.0	13.9	138	11.6	30.3	34.0	6.9	6.6	19.5
58003	9	18 12 67	35.2	17	18 30	7.6	1.38	0.0	2.8	127	11.3	32.7	34.0	6.0	7.0	20.5
58003	10	22 12 67	35.2	20	18 50	4.3	2.08	0.0	11.6	136	11.3	32.1	32.2	5.8	7.3	20.8
58003	11	8 1 68	36.4	23	18 50	4.9	1.90	0.0	7.8	132	10.9	29.9	31.4	5.8	7.3	20.8
58003	12	9 7 68	38.4	25	19 40	7.4	1.59	4.5	3.9	124	10.0	26.0	33.0	5.3	6.4	20.9
60002	2	8 12 65	47.1	39	126 00	11.3	33.00	0.0	20.0	145	24.1	51.2	20.3	9.4	10.9	33.0
60002	3	16 12 65	100.0	49	155 00	12.0	26.50	0.0	20.9	145	69.9	69.9	17.1	6.8	10.1	44.8
60002	4	26 2 67	56.6	20	163 00	3.6	20.40	0.0	7.0	132	21.0	37.1	28.3	3.8	8.8	21.7
60002	5	1 10 67	55.1	14	166 00	8.7	27.70	0.6	22.5	146	28.4	51.5	20.4	6.5	11.0	32.5
60002	6	15 10 67	56.5	18	152 00	6.8	34.90	0.0	21.4	146	27.4	48.5	20.8	4.7	11.2	31.1
60002	7	15 1 68	39.7	21	112 00	8.3	24.00	0.0	10.1	135	18.7	47.1	21.2	10.0	9.5	33.5
60002	8	19 1 69	81.1	44	140 00	9.5	25.80	0.0	12.2	137	45.7	56.4	13.9	5.7	14.8	30.4
60007	1	2 7 68	27.9	15	152 00	3.2	35.70	0.0	43.5	168	13.7	49.1	40.0	3.0	4.1	19.6
60007	3	10 11 69	67.6	24	235 00	3.4	21.10	0.0	20.2	145	35.9	53.1	36.5	3.0	3.7	19.1
60007	4	13 12 69	42.7	29	203 00	3.2	20.80	0.0	1.7	126	26.1	61.1	46.0	4.0	4.5	19.2
60007	5	1 11 70	29.4	14	177 00	0.7	51.70	0.0	16.8	139	12.9	43.9	38.7	5.6	4.6	19.5
60007	7	18 10 71	36.1	19	193 00	4.0	24.80	0.0	18.2	143	19.4	53.7	56.0	3.9	5.7	8.5
61001	1	10 9 62	42.6	38	19 60	9.4	1.68	0.0	7.2	132	5.4	12.7	20.6	9.8	11.0	32.0
61001	2	29 9 62	40.6	29	26 50	7.3	1.63	0.0	9.3	134	6.3	15.5	24.0	7.5	10.5	23.3
61001	4	16 11 63	34.0	26	42 00	9.1	8.64	0.0	9.9	134	11.1	32.6	19.5	9.0	13.0	31.0
61001	5	27 11 63	26.0	46	35 50	5.8	7.80	0.0	6.1	131	5.9	22.7	28.1	6.8	7.7	24.2
61001	6	12 1 65	24.8	16	34 60	8.3	7.09	0.0	10.4	135	5.6	22.6	28.4	5.4	7.0	23.2

Table 3.2

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	RAINFALL DURN (H)	PEAK FLOW (CUMecs)	LAG (H)	ANSF (CUMecs)	SMD (MM)	APIS (MM)	CWI (MM)	RUNOFF (MM)	X	UM PEAK (CUMecs PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT PEAK (H)	UM TIME BASE (H)
61001	8	16 11 65	39.3	46	36.00	10.9	5.09	0.0	0.7	125	4.6	11.7	32.6	6.2	6.7	20.7
61001	10	28 11 65	31.5	41	43.20	1.3	9.69	0.0	6.5	131	8.0	25.4	27.0	7.0	10.2	20.8
61001	11	16 12 65	36.3	31	52.50	4.4	13.00	0.0	14.7	139	8.6	25.1	23.2	8.0	10.9	26.1
61001	13	21 4 66	35.7	25	48.10	7.0	11.80	1.0	13.0	137	10.7	30.0	25.5	8.5	8.8	26.0
61001	15	12 8 66	36.5	35	41.20	6.9	4.78	0.0	9.8	134	8.0	21.9	23.4	6.8	8.7	30.1
61001	17	26 2 67	38.7	43	53.00	5.9	14.10	0.0	11.0	136	11.7	30.2	26.1	6.2	8.0	26.6
61001	18	28 9 67	37.3	35	43.90	8.0	8.37	0.0	5.8	130	8.5	22.8	28.1	6.3	7.7	24.2
61001	19	1 10 67	37.3	11	53.10	8.1	11.60	0.4	15.3	139	10.3	27.6	29.4	5.8	6.9	27.0
61001	20	4 11 67	30.7	22	54.30	8.0	16.40	0.2	6.2	131	12.2	39.7	24.2	5.5	9.5	23.2
61001	21	26 6 68	24.8	22	25.30	6.6	3.22	24.8	9.6	109	3.8	15.3	22.2	5.5	8.0	20.7
61001	22	16 12 68	33.1	29	34.00	3.9	8.10	0.0	7.7	132	7.5	22.7	22.2	8.4	8.2	31.5
61001	23	20 12 68	25.8	22	36.20	5.2	10.90	0.0	12.6	137	4.9	19.0	30.3	8.7	8.7	22.9
61001	24	21 12 68	15.4	25	40.10	4.7	13.60	0.0	29.6	154	4.4	28.6	22.2	5.5	6.5	24.5
61001	25	23 12 68	28.3	41	44.70	10.8	12.20	0.0	8.9	133	9.6	33.9	26.3	6.7	8.9	24.5
61001	26	17 11 70	22.3	13	51.00	9.3	13.60	0.0	16.8	141	7.7	34.5	21.8	5.2	10.2	30.6
61001	27	18 11 70	24.0	11	53.30	6.0	19.00	0.0	28.3	153	7.6	31.7	21.8	5.7	7.5	26.5
61001	28	20 11 71	35.5	11	54.40	7.6	4.59	0.0	11.8	136	11.9	33.5	22.5	5.9	9.2	31.0
61001	29	29 11 71	39.9	22	59.30	9.5	11.40	0.1	6.5	131	14.5	36.5	26.3	6.7	8.9	24.5
64001	17	14 9 66	36.6	29	204.00	2.3	23.50	1.2	21.0	144	12.8	35.0	37.0	5.7	6.2	17.7
64001	18	29 11 66	32.0	21	205.00	6.1	34.30	0.0	20.6	145	16.8	52.5	30.0	5.6	6.0	23.4
64001	19	30 11 66	71.4	49	214.00	5.9	54.60	0.0	33.0	158	33.5	46.9	26.8	5.7	7.5	26.5
64001	20	8 12 66	78.9	44	272.00	10.0	34.80	0.0	25.6	150	44.8	56.8	22.5	5.9	9.2	31.0
64001	21	27 2 67	60.5	20	311.00	5.8	39.20	0.0	12.5	137	37.7	62.3	22.5	5.9	9.2	31.0
64001	23	15 10 67	63.4	41	289.00	7.3	52.80	0.0	25.1	150	44.1	69.6	21.8	5.2	10.2	30.6
64001	24	21 12 67	54.8	20	275.00	7.5	25.80	0.0	9.5	134	34.8	63.5	21.8	5.2	10.2	30.6
65001	1	1 4 62	111.0	26	50.80	6.0	1.16	0.0	6.8	131	47.8	43.1	30.2	4.3	7.5	21.8
65001	2	25 8 62	75.0	12	51.30	5.3	2.46	1.6	23.7	147	29.2	38.9	29.8	4.4	8.2	20.9
65001	3	29 10 62	64.7	12	44.40	4.4	1.81	0.0	18.7	143	19.5	30.1	32.4	4.3	7.6	19.4
65001	4	10 12 62	77.4	23	39.10	6.9	1.77	0.0	13.5	138	29.3	37.9	26.8	5.1	7.0	27.5
65001	5	13 4 63	89.4	20	53.60	7.7	0.95	0.0	12.7	137	35.5	39.7	25.2	5.1	9.1	25.9
65001	6	24 6 63	53.6	14	48.70	5.2	3.45	0.0	31.5	156	21.4	39.9	32.0	3.7	6.8	21.4
65001	7	20 11 63	83.2	14	54.10	4.1	3.50	0.0	9.0	134	27.5	33.1	30.8	5.0	7.8	20.5
65001	8	10 5 64	98.4	30	46.40	5.4	1.97	0.0	15.3	140	35.9	36.5	26.5	4.3	7.5	27.0
65001	9	12 11 64	72.7	13	49.70	7.3	1.34	0.0	10.7	135	25.5	35.1	28.5	6.0	7.5	24.0
65001	10	8 12 64	105.0	17	61.50	7.9	3.34	0.0	71.9	196	50.8	48.4	27.0	3.9	8.5	24.2
65001	11	11 12 64	205.0	34	62.40	5.9	2.04	0.1	22.2	147	96.6	47.1	25.0	3.9	9.1	25.7
65001	12	8 1 65	181.0	47	63.60	9.5	2.04	0.0	24.5	149	98.4	54.4	23.5	6.7	9.1	29.4
65001	13	14 9 65	123.0	28	52.80	10.9	0.26	3.2	6.4	128	53.4	43.4	24.6	5.7	10.3	24.6
65001	14	28 12 65	71.6	17	43.80	5.0	1.43	0.0	1.0	126	24.8	34.6	30.6	5.0	7.8	20.7
65001	15	26 6 66	109.0	24	51.10	10.2	0.42	0.0	10.9	135	45.8	42.0	20.8	6.2	11.7	30.4
65001	20	15 1 68	64.7	22	56.30	4.7	4.62	0.0	42.0	167	31.1	48.1	27.4	5.7	7.6	25.4
65001	21	22 3 68	117.0	34	50.60	11.0	1.52	0.0	17.6	142	65.7	56.2	21.6	5.4	9.7	32.4
65001	22	30 6 68	99.5	41	34.30	11.0	0.53	4.7	3.6	123	44.2	44.4	21.1	11.1	12.3	28.4
65001	23	18 8 68	137.0	23	98.70	8.8	0.67	50.6	6.5	80	58.9	43.0	21.1	5.4	9.7	32.4
65001	24	19 9 68	104.0	32	42.80	7.7	1.10	0.0	0.2	125	34.7	33.4	21.1	11.1	12.3	28.4

Data used in unit hydrograph analysis

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	DURN (H)	PEAK FLOW (CUMEC/S)	LAG (H)	ANSF (CUMEC/S)	SMD (MM)	APIS (MM)	CWI (MM)	RUNOFF (MM)	X	UH PEAK (CUMEC/S PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT 0.5 PEAK (H)	UH TIME BASE (H)
65001	25	19 1 69	178.0	48	66 40	0.7	2.17	0.2	24.5	149	101.0	56.7	24.2	8.7	8.7	28.6
65R01	1	29 3 72	89.1	24	16.00	5.0	0.66	0.0	5.3	130	51.8	58.1	34.0	3.8	6.0	20.7
65R01	2	28 4 72	83.6	17	17.00	3.0	0.50	20.0	1.4	106	37.5	44.9	43.5	3.0	5.5	14.6
65R01	4	2 6 72	50.2	11	21.00	3.8	0.91	3.9	8.4	129	34.6	68.9	58.0	2.8	3.9	11.4
65R01	5	3 7 72	173.0	18	33.00	5.7	0.72	4.5	3.0	123	171.0	98.8	52.0	2.5	3.5	14.4
65R01	6	5 8 72	56.9	23	14.00	5.2	0.76	8.6	15.5	131	53.1	93.3	41.0	4.4	4.8	17.5
65R01	7	28 10 72	92.9	27	19.00	3.3	0.91	23.0	17.3	119	72.7	78.3	24.5	4.9	5.5	34.4
65R01	8	11 11 72	71.6	25	23.50	4.7	0.88	0.0	29.5	154	53.0	74.0	27.5	5.2	5.0	30.4
65R01	9	19 11 72	77.0	22	13.00	4.7	1.28	0.0	14.8	139	56.8	73.8	34.0	4.0	6.5	19.7
65R01	10	27 11 72	24.9	13	15.00	3.8	0.90	0.0	2.2	127	19.2	77.1	56.0	3.7	4.0	11.9
65R01	13	4 12 72	50.3	9	22.00	3.4	2.36	0.0	47.4	172	42.0	83.5	49.0	2.7	3.2	12.3
65R01	14	9 12 72	23.4	7	12.00	2.5	1.54	0.0	17.7	142	13.6	58.1	67.0	2.4	3.3	10.0
65R01	15	11 12 72	82.5	11	33.00	3.8	1.49	0.0	18.4	143	66.8	81.0	52.0	4.1	5.0	11.4
65R01	16	12 12 72	50.0	10	28.00	3.1	1.92	0.0	47.2	172	44.9	89.8	61.5	2.9	4.5	9.1
66002	2	24 5 68	40.5	32	36 40	9.9	3.39	10.4	0.1	114	7.8	19.3	29.0	4.8	5.6	27.1
66002	3	30 6 68	66.3	51	58 50	8.1	3.48	36.4	3.9	92	11.6	17.5	33.0	7.8	8.9	21.9
66002	5	5 5 69	28.7	21	35 70	5.4	4.79	0.0	5.2	130	4.7	16.4				
66011	1	6 7 64	69.5	18	230 00	5.4	3.09	43.6	0.0	81	18.6	26.8	40.0	5.0	4.8	18.2
66011	2	12 11 64	46.1	26	236 00	4.1	5.13	0.0	12.7	137	23.3	50.5	35.5	5.2	7.8	15.7
66011	4	11 12 64	180.0	34	513 00	5.4	20.30	0.0	23.3	148	129.0	71.7	34.3	4.0	8.0	16.2
66011	6	8 5 65	39.3	10	271 00	4.2	16.20	0.0	28.3	153	16.1	41.0	54.0	3.3	4.7	11.2
66011	9	13 9 66	37.4	17	302 00	4.2	17.10	0.0	10.7	135	22.5	60.2	43.0	4.0	5.9	14.1
66011	10	30 11 66	80.0	44	336 00	0.8	34.80	0.0	47.6	172	41.0	51.2	48.4	3.4	5.4	12.2
66011	11	22 2 67	62.8	17	399 00	4.5	18.60	0.0	9.5	134	37.9	60.4	68.0	4.7	5.2	12.8
66011	12	26 2 67	72.7	19	521 00	4.5	36.60	0.0	11.1	136	57.4	79.0	41.8	3.2	6.1	14.4
66011	13	1 10 67	55.0	14	443 00	5.6	25.50	0.0	24.0	169	41.9	76.2	36.0	4.4	7.2	16.5
66011	14	16 10 67	68.1	23	397 00	2.2	50.00	0.0	32.9	157	52.0	76.4	42.4	3.3	6.2	13.8
66011	15	22 12 67	55.4	18	377 00	8.4	19.00	0.0	10.8	135	44.9	81.0	33.8	5.5	6.8	19.3
66011	17	22 3 68	151.0	38	450 00	5.2	22.00	0.0	13.3	138	109.0	72.2				
67005	6	7 12 65	37.0	35	65 40	4.7	10.80	0.0	18.6	143	27.7	74.9	32.1	5.7	7.2	20.2
67005	7	22 2 67	40.7	21	36 10	6.2	7.73	0.0	10.0	135	12.3	30.2	22.5	5.8	8.6	32.2
67005	8	27 2 67	48.2	28	30 90	4.9	8.15	0.0	7.6	132	13.4	27.8	23.3	3.5	8.8	30.1
67005	9	15 10 67	53.8	50	27 30	3.4	5.96	0.0	13.6	138	14.7	27.3				
67005	10	26 10 67	47.5	45	24 50	9.1	4.89	0.0	10.8	135	16.2	34.1	15.3	6.0	13.6	44.5
67008	13	24 5 68	38.6	30	16 70	7.9	2.11	10.4	0.4	115	5.9	15.3				
67008	14	30 6 68	57.5	40	16 60	1.7	2.82	36.4	3.6	92	4.1	7.1				
67008	15	1 11 68	24.7	20	12 20	11.6	2.28	0.0	4.4	129	4.7	19.0	11.0	8.0	25.0	31.1
67008	17	25 4 69	19.4	11	12 10	6.8	2.55	5.7	2.1	121	2.3	11.9	23.8	6.5	8.7	29.3
67008	18	29 5 69	23.3	19	21 20	4.0	6.29	2.0	5.0	128	3.5	15.0	22.4	4.2	14.0	21.6

Table 3.2

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	RAINFALL DURN (H)	PEAK FLOW (CUMEC/S)	LAG (H)	ANFS (CUMEC/S)	SMD (MM)	API5 (MM)	CWI (MM)	RUNOFF (MM)	X	UH PEAK (CUMEC/S PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT PEAK (M)	UH TIME BASE (H)
67010	1	26 6 66	51.2	18	11.60	6.1	0.26	0.0	3.3	128	38.2	74.6	35.0	6.0	7.0	17.8
67010	2	13 9 66	47.4	16	13.00	4.4	0.76	0.0	10.3	135	27.5	58.0	39.5	5.0	6.2	18.8
67010	3	29 11 66	41.0	24	12.00	3.2	0.49	0.0	6.3	131	25.9	63.2	49.0	5.7	5.5	11.7
67010	4	22 2 67	71.2	21	11.30	6.7	0.27	0.0	8.2	133	35.3	49.6	33.7	6.7	7.3	18.4
67010	5	26 2 67	67.6	19	18.50	2.5	0.75	0.0	9.8	134	35.0	51.8	33.5	2.9	4.7	11.4
67010	6	4 9 67	74.6	22	11.50	5.5	0.45	0.0	22.2	147	41.4	55.5	34.5	6.6	7.8	16.6
67010	7	1 10 67	54.2	13	13.70	4.9	0.56	0.0	17.3	142	27.3	50.4	43.0	5.3	6.5	12.9
67010	8	15 10 67	78.7	22	12.20	6.2	0.89	0.0	25.0	150	48.6	61.8	28.5	4.2	9.0	21.0
67010	9	22 12 67	55.0	14	14.80	6.3	0.78	0.0	2.5	127	45.0	81.8	38.7	6.0	6.5	18.7
67010	11	18 3 68	105.0	29	15.30	10.7	0.33	0.0	7.9	132	62.2	59.2	28.5	5.9	7.8	23.4
67010	13	19 9 68	87.0	31	10.80	7.2	0.23	3.3	0.4	122	44.1	50.7	27.0	5.5	10.0	21.2
67010	14	2 10 68	28.0	10	11.50	4.4	0.93	0.0	32.8	157	22.6	80.7	41.0	5.0	5.8	15.5
68006	2	8 5 65	30.3	12	92.80	4.0	4.84	0.0	7.6	132	12.4	40.9	56.6	3.2	3.9	11.8
68006	3	7 9 65	52.9	38	123.00	3.3	5.67	0.0	10.1	135	24.0	45.4	49.6	3.6	4.1	14.2
68006	4	7 12 65	52.6	44	105.00	8.8	4.88	0.0	5.1	130			47.4	4.3	6.4	10.7
68006	5	14 9 66	31.4	22	70.80	3.5	2.72	0.0	9.6	134	11.1	35.4	45.8	3.9	4.5	15.3
68006	6	2 10 67	20.6	19	54.50	4.5	4.35	0.0	10.3	135	6.6	32.0	45.0	5.0	4.7	15.3
68006	7	1 7 68	41.4	22	84.50	2.7	3.77	0.0	5.8	130	14.3	34.5	42.2	4.3	4.5	17.4
68802	1	11 12 64	87.9	33	1.39	8.0	0.07	4.2	1.9	122	19.0	21.6				
68802	2	8 12 65	31.9	23	1.41	5.8	0.11	0.0	5.1	130	14.1	44.2	24.3	4.0	8.0	29.4
68802	4	14 5 67	19.3	13	1.25	6.6	0.15	0.0	11.3	136	8.2	42.5	28.7	5.8	7.5	23.7
68802	5	18 5 67	17.2	18	1.03	7.4	0.04	2.4	3.8	126	6.7	39.0	30.0	4.5	6.7	23.7
68802	6	1 7 68	31.6	11	1.78	4.7	0.21	0.0	18.1	143	12.9	40.8	28.0	5.8	9.0	21.7
68802	7	1 11 68	29.8	12	1.75	6.4	0.10	0.0	10.0	135	13.2	44.3				
68802	9	5 5 69	32.2	13	1.50	4.3	0.09	6.1	3.5	122	11.5	33.7	30.0	4.1	7.7	21.7
68802	10	30 5 69	15.0	3	1.32	2.6	0.16	0.0	11.8	136	4.2	28.0	53.0	3.2	4.9	11.2
69008	1	27 2 67	14.2	17	3.60	5.1	1.21	0.0	4.0	129	3.0	21.1	26.0	6.8	8.8	25.2
69008	2	11 5 67	16.9	5	4.40	2.7	0.46	16.2	0.9	109	1.5	8.9	24.8	4.0	5.3	34.2
69008	3	24 6 67	42.8	30	7.21	9.7	0.16	58.1	2.2	69	6.0	14.0	21.6	7.0	7.8	33.9
69008	4	13 7 67	22.4	15	3.71	5.2	0.23	38.0	0.0	87	2.2	9.8	28.4	7.0	7.5	24.2
69008	5	16 10 67	31.3	40	7.28	8.1	1.02	0.0	10.1	135	13.4	42.8	17.3	10.0	9.0	44.3
69008	6	1 7 68	33.0	21	10.70	4.0	2.44	0.0	9.2	134	10.1	30.6	18.1	7.0	13.8	33.8
69008	7	14 4 69	28.1	22	23.10	10.5	6.13	1.4	3.0	126	25.2	89.7	20.6	8.3	9.3	38.4
69008	8	18 10 71	45.6	24	28.20	12.0	4.33	65.6	19.6	79	33.7	73.9	18.5	8.0	11.3	37.5
69011	1	1 7 68	18.7	3	24.10	2.8	5.31	7.7	3.6	120	7.6	40.6	44.3	5.2	6.1	12.9
69011	2	30 9 68	40.6	23	21.20	5.1	2.89	0.0	10.6	135	11.9	29.3	29.0	4.6	8.5	21.3
69011	4	14 4 69	26.8	22	16.60	7.5	0.60	1.4	3.2	126	9.2	34.3	31.2	4.9	7.5	20.6

Data used in unit hydrograph analysis

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	RAINFALL DURN (H)	PEAK FLOW (CUMEC/S)	LAG (H)	ANSF (CUMEC/S)	SMD (MM)	APIS (MM)	CWI (MM)	RUNOFF (MM)	X	UH PEAK (CUMEC/S PER 100 SQ. KM.)	UH PEAK TO PEAK (H)	WIDTH AT 0.5 PEAK (H)	UH TIME BASE (H)
71003	1	5 7 60	109.0	27	9 56	5.9	0.22	72.8	11.1	63	67.5	43.6	37.5	6.0	6.4	16.9
71003	2	31 10 60	83.2	68	10 20	4.4	0.28	0.0	0.5	125	33.8	40.6	46.0	3.6	5.0	14.2
71003	3	3 8 61	61.2	18	20 40	3.4	0.24	44.7	2.1	82	26.4	43.1	55.0	3.0	4.0	12.2
71003	4	16 10 61	51.5	24	15 10	5.3	0.35	1.1	3.5	127	34.8	67.6	54.5	3.0	3.5	13.6
71003	5	3 10 61	37.6	21	10 10	4.3	0.59	0.0	9.2	134	29.8	79.3	47.0	4.8	5.0	13.7
71003	6	29 11 61	53.9	15	10 40	4.8	0.57	0.0	14.4	139	37.3	69.2	42.0	4.2	6.0	14.5
71003	7	1 4 62	74.1	22	7 43	6.3	0.29	0.0	3.5	128	37.0	49.9	40.0	4.0	5.4	17.0
71003	8	6 4 62	49.9	25	8 65	3.6	0.42	0.9	12.3	136	39.8	79.8	41.3	3.0	4.5	17.9
71003	9	22 8 62	52.2	22	12 60	2.3	0.57	17.0	14.1	122	24.7	47.3	52.9	3.0	4.0	13.0
71003	10	25 9 63	56.3	25	13 90	3.4	0.34	0.0	26.0	151	27.8	49.4	52.2	3.0	4.0	13.3
71003	11	2 10 63	47.7	27	12 10	0.2	0.80	0.0	9.0	134	28.1	58.9	40.9	3.0	6.4	14.4
71003	13	7 7 64	56.4	19	5 70	3.7	0.17	31.3	0.3	94	15.4	27.3	42.4	4.0	5.0	16.2
71003	14	8 12 64	76.2	14	12 10	8.1	0.54	0.0	38.3	163	37.0	48.6	41.0	7.0	7.2	12.7
71003	15	11 12 64	115.0	38	11 60	6.1	0.44	0.0	17.3	142	64.5	56.1	32.8	2.0	5.2	23.5
71003	16	8 12 65	59.6	24	13 90	2.9	2.47	0.0	15.8	140	27.6	46.3	46.0	4.4	6.3	11.4
71003	17	18 12 66	70.0	20	13 30	8.3	0.45	0.0	10.5	135	53.9	77.0	41.0	8.0	8.0	11.1
71003	18	22 2 67	45.3	10	11 60	4.1	0.44	0.0	7.1	132	21.8	48.1	72.4	5.0	3.8	7.8
71003	19	27 2 67	61.9	17	12 70	4.7	0.53	0.0	10.0	135	44.0	71.1	34.0	3.0	6.8	19.1
71003	20	8 8 67	53.1	5	26 80	2.5	0.70	2.0	5.6	128	30.0	56.3	69.6	3.0	3.7	8.6
71003	21	16 10 67	79.8	33	11 80	5.6	0.58	0.0	32.2	157	30.8	38.6	44.5	3.8	4.8	15.4
71003	23	1 9 68	26.5	15	4 49	4.8	0.31	0.0	7.8	132	8.1	30.6	38.0	5.0	5.7	17.9
71003	24	29 3 68	21.6	10	10 20	2.8	0.75	0.0	18.1	143	14.6	67.6	72.5	3.7	3.2	8.9
71003	25	3 3 69	47.9	18	8 61	2.6	0.67	0.6	6.4	130	28.0	58.5	43.8	5.0	6.5	12.4
71003	26	2 7 68	25.4	15	11 10	2.0	0.86	0.0	26.8	151	19.8	78.0	65.0	2.0	5.8	5.5
71802	1	18 12 66	38.4	26	132 00	6.5	9.33	0.0	12.0	137	30.8	80.2	22.5	4.0	11.5	26.9
71802	2	17 8 67	61.7	33	126 00	5.2	9.67	0.0	15.1	140	42.5	68.9	25.4	7.0	9.0	25.8
71802	3	16 10 67	52.5	35	149 00	7.7	14.30	0.0	24.7	149	38.3	73.0	22.0	8.0	10.5	29.5
71802	4	17 3 68	72.8	63	122 00	8.0	5.69	0.0	7.0	132	50.4	69.2	21.1	9.0	11.3	30.1
71802	6	30 3 68	47.4	49	139 00	9.4	5.14	0.0	1.2	126	41.6	87.8	24.3	8.0	8.3	29.2
71802	7	11 9 68	48.7	10	128 00	9.3	6.82	7.8	19.2	136	29.2	60.0	27.5	9.0	8.8	22.8
71802	8	30 10 68	54.0	50	134 00	4.9	10.30	0.0	11.2	136	36.2	67.0	32.0	8.0	8.4	17.9
71802	9	30 3 69	46.5	23	143 00	5.9	7.09	0.0	7.0	132	29.1	62.6	36.4	6.0	6.6	17.3
71804	1	5 7 60	108.0	39	25 20	1.8	0.55	75.8	10.2	59	64.3	59.5	98.0	2.1	2.3	6.7
71804	2	3 8 61	63.1	18	33 10	2.4	0.43	44.7	1.5	81	21.0	33.3	75.4	1.5	2.7	9.3
71804	3	22 8 62	60.5	23	27 50	0.5	1.06	16.4	13.0	121	18.4	30.4	140.0	1.5	1.5	4.9
71804	4	25 9 63	63.4	25	24 20	2.4	0.57	0.0	22.6	147	18.7	29.5	92.0	1.7	1.8	8.5
71804	5	20 11 63	59.3	15	21 80	1.6	0.87	0.0	15.0	140	11.6	19.6	97.6	1.8	2.3	6.8
71804	6	8 12 64	73.7	29	22 80	3.3	0.98	0.0	45.9	170	27.6	37.4	63.0	2.5	2.7	12.3
72002	2	14 12 62	27.0	24	99 50	6.5	4.87	0.0	4.8	129	15.5	57.4	28.5	5.8	8.5	22.0
72002	3	25 9 63	38.2	14	131 00	6.0	8.42	0.0	19.2	144	16.9	44.2	29.6	5.8	7.9	21.8
72002	4	2 10 63	31.5	11	139 00	5.1	10.70	0.0	9.1	134	16.6	52.7	34.0	4.2	6.9	18.9
72002	5	20 11 63	31.2	13	118 00	5.8	9.83	0.0	9.8	134	16.5	52.9	29.9	5.6	8.2	20.8
72002	6	10 5 64	36.8	18	135 00	6.0	5.87	0.0	9.5	134	20.7	56.2	28.0	4.8	8.8	22.1

Table 3.2

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	DURN (H)	PEAK FLOW (CUMECs)	LAG (H)	ANSF (CUMECs)	SMD (MM)	APIS (MM)	CWI (MM)	RUNOFF (MM)	X	UH PEAK (CUMECs) PER 100 SQ. KM.	TIME TO PEAK (H)	WIDTH AT 0.5 PEAK (M)	UH TIME BASE (H)
72002	7	3 12 44	39.8	15	143.00	8.1	13.60	0.0	23.8	148	24.5	61.6	26.8	6.3	8.5	24.5
72002	8	8 1 45	61.4	43	120.00	8.5	9.19	0.0	15.9	140	41.5	67.6	23.5	7.0	9.0	29.3
72002	9	9 9 65	29.6	18	146.00	6.4	12.30	0.0	14.4	139	22.5	76.0	29.5	6.0	7.4	22.9
72002	10	7 12 65	38.0	41	117.00	8.0	6.38	0.0	9.3	134	24.9	65.5	28.0	5.8	8.8	22.1
72002	11	16 12 65	41.9	47	122.00	4.6	8.28	0.0	4.7	129	26.9	64.2	26.6	6.2	9.7	22.4
72002	12	26 6 66	44.4	72	139.00	5.1	6.81	6.7	8.8	127	25.6	57.7	24.5	4.4	10.5	24.4
72002	19	23 9 68	18.8	11	93.00	3.6	31.80	0.0	30.2	155	8.9	47.3	37.2	5.7	7.3	15.3
72002	20	30 9 68	18.9	41	165.00	8.6	14.90	0.0	15.3	140	58.9	85.5	27.0	4.9	6.5	28.2
72002	21	20 1 69	42.0	42	89.20	15.1	4.03	0.0	2.6	127	28.3	67.4	21.4	6.5	7.5	37.0
72002	22	2 6 69	44.1	14	167.00	6.6	6.77	6.3	1.5	120	26.5	60.1	28.5	5.0	8.5	22.0
73804	1	4 2 66	48.6	14	58.70	6.2	12.60	0.0	39.5	164	34.7	71.4	26.1	7.0	9.2	24.2
73804	2	24 2 66	51.9	9	44.90	6.6	5.56	0.0	55.3	180	25.2	48.6	30.5	7.3	7.8	20.9
73804	3	20 5 66	96.4	52	68.60	10.6	1.79	0.0	15.3	140	62.7	65.0	25.6	7.3	10.0	27.1
73804	4	12 8 66	72.4	43	68.10	12.4	1.54	7.6	7.8	125	52.2	72.1				
73804	5	2 9 66	104.0	34	89.70	9.7	2.28	0.0	18.6	143	65.6	63.1	28.5	6.1	7.5	24.0
73804	6	29 11 66	66.8	26	35.50	5.2	2.01	0.0	10.4	135	32.2	48.2	22.0	6.0	11.0	28.5
73804	7	30 11 66	85.4	35	37.80	2.9	4.52	0.0	60.5	165	42.6	49.9	23.5	5.4	10.8	25.7
73804	9	26 2 67	78.2	18	55.80	6.5	4.07	0.0	11.4	136	47.6	60.9	23.0	6.7	10.5	27.7
73804	10	29 7 67	103.0	41	45.70	11.4	1.17	6.5	4.3	122	66.5	64.6				
73804	12	5 10 67	93.2	51	62.70	7.6	3.96	0.8	30.1	154	66.3	71.1	26.6	8.0	9.0	23.8
73804	13	8 10 67	136.0	28	129.00	11.6	3.08	0.0	35.1	160	134.0	98.5	26.6	6.9	8.5	24.8
73804	14	13 10 67	60.6	18	54.30	8.0	4.56	0.0	21.6	146	38.7	63.9	27.3	8.5	7.6	25.5
73804	15	16 10 67	72.6	19	59.80	7.2	4.29	0.0	28.0	153	41.8	57.6	28.0	6.9	7.8	24.1
73804	17	22 3 68	110.0	35	53.10	5.5	2.49	0.0	16.1	141	69.1	62.8	24.0	7.1	9.9	26.5
73804	19	20 1 69	73.8	27	47.70	10.6	0.93	0.2	4.6	129	42.5	57.6				
73804	20	13 12 69	82.6	33	58.80	7.7	1.18	0.2	2.7	127	54.5	66.0	24.5	5.8	10.0	25.4
74001	3	2 7 68	34.2	17	90.30	0.6	12.10	0.0	43.0	168	21.1	61.7	79.0	2.8	3.6	6.9
74001	4	19 9 68	91.6	31	47.70	9.0	2.22	6.3	0.0	118	48.0	52.4				
74001	6	9 10 68	34.6	6	47.70	3.2	4.15	1.8	0.1	123	11.7	33.8	49.0	3.5	4.7	13.3
74001	7	22 11 68	36.9	10	48.80	1.2	8.65	0.0	15.7	140	10.7	29.0	52.0	2.3	4.8	11.8
74001	8	19 12 68	64.0	16	59.80	5.0	4.07	0.0	5.9	130	28.1	43.9	48.0	5.5	5.6	12.0
74001	9	20 1 69	95.5	43	119.00	4.5	5.41	0.2	5.0	129	64.3	67.3	51.4	3.4	4.3	13.0
74001	10	13 12 69	64.9	20	103.00	6.7	3.69	0.2	1.2	126	52.0	80.1	60.0	3.0	4.8	13.2
76005	1	22 11 70	33.5	20	206.00	11.1	21.20	0.0	5.3	130	21.9	65.4	26.0	13.7	12.0	18.8
76008	1	29 10 70	23.7	13	132.00	4.2	16.20	0.0	17.7	142	12.4	52.3	37.5	5.5	6.8	16.1
76008	2	30 10 70	28.5	26	190.00	7.4	14.10	0.0	29.0	154	18.5	64.9	31.0	6.9	8.0	19.9

Data used in unit hydrograph analysis

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL TOTAL (MM)	DURN (H)	PEAK FLOW (CUMEC/S)	LAG (H)	ANSF (CUMEC/S)	SMP (MM)	APIS (MM)	CHI (MM)	RUNOFF (MM)	X	UH PEAK (CUMEC/S PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT PEAK (H)	UH TIME BASE (H)
76011	8	11 8 67	17.2	5	1.06	3.0	0.08	0.0	15.4	140	11.8	68.6	68.0	3.5	3.5	9.4
76011	13	1 10 67	23.4	11	1.16	3.4	0.04	0.0	5.9	130	16.9	72.2	59.0	3.2	4.0	10.8
76011	14	2 10 67	27.4	24	0.90	2.7	0.07	0.0	35.8	160	18.7	68.2	51.0	2.2	4.0	13.8
76011	15	6 10 67	41.0	16	1.50	2.1	0.04	0.8	11.0	135	28.3	69.0	65.0	2.0	3.4	10.3
76011	16	8 10 67	71.4	24	2.60	2.6	0.05	0.0	18.6	143	60.4	84.6	76.0	1.7	2.8	9.0
76011	17	16 10 67	48.4	15	1.75	3.6	0.03	0.2	8.4	133	35.7	73.8	73.0	2.0	2.8	9.4
76011	19	1 11 67	33.4	20	1.34	2.0	0.03	1.0	1.8	125	23.6	70.7	70.0	1.4	3.5	8.9
76011	22	18 3 68	34.8	20	0.92	2.8	0.05	0.0	11.1	136	27.4	78.7	58.0	2.3	3.6	12.0
76011	24	31 3 68	28.6	15	1.24	3.7	0.16	0.0	15.3	140	20.4	71.3				
76011	25	13 8 68	66.0	16	0.87	4.7	0.04	42.7	5.1	87	20.7	31.4				
76011	26	12 9 68	33.9	16	1.37	2.8	0.05	11.2	9.7	123	26.0	76.7	74.0	2.6	2.6	9.8
76011	34	19 8 69	66.5	21	1.84	3.9	0.03	46.3	3.9	82	36.7	55.2	62.0	1.6	3.8	10.3
76011	42	20 8 70	21.7	25	0.60	4.7	0.02	48.0	4.4	81	15.9	73.3				
76011	44	16 9 70	46.3	17	0.97	2.8	0.03	2.5	3.0	126	22.6	48.8	65.0	3.2	3.2	10.7
76011	45	30 10 70	34.6	26	2.11	2.5	0.07	0.0	26.1	151	24.1	69.7	76.0	2.0	2.2	10.2
77011	1	13 3 63	64.3	40	359.00	6.4	31.60	0.0	2.3	127	39.0	60.7	31.7	5.9	5.2	24.7
77011	2	17 11 63	46.4	21	311.00	9.8	30.20	0.2	5.2	130	27.5	59.3	28.7	6.3	7.2	24.3
77011	3	5 10 64	74.0	49	526.00	9.6	14.40	5.4	0.0	119	44.2	59.0	37.9	5.3	5.1	19.1
77011	5	12 8 66	39.9	22	364.00	8.4	19.30	2.4	11.7	134	23.1	57.9	33.5	7.6	6.4	20.4
77011	6	3 9 66	55.6	21	464.00	3.4	23.50	0.0	15.7	140	26.8	48.2	63.8	4.6	3.8	9.8
77011	7	31 9 67	37.5	14	321.00	3.0	26.70	0.0	20.8	145	13.2	35.2	61.4	4.2	3.7	10.7
83002	5	14 9 65	59.0	28	67.20	7.6	1.67	1.2	2.0	125	46.7	79.2				
83002	8	8 10 67	50.3	20	51.80	2.1	8.58	0.0	34.0	159	26.9	53.5				
84002	4	11 12 64	48.7	11	14.90	2.5	0.72	0.0	9.7	134	27.6	56.7	50.8	3.4	4.8	12.3
84002	7	24 6 65	35.7	12	14.60	3.0	0.78	0.0	22.0	147	22.2	62.2	56.0	3.0	4.3	11.3
84002	8	14 9 65	60.4	32	15.50	2.2	0.25	2.6	0.3	122	43.6	72.2	61.6	2.5	4.4	9.3
84008	1	1 10 67	19.5	8	20.10	3.2	2.53	0.0	6.2	131	9.0	46.2	52.4	3.0	4.3	12.4
84008	2	8 10 67	37.3	19	28.20	4.5	2.58	0.0	17.3	142	27.5	73.7				
84008	3	25 10 67	38.1	32	24.10	9.8	2.13	0.0	11.4	136	21.0	55.1	27.6	2.8	3.9	28.5
84008	4	22 12 67	18.5	23	26.90	3.8	2.23	0.0	5.0	130	16.1	87.0	49.6	3.7	4.0	14.4
84008	5	4 5 68	66.8	43	36.00	8.6	1.34	0.0	12.8	137	44.5	66.6	33.3	6.6	7.7	32.3
84008	6	2 7 68	47.7	23	24.20	3.2	1.39	51.5	18.8	92	16.0	33.5	36.0	4.2	6.0	18.9
84008	7	21 12 68	19.6	21	17.00	4.1	1.24	0.0	3.4	128	9.7	49.5	41.3	3.7	5.3	16.3
84012	2	31 10 65	59.5	37	123.00	5.6	14.50	0.0	19.0	144	31.4	52.8	34.4	5.6	7.6	17.1
84012	3	13 8 66	48.0	19	113.00	6.4	6.33	18.1	5.0	112	22.6	47.1	34.8	5.2	5.9	20.2
84012	4	16 12 66	48.8	22	167.00	9.2	10.30	0.0	4.6	129	32.6	66.8	30.3	7.3	6.6	23.5
84012	5	18 12 66	29.6	18	112.00	6.9	14.70	0.0	26.6	151	18.1	61.1	32.5	6.4	6.6	21.0
84012	6	8 10 67	42.5	19	116.00	12.1	10.90	0.0	21.8	146	31.5	74.1	22.3	13.7	12.5	24.9
84012	7	4 5 68	66.1	43	113.00	5.9	9.92	0.0	7.9	132	34.3	51.9	21.0	5.6	10.0	33.0

Table 3.2

CATCH NO.	EV. NO.	DATE OF STORM	RAINFALL		PEAK FLOW (CUMecs)	LAG (H)	ANSF (CUMecs)	SMD (MM)	API5 (MM)	CWI (MM)	RUNOFF (MM)	X	UH PEAK (CUMecs)	PER 100 SQ. KM.)	TIME TO PEAK (H)	WIDTH AT 0.5 PEAK (H)	UH TIME BASE (H)
			TOTAL (MM)	DURN (H)													
85002	8	13 10 67	22.3	12	86.20	4.2	8.98	0.0	8.8	133	11.4	51.1	36.4	5.2	6.2	18.1	
85002	9	4 5 68	39.9	31	105.00	8.1	12.10	0.0	15.7	140	26.5	66.4	30.2	5.1	7.9	21.0	
85002	10	9 10 68	32.1	21	80.50	6.0	3.79	4.2	1.7	122	16.2	50.5	29.0	4.3	7.9	22.5	
85002	11	10 10 68	33.6	22	104.00	5.8	10.50	0.0	18.5	143	17.4	51.8	30.7	3.9	7.7	20.8	
99001	1	24 12 56	22.3	18	75.80	24.1	18.10	0.0	4.4	129	8.8	39.8	8.9	25.4	28.8	67.3	
99001	2	29 12 56	59.8	90	101.00	17.2	28.40	0.0	8.0	133	28.9	48.3	6.7	17.8	23.8	114.4	
99001	3	5 12 59	62.9	0	99.10	17.1	21.20	0.0	3.9	128	31.1	49.4	7.0	16.6	34.0	90.9	
99001	4	30 9 60	42.8	90	85.00	29.4	12.50	0.0	7.2	132	20.0	46.7	5.7	28.0	40.0	115.1	
99001	5	1 12 60	52.6	0	100.00	14.9	27.50	0.0	12.8	137	21.9	41.6	6.7	18.0	34.0	98.0	
99001	6	16 3 64	74.4	0	80.10	29.4	8.61	0.0	4.2	129	38.1	51.2	5.0	25.6	37.2	148.0	
99001	7	10 12 64	45.1	78	103.00	27.0	18.20	0.0	6.8	131	23.1	51.2	6.0	25.6	34.8	115.7	
99001	8	31 10 68	32.1	42	94.90	18.0	21.80	0.0	17.8	142	14.3	44.5	7.5	17.4	33.0	78.3	
99001	10	6 1 69	104.0	0	124.00	33.5	16.40	0.0	0.5	125	62.6	60.2	4.7	20.8	40.0	156.6	

4 Historical flood records

In order to make the best use of gauging station records which are often relatively brief, pertinent historical data were collected to extend the period of record. Historical records are prior to the installation of the gauging station, which in fact may be quite recent; the information includes levels and discharges which may be compared with recorded discharges, or purely negative information such as 'no floods since date A have exceeded the flood of date B', which would also extend the record.

Information came from a variety of sources and was usually assembled in the files of the river authorities. Had there been sufficient time, additional records could have been studied in archives such as local libraries and newspaper files which were the sources of some of the information given by consulting engineers.

Historical level data can be affected by sluice improvements, flood plain development, channel maintenance, new cuts, lock operations and other changes. It is also acknowledged that the combination of present rating relationships and historical levels may result in discharges of lesser accuracy than for recorded flows, but it is considered that the value of the extended record compensates for this.

Where the details are available they have been presented under the headings of date, level (m) and discharge (cumecs), and where sufficient values are given the series has been ranked. Sources of data and comments are included. Only floods which may be related to a gauging station have been collected and are presented here in station number order. A few relatively long records of ranked annual maximum levels are included for completeness.

Historical data

12/1 Dee at Cairnton

8.1829	5.93 m	1900 cumecs	NE Scotland Water Board, and Dee and Don River Purification Board.
1881		481	C. H. Roberts, <i>Transactions of the Institution of Water Engineers</i> , 1919.
9.5.1913		317	
4.10.1920	4.2 m	1133	NE Scotland Water Board and Capt. W. N. McClean, 'probably greatest since 1829'

16/1 Earn at Kinkell Bridge

1909	3.5 m	295 cumecs	Department of Agriculture for Scotland, stream gauging section files
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21/13 Gala at Galashiels

1948	3 m	200 cumecs	Tweed River Purification Board. Level estimated from flood damage to bridge decking
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23/1 Tyne at Bywell

1771	22.25 m		Northumbrian River Authority; map of 1771 flood gives probable level AOD at St Peter's Church, Bywell. The later levels are given at Bywell House, about $\frac{1}{2}$ mile downstream of gauging station
1.1906	18.29		
10.1925	18.64		
4.1947	18.48		
10.1.1955	18.98		

23/902 North Tyne at Barrasford

In some cases a historical level record can be converted to a flow record by correlating levels during a common period with those of an adjacent rated station on the same river with no tributary between the two stations. For example, levels have been recorded on the North Tyne at Barrasford since 1947, but the rating is of doubtful accuracy above 4000 cusecs (*Surface Water Year Book 1958-59*). However, a station at Reaverhill 2 km upstream with records from 1959 is reasonably rated. Correlation of corresponding higher monthly maxima gives a prediction equation for Barrasford levels in feet from Reaverhill; $v = 1.01x - 1.80$ ($r = 0.988$). This expression enabled the flood rating curve for Reaverhill to be converted to a synthetic rating at Barrasford,

Historical data

from which the flood record given in this volume was computed. The change from previous estimates was considerable.

Similar methods were employed to extend 22/7, Wansbeck at Mitford Flume, by using earlier level records at 22/5, Wansbeck at Highford, and to calibrate 49/901, Camel at Grogley, by means of 49/1, Camel at Denby.

24/1 *Wear at Sunderland Bridge*

9.10.1903	Est. between 44.87 and 45.75 m		Northumbrian River Authority; internal files
1.6.1924	Est. between 44.56 and 45.42 m		
29.9.1852	4.27 m	1	Levels recorded in Durham, 3 miles downstream of gauge
9.10.1903	3.99	2	
14.11.1875	3.96	3	
1.6.1924	3.81-3.88	4	
6.11.1886	3.81	5	
10.3.1881	3.51	6	
10.9.1856	3.35	7	
15.11.1878	3.28	8	
16.6.1855	3.05	9=	
3.12.1876	3.05	9=	
8.10.1892	3.05	9=	
11.2.1868	2.90	12	

24/3 *Wear at Stanhope*

1881		1	<i>Sidelights on the Life of a Wearside Surgeon</i> by William Robinson
1947		2	
1895		3=	Locally considered to be approximately equal to flood of 23.3.1968

25/1 *Tees at Broken Scar*

1771		1	Northumbrian River Authority. Map of flooding, 1963. The levels were obtained at a site $\frac{1}{4}$ mile upstream of gauge. At Yarm the flood of 17.9.1771 was almost 5 ft higher than 1881 flood. Flood ranking between 1881 and 23.3.68 (highest recorded on chart) is incomplete, but from records at Croft Mill and Neasham, 1935, 1937 and 1950 levels were exceeded by 1968 level
10.3.1881	42.95 m	2	
1.1.1925	42.7 approx.	3	

25/8 *Tees at Barnard Castle*

1881	135.27 m		Northumbrian River Authority
3.11.1963	134.54		Map of flooding 1963. Site is at mill opposite castle downstream of gauge

Area 27 *Aire and Calder*

Yorkshire River Authority

British Waterways Board, Engineer's Department, Leeds

There are 35 stations on the Aire and the Calder listed in the station index of which only five, with periods of record ranging from 5 to 16 years, have been used in the flood frequency analysis. Of the large remainder, a number such as 27/816 Aire at Knostrop, 27/818 Aire/Calder junction at Castleford, 27/820 Aire at Haddlesy Flood Lock, 27/825 Calder at Wakefield Lock, and 27/826 Calder at Broadreach Lock have records commencing in the 1860s but are either not rated or are rated insufficiently precisely for analytical use. Such long records can still be used by ranking the annual maximum levels or discharges, as for Castleford and Broadreach below, and then relating

Historical flood records

the highest floods of neighbouring short term records to their corresponding ranking in these sequences.

27/9 Ouse at Skelton

1625	5.26 m	1=	Yorkshire River Authority, City Engineer and Surveyor, York, <i>Report on the flooding of the City of York by the River Ouse</i> , 1953.
1636	5.26	1=	
1831	5.03	3	
1947	4.92	4	
1763	4.89	5	
1795	4.83	6	
1892	4.72	7	
1689	4.70	8	
1732	4.39	9	
24.3.1947	4.98 m	1	In addition, an unrated water level recorder at the Guildhall, Ouse Bridge, provides continuous records from 1893, preceded by daily readings from 1885, with earlier occasional readings. The first 10 ranked levels only are given here. Levels are above mean summer level (4.95 m AOD)
16.10.1892	4.75	2	
25.3.1968	4.72	3	
3.11.1968	4.70	4	
7.3.1963	4.67	5	
10.12.1965	4.65	6	
7.11.1951	4.62	7	
6.3.1933	4.24	8	
6.9.1931	4.17	9=	
10.3.1881	4.17	9=	

Yorkshire Flooding—Some Effects on Man and Nature, Part I, by Radley and Simms. Ebor Press, York, 1970.

This publication contains a useful description of historical and recent flooding in the Vale of York with maps showing areas of inundation.

27/22 Don at Rotherham Weir

11.7.1872	25.74 m		<i>Symon's British Rainfall, 1886</i> ; Borough Engineer, Rotherham, Report 1932. Levels are given at Guest and Chrimes Works within $\frac{1}{4}$ mile of recorder and also at recorder for 1931 and 1932. These floods are higher than any known prior to the building of the Works in 1857, which would give a time base of the order of 150 years
20.10.1875	26.22		
6.10.1880	25.40		
28.10.1880	26.10		
13.5.1886	26.92		
5.9.1931	25.84		
	25.13	421 cumecs*	
22.5.1932	25.90		
	25.21	438*	

*At recorder site

27/27 Wharfe at Ilkley

23.11.1866	3.96 m	453 cumecs	Marks on bridge. These levels on downstream side of bridge require correlation with upstream gauge levels to avoid present underestimation of discharge using standard rating
14.12.1936	4.11	467	

Historical data

27/826 *Calder at Broadreach*

Annual maximum discharges from daily levels, 1863–1968 less 1872–76.

Calendar year	Discharge (cumecs)	Rank	Calendar year	Discharge (cumecs)	Rank
1880	1020	1	1965	360	51
1866	950	2	1951	357	52
1891	893	3	1915	357	53
1892	691	4	1882	357	54
1883	684	5	1939	349	55
1868	671	6	1929	349	56
1869	671	7	1896	341	57
1889	630	8	1899	341	58
1901	611	9	1946	341	59
1917	601	10	1894	333	60
1877	593	11	1906	333	61
1893	582	12	1934	333	62
1885	572	13	1957	333	63
1902	563	14	1895	325	64
1945	563	15	1941	309	65
1921	553	16	1954	309	66
1909	553	17	1964	306	67
1919	553	18	1966	295	68
1923	544	19	1928	286	69
1960	544	20	1968	283	70
1890	534	21	1922	279	71
1914	515	22	1963	272	72
1912	575	23	1888	271	73
1898	575	24	1865	264	74
1881	575	25	1879	264	75
1967	575	26	1926	264	76
1878	575	27	1931	264	77
1938	497	28	1932	256	78
1908	497	29	1913	249	79
1907	488	30	1949	249	80
1903	469	31	1959	249	81
1920	460	32	1871	242	82
1924	460	33	1905	242	83
1930	460	34	1944	235	84
1943	460	35	1948	235	85
1870	460	36	1937	235	86
1884	460	37	1942	228	87
1886	460	38	1864	221	88
1911	443	39	1887	221	89
1867	443	40	1900	221	90
1935	434	41	1863	213	91
1936	434	42	1904	207	92
1947	425	43	1897	207	93
1927	416	44	1952	200	94
1916	408	45	1961	200	95
1953	408	46	1950	194	96
1925	408	47	1910	181	97
1940	382	48	1962	144	98
1955	382	49	1933	108	99
1918	374	50	1958	102	100
			1956	84	101

Historical flood records

27/849 Aire/Calder at Castleford

Ranked annual maximum levels, 1864–1968 less 1871–74.

Calendar year	Level (m)	Rank	Calendar year	Level (m)	Rank
1866	5.56	1	1903	4.72	52
1892	5.33	2	1928	4.72	53
1891	5.26	3	1951	4.72	54
1884	5.21	4	1959	4.72	55
1967	5.18	5	1951	4.72	56
1946	5.16	6	1909	4.70	57
1883	5.13	7	1933	4.65	58
1965	5.08	8	1945	4.62	59
1968	5.08	9	1927	4.57	60
1960	5.08	10	1900	4.57	61
1880	5.08	11	1912	4.55	62
1868	5.03	12	1930	4.55	63
1881	5.03	13	1887	4.52	64
1894	5.03	14	1940	4.52	65
1895	5.03	15	1956	4.52	66
1896	5.03	16	1929	4.50	67
1944	5.03	17	1936	4.50	68
1869	5.03	18	1916	4.44	69
1899	5.00	19	1907	4.44	70
1890	4.98	20	1910	4.42	71
1939	4.98	21	1962	4.40	72
1947	4.98	22	1961	4.37	73
1875	4.95	23	1885	4.34	74
1897	4.95	24	1926	4.34	75
1925	4.95	25	1882	4.32	76
1931	4.95	26	1937	4.32	77
1966	4.95	27	1963	4.29	78
1877	4.90	28	1957	4.27	79
1879	4.90	29	1924	4.27	80
1886	4.90	30	1919	4.27	81
1941	4.90	31	1914	4.27	82
1964	4.90	32	1950	4.24	83
1932	4.88	33	1889	4.22	84
1923	4.85	34	1908	4.22	85
1901	4.82	35	1898	4.22	86
1948	4.82	36	1865	4.19	87
1954	4.82	37	1913	4.17	88
1867	4.80	38	1864	4.14	89
1920	4.80	39	1902	4.12	90
1938	4.80	40	1904	4.11	91
1918	4.80	41	1906	4.11	92
1870	4.78	42	1911	4.11	93
1878	4.78	43	1952	4.11	94
1882	4.78	44	1955	4.04	95
1915	4.78	45	1953	4.04	96
1921	4.78	46	1949	4.04	97
1935	4.78	47	1943	4.04	98
1958	4.78	48	1917	4.01	99
1876	4.75	49	1934	3.94	100
1893	4.75	50	1905	3.91	101
1922	4.75	51	1942	3.91	102

28/804 Trent at Trent Bridge

Report of the floods of December 1965, Engineer's Department, Trent River Authority. Introduction to the History of the Floods and Droughts of the Trent Basin, by H. R. Potter, Trent River Authority. 'Flood prevention scheme in vicinity of Nottingham . . .' Haile & Cheetham, *Journal*

Historical data

				<i>of the Institution of Civil Engineers, 1950, Paper 5795.</i>
16.2.1795		1416 cumecs (50 000 cusecs)		'The flood of 1795 is reported to have been the largest flood for perhaps two centuries.' 'Most severe of 18th Century'
14.11.1852	24.47 m	1133		
24.10.1875	24.59	1274		'Most severe of 19th Century'. It would appear that the 1795 flood is the greatest discharge in at least 270 years
<i>29/3 Lud at Louth</i>				
29.5.1920		138 cumecs		Lincolnshire River Authority. Discharge estimated from flood mark on bridge which has not been exceeded since

29/4 Ancholme at Bishopsbridge

29/5 Rase at Bishopsbridge

Ranked annual maximum levels from 1891/92 to 1969/70 (79 years) are given from Ferriby Sluice, the outfall of the flood channel headed by stations 29/4 and 29/5 20 miles upstream.

1946	5.08 m	1	1902	4.50 m	27	1941	4.27 m	47
1901	5.03	2	1908	4.50	27	1967	4.27	47
1896	5.03	2	1916	4.50	27	1934	4.24	55
1957	5.03	2	1944	4.47	30	1933	4.19	56
1965	5.00	5	1897	4.47	30	1954	4.19	56
1912	4.95	6	1959	4.44	32	1904	4.17	58
1968	4.93	7	1905	4.42	33	1951	4.14	59
1918	4.88	8	1906	4.42	33	1891	4.11	60
1903	4.88	8	1909	4.42	33	1893	4.11	60
1931	4.88	8	1910	4.42	33	1917	4.11	60
1939	4.88	8	1915	4.42	33	1924	4.11	60
1940	4.88	8	1928	4.42	33	1926	4.11	60
1894	4.82	13	1945	4.42	33	1953	4.01	65
1935	4.80	14	1923	4.42	33	1962	3.99	66
1932	4.78	15	1898	4.42	33	1925	3.96	67
1911	4.75	16	1892	4.42	33	1949	3.96	67
1919	4.72	17	1922	4.37	43	1961	3.96	67
1927	4.72	17	1907	4.37	43	1947	3.94	70
1938	4.72	17	1943	4.37	43	1950	3.91	71
1914	4.65	20	1948	4.29	46	1952	3.91	71
1930	4.65	20	1895	4.27	47	1955	3.91	71
1899	4.65	20	1900	4.27	47	1963	3.91	71
1960	4.62	23	1913	4.27	47	1964	3.91	71
1936	4.57	24	1920	4.27	47	1966	3.91	71
1937	4.57	24	1921	4.27	47	1942	3.86	77
1969	4.52	26	1929	4.27	47	1957	3.79	78
						1956	3.76	79

30/3 Bain at Fulsby Lock

31.12.1900

29.5.1920

7.10.1960

'The Horncastle and Bain Valley Flood, 7.10.1960' DNR & FAB, *East Midland Geographer*, 15, 1961. Notable floods in Horncastle (u/s Fulsby Lock) exceeding 1962-69 series. Ranking not given

31/2 Glen at Kates Bridge

17.3.1947

68 cumecs

River Welland Catchment Board 1947 Flood Report

31/5 Welland at Tixover

14.3.1947

83.5 cumecs

1947 Flood Report as above. Flood discharge from estimate at Stamford bridge by ratio of catchment areas

Historical flood records

1880	5.29 m				
1939	4.97				
1947	5.52				
<i>32/10 Nene at Wansford</i>					
12.1935		84 cumecs			River Nene Catchment Board. Engineer's Reports 1939 and 1947
3.1937		85			
28.1.1939		164			
1912	5.03 m		1		Reference as above. Levels at Peterborough
1947	5.00		2		Bridge, about 10 miles downstream. Further,
1939	4.63		3		the 1912 level at Stanground Sluice, down-
1928	4.42		4		stream of Peterborough Bridge, was the
1935	4.24		5		highest in a record dating from 1905, i.e. in
1937	4.18		6		a period of 64 years

Area 33 Great Ouse

The 1947 floods are the largest within recent years over an extensive area. Nevertheless there is good evidence to consider the 1823 flood as being higher, at least within the Great Ouse catchment, and that the 1947 levels, which are well recorded, would be about the third highest in 150 years. The information on the various flood levels given here has been taken from the files of the Chief Engineer, Great Ouse River Authority.

Levels have been marked and recorded along the Great Ouse at the following locations in downstream order.

Turvey, 'Ye Three Fyshes'	1.11.1823	45.836 m
	26.9.1797	45.607
	13.3.1947	45.049
Bedford, 'The Phoenix' St Johns u/s Duckmill Weir	1823	27.283 m
	15.3.1947	26.274
St Neots, Old Bridge	1.11.1823	16.886 m
	15.3.1947	15.950

The record is not entirely consistent; a level of 33.598 m for 1823 is recorded on the downstream parapet of Oakley Bridge whereas the 1947 level is given as 35.875 m at an unidentified point at the bridge.

The ranking of the 1947 flood relative to that of 1823 shows some variations from place to place which, perhaps, is not surprising considering the considerable changes in water way cross-sections which have been made in the past 100 years, particularly at locks and bridges.

Buckingham, Ford Street

1823		1	(Assumed)
5.1932	79.614 m	2	
10.10.1875	79.571	3	
13.3.1947	79.525	4	
28.4.1908	79.510	5	
19.1.1918	79.288	6	
14.11.1894	79.132	7	
2.1897	78.922	8	
Bedford, Duckmill Lane			
15.11.1894	26.012 m	2	
15.3.1947	25.964	4	
These levels are augmented by descriptive accounts			
1823		1	'The most memorable flood of the last century'
20.11.1875	(tentative)	2=	'A very high flood'
15.11.1894		2	'A very high flood'

Historical data

St Neots, Old Bridge

1.11.1823	16.886 m	1
15.3.1947	15.950	2
16.11.1894	15.804	3
20.1.1918	15.542	4
11.1875	15.194	5
10.1880	15.182	6
12.1881	15.133	7

33/15 Ouzel at Willen Bridge Weir

16.3.1947	68 cumecs
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33/17 Great Ouse at St Ives Staunch

16.3.1947	6.71 m	310 cumecs
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34/1 Yare at Colney

British Rainfall, 1912. The highest and oldest mark of all the bad floods in Norwich bears the date 1614, but the flood mark of August 1912 stands some 15 inches higher

35/1 Gipping at Constantine Weir

1939	113 cumecs	Ipswich Borough Surveyor and East Suffolk and Norfolk River Authority. These floods have not been exceeded since 1932 when records of the Catchment Board began. Hydraulics Research Station, Report No. EX 406, July 1968
1947	113	

In Essex the order of ranked floods varies from place to place as it is considered that frequently the notable floods are the result of extreme local storms. The dates of the major floods include August 1888, October 1939, March 1947, June 1958 and September 1968.

36/8 Stour at West Mill

3.1947	59 cumecs	Essex River Authority
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37/1 Roding at Redbridge

3.1947	2.56 m	80 cumecs	River Roding Catchment Board
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38/1 Lee at Feildes Weir

Lee Conservancy; Metropolitan Water Board. A series of mean daily flows are available from 1851, less 1859–1872 and 1879 and 1880, of which the annual maxima are ranked and listed here. The early discharges are not reliable but their relative order is of interest. Beardmore's *Manual of Hydrology* contains computations of the 1857 flood.

23.10.1857	280 cumecs	1	1.1924	52.20 cumecs	24	1.1895	39.80 cumecs	47
3.1947	117.92	2	2.1883	50.77	25	1.1959	39.62	48
4.1919	83.49	3	11.1852	50.37	26	12.1896	39.45	49
1.1928	78.65	4	2.1904	50.29	27	12.1960	39.05	50
4.1918	76.72	5	11.1885	50.15	28	2.1953	38.99	51
12.1914	75.37	6	2.1897	49.61	29	1.1951	38.96	52
3.1916	72.09	7	11.1875	48.66	30	12.1929	38.71	53
2.1926	70.87	8	2.1900	47.81	31	12.1930	38.36	54
12.1881	72.73	9	1.1877	47.38	32	12.1911	37.60	55
11.1927	61.34	10	2.1889	46.86	33	3.1964	37.38	56
1.1887	60.75	11	2.1873	46.37	34	10.1909	36.05	57
1.1912	60.42	12	3.1941	46.12	35	2.1961	35.38	58
1.1925	60.13	13	1.1884	45.52	36	3.1969	34.92	59
11.1894	58.40	14	3.1851	45.13	37	11.1963	34.81	60
1.1907	57.12	15	6.1958	44.61	38	3.1905	34.14	61
1.1915	56.74	16	2.1893	44.51	39	1.1936	33.90	62
12.1910	55.40	17	2.1940	44.23	40	1.1942	33.45	63
3.1890	55.34	18	9.1968	44.15	41	1.1962	33.11	64
10.1903	55.33	19	10.1892	43.36	42	4.1908	32.87	65
5.1886	54.79	20	2.1943	42.51	43	1.1856	32.75	66
12.1891	52.85	21	11.1888	41.17	44	2.1945	31.88	67
10.1882	52.80	22	3.1937	40.32	45	1.1913	31.19	68
12.1876	52.37	23	1.1939	40.01	46	1.1949	31.11	69

Historical flood records

12.1954	30.52 cumecs	70	3.1923	27.00 cumecs	80	1.1921	20.34 cumecs	90
12.1938	29.17	71	11.1952	26.72	81	2.1933	19.33	91
11.1950	29.16	72	1.1956	26.57	82	11.1809	19.33	92
2.1878	29.15	73	1.1955	26.11	83	6.1902	15.66	93
12.1957	29.00	74	11.1965	25.53	84	1.1948	14.49	94
10.1917	28.59	75	2.1874	24.97	85	12.1922	14.35	95
2.1967	28.30	76	11.1946	24.67	86	11.1944	12.97	96
2.1966	28.19	77	4.1931	24.04	87	3.1901	12.95	97
1.1920	28.18	78	12.1935	23.38	88	3.1898	10.40	98
12.1906	29.07	79	5.1932	20.89	89	12.1934	8.94	99

Area 39 Mole and Wey Catchment Areas

These two catchment areas are inadequately served by gauging stations to provide a reliable flood frequency analysis, particularly with respect to the outlier of the September 1968 flood, since the existing gauges are sited in or near the headwaters and the longest record is 12 years. However, important additional information has been made available by the investigation carried out for the Thames Conservancy by Messrs C. H. Dobbie and Partners in conjunction with the Resources Group and supported by rainfall analysis by Miss E. M. Shaw of Imperial College.

The data listed below from Esher and Guildford indicate that the September 1968 flood is the largest for over 100 years.

Mole at Esher

16.9.1968	241 cumecs	1	<p>'Feasibility report for alleviation of floods from River Mole in Esher, Molesey, Walton and Weybridge', June 1969. The Thames Conservancy provided the flood data from 1936 onward. Evidence of earlier large floods from 1874 was derived from searches in libraries, museums and newspapers and was checked against rainfall records. Although these earlier discharges, being estimates, do not equal the accuracy of the post 1936 collection their relative magnitude is believed to be satisfactory. Floods pre 1936 less than 65 cumecs were not listed and so those post 1936 have not been given ranks. Floods in brackets are not annual maxima</p>
3.1.1928	127	2	
12.1874	99.1	3=	
14.3.1914	99.1	3=	
26.12.1914	99.1	3=	
31.1.1961	70.8	6	
7.1879	68.0	7=	
3.5.1890	68.0	7=	
11.11.1916	68.0	7=	
16.12.1968	68.0	7=	
(5.12.1960	65.1)		
17.1.1955	60.3		
26.1.1960	60.0		
5.2.1951	58.1		
1.1.1936	56.6		
2.2.1943	56.6		
(10.2.1951	56.6)		
14.3.1969	56.6		
6.2.1940	54.4		
15.11.1940	54.4		
4.2.1950	54.4		
(22.11.1950	54.4)		
(1.12.1954	54.4)		
2.2.1937	53.8		
2.11.1953	53.8		
24.10.1966	53.8		
(18.11.1940	53.8)		

Wey at Guildford

16.9.1968	133.0 cumecs	1	<p>'Feasibility report for alleviation of floods from River Wey at Guildford', June 1969. Mr H. W. Stevens, Manager, Wey Navigation, compiled records of flood levels, dates and weather notes from 1900 included in this collection</p>
16.2.1900	73.9	2	
10.10.1960	73.6	3	
3.1.1928	63.2	4	
9.12.1954	57.2	5	
1.11.1929	50.4	6	

Historical data

19.11.1951	44.6	7
26.2.1933	37.9	8

39/1 Thames at Teddington

'November floods of 1894 in the Thames Valley' by Symons and Chatterton, *Quarterly Journal of the Royal Meteorological Society*, October 1895. This informative paper shows that although there are variations in the levels relative to the 1894 flood between Oxford and Teddington, the 1821 flood was greater, the 1774 and 1809 were probably greater and the 1823 possibly greater, than the 1894 flood at Teddington. (The 1894 flood is the largest in the recorded data at Teddington.)

39/2 Thames at Day's Weir

By inference with 39/1 at Teddington, the 1947 flood is the second largest after 1894.

Levels at other points on the Thames having historical records.

Long Wittenham

3.12.1768	2.33 m	Greatest for 80 years
10.3.1774	2.46	Greatest for a century
27.1.1809	2.77	Greatest on record
26.12.1821	2.69	
1852	2.39	
15.11.1875	2.46	
16.11.1894	2.64	

Staines

1821	16.0 m
1823	15.93
1824	15.62
1828	15.60
1841	15.57
18.11.1852	15.57
17.11.1875	15.70
11.1.1877	15.67
11.1894	15.76

40/3 Medway at East Farleigh

1814	374 cumecs	1	Kent River Authority. Ranked discharges based on flood marks at Mason's Brewery, Maidstone, 4 miles downstream of gauging station and dating from 1814, but not without major discontinuities in 19th century. (The flood of 16.9.1968 was 300 cumecs at the gauging station, which is the third largest from 1900)
1900	372	2	
1927	313	3	
1861	304	4	
1960	297	5	
1860	283	6	
1827	277	7	
1909	270	8	
1911	266	9	
1925	262	10	
1866	259	11	
1862	249	12	
1947	242	13	
1914	234	14	
1865	229	15	
1935	228	16	
1922	222	17	
1963	221	18	
1928	216	19	
1950	215	20=	
1855	215	20=	
1934	201	22	
1924	199	23	
1937	195	24	

Historical flood records

40/10 *Eden at Vexour Bridge*

1956-57	28.6 cumecs
1957-58	85.0
1958-59	26.9
1959-60	28.9
1960-61	36.8

Kent River Authority, Engineer's Department. Annual peak discharges estimated from discharges at Teston and Hever Castle. From a personal communication describing flooding at Hever Castle 5 km upstream of the gauging station, it appears that the major floods of 1968 and 1958 have not been exceeded since at least 1903

40/11 *Great Stour at Horton*

27.12.1927	9.96 m	1
11.2.1947	9.34	2
5.11.1967	9.21	3

Kent River Authority. Ranked levels at Canterbury Westgate, 4 km downstream of gauging station

45/1 *Exe at Thorverton*

45/2 *Exe at Stoodleigh*

1692*
1800*

1809
1810*

1842*
1894
1917
1920
1929
1950
1952

Devon River Authority.

'Dates of Major Floods in Exe Valley'

Water 4-5 ft deep in West-Exe, Tiverton

Heaviest flood in living memory—great damage

Water 5 ft deep in West-Exe, Tiverton

Cowley Bridge destroyed, Exe Island submerged, ships washed onto Quay

Water 2 ft over railway lines at Cowley

Level within 9 inches of December 1960

Lesser flood

Lesser flood

Lesser flood

Level within 9 inches of December 1960

Lynmouth flood

*Comparable to December 1960 flooding. The 1960 flood is therefore tentatively regarded as the second largest since 1842

52/5 *Tone at Bishop's Hull*

16.3.1889	88 cumecs
27.10.1960	88

Somerset River Authority. C. H. Dobbie & Partners, Technical Report on Tone Valley Flood Protection Scheme, Jan. 1962.

14.12.1911	
15.1.1918	54.0
9.2.1923	
1.2.1927	59.9
5.10.1929	
24.11.1929	
4.12.1929	50.3
25.2.1933	
22.9.1949	52.2
25.10.1949	
20.10.1950	52.2
4.11.1951	
30.11.1959	
6.12.1959	50.3

Additional flood information in Taunton over 50 year period was derived from newspaper accounts with discharges estimated from given levels and reduced to the corresponding Bishop's Hull gauging station flood by the factor $(A1/A2)^{7/8} = 0.658$

53/3 *Avon at Bath*

15.11.1894	5.59 m	375 cumecs	1
25.10.1882	5.453	362	2
(13.11.1894	5.293	350)	
31.12.1900	4.790	302	3

The dates and levels are recorded on a river bank wall at rear of Bath Spa Railway Station. Brackets indicate that the floods enclosed are below the annual maximum

Historical data

9.3.1889	4.360	264	4
25.1.1925	4.250	255	5
16.2.1900	4.070	239	6
3.1867	3.938	228	7
11.1875	3.803	218	8
1.1866	3.663	206	9
(13.11.1888	3.630	204)	
16.6.1903	3.430	186	10
8.2.1897	3.133	154	11
7.1875	2.796	121	12
1809	3.81 m		
11.1823	4.04		
15.11.1894	4.06		

British Rainfall, 1894. Levels recorded above Pulteney Weir crest

54/2 Avon at Evesham

30.12.1900	24.63 m	462 cumecs	1
1.10.1848	24.38	430	2
11.11.1852	24.17	396	3
25.10.1882	24.02	371	4
31.5.1924	23.93	357	5
21.10.1875	23.90	354	6
21.5.1932	23.87	351	7
9.3.1889	23.84	348	8
21.7.1875	23.71	329	9
27.12.1935	23.59	309	10
24.2.1933	23.53	303	11
7.8.1879	23.50	297	12
4.5.1886	23.47	295	13
21.1.1896	23.44	289	14
24.3.1867	23.41	283	15
18.12.1872	23.35	275	16
6.10.1880	23.26	263	17=
31.12.1914	23.26	263	17=
27.8.1912	23.23	261	19
10.4.1920	23.10	246	20
29.4.1908	23.07	241	21
20.1.1918	23.01	232	22
11.5.1878	22.95	229	23=
4.12.1910	22.95	229	23=
2.1.1926	22.92	227	25
15.3.1894	22.86	215	26
2.1.1928	22.80	210	27
24.1.1872	22.71	198	28
20.2.1880	22.65	190	29
19.12.1881	22.56	181	30

Severn River Authority flood lists.
All major annual floods from 1848 to 1935 recorded by Messrs H. Burlingham on gauge board opposite present recorder

54/5 Severn at Montford

14.1.1948	6.22 m	411 cumecs
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Severn River Authority

54/6 Stour at Kidderminster

2.1795	3.40 m
14.5.1886	3.17

Severn River Authority. C. H. Dobbie & Partners. Feasibility Report, River Stour Worcestershire, Kidderminster Flood Alleviation Scheme, Feb. 1971. Flood of 1886 approximately equals that of 1955

Historical flood records

54/8 Teme at Tenbury

5.1886	6.55 m	362 cumecs	Severn River Authority
5.1947	5.73	292	
3.1955	5.49	272	

54/802 Severn at Welsh Bridge (Shrewsbury)

4.2.1795	52.666 m	1	Severn River Authority. The flood levels recorded from 1672 to 1950 are given in ranked order. A water level recorder was installed in 1950
18.11.1770	52.514	2	
23.12.1672	52.462	3	
9.2.1946	52.426	4	
20.12.1869	52.374	5	
7.2.1852	52.325	6	
21.3.1947	52.298	7	
5.11.1852	52.121	8	
14.1.1948	52.020	9	
1.1.1877	51.993	10	
10.2.1941	51.968	11	
10.2.1831	51.840	12	
15.1.1849	51.816	13=	
23.1.1899	51.816	13=	
16.11.1880	51.612	15	
4.1.1925	51.587	16	
17.2.1928	51.511	17	
1.1.1879	51.459	18=	
1.1.1880	51.459	18=	
25.11.1928	51.435	20=	
11.2.1950	51.435	20=	
15.5.1886	51.359	22=	
18.12.1910	51.359	22=	
1.3.1923	51.359	22=	
11.12.1929	51.206	25	
16.12.1936	51.182	26	
17.1.1939	50.697	27	

54/803 Severn at Diglis Lock (Worcester)

20.3.1947	15.58 m	1	British Waterways Board and Severn River Authority. List of major flood levels, defined as exceeding 48.00 ft OD (14.030 m), from 1866 to 1968
15.5.1886	15.42	2	
6.12.1960	15.09	3	
26.1.1960	15.06	4	
11.2.1946	15.03	5=	
2.6.1924	15.03	5=	
22.12.1965	14.89	7	
11.12.1929	14.77	8=	
11.2.1941	14.77	8=	
13.2.1950	14.77	8=	
9.2.1940	14.74	11	
16.1.1948	14.72	12	
28.3.1955	14.69	13	
12.2.1881	14.69	14	
19.1.1959	14.63	15	
17.1.1968	14.60	16	
12.4.1889	14.59	17=	
5.1.1925	14.59	17=	
28.9.1957	14.51	19=	
21.12.1869	14.51	19=	
5.12.1910	14.43	21	

Historical data

12.2.1958	14.39	22
1.1.1901	14.31	23
4.1.1877	14.28	24 =
4.1.1915	14.28	24 =
27.11.1928	14.28	24 =
28.2.1937	14.28	24 =
21.3.1919	14.27	28
11.1.1867	14.23	29 =
11.11.1951	14.23	29 =
1.1.1883	14.20	31 =
3.3.1923	14.20	31 =
28.5.1969	14.20	31 =
12.11.1875	14.19	34 =
23.1.1899	14.19	34 =
2.1.1926	14.19	34 =
2.2.1943	14.19	34 =
2.3.1933	14.16	38
16.10.1891	14.13	39
29.1.1890	14.08	40 =
14.11.1894	14.08	40 =
5.1.1945	14.08	40 =
19.10.1879	14.05	43 =
21.12.1881	14.05	43 =
21.11.1920	14.05	43 =
2.1.1949	14.05	43 =
29.10.1903	14.01	47 =
31.5.1931	14.01	47 =
22.11.1935	14.01	47 =
4.2.1942	14.01	47 =
29.1.1956	13.98	51 =
3.1.1902	13.98	51 =
27.11.1872	13.96	53 =
16.12.1964	13.96	53 =

Severn at Worcester

18.11.1770	15.651 m
20.3.1947	15.636
16.5.1886	15.502
23.12.1672	15.398
2.6.1924	15.121
11.2.1946	15.100
11.1852	15.094
10.2.1940	14.816
13.2.1950	14.807
16.1.1948	14.786
15.2.1852	14.627
18.1.1939	14.609
5.12.1910	14.475

Severn River Authority flood lists. Flood levels on south wall of Water Gate, Worcester Cathedral, ranked

54/814 Severn at Ironbridge 1946–1968

10.2.1946	43.282 m
21.3.1947	43.099
6.12.1960	42.876
20.12.1965	42.724
16.1.1948	42.367
17.1.1968	42.267

Severn River Authority flood lists. Central Electricity Generating Board flood levels at Power Station, ranked

Historical flood records

15.12.1964	42.062
26.1.1960	41.505
28.3.1955	41.401
12.2.1958	41.325
12.12.1966	40.996
4.1.1959	40.868
30.12.1951	40.791
29.11.1956	40.715
8.3.1963	40.639
19.1.1965	40.438
8.1.1951	40.258
18.12.1952	40.057

54/815 Severn at Gloucester 1770–1970

18.11.1770	11.671 m
12.2.1795	11.521
28.1.1809	11.369
21.2.1947	11.079
15.11.1852	10.924
15.5.1886	10.638
27.1.1960	10.528
10.2.1940	10.485
12.12.1929	10.485
4.6.1924	10.485
2.1.1901	10.424
7.12.1960	10.424
20.1.1939	10.394
6.1.1877	10.378
29.12.1954	10.351
22.12.1965	10.351
6.12.1910	10.333
5.1.1915	10.287
23.3.1919	10.257
4.1.1925	10.241
23.10.1875	10.241
22.1.1900	10.235
25.1.1959	10.223
27.10.1882	10.135
12.2.1946	10.135
15.2.1950	10.135
13.4.1889	10.104
13.2.1881	10.089
21.2.1900	10.089
16.12.1891	10.058
13.2.1941	10.058

Severn River Authority flood lists. Ranked historic levels

55/2 Wye at Belmont

11.2.1795	52.30 m	1080 cumecs
6.2.1852	51.80	892
19.12.1869	51.08	651
1.1.1892	50.81	566
15.11.1895	50.88	595
22.1.1899	51.16	680

Wye River Board. Reference Book, Vol. 2, 1955. Levels of major floods recorded at Old Wye Bridge

56/1 Usk at Chain Bridge

27.5.1931	790 cumecs
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Usk River Authority. Pontypool Rural

Historical data

56/4	<i>Usk at Llandetty</i>				District Council. 'The River Usk, with special reference to the exceptional floods in 1931'. The discharge at Chain Bridge was derived from the peak computed at Usk, which was said to be the 'greatest for upward of 60 years' . . . say from 1870
	4.12.1960	5.03 m	610 cumecs		Usk River Authority. Level was recorded prior to construction of flood bank and discharge is probably underestimated
60/1	<i>Towy at Ty Castell</i>				South West Wales River Authority. Used in 1933 ICE Flood Report
	1931	6.4 m	1270 cumecs		
68/1	<i>Weaver below Ashbrook</i>				Mersey and Weaver River Authority. Weaver Navigation Trustees. The highest flood recorded at Ashbrook on 8.2.1946 with an estimated discharge of 212 cumecs is reported to be much higher than any other flood since 1851 when a similar flood occurred
	1851		approx. 212 cumecs		
69/1	<i>Irwell at Adelphi Weir</i>				Salford Corporation—Flood levels. Mersey and Weaver River Authority—Flood discharge estimates. Dates of large floods since 1616 were also given in this list of Irwell Floods, but neither levels nor discharges are available
	11.1866		524 cumecs	1	
	12.1880		411	2	
	1.1885		368	3	
	1.1883		360	4	
	2.1920		348	5	
	8.1928		340	6	
	11.1931		329	7	
	12.1921		312	8	
	1870		292	9	
	8.1912		289	10=	
	11.1923		289	10=	
	2.1925		289	10=	
	8.1909		255	13	
72/1	<i>Lune at Halton</i>				Chapman & Buchanan—'Frequency of Floods of normal maximum intensity in upland areas of Great Britain'. ICE Symposium, River Flood Hydrology, 1965. Listed and ranked are discharges estimated at Caton Low Mill, 2½ miles upstream of Halton gauging station. The figures 'may be said to give a complete record of the very highest floods for a period of some 80 years . . .', but note that items 9, 10 and 11 are not annual maximum floods
	2.12.1954		1161 cumecs	1	
	13.11.1923		1119	2	
	26.1.1903		1104	3	
	3.11.1927		1048	4	
	14.12.1936		991	5	
	2.9.1892		977	6	
	21.9.1927		906	7	
	10.2.1920		878	8	
	18.10.1954		835	9	
	23.10.1954		835	10	
	8.9.1903		793	11	
73/805	<i>Kent at Kendal</i>				Lancashire River Authority. C. H. Dobbie & Partners 'Feasibility Report on River Kent, Kendal Improvement Scheme', January 1970. The flood records which may be incomplete are derived from marks on the
	2.11.1898		368 cumecs	1	
	7.10.1874		280	2=	
	2.12.1954		280	2=	
	27.10.1927		280	2=	
	26.11.1861		248	5	

Historical flood records

9.2.1831	222	6=	right bank railings downstream of Miller
2.2.1852	222	6=	Bridge and from newspapers and other written records. An autographic recorder was installed at Nether Bridge in 1963

76/2 *Eden at Warwick Bridge*

76/7 *Eden at Sheepmount*

8.12.1856

1933

1.1.1925

Cumberland River Authority. Engineer's Report on 1968 flooding. A number of floods are known in Carlisle but not all can be ranked. The floods of 1856, 1933 and 1925 appear to be in order after 1968 and those of 1945, 1954 and 1964 follow closely. Because the flood peaks below Carlisle are dependent partly on the degree of synchronisation of peaks from the tributaries Irthing, Caldew and Petteril, the same ranking cannot be extended with confidence above Carlisle. For instance, in the Upper Eden at Appleby the 1964 flood was said to be the highest in living memory, yet in Carlisle the 1964 level was exceeded by that of 1954. Nevertheless, the 1968 flood is likely to be the highest for about 110 years throughout the Eden Valley

5 Master List of gauging stations, catchment characteristics and flood statistics

The Master List is divided into the following four parts:

Comprehensive list of gauging stations with details

Catchment characteristics

Calendar day and Instantaneous annual maximum flood statistics

Instantaneous floods—peaks over threshold statistics

In the first part all gauging stations are catalogued; in the following three parts only those stations appear for which additional data were extracted and they are identified by the Water Resources Board based numbering system. From the overall total of 1294 stations, 755 are relisted in this way including 112 from the Republic of Ireland.

A list of the abbreviations, with units where required, used in this Master List follows this introduction, together with an alphabetical glossary of the authorities from which the records were obtained. Many of these names have now changed owing to amalgamation and re-organisation from those existing when records were compiled.

In the majority of cases the microfilms, whose period of record is given in the first part, are continuous records from charts inscribed by water level or discharge recorders, and so certain long records derived from daily levels entered in ledgers are not indicated except under NUMAM (number of annual maximum floods) in the later part, Instantaneous flood statistics. Such long records which have been used in analyses include 27/21 Don at Doncaster from 1868, 28/804 Trent at Trent Bridge from 1883, 39/1 Thames at Teddington from 1882, 67/803 Dee at Chester Weir from 1893 and 201/6 Annalong at Recorder from 1895.

In a similar way the instantaneous flood inflows to 54/3 at Vyrnwy Reservoir computed by the Liverpool Corporation authorities have been used in the analysis.

The records of stations in the Republic of Ireland have not been micro-filmed and the dates included with those stations represent the duration of the records from which data were extracted.

The catchment area for station 28/801 on Burbage Brook is entered correctly in the table as 9.1 km²; however this was determined only after it was too late to change the incorrect figure of 13.0 km² used in the analysis.

In the final three parts of the Master List the availability of data varies but the same subset of stations is used in each to assist in visual study of the results.

Abbreviations used in the Master List

Basic data:

STATION	WRB or IH registered number
TP	Type of record, i.e. R = Recorder L = Ledger
SOURCE	Organisation providing data—see separate list
GR	Grade, i.e. rating index at MAF level
AREA	Catchment area (km ²)

Catchment characteristics:

MSL	Main stream length (km)
DVF	Dry valley factor
SI085	10–85% stream slope (m/km)
TAYSLO	Taylor–Schwarz slope (m/km)
STMFRQ	Stream frequency (junctions/km ²)

Master List

SAAR	Standard (1916–50) annual average rainfall (mm)
M52D	5 year maximum 2 day rainfall (mm)
SMDBAR	Effective mean soil moisture deficit (mm)
RSMD	Rainfall minus soil moisture deficit (mm)
SOIL1	Fraction of catchment in soil class 1
SOIL2	Fraction of catchment in soil class 2
SOIL3	Fraction of catchment in soil class 3
SOIL4	Fraction of catchment in soil class 4
SOIL5	Fraction of catchment in soil class 5
SOIL	Soil index, defined as $(0.15 \text{ SOIL1} + 0.30 \text{ SOIL2} + 0.40 \text{ SOIL3} + 0.45 \text{ SOIL4} + 0.50 \text{ SOIL5}) / (\text{SOIL1} + \text{SOIL2} + \text{SOIL3} + \text{SOIL4} + \text{SOIL5})$
URBAN	Fraction of catchment in urban development
LAKE	Fraction of catchment draining through lake or reservoir

Calendar day statistics

MAX FLOOD	Maximum recorded flood (cumecs)
YEAR MAX	Year of the maximum flood
NUM CAL	Number of annual maximum floods
CALMAF	Arithmetic mean annual flood (cumecs)
CALMED	Median annual flood (cumecs)
CALGRM	Graphical mean annual flood (computed by curve fitting) (cumecs)
CALCV	Coefficient of variation of annual series (%)

Instantaneous flood statistics:

MAX FLOOD	Maximum recorded flood (cumecs) (Q_{\max} in I.2)
YEAR MAX	Year of the maximum flood
NUM AM	Number of annual floods (N)
AMAF	Arithmetic mean annual flood (cumecs) (\bar{Q})
MEDAF	Median annual flood (cumecs) (Q_{med})
GRMAFC	Graphical mean annual flood (computed from the ordinate $E(y) = 0.5772$ of the curve $Q = a_0 + a_1y + a_2y^2$ fitted by least squares)
CV	Coefficient of variation of annual series (%)
EXTMAF	Extended mean annual flood (cumecs)
BESMAF	EXTMAF where this exists; AMAF in other cases (cumecs)

Instantaneous floods; peaks over threshold or partial duration series statistics:

RATE3	Average number of peaks per year, from nominally three per year series
THRESH3	Threshold estimated from three per year series
BETA3	Scale parameter estimated from three per year series
RATE2	Average number of peaks per year, from nominally two per year series
THRESH2	Threshold estimated from two per year series
BETA2	Scale parameter estimated from two per year series
RATE1	Average number of peaks per year, from nominally one per year series
THRESH1	Threshold estimated from one per year series
BETA1	Scale parameter estimated from one per year series
PT3MAF	Mean annual flood estimated from three per year series
PT2MAF	Mean annual flood estimated from two per year series
PT1MAF	Mean annual flood estimated from one per year series

Abbreviations of gauging authorities

Abbreviations of gauging authorities and other sources of data

ABWB	Ayrshire and Bute Water Board
ADRA	Avon and Dorset River Authority
BAC	British Aluminium Co. Ltd
BARA	Bristol Avon River Authority
BC	Bolton Corporation
BCC	Birmingham County Borough
BCWC	Belfast City and District Water Commissioners
BW	Bristol Waterworks Co.
BWB	British Waterways Board
CBW	Wolverhampton County Borough
CC	Cardiff County Borough
CCB	Coventry County Borough
CCC	Caithness County Council
CDC	Cumbernauld Development Corporation
CEGB	Central Electricity Generating Board
CP	Plymouth County Borough
CRA	Cornwall River Authority
CRPB	Clyde River Purification Board
CSWB	Sheffield County Borough Water Board
CURA	Cumberland River Authority
CW	Corby and District Water Co.
CWB	Calderdale Water Board
CWDC	Cwmbran Development Corporation
DAFS	Department of Agriculture and Fisheries for Scotland
DC	Dundee Corporation
DCRA	Dee and Clwyd River Authority
DCWB	Durham County Water Board
DDRPB	Dee and Don River Purification Board
DRA	Devon River Authority
DVWB	Derwent Valley Water Board
ECWB	East Cornwall Water Board
EDWB	East Devon Water Board
ERA	Essex River Authority
ESB	Electricity Supply Board (Dublin)
ESNRA	East Suffolk and Norfolk River Authority
EWC	Essex Water Co.
FRPB	Forth River Purification Board
FWB	Fylde Water Board
FWBA	Freshwater Biological Association
G&K	Glenfield and Kennedy Ltd
GLC	Great London Council
GORA	Great Ouse River Authority
GRA	Glamorgan River Authority
GWB	Gwent Water Board
GWRA	Gwynedd River Authority
HC	Hastings County Borough
HCW	Hartlepoons Water Co.
HRA	Hampshire River Authority
IH	Institute of Hydrology
IOM	Isle of Man, Borough of Douglas

Master List

IOW	Isle of Wight River and Water Authority
IWU	Ipswich County Borough
KGW	Kendal Gas and Water Department
KRA	Kent River Authority
LC	Lee Conservancy Catchment Board
LCWB	Lower Clyde Water Board
LCWW	Liverpool County Borough
LINRA	Lincolnshire River Authority
LRA	Lancashire River Authority
LRPB	Lothians River Purification Board
MCW	Manchester County Borough
MFNI	Ministry of Finance, Northern Ireland
MSWB	Mid-Scotland Water Board
MSWCC	Mid-Sussex Water Co.
MWRA	Mersey and Weaver River Authority
MWWC	Mid-Wessex Water Co.
NC	Nature Conservancy
NMCWB	North and Mid-Cornwall Water Board
NCW	Norwich County Borough
NDWB	North Devon Water Board
NESWB	North East of Scotland Water Board
NGWC	Newcastle and Gateshead Water Co.
NRA	Northumbrian River Authority
NSHEB	North of Scotland Hydro-Electric Board
NWSWB	North West Sussex Water Board
OPW	Office of Public Works (Dublin)
RFR	River Flow Records (Capt. W. N. McClean, via Professor P. O. Wolf, City University)
RHFWB	Higham Ferrers and Rushden Water Board
RJWB	Rugby Joint Water Board
RRL	Transport and Road Research Laboratory
SCW	Scarborough Municipal Corporation Waterworks
SDC	Stevenage Development Corporation
SDD	Scottish Development Department
SERA	Severn River Authority
SESWB	South East of Scotland Water Board
SHDB	South Holland Drainage Board
SORA	Somerset River Authority
SRA	Sussex River Authority
SRE	Spadeadam Rocket Establishment
SRPB	Solway River Purification Board
SSEB	South Scotland Electricity Board
SSSWC	Sunderland and South Shields Water Co.
SSW	South Staffordshire Waterworks Co.
SW	Southend on Sea County Borough
SWDWB	South West Devon Water Board
SWSWB	South West of Scotland Water Board
SWWB	South Warwickshire Water Board
SWWRA	South West Wales River Authority
SWWWB	West Glamorgan Water Board
TC	Thames Conservancy
TF	Taf Fechan Water Board

Abbreviations of gauging authorities

TRA	Trent River Authority
TRPB	Tweed River Purification Board
TYRPB	Tay River Purification Board
TVCWB	Tees Valley and Cleveland Water Board
UE	University of Exeter
URA	Usk River Authority
WDWB	Wakefield and District Water Board
WIWB	Wirral Water Board
WNRA	Welland and Nene River Authority
WR	Water Research Association
WRA	Wye River Authority
WRB	Water Resources Board
WSWB	West Somerset Water Board
WWB	Wakefield and District Water Board
WXWB	Wessex Water Board
YRA	Yorkshire River Authority

STATION	RIVER AND STATION NAME	GRID REF	TP	SOURCE	GR	MICROFILM START	MICROFILM END	DAILY FLOW START	DAILY FLOW END	AREA
3801	CASSIEY AT DOCHALLY	NC307168	R	NSHEB	C	11 9 1950	15 1 1968			72.3
3802	FIAG AT FIAG	NC456206	R	NSHEB	Z					64.2
3803	TIRRY AT RITAN BRIDGE	NC553167	R	NSHEB	B	20 6 1950	3 12 1958			45.1
3804	CASSIEY AT INTAKE	NC336170	R	NSHEB	Z	31 12 1962	11 1 1971			495.0
3901	SHIN AT LAIRG	NC581062	R	NSHEB	B	23 6 1950	13 1 1959	1953	1967	971.0
4001	CONCE AT IDY BRIDGE	NH483567	R	NSHEB	B	9 7 1945	6 1 1958	1953	1965	
5801	GLASS AT FASNAKYLE BRIDGE	NH321295		NSHEB	Z					
5802	FARRAR AT LOCH BEANNAICHRAN	NH330396		NSHEB	Z					
5803	FARRAR AT FARRAR WEIP			NSHEB	Z					
5901	BEAULY AT ERCHLESS	NH4626406	R	NSHEB	B	9 12 1949	5 1 1964	1953	1962	850.0
6801	NESS AT NESS SIDE	NH6645427		DAFS						1840.0
6802	GARRY AT POLARY FISH WECK	NH112010		NSHER	Z					
6803	MORISTON AT TARGYLE	NH300129		NSHEB	Z					
6804	LOCH NESS AT THE ABBEY FORT AUGUSTINE	NH382092	R	RFR	Z	7 9 1929	12 10 1931			
6805	LOCH GARRY LOCH LEVEL	NH276023	R	RFR	Z	25 10 1931	10 2 1937			
6806	LOCH GICH LOCH LEVEL	NH330030	R	RFR	Z	19 6 1929	18 9 1931			
6807	LOCH QUOICH AT GLEN QUOICH	NH028028	R	RFR	Z	17 7 1933	8 7 1945			
6901	NESS AT NESS CASTLE FARM	NH639410	L	NSHER	B	29 7 1930	27 9 1941	1935	1963	1790.0
6902	FOYERS AT FOYERS	NH490190	R	BAC	E	31 7 1930	5 10 1943			391.0
6903	MORISTON AT INVERMURISTON	NH416169	R	RFR	B	19 3 1930	10 5 1954			386.0
6904	GARRY AT INVERGARRY	NH316011	R	RFR	B	4 9 1929	5 1 1941			27.5
6905	NESS AT DOCHF0UR	NH612395	R	RFR	E	14 10 1929	11 6 1962	1953	1962	417.0
6906	ALLT BHLARAIDH AT INVERMORISTON	NH377168	R	NSHEB	B	29 12 1950	26 10 1963	1962	1965	782.0
7001	FINDHORN AT SHERACHIE	NH828339	R	DAFS	B	1 8 1960	29 9 1970			216.0
7002	FINDHORN AT FORRES	NJ018583	R	DAFS	B	19 6 1958	27 9 1970			2640.0
7003	LOSSIE AT SHERIFF HILLS	NJ198626	R	DAFS	A1	19 7 1958	27 9 1970	1938	1965	1010.0
8001	SPEY AT ABERLOUR	NJ278439	R	RFR	A1	1 9 1938	27 9 1970	1951	1965	534.0
8002	SPEY AT KINRARA	NH81082	R	DAFS	A1	7 8 1951	28 9 1970	1952	1965	544.0
8003	SPEY AT RUTHVEN BRIDGE	NH750096	R	DAFS	A2	6 8 1951	27 9 1970			1270.0
8004	AVON AT DELNASHAUGH	NJ184352	R	DAFS	B	3 8 1952	30 9 1970	1957	1965	2850.0
8005	SPEY AT BOAT OF GARTEN	NH946191	R	DAFS	A1	29 8 1951	27 7 1970	1957	1965	401.0
8006	SPEY AT BOAT OPRIG	NJ318518	R	DAFS	B	10 8 1952	1 10 1970	1957	1965	130.0
8007	SPEY AT INVERTRUH	NH688064	R	DAFS	A1	16 9 1952	27 9 1970	1958	1965	272.0
8008	TROMIE AT TROMIE BRIDGE	NH788095	R	DAFS	B	8 9 1952	27 9 1970	1953	1965	1750.0
8009	DULNAN AT BALNAAN BRIDGE	NH976267	R	DAFS	B	23 1 1952	26 9 1970			
8010	SPEY AT GRANTOWN	NJ034268	R	DAFS	A1	29 11 1951	28 9 1970			
8801	SPEY AT KINCRAIG	NH835055	R	DAFS	E	12 7 1951	25 9 1970			
8802	SPEY AT FOCHABERS	NJ340591	R	DAFS	E	7 8 1953	30 9 1970			
9901	SPEY AT LAGGAN BRIDGE	NH614943	R	BAC	E	22 2 1935	1 11 1939			220.0
9902	FESHIE AT FESHIE BRIDGE	NH851042	R	DAFS	E	27 7 1951	28 9 1970			224.0
9001	DEVERON AT AVOCHIE	NJ532464	R	DAFS	B	4 11 1959	27 9 1970	1962	1965	462.0
9002	DEVERON AT MUIRESK	NJ705498	R	DAFS	A1	21 6 1960	26 9 1970	1962	1965	956.0
9801	ALLT DEVERON AT KINGSFORD BRIDGE	NJ379288	R	NESWB	R	22 10 1948	3 1 1971			176.0
9803	ISLA AT GRANGE	NJ494506	R	DAFS	E	8 7 1960	23 9 1970			448.0
10001	YTHAN AT ARDLETHAN	NJ924308	R	DAFS	A	5 6 1939	29 9 1970			
10801	YTHAN AT METHLICK	NJ856376	R	DAFS	E					
11001	DON AT PARKHILL	NJ887143	R	DDRPB	B	25 11 1969	5 10 1970	1929	1968	1290.0
12001	DEE AT CAIRNTON	N0632060	R	NESWB	B	1 8 1915	6 10 1969			1370.0
12801	GLEN DVE AT BRIDGE OF DVE	N0651851	R	NESWB	E	28 1 1957	2 10 1969			
12802	DEE AT BALMORAL	N0262948	R	NESWB	E	13 12 1938	2 10 1969			

STATION	RIVER AND STATION NAME	GRID REF	TP	SOURCE	GR	START	MICROFILM END	DAILY FLOW START	END	AREA
12803	DEE AT PINNET	N0467083	R	MSWB	E	13 12 1938	2 10 1969			
14001	EDEN AT KEMBACK	N0415158	R	TVRPB	B	29 9 1967	29 3 1971			307.0
14801	DIGHTY WATER AT HALMOSSIE	N0476325	R	TVRPB	E					
15001	ISLA AT FORTER	N0187647	R	DC	B	26 8 1947	29 12 1969	1950	1968	70.7
15002	HEWTON AT NEWTON	N0230605	R	DC	B	18 7 1949	29 12 1969	1960	1968	15.4
15003	TAY AT CAPJTH	N0088395	R	DAFS	A1	16 1 1948	20 9 1970	1947	1965	3210.0
15004	INZIOH AT LOCH OF LINTRATHEN	N0280559	R	DC	B	25 12 1950	29 12 1969	1927	1965	24.7
15005	MELGAM AT LOCH OF LINTRATHEN	N0275558	R	DC	B	25 12 1950	29 12 1969	1927	1965	40.9
15006	TAY AT BALLATHIE	N0147367	R	DAFS	A1	3 10 1952	2 10 1970	1956	1965	4590.0
15007	TAY AT PITNACREE	N0024534	R	DAFS	A1	2 11 1951	27 9 1970	1957	1965	1150.0
15008	DEAN AT COOKSTON	N0340479	R	DAFS	A2	26 9 1953	27 9 1970			177.0
15801	LOCH OF LINTRATHEN WASTE WFTR	N0283546	R	DC	E	1 11 1935	29 9 1969			
15802	ISLA AT KEMPHILL	N0205400	R	DAFS	E	3 8 1953	29 9 1970			
15803	ALMOND AT ALMOND BANK	N0069257	L	NSHEB	E					
15804	TUMMEL AT DORT-NA-CRAIG	N0038577	L	NSHEB	E					
15805	ERROCHTY AT STRUAN	N0810656	Z	NSHEB	Z					
15806	TAY AT KENMORE	N0775455	E	DAFS	E					
15807	LYON AT COMRIE BRIDGE	N0785480	E	DAFS	E					
15808	ALMOND AT INTAKE	N0758332	R	NSHEB	C	2 5 1961	5 1 1971			17.7
15800	MUCKLE BURN AT EAST HILL	N0223604	R	DC	B	23 4 1940	29 12 1969			16.5
15901	GARRY AT KILLIECRANKIE	N0012628	Z	NSHER	Z					
15902	LYON AT MOAR	N0536448	R	NSHEB	E	30 6 1949	7 1 1957	1953	1958	161.0
16001	EARN AT KINKELL BRIDGE	N0932166	R	DAFS	B	9 11 1948	29 9 1970	1947	1965	591.0
16002	EARN AT ABERJUCHILL	N0754216	R	DAFS	B	10 6 1955	27 9 1970	1958	1965	177.0
16801	EARN AT COMRIE BRIDGE	N0767221	R	NSHEB	E					
16802	RUCHILL WATER AT CILTYRRAGGAN	N0764202	R	NSHEB	C	3 6 1959	1 12 1969			99.5
16803	EARN AT LOCH EARN JEIR	N0609241	L	NSHEB	E					
17001	CARRON AT HEADSWOOD	N0834817	R	FRPB	E					
17002	LEVER AT LEVEN	N0369006	R	FRPB	B	12 11 1968	1 10 1969			424.0
17801	RED BURN AT CUMBERNAULD		R	CDC	E					
17802	CARRON AT LONGHILL WEIR	N0770849	R	MSWB	E					
17803	CARRON AT LARBERT VIADUCT	N0859815	R	MSWB	E					
17804	S QUEICH AT KINROSS ROAT H.HOUSE	N0122015	R	NC	E					
17805	CARRON BELOW CARRON RESERVOIR	N0710839	R	MSWB	E					33.7
17806	LOCH LEVEN		L		E					
18001	ALLAN WATER AT KINBUCK	N0792053	R	DAFS	B	23 7 1957	4 4 1970	1957	1965	161.0
18002	DEVON AT GLENOCHIL	N0850960	R	DAFS	A1	31 8 1956	7 4 1970			481.0
18003	TEITH AT BRIDGE OF TEITH	N0725011	R	DAFS	B	12 10 1939	4 4 1970	1963	1965	518.0
18004	DEVON AT DEVONVALE	N0920064	R	DAFS	E	31 8 1956	27 1 1964			
18801	GOODIE WATER AT NETHEPTON	N0660087	R	DAFS	E	6 6 1956	3 4 1970			58.0
18802	GOODIE WATER AT LAKE OF MOUNTTEITH	N0590008	L	DAFS	E					
18803	TEITH AT LUCH KATRINE	N0490067	L	LCWB	E					
18804	TURK	N0529077	L	LCWB	E					
18805	FORTH AT DRIP BRIDGE	N0775055	R	FRPB	E					
18806	DEVON AT RUMBLING BRIDGE	N01018099	R	FRPB	E					
19001	ALMOND AT CRAIGIE HALL	N0165752	R	DAFS	A1	31 8 1956	6 10 1970	1957	1970	369.0
19002	ALMOND AT ALMOND WFTR	N0004652	R	LRPB	B	14 4 1961	6 10 1970	1961	1965	43.8
19003	BREICH WATER AT BREICH WEIR	N0104639	R	LRPB	B	28 6 1961	6 10 1970	1961	1965	51.8
19004	NORTH ESK AT DALMORE WFTR	N0252616	R	LRPB	C	28 3 1961	13 10 1970	1961	1965	81.6
19005	ALMOND AT ALMONDELL	N0866686	R	LRPB	B	31 1 1962	6 10 1970	1962	1965	229.0

STATION	RIVER AND STATION NAME	GRID REF	TP	SOURCE	GR	START	MICROFILM END	DAILY FLOW START END	AREA
10006	WATER OF LEITH AT MURRAYFIELD	NT228732	R	LRPB	B	25 5 1962	6 10 1970	1962 1965	107.0
10007	ESK AT MUSSELBURGH	NT339723	R	LRPB	B	19 12 1961	6 10 1970	1962 1965	326.0
10008	SOUTH ESK AT PRESTONHOLM	NT325623	R	LRPB	A2	18 10 1963	6 10 1970	1964 1965	112.0
10009	BOG BURN AT COBRINSHAW	NT026501	R	LRPB	E	19 6 1962	6 10 1970		16.2
10010	BRAID BURN AT LIBERTON	NT273707	R	LRPB	E	18 11 1968	6 10 1970		137.0
10012	NORTH ESK AT DALKEITH PALACE	NT333678	R	LRPB	B	27 6 1962	6 10 1970		
10013	MILL LADE AT INVERESK		R	LRPB		15 1 1962	6 10 1970		
20001	TYNE AT EAST LINTON	NT591768	R	DAFS	A1	23 12 1958	27 5 1970	1962 1965	307.0
20002	PEFFER WEST AT LUFFNESS	NT489811	R	LRPB	A1	27 10 1965	1 10 1970		26.2
20003	TYNE AT SPILMERSFORD	NT656689	R	LRPB	B	9 2 1962	7 10 1970		161.0
20004	PEFFER FAST AT LOCHMUSES	NT610824	R	LRPB	B	30 5 1966	8 10 1970		31.1
20001	BIRNS WATER AT SALTOUN HALL	NT457678	R	LRPB	C	9 2 1962	30 9 1970		93.0
20002	BROXBURN AT BROXMOUTh	NT697776	R	LRPB	E	13 4 1966	8 10 1970		19.7
20003	PILMUIS BURN AT SEACLIFF	NT600835	R	LRPB	E	22 7 1966	1 10 1970		
20004	THORNTON BURN AT THORNTON HILL	NT742741	R	LRPB	E				142.0
20005	BIEL WATER AT BELTON HOUSE	NT645768	R	LRPB	E				51.8
21001	FRUID WATER AT FRUID	NT088228	R	SESUB	A2	1 10 1947	4 12 1967	1959 1968	23.7
21002	WHITEADDER WATER AT HUNGRY SNOUIT	NT663633	R	SESUB	B	30 12 1957	16 6 1968	1959 1968	45.6
21003	TWEED AT PEEBLES	NT57400	R	DAFS	B	1 6 1939	4 10 1970	1959 1965	696.0
21004	WATCH WATER AT WATCH WATER RES	NT664566	R	SESUB	Z			1967 1968	
21005	TWEED AT LYNE FORD	NT206307	R	TRPB	B	13 3 1961	6 10 1969	1961 1965	373.0
21006	TWEED AT BOLESIDE	NT698334	R	TRPB	A1	11 7 1961	7 10 1969	1961 1965	1500.0
21007	ETTRICK WATER AT LINDEAN	NT486315	R	TRPB	B	29 9 1961	7 10 1969	1961 1965	699.0
21008	TEVIOT AT ORMISTON MILL	NT702280	R	TRPB	A1	17 10 1960	6 10 1969	1961 1965	1110.0
21009	TWEED AT MORHAM	NT898477	R	DAFS	A1	10 7 1939	5 10 1970	1962 1965	4390.0
21010	TWEED AT DRYBURGH	NT588320	R	DAFS	A2	14 9 1938	5 10 1970	1963 1965	2080.0
21011	YARROW AT PHILLIPHAUGH	NT459277	R	TRPB	A1	28 9 1962	7 10 1969	1963 1965	233.0
21012	TEVIOT AT HAWICK	NT522159	R	TRPB	A1	18 9 1963	7 10 1969	1963 1965	323.0
21013	GALA WATER AT GALASHIELS	NT479374	R	TRPB	A2	30 9 1963	7 10 1969	1964 1965	207.0
21014	TWEED AT KINGLEDRES	NT109285	R	TRPB	E	28 8 1961	6 10 1969		
21015	LEADER WATER AT EARLSTON	NT565388	R	TRPB	B	30 9 1966	6 10 1969		239.0
21016	EYE AT EYEMOUTH MILL	NT942635	R	TRPB	B	27 9 1967	6 10 1969		119.0
21017	ETTRICK WATER AT BROCKHOBERTIG	NT234132	R	TRPB	A2	27 8 1965	6 10 1969		37.5
21018	LYNE WATER AT LYNE STATION	NT209401	R	TRPB	A1	25 7 1968	6 10 1969		175.0
21019	MANCP WATER AT CADEMUIR	NT217369	R	TRPB	B	27 9 1968	6 10 1969		61.6
21020	YARROW WATER AT GORDON ARMS	NT309247	R	TRPB	B	30 5 1967	6 10 1969		155.0
21021	TWEED AT SPROUSTON	NT753354	R	TRPB	E				3330.0
21022	WHITEADDER WATER AT HUTTON CASTLE	NT882550	R	TRPB	E				503.0
21023	LEET WATER AT COLDSTREAM	NT859396	R	TRPB	Z				
21031	TILL AT ETAL	NT927396	R	NRA	A2	7 12 1955	25 9 1969	1956 1969	648.0
21032	GLEN AT KIRKNEWTON	NT910305	R	NRA	C	1 9 1961	2 10 1969	1966 1969	199.0
21801	MENZION AT MENZION FARM	NT092734	R	SFSWB	E	26 12 1953	5 10 1970		141.0
21802	JED AT JEDBURGH	NT457219	R	TRPB	E				34.0
21803	TWEED AT GLENBRECK	NT064216	R	SFSWB	C	4 2 1964	20 9 1970		56.7
21804	MEGGET AT HENDERLAND	NT231232	R	SFSWB	E				277.0
21805	WHITEADDER AT BLANERNE	NT836564	L	TRPB	E				3.80
21807	BADDINGS GILL BURN AT INTAKE	NT119557	R	SFSWB	E	23 12 1967	1 1 1970		
21808	YARROW AT CRAIG OF DOUGLAS	NT288244	R	SESUB	E				570.0
22001	COQUET AT MORWICK	NT234044	R	NRA	A1	2 11 1956	3 10 1969	1966 1969	
22002	COQUET AT BYGATE	NT870083	R	NRA	C	5 11 1947	1 10 1969	1957 1969	59.6

STATION	RIVER AND STATION NAME	GRID	REF	TP	SOURCE	GR	START	MICROFILM	DAILY FLOW	AREA
							START	END	START	END
22003	USWAY BURN AT SHILLMOOR	NT886077	R	RRA	A1	14 11 1950	1 10 1969	1957 1969	21.4	
22004	ALN AT HAYK HILL	NU213128	R	RRA	B	13 4 1960	3 10 1969	1966 1969	208.0	
22005	WANSBECK AT HIGHFORD	NZ175858	R	RRA	B	5 2 1963	23 10 1968		287.0	
22006	BLYTH AT HARTFORD	NZ245709	R	RRA	A1	9 11 1960	7 10 1969	1966 1969	270.0	
22007	WANSBECK AT MITFORD FLUME	NZ181857	R	RRA	A1	1 11 1966	2 10 1969		287.0	
22008	ALWIN AT CLENNELL	NT925062	R	RRA	E	17 11 1953	1 10 1969		27.7	
22009	COQUET AT ROTHBURY	NU067016	R	RRA						
23001	TYNE AT BYNELL	NZ038617	R	RRA	A1	19 6 1956	6 10 1969	1936 1969	2180.0	
23002	DERWENT AT EDDYS BRIDGE	NZ041502	R	SSSWC	A1	12 12 1934	26 12 1963	1959 1969	118.0	
23003	NORTH TYNE AT REAVERHILL	NV906732	R	RRA	A1	23 3 1959	7 10 1969	1959 1969	1010.0	
23004	SOUTH TYNE AT HAYDON BRIDGE	NV856647	R	RRA	A1	17 7 1959	6 10 1969	1962 1969	751.0	
23005	NORTH TYNE AT TARSET	NV776861	R	RRA	A1	1 9 1960	7 10 1969	1963 1969	283.0	
23006	SOUTH TYNE AT FEATHERSTONE	NV672611	R	RRA	A2	16 9 1966	6 10 1969	1966 1969	322.0	
23007	DERWENT AT ROWLANDS GILL	NZ168581	R	RRA	C	31 10 1962	1 10 1969	1962 1969	242.0	
23008	REDE AT KEDE BRIDGE	NV868832	R	RRA					344.0	
23901	TYNE AT WYLLAM	NZ103647	R							
23902	NORTH TYNE AT BARRASFORD	NV024721	R	NGWC	B	3 10 1947	27 2 1971	1942 1959	1040.0	
23903	REDE AT CATLEUGH RESERVOIR	NT750030	R						39.9	
24001	WEAR AT SUNDERLAND BRIDGE	NZ264376	R	RRA	B	23 3 1955	1 10 1969	1957 1969	638.0	
24002	GAUNLESS AT BISHOP AUCKLAND	NZ215306	R	RRA	A1	26 9 1958	1 10 1969	1958 1969	93.0	
24003	WEAR AT STANHOPE	NV984301	R	RRA	A1	4 12 1958	1 10 1969	1958 1969	172.0	
24004	BEDBURN BECK AT BEDBURN	NZ118322	R	RRA	A1	28 8 1959	1 10 1969	1959 1969	74.9	
24005	BROWNEY AT BURN HALL	NZ250387	R	RRA	A1	20 10 1954	1 10 1969	1956 1969	178.0	
24006	ROOKHOPE BURN AT EASTGATE	NV953391	R	RRA	A1	30 9 1960	1 10 1969	1960 1969	36.5	
24007	BROWNEY AT LANCHESTER	NZ165462	R	RRA	A2	7 12 1967	1 10 1969	1968 1969	44.6	
24801	BURNHOPE BURN AT BURNHOPE RESERVOIR	NV855395	R	DCWB	D	20 10 1935	31 12 1970		21.0	
24802	LUMLEY BURN AT NEW LAMRTON	NZ317508	R	RRA	C	15 3 1954	5 3 1957		44.8	
25001	TEES AT BROKEN SCAR	NZ259137	R	RRA	A1	11 10 1956	30 9 1969	1965 1969	818.0	
25002	TEES AT DENT BANK	NV932260	R	RRA	A1	19 9 1957	30 9 1969	1959 1969	217.0	
25003	TROUT BECK AT MOOR HOUSE	NV759336	R	RRA	A1	23 11 1953	1 10 1969	1957 1969	11.4	
25004	SKERNE AT SOUTH PARK	NZ284129	R	RRA	B	10 12 1954	1 10 1969	1956 1957	219.0	
25005	LEVEN AT LEVEN BRIDGE	NZ445122	R	RRA	A2	1 6 1959	30 9 1969	1959 1968	196.0	
25006	GREYA AT RUTHERFORD BRIDGE	NZ034122	R	RRA	B	22 8 1960	30 9 1969	1960 1970	86.2	
25007	CLOW BECK AT CROFT	NZ282101	R	RRA	D	28 6 1961	30 9 1969	1961 1969	78.2	
25008	TEES AT BARNARD CASTLE	NZ047166	R	RRA	A1	2 12 1963	30 9 1969	1966 1969	509.0	
25010	BAYDALE BECK AT MOUDEN BRIDGE	NZ269156	R	RRA	D	25 9 1957	1 10 1969	1967 1969	31.1	
25805	LUNE AT SELSET RESERVOIR	NV023212	R	TVCW	Z	2 1 1961	30 12 1970		69.3	
25808	BURNT WEIR AT MOOR HOUSE	NV752332	R	NC	C	23 11 1953	17 5 1962		0.0682	
25800	BOG WEIR AT MOOR HOUSE	NV773327	R	NC	A1	3 12 1953	24 5 1962		0.0346	
25810	SYKE WEIR AT MOOR HOUSE	NV772333	R	NC	A1	15 8 1956	24 5 1962		0.0381	
25811	LONG WEIR AT MOOR HOUSE	NV772317	R	NC	E	30 10 1956	24 5 1962		0.0883	
26001	WEST BECK AT WANSFORD BRIDGE	TA064560	R	YRA	B	28 2 1953	3 10 1969	1953 1969	192.0	
26002	MULL AT HEMPHOLME LOCK	TA080498	R	HCW	D	24 8 1959	6 10 1969	1961 1969	378.0	
26003	FOSTON BECK AT FOSTON MILL	TA093548	R	YRA	A2	1 6 1959	3 10 1969	1959 1969	57.2	
26801	CATCHWATER AT WITHERNICK	TA171403	R	YRA	C	17 2 1965	31 21 1969		6.10	
27001	NIDD AT HUNTINGORE WEIR	SE428530	R	YRA	A2	7 5 1934	1 10 1969	1935 1969	484.0	
27002	WHARFE AT FLINT MILL WEIR	SE422473	R	YRA	A1	9 6 1936	6 10 1969	1937 1969	759.0	
27003	AIRE AT BEAL WEIR	SE534255	R	YRA	Z	23 10 1930	6 10 1969	1958 1969	1930.0	
27004	CALDER AT KIRKTHORPE WEIR	SE358212	R	YRA	Z	31 12 1926	3 10 1969	1960 1968	899.0	
27005	NIDD AT GOJTHWAITE RESERVOIR	SE141683	R	Z				1936 1969		

STATION	RIVER AND STATION NAME	GRID REF	TP	SOURCE	GR	MICROFILM		DAILY FLOW		AREA
						START	END	START	END	
27006	DON AT MADFIELDS WEIR	SK369010	R	VRA	A2	21 11 1956	3 10 1969	1965	1969	373.0
27007	URE AT WESTWICK LOCK	SE356667	R	VRA	A1	4 10 1955	1 10 1969	1959	1969	914.0
27008	SWALE AT LECKBY GRANGE	SE415748	R	VRA	A1	20 10 1955	1 10 1969	1953	1969	1350.0
27009	OUSE AT SKELTON RAILWAY BRIDGE	SE508554	R	VRA	F	26 9 1956	25 9 1969			3320.0
27010	HODGE BECK AT BRANSDALE WEIR	SE627044	R	VRA	A2	9 4 1936	29 12 1968	1954	1969	18.9
27011	WASHBURN AT LINDLEY WOOD RESERVOIR	SE220487	R	VRA	Z			1933	1969	87.3
27012	HEDDEN WATER AT HIGH GREENWOOD	SD073309	R	CJR	A2	23 3 1953	5 1 1970	1954	1969	36.4
27013	EMDEN BECK AT MORE HALL RESERVOIR	SK289057	R	VRA	Z	1 10 1954	30 9 1969			36.4
27014	RYE AT LITTLE HARTON	SE743771	R	VRA	A2	21 2 1958	3 10 1969	1959	1969	679.0
27015	DERWENT AT STAMFORD BRIDGE	SE714557	R	VRA	A2	9 4 1932	4 10 1969	1961	1969	1630.0
27016	LITTLE DON AT UNDERRANK RESERVOIR	SK253092	R	VRA	Z			1956	1969	38.6
27017	LOXLEY AT DAMFLASK RESERVOIR	SK286006	R	VRA	Z			1956	1969	43.5
27018	RYBURN AT RYBURN RESERVOIR	SE025187	L	WDWB	B	1 1 1935	31 1 1971	1956	1969	
27019	BOOTH DEAN CLOUGH AT BOOTH WOOD MILL RES	SE033166	R	VRA	B	11 2 1946	26 12 1969	1956	1969	15.9
27020	SCOUT DIKE AT SCOUT DIKE RESERVOIR	SE236047	R	VRA	Z			1956	1970	
27021	DON AT DONCASTER	SE569040	R	VRA	R	4 10 1941	6 10 1969	1960	1969	1260.0
27022	DON AT RUTHERHAM	SK427028	R	VRA	A2	6 1 1947	14 12 1970	1960	1969	826.0
27023	DEARNE AT BARNSLEY	SE350073	R	VRA	A2	21 9 1960	1 10 1969	1960	1969	119.0
27024	SWALE AT RICHMOND	N7146006	R	VRA	A1	24 5 1960	6 10 1969	1961	1969	381.0
27025	ROTHER AT YOODHOUSE HILL	SK432857	R	VRA	B	20 5 1961	3 10 1969	1961	1969	352.0
27026	ROTHER AT WHITTINGTON	SK394744	R	VRA	A1	28 7 1960	3 10 1969	1963	1969	163.0
27027	WHARFF AT ILKLEY	SE112481	R	VRA	A1	6 4 1960	3 10 1969	1961	1969	443.0
27028	AIRE AT ARMLEY	SE281340	R	VRA	A1	12 12 1960	4 10 1969	1961	1968	692.0
27029	CALDER AT ELLAND	SE124719	R	VRA	A2	13 8 1953	4 10 1969	1961	1969	342.0
27030	DEARNE AT ADWICK	SE477020	R	VRA	A2	29 10 1956	3 10 1969	1963	1969	311.0
27031	COLNE AT COLNEBRIDGE	SE174109	R	VRA	B	18 6 1963	6 10 1969	1964	1969	245.0
27032	HEBDEN BECK AT HEBDEN	SE025663	R	VRA	A1	20 8 1965	3 10 1969	1966	1969	23.3
27033	SEA CUT AT SCARBOROUGH	TA023908	R	VRA	A2	22 9 1965	6 10 1969			122.0
27034	URE AT KILGRAM BRIDGE	SE190860	R	VRA	A1	5 7 1967	1 10 1969	1967	1967	510.0
27035	AIRE AT KILDWICK BRIDGE	SE013457	R	VRA	Z	28 11 1966	14 11 1969	1968	1969	282.0
27036	DERWENT AT MALTON	SE789715	R	VRA	A2	20 1 1969	7 10 1969	1969	1969	1390.0
27037	WENT AT KIRK SMEATON	SE530164	R	VRA	A1					80.0
27039	HOLME AT DIGLEY RESERVOIR	SE112069	R	VRA	Z			1967	1969	9.80
27801	URE AT SWAIZEHOLME FLUME	SD32882	R	VRA	D	11 5 1966	1 10 1969			10.2
27802	ESK AT SLEIGHTS WEIR	N7865082	L	VRA	B	1 7 1952	30 9 1969			308.0
27803	PICKERING BECK AT PICKERING	SE292825	R	VRA	E	18 11 1964	3 10 1969			69.9
27804	DEARNE AT DEARNEMOUTH RESERVOIR	SE505005	R	VRA	Z					
27805	ROTHER AT RENISHAW	SK442785	R	VRA	E	25 4 1961	31 12 1969			
27806	ROTHER AT ICKLE WEIR	SK426010	R	VRA	E	2 3 1957	19 12 1969			
27807	ROTHER AT CANKLOW REGULATOR	SK432897	R	VRA	E					
27808	DERWENT AT FORGE VALLEY	SE987859	R	SCW	A1	5 11 1964	10 5 1971			125.0
27809	DERWENT AT WEST AYTON	SE989849	R	SCW	A1	5 11 1964	10 5 1971			899.0
27810	CALDER AT NEWLANDS	SE365220	R	VRA	A2	25 4 1957	26 9 1969			1900.0
27811	AIRE AT BROTHERTON	SE495243	R	VRA	E	31 5 1964	5 10 1969			
27813	CALDER AT BIRKWOOD	SE355232	R	VRA	Z	15 4 1957	3 10 1969			
27814	DEARNE AT DARFIELD	SE308331	L	BUR	E	23 2 1961	21 12 1965			811.0
27815	AIRE AT LEEDS	SE322313	L	BUR	Z	1 10 1863	31 12 1949			
27816	AIRE AT KNOSTROP	SE322313	L	BUR	Z	1 1 1865	30 4 1953			
27817	AIRE AT THJAITE LOCK	SE322312	L	BUR	Z	1 10 1863	9 8 1970			
27818	AIRE AT CALDER JUNCTION CASTLEFORD	SE425263	L	BUR	Z	1 10 1863	31 8 1970			1860.0

STATION	RIVER AND STATION NAME	GRID REF	TP	SOURCE	GR	MICROFILM START	MICROFILM END	DAILY FLOW START	DAILY FLOW END	AREA
27819	AIRE AT FERRYBRIDGE	SE484245	L	BWB	Z	1 10 1865	23 12 1953			1900.0
27820	AIRE AT HADDLESEY		L	BWB	Z	1 1 1929	31 12 1953			
27821	CALDER AT ANCHOR PIT FLOOD LOCK		L	BWA	Z	1 12 1958	31 12 1970			
27822	CALDER AT LEDGARD BRIDGE		L	BWA	Z	1 12 1958	31 7 1971			
27823	CALDER AT LONG CUT END FLOOD LOCK		L	BWA	Z	1 12 1958	30 4 1971			
27824	CALDER AT THORNES FLOOD LOCK		L	BWA	Z	1 5 1963	31 5 1971			
27825	CALDER AT WAKEFIELD LOCK		L	BWA	Z	1 4 1865	30 6 1965			
27826	CALDER AT BROADREACH		L	BWA	Z	1 10 1863	31 8 1953			
27827	OUSE AT SELBY LOCK		L	BWA	Z	1 5 1909	11 10 1959			
27828	DON AT DON AQUEDUCT		L	BWA	Z	1 1 1928	31 5 1951			
27831	TURVIN CLOUGH AT WASHFOLD BRIDGE	SD994213	R	WUB	E	1 1 1959	8 10 1969			
27832	TURVIN CLOUGH AT VICTORIA MILLS	SF002224	R	WUR	E	7 1 1959	31 12 1969			
27833	COLNE AT HUDDERSFIELD SELLERS		R	VRA	Z	20 6 1965	19 12 1969			
27834	MERRYDALE CLOUGH AT SLAITHJAITE		R	VRA	Z	2 8 1965	16 8 1968			
27835	CALDER AT MIDLAND BRIDGE DENSBURY	SE243215	R	VRA	B	21 4 1964	29 12 1969			697.0
27836	CALDER AT BREARLEY WEIR		R	VRA	Z	7 4 1966	23 12 1969			
27837	CALDER AT COOPER BRIDGE		R	VRA	Z	27 7 1962	5 3 1964			
27838	HOLME AT MYTHOLME BRIDGE		R	VRA	Z	4 6 1965	19 12 1969			
27839	CALDER AT ALTOFTS		R	VRA	Z	14 7 1961	1 1 1970			
27840	HALL DYKE AT HONLEY WOOD BOTTOM		R	VRA	Z	28 6 1965	19 12 1969			
27841	CALDER AT METHLEY		R	VRA	Z	9 7 1961	20 12 1965			
27842	CALDER AT STANLEY		R	VRA	Z	14 7 1961	20 12 1965			
27843	CALDER AT HEATON LODGE SEWAGE WORKS		R	VRA	Z	3 2 1964	29 12 1969			
27844	CALDER AT BROOKFOOT		R	VRA	Z	17 3 1964	30 12 1969			
27845	CALDER AT CALDENE BRIDGE		R	VRA	Z	15 4 1966	19 12 1969			
27846	AIRE AT ASH BRIDGE	SE472266	R	VRA	A1	21 11 1962	24 12 1969			1880.0
27847	AIRE AT KNOWSTHORPE		R	VRA	Z	19 11 1962	24 12 1969			
27848	AIRE AT IRON BRIDGE		R	VRA	Z	7 12 1962	24 12 1969			
27849	AIRE AT FLEET MILLS		R	VRA	Z	5 11 1962	24 12 1969			
27850	AIRE AT COTTINGLEY		R	VRA	Z	23 10 1962	1 1 1970			
27851	AIRE AT LEEDS LOCK		R	VRA	Z	2 11 1962	24 12 1969			
27852	LITTLE DON AT LANGSETT RESERVOIR	SE215005	L	CSWD	C					21.1
27901	DON AT SPROTBOROUGH WEIR	SE538014	R	VRA	E	5 4 1935	13 12 1946			485.0
27902	OUSE AT NABURN WEIR	SE594445	R	VRA	Z					
27903	LAVERTON	SE214732	R	VRA	Z					
28001	DERWENT AT YORKSHIRE BRIDGE	SK198851	R	DWUB	E	22 5 1905	29 12 1969	1936	1969	127.0
28002	BLITHE AT HAMSTALL RIDJARE	SK109191	R	SSW	B	4 10 1937	25 9 1969	1937	1968	162.0
28003	TAME AT WATER OPTON	SP160914	R	TRA	C	6 9 1955	1 10 1969	1965	1969	407.0
28004	TAME AT LEA MARSTON	SP206935	R	TRA	C	28 9 1956	11 10 1969	1957	1969	795.0
28005	TAME AT ELFORD	SK173103	R	TRA	C	7 12 1955	1 10 1969	1958	1969	1480.0
28006	TRENT AT GREAT HAYWOOD	SJ094231	R	TRA	B	5 12 1955	25 9 1969	1957	1964	324.0
28007	TRENT AT SHARDLOW	SK448299	R	TRA	D	28 9 1955	1 10 1969	1957	1964	4400.0
28008	DOVE AT ROCKSTER WEIR	SK112397	R	TRA	D	16 4 1953	25 9 1969	1953	1969	399.0
28009	TRENT AT COLWICK	SK620399	R	TRA	A1	15 9 1958	26 9 1969	1958	1969	7490.0
28010	DERWENT AT LONGBRIDGE	SK357364	R	TRA	B	12 6 1935	1 10 1969	1935	1969	1120.0
28011	DERWENT AT MATLOCK	SK297586	R	TRA	A1	10 1 1958	24 9 1969	1958	1969	689.0
28012	TRENT AT YOXALL	SK131177	R	TRA	B	3 8 1959	26 9 1969	1959	1969	1230.0
28013	SOAR AT ZOUCHE KEGWORTH	SK498235	R	TRA	E	27 7 1961	1 10 1969			1290.0
28014	SOAR AT MILFORD	SJ975215	R	TRA	B	2 11 1959	25 9 1969	1960	1964	591.0
28015	IDLE AT MATTERSEY	SK690895	R	TRA	A2	26 4 1961	25 9 1969			528.0

STATION	RIVER AND STATION NAME	GRID REF	TP	SOURCE	GR	MICROFILM		DAILY FLOW		AREA		
						START	END	START	END			
28016	RYTON AT SERLBY	SK641896	R	TRA	A2	19	12	1961	25	9	1969	231.0
28017	DEVON AT COTHAM	SK787476	R	TRA	A2	30	9	1966	2	10	1969	284.0
28018	DOVE AT MARSTON ON DOVE	SK235288	R	TRA	D	28	7	1961	26	9	1969	863.0
28019	TRENT AT DRAKELOW PARK	SK239204	R	TRA	A2	23	6	1959	26	9	1969	3070.0
28020	CHURNET AT ROCESTER	SK103389	R	TRA	Z	25	9	1954	25	9	1969	238.0
28021	DERWENT AT DRAYCOTT	SK443327	R	TRA	D	26	4	1965	1	10	1969	1170.0
28022	TRENT AT NORTH MUSKHAM	SK801601	R	TRA	B	15	3	1968	26	9	1969	8290.0
28023	WYE AT ASHFORD	SK183697	R	TRA	A1	6	10	1965	1	10	1969	134.0
28024	WREAKE AT SYSTON MILL	SK615124	R	TRA	E	28	6	1967	1	10	1969	414.0
28025	SENCE AT RATCLIFFE CULFY	SP321096	R	TRA	Z	12	10	1964	1	10	1969	170.0
28026	ANKER AT POLESHORTH	SK263034	R	TPA	A2	5	7	1967	1	10	1969	351.0
28027	ERELASH AT STAPLEFORD	SK482364	R	TRA		29	9	1965	1	10	1969	181.0
28028	SOAR AT WANLIP	SK603109	R	TRA	E							
28029	KINGSTON BROOK AT KINGSTON HALL	SK503277	R	TRA	E	3	5	1966	1	4	1969	
28030	BLACK BROOK AT BLACKBROOK RESERVOIR	SK666172	R	TRA		26	9	1968	27	11	1969	148.0
28031	MANIFOLD AT ILAM	SK140507	R	TRA		11	4	1968	18	9	1969	63.1
28032	MEDEN AT CHURCH WARSOP	SK558680	R	TRA	C	14	5	1958	25	9	1969	8.05
28033	DOVE AT HOLLINSLOUGH	SK063648	R	TRA	A1	22	7	1965	9	9	1969	161.0
28034	MAUN AT HAUGHTON	SK680728	R	TRA	B	13	5	1958	25	9	1969	111.0
28035	LEEN AT TRIUMPH RD NOTTINGHAM	SK549303	R	TRA	Z	19	11	1956	29	9	1969	
28037	DERWENT AT MYTHAM BRIDGE	SK205825	R	TRA		21	1	1968	1	10	1969	194.0
28038	MANIFOLD AT HULME END	SK106595	R	TRA		23	12	1968	1	10	1969	44.0
28039	REA AT CALTHORPE PARK	SD071847	R	TRA	B	12	4	1967	28	10	1969	80.3
28040	TRENT AT STOKE	SJ892467	R	TRA	A1	29	3	1968	26	9	1969	39.6
28041	HAMPS AT WATERHOUSES	SK082502	R	TRA		29	3	1968	25	9	1969	39.6
28042	CHURNET AT CHEDDLETON	SJ979520	R	TRA		30	12	1958	1	10	1969	
28043	DERWENT AT CHATSWORTH	SK261683	R	TRA		13	2	1969	1	10	1969	218.0
28045	MEDFN AT BOTHAMSTALL	SK680732	R	TRA	B	13	5	1958	25	9	1969	106.0
28801	BURBAGE BROOK AT BURBAGE	SK259804	R	TRA	A2	14	11	1925	1	10	1969	9.1
28802	MAUN AT MANSFIELD	SK548621	R	TRA	B	14	5	1958	25	9	1969	37.8
28803	RAMSLEY BROOK AT KINGS NEWTON	SK393264	R	TRA	Z	19	1	1961	29	5	1969	66.8
28804	TRENT AT TRENT BRIDGE	SK582384	R	TRA	B	16	5	1904	6	10	1969	7490.0
28805	LATHKILL AT ROMSLEY	SK223648	R	TRA	E	13	11	1964	1	4	1969	
28806	HILLCARR SOUGH AT ROMSLEY	SK260637	R	TRA	E	18	7	1964	24	9	1969	
28807	TAME ANKER AT TAMWORTH	SK205038	R	TRA	Z	3	6	1955	24	9	1969	
28808	TAME AT WILLENHALL	SO979084	R	TRA	E	17	7	1962	29	9	1969	
28809	BOTTESFORD RECK AT YADDLETHORPE	SE876060	R	TRA	Z	27	5	1956	4	11	1961	
29001	WATHE RECK AT BRIGSLEY	TA253016	R	LINRA	A2	19	8	1960	7	10	1970	108.0
29002	GREAT EAU AT CLAYTHORPE MILL	TE416793	R	LINRA	A2	9	1	1962	6	10	1970	77.4
29003	LUD AT LOUTH	TE336876	R	LINRA	A1	10	5	1966	8	10	1970	53.1
29004	ANCHOLME AT BISHOPSBRIDGE	TE032011	R	LINRA	A1	13	3	1968	8	10	1970	52.4
29005	RASE AT BISHOPSBRIDGE	TE032012	R	LINRA	A2	14	6	1967	1	10	1970	66.5
30001	WITHAM AT CLAYPOLE MILL	SK842480	R	LINRA	A2	27	1	1959	1	10	1970	298.0
30002	BARLINGS EAU AT LANGUORTH BRIDGE	TE066766	R	LINRA	B	21	9	1960	7	10	1970	210.0
30003	BAIN AT FULSBY LOCK	TE241611	R	LINRA	A1	7	9	1962	6	10	1970	197.0
30004	PARTNEY LYMN AT PARTNEY MILL	TE402676	R	LINRA	A1	4	5	1962	27	2	1969	61.6
30005	WITHAM AT SALTERSFORD	SK027335	R	LINRA	A1	15	3	1968	1	10	1970	126.0
30007	WITHAM AT BLACK SLUICE	TE326429	L	LINRA	E							
30010	WITHAM AT GRAND SLUICE	TE323445	L	LINRA	E	26	10	1865	8	11	1971	
30011	BAIN AT GOULCEBY BRIDGE	TE246794	R	LINRA	B	17	6	1966	17	12	1969	62.5

STATION	RIVER AND STATION NAME	GRID REF	TP	SOURCE	GR	START	MICROFILM END	DAILY FLOW START	END	AREA
30801	CRINGLE BROOK AT STOKES INTAKE	SK925297			Z	29	1 1951	7 10 1970		
30802	WITHAM AT BARDNEY	TF106697	R	LINRA	A2	31	3 1940	2 10 1969	1937	1969
30803	MININGSBY BECK AT REVESBY RESERVOIR	TF312633	L	LINRA	A2	18	10 1958	30 9 1969	1960	1969
31001	EYE BROOK AT EYE BROOK RESERVOIR	SP853941	R	CU	A2	4	1 1960	30 9 1969		
31002	GLEN AT KATES BRIDGE	TF106149	R	WRA	A2	6	7 1966	6 10 1969		
31003	GLEN AT KING ST BRIDGE	TF109106	R	WRA	E	24	4 1962	30 9 1969	1967	1970
31004	WELLAND AT TALLINGTON WEIR	TF096077	R	WRA	A2	31	3 1967	30 9 1969	1968	1970
31005	WELLAND AT TIXOVER	SP971998	R	WRA	A1	1	10 1967	6 10 1969		
31006	GWASH AT BELMESTHORPE	SP948099	R	WRA	Z	28	3 1968	30 9 1969		
31007	WELLAND AT BARROWDEN	TF038097	R	WRA	E	8	4 1968	7 10 1969		
31008	EAST GLEN AT MANTHORPE BRIDGE	TF013113	R	WRA	E	3	1 1968	6 10 1969	1968	1969
31009	WEST GLEN AT SHILLINGTHORPE	SK961031	R	WRA	A1	25	10 1939	7 10 1969	1959	1969
31010	CHATER AT FOSTERS BRIDGE	TF438329	L	SHDB		19	11 1942	6 10 1969	1964	1969
31801	FLEET HAVEN PUMPING STATION	TF462309	L	SHDB		25	10 1939	7 10 1969	1945	1970
31802	DAUSMERE PUMPING STATION	TL166972	R	WRA	Z	3	10 1938	30 9 1969	1938	1965
32001	NENE AT ORTON	TL067033	R	WRA	A2	7	12 1938	6 10 1969	1938	1969
32002	WILLOW BROOK AT FOTHERINGHAY	SP983799	R	WRA	C	2	12 1943	30 9 1969	1945	1969
32003	HARPERS BROOK AT OLD MILL BRIDGE	SP898715	R	WRA	D	19	11 1942	6 10 1969		
32004	ISE BROOK AT HARROVDEN OLD MILL	SP756598	R	WRA	Z	6	11 1939	1 10 1969	1939	1968
32005	NENE AT NORTHAMPTON	SP721592	R	WRA	C	20	3 1939	14 10 1969	1939	1939
32006	KISLINGBURY BRANCH AT UPTON	SP747617	R	WRA	C	7	12 1944	6 10 1969	1944	1969
32007	BRAMPTON BRANCH AT ST ANDREWS HILL	SP627607	R	WRA	D	16	9 1938	2 10 1969		
32008	WILTON BRANCH AT DODD FORD	SP981947	R	CU	B	25	5 1939	7 10 1969		
32009	WILLOW BROOK AT BLATHERNYKE LAKE	TL081096	R	WRA	A1	5	7 1968	6 10 1969		
32010	NENE AT WANSFORD	SP737571	R	WRA	E	17	8 1964	5 5 1970		
32012	WOOTON BROOK AT LADYBRIDGE	SP660610	R	RRL	A1	22	10 1963	11 1 1971		
32801	FLORE EXPERIMENTAL CATCHMENT	SP593687	R	BWB		23	6 1944	7 10 1969		
32802	WATFORD FEEDER AND BYPASS AT WATFORD	SP885642	R	WRA	E	31	12 1955	16 10 1970		
32901	NENE AT WOLLASTON	SP833651	R	RHFWB	E	1	10 1954	31 8 1971	1936	1961
32903	SYWELL BROOK AT SYWELL RESERVOIR	TL369727	L	GORA	E	17	7 1959	30 9 1969	1933	1969
33001	GREAT OUSE AT BROWNSHILL STAUNCH	TL055495	R	GORA	B	11	6 1956	7 10 1969	1935	1969
33002	GREAT OUSE AT BEDFORD	TL508657	R	GORA	E	10	10 1954	31 10 1964	1936	1957
33003	CAM AT BOTTISHAM	TL648760	L	GORA	E	6	7 1950	2 10 1969	1952	1966
33004	LARK AT ISLEHAM	SP736353	R	GORA	C	13	2 1956	3 10 1969	1956	1969
33005	GREAT OUSE AT THORNBOROUGH	TL771965	R	GORA	A2	1	10 1965	16 10 1970	1953	1965
33006	WISSEY AT NORTHWOLD	TF723119	R	GORA	A2	3	7 1958	29 12 1967	1958	1967
33007	NAR AT MARHAM	TL860832	R	GORA	A2	29	8 1951	1 10 1969	1955	1964
33008	LITTLE OUSE AT THETFORD NO.1	SP951565	R	GORA	A2	21	10 1960	7 10 1969	1960	1969
33009	GREAT OUSE AT HARROLD HILL	TL892801	R	GORA	A2	14	9 1960	7 10 1969	1960	1969
33011	LITTLE OUSE AT EUSTON COUNTY BRIDGE	TL155631	R	GORA	B	11	4 1960	7 10 1969	1960	1969
33012	KYM AT MEAGRE FARM	TL896791	R	GORA	A2	21	10 1960	7 10 1969	1960	1969
33013	SAPISTON AT RECTORY BRIDGE EUSTON	TL758730	R	GORA	A2	22	11 1961	1 10 1969	1962	1969
33014	LARK AT TEMPLE WEIR	SP883409	R	GORA	A1	28	6 1960	7 10 1969	1960	1964
33015	OUZEL AT WILLEN WEIR	TL450593	R	GORA	C	5	2 1949	7 10 1969		
33016	CAM AT JESUS LOCK	TL314705	R	GORA	B	25	1 1962	2 10 1969	1962	1969
33017	OUSE AT ST. IVES STAUNCH	SP714488	R	GORA	B	21	10 1960	6 10 1969	1962	1969
33018	TOVE AT CAPPENHAM	TL880830	R	GORA	A2	7	3 1963	7 10 1969	1963	1969
33019	THEY AT MELFORD BRIDGE	TL208718	R	GORA	C	3	10 1962	7 10 1969	1962	1969
33020	ALCOBURY BRANCH AT BRAMPTON	TL413522	R	GORA	C					
33021	RHEE AT BURNT MILL WEIR									

STATION	RIVER AND STATION NAME	GRID REF	TP	SOURCE	GR	MICROFILM			DAILY FLOW		AREA
						START	END	START	END		
33022	IVEL AT BLINHAM	TL15509	R	GORA	A1	15 12 1964	30 9 1969	1965 1969		541.0	
33023	LEA BROOK AT BECK BRIDGE	TL66273	R	GORA	A1	5 11 1962	7 10 1969	1962 1969		102.0	
33024	CAM AT DERFORD	TL46650	R	GORA	A2	19 8 1963	7 10 1969	1963 1969		198.0	
33025	DABINGLEY AT WEST HEYTON MILL UFIR	TF69675	R	GORA	E	8 11 1963	6 10 1969	1963 1965		39.6	
33027	RHEE AT WINDOLE WEIR	TL33345	R	GORA	B	23 6 1965	6 10 1969	1965 1969		119.0	
33028	FLIT AT SHEFFORD	TL14339	R	GORA	B	21 9 1966	3 10 1969	1966 1969		120.0	
33029	STRINGSIDE AT WHITE BRIDGE	TF71600	R	GORA	A2	21 7 1965	3 10 1969	1965 1969		93.5	
33030	CLIPSTONE BROOK AT CLIPSTONE WEIR	SP93325	R	GORA	A1	2 9 1966	3 10 1969	1966 1969		40.1	
33032	HEACHAM AT HEACHAM MILL	TF68774	R	GORA	A1	25 10 1965	6 10 1969	1965 1969		699.0	
33034	LITTLE OUSE AT ABBEY HEATH	TLA5144	R	GORA	E	20 3 1968	30 9 1969				
33035	ELY OUSE AT DENVER SLUICE	TF50010	R	GORA		1 2 1922	31 12 1968			3370.0	
33037	OUSE AT FURPORT PASWELL	SP87842	L	GORA	E	2 7 1964	15 8 1968			800.0	
33040	RHEE AT ASHWELL	TL26540	L	GORA	Z						
33044	THEY AT BRIDGHAM	TL95785	R	GORA	A1	1 6 1967	7 10 1969			278.0	
33045	WITTLE AT QUIDENHAM	TM02787	R	GORA	A1	9 5 1967	7 10 1969			38.3	
33046	THEY AT REDBRIDGE	TL99692	R	GORA	A1	14 2 1967	7 10 1969			143.0	
33801	CAM AT STAPLEFORD	TL47151	L	GORA						66.5	
33802	LARK AT HENGRAVE	TL83169	L	GORA							
33804	STANFORD WATER AT BUCKENHAM TOPPS	TL85809	R	GORA	A2	25 4 1967	7 10 1969			66.5	
33805	BEECHAMWELL BROOK AT BECHAMWELL	TF73803	R	GORA	A2	14 2 1964	3 10 1969			36.4	
33806	RHEE AT ASHWELL SPRINGS	TL26540	R	GORA	Z	4 11 1965	7 10 1969			1.00	
33807	CAM AT CHESTERFORD MILL	TL50642	R	GORA	Z	1 7 1964	7 10 1969			141.0	
33808	SWAFFHAM BULBECK LADE AT SHEEPWASH WEIR	TL55362	R	GORA		3 2 1967	6 10 1969			32.1	
33809	BURY BROOK AT BURY WEIR	TL28687	R	GORA	A2	30 10 1963	7 10 1969			65.3	
33813	MEL AT MELDRETH	TL37866	R	GORA	C	4 11 1964	7 10 1969			8.60	
33815	CAM AT HAUXTON	TL43252	L	GORA	Z					328.0	
33816	RHEE AT HARSTON	TL41750	L	GORA	Z						
33817	LARK AT JUDES FERRY	TLA6082	R	GORA							
33901	LITTLE OUSE AT THETFORD BRIDGE	TLA6082	R	GORA						702.0	
33902	OUZEL AT ORCHARD MILL	SP88530	L	GORA	Z	3 7 1958	25 6 1968	1957 1958		205.0	
34001	YARE AT COLWEY	TG18208	R	ESNRA	B	1 1 1958	30 11 1970	1960 1969		232.0	
34002	TAS AT SHOTFSHAM	TM22694	R	ESNRA	B	15 10 1937	14 12 1970	1937 1968		147.0	
34003	BURE AT INGWORTH	TG19229	R	ESNRA	A2	8 6 1959	30 11 1970	1959 1969		165.0	
34004	WENSUM AT COSTESSEY MILL	TG17712	R	ESNRA	A1	27 1 1960	30 11 1970	1960 1969		536.0	
34005	TUD AT COSTESSEY PARK	TG17011	R	ESNRA	A2	7 6 1961	6 10 1969	1961 1969		73.3	
34006	WAVENEY AT NEEDHAM MILL	TM22981	R	ESNRA	B	30 9 1963	14 12 1970	1963 1969		373.0	
34007	DOVE AT OAKLEY PARK	TM17672	R	ESNRA	A1	21 6 1966	6 10 1969	1967 1969		136.0	
34008	ANT AT HONING LOCK	TG33127	R	ESNRA	A2	20 5 1966	25 11 1970			49.3	
34010	WAVENEY AT BILLINGFORD BRIDGE	TM16878	R	ESNRA	A1	3 4 1968	6 10 1969			169.0	
34011	WENSUM AT FAKENHAM	TF91929	R	ESNRA	A1	18 4 1966	6 10 1969	1966 1969		187.0	
34012	BURN AT ROYS MILL, GURNHAM OVERY	TF84242	R	ESNRA	A1	7 7 1966	6 10 1969	1966 1968		80.0	
34015	HUN AT HOLME BEACH ROAD	TF69943	R	ESNRA	E	21 9 1967	14 12 1970			7.70	
34801	WENSUM AT HEIGHAM		L	NCW	E					256.0	
34802	MUN AT HUNDESLY HOSPITAL	TG29736	R	ESNRA	Z	9 4 1968	9 12 1970			20.2	
34803	STIFFKEY AT WALSINGHAM ABBEY		R	ESNRA	Z	16 3 1966	16 12 1970				
35001	GIPPING AT CONSTANTINE WEIR	TM15444	R	ESNRA	C	25 7 1958	14 12 1970	1965 1966		311.0	
35002	DESEN AT NAUNTON HALL	TM32253	R	ESNRA	E	24 7 1964	6 10 1969	1964 1969		163.0	
35003	ALDE AT FARNHAM	TM36060	R	ESNRA	B	4 10 1961	30 11 1970	1961 1969		66.0	
35004	ORE AT REVERSHAM BRIDGE	TM35958	R	ESNRA	A2	1 3 1965	6 10 1969	1965 1969		36.9	
35008	GIPPING AT I.C.I. STOWMARKET	TM05857	R	ESNRA	A1	17 2 1964	6 10 1969	1966 1969		129.0	

STATION	RIVER AND STATION NAME	GRID REF	TP	SOURCE	GR	START	MICROFILM END	DAILY FLOW START	DAILY FLOW END	AREA
35009	BLYTH AT BLYFORD BRIDGE	TM425765	R	ESNRA	E	27	7 1965	1 12 1970		96.4
35010	GIPPING AT BRANFORD MILL	TM127465	R	ESNRA	A1					298.0
35011	BELSTEAD BROOK AT SELSTEAD	TM143420	R	ESNRA	A1	1	8 1968	30 11 1970		44.1
35801	BUCKLESHAM MILL RIVER AT NEWBOURNE	TM270420	R	IWIJ	A2	3	1 1948	2 1 1971		25.1
35802	NEWBOURNE STREAM AT NEWBOURNE	TM274432	R	IWIJ	Z	3	6 1948	2 1 1971		8.60
36001	STOUR AT STRATFORD ST. MARY	TM042330	R	EWC	C	4	10 1926	27 12 1969	1927 1969	864.0
36002	GLEM AT GLEMSFORD	TL846472	R	ERA	B	30	5 1960	30 9 1969	1960 1969	87.3
36003	BOX AT PULSTEAD	TL985378	R	ERA	A2	1	5 1961	1 10 1969	1961 1969	53.9
36004	CHAD BROOK AT LONG MELFORD	TL468459	R	ERA	A1	28	9 1965	30 9 1969	1968 1969	47.4
36005	BRETT AT HADLEIGH	TM025429	R	ERA	A2	30	4 1963	1 10 1969	1962 1969	156.0
36006	STOUR AT LANGHAM	TM020364	R	ERA	A1	18	1 1962	1 10 1969	1962 1969	378.0
36007	BELCHAMP BROOK AT BARDFIELD BRIDGE	TL848471	R	ERA	A2	18	11 1960	30 9 1969	1964 1969	58.5
36008	STOUR AT WEST MILL	TL827463	R	ERA	A2	24	12 1957	30 10 1969	1960 1969	284.0
36009	BRETT AT COCKFIELD	TL914525	R	ERA	E	23	2 1968	30 9 1969	1968 1969	25.6
36010	BUMPSTEAD BROOK AT BROAD GREEN	TL689418	R	ERA	A2	10	11 1967	29 9 1969	1968 1969	28.2
36011	STOUR BROOK AT STURMER	TL596441	R	ERA	A2	28	5 1968	29 9 1969	1968 1969	34.4
36012	STOUR AT KEDINGTON	TL708450	R	ERA	E	27	2 1968	29 9 1969	1968 1969	76.2
36013	BRETT AT HIGHAM	TM032354	R	ERA	E	10	4 1969	1 10 1969	1968 1969	75.3
36801	RAMSEY AT GREAT OAKLEY	TM202286	R	ERA	E	2	8 1960	30 9 1969		13.5
37001	RODING AT REDBRIDGE	TM041584	R	ERA	A1	22	11 1949	1 10 1969	1950 1969	303.0
37002	CHELMER AT RUSHES LOCK	TL794090	R	ERA	E	17	1 1963	29 9 1969	1967 1969	534.0
37003	TER AT CRABBS BRIDGE	TL786107	R	ERA	A2	15	11 1963	29 9 1969	1962 1969	77.7
37004	BLACKWATER AT LANGFORD	TL836092	R	EWC	E				1945 1969	337.0
37005	COLNE AT LEXDEN	TL962261	R	ERA	A2	15	1 1958	30 9 1969	1959 1969	238.0
37006	CAN AT REACH'S MILL	TL690072	R	ERA	B	25	10 1961	29 9 1969	1962 1969	228.0
37007	WID AT WRITTLE	TL686060	R	ERA	A1	27	1 1964	29 9 1969	1964 1969	136.0
37008	CHELMER AT SPRINGFIELD	TL713071	R	ERA	A1	17	11 1965	29 9 1969	1963 1969	190.0
37009	BRAIN AT GJITHAVON VALLEY	TL818147	R	ERA	A1	29	11 1961	29 9 1969	1962 1969	60.6
37010	BLACKWATER AT APPLEFORD BRIDGE	TL845158	R	ERA	A2	1	10 1962	29 9 1969	1962 1969	247.0
37011	CHELMER AT CHURCHEND	TL629233	R	ERA	A1	29	7 1963	29 9 1969	1963 1969	272.5
37012	COLNE AT POOL STREET	TL771364	R	ERA	A2	24	10 1963	29 9 1969	1963 1963	65.0
37013	SANDON BROOK AT SANDON BRIDGE	TL755055	R	ERA	A2	2	8 1963	29 9 1969	1963 1963	60.6
37014	RODING AT HIGH ONGAR	TL561060	R	ERA	A2	18	11 1963	1 10 1969	1963 1963	95.1
37015	CRIPSEY BROOK AT CHIPPING ONGAR	TL568035	R	ERA	E	31	8 1967	1 10 1969		62.2
37016	PANT AT COPFORD HALL	TL668313	R	ERA	B	6	1 1965	29 9 1969	1964 1965	62.4
37017	BLACKWATER AT SYSTED	TL793243	R	ERA						
37019	BEAM AT BRETONS FARM	TM515853	R	ERA	A1	1	7 1965	1 10 1969		50.5
37021	ROMAN AT BOUNSTEAD BRIDGE	TL985205	R	ERA	E	5	3 1965	29 9 1969		52.6
37801	SIXPENNY BROOK AT SHIPHOUSE BRIDGE	TM054214	R	ERA	E	25	5 1960	30 9 1969		5.40
37802	TENPENNY BROOK AT TENPENNY BRIDGE	TM079207	R	ERA	E	24	3 1960	30 9 1969		29.0
37803	BOURNE BROOK AT PERCES BRIDGE	TL822276	R	ERA	E	22	12 1964	23 9 1969		32.1
37804	SALARY BROOK AT HULL FARM	TM041279	R	ERA	C	2	2 1965	30 9 1969		6.70
37805	RODING AT AYTHORPE RODING	TL582152	R	ERA	E	1	6 1962	1 10 1969		38.3
37806	COLNE AT LANGLEY MILL	TL834298	R	ERA	E	8	7 1960	23 9 1969		112.0
37807	CROUCH AT WICKFORD	TQ748034	R	ERA	B	30	1 1962	29 9 1969		71.8
37809	EASTWOOD AT LAMBETH ROAD	TM842489	R	ERA	C	6	3 1964	29 9 1969		6.20
37810	BENTLEY AT SALTWATER BRIDGE	TM109193	R	ERA	E	14	6 1960	30 9 1969		12.1
37811	ST. OSYTH AT MAIN ROAD BRIDGE	TM134159	R	ERA	E	8	7 1960	30 9 1969		8.00
37812	HOLLAND AT CRADLE BRIDGE	TM171219	R	ERA	E	5	7 1962	30 9 1969		48.6
37813	WID AT MARGARETTING	TL672000	R	ERA	E	5	3 1951	30 9 1969		98.6

STATION	RIVER AND STATION NAME	GRID REF	TP	SOURCE	GR	START	MICROFILM END	DAILY FLOW START END	AREA
2901	TER AT HATFIELD PEVEREL	TL793103		SW	E			1945 1964	
3801	LEE AT FEILDES WEIR	TL390092	R	LC	B	28 3 1932	29 9 1969	1945 1969	1040.0
3802	ASH AT MARDOCK	TL393148	R	LC	B	7 9 1939	6 10 1969		78.7
3803	MIMRAM AT PANSHANGER	TL282132	R	LC	A1	28 11 1952	3 11 1969	1932 1969	134.0
3804	RIB AT WADES MILL	TL360174	R	LC	A2	30 4 1959	30 9 1969		137.0
3805	ASH AT FASMEYE	TL380138	R	LC	E	1 3 1960	3 11 1969	1960 1969	85.2
3806	RIB AT HERTS TRAINING SCHOOL	TL335158	R	LC	E	29 5 1952	30 9 1969	1956 1969	148.0
3807	CANONS BROOK AT ELIZABETH JAY HARLOW	TL431103	R	LC	A1	1 11 1950	6 10 1969	1968 1969	21.4
3808	LEE NEJ CUT AT CHALK BRIDGE	T0354012	R	LC	E	17 2 1967	6 10 1969		1240.0
38010	DAGENHAM BROOK AT LEYTON	T0374863	R	LC	E	31 5 1968	6 10 1969		10.0
38011	MIMRAM AT FULLING MILL	TL225169	R	LC	A2	22 7 1955	6 10 1969	1957 1965	98.7
38012	STEVENAGE BK AT BRAGHURY PARK FLUME	TL272212		SBC	E			1957 1960	
38013	UPPER LEE AT LUTON W/O	TL118185	R	LC	B	9 2 1960	30 9 1969		70.7
38014	SALMONS BROOK AT EDMONTON	T0343037	R	LC	Z	26 3 1936	6 10 1969		20.5
38015	INTERCEPTING DRAIN AT ENFIELD	T0354032	R	LC	E	23 12 1948	6 10 1969	1969 1969	8.00
3801	LEE AT ROXFORD	TL306106	R	LC	E	20 4 1936	6 10 1969		155.0
3802	BEANE AT MOLEWOOD/GOLDINGS	TL317135	R	LC	E	20 11 1952	30 9 1969		168.0
3803	BEANE AT HARTHAM	TL323130		LC					
3804	START AT BURNT MILL	TL445112	R	LC	E	29 5 1953	3 11 1969		229.0
3805	STANSTED BROOK AT STANSTED MOUNTFITCHET	TL505240	R	LC	E	10 11 1964	6 10 1969		
3806	LEE AT WATERHALL	TL293096	R	LC	E	28 11 1952	6 10 1969		41.0
3807	PYMES BROOK AT EDINGTON	T0340025	R	LC	B	7 4 1934	6 10 1969		9870.0
38001	THAMES AT TEDDINGTON	T0170713	L	TC	A2			1930 1969	3450.0
38002	THAMES AT DAYS WEIR	SU568935	L	TC	A1			1938 1969	176.0
38003	HANDLE AT CONNOLLYS MILL	T0266706	R	GLC	A1	3 12 1942	31 12 1969	1962 1969	122.0
38004	HANDLE AT BEDDINGTON	T0297455	R	GLC	A1	29 12 1938	31 12 1969	1936 1969	43.5
38005	BEVERLEY BROOK AT WIMBLEDON COMMON	T0214717	R	GLC	A1	8 8 1937	31 12 1969	1935 1969	365.0
38006	WINDRUSH AT NEWBRIDGE	SP402019	R	TC	A1	25 2 1930	25 9 1969	1930 1969	353.0
38007	BLACKWATER AT SWALLOWFIELD	SU731648	R	TC	C	14 10 1952	29 9 1969	1952 1969	1620.0
38008	THAMES AT EYNSHAM	SP445087	L	TC	A1			1954 1969	6920.0
38009	THAMES AT GRAY WEIR	SU909707	L	TC	C			1959 1969	743.0
38010	COLNE AT DENHAM	T0052864	R	TC	B	15 10 1932	30 9 1969	1932 1969	396.0
38011	WEY AT TILFORD	SU874434	R	TC	D	18 5 1934	25 9 1969	1934 1969	69.1
38012	HOGSMILL AT KINGSTON	T0182488	R	TC	A1	4 9 1938	25 9 1969	1936 1969	366.0
38013	COLNE AT BERRYGRUVE	T0123982	R	TC	E	27 5 1943	29 9 1969	1945 1969	132.0
38014	VER AT HANSTEADS	TL151016	R	TC	D	24 1 1937	30 9 1969	1936 1969	44.6
38015	WHITENATER AT LODGE FARM	SU735524	R	MUNC	B	30 9 1943	29 9 1969	1964 1966	1030.0
38016	KENNET AT THEALE	SU649708	R	TC	D	11 9 1961	29 9 1969	1961 1969	18.6
38017	RAY AT GRENDON UNDERWOOD	SP680211	R	TH	B	20 9 1963	6 7 1971	1962 1968	234.0
38018	OCK AT ABINGDON	SU486969	R	TC	A1	10 9 1962	24 10 1969	1962 1969	234.0
38019	LAMBOURN AT SHAW	SU470682	R	TC	A1	10 9 1962	24 10 1969	1962 1969	107.0
38020	COLN AT BIBURY	SP122062	R	TC	A1	13 8 1963	25 9 1969	1963 1969	488.0
38021	CHEWELL AT ENSLOW MILL	SP482182	R	TC	B	6 1 1965	1 10 1969	1963 1969	165.0
38022	LODDON AT SHEEPBRIDGE	SU720452	R	TC	A2	16 9 1965	29 9 1969	1963 1969	137.0
38023	WYE AT HEDSOR	SU896867	R	TC	A1	27 11 1964	30 9 1969	1964 1969	31.1
38024	GATWICK STREAM AT GATWICK	TQ288402	R	TC	Z	30 7 1932	29 9 1969	1936 1969	148.0
38025	ENBORNE AT BRIMPTON	SU568448	R	TC	A1	18 5 1967	29 9 1969	1967 1969	199.0
38026	CHEWELL AT BANBURY	SP458411	R	TC	A1	30 11 1966	1 10 1969	1968 1968	171.0
38027	PANG AT PANGBOURNE	SU634766	R	TC	A1	13 11 1968	29 9 1969	1968 1969	101.0
38028	DUN AT HUNGERFORD	SU321485	R	TC	A1	18 3 1968	29 9 1969	1968 1968	

STATION	RIVER AND STATION NAME	GRID REF	TP	SOURCE	GR	START	MICROFILM END	DAILY FLOW START	END	AREA
39029	TILLINGBOURNE AT SHALEFORD	T0000478	R	TC	E	9 5 1968	29 9 1969	1968	1968	59.0
39030	GADE AT CROXLEY GREEN	T0082952	R	TC						
39031	LAMBURN AT WELFORD	S0411731	R	TC	A2	25 9 1962	26 9 1969			176.0
39032	LAMBURN AT EAST SHEFFORD	S0389737	R	TC	A1	9 5 1966	26 9 1969			119.0
39033	WINTERSBOURNE AT BAGNOR	S0452605	R	TC	A1	24 10 1962	26 9 1969			49.2
39034	EVENLODE AT CASSINGTON	Sp448009	R	TC		8 2 1968	25 9 1969			430.0
39035	CHURN AT CERNEY WICK									
39036	LAW BROOK AT ALBURY	T0045468	R	TC	A2	26 9 1968	25 9 1969			16.2
39038	THAME AT SHABBINGTON	Sp670055	R	TC	B	8 3 1968	1 10 1969			467.0
39039	WYE AT HIGH WYCOMBE	S0853937	R	TC	A2	6 6 1968	25 9 1969			62.6
39801	KENNET AT KNIGHTON	S0295710	R	TC	E	24 10 1962	29 9 1969			295.0
39802	SOR BROOK AT ADDERBURY	Sp475346	R	TC	E	19 1 1967	1 10 1969			106.0
39803	THE CUT AT PITTS WEIR RINFIELD	S0853713	R	TC	C	16 7 1957	30 9 1969			69.2
39804	MOLE AT HORLEY MILL	T0271434	R	TC	A2	17 11 1961	25 9 1969			92.8
39805	MOLE AT GATWICK AIRPORT	T0260400	R	TC	E	30 10 1961	25 9 1969			
39806	GADE AT BURY MILL	TL063077	R	TC						
39807	BULBOURNE AT POUND NO ONE	TL055059	R	TC						
39808	BULBOURNE AT POUND NO TWO	TL055059	R	TC						
39809	BEAR BROOK AT AYLESBURY	Sp828139	R	TC	Z	26 11 1962	1 10 1969			
39810	LODRON AT OLD BASING	S0669540	R	TC		12 1 1962	24 6 1968			
39811	HAMLEDEN ST AT HAMBLEDEN	S0785860	R	WR	A1	24 5 1962	1 1 1970			45.8
39812	THAMES AT ASTON FERRY				Z					
39813	MOLE AT IFIELD WEIR	T0245365	R	TC	A1	19 12 1958	7 7 1971			13.2
39814	CRAWLERS BROOK AT HAZLEWICK	T0280377	R	TC	A1	14 5 1954	31 8 1971			4.50
39820	DOLLIS BK AT HENDON LANF BRIDGE	T0240895	R	GLC	A1	14 2 1952	30 12 1969			25.1
39821	BRENT AT MONKS PARK	T0202850	R	GLC	A1	2 1 1939	30 12 1969			118.0
39822	CRANE AT MARSH FARM	T0154734	R	GLC	E	16 1 1939	30 12 1969			81.0
39823	RAVENSBOURNE AT ALBACORE CRESCENT	T0376744	R	GLC	A2	5 5 1961	20 6 1969			65.0
39824	RAVENSBOURNE EAST AT BROMLEY SOUTH	T0406687	R	GLC	A1	31 10 1962	1 1 1970			10.3
39825	RAVENSBOURNE WEST AT HAVES LANE	T0406679	R	GLC	A1	14 8 1963	1 1 1970			4.30
39826	RAVENSBOURNE AT BRANGBOURNE ROAD	T0386713	R	GLC	A1	4 5 1961	16 9 1968			23.5
39827	POOL AT SELWORTHY ROAD	T0396722	R	GLC	A1	15 9 1961	5 1 1970			36.0
39828	QUAGGY AT MANOR HOUSE GARDENS	T0395749	R	GLC	A1	4 5 1961	1 1 1970			33.5
39829	QUAGGY AT CHINBROOK MEADOWS	T0410720	R	GLC						15.0
39830	BECK AT RECTORY ROAD	T0370697	R	GLC	A1	27 9 1962	1 1 1970			10.0
39831	CHAFFINCH BROOK AT BECKENHAM	T0359685	R	GLC	A1	4 9 1962	1 1 1970			7.00
39832	WANDLE AT CARSHALTON	T0280647	R	GLC	A1	27 3 1948	31 12 1969			
39833	SILK STEAM AT SHEAVESHILL AVENUE	T0214805	R	GLC	E	30 1 1962	30 12 1969			
39834	BRENT AT HANWELL	T0151802	R	GLC	B	21 2 1961	30 12 1969			
39835	YEARING BROOK WEST AT RUISLIP	T0103859	R	GLC	A2	29 11 1960	30 12 1969			132.0
39836	DUKE OF NORTHUMBERLANDS AT MOGDEN	T0153754	R	GLC	E	17 6 1964	30 12 1969			
39837	DUKE OF NORTHUMBERLANDS AT FELTHAM	T0089743	R	GLC	Z	2 11 1961	30 12 1969			
39838	LONGFORD AT FELTHAM	T0085742	R	GLC	Z	16 12 1960	30 12 1969			
39839	CRANE AT BEDFORD	T0108754	R	GLC	A1	12 2 1929	5 10 1942			
39840	SILK STREAM AT COLINDEEP LANE	T0217895	R	GLC	C	30 10 1928	27 11 1944			29.0
39841	DOLLIS BROOK AT GOLDERS GREEN	T0238882	R	GLC	A1	19 10 1928	27 12 1954			
39842	WANDLE AT MIDDLE MILLS									
39843	BRENT AT BRENT RESERVOIR	T0280867	R	BUR		30 12 1953	3 1 1971			
39845	TRING DRAINAGE FEEDER		R	BUR		30 12 1963	11 1 1971			
39901	WANDLE AT WANDLE PARK			GLC		22 12 1938	3 1 1957	1936	1958	

STATION	RIVER AND STATION NAME	GRID REF	TP	SOURCE	GR	MICROFILM START	MICROFILM END	DAILY FLOW START	DAILY FLOW END	AREA
40002	RAVENSBOROUGH AT QUEEN'S MEAD	T0407353	R	NUSWB	A1	29 11 1965	3 1 1970	1953 1963		26.9
40001	MEDWAY AT VEIR WOOD RESERVOIR	T0722213	R	HC	Z			1965 1968		9.60
40002	DARWELL AT DARWELL RESERVOIR	T0708530	R	KRA	A1	11 1 1957	3 10 1969	1956 1967		1270.0
40003	MEDWAY AT EAST FARLEIGH	T0773245	R	KRA	B	4 9 1962	7 10 1969	1962 1967		205.0
40004	ROTHER AT JDIAM	T0758478	R	KRA	A1	4 11 1958	7 10 1969	1958 1967		277.0
40005	BEULT AT STILE BRIDGE	T0632497	R	KRA	A1	14 7 1959	7 10 1969	1959 1969		49.7
40006	BORNE AT MADLOW	T0517405	R	KRA	A1	28 9 1960	6 11 1969			297.0
40007	MEDWAY AT CHAFFORD	TR040470	R	KRA	A1	18 7 1960	7 10 1969	1962 1968		230.0
40008	STOUR AT WYE	T0718399	R	KRA	A1	16 6 1961	7 10 1969	1961 1967		136.0
40009	TEISE AT STONE BRIDGE									
40010	EDEN AT PENSHURST	T0520437	R	KRA	A2	29 9 1961	2 10 1969	1961 1967		224.0
40011	STOUR AT HURTON	TR116554	R	KRA	A1	1 7 1964	7 10 1969	1964 1967		345.0
40012	DARENT AT HAWLEY	T0551718	R	KRA	A1	12 11 1963	3 10 1969	1963 1968		191.0
40013	DARENT AT OTFORD	T0525584	R	KRA	A2	8 10 1965	3 10 1969			101.0
40014	WINGHAM AT DURLOCK	TR276576	R	KRA						
40015	WHITE DRAIN AT FAIRBROOK FARM	TR055606	R	KRA	A1	22 2 1967	7 10 1969			31.1
40016	GRAY AT CRAWFORD	T0511746	R	KRA						
40017	DUDWELL AT BURWASH	T0670240	R	KRA						
40018	MEDWAY AT COLLIER'S LAND BRIDGE	T0522413	R	KRA	A1	30 9 1960	2 10 1969	1960 1967		224.0
40019	EDEN AT VEXOUR BRIDGE	T0510455	R	KRA	A1	23 6 1961	2 10 1969			
40020	DARENT AT LILLINGSTONE	T0531643	R	KRA	E	16 6 1964	3 10 1969			118.0
40801	BARTLAY MILL STREAM AT BARTLAY MILL	T0633357	R	KRA	Z	30 12 1959	23 10 1969			25.1
40802	BEUL AT BEUL BRIDGE	T0687348	R	KRA	E	1 10 1958	7 10 1969			
40803	TEISE AT LADDINGFORD DEN FARM	TR017407	R	KRA	B	20 3 1967	17 10 1969			48.3
40804	EAST STOUR AT SOUTH WILLIESBOROUGH	T0993423	R	KRA	B	20 3 1967	17 10 1969			45.1
40805	GREAT STOUR AT CHART LEACON	T0742240	R	HC	E					
40806	ROTHER AT ROBERTSBRIDGE	T0555477	R	KRA	E	20 4 1967	16 10 1969			10.1
40807	BIDBRIDGE AT BID BRIDGE	T0501405	R	KRA	B	20 4 1967	16 10 1969			17.7
40808	KENT WATER AT HOBBS HILL	T0679343	R	KRA	B	24 4 1967	16 10 1969			14.5
40809	PIPPINGFORD BROOK AT PAYGATE									
40810	ERIDGE ST AT HENDAL BRIDGE	T0522367	R	KRA	B	21 4 1967	16 10 1969			32.0
40811	LEVBOURNE ST AT LEVBOURNE	T0688546	R	KRA	E	3 3 1967	6 10 1969			23.7
40812	CRAY AT RUXLEY	T0473705	R	KRA	E	7 10 1966	3 10 1969			
40813	TILLINGHAM AT HUNDRED HOUSE BRIDGE	T0850201	R	KRA	E	15 12 1959	30 9 1969			
40814	DUDWELL AT DUDWELL MILL	T0679240	R	KRA	B	14 2 1967	20 8 1968			
40815	DOUR AT CRABBLE MILL	TR300430	R	KRA	C	31 3 1967	24 10 1969			46.9
40816	LITTLE STOUR AT W STOURMOUTH PUMPING STN	TR250430	R							
41001	NUNNINGHAM ST AT TILLEY BRIDGE	T06641128	R	SRA	E	15 3 1950	2 10 1969	1964 1968		16.9
41002	ASH BOURNE AT HAMMERWOOD BRIDGE	T0684141	R	SRA	D	13 10 1951	2 10 1969	1958 1967		18.4
41003	CUCKMERE AT SHERMAN BRIDGE	T0533052	R	SRA	A1	14 1 1959	1 10 1969	1959 1968		131.0
41005	OUSE AT GOLDBRIDGE	T0628214	R	SRA	A1	22 2 1960	30 9 1969	1960 1969		182.0
41006	UCK AT ISFIELD	T0459189	R	SRA	A2	7 7 1964	1 10 1969	1963 1969		88.7
41007	ARUN AT PARK MOUND	T0033200	R	SRA	A1	24 2 1958	1 10 1969			403.0
41008	ROTHER AT FITTLENORTH	T0010182	R	SRA	E					
41009	ROTHER AT HARDHAM	T0034176	R	NUSUR	E			1956 1964		355.0
41010	WEST ADUR AT HATTERELL BRIDGE	T0178108	R	SRA	E	3 6 1961	1 10 1969	1961 1968		109.0
41011	ROTHER AT IPING MILL	SUB53279	R	SRA	A2	27 10 1966	7 11 1969	1967 1967		154.0
41012	EAST ADUR AT SAKEHAM	T0210189	R	SRA	C	21 7 1967	1 10 1969	1967 1969		93.5
41013	HUGLETT'S ST AT HENLEY BRIDGE	T0671137	R	SRA	D	25 11 1950	2 10 1969	1964 1968		14.2
41014	ARUN AT PALLINGHAM QUAY	T0044230	R							

STATION	RIVER AND STATION NAME	GRID REF	TP	SOURCE	GR	START	MICROFILM END	DAILY FLOW START END	AREA
41015	EMS AT WESTROURNE	SU755074	R	SRA	A1	17 2 1967	1 10 1969	1967 1967	57.7
41016	CUCKMERE AT COMBEECH	T0611151	R	SRA	A2	30 6 1967	1 10 1969	1967 1969	18.6
41017	COMBE HAVEN AT CROWHURST	T0765102		SRA	E				30.5
41018	KIRD AT WISBOROUGH GREEN	T0046255		SRA					69.7
41019	ARUN AT ALFOLDEAN	T0117331							36.1
41020	BEVERN STREAM AT CLAPPER'S BRIDGE	T0424161							8.00
41021	CLAYHILL STREAM AT OLD SHIP	T0447154							
41022	LOD AT HALFWAY BRIDGE	SU931223							
41023	LAVANT AT GRAYLINGWELL	SUR71064							
41024	SHELLBROOK AT ARDINGLY								
41801	HOLLINGTON ST. AT HOLLINGTON	T0787101	R	SRA	A1	2 8 1968	2 10 1969		3.52
41802	OUSE AT ARDINGLY	TQ331283	R	MSWCC	E	1 7 1963	4 10 1969		37.3
41803	SEARLES LAKE ST. AT NUTLEY	T0433274	R	SRA	A1	29 4 1968	30 9 1969		1.00
41804	SEDGY GILL AT BALCOMBE	T0310312	R	SRA	B	24 5 1968	30 9 1969		3.50
41805	WINTERBOURNE ST. AT LEWIS	T0403096		SRA					
41806	NORTH END ST. AT ALLINGTON FARM	T0386138		SRA	C	17 7 1964	2 10 1969		2.00
41807	BEVERN STREAM AT EAST CHILTINGTON	T0368153	R	SRA	C	23 12 1966	2 10 1969		7.30
41808	EAST ADUR AT BURGESS HILL	T0310206	R	SRA	C	6 7 1967	30 9 1969		18.3
41809	WEST ADUR AT ROWFOLD	TQ104262	R	SRA	E	16 5 1968	1 10 1969		7.50
41810	FULKING ST. AT FULKING	T0246114							
41811	CHESS ST AT CHESS BRIDGE	T0216172	R	SRA	A1	13 11 1964	1 10 1969		23.9
41812	HASLINGROURNE ST AT HASLINGROURNE	SU982202	R	SRA	B	4 9 1967	1 10 1969		12.1
41813	HARTING BK AT SOUTH HARTING	SU788195							
41814	EMS AT WALBERTON	SU787105		SRA					
42001	WALLINGTON AT NORTH FAREHAM	SU587075	R	HRA	E	5 9 1951	2 10 1969	1953 1969	111.0
42002	ITCHEN AT ALLBROOK/HIGHBRIDGE	SU461211	R	HRA	B	5 7 1958	1 10 1969	1958 1969	360.0
42003	LYMINGTON AT BROCKENHURST	SU313019	R	HRA	E	31 1 1958	3 10 1969	1961 1969	98.9
42004	TEST AT BROADLANDS	SU354148	R	HRA	E	27 9 1957	29 9 1969	1958 1969	1040.0
42005	WALLOP RK AT BROUGHTON	SU311330	R	HRA	Z	29 7 1955	30 9 1969	1953 1969	53.6
42006	MEON AT MISLINGFORD	SU580141	R	HRA	C	14 8 1958	3 10 1969	1958 1969	72.8
42007	ALRE AT ALRESFORD	SU574326		HRA					57.0
42008	CHERITON ST AT ALRESFORD	SU574322		HRA					
42009	CANDOVER BK AT BOROUGH BRIDGE	SU564345		HRA					
42801	HERMITAGE ST AT HAVANT	SU711068	R	HRA	B	27 2 1953	30 9 1969		17.4
42802	HERMITAGE ST AT MIDDLE PARK FARM	SU706088							
43001	AVON AT RINGWOOD	SU142054	R	ADRA	A2	30 12 1958	2 1 1968	1960 1965	1640.0
43002	STOUR AT ENSBURY	S7089945	R	ADRA	A2	20 11 1959	6 10 1969		1210.0
43003	AVON AT EAST MILLS AND FLIMF	SU158164	R	ADRA	E	23 9 1963	6 10 1969	1963 1965	1480.0
43004	BOURNE AT LAVERSTOCK	SU157303		ADRA				1965 1969	
43005	AVON AT AMESBURY	SU151414	R	ADRA	A2	26 7 1965	6 10 1969	1965 1969	324.0
43006	NADDER AT WILTON PARK	SU097307	R	ADRA	A1	9 2 1966	6 10 1969	1965 1969	220.0
43007	STOUR AT THROOP MILL	S7113958	R	ADRA					
43008	WYLYE AT SOUTH NEWTON	SU086343	R	ADRA	A1	7 12 1966	6 10 1969	1966 1969	443.0
43009	UPPER STOUR AT HAMMOON	ST820147	R	ADRA	B	13 2 1968	1 10 1969	1968 1969	523.0
43010	ALLEN AT LOVERLY MILL	SU006085	R	ADRA	B	3 11 1967	1 10 1969		94.0
43011	EBBLE AT BUDENHAM	SU162263		ADRA					
43012	WYLYE AT NORTON BAVANT	ST909428		ADRA					
43013	MUDE AT SOMERFORD	S7184034	R	ADRA	B	22 12 1966	2 10 1969		7.70
43014	AVON AT UPAVON	SU133550							
44001	FRONE AT EAST STOKE MILL AND WEIR	SV866867	R	ADRA	E	19 7 1960	6 10 1969	1961 1965	414.0

STATION	RIVER AND STATION NAME	GRID REF	TP	SOURCE	GR	START	MICROFILM END	DAILY FLOW START END	AREA
44002	PIODLE AT BAGGS MILL	SV913876	R	ADRA	E	25 11 1963	6 10 1969	1963 1968	183.0
44003	ASKER AT BRIDPORT	SV470027	R	ADRA	A2	27 9 1966	6 10 1969	1966 1969	49.0
44004	FROME AT LOUDS MILL/STINSFORD	SV712007	R	ADRA	B	29 1 1969	6 10 1969		206.0
44005	BRIT AT NORTH MILLS								
44006	SYDLING WATER AT SYDLING ST NICHOLAS	SV632097		ADRA					
45001	EXE AT THORVERTON	SS936016	R	DRA	A1	13 4 1956	2 10 1969	1957 1968	601.0
45002	EXE AT STOONLEIGH	SS943178	R	DRA	A1	1 4 1960	2 10 1969	1961 1968	422.0
45003	CULM AT WOODMILL	ST021058	R	DPA	A1	29 1 1962	2 10 1969	1962 1968	226.0
45004	AXE AT WHITFORD	SV262953	R	DRA	A1	5 11 1964	1 10 1969	1964 1968	298.0
45005	OTTER AT DOTTON	SV087885	R	DRA	A1	29 2 1962	3 10 1969	1963 1968	203.0
45006	QUAPME AT ENTERWELL	SS919356	R	DRA	A1	2 7 1964	2 10 1969	1964 1967	20.4
45801	BACK BROOK AT HAWKERLAND	SV058887		UF					2.46
45802	BUDLEIGH BK AT VETTINGTON	SV051857		UF					2.51
45803	OTTER AT KNACKERS HOLE	ST221120	R	WSWB	E	5 11 1950	24 12 1962		
45804	BARLE AT BRUSHFORD	SS927258	R	DRA	A1	7 4 1966	1 10 1960		128.0
45805	EXE AT PIXTON	SS935260	R	DRA	A1	28 4 1966	2 10 1969		160.0
45806	CREEFY AT COWLEY	SX901067	R	DRA	C	23 3 1964	30 9 1969		262.0
45807	OTTER AT ROYSTON WATER	ST227131		WSWB					
45808	HOLYFORD BROOK AT HOLYFORD SPRING	SV235922	R	EDWB					
45809	SID AT CORE CORSE	SV139048	R	UF		26 12 1967	31 12 1968		
45810	SID AT LINCOMBE	SV139030		UF					
45811	SID AT SPRINGFIELD	SV141032	R	UF	B	26 12 1967	31 12 1968		
45812	GISSAGE STREAM AT SWINESLOUSE	SV154063	R	UF		26 12 1967	31 12 1968		
45813	GISSAGE STREAM AT COOMHAYES	SV162990	R	UF		26 12 1967	31 12 1968		
45814	KNOWLE BROOK AT SQUIABMOOR	SV040839		FDWB					
45815	CULM AT CHURCHSTANTON	ST193131		NDWB					
46001	SOUTH TEIGN AT FERNWORTHY RESERVOIR	SX671844	R	SUDWB	Z	8 9 1947	7 1 1962		9.95
46002	TEIGN AT PRESTON	SX856746	R	DRA	A1	13 4 1956	1 10 1969	1957 1968	381.0
46003	DART AT AUSTINS BRIDGE	SX751659	R	DRA	A1	19 9 1958	1 10 1969	1960 1968	248.0
46004	AVON AT AVON DAM	SX680651	R	SUDWB	A1	11 11 1957	6 10 1969		12.0
46005	EAST DART AT BELLEVER BRIDGE	SX657775	R	DRA	A1	6 3 1964	1 10 1969	1964 1968	21.3
46801	ERME AT ERME INTAKE	SX640632	R	CP	A2	13 9 1960	1 9 1970		14.9
46802	SWINCOMBE AT SWINCOMBE INTAKE	SX633719	R	SUDWB	A1	7 1 1963	6 10 1969		14.2
46803	TEIGN AT ASHTON	SX840847	R	DRA	E	2 3 1964	1 10 1969		183.0
46804	WEST DART AT HUCCABY	SX662730	R	DRA	E	23 5 1968	5 10 1969		72.5
46805	BALA BROOK AT BALA RES INTAKES	SX673628	R	SUDWB	A1	12 5 1933	6 10 1969		5.67
46806	AVON AT AVON INTAKE	SX681641	R	SUDWB	A1	23 11 1936	6 1 1969		14.0
46807	ERME AT IVYRIDGE	SX639571							
46808	SOUTH WEST DEVON WATER BOARD RESERVOIRS								
46809	VENFORD ST AT VENFORD RESERVOIR	SX687712	L	SUDWB	Z				
47001	TAMAR AT GUNNISLAKE	SX626725	R	CRA	B	26 6 1956	6 10 1969	1956 1969	917.0
47002	TAMAR AT WERRINGTON	SX343886	R	CRA	E	25 9 1956	6 10 1969	1956 1966	258.0
47003	TAVY AT LOPWELL DAM	SX474650	R	CP	E	7 1 1961	4 10 1969	1957 1958	206.0
47004	LYNHER AT PILLATON MILL	SX368624	R	CRA	B	10 5 1961	6 10 1969	1963 1969	135.0
47005	OTTERY AT WERRINGTON PARK	SX336866	R	CRA	B	3 2 1961	6 10 1969	1963 1969	121.0
47006	LYD AT LIFTON PARK	SX388842	R	CRA	C	8 8 1962	6 10 1969	1963 1969	218.0
47007	YEALM AT PUSLINC	SX574511	R	CRA	B	12 5 1962	6 10 1969	1963 1969	54.9
47008	THRUSHEL AT TINHAY	SX398856		CRA					
47009	TIDDY AT TIDEFORD	SX343595		CRA					
47010	INNY AT RUSES MILL								

STATION	RIVER AND STATION NAME	GRID REF	TP	SOURCE	GR	MICROFILM		DAILY FLOW		AREA		
						START	END	START	END			
47801	WITHEY BROOK AT NORTH HILL	SX239753	R	ECWB	Z	5	10	1938	3	10	1969	
47802	RUSHEYFORD BK AT NORTH HILL	SX221762	R	ECWB		6	5	1938	3	10	1969	
48001	FONEY AT TREKEIVSTEPS	SX227498	R	ECWB	E	17	10	1957	17	10	1969	36.8
48002	FONEY AT RESTORMEL	SX108613	R	CRA	B	21	2	1961	6	10	1969	171.0
48003	FAL AT TREGONY	SW921447	R	CRA	C	9	2	1961	6	10	1969	89.4
48004	WARLEGGAN AT TRENGOFFE	SX159474	R	CRA								
48005	KENWYN AT TRURO	SW820450	R	CRA	A1	1	10	1968	6	10	1969	19.0
48006	COBER AT HELSTON	SW654273	R	CRA		1	10	1968	6	10	1969	39.6
48007	KENWALL AT PONSANOOTH	SW762377	R	CRA		1	10	1968	6	10	1969	26.6
48008	WHITE AT MOLINGEY	SX007495	R	CRA								
49001	CAMEL AT DENBY	SX017682	R	CRA	B	11	8	1964	6	10	1969	209.0
49002	HAYLE AT ST ERTH	SW549342	R	CRA	A1	26	2	1957	6	10	1969	49.0
49003	DE LANK AT DE LANK	SX132765	R	NMCWB	A1	23	11	1966	10	9	1969	21.7
49004	GANNEL AT GUILLS BRIDGE	SW829593	R	CRA								
49001	CAMEL AT GROGLEY	SX017682	R	CRA	D	3	4	1957	29	9	1965	209.0
50001	TAW AT UMBERLEIGH	SS608237	R	DRA	A1	26	9	1958	6	70	1969	826.0
50002	TORRIDGE AT NEWBRIDGE	SS500185	R	DRA	A1	6	7	1960	30	9	1969	663.0
50003	TAW AT STICKLEPATH	SX634938	R	DRA	E	4	5	1962	30	9	1969	15.6
50004	HOLE WATER AT MUXWORTHY	SS705373	R	DRA								
50801	YEO AT PARKHAM	SS393221	R	DRA	D	12	5	1965	7	10	1969	7.70
50802	WEST OKEMENT AT VELLAKE	SX557903	R	DRA								
50803	MOLE AT WOODLEIGH	SS660211	R	DRA	D	11	1	1965	6	10	1969	13.3
50804	HOOKMOOR BK AT GORHUISH	SX532987	R	DRA	B	11	8	1967	7	2	1968	
50805	TAW AT NEWHAM	SS661173	R	DRA								
50806	TAW AT IRISHMANS WALL	SX620915	R	NMCWB	E	26	11	1948	28	12	1969	11.2
51801	WASHEFORD AT BERGEARN HUIFSH	ST040395	R	SORA		14	10	1966	21	10	1969	
52001	AXE AT WOKEY	ST527458	R	BU								
52002	YEO AT SUTTON BINGHAM RFS	ST556116	R	WXWB	E	20	10	1954	6	10	1969	30.3
52003	HALSE WATER AT BISHOPS HULL	ST206253	R	SORA	B	7	11	1961	7	10	1969	87.8
52004	ISLE AT ASHFORD MILL	ST361188	R	SORA	A1	17	9	1962	2	10	1969	90.1
52005	TONE AT BISHOPS HULL	ST204250	R	SORA	B	6	1	1961	7	10	1969	202.0
52006	YEO AT PEN MILL	ST573162	R	SORA	A1	18	5	1962	2	10	1969	132.0
52007	PARRETT AT CHISELBOROUGH	ST461145	R	SORA	A2	5	7	1966	2	10	1969	47.0
52008	TONE AT CLATWORTHY RESERVOIR	ST044312	R	WSWB	D	20	9	1960	2	10	1969	18.2
52009	SHEPPEY AT PENNY CASTLE	ST498439	R	SORA	A2	31	12	1963	8	10	1969	59.6
52010	BRUE AT LOVINGTON	ST590318	R	SORA	A1	11	5	1964	8	10	1969	135.0
52011	CARY AT SOMERTON	ST498291	R	SORA	A2	2	9	1965	8	10	1969	82.4
52012	CAM AT BRIDGHAMPTON											
52013	DONIFORD ST AT SWILL BRIDGE	ST088428	R	SORA	D	28	9	1966	7	10	1969	75.0
52014	TONE AT GREENHAM	ST079203	R	SORA	C	13	5	1966	7	10	1969	57.2
52015	LAND YEO AT WRAXALL BRIDGE											
52801	TONE AT WADHAMS FARM	ST055268	R	SORA	A1	10	2	1967	7	10	1969	52.0
52802	DURLEIGH BROOK AT REXWORTHY	ST259364	R	WSWB	E	24	12	1956	6	10	1969	3.06
52803	AISHOLT AT HAWKRIDGE	ST201359	R	WSWB	E							3.00
52804	MERRIDGE AT HAWKRIDGE	ST201361	R	WSWB	E							3.00
52805	GALLICA BROOK AT RHYME INTRINSICA	ST572100	R	WXWB	A1	4	10	1966	6	10	1969	15.8
52806	CANNINGTON BROOK AT HAWKRIDGE RES	ST213365	R	WSWB								
52807	CHEDDAR YEO AT BLAGDON	ST503601	R	BU								
52808	KENN AT KENN MOOR GATE	ST451680	R	BU								
52809	CONGRESBURY YEO AT IUOOD	ST454630	R	BU								

STATION	RIVER AND STATION NAME	GRID REF	REF TP	SOURCE	GR	START	MICROFILM END	DAILY FLOW START	END	AREA
53001	AVON AT MELKSHAM	ST903641	R	BARA	D	26 11 1937	2 10 1969	1953	1963	666.0
53002	SEMINGTON BROOK AT SEMINGTON	ST898609	R	BARA	E	23 10 1947	2 10 1969	1953	1967	158.0
53003	AVON AT BATH	ST752651	R	BARA	A1	25 11 1939	6 10 1969	1953	1963	1600.0
53004	CHEW AT COMPTON DANDO	ST648647	R	BARA	A1	26 2 1958	3 10 1969	1957	1963	130.0
53005	MIDFORD BROOK AT MIDFORD	ST763611	R	BARA	A1	21 4 1961	3 10 1969	1961	1963	147.0
53006	FROME AT FRENCHAY	ST637772	R	BARA	C	7 7 1961	3 10 1969	1961	1963	149.0
53007	FROME AT TELLSFORD	ST805564	R	BARA	A1	21 4 1961	3 10 1969	1961	1963	262.0
53008	AVON AT GT SOMERFORD	ST966832	R	BARA	A2	16 12 1963	9 10 1969	1964	1963	303.0
53009	WELLOW BK AT WELLOW	ST741581	R	BARA	A1	7 1 1966	3 10 1969			70.0
53010	AVON AT BACK BRIDGE	ST922822								
53011	LOWER STODE STREAM AT CHEW STOKE	ST552615								
53012	BABYLON BROOK AT CHEW STOKE	ST552613								
53013	MARDEN AT STANLEY	ST956729	R	BARA	E	4 8 1963	9 10 1969			110.0
53014	SPRINGS AT THREE ASHES	ST654464								
53015	SPRINGS AT TISHELL	ST902524								
53016	SPRINGS AT DUNKERTON	ST802399								
53801	GAUZE BROOK AT RODRORNE	ST937841	R	BARA	C	5 12 1962	9 10 1969			23.5
53802	WOORBRIDGE BROOK AT CRAB MILL	ST950867	R	BARA	D	13 4 1964	2 10 1969			43.0
54001	SEVERN AT BENDLEY	ST978762	R	SERA	A	23 6 1923	6 1 1970	1921	1970	4330.0
54002	AVON AT EVESHAM	SP036431	R	SEPA	A2	13 9 1937	8 1 1970	1938	1970	2210.0
54003	VYRNWY AT VYRNWY RESERVOIR	SJ019191	L	LCUW	D			1920	1970	94.4
54004	SOWE AT STONELEIGH	SP332731	R	SERA	A	19 3 1951	5 1 1970	1952	1969	264.0
54005	SEVERN AT MONTFORD	SJ413145	R	SERA	A	28 4 1952	7 1 1970	1953	1969	2030.0
54006	STOUR AT KIDDERMINSTER	SO828749	R	SERA	A	25 7 1952	5 1 1970	1953	1969	324.0
54007	ARROW AT BROOM	SP087532	R	SERA	A1	19 3 1956	30 12 1969	1957	1969	319.0
54008	TEME AT TENBURY WELLS	SO598685	R	SEPA	B	22 8 1956	6 1 1970	1956	1970	1130.0
54009	STOUR AT STOURTON	SO861846	R	SERA	E	4 9 1956	5 1 1970			
54010	STOUR AT ALSCOT PARK	SP208507	R	SERA	B	15 12 1958	8 1 1970			319.0
54011	SALWARPE AT HARFORD HILL	SO868619	R	SERA	A	28 7 1958	3 1 1970	1961	1969	104.0
54012	TERN AT WALCOT	SJ592123	R	SERA	B	11 5 1959	5 1 1970	1960	1969	852.0
54013	CLYDE06 AT CRIBYNAU	SN944855	R	SERA	A2	10 12 1958	5 1 1970	1959	1970	57.0
54014	SEVERN AT ABERMULE	SO165958	R	SERA	A	15 6 1960	5 1 1970	1962	1970	580.0
54015	BOW BROOK AT BESFORD BRIDGE	SO927463	R	SERA	E	26 9 1961	8 1 1970			156.0
54016	RODEN AT RODINGTON	SJ589141	R	SERA	A	2 3 1961	2 9 1969	1961	1969	259.0
54017	LEADON AT WEDDERBURN BRIDGE	SO777234	R	SERA	C	14 8 1961	5 1 1970	1962	1969	293.0
54018	REA BROOK AT HOOKAGATE	SJ465092	R	SEPA	A2	10 10 1962	21 7 1969	1962	1969	178.0
54019	AVON AT STARETON	SP333715	R	SERA	A1	26 9 1962	13 1 1970	1962	1969	347.0
54020	PERRY AT YEATON	SJ435193	R	SERA	A1	25 9 1963	21 7 1969	1963	1969	181.0
54021	SEVERN AT LLANIDLOES	SN954848	R	SERA	Z	20 6 1967	5 1 1970			
54022	SEVERN AT PLYNLIMON WEIR	SN850872	R	SEPA	A1	27 4 1951	2 6 1971	1953	1958	8.05
54023	BADSEY BROOK AT OFFENHAM	SP063449	R	SEPA	A1	2 5 1968	30 9 1969	1968	1969	96.0
54024	WORPE AT BURCOTE	SO746953	R	SERA	A1	21 3 1969	26 7 1971	1969	1969	258.0
54025	DULAS AT RHOS Y PENTREF	SN950824			Z					
54026	CHELT AT SLATE MILL	SO892264			Z					
54027	FROME AT EBLEY MILL	SO831047	R	SERA	Z	14 4 1969	26 7 1971	1969	1969	34.5
54028	VYRNWY AT NEWBRIDGE	SJ252196			Z					198.0
54029	TEME AT KNIGHTSFORD BRIDGE	SO735557			Z					
54030	GAM AT LLANGADFAN	SJ011098			Z					
54031	CLUN AT CLUNGUNFORD	SO394786			Z					
54032	SEVERN AT SAXON'S LODGE	SO864391			Z					

STATION	RIVER AND STATION NAME	GRID REF	TP	SOURCE	GR	START	MICROFILM END	DAILY FLOW START END	AREA
54033	SEVERN AT MYTHE BRIDGE TEWKESBURY	S0803137		SERA	Z				
54034	DOWLES BROOK AT DOWLES	S0768764		SERA	Z				
54035	AVON AT STRATFORD	SP205548		SERA	Z				
54036	ISBURN AT HINTON ON THE GREEN	SP023408		SERA	Z				
54801	AVON AT TEWKESBURY	S0895333	R	SERA	E	6 1 1938	3 1 1970		2790.0
54802	SEVERN AT WFLSH BRIDGE	SJ489127	R	SERA	E	11 12 1930	5 1 1970		
54803	SEVERN AT DIGLIS LOCK	S0847535	R	SERA	Z	19 10 1933	5 1 1970		5130.0
54804	STOUR AT STOURBRIDGE	S0905849	R	CEGB	E	30 7 1936	5 1 1970		
54805	VYRNWY AT HEIFOD	SJ156129	R	SERA	E	1 11 1962	5 1 1970		
54806	SEVERN AT CAERSWS	S0033917	R	SERA	E	22 11 1962	5 1 1970		
54807	SEVERN AT GLOUCESTER, UPPER PARTING	S0822216	R	SERA	E	25 3 1953	5 1 1970		9990.0
54808	AVON AT PERSHORE MILL	S0942455		SERA	E				
54809	SEVERN AT UPTON	S0865399	L	CCB	A				6990.0
54810	AVON AT WARWICK			SERA	E				
54811	LITTLE AVON AT WICKWAR	ST729888	R	SERA	E	29 12 1964	2 7 1968		23.7
54812	OZLEWORTH AT ALDERLEY	ST773914	R	BW	E				12.2
54813	LITTLE AVON AT DAMERY	ST709941	R	SERA	E	28 12 1964	31 12 1969		89.0
54814	SEVERN AT IRONBRIDGE	SJ662036		CEGB	E				
54815	SEVERN AT GLOUCESTER DOCKS	S0826185		BUR	E				
54816	WORFE AT COSFORD	SJ781046	R	CAW	Z	12 5 1961	1 1 1971		57.0
54817	AVON AT WELFORD	SP644808		RJWB	Z				
54901	TEME AT BROADWAS	S0753554		SERA	Z				363.0
54902	LEAM AT LEAMINGTON	SP334633	R	SNWB	E	12 12 1961	3 8 1970		1380.0
54903	TEME AT BRANSFORD	S0804532	R	SERA	E	28 9 1951	3 1 1970		4040.0
55001	WYE AT CADORA	S0535090	R	WRA	A1	29 10 1936	1 10 1969	1936 1969	1900.0
55002	WYE AT BELMONT	S0485388	R	WRA	B	7 1 1908	6 10 1969	1937 1969	886.0
55003	LUGG AT LUGWARDINE	S0548405	R	WRA	B	1 12 1939	6 10 1969	1939 1969	72.8
55004	IRFON AT ABRVANT	SN892460	R	WRA	C	2 11 1937	6 10 1969	1937 1970	167.0
55005	WYE AT RHAYADER	SN969476	R	WRA	C	9 11 1937	6 10 1969	1937 1969	
55006	ELAN AT CABAN COCH RESERVOIR	SN926665		BCC	E			1908 1970	
55007	WYE AT ERWOOD	S0076465	R	WRA	B	2 11 1937	6 10 1969	1937 1969	1280.0
55008	WYE AT CEFN BRWYN	SN829838	R	WRA	A	20 7 1951	2 6 1971	1951 1971	10.4
55009	MONNOW AT KENTCHURCH	S0419251	R	WRA	C	6 1 1946	6 10 1969	1948 1970	337.0
55010	WYE AT PANT MAWR	SN843825	R	WRA	B	26 8 1952	6 10 1969	1953 1970	27.2
55011	ITHON AT LLANDEWI	S0105683	R	WRA	E	16 11 1937	6 10 1969	1959 1968	111.0
55012	IRFON AT CILMERY	SN95507	R	WRA	C	22 9 1966	6 10 1969	1966 1969	244.0
55013	ARROW AT TITLEY MILL	S0328585	R	WRA	C	23 6 1966	6 10 1969	1966 1969	126.0
55014	LUGG AT BYTON	S0364647	R	WRA	B	3 1 1959	6 10 1969	1966 1969	203.0
55015	HONDDU AT TAFOLOG	S0272904	R	WRA	C	29 3 1953	6 10 1969	1966 1970	24.6
55016	ITHON AT DOL FAWR	S0024578	R	WRA	B	29 7 1968	6 10 1969	1968 1970	338.0
55017	CHWFRU AT GARREG Y WEN	S0005523	R	WRA	B	1 7 1968	6 10 1969	1968 1970	29.0
55018	FRONE AT YARKHILL	S0616428	R	WRA	C	14 6 1968	6 10 1969	1968 1969	144.0
55021	LUGG AT BUTTS BRIDGE	S0502589	R	WRA	B	28 2 1969	6 10 1969	1969 1970	371.0
55022	TROTHY AT MITCHEL TRUY	S0502113	R	WRA	Z	1 4 1969	6 10 1969		142.0
55026	WYE AT DDOL FARM	SN985676		WRA	Z			1969 1970	174.0
55801	WYE AT FOMHOPE	S0569367	R	WRA	B	4 12 1939	2 10 1969		
55802	WYE AT MONMOUTH	S0511128	R	WRA	E	29 10 1936	1 10 1969		
55803	WYE AT RHAYADER BRIDGE	SN968679	R	WRA	E	10 2 1969	6 10 1969		
55804	WYE AT HAY	S0230428	R	WRA	E	24 7 1957	6 10 1969		
55805	WYE AT BIGSWEIR	S0538048	R	WRA	E	1 10 1957	1 10 1969		

STATION	RIVER AND STATION NAME	GRID REF	TP	SOURCE	GR	MICROFILM START	MICROFILM END	DAILY FLOW START	DAILY FLOW END	AREA
55806	LUGG AT LEOMINSTER	S0495504	R	URA	E	31 12 1945	9 3 1953			95.3
55808	CLAERMEN AT DOL Y MYNACH	S0910420	R	RCC	B	16 4 1925	1 1 1948			912.0
56001	USK AT CHAIN BRIDGE	S0345056	R	URA	B	12 2 1957	3 10 1969	1957	1969	217.0
56002	EBBW AT RHIDERYN	ST258888	R	URA	B	24 4 1957	3 10 1969	1957	1969	62.2
56003	HONDDU AT THE FORGE BRECON	S0031297	R	URA	A2	1 10 1963	8 10 1969	1963	1969	544.0
56004	USK AT LLANDDETTY	S0127203	R	URA	A1	5 11 1965	8 10 1969	1965	1969	98.1
56005	AFON LLWYD AT PONTNHIR	ST330924	R	URA	A1	15 6 1966	3 10 1969	1966	1969	184.0
56006	USK AT TRALLONG	S0947295	R	URA	A2	1 10 1963	7 10 1969	1963	1969	19.9
56007	SENNI AT PONT HEN HAFOD	S0928258	R	URA	Z			1967	1968	18.0
56008	MONKS DITCH AT LLANWERN	ST372885		URA	Z					
56009	NANT BRAN AT PONT-AR-FRAN				Z					
56010	USK AT TROSTREY	S0355042		CC	E					
56011	SIRHOWY AT WATTSVILLE	ST206912		URA	Z					
56012	GRWYNE AT LLANGENNY	S0241174		URA	Z					
56801	DOLLAIS BK AT CUMBRAN	ST284943		CWDC	E					
56802	GRWYNE FAWR AT GRWYNE RESERVOIR	S0233307		GWR	Z					
56803	CRAY AT CRAY RESERVOIR	S0852221		SJWWB	Z					
56804	USK AT USK RESERVOIR	S0816260		SJWWB	Z					
56901	CAERFANELL AT TALLYBONT RESERVOIR	S0116228		GWB	Z					
57001	TAF FECHAN AT TAF FECHAN RESERVOIR	S0060117		TF	E			1952	1968	33.7
57002	TAF FAWR AT LLWYNON RESERVOIR	S0012112		CC	E			1931	1970	43.0
57003	TAFF AT TONGWYNLAIS	ST132818		GRA	B			1965	1969	487.0
57004	CYNON AT ABERCYNON	ST079956	R	GRA	A	26 12 1960	27 1 1971	1965	1969	109.0
57005	TAFF AT PONTYPRIDD	ST079997	R	GRA	A1	12 3 1968	27 1 1971	1957	1969	455.0
57006	RHONDDA AT TREHAFOD	ST052909	R	GRA	A	28 6 1968	27 1 1971			101.0
57801	ELY AT LANELAY	ST033843	R	GRA	B	31 7 1967	27 1 1971			39.4
57802	MYCHYDD AT YNYS Y PLYM	ST038843	R	GRA	E	20 10 1967	27 1 1971			15.4
57803	CLUN AT CROSS INN	ST053824	R	GRA	B	27 1 1967	27 1 1971			25.9
57804	RHYMNEY AT GILFACH BARGOED	ST157984	R	GRA	E	16 5 1967	27 1 1971			63.2
57902	ELY AT ST.FAGAN'S	ST125771			Z					
58001	OGMORE AT BRIDGEND	SS004794	R	GRA	A1	28 12 1960	27 1 1971	1963	1970	158.0
58002	NEATH AT RESOLVEN	S0815017	R	GRA	B	30 12 1960	27 1 1971			191.0
58003	EWENNY AT EWENNY PRIORY	SS914780	R	GRA	A1	28 12 1960	25 3 1970	1962	1965	62.9
58004	AVAN AT CWMAYON	SS781919	R	GRA	B	8 12 1961	27 1 1971			85.7
58005	OGMRE AT BRYMENYN	SS904844		GRA	Z					75.1
58801	EWENNY AT PENCOED	SS060810	R	GRA	Z	5 7 1968	27 1 1971			
59001	TAFE AT YNYS TANGLWIS	SS685098	R	SWURA	C	18 10 1956	6 10 1969	1958	1965	228.0
59002	LOUGHOR AT AMMANFORD	SN624127	R	SWURA	Z	12 9 1967	4 9 1970			46.4
60001	TOWY AT TY CASTELL FARM	SN491204	R	SWURA	B	1 1 1958	24 9 1969	1958	1968	1090.0
60002	COTHI AT FELIN MYNACHDY	SN506223	R	SWURA	B	27 7 1961	24 9 1969	1961	1968	298.0
60003	TAF AT CLOG Y FRAN	SN238160	R	SWURA	A2	31 7 1964	24 9 1969			217.0
60004	DEWI FAWR AT GLASFRYN	SN290175	R	SWURA	Z	21 2 1967	2 9 1970			40.1
60005	BRAN AT LLANDOVERY	SN771343	R	SWURA	Z	8 4 1968	4 8 1970			66.8
60006	GWILI AT GLANGWILI	SN431220	R	SWURA	Z	2 5 1968	4 9 1970			130.0
60007	TOWY AT DOLAU HIRION	SN762362	R	SWURA	Z	25 4 1968	4 8 1970			232.0
60009	SAMDDE AT LLANGADOG	SN712266		SWURA	Z					
61001	WESTERN CLEDDAU AT PRENDERGAST MILL	SN054177	R	SWURA	A1	28 7 1961	24 9 1969	1965	1968	198.0
61002	EASTERN CLEDDAU AT CANASTON BRIDGE	SN071152	R	SWURA	B	30 11 1959	26 9 1969	1960	1967	183.0
61003	GWAUN AT CILRHEDYN BRIDGE	SN005349	R	SWURA	Z	17 9 1968	3 9 1970			31.3
62001	TEIFI AT GLAN TEIFI	SN244416	R	SWURA	A2	5 6 1959	2 10 1969	1959	1967	894.0

STATION	RIVER AND STATION NAME	GRID REF	TP	SOURCE	GR	START	MICROFILM	DAILY FLOW	AREA
						START	END	START	
								START	
								END	
63001	YSTWYTH AT PONT LLOLWYN	SM591774	R	SWURA	C	29 6 1961	23 9 1969	1963 1968	170.0
63002	RHEIDOL AT LLANBADARN FAWR	SM601804	R	SWURA	B	22 10 1963	23 9 1969	1963 1968	182.0
63003	MYRE AT LLANRHYSTYD	SM542698	R	SWURA	Z	14 10 1968	3 8 1970	1963 1968	55.9
64001	DOVEY AT DOVEY BRIDGE	SH745019	R	GURA	B	27 9 1962	1 10 1969	1962 1969	471.0
64002	DYSYNNIAT PONT Y GARTH	SH632067	R	GURA	B	3 11 1965	1 10 1969	1966 1969	75.9
64003	MAWDACH NEAR GANLLUYD	SH729233	R	GURA	B	4 5 1967	6 10 1969	1967 1969	139.0
64004	TWYMYN AT CEMMAES ROAD	SH825047	R	GURA	E	18 8 1968	7 10 1969	1967 1969	107.0
64005	UNION AT DOLGELLAU	SH730179	R	GURA	E	18 5 1969	6 10 1969	1961 1969	68.6
65001	GLASLYN AT BEDDGELEERT	SH592478	R	GURA	B	8 11 1961	6 10 1969	1967 1969	78.2
65002	DWYRYD AT MAENTWROG	SH670415	R	GURA	B	4 5 1967	1 10 1969	1966 1969	11.4
65003	CWYRFAI AT LLYN CWELLYN	SH552557	R	GURA	E			1966 1969	46.1
65801	NANT PERIS AT TAN-YR-ALLT	SH609579	R	GURA	B			1959 1969	404.0
65901	DWYRYD HYDRO ELECTRIC SCHEME	SH689422	L	CEGB	Z	9 7 1951	9 4 1959	1961 1969	220.0
66001	CLWYD AT PONT Y CAMBULL	SJ069709	R	DCRA	E	17 11 1959	7 10 1969	1963 1968	69.9
66002	ELWY AT PANT YR ONEN	SJ021704	R	DCRA	B	26 7 1961	7 10 1969	1964 1969	10.4
66003	ALED AT BRVN ALED	SH957703	R	DCRA	D	24 7 1963	22 10 1969	1937 1969	267.0
66011	CONWAY AT CWM LLANERCH	SH802581	R	GURA	B	29 5 1964	1 10 1969	1937 1969	1040.0
54801	CONWAY AT BLAEN Y COED	SH804452	R	CEGB	B	17 11 1950	4 6 1958	1921 1969	20.2
67001	DEE AT BALA FLUME	SH942357	R	DCRA	E	27 4 1956	8 10 1969	1935 1937	25.5
67002	DEE AT ERBISTOCK RECTORY	SJ358412	R	DCRA	B	29 12 1937	13 10 1969	1932 1937	114.0
67003	BRENIG AT PONT Y RHUDDFA	SH974539	R	DCRA	B	29 9 1964	28 10 1969	1960 1969	185.0
67004	ALWEN AT ALWEN RESERVOIR	SH957528	R	WMB	E			1964 1969	728.0
67005	CEIRIOG AT BRYNKINALT WEIR	SJ295373	R	DCRA	B	21 8 1958	6 10 1969	1965 1969	227.0
67006	ALWEN AT DRUID	SJ042436	R	DCRA	B	12 1 1960	3 10 1969	1965 1967	79.5
67007	DEE AT GLYNDYFRDHY	SJ155428	R	DCRA	B	21 1 1964	7 10 1969	1967 1968	13.1
67008	ALYN AT PONT Y CAPEL	SJ336541	R	DCRA	B	29 5 1965	6 10 1969	1967 1968	27.2
67009	ALYN AT RHYDYMYN	SJ204667	R	DCRA	C	1 1 1957	21 10 1969	1967 1969	33.9
67010	GELYN AT CYNEFALL	SH834420	R	LCWU	A1	25 3 1966	10 5 1971	1967 1969	656.0
67011	NANT ABERDERFEL AT NANT ABERDERFEL	SH831392	R	LCWU	A1	25 4 1966	10 5 1971	1967 1969	33.9
67012	UPPER TRYWERYN	SH838398	R	LCWU	E	9 3 1966	10 5 1971	1967 1969	105.0
67013	HIRNANT AT PLAS RHIWAEDOG	SH966349	R	DCRA	C	10 7 1967	2 10 1969	1967 1969	1830.0
67014	DEE AT CURJEN	SJ069433	R	DCRA	C	10 9 1936	13 10 1969	1967 1969	342.0
67018	DYFRDHY AT LLANWCHLILLYN	SH874308	R	DCRA	B	24 12 1968	17 10 1969	1967 1969	104.0
67801	TRYWERYN AT WEIR X	SH932360	R	DCRA	B	28 7 1960	1 10 1969	1967 1969	50.0
67803	DEE AT CHESTER WEIR	SH418663	R	DCRA	B	17 12 1968	7 10 1969	1967 1969	1040.0
67804	DEE AT LLANDERFEL	SH993371	R	DCRA	E	9 9 1935	1 10 1969	1967 1969	609.0
67805	ALFORD BROOK AT LEA HALL FARM	SJ434585	R	DCRA	E	19 3 1969	6 10 1969	1949 1969	414.0
67806	ALYN AT PONT Y MHYNWR	SJ193612	R	DCRA	E	3 8 1967	1 10 1969	1937 1969	262.0
67904	DEE AT ERBISTOCK WEIR	SJ325422	R	DCRA	E	14 1 1935	25 1 1953	1933 1969	152.0
68001	WEAVER BELOW ASHBROOK	SJ670633	R	MURA	A2	25 5 1937	2 1 1970	1962 1969	148.0
68002	GOMY AT PICTON	SJ444714	R	MURA	B	26 5 1949	6 1 1970	1962 1969	143.0
68003	DANE AT RUDHEATH	SJ668718	R	MURA	B	16 5 1949	30 12 1969	1934 1969	679.0
68004	VALLEY WISTASTON BK AT MARSHFIELD BRIDGE	SJ673552	R	MURA	A2	8 9 1935	2 1 1970	1969 1969	
68005	WEAVER AT AUDLEM	SJ652432	R	MURA	B	22 6 1936	2 1 1970	1969 1969	
68006	DANE AT HULME WALFIELD	SJ844644	R	MURA	B	14 8 1933	2 1 1970	1969 1969	
68007	WINCHAM BROOK AT LOSTOCK GRALAM	SJ698757	R	MURA	B	30 9 1960	31 12 1969	1969 1969	
68801	DANE AT CONGLETON PARK	SJ861632	R	MURA	C	20 7 1936	4 5 1953	1962 1969	
68802	SANDERSONS BROOK AT SANDBACH	SJ753653	R	RRL	A1	20 8 1964	13 8 1969	1962 1969	
68803	WEAVER AT NORTHWICH		R	BUR					
69001	MERSEY AT IRLAM WEIR	SJ726037	R	MURA	A2	29 9 1934	5 1 1970	1934 1969	

STATION	RIVER AND STATION NAME	GRID REF	TP	SOURCE	GR	MICROFILM		DAILY FLOW		AREA		
						START	END	START	END			
60002	IRWELL AT ADELPHI WEIR	SJ824988	R	MURA	C	11	11	1935	29	12	1969	559.0
60003	IRK AT SCOTLAND WEIR	SJ843092	R	MURA	A1	30	1	1939	5	1	1970	74.3
60004	ETHERON AT ROTTOMS RESERVOIR	SK022971			E							78.2
60005	GLAZEBROOK AT LITTLE WOODEN HALL	SJ684935	R	MURA	Z	5	4	1953	2	1	1970	152.0
60006	BOLLIN AT DIUNHAM MASSEY	SJ726876	R	MURA	B	14	10	1936	2	1	1970	256.0
60007	MERSEY AT ASHTON WEIR	SJ772936	R	MURA	B	4	7	1958	5	1	1970	660.0
60008	DEAN AT STANNEYLANDS	SJ846830	R	MURA	A1	29	11	1966	6	1	1970	51.8
60009	GOYT AT CHADKIRK	SJ941899	R	MURA	E							67.3
60011	MICKER BROOK AT CHEADLE	SJ855889	R	MURA	A1	28	3	1968	6	1	1970	72.3
60012	BOLLIN AT WILMSLOW	SJ850815	R	MURA	A2	1	2	1968	6	1	1970	
60013	SINDERLAND BROOK AT PARTINGTON	SJ726905	R	MURA		26	1	1968	31	12	1969	44.8
60016	ETHERON AT MELANDRA	SK005949	R	MURA		17	2	1967	31	12	1969	134.0
60801	CROAL AT FARNWORTH WEIR	SD743068	R	MURA	C	15	12	1948	5	1	1970	145.0
60802	ETHERON AT WOODHEAD	SK102998		MU	B	23	2	1937	12	1	1970	13.0
60803	ROCK AT BLACKFORD BRIDGE	SD807077	R	MURA	C	15	2	1949	5	1	1970	186.0
60804	TAME AT PORTWOOD	SJ006918	R	MURA	B	15	3	1943	6	1	1970	150.0
60805	NESSET BROOK AT LANGLEY	SJ059712	R	MURA	Z	2	1	1961	5	1	1970	0.650
60806	MUSBURY BROOK AT INTAKE	SD773212	R	RC	A2	3	1	1960	31	12	1969	3.10
60901	MEDLOCK AT RESHICK	SJ863987	R	MURA	E	5	7	1949	1	3	1960	55.9
70001	DOUGLAS AT RIVINGTON RESERVOIR	SD631119		LCMU								
70801	TAMD AT NEVURGH	SD469107	R	LRA	A1	15	2	1965	30	12	1969	82.4
70802	DOUGLAS AT WANES BLADES BRIDGE	SD476126	R	LRA	B	21	11	1966	30	12	1969	212.0
71001	RIBBLE AT SAMLESBURY	SD589304	R	LRA	A1	6	4	1960	30	12	1969	1150.0
71002	HODDER AT STOCKS RESERVOIR	SD717547		FWR	E							37.6
71003	CROASDALE BECK AT CROASDALE FLUME	SD706546	R	FWR	A1	4	6	1957	5	10	1969	10.4
71004	CALDER AT WHALLEY	SD730360	R	LRA	B	21	11	1961	2	1	1970	316.0
71005	BOTTOMS HECK AT BOTTOMS BECK FLUME	SD745565	R	FWR	A1	14	4	1960	6	10	1969	10.6
71006	RIBBLE AT HENTHORN	SD721391	R	LRA	E	16	9	1960	30	12	1969	446.0
71007	RIBBLE AT HODDER FOOT	SD709379	R	LRA	B	23	7	1965	30	12	1969	719.0
71008	HODDER AT HODDER PLACE	SD705399		LRA								
71009	RIBBLE AT JUMBLES ROCK	SD702376		LRA								
71801	PENDLE WATER AT QUAKERS IN PENDLE BRIDGE	SD840364	R	LRA	B	12	4	1968	30	12	1969	104.0
71802	RIBBLE AT HALTON WEST	SD850552	R	LRA	B	29	4	1966	2	1	1970	207.0
71803	HODDER AT HIGHER HODDER BRIDGE	SD697411	R	LRA	B	23	9	1960	2	1	1970	258.0
71804	DUNSOOP AT FOOTHOLME	SD652529	R	FWR	A2	28	12	1959	8	8	1967	24.9
72001	LUNE AT HALTON	SD502647	R	LRA	A1	5	2	1959	31	12	1969	995.0
72002	WYRE AT ST MICHAELS ON WYRE	SD465411	R	LRA	A1	14	8	1962	29	12	1969	275.0
72003	HINDBURN AT WRAY	SD605679	R	LRA	B	25	5	1967	31	12	1969	83.7
72004	LUNE AT CATON	SD529454	R	LRA	E	24	4	1968	31	12	1969	
72005	LUNE AT KILLINGTON NEW BRIDGE	SD622905		LRA								
72006	LUNE AT KIRKBY LONSDALE	SD614778	R	LRA	C	16	10	1968	31	12	1969	507.0
72008	WYRE AT GARSTANG	SD489447	R	LRA	C	4	3	1967	22	5	1969	28.5
72009	WENNING D/S OF WENNINGTON ROAD BRIDGE	SD614701		LRA								
72801	BORROW BECK AT LOW BORROW BRIDGE	NY609014	R	LRA	E	27	6	1967	29	12	1969	26.0
72802	LUNE AT TEBAY	NY614041	R	LRA	B	24	6	1968	29	12	1969	140.0
72803	LUNE AT HALTON UPPER WEIR	SD513648	R	LRA	B	1	1	1940	31	12	1969	993.0
72804	LUNE AT BROADRAINE	SD621901	R	LRA	B	2	7	1963	29	12	1969	226.0
72805	RANTHEY AT BRIG FLATTS	SD640912	R	LRA	B	21	6	1968	29	12	1969	202.0
72806	GRETA AT BURTON-IN-LONSDALE	SD653720	R	LRA	B	20	1	1964	31	12	1969	93.2
72807	WENNING AT HORNBY	SD586684	R	LRA	B	1	1	1940	31	12	1969	236.0

STATION	RIVER AND STATION NAME	GRID REF	TP	SOURCE	GR	START	MICROFILM END	DAILY FLOW START END	AREA
72808	CONDER AT CALGATE	SD482554	R	LRA	Z	17 2 1966	30 12 1969		29.8
72809	WYRE AT SCORTON WEIR	SD501500	R	LRA	B	12 1 1967	31 12 1969		88.8
72810	WYRE AT KIRKLAND WEIR	SD490430	R	LRA	E	1 3 1967	29 12 1969		144.0
72812	T.R.L GAUGE AT CLAUGHTON	SD512428	R	RRL		3 11 1965	4 8 1969		3.40
73001	LEVEN AT NEWBY BRIDGE	SD371863	R	LRA	A1	28 12 1938	30 12 1969	1965 1969	241.0
73002	CRAKE AT LOW NIBTHWAITE	SD294884	R	LRA	A1	21 8 1963	29 12 1969	1963 1969	73.0
73005	KENT AT SEDGWICK	SD508874	R	LRA	A1	14 10 1968	1 1 1970		208.0
73006	CUNSEY RECK AT EEL HOUSF BRIDGE	SD369941	R	LRA	A1	30 5 1968	30 12 1969		18.9
73007	TROUTBECK AT TROUTBECK BRIDGE	SD404006	R	LRA	A1	19 9 1967	30 12 1969		23.6
73008	BELA AT BEETHAM	SD496804							
73012	LAKE WINDERMERE	SD391057		FURA					
73013	ROTHAY AT MILLER BRIDGE HOUSE	SD371042	R	LRA	B	11 10 1965	30 12 1969		63.3
73801	BELA AT MILNTHORPE	SD489A13	R	LRA	E	13 11 1967	1 1 1970		1020.0
73802	RUSLAND POOL AT RUSLAND HALL	SD338A86	R	LRA	E	14 12 1942	29 12 1969		
73803	WINSTER AT LOBBY BRIDGE	SD424A85	R	LRA	B	30 7 1965	31 12 1969		20.7
73804	BRATHAY AT BRATHAY HALL	NY365033	R	LRA	A1	8 10 1965	30 12 1969		57.5
73805	KENT AT KENDAL	SD516019	R	LRA	A2	8 11 1963	1 1 1970		183.0
73806	FISHER TARN INFLOW	L		KGH		1 1 1930	30 6 1951		
74001	DUDDON AT DUDDON HALL	SD195A96	R	LRA	A1	14 12 1967	29 12 1969		85.2
74002	IRT AT SALESYKE	NY134038	R	CIIRA	B	8 12 1967	2 10 1969		48.0
74801	EHEN AT LAKE ENNERDALE	NY083154	R	CIIRA	D	7 6 1968	6 10 1969		45.0
75001	ST JOHNS BECK AT THIRLMERE RESERVOIR	NY309191		MCW				1935 1968	40.9
75002	DERWENT AT CAMERTON	NY037305	R	CIIRA	A1	12 8 1960	1 10 1969	1961 1969	663.0
75003	DERWENT AT OUSE BRIDGE	NY198321	R	CIIRA	A1	21 2 1968	2 10 1969		360.0
75004	COCKER AT SOUTHWAITE BRIDGE	NY131281	R	CIIRA	E	5 4 1967	2 10 1969		117.0
75006	NEWLANDS BECK AT BRAITHWAITE	NY240239	R	CIIRA	C	16 8 1968	2 10 1969		33.9
75007	GLENDERWACHIN AT THRELKELD	NY323248	R	CIIRA	A1	1 10 1958	8 10 1969		64.5
76001	HAWESWATER BECK AT THORTHWAITE	NY515161	R	MCW	A1	13 11 1959	1 10 1969	1953 1969	33.9
76002	EDEN AT WARWICK BRIDGE	NY471567	R	CIIRA	A1	20 4 1961	1 10 1969	1966 1969	1370.0
76003	EAMONT AT UDFORD	NY575305	R	CIIRA	B	27 7 1962	1 10 1969	1961 1969	396.0
76004	LOUTHER AT EAMONT BRIDGE	NY525285	R	CIIRA	B	1 5 1964	1 10 1969	1962 1965	159.0
76005	EDEN AT TEMPLE SOMERBY	NY604282	R	CIIRA	B	3 2 1967	2 10 1969	1964 1969	617.0
76007	EDEN AT SHEPPMOUNT	NY390571	R	CIIRA	B	15 8 1967	1 10 1969		2290.0
76008	IRTHING AT GREENHOLME	NY487583	R	CIIRA	B	30 4 1968	2 10 1969		335.0
76009	CALDEW AT HOLME HILL	NY378469	R	CIIRA	A2	21 2 1967	2 6 1971		147.0
76011	COAL BURN AT COALBURN	NY693777	R	SRE	F	4 1 1939	6 8 1965		1.52
76801	KING WATER AT SPADEADAM	NY612699	R	MCW	A1	24 8 1961	1 10 1969	1963 1969	842.0
76802	LOUTHER AT CRAGGS MILL	NY550120	R	CIIRA	A1	5 10 1962	4 10 1969	1963 1965	495.0
77001	ESK AT NETHERBY	NY390718	R	CIIRA	A1	12 4 1945	1 4 1970	1958 1961	730.0
77011	ESK AT CANONBIE	NY397751	R	SRPB	B	15 11 1960	2 4 1970	1963 1965	143.0
78001	ANNAN AT ST MUNGO'S MANSE	NY125755	R	DAFS	E	16 8 1967	1 10 1969		925.0
78002	AE AT ELSHIESHIELDS	NY068852	R	SRPB	E	23 11 1960	2 4 1970		76.1
78003	ANNAN AT BRVDEKIRK	NY191704	R	SRPB	B	5 12 1938	4 4 1970	1967 1968	799.0
78004	KINNEL AT REDHALL	NY078A68	R	DAFS	B	15 10 1959	5 4 1970	1957 1965	153.0
79001	AFTON WATER AT AFTON RESERVOIR	NS632047	R	ARUB	Z	20 9 1963	2 6 1970	1963 1965	142.0
79002	NITH AT FRIARS CARSE	NX923A51	R	DAFS	B	7 10 1963	26 9 1970	1963 1965	238.0
79003	NITH AT HALL BRIDGE	NS684129	R	DAFS	B	24 5 1967	6 10 1969		471.0
79004	SCAR AT CAPENOCH	NX845940	R	DAFS	B				
79005	CLUDEN AT FIDDLERS FORD	NX928795	R	DAFS	A2				
79006	NITH AT DRUMLANRIG	NX858994	R	SRPB	B				

STATION	RIVER AND STATION NAME	GRID REF	TP	SOURCE	GR	START	MICROFILM END	DAILY FLOW START END	AREA
70801	LOCHAR WATER AT BANKEND	NY0296A5	L	DAFS	E				
70802	NITH AT BROOMRIG	NX973793	R	SRPB	E				
70803	EUCHAN WATER AT EUCHAN WEIR	NS729071	R	SWSWB	Z	20 8 1953	28 1 1971		199.0
80001	URR AT DALBATTIE	NX822610	R	SRPB	B	29 10 1963	3 10 1969		18.2
80801	PULLAUGH BURN DIVERSION WORKS	NX544742	R	SSFB	A	13 12 1961	5 10 1970		
80901	DEE AT DIVERSION WORKS		R	SSFB	Z				
81001	PENMHIRN BURN AT PENMHIRN RESERVOIR	NX125694	R	SWSWB	Z			1967 1968	
81002	CREE AT NEWTON STEWART	NX412653	R	SRPB	B	24 4 1963	6 10 1969		370.0
81003	LUCE AT AIRVHEMING	NX180599	R	SRPB	B	15 12 1966	3 10 1969		171.0
82001	GIRVAN AT ROBSTONE	NX217997	R	DAFS	B	4 9 1963	29 9 1970		246.0
83001	CAAF WATER AT KNOCKENDON RES	NS243514	R	ARWB	Z	31 8 1953	15 9 1969		4.87
83002	GARNOCK AT DALRY	NS293688	R	DAFS	A	9 10 1959	23 9 1970		88.8
83801	IRVINE AT NEWMILNS	NS532372	R	DAFS	E	14 10 1959	1 10 1970		72.8
83802	IRVINE AT KILMARNOCK	NS430369	R	GRK	B	29 8 1913	9 11 1970		218.0
84001	KELVIN AT KILLERMONT	NS558705	R	DAFS	B	18 10 1946	12 7 1969		334.0
84002	CALDER WATER AT MUIRSHIFL	NS309638	R	LWUB	A2	18 3 1952	17 3 1969		12.4
84003	CLYDE AT HAZELBANK	NS835452	R	DAFS	A1	27 9 1955	7 7 1969		1090.0
84004	CLYDE AT SILLS	NS927424	R	DAFS	A1	1 10 1955	14 7 1969		742.0
84005	CLYDE AT BLAIRSTON	NS704579	R	DAFS	A1	30 9 1955	6 10 1969		1710.0
84006	KELVIN AT BRIDGEND	NS672749	R	CRPB	B	15 8 1956	19 8 1969		63.7
84007	SOUTH CALDER AT FORGEWOOD	NS750585	R	CRPB	A1	20 1 1965	6 10 1969		93.0
84008	ROTTEN CALDER AT RED LEFS	NS670604	R	CRPB	A1	27 9 1966	6 10 1969		51.3
84009	NETHAN AT KIRKMUIRHILL	NS809428	R	CRPB	A1	31 10 1966	6 10 1969		66.0
84011	GRYFE AT CRAIGEND	NS416664	R	CRPB	B	26 9 1963	6 10 1969		71.0
84012	WHITE CART AT HAMKHEAD	NS499629	R	CRPB	B	27 8 1963	6 10 1969	1963 1965	235.0
84013	CLYDE AT DALDOWIE	NS672616	R	CRPB	A1	23 5 1963	6 10 1969		1900.0
84014	AVON AT FAIRHOLM	NS755518	R	CRPB	B	15 1 1964	6 10 1969		266.0
84015	KELVIN AT DRYFIELD	NS638739	R	DAFS	B	25 10 1946	1 10 1969		235.0
84016	LUGGIE WATER AT COMDURRAT	NS730725	R	CRPB	B	27 9 1966	6 10 1969		33.9
84017	BLACK CART AT MILLIKEN PARK	NS411620	R	CRPB	B	4 12 1967	6 10 1969		103.0
84018	CLYDE AT TULLIFORD MILL	NS893605	R	CRPB	E	20 12 1968	6 10 1969		933.0
84801	LUGGIE AT OXGANG	NS665734	R	CRPB	E	27 11 1946	19 8 1969		32.8
84802	ALLANDER AT MILNGAVIE	NS558735	R	CRPB	E	27 7 1956	15 8 1969		130.0
84803	NORTH CALDER AT CALDER PARK	NS681625	R	CRPB	B	18 12 1962	30 9 1969		136.0
84804	GLAZERT WATER AT MILTON OF CAMPSIE	NS656763	R	CRPB	E	30 9 1968	6 10 1969		110.0
84805	DUNEATON AT MAIDENCOTS	NS929239	R	CRPB	E				
84806	CLYDE AT CAMBUSNETHAN	NS786522	R	DAFS	B	27 9 1955	24 10 1964		1260.0
84807	WHITE CART AT NETHERLEE	NS587597	R	CRPB	Z	1 6 1967	1 11 1969		91.6
84808	NORTH CALDER AT CALPERRANK	NS765625	R	CRPB	Z	29 7 1968	6 10 1969		60.6
84901	CLYDE AT DAER	NS975090	R	DAFS	E				
84902	CLYDE AT TULLIFORD		L		Z			1963 1965	
85001	LEVEN AT LINNBRANE	NS394803	R	CRPB	A1	28 6 1963	6 10 1969		786.0
85002	ENDRICK WATER AT GAI DREW	NS485866	R	CRPB	B	26 9 1963	6 10 1969		280.0
85003	FALLOCH AT GLEN FALLOCH	NN321197	R	CRPB	E				80.3
85801	ENDRICK WATER DIVERSION AT ENDRICK FLUME	NS677858	R	MSUB	Z	4 6 1959	27 11 1969		16.2
85803	ENDRICK WATER AT RANDIFORD WEIR	NS674859	R	MSUB	Z	4 6 1959	27 11 1969		30.8
86001	LITTLE EACHAIG AT DALINLONGART	NS143821	R	CRPB	B	1 12 1967	13 10 1969		160.0
86002	EACHAIG AT ECKFORD	NS140863	R	CRPB	A1	1 12 1967	15 10 1969		
86801	GARVIE BURN AT COWAL			NSHEB	Z				
86802	BALLIEMORE AT COWAL			NSHEB	Z				

STATION	RIVER AND STATION NAME	GRID REF	TP	SOURCE	GR	MICROFILM START	END	DAILY FLOW START	END	AREA			
87801	ALLT UATNE AT INTAKE	NN263113	R	NSHEB	A2	1	9	1950	30	4	1969	3.13	
88801	ADD (LOCH GLASHAN SCHEME)			NSHEB	Z								
89801	LOCH AWE AT CRUACHAN	NN07 26	R	NSHEB	Z	18	2	1966	8	1	1970	50.5	
89802	LINNE NAM BEATHACH AT VICTORIA BRIDGE	NN272422	R	NSHEB	C	26	9	1968	7	1	1970	251.0	
89803	ORCHY AT FALLS OF ORCHY	NN239310	R	NSHEB	C	14	12	1966	8	1	1970	36.9	
89804	STRAE AT DUILLETTER	NN146294	R	NSHEB	C	18	12	1966	8	1	1970	47.7	
89805	LOCHY AT INVERLOCHY	NN196275	R	NSHEB	C	5	12	1966	13	1	1970	32.1	
89806	AVICH AT BARNALINE LODGE	NM969139	R	NSHEB	C	7	12	1966	8	1	1970	24.1	
89807	ABHAINN A BHEALAICH	NM957076	R	NSHEB	C								
90001	LEVEN AT BLACKWATER RESERVOIR	NN202604		BAC	Z								
90801	NEVIS AT ACHREOCH	NN167690	R	NSHEB	B	16	2	1956	21	11	1966	46.6	
90802	NEVIS AT NEVIS BRIDGE	NN114743		NSHEB	Z							76.6	
91001	LOCHY AT LOCHABER	NN126752		BAC	Z								
91801	LOCH ARKAIG AT ACHNACARRY	NN170884		RFR	Z	18	9	1933	3	8	1940	6.47	
91802	ALLY LEACHDACH AT INTAKE	NN261791	R	BAC	A2	28	12	1938	28	12	1970		
91901	MUCOMIR CUT AT GAIRLOCHY	NN179843		NSHEB	Z	6	11	1936	1	1	1943		
94801	EWE AT POOLEWE	NG859802	R	NSHEB	C	2	3	1963	28	12	1969	441.0	
95801	LITTLE GRUINARD AT LITTLE GRUINARD	NG944897	R	NSHEB	C	15	11	1962	11	2	1968	82.1	
95802	GRUINARD AT INCHINA	NG965906	R	NSHEB	Z	15	11	1962	20	3	1968	154.0	
95803	ABHAIN CUILEG AT BRAEMORE	NH193790	R	NSHEB	B	5	3	1963	1	5	1968	67.3	
97001	CALDER BURN AT ACHAVARN	ND085596		CCC	Z						1967	1968	
97801	THURSO AT HALKIRK	ND124894		DAFS	Z								
101001	YAR AT ALVERSTONE MILL	SZ577857		IOW	E	1	7	1957	4	10	1969	37.5	
101002	MEDINA AT UPPER SHIDE	SZ503874		IOW	E	5	5	1960	16	7	1969	29.8	
101003	LUKELY BROOK AT NEWPORT	S7491885		IOW	E								
103801	WEST BALDWIN RESERVOIR	SC361834		IOW	Z								
201001	WOODBURN RED AREA	IJ362888		BCWC	E	18	6	1959	4	1	1971		
201002	WOODBURN BLUE AREA	IJ365890		BCWC	E	15	6	1959	11	1	1971		
201003	WOODBURN GREEN AREA	IJ372899		BCWC	E	22	6	1959	4	1	1971		
201004	WOODBURN CONTROL AREA	IJ372899		BCWC	A1	21	9	1959	11	1	1971	0.270	
201005	BANN AT MOVANAGHER WEIR	IC924160		MFNI	E								
201006	ANNALONG AT RECORDER	IJ349232	R	BCWC	A2							13.8	
303001	BANDON AT BANDON BRIDGE	IW493353	R	OPW	B	25	7	1960	30	9	1970	406.0	
304004	FIGHTLE AT CLONBULLOGUE BRIDGE	IN610234	R	OPW	A1	8	8	1958	30	9	1970	261.0	
304005	BARROW AT PORTARLINGTON	IN540128	R	OPW	A1	19	5	1955	30	9	1970	369.0	
304006	BARROW AT PASS BRIDGE	IN621109	R	OPW	A1	8	9	1954	30	9	1970	1060.0	
304018	BARROW AT ROYAL OAK BRIDGE	IS690643	R	OPW	A2	1	10	1954	30	9	1970	2400.0	
304019	BARROW AT LEVITSTOWN LOCK BRIDGE	IS700867	R	OPW	A2	1	10	1954	30	9	1970	1660.0	
305001	BRIDE AT MCGEELY BRIDGE	IW955941	R	OPW	C	1	10	1956	30	9	1970	332.0	
305002	MUNSTER BLACKWATER AT RALLYDUFF	IW964901	R	OPW	C	19	9	1955	30	9	1970	2330.0	
305003	MUNSTER BLACKWATER AT KILAVHILLEN	IW648998	R	OPW	B	1	10	1955	30	9	1970	1250.0	
305004	AWBEG AT BALLYNAMONA BRIDGE	IR657074	R	OPW	C	1	9	1955	1	9	1970	313.0	
305005	FUMSHION AT DOWNING BRIDGE	IR824018	R	OPW	B	12	9	1955	30	9	1970	375.0	
307001	BONET AT DROMAHAIR BRIDGE	IG802313	R	OPW	B	1	10	1957	30	9	1970	294.0	
308002	BOYLE AT TINNECARRA HOUSE	IG768019	R	OPW	A1	1	12	1952	1	10	1970	499.0	
308003	LUNG AT BANADA	IM633944	R	OPW	B	1	10	1955	30	9	1970	208.0	
309001	ATHROY AT TRIMBLESTOWN BRIDGE	IN756576	R	OPW	A1	15	9	1953	30	9	1970	150.0	
309002	DEEL AT KILLYON BRIDGE	IN690494	R	OPW	A1	7	8	1953	30	9	1970	285.0	
309003	ENFIELD BLACKWATER AT CASTLERICKARD BR	IN717489	R	OPW	B	7	8	1953	30	9	1970	179.0	
309004	KELLS BLACKWATER AT STRAMATT BRIDGE	IN630832	R	OPW	B	15	10	1956	30	9	1970	256.0	

STATION	RIVER AND STATION NAME	GRID REF	TP	SOURCE	GR	START	END	DAILY FLOW START END	AREA
31005	BOYNE AT TRIM TOWN BRIDGE	IN801569	R	OPW	A1	15 11 1952	30 9 1970		1280.0
31006	MOYNALTY AT FVANSTOWN BRIDGE	IN790757	R	OPW	A1	5 11 1956	30 9 1970		179.0
31007	BOYNE AT BOYNE AQUEDUCT	IN692451	R	OPW	A1	5 8 1953	30 9 1970		432.0
31008	STONYFORD AT EARL'S BRIDGE	IN693560	R	OPW	A1	7 8 1953	2 10 1970		134.0
31009	BOYNE AT NAVAN DUBLIN ROAD	IN877669	R	OPW	B	8 8 1954	30 9 1970		1610.0
31010	KELLS BLACKWATER AT LISCARTON	IN846689	R	OPW	A1	1 10 1953	30 9 1970		717.0
31011	KELLS BLACKWATER AT O'DALY'S BRIDGE	IN652802	R	OPW	A1	1 10 1958	12 10 1970		294.0
31080	BOYNE AT SLANE	IN945738	R	ESR	R	1 10 1940	30 9 1970		2490.0
311001	SILVER AT HILLBROOK BRIDGE	IN136187	R	OPW	A1	1 10 1951	30 9 1970		165.0
311003	CLODIAUGH AT RAHAN BRIDGE	IN256236	R	OPW	B	5 8 1951	30 9 1970		274.0
311006	BROSNA AT FERBANE BRIDGE	IN115245	R	OPW	A1	1 10 1953	30 9 1970		1210.0
313001	CAMLIN AT MULLAGH BRIDGE	IN116759	R	OPW	A1	1 10 1953	30 9 1970		262.0
313002	CAMLIN AT ARGAR BRIDGE	IN180794	R	OPW	B	1 10 1957	30 9 1970		126.0
313003	FALLON AT KILMORE BRIDGE	IN074753	R	OPW	A1	1 10 1957	30 9 1970		65.0
315001	AILLE AT CARTROBOWER BRIDGE	IN135779	R	OPW	B	1 10 1952	30 9 1970		924.0
319002	ERNE AT SALLAGHAN BRIDGE	IN327031	R	OPW	A2	1 10 1956	1 10 1970		263.0
319005	FINN AT ANLOR BRIDGE	IN540255	R	OPW	B	1 10 1957	1 10 1970		155.0
319006	ANNALEE AT RATHKENNY BRIDGE	IN538116	R	OPW	B	1 10 1956	1 10 1970		525.0
319000	ERNE AT BELTUBBET PUMP HOUSE	IN361170	R	OPW	A1	1 10 1958	1 10 1970		1500.0
319010	ANNALEE AT RUTLER'S BRIDGE	IN409106	R	OPW	B	1 10 1955	1 10 1970		777.0
322001	FANE AT INWISKEEN BRIDGE	IN920077	R	OPW	A2	1 10 1957	30 9 1970		230.0
322002	FANE AT CLAREBANE BRIDGE	IN875142	R	OPW	A1	1 10 1957	30 9 1970		163.0
323002	FEALE AT LISTOUEL BRIDGE	IN995332	R	OPW	A1	1 10 1946	30 9 1970		633.0
324002	FERGUS AT BALLYCOREY BRIDGE	IN346806	R	OPW	A1	24 11 1958	30 9 1970		547.0
324003	FERGUS AT COROFIN BRIDGE	IN286886	R	OPW	A1	1 10 1957	30 9 1970		155.0
327001	GLYE AT MANSFIELDSTOWN BRIDGE	IN985953	R	OPW	B	1 10 1955	1 10 1970		314.0
327003	DEE AT PROMGOOLESTOWN BRIDGE	IN029909	R	OPW	A1	1 10 1956	30 9 1970		302.0
327033	DEE AT RURLEY BRIDGE	IN924896	R	OPW	A2	1 10 1959	1 10 1970		176.0
327036	GLYE AT ACLINT BRIDGE	IN933083	R	OPW	B	1 10 1959	30 9 1970		944.0
328001	GRANEY AT SCARRIFF BRIDGE	IN643843	R	OPW	A1	1 10 1957	30 9 1970		264.0
331001	INNIV AT BALLYMAHON BRIDGE	IN158568	R	OPW	A2	1 10 1953	30 9 1958		1040.0
331003	INNIV AT BALLYCORKEY BRIDGE	IN312638	R	OPW	B	1 10 1952	30 9 1958		735.0
331005	INNIV AT CANNAGH BRIDGE	IN393755	R	OPW	C	1 10 1952	1 10 1958		368.0
331006	INNIV AT FINNEA BRIDGE	IN403816	R	OPW	B	1 10 1952	30 9 1958		249.0
332001	CAPPAGH AT CAPPAGH BRIDGE	IN72056	R	OPW	B	20 4 1955	30 9 1962		131.0
332002	KILCROW AT MOAT BRIDGE	IN799101	R	OPW	C	19 4 1955	30 9 1962		994.0
336001	LEE AT BALLYCARTY BRIDGE	IN891127	R	OPW	C	1 10 1963	30 9 1970		23.0
337001	RYEWATER AT LEIXLIP	IN004366	R	OPW	B	1 10 1956	30 9 1968		206.0
338002	CAMCOR AT SYNGEFIELD BRIDGE	IN080046	R	OPW	B	1 10 1953	30 9 1970		158.0
338003	LITTLE ROSNA AT MILLTOWN BRIDGE	IS068908	R	OPW	A1	30 9 1953	30 9 1969		115.0
339001	MAIGUE AT CROOM BRIDGE	IR515410	R	OPW	B	25 11 1953	30 9 1970		779.0
339003	LOOBAGH AT GAROSE BRIDGE	IR551277	R	OPW	A1	1 10 1956	30 9 1970		130.0
339005	MORNING STAR AT ATHLACCA BRIDGE	IR558343	R	OPW	A1	24 10 1953	30 9 1970		147.0
340003	MAINE AT RIVERVILLE BR POST-DRAINAGE	IO926061	R	OPW	B	1 10 1962	30 9 1970		271.0
340903	MAINE AT RIVERVILLE BR PRE-DRAINAGE	IO926061	R	OPW	B	1 10 1947	30 9 1959		271.0
343002	MOY AT COOLCRONAN HOUSE	IG263104	R	OPW	A2	27 10 1951	30 9 1963		1870.0
343005	GWEESTION AT SCARROWAGHERAGH BRIDGE	IM340976	R	OPW	C	1 10 1952	30 9 1965		319.0
343007	DEEL AT BALLYCARROON FORD	IG121162	R	OPW	B	1 10 1952	30 9 1970		161.0
343010	MOY AT CLOONACANNANA BRIDGE	IG389023	R	OPW	A2	1 10 1954	30 9 1967		486.0
343013	MOY AT BANADA BRIDGE	IG465101	R	OPW	B	1 10 1952	1 10 1965		185.0

STATION	RIVER AND STATION NAME	GRID REF	TP	SOURCE	GR	START	END	DAILY FLOW START	DAILY FLOW END	AREA
344001	MULKEAR AT ANACOTTY BRIDGE	IR644575	R	OPW	B	1 10 1953	30 9 1970			648.0
344002	KILLENGARRIFF AT BARRINGTON'S BRIDGE	IR670548	R	OPW	A2	1 10 1953	30 9 1970			223.0
344003	MULKEAR AT ABBINGTON BRIDGE	IR717534	R	OPW	B	1 10 1954	30 9 1970			397.0
344004	BILROA AT NEWBRIDGE	IR787488	R	OPW	B	1 10 1954	30 9 1970			122.0
344005	DEAD AT SUNVILLE BRIDGE	IR777477	R	OPW	B	1 10 1954	30 9 1970			193.0
346003	OLLATRIM AT GOURDEEN BRIDGE	IR887797	R	OPW	A1	1 10 1962	30 9 1970			117.0
346004	NENAGH AT CLARIANNA BRIDGE	IR862823	R	OPW	A1	1 10 1960	30 9 1970			293.0
347001	KING'S RIVER AT ANNAMULT BRIDGE	IS541443	R	OPW	A2	9 9 1954	30 9 1970			413.0
347002	NORE AT JOHNS BRIDGE	IS508559	R	OPW	A2	1 1 1954	30 9 1970			1520.0
347003	DININ AT DININ BRIDGE	IS470628	R	OPW	B	28 10 1953	30 9 1970			296.0
347004	NORE AT MCMAHON'S BRIDGE	IS418797	R	OPW	B	1 10 1954	30 9 1970			482.0
347005	GOUL-ERKINA AT DURROW FOOTBRIDGE	IS400774	R	OPW	A1	1 10 1954	30 9 1970			386.0
347006	NORE AT BROWNSBARN BRIDGE	IS618391	R	OPW	B	24 10 1953	30 9 1970			2290.0
347007	NORE AT MOUNTRATH RLY BRIDGE	IS365897	R	OPW	B	1 10 1953	30 9 1970			327.0
347008	NORE AT BORRIS IN OSSORY	IS240880	R	OPW	B	1 10 1954	30 9 1970			105.0
347009	KINGS RIVER AT CALLAN	IS414438	R	OPW	C	1 10 1956	30 9 1970			217.0
348001	OWENBOY AT RALLEA UPPER BRIDGE	14709633	R	OPW	A1	1 10 1956	30 9 1970			97.6
352001	OWENMORE AT BALLYNACARROW BRIDGE	IG643226	R	OPW	A1	1 10 1956	30 9 1970			306.0
352003	OWENMORE AT BALLYGRANIA BRIDGE	IG695259	R	OPW	A1	1 10 1955	30 9 1970			204.0
352004	OWENMORE AT BIG BRIDGE	IG663124	R	OPW	C	1 10 1956	30 9 1970			103.0
353001	OWENURE AT BELLAVAHAN BRIDGE	IM052864	R	OPW	A1	1 10 1956	30 9 1970			119.0
355001	RINN AT JOHNSTON'S BRIDGE	IN090865	R	OPW	B	1 10 1955	30 9 1970			291.0
355002	BLACK AT BELLANTRA BRIDGE	IN128894	R	OPW	C	1 10 1957	30 9 1970			97.0
355003	CLOONE AT RIVERSTOWN BRIDGE	IM120980	R	OPW	C	1 10 1958	30 9 1970			99.0
356001	BALLYFINBOY AT BALLYHOONEY RR	IR863938	R	OPW	A1	1 10 1957	30 9 1970			157.0
359001	SHIVEN AT BALLINAMORE BRIDGE	IM760488	R	OPW	A1	1 10 1952	30 9 1970			229.0
359002	SUCK AT ROCKWOOD HOUSE	IM808570	R	OPW	A1	1 10 1952	30 9 1970			623.0
359003	BUNOMEN AT RALLINRUANE BRIDGE	IM791367	R	OPW	A2	1 10 1954	30 9 1970			99.0
359005	SUCK AT DERRYSCHILL BRIDGE	IM826425	R	OPW	A1	16 9 1954	30 9 1970			1050.0
359007	SUCK AT BELLAGILL BRIDGE	IM842347	R	OPW	A1	1 10 1952	30 9 1970			1160.0
360002	SUIR AT BEAKSTOWN LODGE	IS093555	R	OPW	B	1 10 1954	30 9 1970			762.0
360003	CLODIAGH AT RATHKENNAN BRIDGE	IS052530	R	OPW	B	11 9 1954	30 9 1970			244.0
360007	AHERLOW AT KILLARDRY BRIDGE	IS017295	R	OPW	B	1 9 1954	30 9 1970			274.0
360008	SUIR AT NEW BRIDGE	IS000342	R	OPW	A1	1 10 1953	30 9 1970			1090.0
360009	SUIR AT CAHIR HOUSE	IS050255	R	OPW	A1	1 10 1953	30 9 1970			1550.0
360011	SUIR AT GASHOUSE BRIDGE CLONMEL	IS207223	R	OPW	A1	1 10 1953	30 9 1970			2160.0
390806	LEE AT INNISCARRA	14560720	R	ESA	A	1 10 1942	30 9 1956			793.0
390807	LEE AT DROMICARRA	14296675	R	ESA	A	1 10 1947	30 9 1970			168.0
391801	OWENGARIFF AT TORC WEIR	14967838	R	ESA	B	1 10 1942	30 9 1970			8.00
392805	CUMMERAGH AT CUMMERAGH WEIR	14546695	R	ESA	B	1 10 1942	30 9 1970			47.0
393803	AVONMORE AT LARAGH	14146065	R	ESA	B	1 10 1945	30 9 1970			107.0
394808	LACKAGH AT LACKAGH BRIDGE	14095297	R	ESA	B	1 10 1945	30 9 1970			123.0
395802	OWENGLIN AT CLIFDEN	14670504	R	ESA	B	1 10 1950	30 9 1970			31.0
396804	ESKE AT COKE BRIDGE	16967817	R	ESA	A	1 10 1951	30 9 1970			80.0

CATCHMENT CHARACTERISTICS

STATION	MSL	DVE	S1085	TAVSLO	ST:FRQ	SAAR	M52:D	\$:DBAR	RSMD	SOIL1	SOIL2	SOIL3	SOIL4	SOIL5	SOIL	URBAN	LAKE
3801	16.55	.052	16.02	0.27	0.54	2628	153.0	1.0	71.7	0.00	0.00	0.00	0.00	1.00	1.00	.500	.000 0.324
3803	17.62	.062	11.04	10.08	0.37	1347	67.5	3.0	39.3	0.00	0.00	0.00	0.00	1.00	1.00	.500	.000 0.146
3804	12.39	.063	20.86	7.08		2512											
3901	42.50	.014	0.77	2.00	0.80	1514	79.3	2.5	58.2	0.00	0.00	0.00	0.00	1.00	1.00	.500	.000 0.944
4001	52.55	.012	6.70	4.67	0.91	1758	82.3	3.5	60.8	0.00	0.09	0.00	0.00	0.91	0.91	.483	.000 0.449
5901	61.69	.037	3.79	2.51	1.20	2139	101.0	4.0	56.0	0.00	0.03	0.00	0.00	0.97	0.97	.495	.000 0.518
6901	104.61	.005	2.17	0.86	1.23	1824	81.3	4.9	54.4	0.00	0.31	0.13	0.00	0.56	0.56	.425	.000 0.938
6903	46.38	.031	4.23	3.08	1.27	2321	108.0	2.6	80.8	0.00	0.00	0.07	0.00	0.93	0.93	.493	.000 0.352
6904	49.80	.011	2.83	1.62	2.29	2684	138.0	1.0	85.0	0.00	0.00	0.03	0.00	0.92	0.92	.497	.000 0.000
6906	11.83	.093	33.27	27.91	0.76	1689	75.0	5.0	63.5	0.00	0.00	0.00	0.00	1.00	1.00	.500	.000 0.000
7001	47.32	.007	9.30	7.61	0.90	1337	70.9	5.7	57.1	0.00	0.00	0.00	0.00	1.00	1.00	.500	.000 0.165
7002	92.15	.003	5.71	5.68	0.72	1202	72.9	7.6	50.7	0.00	0.36	0.00	0.00	0.64	0.64	.429	.000 0.088
7003	32.58	.036	10.90	8.68	0.63	864	71.5	8.8	47.1	0.00	0.66	0.03	0.00	0.31	0.31	.366	.000 0.000
8001	136.92	.006	1.74	1.61	0.98	1168	71.6	5.4	49.6	0.00	0.19	0.01	0.01	0.80	0.80	.462	.003 0.051
8002	64.44	.013	2.36	1.65	1.18	1364	76.8	5.0	53.2	0.00	0.02	0.00	0.00	0.94	0.94	.494	.004 0.066
8003	47.20	.017	3.07	2.44	1.24	1448	71.6	5.0	59.8	0.00	0.00	0.00	0.00	0.97	0.97	.499	.004 0.022
8004	59.06	.012	10.55	8.37	1.44	1119	73.9	5.8	53.4	0.00	0.26	0.00	0.00	0.74	0.74	.449	.002 0.000
8005	80.22	.010	2.25	1.44	1.02	1311	72.0	5.0	46.4	0.00	0.43	0.00	0.16	0.41	0.41	.407	.006 0.106
8006	151.04	.005	1.83	1.69	1.00	1153	71.2	5.5	43.9	0.00	0.20	0.00	0.00	0.78	0.78	.459	.006 0.047
8007	37.33	.023	3.58	4.45	1.19	1491	76.7	5.0	50.5	0.00	0.00	0.00	0.00	1.00	1.00	.500	.000 0.014
8008	26.66	.064	9.89	10.45	2.61	1460	70.6	5.0	52.2	0.00	0.00	0.00	0.00	1.00	1.00	.500	.000 0.419
8009	37.43	.009	9.94	6.86	0.49	1101	65.0	5.4	51.0	0.00	0.21	0.00	0.00	0.79	0.79	.458	.000 0.000
8010	95.12	.009	2.17	1.60	0.86	1237	71.4	5.1	45.8	0.00	0.13	0.01	0.02	0.84	0.84	.471	.003 0.077
0001	34.05	.035	5.42	4.59	1.11	991	76.3	7.0	48.6	0.00	0.72	0.00	0.09	0.19	0.19	.351	.011 0.000
0002	64.74	.018	2.94	2.81	0.44	940	71.6	8.5	45.1	0.00	0.62	0.00	0.23	0.15	0.15	.364	.012 0.000
0801	11.33	.097				1087	87.5										
1001	41.74	.041	3.48	2.91	0.38	881	72.5	9.0	42.6	0.00	0.92	0.08	0.00	0.00	0.00	.308	.000 0.000
12001	116.27	.010	3.94	3.72	0.47	1166	71.1	5.2	52.2	0.00	0.33	0.01	0.00	0.66	0.66	.433	.005 0.052
15001	23.41	.039	13.12	13.02	0.91	1427	90.4	5.0	58.2	0.00	0.00	0.00	0.06	0.94	0.94	.497	.000 0.000
15002	11.14	.101	24.91	26.86	0.45	1288	72.5	5.0	54.0	0.00	0.00	0.00	0.00	1.00	1.00	.500	.000 0.000
15003	98.26	.004	1.52	1.07	1.18	1668	87.2	3.5	55.4	0.00	0.00	0.07	0.10	0.83	0.83	.488	.004 0.425
15004	11.65	.003	13.55	11.05	0.61	1107	74.2	5.0	53.1	0.00	0.14	0.00	0.00	0.86	0.86	.471	.000 0.000
15005	16.74	.042	14.82	14.32	0.37	1166	69.7	5.0	31.8	0.00	0.00	0.00	0.27	0.73	0.73	.486	.000 0.000
15006	109.88	.004	1.38	1.14	0.96	1471	78.8	4.0	52.0	0.00	0.04	0.14	0.12	0.71	0.71	.473	.005 0.324
15007	71.28	.006	2.33	1.35	1.47	1946	99.4	2.6	60.2	0.00	0.00	0.00	0.12	0.88	0.88	.494	.004 0.551
15008	9.34	.136	28.38	26.55	0.39	879	61.0	7.2	47.4	0.00	0.26	0.74	0.00	0.00	0.00	.374	.018 0.000
15808	6.49	.090	67.00	60.04	2.65	1839	87.5	3.0	58.0	0.00	0.00	0.00	0.73	0.27	0.27	.464	.000 0.000
15809	9.37	.160	28.37	26.54	0.60	1211	90.6	3.0	55.0	0.00	0.25	0.00	0.00	0.75	0.75	.450	.000 0.000
16001	49.18	.014	2.19	2.71	0.95	1608	81.0	3.9	52.2	0.00	0.02	0.59	0.11	0.27	0.27	.430	.012 0.279
16002	24.68	.027	6.53	3.30	1.03	1859	80.0	3.0	57.6	0.00	0.00	0.35	0.37	0.21	0.21	.443	.011 0.724
16002	20.82	.038	23.46	20.89	1.84	2059	96.6	3.0	58.8	0.00	0.00	0.17	0.00	0.83	0.83	.483	.000 0.000
18001	24.21	.022	16.70	6.99	1.12	1381	77.3	4.2	50.9	0.00	0.00	0.57	0.00	0.43	0.43	.443	.000 0.078
18002	35.87	.581	10.35	6.87	1.64	1273	76.5	5.4	53.3	0.00	0.00	0.60	0.08	0.32	0.32	.436	.042 0.149
18003	50.54	.008	2.61	1.28	2.30	1907	96.6	2.6	60.4	0.00	0.00	0.00	0.19	0.81	0.81	.491	.003 0.319
19001	44.61	.017	4.87	5.19	0.75	914	63.3	7.7	36.4	0.00	0.00	0.00	0.81	0.19	0.19	.459	.114 0.040
19002	17.89	.041	5.06	4.86	1.07	1062	65.0	5.8	41.3	0.00	0.00	0.00	1.00	0.00	0.00	.450	.144 0.000
19003	18.57	.054	7.75	6.50	1.27	980	57.5	5.4	55.9	0.00	0.00	0.00	0.46	0.54	0.54	.477	.182 0.000
19004	23.76	.063	8.67	7.10	1.43	1003	66.5	6.2	41.2	0.00	0.00	0.52	0.35	0.13	0.13	.431	.077 0.096
19005	30.24	.025	5.49	5.06	1.02	968	65.5	6.0	39.9	0.00	0.00	0.00	0.73	0.25	0.25	.462	.099 0.065
19006	31.70	.015	9.50	8.46	1.24	935	63.4	9.0	36.1	0.00	0.00	0.00	0.37	0.22	0.22	.469	.459 0.248

CATCHMENT CHARACTERISTICS

STATION	MSL	UVE	S1085	TAYSLO	STMFRQ	SAAR	MS2D	SMDBAR	RSMD	SOIL1	SOIL2	SOIL3	SOIL4	SOIL5	SOIL	URBAN	LAKE
19007	44.99	.037	8.22	7.08	1.25	891	59.6	8.6	33.1	0.00	0.00	0.42	0.52	0.06	.432	.106	0.120
19008	20.86	.018	16.38	16.86	1.61	921	59.5	7.8	34.6	0.00	0.00	0.73	0.22	0.05	.416	.028	0.279
19802	16.10	.036	11.53	10.04	1.40	969	57.1	8.4	31.0	0.00	0.00	0.41	0.55	0.05	.432	.207	0.057
20001	31.90	.031	6.03	5.38	0.64	759	65.6	10.6	35.9	0.04	0.00	0.22	0.70	0.03	.428	.029	0.015
20002	7.52	.017	1.56	2.13	0.15	643	52.5	13.0	27.4	0.00	0.00	0.00	1.00	0.00	.450	.000	0.000
20003	12.55	.074	18.99	14.21	0.56	762	68.1	9.8	39.1	0.00	0.00	0.49	0.51	0.00	.426	.031	0.000
20801	12.13	.077	19.86	22.60	0.71	806	71.4	9.4	42.1	0.00	0.00	0.69	0.31	0.00	.415	.000	0.000
21001	7.07	.161	27.32	31.32	3.76	1755	94.0	1.4	64.2	0.00	0.00	0.33	0.00	0.67	.467	.000	0.000
21002	13.48	.050	15.05	14.25	1.40	884	89.6	11.0	53.9	0.00	0.00	0.00	0.00	1.00	.500	.000	0.857
21003	42.62	.027	3.95	3.07	1.71	1252	70.7	6.3	41.2	0.00	0.00	0.88	0.00	0.12	.412	.011	0.056
21005	35.88	.032	4.68	5.17	1.89	1364	70.7	3.9	44.0	0.00	0.00	0.85	0.00	0.15	.415	.007	0.089
21006	75.17	.016	2.43	2.49	1.82	1270	75.0	4.2	45.0	0.00	0.00	0.65	0.07	0.28	.432	.010	0.037
21007	52.90	.014	3.90	3.94	2.17	1455	77.1	3.4	48.2	0.00	0.00	0.18	0.16	0.66	.474	.004	0.226
21008	48.49	.014	3.81	4.11	1.44	1066	64.4	4.7	38.3	0.00	0.23	0.41	0.11	0.26	.408	.010	0.033
21009	140.34	.008	1.62	1.71	1.41	1024	69.4	6.3	38.2	0.00	0.08	0.59	0.11	0.21	.419	.011	0.046
21010	89.82	.013	2.24	2.55	1.60	1167	79.7	5.4	46.6	0.00	0.00	0.64	0.13	0.24	.430	.015	0.081
21011	37.76	.036	5.38	6.06	2.41	1488	83.1	3.8	52.6	0.00	0.00	0.39	0.02	0.59	.460	.000	0.483
21012	22.38	.039	10.17	8.61	2.11	1262	70.0	3.4	44.4	0.00	0.00	0.63	0.00	0.37	.437	.020	0.010
21013	38.42	.010	6.28	7.20	1.26	975	84.3	7.1	52.1	0.00	0.00	0.97	0.02	0.01	.402	.006	0.000
21017					3.49	1881	87.5	3.0	57.1	0.00	0.00	0.00	0.00	1.00	.500	.000	0.000
21031	66.09	.003	3.39	1.74	1.45	838	65.2	9.2	35.9	0.00	0.03	0.71	0.00	0.26	.424	.000	0.019
21032	42.46	.014	4.19	3.32	2.09	931	55.2	8.2	30.7	0.00	0.13	0.44	0.41	0.00	.406	.000	0.063
21803	7.60	.137	17.97	15.11		1503				0.00	0.00	0.00	0.00	1.00	.500	.001	0.000
22001	75.86	.009	3.94	2.97	1.52	921	65.0	8.2	37.9	0.00	0.00	0.40	0.00	0.60	.460	.000	0.000
22002	19.87	.057	14.64	12.75	2.43					0.00	0.00	0.00	0.00	1.00	.500	.000	0.000
22003	13.90	.022	21.68	21.75	2.48					0.00	0.00	0.00	0.00	0.00	.500	.000	0.000
22004	32.16	.007	4.06	3.30	1.16	1103	75.0	7.0	48.4	0.00	0.00	0.86	0.00	0.14	.414	.009	0.000
22006	33.27	.006	4.92	3.33	0.78	789	65.7	9.8	38.4	0.00	0.00	0.05	0.93	0.01	.448	.000	0.000
22007	59.23	.009	3.23	0.86	0.98	839	59.5	8.2	35.0	0.00	0.00	0.00	0.20	0.80	.490	.000	0.019
23001	88.66	.007	2.52	2.12	2.80	1044	61.0	5.9	35.9	0.00	0.00	0.00	0.00	0.93	.496	.002	0.033
23002	22.80	.033	10.67	8.33	2.14	932	66.9	6.6	42.3	0.00	0.00	0.00	0.00	1.00	.500	.000	0.000
23003	62.39	.010	3.17	2.86	2.38	1062	62.5	6.0	37.2	0.00	0.00	0.00	0.01	0.99	.500	.000	0.033
23004	55.30	.023	6.20	5.63	2.08	1172	62.0	5.0	39.9	0.00	0.00	0.01	0.00	0.99	.499	.002	0.024
23005	36.71	.017	4.94	4.11	2.20	1235	69.7	4.4	44.6	0.00	0.00	0.00	0.00	1.00	.500	.000	0.118
23007	47.20	.016	7.26	6.14	1.96	853	62.7	7.0	38.6	0.00	0.00	0.00	0.41	0.59	.479	.013	0.000
23902	65.03	.010	3.10	2.93	2.35	1054	47.6	6.1	26.8	0.00	0.00	0.00	0.01	0.99	.500	.000	0.043
24001	65.71	.007	5.01	4.19	2.31	945	63.9	6.9	38.2	0.00	0.00	0.00	0.52	0.48	.474	.011	0.071
24002	29.07	.043	9.82	7.46	0.78	752	54.0	8.1	32.3	0.00	0.00	0.00	0.46	0.54	.477	.047	0.000
24003	21.02	.022	14.33	11.70	3.68	1318	78.6	5.0	50.6	0.00	0.00	0.00	0.01	0.99	.499	.000	0.118
24004	14.81	.037	21.16	16.92	2.14	854	62.8	6.4	40.2	0.00	0.00	0.00	0.29	0.71	.486	.000	0.000
24005	30.27	.018	5.36	5.05	1.32	770	57.2	8.4	33.8	0.00	0.00	0.00	0.96	0.04	.452	.051	0.000
24006	11.73	.036	19.74	20.02	3.15	1156	61.7	5.0	40.1	0.00	0.00	0.00	0.00	1.00	.500	.000	0.000
24007	11.90	.044	14.89	12.83	1.64	768	59.7	8.4	36.6	0.00	0.00	0.00	1.00	0.00	.450	.000	0.000
24801	7.18	.061	35.79	19.01	4.52	1553	67.5	5.0	43.5	0.00	0.00	0.00	0.00	1.00	.500	.000	0.000
25001	79.02	.016	6.60	4.49	2.34	1207	67.6	5.4	41.1	0.01	0.00	0.05	0.32	0.62	.477	.001	0.135
25002	32.10	.039	12.88	9.00	3.08	1717	82.2	5.0	51.6	0.00	0.00	0.12	0.04	0.84	.486	.000	0.324
25003	5.07	.113	35.79	33.50	2.89	2182	87.5	5.0	56.4	0.00	0.00	0.33	0.00	0.67	.467	.000	0.000
25004	44.21	.012	1.82	1.45	0.49	671	51.7	10.0	28.4	0.00	0.00	0.00	1.00	0.00	.450	.078	0.000
25005	40.22	.012	4.17	3.26	1.13	790	56.5	12.4	29.1	0.00	0.00	0.00	0.68	0.32	.466	.000	0.000
25006	17.89	.052	1.68	10.80	2.68	1179	66.2	5.0	42.8	0.00	0.00	0.00	0.00	1.00	.500	.000	0.000

CATCHMENT CHARACTERISTICS

STATION	MSL	DVF	S1085	TAYSIO	STMFRQ	SAAR	M52D	SMDBAR	RSMD	SOIL1	SOIL2	SOIL3	SOIL4	SOILS	SOIL	URBAN	LAKE
25007	29.26	.008	5.55	5.98	0.74	758	47.8	8.4	27.4	0.00	0.00	0.00	1.00	0.00	.450	.000	0.000
25008	50.59	.025	9.83	7.09	2.98	1412	74.5	5.0	46.2	0.02	0.00	0.13	0.13	0.73	.476	.000	0.218
25010	11.33	.087	7.91	7.78	0.74	720	51.7	9.0	30.4	0.00	0.00	1.00	0.00	0.00	.400	.000	0.000
25018	0.27	.003	96.29	82.90	2.30	2182	87.9	5.0	58.2	0.00	0.00	0.00	0.00	1.00	.500	.000	0.000
25019	0.33	.389	74.07	78.40	2.30	2182	87.5	5.0	58.2	0.00	0.00	0.00	0.00	1.00	.500	.000	0.000
25810	0.27	.098	64.40	83.00	2.30	2182	87.5	5.0	58.2	0.00	0.00	0.00	0.00	1.00	.500	.000	0.000
26001	10.24	.431	1.69	1.91	0.10	754	50.8	9.4	28.1	0.70	0.30	0.00	0.00	0.00	.196	.013	0.000
26002	17.22	.311	1.29	1.28	0.11	774	49.4	9.9	26.2	0.59	0.38	0.00	0.04	0.00	.217	.007	0.000
26003	12.60	.275	1.79	2.36	0.12	719	48.5	11.0	25.6	0.44	0.56	0.00	0.00	0.00	.253	.000	0.000
26801	9.46	.128	1.11	2.28	1.64	622	47.5	13.0	24.2	1.00	0.00	0.00	0.00	0.00	.150	.000	0.000
27001	65.09	.009	4.01	2.19	1.23	993	61.0	8.7	34.5	0.02	0.14	0.00	0.56	0.28	.438	.020	0.250
27002	96.84	.006	2.67	2.54	1.31	1161	70.5	5.8	42.9	0.24	0.00	0.00	0.34	0.42	.399	.009	0.148
27004	70.36	.016	2.01	1.44	1.02	1026											
27006	44.82	.003	6.43	6.38	1.15	970	64.2	6.2	39.6	0.30	0.00	0.00	0.03	0.43	.360	.130	0.302
27007	78.04	.003	3.24	2.56	1.16	1163	68.3	7.1	39.9	0.01	0.29	0.00	0.24	0.46	.427	.004	0.000
27008	99.64	.017	2.84	1.94	0.96	879	50.1	8.4	32.7	0.04	0.24	0.00	0.51	0.22	.414	.004	0.000
27009	111.95	.006	2.27	1.53	0.92	940	50.9	8.5	31.7	0.03	0.26	0.00	0.39	0.31	.416	.008	0.000
27010	9.25	.023	30.64	20.98	2.38	1057	62.9	13.0	33.7	0.00	0.00	0.00	0.11	0.89	.494	.000	0.000
27011					1.35	1021				0.00	0.00	0.00	0.00	1.00	.500	.000	0.070
27012	32.90	.148	32.90	26.96	4.92	1415	74.5	3.0	50.6	0.00	0.00	0.00	0.00	1.00	.500	.000	0.394
27013	11.20	.021	32.89	12.49													
27014	46.34	.011	3.59	3.55	0.97	851	53.7	11.6	26.6	0.34	0.20	0.00	0.24	0.23	.330	.000	0.000
27015	82.20	.014	0.68	0.64	0.69	787	50.0	11.2	23.7	0.36	0.37	0.00	0.09	0.17	.296	.003	0.000
27019	6.67	.021	33.22	27.19	4.28	1359											
27021	76.22	.002	3.74	2.91	0.83	798	56.4	8.1	31.5	0.26	0.00	0.14	0.23	0.14	.350	.099	0.103
27022	74.16	.003	3.73	2.19	0.91	896	57.9	7.0	33.9	0.22	0.00	0.18	0.17	0.22	.369	.096	0.146
27023	17.57	.032	5.17	4.81	1.10	767	57.5	8.2	34.5	0.25	0.00	0.00	0.33	0.00	.354	.042	0.000
27024	43.14	.039	6.88	5.89	2.05	1300	68.5	4.6	43.1	0.02	0.00	0.00	0.23	0.74	.480	.000	0.000
27025	35.10	.045	2.26	2.36	0.78	762	53.0	7.8	30.8	0.17	0.00	0.42	0.33	0.05	.379	.043	0.009
27026	15.83	.095	3.83	3.86	1.16	800	53.4	7.0	32.4	0.36	0.00	0.26	0.23	0.15	.337	.069	0.000
27027	55.05	.011	4.46	4.34	1.67	1382	79.3	3.4	51.4	0.21	0.00	0.00	0.19	0.60	.418	.000	0.085
27028	70.54	.039	1.90	1.54	0.66	1059	62.8	5.4	38.5	0.03	0.00	0.00	0.43	0.29	.456	.083	0.074
27029	31.06	.047	5.09	3.76	1.08	1219	73.4	3.0	48.5	0.19	0.00	0.00	0.03	0.69	.423	.039	0.142
27030	36.63	.015	2.56	2.81	0.78	701	54.7	9.4	30.8	0.32	0.00	0.00	0.38	0.00	.312	.107	0.000
27031	23.68	.005	9.87	10.05	1.41	1107	58.6	3.6	38.1	0.30	0.00	0.00	0.00	0.70	.393	.113	0.204
27033	22.71	.077	4.57	2.72	0.29	730	56.0	13.0	28.8	0.10	0.10	0.00	0.00	0.80	.445	.010	0.000
27034	50.25	.013	4.10	2.77	1.51	1390	84.1	4.0	53.9	0.03	0.00	0.00	0.33	0.64	.472	.000	0.000
27035	31.66	.082	4.47	3.85	0.93												
27801	5.77	.101	27.23	20.18	6.70	1026											
27802	38.64	.012	4.89	4.66	2.08												
27810	72.16	.015	1.98	1.46	1.02	1026	64.6	3.2	39.7	0.25	0.00	0.00	0.10	0.44	.384	.094	0.126
27811	100.45	.028	1.46	1.30	0.78	980	62.2	6.1	36.3	0.14	0.00	0.00	0.28	0.32	.415	.131	0.087
27815	79.19	.010	1.76	1.75	0.62												
27818	96.23	.008	1.56	1.40	0.79												
27819	100.43	.028	1.46	1.30	0.78	980				0.16	0.00	0.00	0.24	0.31	.403	.091	0.000
27826	69.60	.016	2.06	1.48						0.11	0.01	0.00	0.25	0.33	.423	.131	0.087
27835	50.06	.022	2.38	2.20	0.98	1041	61.9	4.0	39.2	0.24	0.00	0.00	0.03	0.53	.396	.089	0.159
27846	104.53	.008	1.45	1.35	0.78	980	62.5	5.3	37.4	0.15	0.00	0.00	0.28	0.32	.411	.131	0.087
27852	9.06	.003	29.01	21.45	5.69	1270	87.5	4.5	59.4	0.00	0.00	0.00	0.00	1.00	.500	.000	0.000
28002	40.28	.011	3.36	3.74	0.72	790	50.7	9.0	28.4	0.14	0.00	0.00	0.85	0.00	.407	.008	0.000

CATCHMENT CHARACTERISTICS

STATION	MSL	DVF	S1085	TAYSIO	STHFRQ	SAAR	MSZD	SMDBAR	RSMD	SOIL1	SOIL2	SOIL3	SOIL4	SOIL5	SOIL	URBAN	LAKE
28003	27.39	.029	1.45	1.61	0.30	742	49.2	11.0	24.8	0.08	0.00	0.00	0.04	0.00	.330	.495	0.015
28004	35.60	.022	1.34	1.30	0.43	734	48.4	11.0	23.7	0.04	0.00	0.00	0.39	0.00	.420	.315	0.000
28005	60.22	.013	1.01	1.27	0.44	714	48.8	11.0	23.4	0.12	0.00	0.00	0.54	0.00	.396	.192	0.004
28006	48.86	.041	1.77	1.61	0.79	825	49.0	7.4	28.8	0.32	0.00	0.00	0.47	0.00	.328	.124	0.073
28007	121.68	.017	0.75	0.88	0.68	775	49.7	7.0	26.5	0.10	0.00	0.07	0.64	0.05	.415	.083	0.103
28008	53.76	.017	3.72	2.58	1.20	1029	58.0	5.0	36.1	0.29	0.00	0.08	0.12	0.51	.383	.003	0.000
28009	148.99	.014	0.63	0.68	0.68	785	51.1	9.5	24.2	0.12	0.00	0.11	0.61	0.06	.408	.069	0.025
28010	85.97	.016	2.56	2.35	1.24	996	60.4	5.6	36.3	0.40	0.00	0.02	0.37	0.20	.337	.023	0.126
28011	54.96	.025	4.48	3.52	1.46	1105	66.9	4.0	42.6	0.54	0.00	0.00	0.14	0.32	.304	.007	0.170
28012	68.26	.029	1.28	1.19	0.56	775	49.6	8.9	26.0	0.28	0.00	0.00	0.67	0.00	.363	.036	0.009
28013	64.27	.027	0.89	1.03	0.43	48.7	11.0			0.00	0.00	0.13	0.81	0.00	.462	.084	0.000
28014	31.97	.081	1.15	1.48	0.41	754	49.2	10.2	25.2	0.21	0.00	0.00	0.78	0.00	.387	.044	0.000
28015	55.03	.007	2.42	1.97	0.13	663	50.5	10.6	26.3	0.84	0.04	0.03	0.07	0.02	.192	.043	0.178
28016	38.60	.039	2.47	2.32	0.29	631	50.6	11.0	26.7	0.84	0.00	0.00	0.16	0.00	.198	.043	0.027
28017	27.84	.101	3.37	2.46	0.33	622	47.7	11.0	24.5	0.09	0.00	0.31	0.60	0.00	.408	.000	0.041
28018	77.11	.012	2.66	2.19	1.26	950	54.8	5.6	32.8	0.12	0.00	0.11	0.50	0.26	.420	.009	0.000
28019	88.02	.023	1.03	1.05	0.49	731	48.8	9.5	24.0	0.17	0.00	0.02	0.63	0.00	.387	.114	0.003
28020	42.81	.029	2.39	2.06	1.54	968	54.7	5.2	34.2	0.00	0.00	0.00	0.86	0.14	.457	.011	0.158
28021					1.21												
28023	26.41	.009	10.04	6.58	0.26	1145	67.3	3.0	45.2	0.83	0.00	0.00	0.00	0.17	.208	.035	0.120
28026	34.07	.070	1.36	1.37	0.49	697	50.2	11.0	25.8	0.00	0.00	0.01	0.89	0.00	.449	.054	0.000
28032	14.69	.027	6.24	5.00	0.29	709	52.5	9.4	30.2	0.67	0.00	0.00	0.33	0.00	.250	.170	0.000
28033	3.90	.188	33.37	28.49	1.99	1392	67.5	3.0	46.5	0.00	0.00	0.00	0.00	1.00			
28034	30.00	.030	4.45	3.76	0.20	676	52.0	10.8	26.0	1.00	0.00	0.00	0.00	0.00	.150	.078	0.009
28035	19.41	.073	3.69	3.37	0.22	697	50.2	9.4	28.2	0.58	0.00	0.00	0.08	0.00	.188	.267	0.000
28042	18.14	.066	4.39	3.59		961											
28045	29.87	.013	3.99	3.42	0.31	678	51.7	10.4	28.5	0.84	0.00	0.00	0.16	0.00	.197	.065	0.009
28801	4.18	.247	32.61	24.38	1.00	1004	67.5	5.0	45.5	0.00	0.00	0.00	0.37	0.43	.471	.000	0.000
28802	9.30	.091	8.69	7.88	0.18	734	52.5	9.4	30.4	0.82	0.00	0.00	0.18	0.00	.205	.217	0.165
28804	142.99	.014	0.66	0.81	1.49	785	51.2	9.5	24.1	0.12	0.00	0.10	0.62	0.06	.408	.066	0.025
29001	20.17	.037	3.33	3.21	0.10	698	51.8	12.8	26.1	0.95	0.00	0.02	0.03	0.00	.164	.000	0.000
29002	14.72	.051	4.43	5.67	0.26	635	50.8	13.0	25.6	0.83	0.00	0.17	0.00	0.00	.193	.000	0.000
29003	7.45	.313	6.12	6.81	0.27	677	52.1	13.0	26.6	1.00	0.00	0.00	0.00	0.00	.150	.000	0.000
30001	47.90	.064	1.88	1.66	0.25	625	49.3	11.0	25.6	0.38	0.00	0.04	0.58	0.00	.334	.017	0.000
30002	16.44	.021	1.55	2.78	0.24	617	48.0	11.0	24.9	0.16	0.00	0.04	0.80	0.00	.400	.000	0.000
30003	38.11	.050	2.61	2.82	1.64	671	50.7	12.7	25.1	0.10	0.18	0.70	0.02	0.00	.358	.006	0.055
30004	14.55	.074	2.70	3.54	0.89	673	51.8	13.0	26.3	0.00	0.00	1.00	0.00	0.00	.400	.000	0.000
30007	132.87	.024	0.63	0.60		621											
30011	15.32	.111	4.83	5.64	0.21	709	52.5	13.0	26.6	0.24	0.00	0.76	0.00	0.00	.340	.000	0.000
30803	4.44	.097	8.35	4.90	1.28					0.00	1.00	0.00	0.00	0.00	.300	.000	0.000
31001	19.90	.060	5.15	4.48	0.72	671	48.4	11.0	25.7	0.00	0.00	0.00	1.00	0.00	.450	.000	0.000
31002	37.36	.102	2.12	2.39	0.38	612	46.5	11.6	22.9	0.12	0.06	0.40	0.42	0.00	.384	.000	0.000
31003	40.15	.102	2.14	2.28	0.38	612											
31005	55.36	.035	1.44	1.69	0.45	643	47.7	11.2	23.9	0.09	0.00	0.01	0.90	0.00	.422	.005	0.153
31006	37.07	.025	3.04	2.96	0.45	630	47.7	11.8		0.00	0.00	0.45	0.55	0.00	.428	.008	0.000
31007	48.51	.040	1.53	1.70	0.44												
32001					0.38	627											
32002	33.98	.030	2.87	3.09	0.21	602	46.1	13.0	22.1	0.00	0.00	0.19	0.81	0.00	.441	.042	0.000
32003	24.00	.053	3.79	4.32	0.36	617	46.5	12.9	22.5	0.00	0.00	0.05	0.93	0.00	.448	.000	0.000
32004	38.94	.029	2.15	2.54	0.48	648	47.0	12.6	22.5	0.35	0.00	0.00	0.65	0.00	.344	.023	0.056

CATCHMENT CHARACTERISTICS

STATION	MSL	DVF	S1085	TAYSLO	STMFRO	SAAR	M52D	SHDBAR	RSMD	SOIL1	SOIL2	SOIL3	SOIL4	SOIL5	SOIL	URBAN	LAKE
32006	27.41	.032	2.35	2.86	0.48	668	47.1	11.8	23.2	0.00	0.00	0.00	1.00	0.00	.450	.006	0.060
32007	20.86	.020	4.18	3.35	0.49	655	47.1	11.8	23.2	0.14	0.00	0.00	0.86	0.00	.409	.011	0.308
32008	14.38	.060	4.38	4.71	0.36	673	47.0	11.0	24.4	0.00	0.00	0.00	1.00	0.00	.450	.000	0.088
32009	19.76	.050	3.90	4.18		608											
32010	109.21	.014	0.69	0.79	0.38	628	45.4	12.6	19.7	0.11	0.00	0.50	0.38	0.00	.390	.021	0.073
32801	2.41	.394	14.26	19.60	0.86	654	47.5	13.0	24.0	0.00	0.00	0.00	1.00	0.00	.450	.000	0.000
33001	184.10	.004	0.50	0.52	0.41	615	46.4	13.2	17.7	0.25	0.00	0.58	0.17	0.00	.347	.016	0.000
33002	126.45	.005	0.63	0.67	0.46	650	45.6	13.0	19.4	0.25	0.00	0.45	0.31	0.00	.393	.011	0.000
33003	54.41	.021	1.25	1.39	0.32	587				0.55	0.00	0.45	0.00	0.00	.261	.023	0.000
33005	34.82	.019	1.79	2.05	0.48	673	47.5	13.0	20.8	0.31	0.00	0.45	0.24	0.00	.335	.007	0.000
33006	34.51	.034	1.34	1.98	0.13	660	47.5	13.0	22.2	0.69	0.00	0.31	0.00	0.00	.228	.000	0.057
33007	26.20	.052	1.99	2.58	0.16	691	47.5	13.0	22.4	0.73	0.01	0.24	0.00	0.00	.217	.003	0.000
33008	32.01	.048	0.79	0.92	0.10	647	47.5	14.2	20.3	0.34	0.00	0.66	0.00	0.00	.314	.003	0.000
33009	87.81	.007	0.82	0.84	0.47	655	46.0	13.0	19.7	0.24	0.00	0.42	0.34	0.00	.357	.010	0.000
33011	24.83	.062	0.76	0.88	0.12	616	47.5	14.2	21.7	0.26	0.00	0.74	0.00	0.00	.335	.000	0.000
33012	27.76	.043	2.32	2.90	0.38	594	42.5	13.0	19.1	0.00	0.00	1.00	0.00	0.00	.400	.000	0.000
33013	31.13	.072	1.55	1.74	0.07	615	47.5	15.0	20.6	0.25	0.00	0.75	0.00	0.00	.338	.000	0.000
33014	29.19	.115	2.23	2.41	0.20	622	47.5	15.0	20.4	0.58	0.00	0.00	0.42	0.00	.277	.016	0.000
33015	39.08	.075	1.03	1.21	0.40	655	47.4	13.0	22.1	0.21	0.00	0.12	0.67	0.00	.380	.018	0.000
33016	46.23	.037	1.64	2.17	0.33	592	44.4	14.2	18.2	0.54	0.00	0.46	0.00	0.00	.266	.015	0.000
33017	176.07	.004	0.53	0.62	0.42	620	44.5	13.3	17.7	0.25	0.00	0.58	0.17	0.00	.347	.016	0.000
33018	20.19	.061	2.78	2.90	0.62	696	47.2	13.0	22.3	0.03	0.00	0.09	0.88	0.00	.436	.000	0.000
33019	37.90	.055	0.81	1.01	0.10	637	47.5	13.0	22.2	0.34	0.00	0.66	0.00	0.00	.314	.002	0.000
33020	24.25	.019	1.55	1.82	0.43	582	42.5	13.8	18.2	0.00	0.00	1.00	0.00	0.00	.400	.000	0.000
33021	27.93	.063	1.00	1.27	0.19	587	42.6	13.8	17.9	0.67	0.00	0.33	0.00	0.00	.233	.008	0.000
33023	38.70	.029	2.06	1.72	0.10	591	47.5	15.0	21.3	0.54	0.00	0.46	0.00	0.00	.265	.000	0.000
33024	32.50	.052	2.24	2.79	0.52	603	47.1	14.0	21.3	0.46	0.00	0.54	0.00	0.00	.285	.010	0.000
33029	7.04	.532	1.63	3.51	0.51	637	47.5	13.0	23.0	0.75	0.25	0.00	0.00	0.00	.188	.000	0.000
33035	240.09	.003	0.45	0.50	0.22	607	47.5	13.0	19.7	0.47	0.02	0.44	0.07	0.00	.285	.024	0.000
33045					0.14	648	42.5	13.0		0.00	0.00	1.00	0.00	0.00	.400		
33801					0.62	607										.000	0.351
33805	3.25	.501	3.63	7.15	0.12	649	47.5	13.0	23.4	1.00	0.00	0.00	0.00	0.00	.150	.000	0.000
33807	20.67	.080	2.93	3.20	0.62	608	47.5	13.2	22.7	0.26	0.00	0.74	0.00	0.00	.334	.013	0.000
33809	19.00	.050	1.65	2.60	1.35	554	42.5	15.0	17.7	0.22	0.00	0.78	0.00	0.00	.344	.000	0.000
33813	3.01	.409	3.15	6.41	1.06	597	42.5	13.0	20.3	1.00	0.00	0.00	0.00	0.00	.150	.000	0.000
34001	35.59	.033	1.46	1.75	0.21	688	47.5	13.0	22.2	0.02	0.00	0.98	0.00	0.00	.395	.005	0.000
34002	17.96	.146	1.65	2.17	0.27	668	47.5	13.0	22.6	0.00	0.00	1.00	0.00	0.00	.400	.000	0.000
34003	20.06	.080	2.31	2.40	0.33	699	47.5	13.0	22.4	1.00	0.00	0.00	0.00	0.00	.150	.000	0.000
34004	62.33	.047	0.62	0.70	0.28	688	47.5	13.0	21.6	0.67	0.00	0.33	0.00	0.00	.233	.004	0.000
34005	22.65	.039	1.74	1.89	0.40	680	47.5	13.0	22.9	0.08	0.00	0.92	0.00	0.00	.380	.009	0.000
34006	24.56	.063	0.60	1.18	0.18	643	47.5	14.4	20.6	0.00	0.00	1.00	0.00	0.00	.400	.007	0.000
34007	16.57	.138	1.47	2.46	0.19	633	47.5	15.0	20.8	0.00	0.00	1.00	0.00	0.00	.400	.005	0.000
34008	14.70	.262	1.90	1.70	0.26	650	47.5	15.0	21.2	1.00	0.00	0.00	0.00	0.00	.150	.000	0.000
34011	13.40	.188	1.24	1.89	0.17	706	47.5	13.0	22.5	0.87	0.00	0.13	0.00	0.00	.182	.000	0.000
35001	35.47	.012	1.31	1.62	0.34	587	47.5	15.0	20.4	0.22	0.00	0.76	0.00	0.00	.345	.028	0.000
35002	29.20	.073	1.12	1.25	0.21	635	47.5	15.0	20.6	0.07	0.00	0.93	0.00	0.00	.383		
35003	17.33	.063	1.83	2.51	0.45	625	47.5	15.0	21.2	0.00	0.00	1.00	0.00	0.00	.400	.000	0.000
35004	17.90	.082	2.14	2.31	0.31	640	47.5	15.0	21.2	0.03	0.00	0.97	0.00	0.00	.391	.023	0.000
35008	11.93	.055	2.88	3.36	0.40	618	47.5	15.0	20.9	0.00	0.00	1.00	0.00	0.00	.400	.020	0.000
35801	8.51	.339	2.48	3.87	0.60	601	42.5	15.0	17.9	0.88	0.00	0.00	0.00	0.00	.150	.000	0.000

CATCHMENT CHARACTERISTICS

STATION	MSL	DVF	S1085	TAYSLO	STMRQ	SAAR	M52D	SMDBAR	RSMD	SOIL1	SOIL2	SOIL3	SOIL4	SOIL5	SOIL	URBAN	LAKE
35802	1.66	.752	3.43	5.84	1.05	599	42.5	15.0	18.2	1.00	0.00	0.00	0.00	0.00	.150		
36002	20.15	.120	3.00	2.90	0.54	625	47.5	15.0	21.1	0.00	0.04	0.96	0.00	0.00	.396		.000 0.000
36003	13.61	.120	3.10	3.60	0.45	617	47.5	15.0	21.3	0.00	0.17	0.83	0.00	0.00	.383		.000 0.000
36005	21.03	.040	2.80	2.50	0.41	612	47.5	15.0	20.8	0.00	0.05	0.95	0.00	0.00	.395		.000 0.000
36006	73.87	.002	1.02	1.17	0.75	610	47.3	15.2	19.4	0.00	0.20	0.80	0.00	0.00	.380		.005 0.000
36007	9.30	.070	3.40	4.00	0.75	587	47.5	16.2	20.2	0.00	0.00	1.00	0.00	0.00	.400		.000 0.000
36008	37.94	.003	1.71	1.83	0.71	617	47.5	15.0	20.5	0.00	0.07	0.93	0.00	0.00	.393		.006 0.000
37001	62.60	.017	1.22	1.47	1.17	635	42.7	15.8	15.9	0.00	0.00	0.76	0.17	0.00	.409		.081 0.000
37003	25.03	.110	2.40	2.60	0.70	587	44.6	15.4	18.6	0.00	0.36	0.64	0.00	0.00	.364		.000 0.000
37005	41.57	.050	1.20	1.40	0.95	599	47.0	16.4	18.8	0.00	0.14	0.86	0.00	0.00	.386		.005 0.000
37006	18.02	.070	2.60	3.10	1.10	617	43.1	15.6	19.2	0.00	0.05	0.77	0.18	0.00	.404		.077 0.000
37007	24.63	.060	1.70	1.60	1.10	620	42.5	13.0	19.1	0.00	0.00	0.73	0.27	0.00	.414		.074 0.000
37008					1.33	596	46.0	13.6	21.0	0.00	0.09	0.91	0.00	0.00	.391		.033 0.000
37009	23.47	.080	2.80	3.20	1.06	597	46.0	15.6	19.7	0.00	0.47	0.53	0.00	0.00	.353		.031 0.000
37010	52.73	.007	1.26	1.55	0.92	605	45.8	15.0	19.2	0.00	0.27	0.67	0.07	0.00	.377		.013 0.000
37011	16.10	.080	2.80	3.90	1.48	607	47.5	13.0	23.2	0.00	0.00	1.00	0.00	0.00	.400		.000 0.000
37012	13.06	.140	3.20	4.20	0.48	607	47.5	13.0	21.3	0.00	0.00	1.00	0.00	0.00	.400		.000 0.000
37013	11.08	.700	3.50	3.50	0.84	577	42.5	17.0	15.6	0.00	0.24	0.52	0.24	0.00	.388		.000 0.258
37014	28.33	.037	1.88	1.96	0.88	630	46.8	13.0	22.5	0.00	0.00	1.00	0.00	0.00	.400		.000 0.000
37801	4.11	.140	2.90	3.50		546				0.00	0.00	1.00	0.00	0.00	.400		.000 0.000
37802	7.96	.130	3.20	3.30		569				0.00	0.00	0.00	1.00	0.00	.450		.197 0.000
37805	12.75	.078	3.00	3.50		623				0.00	0.00	0.00	0.00	0.00	.450		.197 0.000
37807	12.41	.060	2.50	2.70	0.66	571	42.5	17.0	15.6	0.00	0.00	0.00	1.00	0.00	.450		.197 0.000
37810	5.16	.260	4.90	5.00		566				0.00	0.00	0.00	0.00	0.00	.450		.197 0.000
37811	4.52	.180	3.50	6.10						0.00	0.00	0.00	0.00	0.00	.450		.197 0.000
37812	11.76	.210	2.50	2.60						0.00	0.00	0.00	0.00	0.00	.450		.197 0.000
38001	54.96	.017	1.87	1.85	0.54	635	45.8	13.0	20.9	0.24	0.04	0.72	0.00	0.00	.336		.056 0.000
38002	21.75	.078	3.05	3.26	0.72	645	44.7	13.0	22.5	0.00	0.00	1.00	0.00	0.00	.400		.000 0.000
38003	17.33	.376	2.59	2.09	0.03	665	47.3	13.0	22.5	0.44	0.00	0.56	0.00	0.00	.291		.014 0.000
38004	26.93	.021	2.79	2.03	0.98	650	47.0	13.0	22.5	0.00	0.00	1.00	0.00	0.00	.400		.000 0.000
38007	5.60	.235	7.47	9.81	0.80	640	42.5	13.0	19.8	0.00	1.00	0.00	0.00	0.00	.300		.088 0.000
38011	9.34	.528	2.01	3.00	0.02	668	47.5	13.0	22.8	0.58	0.00	0.42	0.00	0.00	.254		.013 0.000
38013	14.90	.058	2.80	2.34	0.13	666	47.9	13.0	22.2	1.00	0.00	0.00	0.00	0.00	.150		.285 0.000
38014	11.59	.059	5.51	5.54	0.83	665	43.0	13.0	20.1	0.60	0.00	0.00	0.00	0.00	.150		.046 0.000
38807	14.60	.024	5.41	5.46	2.16	665	42.5	13.0	19.4	0.00	0.00	0.00	0.23	0.00	.450		.043 0.000
39001	238.75	.029	0.32	0.37	0.38	735	50.4	12.2	20.7	0.47	0.02	0.07	0.43	0.00	.300		.018 0.000
39002	110.15	.062	0.37	0.49	0.01	734				0.38	0.03	0.11	0.48	0.00	.325		.018 0.000
39003	10.38	.623	2.89	3.48	0.02	754	51.7	12.8	25.4	0.23	0.00	0.00	0.00	0.00	.150		.322 0.000
39004	2.39	.878	4.36	9.01	0.01	800	53.6	12.6	27.1	0.00	0.33	0.00	0.00	0.00	.300		.223 0.000
39005	7.40	.521	2.28	3.53	0.20	640	47.6	13.2	23.2	0.40	0.00	0.00	0.60	0.00	.350		.808 0.000
39006	60.35	.032	1.90	1.97	0.42	785	52.7	12.6	25.7	0.79	0.00	0.07	0.14	0.00	.209		.003 0.000
39007	32.34	.081	0.98	1.08	0.38	719	51.2	12.0	25.5	0.48	0.00	0.00	0.52	0.00	.306		.074 0.000
39008	71.52	.092	0.39	0.42	0.37	770	50.7	11.5	23.9	0.40	0.02	0.21	0.36	0.00	.316		.011 0.000
39009	187.92	.037	0.31	0.35	0.33	731				0.46	0.02	0.08	0.44	0.00	.304		.022 0.000
39010	49.43	.089	1.73	1.86	0.15	726	48.0	13.0	21.3	0.81	0.00	0.00	0.13	0.00	.197		.093 0.000
39011	31.20	.041	2.98	2.88	1.14	869		9.6		0.77	0.00	0.00	0.25	0.00	.219		.033 0.071
39012	9.01	.380	2.55	4.07	0.19	691	47.9	12.6	23.6	0.12	0.00	0.00	0.12	0.00	.300		.456 0.000
39014	24.15	.158	2.79	3.23	0.02	714	47.6			0.93	0.00	0.05	0.00	0.00	.163		.091 0.000
39015	3.62	.720	2.93	3.66	0.11	790	57.5	11.0	32.3	0.92	0.00	0.00	0.08	0.00	.175		.000 0.000
39016	82.59	.052	1.46	1.46	0.27	808	52.7	10.9	26.3	0.76	0.03	0.09	0.12	0.00	.213		.010 0.000

CATCHMENT CHARACTERISTICS

STATION	MSL	QVE	S1085	TAVSIO	STAFRO	SAAR	M520	SHD8R	RSMD	SOIL1	SOIL2	SOIL3	SOIL4	SOIL5	SOIL	URBAN	LAKE
30017	7.03	143	4.82	7.56	0.38	660	47.5	13.0	23.6	0.00	0.00	0.00	1.00	0.00	.450	.000	0.000
30019	22.40	201	2.00	2.71	0.02	805	53.7	11.1	28.2	0.91	0.00	0.09	0.00	0.00	.171	.000	0.000
30020	29.30	093	2.67	2.63	0.43	831	55.6	11.0	30.1	0.79	0.00	0.21	0.00	0.00	.204	.000	0.000
30021	60.47	020	1.17	1.11	0.71	715	47.8	13.0	21.7	0.41	0.00	0.00	0.59	0.00	.328	.008	0.000
30022	22.07	036	1.62	1.53	0.36	738	55.2	11.2	29.7	0.35	0.00	0.00	0.65	0.00	.345	.023	0.000
30023	16.91	058	4.03	3.04	0.03	772	51.1	13.0	24.9	1.00	0.00	0.00	0.00	0.00	.150	.096	0.000
30024	12.48	098	4.22	4.22	1.22	853	57.5	9.0	34.0	0.67	0.00	0.00	0.33	0.00	.250	.081	0.000
30025	23.10	075	3.20	4.06	0.78	834	53.9	11.0	28.7	0.57	0.00	0.20	0.23	0.00	.269	.009	0.000
30026	27.83	045	2.11	2.02	0.64	726	47.5	13.0	22.1	0.06	0.00	0.00	0.94	0.00	.431	.010	0.000
30031	12.91	015	2.59	2.93	0.01	791	54.4	11.0	29.1	1.00	0.00	0.00	0.00	0.00	.150	.000	0.000
30033	7.33	061	4.04	4.44	0.06	762	52.5	12.2	27.4	0.86	0.00	0.14	0.00	0.00	.186	.000	0.000
30037	10.06	059	2.28	3.55	0.78	697	47.5	13.0	23.0	0.50	0.00	0.00	0.50	0.00	.300	.075	0.000
30004	13.14	064	1.94	3.55	1.23	825	55.0	10.0	30.8	0.17	0.00	0.00	0.83	0.00	.400	.088	0.118
30011	4.97	033	6.38	7.61	0.15	807	57.5	9.0	34.6	0.14	0.00	0.00	0.86	0.00	.607	.000	0.826
30013	4.06	181	7.43	5.99	0.75	839	57.5	9.0	35.1	0.00	0.00	0.00	1.00	0.00	.450	.000	0.450
30014	3.46	151	3.96	8.11	0.67	825	57.5	9.0	35.1	0.00	0.00	0.00	0.43	0.00	.450	.502	0.000
30020	10.75	096	4.48	5.95	0.92	688	47.5	13.0	23.4	0.00	0.00	0.00	0.43	0.00	.450	.761	0.000
30021	14.69	072	3.49	4.10	0.34	678	47.5	13.0	22.7	0.00	0.00	0.00	0.30	0.00	.450	.761	0.000
30022	28.65	141	1.32	1.59		639											
30024	6.59	145	11.00	10.10	0.55	657	49.2	13.0	25.1	0.20	0.00	0.00	0.00	0.00	.150	.368	0.000
30025	4.30	188	18.19	13.61		792				1.00	0.00	0.00	0.00	0.00	.150	.751	0.000
30026	8.44	106	8.98	9.12		753	47.5			0.25	0.00	0.00	0.00	0.00	.150	.265	0.000
30027	8.45	113	6.73	7.42	0.61	661	48.3	13.4	21.6	0.33	0.00	0.00	0.00	0.00	.150	.715	0.000
30028	14.42	042	5.18	5.14		624	45.2			0.00	0.00	0.00	0.00	0.00		.600	0.000
30030	5.26	171	10.11	12.37	0.77	665	50.0	14.0	24.7	0.43	0.00	0.00	0.00	0.00	.150	.360	0.000
30031	4.01	029	16.12	17.86	0.71	683	48.3	13.7	23.8	0.20	0.00	0.00	0.00	0.00	.150	.360	0.000
30032	0.63	028	10.79	20.72		708				0.20	0.00	0.00	0.00	0.00	.150	.360	0.000
30034	25.04	043	2.32	2.70	0.53	667	47.4	13.0	22.5	0.00	0.00	0.00	0.19	0.00	.450	.749	0.000
30035	6.59	015	2.74	3.19		685											
30039	21.67	171	1.26	1.36		652											
30040	8.73	115	5.67	6.12	0.69	687	47.5	13.0	23.3	0.00	0.00	0.00	0.75	0.00	.450	.456	0.000
30041	10.75	006	4.49	5.96		687											
30001	8.57	069	5.50	6.00	1.90	871										.000	0.900
30002																.000	0.813
30003	60.15	010	1.20	1.10	0.77	759	53.1	10.3	27.1	0.15	0.23	0.38	0.24	0.00	.351	.016	0.024
30004	29.17	020	2.20	2.20	1.69	851	54.9	9.0	31.1	0.00	0.00	0.98	0.02	0.00	.601	.000	0.080
30005	29.31	071	0.80	1.00	0.19	696	50.0	10.9	26.0	0.00	0.20	0.20	0.60	0.00	.610	.000	0.000
30006	13.51	041	6.20	6.60	0.60	724	55.1	11.4	30.3	0.68	0.14	0.00	0.38	0.00	.284	.000	0.000
30007	26.31	021	2.20	2.70	0.96	874	56.4	9.0	31.9	0.42	0.03	0.55	0.00	0.00	.291	.015	0.119
30008	20.83	051	1.90	1.50	0.80	749	53.0	11.6	27.4	0.14	0.41	0.00	0.45	0.00	.367	.033	0.000
30009	19.89	031	3.20	3.20	1.43	797	54.0	9.0	28.5	0.16	0.00	0.84	0.00	0.00	.360	.000	0.000
30010	27.68	053	2.60	3.00	0.79	775	53.8	10.9	28.6	0.13	0.13	0.31	0.44	0.00	.378	.011	0.000
30011	43.23	049	1.40	1.40	0.55	766	54.0	10.6	28.8	0.44	0.20	0.00	0.36	0.00	.288	.022	0.000
30012	30.29	020	3.20	3.40	0.20	754	54.5	12.3	27.9	0.74	0.00	0.00	0.26	0.00	.229	.033	0.000
30013	12.76	061	4.80	6.10	0.32	802										.000	0.119
30018																.000	0.119
30019	27.63	050	2.60	3.00	0.79	775	53.8	10.9	28.6	0.13	0.13	0.31	0.44	0.00	.378	.011	0.000
30020	20.07	040	3.50	3.70	0.03	790	55.8	11.8	29.6	0.60	0.00	0.00	0.40	0.00	.270	.000	0.000
30001	6.80	069	9.90	0.10	1.51	57.5	9.0			0.00	0.00	1.00	0.00	0.00	.400	.000	.600

CATCHMENT CHARACTERISTICS

STATION	MSL	DVF	S1085	TAYSID	STMPRO	SAAR	M52D	SMDBAR	RSMD	SOIL1	SOIL2	SOIL3	SOIL4	SOIL5	SOIL	URBAN	LAKE	
40804	15.15	.110	3.20	2.90	1.72	762				0.00	0.00	1.00	0.00	0.00	0.00	.600		
40805	18.71	.080	3.00	3.70	0.98	762				0.00	0.00	1.00	0.00	0.00	0.00	.400		
40808	9.31	.080	5.70	7.60	2.82					0.10	0.00	0.90	0.00	0.00	0.00	.375	.039	
40809	11.73	.090	8.10	6.20	2.07	944				0.10	0.00	0.90	0.00	0.00	0.00	.375	.024	
40810	14.54	.060	9.30	6.70	1.47	895				0.08	0.00	0.92	0.00	0.00	0.00	.379	.014	
41001	11.15	.120	4.60	5.10	2.30	859	54.6	9.0	32.3	0.00	0.00	1.00	0.00	0.00	0.00	.600		
41003	25.29	.050	2.70	2.90	1.52	825	51.6	9.0	29.1	0.00	0.00	1.00	0.00	0.00	0.00	.400		
41005	19.55	.013	3.50	2.53	1.32	859	53.8	9.0	30.3	0.00	0.00	0.90	0.00	0.00	0.00	.375	.039	
41006	14.24	.040	3.20	2.80	1.03	850	54.0	9.0	31.0	0.00	0.00	0.92	0.00	0.00	0.00	.379	.014	
41007	44.30	.010	1.20	3.90	0.68	755	53.1	9.2	29.4	0.08	0.00	0.06	0.85	0.00	0.00	.622	.014	
41010					0.90												.060	
41011	23.02	.060	2.40	2.50	0.79	925											.115	
41012					0.90													
41013	6.55	.120	9.80	12.30	2.39	847				0.00	0.00	1.00	0.00	0.00	0.00	.600		
41801	3.51	.150	19.60	18.10	1.99	767	52.5	9.0	31.6	0.00	0.00	1.00	0.00	0.00	0.00	.400	.375	
41806	1.12	.160	15.80	22.80	2.50	946	52.5	9.0	31.0	0.00	0.00	0.00	1.00	0.00	0.00	.450	.000	
41811	19.21	.190	4.80	5.20	0.84	842	54.2	10.4	30.5	0.00	0.00	0.25	0.75	0.00	0.00	.438	.087	
41812	7.41	.040	4.90	4.40		853												
42001	11.24	.250	2.50	2.70	0.45	843				0.56	0.00	0.44	0.00	0.00	0.00	.261		
42002	28.72	.130	2.20	2.20	0.14	851	58.7	9.0	33.4	0.99	0.00	0.01	0.00	0.00	0.00	.153	.024	
42005	7.37	.310	4.40	5.80	0.07	803				1.00	0.00	0.00	0.00	0.00	0.00	.150		
42006	20.88	.090	4.00	3.80	0.32	912	65.8	9.0	39.6	1.00	0.00	0.00	0.00	0.00	0.00	.150	.000	
42801	5.90	.190	7.20	10.10	1.38	803	59.3	9.0	34.1	0.67	0.00	0.17	0.00	0.00	0.00	.200	.362	
43001	92.98	.042	0.98	1.09	0.17	851	56.4	9.0	30.1	0.85	0.09	0.02	0.04	0.00	0.00	.180	.007	
43002	95.04	.060	0.73	0.92	0.34	869	62.8	8.2	35.7	0.51	0.07	0.09	0.54	0.00	0.00	.282	.006	
43005	34.65	.105	1.36	1.52	0.18	795	52.6	9.0	29.3	0.98	0.02	0.00	0.00	0.00	0.00	.153	.004	
44001	48.02	.020	2.40	2.60	0.19	906												
44002	31.57	.100	3.30	3.40	0.07	973	67.0	7.0	41.5	0.90	0.00	0.05	0.05	0.00	0.00	.177		
44003	9.10	.120	11.50	6.40	1.04	989												
44004	24.15	.040	3.40	3.80	0.30	1058												
45001	67.95	.030	4.40	3.90	0.86	1280	78.0	8.2	45.6	0.08	0.87	0.03	0.01	0.00	0.00	.293	.003	
45002	48.06	.040	5.70	5.00	0.85	1402	84.3	7.9	50.5	0.00	0.87	0.00	0.02	0.12	0.00	.326	.000	
45003	27.43	.080	5.93	6.28	0.59	965	67.6	9.4	41.5	0.47	0.05	0.47	0.00	0.00	0.00	.276	.003	
45004	34.50	.030	3.80	2.80	0.79	1009	70.3	7.4	42.9	0.52	0.00	0.31	0.17	0.00	0.00	.279	.006	
45005	36.29	.020	4.50	4.50	0.68	1005	68.2	8.8	40.3	0.52	0.00	0.48	0.00	0.00	0.00	.270	.003	
45006	19.00	.050	17.10	19.00	0.83	1584	98.2	9.0	61.4	0.00	0.92	0.00	0.00	0.08	0.00	.315	.000	
45801	1.05	.420	32.00	27.60		889				0.00	0.00	1.00	0.00	0.00	0.00	.400		
45802	1.50	.480	37.40	25.00		866				0.00	0.00	1.00	0.00	0.00	0.00	.400		
45804	36.78	.010	6.90	6.40	0.94	1655	91.2	6.1	57.5	0.00	0.65	0.00	0.00	0.35	0.00	.371		
45805	33.76	.050	8.30	6.60	0.66	1447	92.3	7.8	56.9	0.00	0.90	0.00	0.10	0.00	0.00	.315	.005	
45806	23.43	.030	6.20	6.10	0.04	903	60.2	6.3	37.3	0.35	0.35	0.00	0.30	0.00	0.00	.292	.000	
45807	2.24	.270	23.50	10.40														
45811	3.13	.230	33.00	12.60		973												
46002	48.00	.045	9.33	4.48	0.36	1267	64.1	5.3	39.5	0.40	0.42	0.00	0.13	0.06	0.00	.272	.000	
46003	35.15	.030	6.50	8.00	0.78	1821	110.0	3.4	71.9	0.26	0.24	0.00	0.00	0.50	0.00	.361	.000	
46004	6.47	.170	24.00	14.90	0.00	2261				0.00	0.00	0.00	0.00	1.00	0.00	.500		
46005	11.82	.080	22.60	12.50	0.03	2103	121.0	3.0	81.6	0.00	0.00	0.00	0.00	1.00	0.00	.500	.000	
46801	6.47	.120	23.90	15.00	1.28	2003	115.0	3.0	78.2	0.00	0.00	0.00	0.00	1.00	0.00	.500	.000	
46802	3.62	.250	26.90	26.90	1.27	1966	119.0	3.0	74.4	0.00	0.00	0.00	0.00	1.00	0.00	.500	.000	

CATCHMENT CHARACTERISTICS

STATION	MSL	DVF	S1085	TAYSIO	STAFFRO	SAAR	M520	SUBBAR	RSMD	SOIL1	SOIL2	SOIL3	SOIL4	SOILS	SOIL	URBAN LAKE
46803																
46805	2.85	.240	75.90	44.50	0.38	2146	123.0	3.0	84.2	0.00	0.00	0.00	0.00	1.00	.500	.000 0.047
46806	7.68	.193	25.50	20.50	0.71	2197	87.5	3.0	58.3	0.00	0.00	0.00	0.00	1.00	.500	.000 0.000
46807	14.06	.063	24.60	15.50												
46808	1.54	.013	59.20	36.60												
47001	67.50	.015	1.60	1.75	1.79	1229	68.8	5.0	42.1	0.00	0.57	0.00	0.42	0.00	.364	.002 0.000
47004	32.41	.033	8.00	4.00	0.42	1436	68.9	4.8	43.7	0.00	0.69	0.00	0.00	0.31	.362	.000 0.000
47005	25.49	.099	4.90	3.80	1.31	1166	67.5	5.4	43.1	0.00	0.17	0.00	0.83	0.00	.425	.000 0.000
47006	22.48	.069	15.60	10.30	1.75	1356	75.3	4.4	48.5	0.00	0.41	0.00	0.59	0.00	.388	.000 0.000
47007	16.61	.050	17.80	20.20	0.75	1448	83.2	1.8	57.6	0.14	0.50	0.00	0.00	0.36	.350	.000 0.000
48002	35.07	.029	7.90	4.40	0.95	1518	72.3	5.0	45.5	0.00	0.44	0.00	0.00	0.56	.411	.000 0.007
48003	23.18	.051	6.70	6.20	0.75	1226	67.8	5.0	43.8	0.18	0.73	0.00	0.00	0.09	.291	.000 0.000
48005	7.18	.083	13.10	10.40	1.77	1121										
48006	11.97	.063	14.10	9.00	0.51											
48007	9.59	.063	19.20	13.40	0.79											
49001	31.30	.013	8.30	5.80	0.60	1378	71.2	5.0	45.0	0.00	0.73	0.00	0.00	0.27	.354	.006 0.000
49002	14.87	.113	6.50	5.80	0.33	1075	62.6	5.0	40.9	0.10	0.90	0.00	0.00	0.00	.284	.000 0.000
49003	6.67	.163	10.80	6.20	1.20	1681	83.9	5.0	55.3	0.00	0.00	0.00	0.00	1.00	.500	.000 0.000
49004	31.30	.013	8.30	5.80	0.60		71.2	5.0	45.0	0.00	0.69	0.00	0.00	0.31	.362	.000 0.000
50001	58.33	.011	4.80	8.00	0.77	1158	65.7	4.5	40.8	0.03	0.54	0.00	0.36	0.06	.361	.001 0.000
50002	76.52	.113	1.60	1.50	2.16	1186	67.7	5.0	41.9	0.02	0.16	0.00	0.80	0.02	.423	.002 0.000
50003	9.34	.033	35.70	26.80	0.51											
50801	4.60	.133	21.90	21.20	2.86											
50802	5.30	.133	23.40	28.80	2.48	1355										
50803	27.47	.029	7.00	8.80												
50804	7.04	.139	16.50	11.50												
50805	45.86	.013	7.90	8.60												
51801	13.25	.063	17.80	32.40	1.85											
52002	16.92	.063	6.70	10.40	0.82	909	65.9	8.2	40.4	0.29	0.33	0.38	0.00	0.00	.295	.000 0.928
52003																.007 0.000
52004	14.25	.080	5.10	11.20	0.70	904	67.1	8.6	40.8	0.09	0.00	0.20	0.71	0.00	.413	.031 0.000
52005	37.31	.049	5.60	5.00	0.72	993	63.4	11.0	34.8	0.18	0.47	0.35	0.00	0.00	.309	.006 0.000
52006	16.72	.059	5.50	5.10	1.27	846	62.5	7.4	38.6	0.19	0.00	0.62	0.19	0.00	.362	.019 0.000
52007	10.63	.129	5.60	23.90	1.15	846										
52008					0.93	1273										
52009	16.78	.150	9.20	2.30	0.12	906	56.8	9.0	32.8	0.73	0.00	0.24	0.03	0.00	.220	.053 0.000
52010	30.44	.059	2.80	2.25	0.77	909	55.8	9.0	31.8	0.00	0.00	0.63	0.37	0.00	.418	.000 0.000
52011	23.51	.029	1.50	1.40	0.30	751	52.7	9.0	30.4	0.00	0.00	0.52	0.48	0.00	.424	.000 0.000
52013	12.63	.089	7.50	12.20	0.75											
52014	18.54	.073	10.50	10.57	1.15											
52805	6.35	.059	12.20	17.30	2.15	886	52.5	7.0	32.6	0.00	0.00	0.60	0.40	0.00	.420	.007 0.000
53001	54.20	.053	0.80	1.00	0.47	815	50.7	9.0	27.2	0.29	0.03	0.19	0.49	0.00	.349	.000 0.000
53002	20.22	.219	2.20	3.90	0.37	785										
53003	82.70	.039	0.70	0.90	0.41	861	53.5	9.0	28.1	0.36	0.05	0.26	0.32	0.00	.320	.011 0.000
53004	22.85	.089	3.60	4.60	0.77	1913	61.3	9.0	35.5	0.23	0.00	0.55	0.23	0.00	.355	.000 0.000
53005	24.58	.039	3.00	1.60	0.73	998	62.9	9.0	36.6	0.61	0.00	0.39	0.00	0.00	.247	.009 0.000
53006	20.89	.039	4.10	2.80	0.47	820	57.5	9.0	34.9	0.23	0.00	0.28	0.50	0.00	.369	.009 0.000
53007	27.71	.069	2.50	3.20	0.33	983	58.1	9.0	32.8	0.32	0.00	0.49	0.19	0.00	.330	.010 0.000
53008	25.07	.193	1.60	0.80	0.54	838	51.7	9.0	28.5	0.37	0.00	0.38	0.25	0.00	.319	.004 0.000
53009	21.77	.099	4.00	4.10	0.80	1025	63.0	9.0	37.1	0.57	0.00	0.43	0.00	0.00	.257	.018 0.000

CATCHMENT CHARACTERISTICS

STATION	MSL	DVF	S1085	TAYSIO	STMFRO	SAAR	M520	S'DBAR	RSMD	SOIL1	SOIL2	SOIL3	SOIL4	SOIL5	SOIL	URBAN	LAKE
53801	11.91	.23	4.10	1.40	0.38	837	52.7	9.0	30.4	0.50	0.00	0.00	0.50	0.00	0.300	.000	0.000
53802	15.37	.06	3.90	2.60	0.65	786	53.2	9.0	23.7	0.47	0.00	0.53	0.00	0.00	0.282	.029	0.000
54001	206.32	.03	0.60	2.60	0.94	945	58.6	8.6	30.3	0.22	0.28	0.00	0.41	0.09	0.347	.003	0.017
54002	125.37	.02	0.80	0.90	0.66	683	46.7	12.2	20.1	0.10	0.00	0.11	0.76	0.00	0.412	.024	0.000
54003	12.23	.04	20.23	15.02	2.36	1908	117.0	3.0	77.8	0.00	0.17	0.00	0.00	0.83	0.665	.000	0.779
54004	28.81	.06	1.92	2.05	0.72	707	45.9	11.0	22.8	0.11	0.00	0.00	0.68	0.00	0.409	.193	0.000
54005	109.03	.03	1.20	6.00	1.53	1179	70.8	4.5	43.0	0.05	0.37	0.00	0.38	0.20	0.390	.002	0.036
54006	33.42	.02	2.38	2.19	0.42	721	49.7	11.0	25.1	0.72	0.12	0.00	0.00	0.00	0.172	.138	0.000
54007	36.17	.02	3.30	3.69	1.00	709	47.6	13.0	22.0	0.07	0.00	0.00	0.93	0.00	0.428	.012	0.000
54008	76.68	.03	3.04	2.61	0.90	871	54.8	8.9	29.5	0.00	0.79	0.00	0.19	0.02	0.333	.002	0.000
54009	22.77	.06	3.60	3.50													
54010	38.95	.02	2.90	2.70	0.95	711	48.8	13.0	22.8	0.21	0.00	0.14	0.65	0.00	0.379	.000	0.000
54011	27.00	.02	4.87	4.46	0.45	691	47.5	12.4	22.9	0.00	0.00	0.00	1.00	0.00	0.450	.031	0.000
54012	47.97	.02	1.54	1.57	0.11	729	48.0	10.7	23.6	0.65	0.00	0.00	0.35	0.00	0.256	.011	0.000
54013	18.51	.02	15.38	12.96	2.40	1803	97.4	1.0	67.2	0.00	0.36	0.00	0.00	0.64	0.429	.000	0.000
54014	54.58	.03	3.60	8.90	1.83	1257	74.7	2.5	49.1	0.00	0.44	0.00	0.37	0.20	0.394	.003	0.000
54016	40.22	.02	0.92	1.03	0.27	721	47.5	10.4	24.6	0.48	0.00	0.00	0.52	0.00	0.305	.002	0.000
54017	35.18	.03	2.11	2.09	0.95	737	57.3	9.0	33.0	0.07	0.76	0.17	0.00	0.00	0.306	.004	0.000
54018	25.35	.03	5.44	3.54	0.44	787	51.6	8.6	29.4	0.00	0.58	0.00	0.42	0.00	0.364	.000	0.000
54019	56.66	.04	1.40	1.50	0.51	676	44.9	11.0	22.0	0.30	0.00	0.00	0.70	0.00	0.359	.000	0.036
54020	31.85	.06	2.45	1.45	0.70	792	48.7	9.0	26.9	0.59	0.00	0.00	0.41	0.00	0.272	.000	0.000
54021	17.24	.03	18.10	22.00													
54022	4.84	.02	63.47	48.24	3.60	2449	119.0	1.0	81.8	0.00	0.00	0.00	0.00	1.00	0.500	.000	0.000
54801	171.96	.03	0.60	0.70	0.62	683											
54802	133.21	.02	0.90	4.80		1133											
54806	32.49	.02	7.80	12.40													
54809	247.59	.02	0.50	0.38	1.05	850	52.5	9.5	24.9	0.22	0.25	0.04	0.41	0.08	0.349	.000	0.000
54812	9.25	.03	16.99	11.73		909											
54813	14.03	.03	4.56	4.22		862											
55001	224.59	.02	1.10	2.10	1.04	1039	66.4	5.4	38.4	0.05	0.80	0.00	0.04	0.12	0.323	.003	0.037
55002	139.90	.04	2.00	3.90	1.05	1267	75.9	3.2	47.5	0.00	0.68	0.00	0.08	0.24	0.359	.001	0.080
55003	81.92	.04	2.32	1.74	0.60	836	81.0	7.4	49.9	0.15	0.81	0.00	0.00	0.04	0.287	.003	0.000
55004	21.34	.02	15.41	10.68	1.94	1953	98.6	1.0	67.4	0.00	0.05	0.00	0.00	0.95	0.489	.000	0.000
55005	32.46	.03	5.80	7.40	1.13	1664	102.0	1.4	69.5	0.00	0.65	0.00	0.00	0.55	0.410	.000	0.000
55006	68.39	.03	3.70	7.20	1.16	1872											
55008	4.35	.04	37.23	24.79	2.88	1425	93.0	2.2	60.1	0.00	0.57	0.00	0.09	0.34	0.381	.001	0.118
55009	31.77	.05	7.58	5.66	2.06	2532	120.0	1.0	82.4	0.00	0.00	0.00	0.00	1.00	0.500	.000	0.000
55010	5.37	.07	45.30	31.20	3.01	903	63.7	5.9	39.6	0.00	0.93	0.00	0.00	0.07	0.314	.000	0.000
55011					2.07	2661	117.0	1.0	79.5	0.00	0.00	0.00	0.00	1.00	0.500	.000	0.000
55015	8.54	.03	38.07	30.66	3.50	1405	87.5	5.0	58.3	0.00	0.33	0.00	0.00	0.67	0.433	.000	0.000
55018	18.92	.02	14.25	11.49	1.39	1977	120.0	1.0	81.7	0.00	0.19	0.00	0.00	0.81	0.463	.000	0.000
56001	87.68	.02	2.84	2.36	1.18	1388	85.5	2.4	55.6	0.00	0.64	0.00	0.01	0.34	0.370	.006	0.052
56002	33.70	.03	10.49	9.68	1.08	1491	88.6	3.4	58.3	0.00	0.08	0.00	0.53	0.40	0.458	.055	0.000
56003	20.21	.04	9.02	7.60	1.01	1193	74.4	1.4	52.5	0.00	0.78	0.00	0.00	0.22	0.344	.000	0.000
56004	48.89	.04	4.46	3.90	1.26	1498	84.9	1.2	59.1	0.00	0.60	0.00	0.00	0.40	0.379	.002	0.079
56005	26.82	.05	13.36	10.63	1.17	1425	93.2	3.4	62.7	0.00	0.42	0.00	0.29	0.29	0.387	.109	0.000
56006	22.46	.05	7.87	6.95	1.67	1708	92.5	1.0	62.9	0.00	0.53	0.00	0.00	0.47	0.322	.000	0.110
57003	54.06	.03	6.58	4.76	2.12	1835	107.0	3.0	69.3	0.00	0.00	0.00	0.20	0.80	0.490	.037	0.141
57004	25.75	.03	7.30	5.45	2.33	1801	119.0	3.0	79.5	0.00	0.00	0.00	0.10	0.90	0.495	.041	0.000

CATCHMENT CHARACTERISTICS

STATION	MSL	OVF	S1085	TAYSIO	STHERO	SAR	MS20	SIDBAR	RSMD	SOIL1	SOIL2	SOIL3	SOIL4	SOILS	SOIL	URBAN	LAKE
57005	42.26	0.48	9.23	7.12	2.17	1863	115.0	2.6	74.9	0.00	0.00	0.00	0.16	0.84	.492	.050	0.151
57006	20.15	0.22	10.33	11.08	3.04	2181	87.7	4.0	56.6	0.02	0.00	0.00	0.47	0.51	.469	.132	0.062
58001	24.35	0.45	13.50	8.30	2.63	1897	122.0	3.0	80.2	0.00	0.00	0.00	0.02	0.98	.499	.000	0.041
58002	13.55	0.61	9.25	8.52	1.41	1728	65.0	4.1	42.6	0.36	0.00	0.00	0.64	0.00	.341	.040	0.000
58003	13.35	0.61	17.22	15.26	2.87	1935	73.2	3.0	47.7	0.00	0.00	0.00	0.00	1.00	.500	.000	0.000
58004	37.85	0.21	10.35	6.15	2.61	1841	98.6	2.4	65.0	0.00	0.00	0.00	0.22	0.78	.489	.023	0.000
58005	81.52	0.12	4.14	2.25	1.19	1572	94.2	1.8	61.1	0.00	0.70	0.00	0.00	0.30	.359	.001	0.000
58006	47.04	0.22	4.82	3.87	0.82	1646	87.4	2.0	58.0	0.00	0.63	0.00	0.00	0.38	.375	.000	0.000
58007	32.01	0.35	3.85	3.37	1.18	1411	71.2	3.0	46.9	0.00	0.97	0.00	0.00	0.03	.307	.000	0.000
59007	34.15	0.14	10.15	6.91	1.66	1749	113.0	1.0	76.9	0.00	0.07	0.00	0.00	0.93	.485	.000	0.000
51001	26.43	0.78	2.74	2.55	0.89	1266	68.8	3.2	45.5	0.00	0.86	0.00	0.00	0.14	.329	.000	0.000
51002	22.99	0.12	10.38	7.57	0.89	1461	73.4	3.0	48.4	0.00	0.84	0.00	0.00	0.16	.332	.000	0.000
52001	98.35	0.22	1.82	1.78	0.72	1389	74.0	2.2	48.0	0.00	0.89	0.00	0.05	0.07	.321	.001	0.000
53001	37.85	0.26	10.61	7.69	1.45	1488	84.0	1.6	57.2	0.00	0.80	0.00	0.00	0.20	.340	.000	0.000
53002	34.87	0.14	9.89	5.48	1.40	1771	100.0	2.4	66.5	0.00	0.55	0.00	0.00	0.45	.390	.000	0.249
54001	37.47	0.10	5.22	5.09	2.79	1843	97.3	1.4	64.0	0.00	0.50	0.00	0.00	0.50	.400	.000	0.000
55001	15.28	0.43	33.37	5.46	5.93	3279	172.0	5.0	109.1	0.00	0.00	0.00	0.00	1.00	.500	.000	0.046
55801	4.49	0.13	52.71	33.22	7.36	4128	175.0	5.0	110.6	0.00	0.00	0.00	0.00	1.00	.500	.000	0.046
55901	6.68	0.20	68.39	45.75		2840				0.00	0.00	0.00	0.00	1.00	.500	.000	1.000
56001	45.53	0.06	6.03	4.73	1.06	1175	68.2	8.6	43.4	0.01	0.85	0.00	0.00	0.14	.328	.000	0.021
56002	18.67	0.56	17.38	11.06	1.85	1171	63.2	8.6	37.2	0.00	0.67	0.00	0.00	0.33	.367	.000	0.034
56011	23.84	0.29	17.07	7.47	4.18	2284	100.0	5.4	66.1	0.00	0.51	0.00	0.00	0.49	.398	.000	0.001
56801	5.77	0.75	16.27	14.75	2.68	2602	175.0	3.6	117.5	0.00	0.00	0.00	0.00	1.00	.500	.000	0.150
57001	21.84	0.43	13.93	2.54	2.54	1933				0.00	0.53	0.00	0.07	0.40	.391	.001	0.212
57002	96.96	0.19	1.42	1.33	1.62	1455	80.5	5.8	48.3	0.00	0.00	0.00	0.00	1.00	.500	.000	0.000
57003	6.93	0.06	13.30	13.64	1.83	1308	70.4	7.8	43.5	0.00	0.00	0.00	0.00	1.00	.500	.000	0.000
57004	29.15	0.50	10.72	10.60	1.01	1257	70.3	6.2	44.1	0.00	0.43	0.00	0.00	0.57	.414	.000	0.000
57005	27.60	1.07	9.23	5.38	1.83	1333	76.3	6.2	47.6	0.00	0.49	0.00	0.00	0.51	.401	.000	0.084
57007	62.63	0.16	1.42	1.10	1.92	1562	85.6	5.0	52.8	0.00	0.52	0.00	0.06	0.42	.393	.000	0.303
57008	43.18	0.26	5.31	4.93	0.93	910	56.8	9.0	32.1	0.20	0.71	0.00	0.00	0.08	.286	.014	0.010
57009	22.44	0.93	6.11	6.85	1.12	971	58.2	9.0	33.6	0.55	0.36	0.00	0.00	0.09	.236	.000	0.000
57010	6.38	1.87	17.99	11.82	1.37	2459	125.0	4.2	82.5	0.00	0.25	0.00	0.00	0.75	.450	.000	0.000
57013	9.89	0.59	31.52	26.26	2.27	1747											
57014	52.19	0.19	3.21	1.15	1.97	2065											
57018	12.33	0.74	23.06	15.46	3.84	1991	125.0	4.0	81.9	0.00	0.13	0.00	0.06	0.81	.472	.000	0.348
57801	20.91	1.44	11.88	6.04	1.78	825	50.2	6.6	28.2	0.06	0.38	0.00	0.33	0.23	.387	.010	0.122
57803	132.85	0.02	1.51	1.07	1.22												
58001	53.37	0.10	1.30	1.00	0.38	772	48.5	7.0	27.8	0.53	0.47	0.00	0.00	0.00	.220	.005	0.015
58002	28.21	0.49	1.89	1.79	0.35	754	55.8	9.0	32.3	0.32	0.00	0.00	0.68	0.00	.355	.000	0.000
58003	64.00	0.12	3.86	2.90	0.78	874	50.5	5.9	30.4	0.36	0.00	0.04	0.48	0.12	.346	.012	0.006
58004	18.08	0.58	4.04	4.81	0.36	785	48.3	7.6	28.4	0.80	0.00	0.00	0.20	0.00	.210	.100	0.000
58005	23.89	0.39	1.50	1.90	0.24	772	48.2	9.2	26.1	0.68	0.00	0.00	0.32	0.00	.247	.000	0.030
58006	31.48	0.23	9.41	7.60	1.42	1034	55.4	4.0	36.0	0.10	0.00	0.00	0.60	0.25	.430	.021	0.015
58007	23.04	0.11	3.91	4.01	0.36	833	49.4	6.6	29.8	0.46	0.00	0.00	0.56	0.00	.317	.004	0.021
58801	28.54	0.25	11.00	7.89	1.50	1037	55.2	4.0	35.9	0.00	0.00	0.00	0.00	1.00	.500	.000	0.016
58802	4.81	0.45	3.43	3.31	0.19	749	47.5	7.0	29.7	0.00	0.00	0.00	1.00	0.00	.450	.000	0.000
59001	70.05	0.04	2.52	1.71	1.19	1118	64.1	3.9	40.7	0.00	0.00	0.24	0.22	0.19	.446	.266	0.154

CATCHMENT CHARACTERISTICS

STATION	MSL	OVF	S1085	TAYSIO	STHFRQ	SAAR	M52D	SYDRAR	RSMD	SOIL1	SOIL2	SOIL3	SOIL4	SOIL5	SOIL	URBAN	LAKE	
60002	56.97	.009	3.83	3.23	1.00	1265	64.8	3.8	41.0	0.00	0.00	0.00	0.14	0.30	0.70	.484	.193 0.129	
60003	16.84	.083	5.26	5.76	0.58	1064	57.5	3.6	38.3	0.00	0.00	0.00	0.30	0.70	0.485	.584	0.000	
60005	39.62	.035	4.00	3.71	0.64	911	53.1	5.0	29.1	0.47	0.00	0.13	0.20	0.08	0.287	.039	0.128	
60006	61.21	.005	3.03	2.23	1.22	1126	63.8	3.6	40.8	0.00	0.00	0.18	0.25	0.56	.469	.447	0.159	
60007	22.75	.075	9.95	6.25	0.66	931	57.3	3.8	38.6	0.00	0.00	0.22	0.33	0.00	0.430	.012	0.075	
60008	17.54	.045	9.07	6.90	0.66	873	54.5	3.6	36.9	0.00	0.00	0.19	0.48	0.00	0.436	.300	0.000	
60016	18.80	.056	9.81	8.86	1.02	1303	69.8	4.8	44.8	0.00	0.00	0.00	0.39	0.44	.477	.009	0.528	
60021	5.86	.085	35.85	33.52	7.54	1530	87.3	2.6	60.6	0.00	0.00	0.00	0.40	0.60	.480	.113	0.172	
60022	31.25	.016	4.73	4.89	0.71	1231	70.5	3.0	47.1	0.00	0.00	0.00	0.00	0.50	.500	.081	0.176	
60024	38.20	.007	6.90	4.90	0.72	1179	68.9	3.0	46.3	0.00	0.00	0.00	0.10	0.51	.492	.218	0.167	
60025	0.90	.427	112.13	97.72	1.54	1125	57.5	3.0	40.5	0.00	0.00	1.00	0.00	0.00	.400	.000	0.000	
60026	2.63	.206	89.57	81.36	2.58	1486	87.5	3.0	61.1	0.00	0.00	0.00	0.00	1.00	.500	.086	0.084	
60901	9.06	.127	5.85	6.52	0.25	1064												
70801	34.30	.022	3.55	3.27	0.66	1323	76.3	1.9	49.7	0.00	0.00	0.00	0.65	0.35	.467	.000	0.052	
70802	93.95	.005	3.02	2.31	1.42	1839	95.0	3.0	64.7	0.00	0.00	0.00	0.00	1.00	.500	.027	0.053	
71003	5.15	.212	35.60	36.46	3.36	1227	68.4	1.8	43.7	0.00	0.00	0.00	0.71	0.29	.464	.000	0.000	
71004	26.53	.031	4.22	4.31	0.89	1524	82.3	1.0	58.7	0.00	0.00	0.00	0.00	1.00	.500	.000	0.000	
71005	5.02	.216	30.80	24.59	3.87	1610	77.5	1.8	53.6	0.00	0.00	0.00	0.60	0.40	.470	.006	0.048	
71007	72.89	.006	3.66	2.59	0.72	1529	74.3	1.0	54.2	0.00	0.00	0.00	0.35	0.65	.483	.006	0.000	
71002	43.11	.011	4.80	2.99	1.28	1567	84.2	2.6	55.7	0.00	0.00	0.00	0.36	0.64	.482	.005	0.134	
71803	36.35	.015	4.66	5.23	1.19	1809	95.0	3.0	64.2	0.00	0.00	0.00	0.00	1.00	.500	.000	0.000	
71804	7.52	.223	28.52	24.67	2.81	1577	83.7	1.5	54.5	0.00	0.10	0.00	0.27	0.57	.444	.000	0.000	
72001	60.32	.025	2.86	2.11	2.05	1257	69.9	4.6	44.5	0.00	0.05	0.00	0.64	0.31	.458	.000	0.000	
72002	49.82	.025	3.69	2.27	1.09	1875	83.9	1.5	53.9	0.06	0.10	0.00	0.27	0.57	.447	.000	0.000	
72803	59.48	.023	2.90	2.45	2.06	1780	79.4	1.9	52.5	0.11	0.07	0.00	0.00	0.82	.448	.000	0.000	
72804	21.11	.063	9.92	5.44	2.55	1388	73.8	2.6	49.1	0.00	0.00	0.00	0.72	0.28	.444	.000	0.000	
72807	29.00	.019	11.62	8.03	1.33	2195	93.3	4.1	58.7	0.00	0.03	0.00	0.00	0.97	.493	.005	0.999	
73001	31.98	.019	1.26	2.05	3.28	2247	129.0	5.0	83.5	0.00	0.00	0.00	0.00	1.00	.500	.000	0.770	
73002	16.31	.060	16.44	4.03	3.68	1025										.021	0.038	
73005	12.35	.048	19.75	7.14	4.30	2529												
73013	10.95	.051	13.63	4.85	4.54	2673	152.0	5.0	98.1	0.00	0.00	0.00	0.00	1.00	.500	.024	0.043	
73804	24.28	.024	9.98	7.40	1.92	1088	87.6	1.0	58.8	0.16	0.22	0.00	0.00	0.62	.401	.000	0.087	
74001	19.58	.025	13.82	13.64	2.98	2187	137.0	5.0	88.5	0.00	0.27	0.00	0.00	0.73	.445	.000	0.651	
74002	2.85				2.85												.000	0.625
74801	3.44				3.44													
75001	2.76				2.76													
75002	54.77	.022	1.67	1.24	2.41	1821	91.1	4.2	56.7	0.00	0.00	0.00	0.69	0.31	.465	.003	0.484	
75003	2.84				2.84												.000	0.783
75004	2.23				2.23												.000	0.335
76001	3.24				3.24													
76002	101.53	.007	1.90	1.34	1.42	1369	72.3	3.8	44.7	0.15	0.00	0.40	0.16	0.29	.399	.001	0.000	
76003	58.81	.007	1.13	0.43	2.06	1882	94.1	2.9	60.6	0.00	0.00	0.06	0.20	0.75	.485	.002	0.604	
76004	28.03	.044	7.39	5.11	1.88	1890	87.0	2.9	56.9	0.00	0.00	0.00	0.13	0.87	.494	.000	0.201	
76005	57.34	.013	3.81	2.43	1.36	1219	87.2	4.0	56.4	0.32	0.00	0.40	0.27	0.01	.336	.000	0.000	
76008	55.27	.004	5.82	3.91	1.47	1049	50.3	4.2	37.9	0.00	0.00	0.24	0.00	0.76	.476	.002	0.000	
76011	1.90	.203	25.46	25.76	6.00	1143	67.5	5.0	45.8	0.00	0.00	0.00	0.00	1.00	.500	.000	0.000	

CATCHMENT CHARACTERISTICS

STATION	MSL	DVF	S1085	TAYSIO	STEMRO	SAAR	M520	S10BAR	RSMD	SOIL1	SOIL2	SOIL3	SOIL4	SOIL5	SOIL	URBAN	LAKE
76801	7.37	1.63	39.83	28.27		2127											
77001	61.02	0.16	3.83	3.70	2.29	1502	73.3	2.6	46.9	0.00	0.00	0.35	0.00	0.65	.465	.000	0.000
77011	55.53	0.09	3.72	4.07	2.11	1550	75.2	2.4	47.7	0.00	0.00	0.33	0.00	0.67	.467	.000	0.032
78004	24.18	0.35	10.60	9.69	2.25	1510	70.6	1.8	47.0	0.00	0.00	0.36	0.00	0.64	.464	.000	0.000
78002	22.22	0.13	3.23	3.30	2.68	1598	77.1	2.8	47.8	0.00	0.00	0.41	0.03	0.55	.457	.016	0.039
79003	24.82	0.51	5.22	6.34	1.97	1692	78.7	3.0	50.3	0.00	0.00	0.09	0.20	0.71	.481	.033	0.074
79004	24.75	0.37	13.08	12.30	3.86	1700	81.2	3.0	52.1	0.00	0.00	0.22	0.00	0.78	.478	.000	0.000
79005	38.54	0.22	5.37	4.74	2.26	1407	81.3	3.0	52.4	0.00	0.00	0.40	0.00	0.60	.460	.000	0.046
80001	33.44	0.21	6.70	7.01	1.73	1321	80.6	3.0	52.4	0.00	0.00	0.19	0.00	0.81	.481	.000	0.000
80801	7.85	1.33	17.52	7.86	3.03	2127	64.7	3.0	41.4	0.00	0.00	0.00	0.00	1.00	.500	.000	0.601
81002	29.01	0.52	8.09	4.82	2.97	1715	85.7	3.0	54.0	0.00	0.00	0.00	0.00	1.00	.500	.003	0.084
82001	49.45	0.14	7.39	3.76	1.81	1435	71.7	4.0	44.8	0.00	0.00	0.00	0.58	0.42	.471	.028	0.095
83001	3.06	1.12	6.00	4.63		1643	87.3	3.0	58.9	0.00	0.00	0.00	0.00	1.00	.500	.085	0.000
83002	17.78	0.27	20.54	13.07	2.32	1742	77.3	3.0	49.7	0.00	0.00	0.00	0.64	0.36	.468	.069	0.000
83802	24.81	0.33	8.22	6.98	1.09	1254	64.8	4.6	40.0	0.00	0.00	0.00	0.71	0.29	.465	.069	0.000
84001	27.70	0.83	12.02	2.02	0.96	1245	64.6	3.2	40.9	0.00	0.00	0.00	0.81	0.18	.459	.102	0.016
84002	6.42	0.01	28.50	24.56	2.34	2329	111.0	3.0	72.6	0.00	0.00	0.00	0.00	1.00	.500	.000	0.000
84003	80.65	0.07	1.64	1.71	1.13	1262	77.5	3.0	44.4	0.00	0.00	0.66	0.05	0.50	.452	.019	0.066
84004	65.01	0.08	1.74	2.50	1.13	1339	74.1	2.9	46.5	0.00	0.00	0.51	0.00	0.49	.469	.004	0.097
84005	105.17	0.05	2.92	1.79	1.11	1222	60.0	3.1	42.1	0.00	0.00	0.32	0.26	0.45	.457	.036	0.056
84006	13.20	1.60	35.16	16.08	1.11	1331	62.2	3.6	39.9	0.00	0.00	0.00	0.94	0.06	.453	.099	0.000
84008	18.89	0.35	13.45	10.23	1.05	1175	66.3	3.0	43.9	0.00	0.00	0.13	0.75	0.06	.467	.238	0.000
84011	22.43	0.29	9.54	8.87	3.13	1729	75.0	3.0	48.4	0.00	0.00	0.00	0.74	0.26	.463	.098	0.000
84012	31.13	0.17	6.19	5.94	1.06	1264	65.8	3.0	42.2	0.00	0.00	0.34	0.31	0.14	.437	.265	0.070
84013	112.82	0.05	2.79	1.43	1.09	1204	68.6	3.2	41.6	0.00	0.00	0.36	0.23	0.40	.452	.098	0.052
84014	36.94	0.18	5.22	5.18	1.22	1205	67.7	3.0	43.3	0.00	0.00	0.01	0.57	0.42	.471	.056	0.085
84015	16.88	0.30	26.81	5.82	1.03	1261	64.7	3.2	41.2	0.00	0.00	0.00	0.70	0.30	.465	.091	0.000
84016	8.38	0.00	12.74	7.25	1.92	1086	62.5	5.0	39.8	0.00	0.00	0.00	1.00	0.00	.450	.130	0.000
84803	28.78	0.33	6.97	6.41	0.60	1011	62.9	4.2	40.2	0.00	0.00	0.00	0.81	0.19	.460	.363	0.024
84806	92.46	0.06	3.16	1.87	1.41	1126	70.4	2.7	44.2	0.00	0.00	0.42	0.11	0.47	.453	.026	0.057
85001	61.43	0.14	3.39	1.27	2.70	2168	95.3	2.1	62.8	0.00	0.00	0.00	0.35	0.53	.480	.010	0.993
85002	34.86	0.49	8.73	6.46	1.89	1478	109.0	3.0	55.9	0.00	0.07	0.14	0.61	0.18	.461	.011	0.131
85801	6.45	2.19	25.38	23.44													
85803	6.83	2.09	24.31	22.66		1626											
87801	1.71	4.57	94.56	93.99	4.47	3454	138.0	1.0	108.9	0.00	0.00	0.00	0.00	1.00	.500	.000	0.000
90801	13.01	0.26	30.61	27.36	2.63	2961	155.0	1.0	87.7	0.00	0.00	0.00	0.00	1.00	.500	.000	0.000
91802	3.73	2.49	117.73	81.23	3.09	2375	134.0	1.0	75.1	0.00	0.00	0.00	1.00	0.00	.450	.000	0.000
94801	52.92	0.12	6.40	3.31		2249	79.1	1.0	60.7	0.00	0.00	0.00	0.00	0.91	.500	.000	0.000
95801	21.03	0.36	5.91	2.68	2.00	2085	102.0	1.0	60.4	0.00	0.00	0.00	0.00	0.86	.500	.000	0.381
95802	26.67	0.45	8.31	3.54		2987											
95803	14.44	0.37	11.87	7.34		2077	87.5	1.0	67.9	0.00	0.00	0.00	0.00	1.00	.500	.000	0.000
201004	0.86	0.33	57.00	57.9	3.70	1230	60.0	4.5	39.5	0.00	0.00	0.00	1.00	0.00	.450	.000	0.000
201006	6.43	0.86	52.03	53.18	0.81	1653	96.8	4.5	66.9	0.00	0.00	0.00	1.00	0.00	.450	.000	0.067
303001			1.99	2.16	1.65	1483	82.9	4.9	50.8	0.00	0.50	0.00	0.40	0.10	.380	.000	0.086
304004			0.52	1.15	0.51	875	50.8	3.8	32.0	0.00	0.22	0.00	0.78	0.00	.417	.000	0.000
304005			5.01	1.54	1.57	966	54.7	4.1	33.9	0.00	0.66	0.00	0.21	0.12	.356	.000	0.000
304006			0.19	0.70	1.09	906	52.6	4.0	31.7	0.00	0.46	0.00	0.50	0.04	.383	.000	0.000
304018			0.38	0.52	1.04	894	51.2	4.9	34.2	0.30	0.24	0.02	0.37	0.07	.325	.000	0.000
304019			0.28	0.52	0.94	887	51.5	4.2	35.0	0.14	0.53	0.02	0.28	0.03	.329	.000	0.000
305001			4.16	2.97	1.35	1159	80.8	5.5	49.9	0.00	0.90	0.00	0.00	0.10	.321	.000	0.000

CATCHMENT CHARACTERISTICS

STATION	MSL	DVF	\$1085	TAYSIO	STMFR0	SAAR	M52D	\$INDBAR	RSMD	SOIL1	SOIL2	SOIL3	SOIL4	SOIL5	SOIL	URBAN	LAKE
3 5002	1.22	1.27	0.95	71.9	5.0	41.8	0.00	0.46	0.00	0.23	0.31	396	.000	0.000			
3 5003	2.02	1.76	1.05	71.9	3.8	43.7	0.00	0.22	0.00	0.34	0.44	439	.000	0.000			
3 5004	1.29	1.84	0.72	63.3	4.5	39.6	0.00	0.67	0.00	0.20	0.13	356	.000	0.000			
3 5005	2.53	2.64	0.85	74.2	5.0	45.9	0.00	0.57	0.00	0.24	0.19	376	.000	0.000			
3 5001	1.83	2.19	1.59	66.5	2.5	42.6	0.00	0.00	0.02	0.24	0.74	486	.000	0.170			
3 5002	0.46	0.82	0.41	1100	57.8	2.5	37.0	0.00	0.27	0.21	0.49	400	.000	0.966			
3 5003	0.20	0.34	0.42	1100	57.5	2.5	37.5	0.00	0.54	0.10	0.37	0.00	365	.000	0.354		
3 5001	2.32	2.19	0.60	941	52.2	3.5	33.4	0.45	0.54	0.00	0.00	0.01	234	.000	0.000		
3 5002	12.72	10.16	1.03	901	53.1	2.7	37.8	0.68	0.32	0.00	0.00	0.00	198	.000	0.056		
3 5003	0.51	0.90	1.13	900	53.1	4.2	33.4	0.01	0.68	0.00	0.31	0.00	345	.000	0.000		
3 5004	2.55	2.35	1.10	1023	57.7	3.7	36.5	0.00	0.54	0.00	0.00	0.45	367	.000	1.000		
3 5005	0.43	0.64	0.86	912	51.8	3.5	31.5	0.30	0.58	0.00	0.12	0.00	273	.000	0.020		
3 5006	3.32	3.30	1.05	939	54.2	4.5	33.7	0.00	0.65	0.28	0.00	0.07	342	.000	0.000		
3 5007	0.67	0.82	0.65	912	50.6	3.4	31.8	0.17	0.58	0.00	0.26	0.00	314	.000	0.000		
3 5008	2.06	2.17	0.81	920	53.8	3.5	35.3	0.13	0.87	0.00	0.00	0.00	280	.000	0.000		
3 5009	0.56	0.75	0.92	906	51.9	3.5	36.0	0.33	0.53	0.00	0.14	0.00	272	.000	0.016		
3 5010	1.97	1.76	0.96	967	54.1	4.2	32.8	0.04	0.72	0.08	0.14	0.02	327	.000	0.357		
3 5011	2.11	1.78	1.01	1019	57.4	3.7	36.2	0.06	0.53	0.00	0.41	0.41	352	.000	0.871		
3 5009	0.68	0.82	0.95	925	52.4	4.0	30.6	0.22	0.61	0.02	0.14	0.01	292	.000	0.113		
3 11001	5.55	2.53	2.07	920	54.3	4.2	34.2	0.00	1.00	0.00	0.00	0.00	300	.000	0.000		
3 11003	0.68	1.04	0.91	952	46.9	3.7	29.1	0.24	0.37	0.40	0.00	0.00	304	.000	0.080		
3 11006	0.89	0.74	0.87	919	50.8	3.1	30.5	0.06	0.38	0.19	0.08	0.30	382	.000	0.168		
3 13001	0.84	0.73	0.47	948	55.6	2.5	39.6	0.00	0.98	0.00	0.00	0.02	303	.000	0.061		
3 13002	2.37	0.94	0.68	1037	57.1	2.5	37.8	0.00	1.00	0.00	0.00	0.00	300	.000	0.127		
3 13003	3.40	2.02	0.35	900	52.5	2.5	35.3	0.00	1.00	0.00	0.00	0.00	300	.000	0.000		
3 15001	6.12	4.01	1.18	1550	76.1	2.5	49.6	0.00	0.00	0.60	0.23	0.15	428	.000	0.323		
3 15002	1.55	1.56	0.80	1002	54.4	2.5	35.4	0.00	0.37	0.00	0.63	0.00	394	.000	1.000		
3 15005	3.66	2.89	1.78	1022	54.9	5.1	33.5	0.00	0.00	0.07	0.49	0.49	464	.000	0.464		
3 15006	2.62	1.91	0.85	943	56.0	5.3	33.3	0.00	0.52	0.00	0.29	0.19	382	.000	0.722		
3 15009	1.15	0.83	0.95	946	54.5	3.8	32.7	0.00	0.24	0.10	0.11	0.56	437	.000	0.683		
3 19010	1.62	1.13	0.89	939	54.8	4.9	32.6	0.00	0.35	0.00	0.48	0.17	405	.000	0.543		
3 22001	2.89	3.17	1.17	1000	59.3	6.3	35.2	0.05	0.92	0.00	0.00	0.03	299	.000	0.774		
3 22002	5.36	3.39	1.36	1070	61.7	5.2	54.5	0.00	0.96	0.00	0.00	0.04	308	.000	1.000		
3 23002	4.50	4.20	1.78	1281	63.9	3.9	39.0	0.00	0.00	0.04	0.45	0.51	473	.000	0.000		
3 24002	0.32	0.52	0.53	1255	57.2	4.5	34.1	0.14	0.20	0.10	0.16	0.40	393	.000	1.000		
3 24003	2.10	1.57	0.51	1415	61.9	4.5	38.0	0.12	0.50	0.00	0.20	0.18	348	.000	0.426		
3 27001	0.90	1.09	0.97	920	55.1	5.7	32.8	0.00	0.84	0.16	0.00	0.00	316	.000	0.592		
3 27003	2.37	1.51	1.04	924	53.5	5.5	31.9	0.00	0.76	0.21	0.00	0.03	327	.000	0.288		
3 27033	3.68	2.17	0.96	939	53.3	5.1	32.6	0.00	0.75	0.22	0.00	0.03	329	.000	0.381		
3 27036	5.49	1.32	1.15	929	54.0	5.5	33.5	0.00	0.79	0.21	0.00	0.00	321	.000	0.806		
3 28001	4.34	1.93	1.33	1280	60.1	4.5	36.7	0.00	0.00	0.27	0.36	0.36	454	.000	0.962		
3 31001	0.23	0.66	0.73	916	52.1	2.5	32.8	0.34	0.53	0.00	0.12	0.01	274	.000	0.706		
3 31003	0.57	0.76	0.61	923	53.1	2.6	33.8	0.44	0.38	0.00	0.17	0.01	262	.000	1.000		
3 31005	1.20	1.10	0.65	928	53.6	2.6	34.7	0.61	0.23	0.00	0.14	0.02	247	.000	0.783		
3 31006	1.78	1.63	0.73	930	53.6	2.7	34.9	0.47	0.28	0.00	0.21	0.03	283	.000	0.994		
3 32001	9.19	5.33	1.18	1103	56.4	3.9	35.7	1.00	0.00	0.00	0.00	0.00	150	.000	0.000		
3 32002	1.61	1.88	0.51	980	52.5	3.5	33.4	0.74	0.00	0.00	0.17	0.09	232	.000	0.000		
3 36001	20.74	18.39	2.63	1218	67.5	3.7	44.9	0.00	0.23	0.00	0.46	0.31	431	.000	0.000		
3 37001	2.31	2.36	0.66	860	53.7	5.4	32.7	0.00	0.75	0.00	0.25	0.00	338	.000	0.000		
3 38002	0.47	5.90	1.74	1030	59.6	4.5	37.4	0.52	0.05	0.00	0.03	0.41	309	.000	0.000		

CATCHMENT CHARACTERISTICS

STATION	MSL	WVF	\$1035	TAVSIO	STWRO	SAAR	M52D	SIDBAR	RSMD	SOIL1	SOIL2	SOIL3	SOIL4	SOIL5	SOIL	URBAN	LAKE
338003	6.47	6.01	0.78	926	52.4	4.5	32.8	0.81	0.12	0.00	0.00	0.03	0.03	0.190	.000	0.000	
339001	2.96	3.18	0.72	985	54.3	4.7	32.3	0.00	0.67	0.03	0.19	0.11	0.11	0.354	.000	0.000	
339003	4.79	4.50	1.04	1052	61.5	4.5	38.8	0.00	0.51	0.00	0.27	0.22	0.22	0.384	.000	0.000	
340005	3.16	2.18	0.82	1077	57.2	4.6	35.5	0.00	0.93	0.01	0.00	0.06	0.06	0.314	.000	0.000	
340003	6.28	3.33	1.83	1292	66.8	3.5	42.2	0.00	0.03	0.01	0.72	0.25	0.25	0.457	.000	0.000	
340002	6.28	3.33	1.83	1292	58.1	3.5	36.2	0.00	0.03	0.01	0.72	0.25	0.25	0.457	.000	0.000	
343002	0.99	0.76	0.41	1250	59.3	2.5	41.6	0.00	0.19	0.52	0.07	0.23	0.23	0.411	.000	0.470	
343005	2.03	1.06	0.79	1185	58.7	2.5	37.8	0.00	0.53	0.32	0.13	0.02	0.02	0.355	.000	0.194	
343007	4.44	3.19	1.39	1500	77.3	2.1	50.7	0.00	0.03	0.08	0.88	0.00	0.00	0.439	.000	0.034	
343010	2.58	0.98	0.82	1317	61.7	2.5	39.1	0.00	0.00	0.57	0.05	0.38	0.38	0.440	.000	0.024	
343013	14.00	2.31	0.82	1520	67.9	2.6	43.6	0.00	0.00	0.09	0.14	0.77	0.77	0.484	.000	0.022	
344001	1.76	1.96	1.82	1127	59.3	5.1	35.1	0.00	0.27	0.01	0.43	0.29	0.29	0.424	.000	0.000	
344002	8.18	6.85	1.95	1250	63.3	5.5	38.1	0.00	0.00	0.02	0.39	0.59	0.59	0.478	.000	0.000	
344003	2.19	1.60	1.80	1085	58.3	4.9	35.2	0.00	0.44	0.00	0.42	0.14	0.14	0.391	.000	0.000	
344004	7.18	5.28	3.18	1730	65.0	5.0	39.1	0.00	0.36	0.00	0.43	0.20	0.20	0.406	.000	0.000	
344005	3.13	2.54	1.10	1145	58.1	4.5	35.9	0.00	0.52	0.00	0.44	0.05	0.05	0.375	.000	0.000	
346003	4.12	4.49	1.26	1040	59.2	4.6	37.2	0.39	0.35	0.07	0.00	0.19	0.19	0.288	.000	0.000	
346004	5.00	3.41	1.21	1043	59.1	4.5	36.5	0.29	0.45	0.03	0.03	0.19	0.19	0.302	.000	0.000	
347001	3.72	3.20	1.56	985	54.8	5.5	33.8	0.00	0.47	0.00	0.41	0.12	0.12	0.386	.000	0.000	
347002	0.85	0.71	1.19	950	54.8	4.9	31.2	0.36	0.22	0.01	0.20	0.22	0.22	0.319	.000	0.000	
347003	3.52	4.35	1.43	1028	52.7	5.2	31.4	0.05	0.00	0.00	0.39	0.56	0.56	0.463	.000	0.000	
347004	0.83	1.00	1.30	970	56.8	4.5	34.7	0.18	0.63	0.00	0.08	0.10	0.10	0.306	.000	0.000	
347005	2.01	2.07	0.82	912	55.3	4.6	33.9	0.52	0.23	0.02	0.14	0.09	0.09	0.261	.000	0.000	
347006	0.94	1.02	1.25	957	55.8	4.3	36.0	0.28	0.23	0.00	0.31	0.18	0.18	0.341	.000	0.000	
347007	1.20	1.29	1.54	1030	58.9	4.5	36.3	0.00	0.50	0.00	0.10	0.41	0.41	0.396	.000	0.000	
347008	2.56	2.23	1.35	965	57.9	4.5	36.7	0.00	0.47	0.00	0.21	0.32	0.32	0.395	.000	0.000	
347009	6.20	3.88	1.75	1035	55.1	5.5	33.8	0.00	0.23	0.00	0.51	0.26	0.26	0.429	.000	0.000	
348001	3.70	3.11	1.21	1140	67.5	5.5	42.0	0.00	1.00	0.00	0.00	0.00	0.00	0.300	.000	0.000	
352001	1.38	0.26	0.51	1134	56.6	2.5	36.5	0.00	0.00	0.62	0.04	0.34	0.34	0.432	.000	0.899	
352003	1.25	1.56	1.49	1200	57.3	2.3	37.1	0.00	0.00	0.54	0.00	0.46	0.46	0.475	.000	0.422	
352004	6.17	0.90	0.75	1126	57.5	2.5	37.9	0.00	0.00	0.40	0.14	0.45	0.45	0.452	.000	0.000	
353001	0.70	1.04	0.89	1100	58.2	2.5	38.4	0.00	0.65	0.00	0.35	0.00	0.00	0.353	.000	0.983	
355001	1.24	0.99	0.55	965	57.5	2.5	37.6	0.00	0.18	0.00	0.13	0.69	0.69	0.458	.000	0.649	
355002	4.95	2.35	0.64	940	57.5	2.5	38.5	0.00	0.50	0.00	0.00	0.50	0.50	0.400	.000	0.268	
355003	2.90	1.59	0.46	950	57.5	2.5	38.5	0.00	0.00	0.00	0.97	0.03	0.03	0.452	.000	0.212	
356001	2.66	2.13	0.47	912	52.4	4.5	32.6	0.94	0.03	0.00	0.00	0.03	0.03	0.165	.000	0.121	
350001	1.93	1.48	0.45	1040	57.5	2.5	37.6	0.00	0.45	0.00	0.53	0.00	0.00	0.382	.000	0.017	
350002	0.58	0.64	0.43	1027	57.6	2.5	36.8	0.14	0.45	0.00	0.41	0.00	0.00	0.340	.000	0.069	
350003	2.34	2.06	0.22	1100	56.1	3.0	36.6	0.12	0.88	0.00	0.00	0.00	0.00	0.282	.000	0.000	
350005	0.50	0.45	0.39	1032	56.7	2.5	35.7	0.13	0.37	0.00	0.50	0.00	0.00	0.355	.000	0.069	
350007	0.45	0.42	0.40	1016	56.4	2.5	35.4	0.16	0.35	0.00	0.49	0.00	0.00	0.349	.000	0.064	
360002	1.06	1.43	0.52	930	57.2	4.7	38.8	0.16	0.33	0.00	0.43	0.06	0.06	0.354	.000	0.000	
360003	6.50	3.10	1.31	1145	64.2	4.5	39.9	0.00	0.37	0.00	0.22	0.41	0.41	0.416	.000	0.000	
360007	3.14	2.86	1.40	1210	72.0	4.7	44.8	0.00	0.17	0.00	0.38	0.46	0.46	0.468	.000	0.000	
360008	0.96	1.35	0.95	1005	59.1	4.6	35.2	0.09	0.54	0.00	0.20	0.17	0.17	0.352	.000	0.000	
360009	1.07	1.32	0.97	1100	61.8	4.7	36.2	0.10	0.41	0.00	0.29	0.20	0.20	0.370	.000	0.000	
360011	0.93	1.04	0.96	1120	64.7	4.9	37.4	0.08	0.48	0.00	0.25	0.20	0.20	0.364	.000	0.000	
390006	1.25	1.77	1.44	1450	83.0	4.3	50.6	0.00	0.43	0.00	0.23	0.34	0.34	0.403	.000	0.053	
390007	3.51	1.91	2.58	1820	97.3	4.1	61.3	0.00	0.00	0.00	0.66	0.34	0.34	0.467	.000	0.250	
391801	74.50	47.07	1.93	2335	113.0	2.3	74.7	0.00	0.00	0.00	1.00	0.00	0.00	0.450	.000	0.000	

CATCHMENT CHARACTERISTICS

STATION	MSL	DVF	S1085	TAYSID	STMFRQ	SAAR	M52D	SMDBAR	RSMD	SOIL1	SOIL2	SOIL3	SOIL4	SOIL5	SOIL	URBAN	LAKE
592805		17.22	11.07	1.09	2350	106.0	2.5	68.7	0.00	0.00	0.00	0.29	0.71	.486	.000	0.702	
593803		16.70	10.02	0.67	1700	105.0	6.5	64.8	0.00	0.05	0.00	0.00	0.95	.489	.000	0.467	
594808		3.00	3.02	2.37	1450	75.8	3.3	49.0	0.00	0.00	0.00	0.51	0.49	.474	.000	0.992	
595802		7.97	0.97	3.08	1886	86.3	3.1	56.2	0.00	0.00	0.00	0.64	0.36	.468	.000	0.087	
596804		25.73	6.25	2.98	1750	83.8	2.5	54.7	0.00	0.00	0.25	0.10	0.62	.468	.000	0.875	

CALENDAR DAY FLOOD STATISTICS

INSTANTANEOUS FLOOD STATISTICS

STATION	MAX FLOOD	YEAR MAX	NUM CAL	CAL CAL	CALMED	CALGRH	CALCV	MAX FLOOD	YEAR MAX	NUM AM	AMAF	MEDAF	GRMAFC	CV	EXTRAF	BESMAF
3801								96.80	1954	8	73.87	72.65	76.7	21.65		73.87
3803								110.85	1954	7	68.03	62.40	68.9	37.38	64.85	64.85
3804																
3901								92.62	1954	6	62.71	62.75	63.4	29.77	42.56	42.56
4001	317.14	1961	12	200	92	212.23	219.5	506.17	1967	11	142.63	312.01	337.5	24.81	362.63	362.63
5001	376.61	1961	9	258	40	268.72	259.5	590.68	1961	13	318.05	316.14	297.3	29.91	318.05	318.05
6001	560.67	1936	25	361	02	348.20	364.1	594.30	1936	33	374.23	370.73	376.9	23.11	374.23	374.23
6003								557.56	1936	14	325.79	313.56	325.2	31.02	311.05	311.05
6004																
6006	16.63	1961	9	0	35	3.66	8.53	23.21	1957	7	17.69	16.70	18.6	24.83		17.69
7001								462.74	1969	10	228.74	191.00	216.9	47.79	192.43	192.43
7002								2402.27	1969	12	513.76	360.62	271.0	119.46	452.93	452.93
7003								89.83	1969	12	53.40	46.56	54.6	41.05	59.85	59.85
8001	366.33	1955	29	343	56	333.51	360.4	1218.19	1969	30	506.84	441.32	483.0	41.65	495.89	495.89
8002	342.63	1962	16	151	34	170.60	144.7	325.45	1966	19	144.64	124.82	133.7	43.41	144.64	144.64
8003								223.48	1966	19	108.11	101.36	101.3	38.96	108.11	108.11
8004	207.20	1966	15	121	64	101.88	119.6	532.04	1950	18	275.15	247.82	279.6	47.16	261.47	261.47
8005	348.13	1966	16	163	58	144.84	156.2	375.08	1966	19	177.96	165.48	167.5	39.58	177.96	177.96
8006	467.22	1961	8	348	83	346.17	354.6	1597.82	1969	18	676.48	578.17	631.1	48.83	634.28	634.28
8007								276.92	1966	18	103.27	81.59	90.5	60.12	90.92	90.92
2008	43.80	1959	7	28	05	27.24	29.5	155.07	1957	18	73.43	55.25	74.8	61.16	70.74	70.74
2009	74.10	1959	7	46	69	40.78	45.7	207.26	1966	17	107.09	95.92	106.3	35.86	107.09	107.09
2010	404.79	1966	14	221	39	180.23	222.8	441.22	1966	18	240.54	221.12	242.2	33.72	231.76	231.76
0001								235.53	1969	10	151.25	150.66	149.5	25.40	158.80	158.80
0002								521.59	1967	10	292.41	248.71	283.0	38.27	311.30	311.30
0004																
1001								97.31	1951	31	52.23	50.75	52.1	28.01	52.23	52.23
12001	648.45	1936	28	292	20	300.15	291.8	1134.45	1936	40	424.95	411.62	407.3	46.23	424.95	424.95
15001	25.40	1961	10	15	61	16.17	17.1	99.08	1961	22	50.19	44.59	48.7	33.87	50.19	50.19
15002	4.86	1962	7	2	09	2.82	2.78	14.58	1961	20	7.80	6.91	7.65	37.45	7.73	7.73
15003	974.09	1956	19	615	83	583.32	644.3	1126.51	1961	18	775.66	753.78	796.2	25.74	789.02	789.02
15004	6.23	1962	17	3	90	4.02	4.93	10.48	1946	39	6.42	6.46	6.73	33.04	6.43	6.43
15005	13.40	1966	21	8	00	8.07	8.22	25.24	1960	38	15.24	15.52	15.4	23.73	14.84	14.84
15006	1118.50	1961	9	793	18	209.85	852.9	1419.17	1961	17	997.04	1018.76	1043.4	25.37	997.52	997.52
15007	322.81	1961	8	215	52	205.72	213.8	558.80	1955	17	346.52	337.94	351.1	31.03	340.40	340.40
15008								46.85	1957	17	29.31	28.04	29.6	25.32	29.72	29.72
15008								18.40	1967	9	12.68	11.60	12.2	19.74	12.68	12.68
15009								14.43	1951	17	8.33	9.06	8.77	37.20	8.13	8.13
16001	305.25	1947	20	150	55	147.39	145.1	283.05	1949	20	189.09	193.05	193.6	21.40	189.09	189.09
16002	69.37	1950	7	48	95	44.46	49.6	77.96	1961	15	55.13	54.98	56.0	19.85	55.13	55.13
16002								246.20	1968	9	156.87	157.73	157.9	29.20	152.04	152.04
18001	60.83	1957	8	46	28	42.59	46.4	97.60	1957	12	70.80	70.67	70.5	18.96	69.94	69.94
18002								66.04	1961	13	42.03	40.80	42.0	18.77	43.53	43.53
18003								259.62	1961	13	187.82	192.36	197.0	23.56	187.90	187.90
19001	120.37	1969	10	66	44	67.89	64.0	177.68	1969	14	123.50	121.75	129.3	26.46	132.70	132.70
19002								24.27	1969	9	15.84	15.38	15.7	25.76	15.02	15.02
19003								23.95	1967	9	20.85	20.10	21.6	13.26	21.48	21.48
19004								36.20	1965	9	23.12	21.80	22.6	26.87	23.12	23.12
19005								105.09	1965	7	86.61	90.47	90.9	18.62	97.82	97.82
19006								70.41	1965	7	39.40	35.32	37.2	41.33	38.84	38.84

CALENDAR DAY FLOOD STATISTICS

INSTANTANEOUS FLOOD STATISTICS

STATION	MAX FLOOD	YEAR MAX	NUM CAL	CAL CAL/MAF	CALMED	CALGRM	CALCV	MAX YEAR NUM		AMAF	MEDAF	GRMAFC	CV	EXTMAF	BESMAF	
								FLOOD	MAX AM							
10007								164.73	1965	8	86.15	74.06	74.2	39.81	86.13	86.13
10008								65.04	1965	7	29.31	24.74	24.4	37.08	31.51	31.51
10002								72.94	1965	8	47.10	46.36	46.4	27.04	52.08	52.08
20001								111.94	1965	10	60.25	63.40	60.2	40.84	60.25	60.25
20002								4.69	1966	4	3.32	3.40	3.56	36.41	4.21	4.21
20003								98.56	1965	8	47.66	42.80	44.3	51.46	41.12	41.12
20001								49.62	1965	8	28.44	26.45	27.0	36.59	28.44	28.44
21001	10.56	1950	5	8.55	9.20	9.57	26.61	28.94	1961	15	18.95	19.10	19.3	24.50	19.65	19.65
21002	19.03	1962	7	11.51	9.41	10.8	34.46	68.14	1965	9	25.14	21.05	18.9	58.06	25.14	25.14
21003	147.02	1964	6	120.84	134.34	136.0	12.55	1079.27	1968	23	259.17	200.05	187.7	83.12	259.17	259.17
21005								232.13	1961	8	137.37	134.43	132.6	32.74	162.04	162.04
21006								658.30	1961	8	473.84	474.00	473.6	20.51	482.70	482.70
21007								334.91	1961	8	250.02	237.70	240.9	15.35	226.65	226.65
21008								498.78	1961	9	396.48	412.36	413.3	18.59	351.25	351.25
21009								1192.93	1962	11	888.60	819.70	899.4	22.64	944.34	944.34
21010								967.90	1959	21	554.17	498.44	549.0	30.29	624.05	624.05
21011								102.16	1964	7	79.00	87.74	86.5	26.64	79.25	79.25
21012								213.46	1964	6	187.86	187.60	190.1	40.24	180.24	180.24
21013								60.70	1964	6	48.28	53.07	51.6	23.46	60.74	60.74
21051	134.22	1965	13	82.72	73.78	80.8	29.47	147.97	1965	13	92.57	83.57	89.9	26.56	92.57	92.57
21032								64.60	1962	8	49.83	46.61	52.1	23.52	49.83	49.83
21803								235.88	1967	6	148.86	121.73	141.2	37.99	213.77	213.77
22001	23.15	1967	11	14.21	13.48	14.1	30.77	150.27	1965	9	75.49	63.88	71.2	51.48	49.01	49.01
22002	8.70	1967	11	5.78	5.44	5.72	23.84	116.86	1962	8	66.33	71.19	66.1	42.95	66.33	66.33
22004								225.49	1967	6	109.45	92.52	94.7	57.35	109.45	109.45
22006								1496.93	1967	13	955.50	902.67	945.9	26.81	955.50	955.50
23001	991.03	1967	13	520.53	453.06	483.0	36.50	64.46	1955	10	42.87	42.10	44.2	30.91	45.03	45.03
23002	37.94	1962	10	23.83	20.05	24.1	36.95	637.71	1967	10	486.94	487.13	510.4	21.93	489.09	489.09
23003	313.87	1967	10	243.85	255.84	256.2	20.15	544.66	1963	10	399.97	395.00	413.1	23.34	409.56	409.56
23004	308.57	1967	7	201.42	106.23	103.4	27.44	323.89	1967	9	261.19	279.08	275.2	19.44	249.43	249.43
23005	143.00	1964	5	103.85	97.69	97.4	22.41	96.27	1967	6	60.20	56.11	61.7	42.21	60.20	60.20
23007	69.09	1962	7	41.97	43.15	43.7	42.09	729.67	1954	17	475.15	456.39	466.2	22.69	500.22	500.22
23002	177.83	1962	12	111.49	111.48	110.8	29.83	380.89	1967	12	195.49	178.30	171.5	32.17	200.58	200.58
24001	22.41	1967	11	12.54	12.20	12.4	42.26	39.09	1967	11	22.43	23.46	22.9	38.28	21.39	21.39
24002	122.61	1967	11	57.72	53.52	50.6	40.10	223.93	1967	11	139.53	140.39	138.3	26.04	126.70	126.70
24003	23.87	1962	10	14.02	13.15	13.7	33.49	38.45	1962	10	25.60	25.20	25.7	27.99	25.18	25.18
24004								62.81	1968	15	36.29	30.09	37.1	39.99	36.29	36.29
24005	43.27	1968	12	23.71	19.67	23.6	48.17	33.57	1967	9	25.50	24.72	25.8	19.91	23.47	23.47
24006	19.47	1967	8	13.55	13.48	14.3	34.02	36.47	1966	20	26.30	26.20	27.8	26.58	26.30	26.30
24007								667.20	1967	13	419.16	400.81	404.5	22.70	397.43	397.43
24801								445.58	1967	10	313.63	309.85	316.3	20.53	302.73	302.73
25001	129.20	1968	10	92.01	94.44	98.9	19.37	24.63	1965	7	17.77	17.6	22.87	19.25	19.25	19.25
25002	9.44	1968	10	6.32	5.24	6.41	34.65	39.30	1962	12	24.72	23.65	26.1	37.56	24.72	24.72
25003	32.85	1962	13	18.45	16.54	19.3	42.33	98.76	1968	9	45.49	36.11	40.4	53.63	35.70	35.70
25004	54.28	1967	9	29.80	24.52	20.7	52.55	113.23	1965	9	78.86	73.59	80.3	27.64	74.91	74.91
25005	54.03	1962	9	35.81	32.00	35.1	30.55									

CALENDAR DAY FLOOD STATISTICS

INSTANTANEOUS FLOOD STATISTICS

STATION	MAX FLOOD	YEAR	NUM CAL	CAL CALIAP	CALMED	CALGRM	CALCV	MAX YEAR NUM		AMAF	MEDAF	GRMAFC	CV	EXTMAF	BESMAP
								FLOOD	MAX AM						
25997	29.45	1962	8	12.32	19.06	10.4	61.86	34.23	1967	5	21.42	19.19	20.6	38.03	21.42
25998								513.01	1967	5	322.28	307.60	317.4	41.79	259.03
25999								10.94	1968	12	6.74	6.66	7.13	37.42	6.74
25998								0.108	1954	5	0.083	0.077	0.076	17.22	0.110
25999								0.075	1957	5	0.058	0.051	0.056	20.95	0.120
25999								0.108	1954	3	0.099	0.096		20.00	0.100
26001	11.53	1965	16	6.44	5.39	6.55	41.25	11.61	1965	16	6.76	6.27	6.97	38.27	6.76
26002	12.23	1966	6	10.34	10.42	10.6	13.51	18.94	1960	20	12.73	12.55	13.4	30.57	12.73
26003	2.75	1968	10	1.71	1.54	1.91	40.46	2.86	1960	9	1.77	1.76	1.94	46.30	1.77
26001								1.78	1967	4	1.59	1.68	1.73	16.08	1.64
27001	152.71	1968	27	44.00	75.80	85.8	41.75	305.75	1967	30	136.66	115.52	134.4	44.45	136.66
27002	233.61	1960	14	172.33	168.48	175.7	20.67	417.35	1949	32	264.81	243.92	268.1	26.68	260.47
27004	273.82	1960	8	173.01	166.22	179.6	39.28								
27006								206.79	1965	11	105.67	97.14	102.8	45.98	99.66
27007	313.35	1967	11	210.22	219.74	224.3	23.71	407.57	1967	14	287.51	292.07	295.1	20.24	288.88
27008	246.64	1962	13	154.26	135.92	152.9	20.63	250.34	1962	13	185.82	186.22	188.2	20.60	189.58
27009															
27010	9.89	1960	15	4.39	3.57	4.07	69.10	31.03	1945	32	10.73	10.26	9.83	46.97	10.44
27011															
27012	12.63	1960	15	7.96	7.42	8.15	32.43	26.30	1953	16	14.63	13.89	14.9	37.37	14.63
27013															
27014	140.45	1960	9	74.59	35.23	78.0	41.80	142.68	1960	11	94.60	93.07	101.9	35.14	97.31
27015	122.04	1965	8	94.52	93.21	98.8	24.69	138.74	1967	7	103.33	112.26	106.7	24.89	103.33
27016															
27021	291.16	1966	9	133.11	135.07	141.8	35.43	348.29	1941	86	165.58	153.45	168.7	43.79	165.58
27022	174.15	1965	9	104.02	91.09	104.8	37.43	286.34	1965	8	147.49	121.49	160.7	50.13	126.45
27023	28.69	1968	9	19.10	19.93	21.1	38.49	43.88	1964	16	23.77	21.37	24.7	44.68	24.40
27024	192.84	1962	7	142.00	127.14	138.4	22.64	430.94	1967	9	290.96	293.70	282.6	21.98	257.46
27025	48.98	1966	8	37.56	42.19	40.6	26.17	70.68	1965	8	45.35	41.40	46.1	33.99	46.50
27026	40.77	1965	6	22.22	19.63	19.4	42.90	60.12	1960	9	37.97	34.67	38.6	35.40	35.80
27027	246.92	1965	8	168.76	155.03	164.0	27.31	422.11	1965	9	295.45	292.83	292.1	20.73	263.71
27028	276.37	1966	7	141.14	123.18	122.2	45.30	211.01	1967	8	152.31	145.27	150.7	20.00	148.24
27029	124.31	1965	8	77.13	49.68	78.4	36.85	340.00	1960	16	176.65	145.18	178.1	45.54	152.69
27030	37.94	1967	5	53.10	34.26	35.5	16.62	57.21	1968	5	44.86	48.15	52.2	34.24	31.23
27031								272.21	1967	5	192.82	196.24	194.1	35.89	150.61
27033								59.45	1966	4	52.37	53.79	55.1	14.30	43.42
27034															
27035															
27801															
27802															
27810								379.31	1960	12	230.51	218.65	236.2	33.63	220.79
27811															
27815															
27818															
27819															
27826															
27835															
27846															
27852															
28002	38.73	1946	16	19.30	18.56	19.0	41.39	376.35	1965	5	300.65	279.93	316.6	23.65	300.65
								404.97	1967	5	391.28	391.62	396.9	3.73	343.67
								39.89	1930	22	19.80	19.27	19.6	37.22	19.80
								41.52	1946	15	26.42	26.22	26.4	23.89	26.42

CALENDAR DAY FLOOD STATISTICS

INSTANTANEOUS FLOOD STATISTICS

STATION	MAX YEAR		CAL CAL	CALIED	CALGRM	CALCV	MAX YEAR		AMAF	MEDAF	GRMAFC	CV	EXTMAF	BESMAF		
	FLOOD	MAX					FLOOD	MAX								
28003	72.50	1967	11	58.06	62.86	60.7	17.80	87.42	1967	14	70.93	72.10	73.7	15.99	71.97	71.97
28004	95.71	1960	9	74.06	79.43	77.0	19.91	78.97	1967	13	62.76	63.71	64.4	13.75	65.58	65.58
28005	42.47	1960	7	24.30	22.14	23.9	47.29	171.69	1959	13	114.00	120.62	118.8	30.54	100.90	100.90
28006	436.07	1960	9	253.05	222.00	249.5	43.18	49.00	1960	13	30.02	28.32	30.6	31.25	28.60	28.60
28007	105.54	1960	16	50.54	55.22	53.9	37.07	403.29	1960	14	270.92	261.33	274.2	24.56	266.55	266.55
28008	815.52	1960	10	475.71	304.97	482.1	45.00	150.79	1965	16	99.36	91.86	101.3	28.38	99.36	99.36
28009	399.26	1965	31	129.69	111.10	111.9	51.13	809.99	1960	11	489.63	456.39	498.2	39.00	451.81	451.81
28011	258.25	1965	9	98.53	72.65	75.7	64.78	520.87	1965	33	170.18	144.68	150.0	53.01	161.80	161.80
28012	123.74	1960	9	81.37	63.22	61.5	62.45	266.20	1965	11	114.28	96.97	98.0	51.91	105.87	105.87
28013								90.56	1960	10	72.55	79.33	79.9	31.40	68.91	68.91
28014																
28015								50.08	1960	10	31.39	36.02	33.7	37.94	27.28	27.28
28016								19.81	1965	8	13.81	15.11	15.7	42.51	15.06	15.06
28017								16.87	1968	7	12.97	13.20	13.5	22.91	12.97	12.97
28018																
28019	131.02	1965	8	94.79	96.01	97.0	23.42	169.70	1965	8	129.09	125.95	137.3	25.14	129.09	129.09
28020	30.58	1960	11	25.36	27.50	28.0	24.05	247.95	1965	6	157.82	148.41	155.5	36.59	176.57	176.57
28021																
28023																
28026																
28032																
28033																
28034																
28035																
28042																
28045																
28049																
28052																
28054																
29001	2.34	1968	9	1.39	1.14	1.52	48.17	3.74	1968	9	1.98	1.70	2.01	48.20	1.52	1.52
29002	6.97	1967	6	3.15	2.45	2.76	68.40									
29003																
29004	26.76	1960	9	13.35	11.44	13.1	51.88	7.35	1968	6	4.72	4.53	4.77	46.42	2.93	2.93
29002	22.46	1968	9	14.58	13.06	15.7	42.56	28.88	1960	10	15.98	15.09	16.8	50.36	17.23	17.23
29003								33.92	1960	9	21.14	17.56	20.9	33.31	21.84	21.84
29004	8.63	1967	6	4.13	3.16	3.55	60.36	30.60	1965	7	16.64	12.46	17.2	56.28	16.55	16.55
29007								13.25	1967	6	6.89	5.46	6.81	62.32	5.75	5.75
29011																
29013																
31001																
31002	17.07	1968	8	8.22	6.78	8.31	63.30									
31003																
31005																
31006																
31007	319.98	1966	24	79.54	60.03	51.4	80.44									
32002	13.85	1966	29	6.35	4.53	4.10	57.22									
32003	10.97	1966	30	4.80	3.88	4.35	50.09									
32004	18.86	1966	24	11.66	12.50	12.6	35.30									

CALENDAR DAY FLOOD STATISTICS

STATION	MAX YEAR		CAL	CALM	CALMED	CALGRM	CALCV	MAX YEAR		AMAF	MEDAF	GRMAFC	CV	EXTMAF	BESMAF
	FLOOD	MAX						FLOOD	MAX						
32006	38.23	1946	28	12.01	12.03	10.6	52.95	63.25	1946	29	13.82	13.36	10.8	72.60	13.74
32007								31.51	1940	29	16.54	17.56	17.6	42.74	16.40
32008	9.99	1967	24	4.54	4.09	4.25	43.94	29.56	1946	22	10.64	9.14	10.00	66.73	9.78
32009								255.00	1946	30	70.53	62.61	58.1	63.52	66.91
32010								4.23	1968	5	2.32	2.54	2.44	59.91	1.91
32001								139.70	1967	10	85.50	77.76	88.0	38.92	85.50
33002	278.10	1946	25	34.22	47.96	72.6	61.67	28.40	1951	19	21.93	22.70	23.4	21.80	21.93
33003	40.83	1966	17	24.45	24.12	25.0	30.35	10.40	1965	13	7.36	6.60	7.79	29.38	8.02
33006	9.68	1968	13	6.02	6.00	7.25	27.70	183.06	1967	18	98.06	82.27	96.3	38.05	90.87
33007								6.41	1967	8	2.54	1.89	2.12	71.54	2.70
33008								35.78	1960	9	20.56	20.80	22.6	51.79	30.77
33009	139.32	1958	13	81.25	70.22	81.7	37.90	15.60	1967	9	5.87	4.71	4.91	69.53	5.20
33011	5.38	1960	8	2.38	1.83	2.17	66.14	21.85	1967	9	9.02	7.04	7.58	59.42	9.02
33012	21.95	1963	7	12.97	15.86	14.6	52.99	23.89	1967	7	16.73	16.12	16.8	27.79	16.73
33013	6.94	1968	8	4.25	4.02	4.48	43.97	162.11	1967	14	102.51	102.28	107.8	24.28	102.51
33014	20.02	1967	8	7.84	6.34	6.20	67.28	25.83	1968	7	18.72	18.59	20.1	30.32	22.85
33015	20.67	1967	7	15.29	14.67	15.6	23.79	11.56	1968	8	7.00	6.56	6.85	33.49	7.00
33016								42.23	1967	6	27.86	28.93	31.3	43.33	27.86
33017								8.17	1967	7	6.35	7.07	7.25	31.99	6.35
33018	22.88	1967	7	14.88	14.92	15.7	37.59	4.48	1967	6	2.23	1.99	2.18	60.54	2.30
33019	11.33	1968	5	6.52	6.17	6.18	47.77	10.21	1968	6	8.19	8.84	9.41	31.37	8.19
33020								4.12	1967	4	3.31	3.25	3.38	22.95	2.52
33021	9.06	1966	5	5.79	6.23	6.55	49.33	0.541	1965	5	0.408	0.412	0.438	28.15	0.408
33023	2.97	1968	5	1.48	1.17	1.50	71.52	16.20	1967	6	8.82	8.41	9.02	53.18	8.41
33024	10.99	1967	6	6.58	6.51	7.21	51.25	0.415	1968	5	0.304	0.308	0.343	36.46	0.304
33029								21.80	1967	11	10.84	9.90	10.1	46.50	10.43
33035								61.92	1967	11	13.61	10.44	6.01	120.77	12.80
33045								10.07	1960	10	6.02	5.99	6.36	43.43	4.77
33801	18.95	1967	7	10.34	10.34	10.2	49.59	26.48	1960	9	17.38	14.88	17.5	30.08	17.45
33805	42.19	1967	10	10.42	7.18	6.26	113.56	4.96	1965	8	2.82	2.25	2.78	46.90	2.82
33807	8.32	1967	7	4.65	4.22	4.47	43.59	112.70	1967	6	46.72	36.94	42.1	83.23	30.34
33813	24.10	1960	7	14.70	12.94	13.6	35.12								
34001	4.39	1965	7	2.19	1.48	1.92	61.41								
34002															
34003															
34004															
34005															
34006															
34007															
34008															
34011															
35001															
35002															
35003	8.95	1967	7	6.42	6.65	7.19	37.98								
35004															
35008															
35801															

CALENDAR DAY FLOOD STATISTICS

INSTANTANEOUS FLOOD STATISTICS

STATION	MAX FLOOD		YEAR	NUM CAL	CAL CAL	CALMED	CALGRM	CALCV	MAX FLOOD	YEAR	MAX AM	AMAF	MEDAF	GRAMFC	CV	EXTMAF	BESMAF
	FLOOD	MAX															
35802	11.47	1968	8	7.08	6.85	7.16	35.02	23.00	1967	6	10.57	9.00	8.96	62.09	8.12	8.12	
36002	4.47	1968	8	2.10	1.60	1.97	62.60	5.80	1968	6	3.20	2.93	3.28	54.79	2.37	2.37	
36003	13.62	1968	7	8.42	8.52	9.03	43.71	16.30	1968	6	10.80	11.91	11.9	40.31	10.80	10.80	
36006	33.93	1963	7	23.86	23.78	26.2	34.46	9.00	1967	6	35.93	29.15	28.2	78.82	26.11	26.11	
36007	23.84	1968	8	15.56	14.16	17.4	45.93	9.27	1968	5	3.82	3.52	3.26	87.12	2.70	2.70	
36008	32.85	1963	19	19.40	18.43	20.0	32.05	85.00	1967	8	23.56	14.43	13.1	107.75	18.44	18.44	
37001	6.46	1968	5	4.41	4.50	4.65	35.35	39.64	1963	19	23.68	22.93	24.7	34.48	22.60	22.60	
37003	19.17	1963	10	11.55	9.95	12.3	47.71	7.92	1968	5	5.50	5.21	6.23	42.77	4.47	4.47	
37005	27.16	1963	7	15.99	15.38	16.0	45.92	24.06	1968	7	13.05	10.81	12.4	47.76	11.04	11.04	
37007	18.03	1968	5	12.87	13.06	14.3	38.17	33.10	1963	7	18.73	19.20	18.7	43.04	17.14	17.14	
37008	4.98	1968	7	2.89	2.83	2.74	36.90	20.09	1968	5	17.23	16.70	17.2	46.60	14.02	14.02	
37010	16.44	1968	6	10.28	9.52	10.7	42.03	6.25	1968	7	3.83	3.84	3.83	37.05	3.83	3.83	
37011	9.00	1963	6	5.75	6.06	6.73	53.31	18.70	1968	6	11.61	11.15	12.0	41.09	9.40	9.40	
37012	1.60	1967	17	1.06	1.02	1.08	24.82	12.57	1968	6	8.90	9.74	10.7	66.70	6.91	6.91	
37013	0.523	1960	8	0.300	0.290	0.31	43.86	19.00	1967	5	9.95	10.47	10.5	64.85	9.87	9.87	
37014	7.51	1956	5	6.35	6.43	6.35	12.81	12.51	1965	5	10.02	9.60	10.2	21.56	7.11	7.11	
37015	0.523	1960	8	0.300	0.290	0.31	43.86	12.87	1965	5	10.36	12.22	12.9	42.54	7.40	7.40	
37016	1.60	1967	17	1.06	1.02	1.08	24.82	18.40	1966	29	6.45	6.51	6.49	53.27	6.45	6.45	
37017	0.523	1960	8	0.300	0.290	0.31	43.86	3.54	1967	16	1.81	1.59	1.72	39.53	1.81	1.81	
37018	7.51	1956	5	6.35	6.43	6.35	12.81	42.50	1967	10	15.76	12.90	13.2	66.47	11.95	11.95	
37019	1.13	1968	17	0.620	0.500	0.61	39.41	14.16	1957	19	6.27	5.46	6.13	49.91	6.27	6.27	
37020	4.82	1955	9	3.48	3.68	3.75	28.29	0.651	1967	12	0.402	0.398	0.427	38.66	0.402	0.402	
37021	21.13	1960	19	12.75	12.23	12.8	25.81	6.80	1967	9	2.70	2.32	2.46	68.72	2.70	2.70	
37022	39.21	1967	17	18.76	18.72	17.9	35.85	39.68	1964	15	24.34	22.42	24.6	33.66	24.34	24.34	
37023	214.92	1961	10	171.08	183.92	189.0	24.81	1064.82	1894	88	326.82	303.78	312.7	43.05	326.82	326.82	
37024	12.77	1968	16	9.24	9.95	9.93	25.95	56.00	1967	27	9.67	7.35	5.80	98.98	9.67	9.67	
37025	56.12	1967	13	33.10	32.56	32.2	26.68	5.73	1967	27	2.62	2.40	2.43	33.38	2.61	2.61	
37026	15.01	1967	13	5.50	4.47	4.34	57.65	21.00	1967	7	12.88	14.17	13.5	39.93	12.88	12.88	
37027	1.90	1960	13	1.19	1.07	1.23	35.78	3.11	1967	12	1.62	1.47	1.59	42.19	1.62	1.62	
37028	40.92	1968	8	33.44	38.08	38.3	29.14	1.47	1967	6	1.10	1.12	1.13	22.04	1.10	1.10	
37029	214.92	1961	10	171.08	183.92	189.0	24.81	42.00	1965	7	35.20	38.39	39.0	22.90	35.20	35.20	
37030	12.77	1968	16	9.24	9.95	9.93	25.95	13.80	1968	16	9.99	10.68	10.6	24.69	9.99	9.99	
37031	56.12	1967	13	33.10	32.56	32.2	26.68	78.69	1967	12	39.24	34.72	35.3	38.30	39.24	39.24	
37032	15.01	1967	13	5.50	4.47	4.34	57.65	24.60	1967	10	12.95	12.04	12.3	38.40	12.95	12.95	
37033	1.90	1960	13	1.19	1.07	1.23	35.78	3.11	1967	12	1.62	1.47	1.59	42.19	1.62	1.62	
37034	40.92	1968	8	33.44	38.08	38.3	29.14	1.47	1967	6	1.10	1.12	1.13	22.04	1.10	1.10	
37035	214.92	1961	10	171.08	183.92	189.0	24.81	42.00	1965	7	35.20	38.39	39.0	22.90	35.20	35.20	

CALENDAR DAY FLOOD STATISTICS

INSTANTANEOUS FLOOD STATISTICS

STATION	MAX FLOOD		CAL	CALNAF	CALMED	CALGRM	CALCV	MAX YEAR NUM		FLOOD	AMAF	MEDAF	GRMAEC	CV	EXTMAF	BESMAF
	FLOOD	YEAR						MAX	AM							
30017										16.26	7.88	6.97	7.20	59.00		7.88
30019	3.94	1966	7	3.04	3.04	3.34	28.30			4.40	3.39	3.39	3.60	24.32		3.39
30020	4.87	1965	6	3.52	3.61	3.74	20.00			4.54	3.51	3.69	3.82	26.26	3.88	3.88
30021																
30022																
30023																
30024	12.97	1967	13	4.85	3.96	3.89	66.92			2.92	2.83	2.89	2.91	4.91	2.63	2.63
30025																
30026																
30031										2.95	2.00	1.95	2.21	39.62		2.00
30033										0.592	0.340	0.328	0.357	53.59		0.340
30033										17.05	8.06	7.81	7.34	44.96		8.06
30034										32.79	22.64	22.98	22.9	25.97	24.32	24.32
30034										19.00	4.73	3.23	2.68	110.16	4.59	4.59
30034										16.42	7.36	6.44	6.68	44.49	7.36	7.36
30021										40.00	21.74	22.27	22.6	38.50	22.26	22.26
30022										9.34	5.20	4.30	4.66	43.94		5.20
30024																
30025																
30026																
30027																
30027										12.34	6.24	5.19	5.35	53.07		6.24
30028																
30030										5.66	2.51	2.06	2.04	58.37		2.51
30031										4.25	2.30	2.17	2.08	40.36		2.30
30032																
30034										38.83	29.25	30.24	32.0	28.96		29.25
30035																
30039																
30040										13.42	6.90	7.89	7.69	56.84		6.90
30041																
30401	6.14	1939	9	4.67	4.84	4.86	21.01									
40001	5.91	1956	6	2.20	1.75	1.69	88.26									
40002																
40003	269.29	1960	9	135.64	123.46	120.7	40.07			300.42	156.64	135.67	146.3	41.49		156.64
40004	45.31	1963	5	31.50	33.98	33.1	33.21			98.65	53.04	44.77	52.2	50.33	47.88	47.88
40005	61.45	1960	9	34.54	29.16	31.9	39.77			79.91	43.06	35.71	41.4	42.82		43.06
40006	10.65	1960	8	4.07	3.37	3.18	69.10			56.60	11.26	5.94	3.92	163.72	10.60	10.60
40007	74.75	1960	7	38.76	28.00	35.8	51.29			119.38	56.96	45.53	50.0	48.41		56.96
40008	26.16	1966	5	17.53	18.69	18.7	40.81			33.94	23.86	24.09	25.3	29.45	19.61	19.61
40009										41.83	34.02	34.53	35.9	19.08	33.76	33.76
40010																
40011										20.50	19.71	19.85	19.8	33.66	16.31	16.31
40012	32.56	1963	6	24.90	25.27	26.2	23.40			40.00	12.14	2.97	1.46	169.86	7.21	7.21
40013																
40018																
40019																
40020										212.00	48.65	27.37	15.7	136.00	62.19	62.19
40801																

CALENDAR DAY FLOOD STATISTICS

INSTANTANEOUS FLOOD STATISTICS

STATION	MAX FLOOD	YEAR MAX	CAL	CAL	CAL	CAL	CAL	CAL	CAL	MAX FLOOD	YEAR MAX	NUM AM	MEDAF	GRMAFC	CV	EXTMAF	BESMAF
40804																	
40805																	
40808																	
40809																	
40810																	
41001																	
41002	4.96	1960	11	2.88	2.50	2.95	41.15			83.49	1960	10	39.61	37.4	49.05		39.61
41003	46.44	1960	9	26.41	24.18	25.9	37.05			83.60	1967	9	38.50	35.0	53.56		38.50
41005	37.09	1963	9	23.91	21.34	23.8	31.87			45.20	1965	5	34.07	35.9	28.39	31.12	31.12
41006	21.97	1967	5	17.51	18.74	19.9	30.00			291.57	1967	11	94.89	71.5	72.24		94.89
41007																	
41010																	
41011																	
41012																	
41013																	
41801										1.34	1967	5	0.990	0.973	26.30		0.990
41806										10.29	1965	4	7.56	6.97	24.89	7.17	7.17
41811																	
41812																	
42001																	
42002	12.80	1968	9	8.81	8.35	8.78	22.96			12.73	1968	10	9.32	9.52	21.62		9.32
42005																	
42006	5.27	1960	10	2.94	2.32	2.96	46.95			5.94	1960	11	3.20	3.10	38.46		3.20
42801										15.57	1966	16	7.65	7.42	43.82		7.65
43001	105.62	1960	5	59.08	50.88	49.6	45.09			112.87	1960	8	65.60	59.3	30.59	64.07	64.07
43002										210.42	1966	9	127.02	122.2	31.62	132.00	132.00
43005										15.11	1966	4	11.40	10.5	22.25	10.49	10.49
44001																	
44002																	
44003																	
44004																	
45001	246.92	1965	11	144.00	138.75	147.9	36.34			456.57	1960	13	190.67	167.6	54.03		190.67
45002	167.92	1965	7	107.76	103.64	111.9	35.29			339.62	1960	9	163.15	154.9	50.82	146.49	146.49
45003	76.74	1967	6	38.77	34.55	33.4	50.66			202.00	1967	7	88.12	74.6	63.68	76.41	76.41
45004										233.50	1967	4	140.46	138.6	50.52	106.07	106.07
45005	62.01	1967	5	38.57	32.85	34.6	35.89			348.29	1967	7	105.58	56.0	102.13	105.93	105.93
45006										18.35	1965	5	11.41	11.1	38.96	8.80	8.80
45801																	
45802																	
45804																	
45805																	
45806																	
45807										181.70	1965	5	115.27	126.7	50.23		115.27
45811																	
46002	126.01	1965	11	71.00	65.98	65.8	29.91			391.78	1959	13	204.37	184.47	195.9	34.90	204.37
46003	137.62	1960	8	92.06	83.96	93.7	30.87			299.91	1959	11	222.38	212.56	217.0	15.37	210.60
46004																	
46005										62.85	1966	5	50.95	51.7	18.56	58.68	58.68
46801										32.11	1967	5	24.84	23.37	17.54	25.13	25.13
46802																	

CALENDAR DAY FLOOD STATISTICS

INSTANTANEOUS FLOOD STATISTICS

STATION	MAX YEAR		CAL CAL	CALMED	CALGRN	CALCV	MAX YEAR NUM		AMAF	MEDAF	GRMAFC	CV	EXTMAF	BESMAP
	FLOOD	MAX					MAX	AM						
46803														
46805														
46806														
46807														
46809														
47001	331.30	1959	13	218.88	203.03	219.2	24.69	13	311.49	263.33	305.4	31.04		311.49
47004	73.62	1955	6	46.98	42.24	47.9	39.58	8	37.15	33.75	37.2	22.74	39.01	39.01
47005	37.38	1965	5	26.43	25.17	25.9	27.62	8	50.57	51.83	53.7	20.49	52.93	52.93
47006	86.37	1965	5	56.80	44.03	56.0	40.69	7	144.03	122.82	131.0	45.42	144.03	144.03
47007	14.07	1964	5	11.86	13.09	12.7	19.53	7	23.10	22.99	23.4	9.00	27.98	27.98
48002	73.62	1967	6	50.34	51.27	53.1	35.65	8	122.55	109.38	107.1	46.37	122.55	122.55
48003								8	12.15	13.48	13.3	26.69		12.15
48005														
48006														
48007														
49001	53.52	1965	5	45.81	47.57	47.5	14.73	5	48.36	45.28	47.9	11.28	43.75	43.75
49002								10	7.55	7.54	7.39	46.45	6.98	6.98
49003														
49004														
50001	328.47	1967	7	178.51	159.42	168.3	45.73	8	46.39	46.32	47.1	10.58	46.39	46.39
50002								11	277.85	222.04	260.1	55.33	255.01	255.01
50003	233.04	1965	6	157.82	145.69	159.7	32.41	8	248.91	257.80	274.6	28.80	242.04	242.04
50801														
50802														
50803														
50804														
50805														
51801														
52002														
52003	11.78	1967	6	7.26	7.12	7.11	36.88	7	14.54	12.66	14.3	52.17	14.54	14.54
52004	17.95	1968	7	13.66	13.33	14.6	26.89	7	25.37	27.12	26.5	11.34	29.35	29.35
52005	61.26	1968	8	31.93	24.62	29.0	50.99	8	59.11	47.61	56.9	49.48	50.25	50.25
52006								7	46.38	43.94	42.7	23.59	47.85	47.85
52007														
52008	4.25	1960	7	2.78	2.83	2.82	33.76	5	7.53	7.59	7.93	19.88	6.43	6.43
52009	6.51	1966	5	5.76	6.17	6.38	19.57	5	57.87	73.46	66.7	43.52	47.77	47.77
52010	36.93	1966	5	23.64	21.38	21.6	35.11							
52011														
52013														
52014														
52805														
53001	169.90	1967	16	77.32	62.30	75.1	50.72	30	86.46	84.38	86.0	48.23	86.46	86.46
53002								29	159.65	127.74	153.4	46.93	159.75	159.75
53003	300.15	1960	16	153.58	134.64	148.4	45.57	11	45.48	25.48	20.7	137.20	26.89	26.89
53004	25.48	1960	7	11.02	9.57	9.69	68.72	8	31.22	28.16	31.4	45.28	27.70	27.70
53005								8	35.67	30.44	35.6	40.12	35.67	35.67
53006								8	66.02	66.25	66.7	42.05	66.79	66.79
53007								5	56.20	50.37	53.9	57.30	34.00	34.00
53008														
53009														

CALENDAR DAY FLOOD STATISTICS

INSTANTANEOUS FLOOD STATISTICS

STATION	MAX FLOOD	YEAR	NUM	CAL				CALCV	MAX YEAR NUM				AMAF	MEDAF	GRMAFC	CV	EXTMAF	BESMAF
				CAL	CALMAF	CALMED	CALGRM		FLOOD	MAX	AM	NUM						
53801																		
53802																		
54001	637.12	1946	49	405.94	402.09	419.3	26.28											
54002	277.08	1967	32	126.88	122.04	127.7	42.40											
54003																		
54004	42.76	1954	17	22.39	18.40	24.0	51.81											
54005	430.41	1960	16	298.53	281.61	304.1	25.18											
54006	41.62	1959	16	15.86	12.67	14.1	63.23											
54007	55.50	1967	12	32.02	32.70	33.0	37.18											
54008	248.93	1960	13	149.33	151.40	157.6	37.87											
54009																		
54010	39.93	1960	9	25.94	24.30	27.5	37.04											
54011	22.37	1967	8	12.26	11.75	13.1	56.56											
54012	47.29	1967	9	36.67	42.80	40.9	29.35											
54013	68.81	1964	10	33.05	24.98	30.8	56.47											
54014	282.32	1964	8	160.83	135.07	152.9	42.38											
54016	28.09	1967	8	15.40	14.72	15.2	44.49											
54017	22.09	1966	6	16.48	16.55	17.1	25.77											
54018	26.90	1968	7	19.59	17.22	20.6	29.90											
54019	44.94	1967	7	26.32	23.64	26.9	43.23											
54020	11.12	1966	6	9.79	10.41	10.5	16.16											
54021																		
54022	4.96	1957	5	4.61	4.63	4.68	6.32											
54801																		
54802																		
54806																		
54809																		
54812																		
54813																		
55001	893.46	1946	33	488.21	474.19	487.9	26.28											
55002	690.92	1960	33	373.85	339.68	371.8	32.55											
55003	67.96	1959	29	46.93	41.98	44.3	23.05											
55004	54.93	1965	31	28.03	25.72	27.3	20.95											
55005	147.24	1960	32	66.36	60.24	63.1	36.61											
55006	141.02	1960	60	72.15	70.55	72.0	28.06											
55007	619.47	1945	32	333.76	309.49	335.6	33.12											
55008	17.81	1964	17	8.09	6.77	7.23	42.30											
55009	116.19	1959	22	72.18	76.91	75.7	29.63											
55010	41.62	1964	15	20.85	18.01	19.5	42.19											
55011	39.36	1967	9	25.14	23.96	25.1	30.63											
55015																		
55808																		
56001	498.37	1960	12	300.38	295.62	300.7	31.93											
56002	108.02	1967	11	70.53	69.09	75.0	34.48											
56003	23.81	1965	5	13.04	19.44	13.8	24.91											
56004																		
56005																		
56006	129.76	1965	6	86.46	91.97	92.9	39.61											
57003																		
57004	119.21	1965	11	47.05	39.93	38.4	54.77											

CALENDAR DAY FLOOD STATISTICS

INSTANTANEOUS FLOOD STATISTICS

STATION	MAX YEAR		CAL	CAL		CALGRM	CALCV	MAX YEAR		AMAF	MEDAF	GRMAFC	CV	EXTMAF	BESMAF	
	FLOOD	NUM		FLOOD	NUM			FLOOD	AM							
57005																
57006	116.56	1965	7	55.80	44.17	47.4	52.19	175.63	1960	10	111.91	115.40	116.7	33.60	103.99	103.99
58001								309.78	1967	10	210.24	209.03	223.9	32.03	215.62	215.62
58002								22.52	1965	8	19.34	19.60	19.7	10.54	19.34	19.34
58003								158.30	1965	8	96.39	93.24	101.5	61.72	67.84	67.84
58004	149.79	1964	7	115.53	118.08	122.1	24.06	255.28	1967	12	203.63	218.62	216.1	21.09	196.35	196.35
59001	488.12	1965	10	329.36	209.10	746.9	34.48	532.68	1965	11	369.63	343.77	386.1	30.09	361.32	361.32
59002	149.79	1964	5	101.49	99.90	111.2	43.77	196.39	1964	8	137.45	146.79	146.3	29.81	139.03	139.03
59003								63.74	1967	5	62.83	63.14	63.6	2.21	53.46	53.46
59007																
51001								55.27	1968	8	42.73	46.67	47.9	30.59	46.44	46.44
51002	108.17	1964	7	68.97	69.00	69.9	32.71	95.58	1964	9	76.84	81.26	83.3	22.40	70.74	70.74
52001	230.50	1965	7	175.68	189.72	186.3	26.26	251.55	1965	10	192.94	191.55	202.1	22.89	177.59	177.59
53001								196.56	1964	7	112.95	100.40	102.5	36.57	90.46	90.46
53002								111.04	1964	4	84.98	86.19	91.0	31.01	70.59	70.59
54001	461.93	1964	7	261.13	216.85	243.3	43.67	380.10	1964	7	279.33	308.32	292.2	26.29	292.31	292.31
55001	84.19	1964	5	55.91	50.31	50.7	29.58	70.60	1967	7	59.55	55.20	57.9	17.66	62.31	62.31
55004																
56001																
56002	92.35	1967	8	54.25	42.58	56.1	51.47	150.45	1964	8	90.24	80.66	94.7	45.77	89.34	89.34
56003								43.20	1964	6	31.38	33.66	35.0	33.79	31.38	31.38
56011	67.68	1964	10	45.94	47.85	49.3	33.54	522.36	1964	5	450.39	501.45	513.0	24.39	450.39	450.39
56801								18.22	1952	6	14.87	14.68	15.2	16.11	18.33	18.33
57001	181.22	1960	11	100.16	105.34	103.0	66.50	626.58	1945	30	286.58	249.72	274.2	43.83	258.39	258.39
57002	521.02	1964	32	226.47	205.51	217.0	35.22	14.75	1964	5	13.38	13.63	13.9	10.43	13.38	13.38
57003	11.86	1930	45	6.04	5.44	6.05	34.11									
57004																
57005	84.19	1965	16	25.81	22.19	19.8	62.64	65.13	1965	15	39.84	38.81	39.9	28.50	36.12	36.12
57006	115.81	1964	8	61.81	58.15	61.9	48.80	186.14	1964	9	87.14	71.64	82.4	55.76	80.23	80.23
57007								554.40	1964	5	277.12	202.48	232.1	64.58	204.20	204.20
57008																
57009																
57010								13.73	1966	12	8.88	8.92	9.29	32.06		8.88
57013																
57014																
57018																
57801								47.77	1965	4	38.36	43.54	45.7	34.82	38.36	38.36
57803								455.72	1945	71	203.94	189.55	204.2	37.23	203.94	203.94
68001	130.64	1945	32	55.05	51.81	54.7	40.04	212.37	1945	31	61.11	50.78	52.7	57.45	60.73	60.73
68002	18.32	1954	20	11.76	11.99	12.1	26.17	19.98	1967	20	16.05	16.24	16.8	16.82	17.61	17.61
68003	66.16	1964	20	30.11	38.17	39.0	31.11	117.05	1964	20	67.27	64.96	68.3	33.57	68.99	68.99
68004	13.51	1967	12	8.45	8.28	8.90	36.03	16.19	1967	12	10.57	10.73	11.3	34.05	10.57	10.57
68005	22.65	1958	16	16.41	17.66	17.9	30.72	44.08	1945	33	25.44	26.11	26.4	28.35	25.44	25.44
68006	54.84	1965	16	20.96	27.25	28.2	40.50	122.31	1964	16	62.82	55.81	61.9	41.57	57.60	57.60
68007	23.74	1964	7	18.75	20.20	20.6	26.81	32.09	1964	6	25.19	24.97	25.6	17.94	25.19	25.19
68008								82.51	1945	16	40.79	37.64	37.3	31.72	40.79	40.79
68009								1.85	1967	5	1.51	1.44	1.53	17.77	1.11	1.11
59001	236.16	1947	29	114.41	105.62	111.2	37.83	266.11	1945	35	174.09	164.20	177.8	26.10	174.09	174.09

CALENDAR DAY FLOOD STATISTICS

INSTANTANEOUS FLOOD STATISTICS

STATION	MAX YEAR NUM				CAL	CALMED CALGRM CALCV				MAX YEAR NUM				AMAF	MEDAF	GRMAFC	CV	EXTMAF	BESMAP
	FLOOD	MAX	YEAR	NUM		CAL	CAL	MAF	MAF	MAX	YEAR	NUM	FLOOD						
60002	354.11	1964	20	186.81	175.11	186.4	37.60	495.75	1945	31	231.67	230.23	233.9	38.91	231.67				
60003	40.81	1964	21	15.37	12.54	13.8	51.63	56.63	1967	14	39.66	38.93	43.2	33.14	43.63				
60005	31.01	1965	13	20.56	20.95	21.5	29.42	55.30	1964	33	41.27	42.71	43.2	19.61	40.62				
60006	38.17	1964	14	26.22	27.10	27.4	26.21	282.16	1960	10	196.35	187.93	208.9	33.28	196.35				
60007																			
60008																			
60011																			
60016																			
60001																			
60002																			
60803																			
60804																			
60805																			
60806																			
60901			8	8.86	6.34	8.79	27.97	5.89	1963	8	4.87	5.02	5.10	17.79	4.87				
70001																			
70002																			
70003			11	5.36	4.95	4.56	60.50	912.94	1964	9	713.38	701.50	721.7	15.50	651.20	651.20			
70004								30.52	1966	12	14.88	13.84	14.2	41.54	13.51	13.51			
71005			9	4.94	4.64	5.05	26.49	215.52	1963	6	172.83	172.84	184.3	22.63	176.63	176.63			
71007								26.30	1966	9	17.77	18.67	18.9	31.06	15.36	15.36			
71009								479.58	1967	4	410.60	449.14	466.4	24.19	410.60				
71002																			
71003																			
71004																			
71005																			
72001			9	474.47	382.27	363.7	40.71	512.28	1964	9	361.14	360.79	354.3	18.90	368.76	368.76			
72002			5	31.05	26.85	23.1	23.57	929.59	1967	10	671.72	648.88	683.1	21.20	656.58	656.58			
72003								174.56	1964	7	151.97	145.36	154.1	11.05	152.35	152.35			
72004								1047.00	1953	32	602.53	611.00	607.5	26.56	602.53				
72007								292.12	1967	6	243.26	252.79	262.9	21.84	243.26				
72009								1246.76	1966	12	383.86	326.78	287.6	74.80	317.76	317.76			
73001			5	70.54	62.90	79.1	35.67	135.77	1954	30	68.45	61.66	66.7	35.02	68.45				
73002			5	19.52	17.06	19.5	26.40	29.68	1967	6	22.51	22.32	23.9	30.12	18.33	18.33			
73005																			
73013																			
73004																			
73005																			
74001			23	16.01	15.38	17.4	42.62	220.71	1964	5	157.32	151.42	165.6	31.91	136.97	136.97			
74002																			
74001																			
75001			8	158.48	137.76	162.8	37.78	245.73	1967	9	185.94	192.05	196.8	23.50	169.89	169.89			
75002																			
75003																			
75004																			
76001			13	12.60	13.75	14.3	43.47	860.00	1967	9	529.81	458.29	505.9	30.16	494.18	494.18			
76002								274.92	1967	8	166.15	160.85	158.3	31.20	138.92	138.92			
76003			7	118.27	113.83	110.5	42.75	231.55	1967	7	155.80	131.26	160.1	35.12	137.50	137.50			
76004								400.96	1967	5	303.91	313.41	311.0	24.24	255.93	255.93			
76005																			
76008																			
76011			3								2.12				2.09	2.09			

CALENDAR DAY FLOOD STATISTICS

INSTANTANEOUS FLOOD STATISTICS

STATION	MAX FLOOD	YEAR	CAL	CAL NUM	CALMED	CALGRM	CALCV	MAX YEAR NUM		AMAF	MEDAF	GRMAFC	CV	EXTMAF	BESMAF	
								FLOOD	MAX AM							
76801								1061.68	1964	8	791.44	749.46	817.8	26.93	711.91	711.91
77901								562.70	1967	6	439.90	454.22	463.0	33.69	379.48	379.48
77911								82.98	1967	7	61.99	64.37	67.8	30.84	86.65	86.65
78004								997.44	1961	12	514.90	455.98	464.9	36.67	631.96	631.96
79002	447.40	1961	8	243.59	220.78	215.9	35.73	225.09	1961	9	92.89	81.09	74.1	55.16	92.89	92.89
79003	85.89	1961	6	56.91	55.47	56.1	29.89	187.85	1965	6	153.90	153.72	158.7	18.66	195.87	195.87
79004								149.00	1967	5	109.35	100.11	103.0	21.47	141.25	141.25
79005								106.85	1967	5	90.77	87.34	89.8	11.76	115.63	115.63
80301								16.33	1965	7	12.99	12.31	13.1	18.07	12.99	12.99
80801								272.80	1967	6	207.77	202.03	206.2	19.05	202.65	202.65
81002								101.49	1967	6	88.28	89.81	90.4	11.11	87.63	87.63
82001								82.74	1960	10	56.82	54.64	55.4	20.84	53.07	53.07
83001								227.00	1960	53	76.73	69.72	69.8	36.53	84.87	84.87
83002								163.20	1954	21	99.75	94.98	99.3	23.81	99.75	99.75
84001								35.77	1961	13	19.84	16.83	18.5	31.82	18.71	18.71
84002								494.61	1961	13	307.22	278.37	300.2	29.90	367.69	367.69
84003	203.88	1961	8	153.44	138.04	158.2	24.20	443.01	1961	13	237.43	216.88	225.3	38.04	268.88	268.88
84004	438.91	1961	7	327.79	339.80	346.1	25.83	576.77	1965	14	407.74	364.18	423.7	25.86	489.38	489.38
84005								20.51	1966	12	13.97	13.33	14.1	22.42	14.88	14.88
84006								85.97	1965	6	64.55	61.66	62.8	19.44	63.74	63.74
84008								169.79	1966	6	111.15	111.71	113.9	33.76	106.49	106.49
84011								613.09	1965	6	442.76	438.78	461.9	28.34	455.15	455.15
84012								409.78	1965	5	212.84	209.90	195.1	57.49	200.23	200.23
84013								66.33	1966	15	55.93	59.52	58.6	14.41	58.02	58.02
84014								60.59	1965	6	37.83	35.59	36.1	34.92	30.13	30.13
84015								519.57	1961	9	310.23	287.97	291.6	29.67	406.27	406.27
84016								123.22	1966	6	106.32	104.77	106.4	10.67	106.32	106.32
84803								126.28	1965	6	109.47	106.15	109.4	10.05	109.47	109.47
84806								11.32	1952	18	8.84	8.91	9.09	16.70	8.89	8.89
85001								52.38	1957	2	49.02	49.02	43.46	30.18	43.46	43.46
85002								13.26	1952	29	7.03	6.26	6.88	30.18	6.88	6.88
85801								12.55	1966	4	5.77	4.50	4.83	84.07	5.77	5.77
85803								0.187	1969	11	0.123	0.121	0.126	29.06	0.123	0.123
87801								30.51	1941	44	15.52	15.37	15.8	34.23	15.52	15.52
90801								197.06	1964	10	124.90	118.00	126.1	32.61	124.90	124.90
91802								44.64	1965	12	28.02	25.69	28.7	34.66	28.02	28.02
94801								47.97	1964	15	42.00	43.02	43.3	11.59	42.00	42.00
95801								123.21	1968	16	87.21	87.29	88.1	20.37	87.21	87.21
95802								190.72	1960	16	152.31	156.82	160.3	18.08	152.31	152.31
95803								174.55	1968	16	117.18	117.75	119.6	24.40	117.18	117.18
95804								78.18	1968	12	63.32	61.78	63.4	11.75	63.32	63.32

CALENDAR DAY FLOOD STATISTICS

INSTANTANEOUS FLOOD STATISTICS

STATION	MAX FLOOD		YEAR		MAX FLOOD	YEAR		MAX AM	AMAF	MEDAF	GRMAFC	CV	EXTMAF	BESMAF
	MAX	FLOOD	MAX	AM		MAX	AM							
315002	456.00	1968	15	348.17	341.09	355.9	17.43							348.17
315003	468.18	1956	15	340.92	329.10	351.3	22.27							340.92
315004	54.69	1968	14	35.37	32.84	33.4	17.94							35.37
315005	134.13	1968	15	71.67	65.85	68.2	33.94							71.67
317001	256.78	1968	13	153.83	142.75	158.8	36.58							153.83
318002	61.47	1968	16	40.55	39.24	40.9	25.96							40.55
318003	49.81	1968	15	24.24	20.27	23.8	42.87							24.24
319001	22.06	1954	17	12.56	12.29	12.7	33.79							12.56
319002	38.48	1965	17	19.58	19.10	19.3	38.42							19.58
319003	22.45	1954	14	12.68	11.96	12.0	29.03							12.68
319004	22.49	1964	13	19.10	19.25	19.9	13.78							19.10
319005	174.29	1954	17	90.28	83.85	85.5	38.59							90.28
319006	22.17	1967	13	17.74	17.66	18.3	15.58							17.74
319007	73.58	1965	16	34.20	33.23	32.1	41.68							34.20
319008	19.50	1954	17	11.27	11.28	11.2	35.79							11.27
319009	525.24	1954	16	169.43	133.21	159.2	74.30							169.43
319010	129.69	1954	16	57.06	51.77	50.7	37.89							57.06
319011	23.22	1964	12	18.07	17.51	18.6	18.70							18.07
319809	497.96	1954	29	178.67	161.48	163.2	45.03							178.67
311001	27.46	1968	19	20.47	20.13	21.4	21.13							20.47
311003	32.57	1954	19	22.35	23.59	23.6	26.33							22.35
311006	125.33	1968	17	91.93	93.71	95.8	22.23							91.93
313001	29.84	1968	17	22.43	21.56	22.2	21.02							22.43
313002	17.09	1965	13	10.69	9.67	10.3	23.67							10.69
313003	13.79	1965	13	6.92	6.31	6.50	34.71							6.92
315001	38.41	1968	18	32.74	33.18	34.2	14.07							32.74
319002	18.02	1964	14	14.08	13.88	14.6	17.77							14.08
319005	29.66	1969	13	25.27	25.87	25.9	11.33							25.27
319006	88.79	1965	14	53.60	51.63	52.6	26.19							53.60
319009	101.18	1965	11	86.99	88.20	91.1	14.08							86.99
319010	81.69	1965	15	61.64	60.56	62.3	16.82							61.64
322001	26.52	1958	12	20.27	20.11	20.8	18.00							20.27
322002	18.12	1962	13	13.49	12.56	13.4	18.26							13.49
323002	538.16	1951	24	356.68	353.20	358.7	19.49							356.68
324002	58.34	1959	11	37.57	34.67	36.6	23.91							37.57
324003	37.84	1968	13	26.70	27.03	27.3	21.12							26.70
327001	36.30	1967	15	25.53	25.03	25.6	20.06							25.53
327003	53.33	1967	14	39.32	38.16	40.7	23.90							39.32
327033	20.21	1960	11	22.44	21.90	23.2	21.69							22.44
327036	24.81	1964	11	17.20	15.89	18.4	33.40							17.20
328001	77.13	1959	13	42.28	37.43	41.7	36.69							42.28
331001	77.54	1954	5	50.10	45.25	45.8	32.32							50.10
331003	63.68	1954	6	31.87	27.63	26.9	51.65							31.87
331005	29.33	1954	6	15.05	14.13	14.1	44.03							15.05
331006	18.77	1954	6	10.28	9.28	9.31	44.67							10.28
332001	34.65	1950	7	27.51	31.34	29.3	23.13							27.51
332002	39.93	1957	7	27.16	26.86	26.7	25.11							27.16
336001	19.12	1968	7	14.52	13.94	15.2	24.53							14.52
337001	65.15	1965	12	40.96	43.85	43.7	34.71							40.96
338002	42.58	1968	17	31.49	30.38	31.9	16.58							31.49

CALENDAR DAY FLOOD STATISTICS

INSTANTANEOUS FLOOD STATISTICS

STATION	MAX YEAR FLOOD	YEAR MAX	NUM AM	MAX FLOOD	ANAF	MEDAF	ORMAFC	CV	EXYMAF	BESMAP
338003	12.38	1968	15	9.75	10.16	10.3	19.54	9.75		
339001	141.58	1968	16	93.39	84.98	91.8	20.35	93.39		
339003	30.88	1968	16	23.98	24.37	24.6	15.79	23.98		
339005	28.81	1968	16	20.33	18.94	20.7	22.57	20.33		
340003	160.85	1964	7	112.62	103.98	108.8	24.35	112.62		
340903	151.18	1948	12	107.65	106.06	112.1	24.10	107.65		
343002	177.77	1959	11	130.69	127.04	135.3	22.84	130.69		
343005	49.14	1934	13	32.49	30.81	32.2	22.18	32.49		
343007	185.04	1961	18	118.37	108.72	127.5	38.46	118.37		
343010	189.35	1964	12	107.08	97.00	103.9	34.14	107.08		
343013	152.87	1954	13	79.14	63.92	76.7	45.34	79.14		
344001	180.44	1968	17	148.82	147.42	152.5	13.21	148.82		
344002	88.00	1960	17	67.45	65.30	69.1	18.04	67.45		
344003	82.57	1968	16	70.06	71.17	71.5	10.68	70.06		
344004	69.87	1960	16	46.95	50.61	49.1	24.79	46.95		
344005	31.44	1960	16	26.77	27.40	27.6	11.71	26.77		
346003	32.48	1968	8	23.40	22.41	24.2	24.85	23.40		
346004	76.43	1968	10	53.68	51.75	55.0	25.69	53.68		
347001	156.12	1968	15	84.95	82.41	84.0	33.86	84.95		
347002	358.98	1968	16	213.24	199.08	215.7	32.11	213.24		
347003	210.68	1968	16	160.08	169.31	169.8	22.09	160.08		
347004	90.21	1965	16	39.33	31.84	35.1	45.12	39.33		
347005	60.72	1968	16	31.78	27.81	30.9	34.83	31.78		
347006	429.00	1968	16	292.51	283.72	294.4	22.35	292.51		
347007	53.40	1968	17	40.00	41.04	41.0	17.79	40.00		
347008	18.62	1968	16	11.98	11.31	12.1	24.67	11.98		
347009	77.70	1968	14	45.89	47.18	46.8	33.45	45.89		
349001	22.38	1968	14	15.47	15.02	15.7	22.95	15.47		
352001	54.97	1968	14	34.44	33.60	33.9	23.63	34.44		
352003	45.28	1968	15	29.56	26.39	29.8	23.83	29.56		
352004	33.00	1968	14	19.83	19.43	19.2	24.62	19.83		
353001	13.94	1964	14	10.10	10.25	10.4	21.77	10.10		
355001	37.49	1965	15	23.79	22.98	23.2	22.38	23.79		
355002	26.26	1965	13	17.40	16.31	17.1	24.10	17.40		
355003	28.89	1965	12	15.87	13.78	14.7	36.42	15.87		
356001	15.80	1959	13	10.19	9.33	10.4	32.15	10.19		
359001	65.74	1964	18	40.71	36.40	41.6	35.84	40.71		
359002	99.39	1968	18	58.25	53.37	56.7	30.93	58.25		
359003	24.70	1967	16	13.61	13.05	13.3	33.71	13.61		
359005	133.74	1968	16	95.77	95.97	97.9	20.47	95.77		
359007	138.98	1968	18	87.03	87.74	87.1	24.43	87.03		
360002	190.43	1968	16	80.94	75.72	75.7	43.54	80.94		
360003	36.25	1964	16	30.70	30.18	30.8	8.68	30.70		
360007	145.97	1968	16	83.85	71.40	85.7	39.04	83.85		
360008	118.17	1960	16	93.07	91.45	93.9	16.64	93.07		
360009	205.81	1960	17	137.86	134.40	163.9	19.22	137.86		
360011	361.48	1968	17	250.64	243.20	256.6	25.63	250.64		
390806	389.88	1968	14	282.69	286.44	291.1	22.27	282.69		
390807	169.65	1964	23	94.67	81.25	96.1	36.08	94.67		
391801	11.41	1949	28	6.07	5.76	5.84	29.15	6.07		

CALENDAR DAY FLOOD STATISTICS

STATION	MAX FLOOD	YEAR	NUM CAL	CALMAF	CALMED	CALGRM	CALCV
392805	27.96	1956	28	20.64			
393803	91.92	1968	23	41.49			
394808	104.82	1949	25	48.72			
395802	65.92	1965	20	47.49			
396804	52.17	1969	19	27.37			

INSTANTANEOUS FLOOD STATISTICS

STATION	MAX FLOOD	YEAR	NUM AM	AMAF	MEDIAF	GRMAFC	CV	EXTMAF	BESMAP
392805	27.96	1956	28	20.64	20.05	21.1	18.49	20.64	20.64
393803	91.92	1968	23	41.49	33.13	39.8	50.72	41.49	41.49
394808	104.82	1949	25	48.72	42.54	46.3	42.69	48.72	48.72
395802	65.92	1965	20	47.49	43.78	48.4	22.79	47.49	47.49
396804	52.17	1969	19	27.37	25.26	26.8	31.15	27.37	27.37

INSTANTANEOUS FLOODS PEAKS OVER THRESHOLD STATISTICS

STATION	RATE\$	THRESH3	BETA3	RATE2	THRESH2	BETA2	RATE1	THRESH1	BETA1	PT3MAF	PT2MAF	PT1MAF
3801	3.01	57.49	12.21	2.11	61.52	12.47	1.11	71.77	9.66	77.95	78.03	78.35
3803	3.01	38.13	19.62	2.00	47.40	17.87	1.00	56.87	20.60	71.01	70.10	68.76
3804	3.01	37.86	16.47	2.00	48.08	12.95	1.00	54.29	16.08	65.46	64.53	63.57
4001	3.13	258.00	57.67	2.00	282.84	60.76	1.09	318.83	56.88	358.01	360.03	356.56
5901	2.92	218.51	76.08	1.92	238.22	85.24	0.92	294.53	77.14	343.95	343.03	332.62
6901	3.14	197.78	66.17	2.00	223.17	70.74	1.00	272.14	82.10	311.69	313.04	319.53
6903												
6904												
6906												
7001	3.00	125.24	65.52	2.00	141.45	74.72	1.00	177.01	91.45	235.04	236.37	229.80
7002	3.00	190.42	156.34	2.00	217.09	200.52	1.00	271.56	317.17	453.26	471.82	454.64
7003	3.00	26.68	13.42	2.00	34.28	17.79	1.00	43.50	19.56	57.55	56.88	54.79
8001	3.06	374.28	127.53	2.06	309.53	147.06	1.00	419.94	143.12	490.52	500.70	502.55
8002	3.00	89.26	34.26	2.00	103.04	33.54	1.00	118.99	62.34	146.67	145.65	143.43
8003	3.00	68.15	25.27	2.00	75.77	28.35	1.00	98.41	22.44	110.50	111.78	111.35
8004	3.11	175.22	79.93	2.00	161.55	88.90	1.00	218.09	97.59	272.05	274.49	274.42
8005	3.00	115.21	38.59	2.05	127.50	40.84	1.00	147.59	51.23	179.88	180.39	177.16
8006	3.00	332.87	179.77	2.06	373.46	214.90	1.00	518.29	230.18	634.13	652.81	651.15
8007	3.02	50.65	32.13	2.00	61.58	34.41	1.00	82.83	38.46	104.49	105.29	105.03
8008	3.06	31.60	20.37	2.00	35.43	26.42	1.00	48.71	33.69	66.14	68.99	68.16
8009	2.94	58.15	29.29	2.00	68.73	30.53	0.94	86.51	35.85	106.64	107.51	104.98
8010	3.00	157.88	52.77	2.00	185.67	46.69	1.00	204.08	66.36	246.31	244.98	242.38
9001	3.00	87.39	37.75	2.00	98.55	41.29	0.90	127.17	41.71	150.65	151.00	146.85
9002	2.90	164.80	74.13	2.00	183.35	84.87	1.10	233.23	82.05	286.52	291.17	288.41
9801												
10001	3.05	34.81	11.60	2.00	40.15	10.88	1.00	48.68	8.38	54.52	53.97	53.52
12001	3.00	245.67	124.25	2.00	326.96	110.72	1.00	409.22	96.11	473.89	467.61	464.70
15001	3.23	30.96	12.55	2.00	38.83	10.48	1.09	44.54	11.32	52.92	52.14	52.05
15002	3.00	5.01	1.82	2.15	5.62	1.82	1.05	6.68	2.30	8.06	8.06	8.12
15003	3.00	589.96	154.50	2.00	648.28	159.20	1.06	735.24	150.64	848.88	850.52	850.97
15004	3.06	3.51	2.13	2.00	4.36	2.12	1.06	6.03	1.87	7.12	7.05	7.22
15005												
15006	3.00	748.15	212.51	2.00	841.43	198.29	1.00	1024.72	146.49	1104.28	1093.33	1109.28
15007	2.94	250.64	70.36	2.12	268.88	77.44	1.06	336.20	71.16	367.13	371.77	379.42
15008	3.00	19.37	6.65	2.00	22.44	6.31	1.00	26.86	5.98	30.51	30.46	30.29
15008	3.44	9.05	1.74	2.22	10.03	1.64	1.00	10.75	2.54	12.20	12.28	12.22
15809	3.00	4.85	2.57	2.00	6.17	2.25	1.00	7.78	2.28	9.14	9.03	9.10
16001	3.00	151.37	31.21	2.00	166.04	27.33	1.00	189.62	20.97	203.67	200.76	201.72
16002												
16802	2.90	92.26	40.79	2.00	102.32	45.27	1.00	150.24	23.98	159.23	159.83	164.08
18001	2.92	53.62	10.67	1.83	57.60	11.46	1.00	66.55	9.46	71.21	71.14	72.01
18002	3.25	29.92	9.56	2.00	34.75	9.21	0.92	42.75	7.12	46.65	46.45	46.27
18003	2.92	138.93	34.94	1.92	154.03	33.92	1.13	178.23	25.95	196.54	193.74	196.84
19001	3.00	76.96	31.18	2.00	94.51	24.54	1.00	111.41	24.41	129.21	125.68	125.50
19002	3.00	11.53	2.88	2.00	12.62	3.03	1.22	14.92	1.81	16.36	16.47	16.32
19003	3.00	15.58	3.42	2.00	17.84	2.35	1.22	19.31	1.96	21.31	20.83	20.83
19004	3.00	14.91	4.24	2.00	16.58	4.30	1.00	20.19	3.86	22.05	22.04	22.42
19005	2.86	44.43	18.30	2.00	67.14	20.84	0.86	80.51	19.58	94.22	93.61	88.86
19006	3.00	19.51	12.82	2.00	25.41	10.47	0.86	32.23	11.78	40.99	38.71	37.25

INSTANTANEOUS FLOODS PEAKS OVER THRESHOLD STATISTICS

STATION	RATES	THRESH3	BETA3	RATE2	THRESH2	BETA2	RATE1	THRESH1	BETA1	PT3MAP	PT2MAP	PT1MAP
19007	3.00	43.03	24.82	2.00	59.47	18.08	1.00	66.65	23.58	84.42	82.44	80.26
19008	3.00	15.37	8.04	2.00	17.68	9.05	1.00	23.42	9.23	28.84	29.18	28.75
19802	3.00	26.55	12.06	2.00	30.47	13.66	1.00	42.88	7.09	46.76	47.82	46.97
20001	3.00	29.36	21.20	2.00	36.62	23.31	1.00	55.62	17.54	63.04	66.23	65.74
20002	3.00	1.57	1.43	2.00	2.10	1.33	1.00	2.86	1.36	3.97	3.79	3.65
20003	3.00	17.77	13.74	2.12	21.99	20.63	1.00	38.50	19.25	49.18	49.40	49.61
20801	3.00	12.70	9.44	2.00	16.24	9.56	1.00	24.97	7.58	28.61	28.38	29.35
21001	3.00	12.04	4.01	2.00	13.41	4.31	1.00	16.41	4.41	18.76	18.89	18.94
21002	3.22	14.58	5.06	2.00	16.53	5.88	1.74	18.13	4.93	23.42	24.00	23.82
21003	3.06	111.51	63.60	2.03	125.70	78.09	1.00	162.09	107.03	219.33	226.07	223.87
21005	3.00	72.51	33.54	2.00	85.33	33.88	1.00	104.57	37.56	128.73	128.37	126.25
21006	3.00	202.66	96.97	2.00	326.85	103.97	1.00	426.33	67.61	453.17	458.93	465.36
21007	3.00	135.65	57.74	2.00	163.93	54.88	1.00	213.49	36.97	232.41	233.45	234.83
21008	3.00	215.57	95.52	2.00	245.46	105.54	1.00	338.81	84.98	373.65	379.53	387.84
21009	3.00	571.57	190.27	2.00	646.21	194.98	1.00	801.27	182.41	890.43	893.78	906.56
21010	3.00	337.21	120.48	2.00	378.57	144.53	1.00	498.31	117.20	554.20	562.18	565.96
21011	3.00	45.54	18.70	2.43	50.76	17.93	1.00	77.85	9.55	76.88	77.03	83.36
21012	3.00	117.27	40.40	2.00	139.10	34.91	1.00	163.10	27.96	184.97	183.45	179.24
21013	3.17	33.05	9.32	2.00	36.92	9.81	1.00	45.54	7.26	49.18	49.38	49.73
21017												
21031	3.00	54.42	27.40	2.00	64.43	27.93	1.00	77.71	38.18	100.34	99.91	99.75
21032	3.00	25.55	16.96	2.12	35.36	13.22	1.00	48.24	9.76	53.97	52.92	53.87
21803	2.60	24.36	10.00	2.20	30.78	6.19	1.20	36.93	4.48	39.69	39.23	40.33
22001	3.00	96.51	41.76	2.00	106.63	48.25	1.00	148.06	41.50	165.63	167.93	172.01
22002												
22003												
22004	3.00	34.59	25.23	2.00	45.34	23.90	1.00	59.72	24.68	76.87	75.70	73.97
22006	3.00	30.68	22.92	2.00	38.87	23.65	1.00	54.22	23.36	69.29	68.91	67.70
22007	3.00	58.39	43.48	2.00	75.05	50.93	1.00	88.78	73.73	139.63	139.75	131.34
23001	3.00	656.66	211.23	2.00	751.58	196.35	1.00	855.73	223.46	1010.63	1001.02	984.71
23002	3.00	26.75	11.16	2.00	31.07	11.01	1.00	39.73	8.71	43.43	45.06	44.76
23003	3.00	331.75	103.57	2.00	372.58	109.13	1.00	488.59	59.73	513.69	511.21	523.07
23004	3.00	312.41	67.40	2.00	334.83	72.73	1.00	396.79	53.01	423.36	427.22	427.39
23005	3.00	190.63	47.69	2.00	211.25	46.37	1.00	247.92	41.35	270.55	270.16	271.79
23007	3.00	32.32	19.11	2.00	38.38	20.05	1.00	48.76	21.88	64.33	63.83	61.39
23902	2.91	293.71	107.00	2.00	329.64	108.58	0.96	437.17	79.62	471.39	472.36	479.88
24001	3.00	138.60	35.34	2.00	153.76	34.50	1.00	166.12	48.92	197.82	197.59	194.36
24002	3.00	10.40	7.17	2.00	12.80	7.56	1.00	18.40	6.96	22.42	22.40	22.62
24003	3.00	77.77	34.93	2.00	90.16	38.61	1.00	120.07	29.89	137.34	139.21	137.32
24004	3.00	16.88	5.20	2.10	19.05	4.75	1.00	21.84	5.63	23.59	23.32	23.09
24005	3.00	21.77	8.66	2.00	24.66	9.52	1.00	29.31	11.80	36.28	36.75	36.12
24006	3.00	15.92	6.58	2.00	18.30	6.32	1.00	24.17	4.90	26.95	26.96	27.00
24007												
24801	3.00	15.68	6.63	2.00	18.31	6.71	1.00	23.52	6.28	26.79	26.83	27.14
25001	3.00	277.00	89.31	2.00	320.24	81.13	1.00	362.67	90.91	427.51	423.30	415.16
25002	3.00	220.79	56.66	2.10	245.91	50.90	1.10	291.87	33.53	313.74	313.17	314.42
25003	3.00	12.56	2.96	2.00	13.35	3.20	1.00	14.64	4.68	17.52	17.53	17.14
25004	3.00	13.71	6.94	2.00	16.32	6.97	1.00	19.94	8.68	25.34	25.17	24.95
25005	3.00	21.84	10.57	2.00	26.23	10.54	1.00	28.36	17.45	39.55	39.62	38.43
25006	3.00	52.08	17.10	2.11	57.55	18.10	1.00	71.77	16.43	80.89	81.51	81.25

INSTANTANEOUS FLOODS PEAKS OVER THRESHOLD STATISTICS

STATION	RATES	THRESH3	BETA3	RATE2	THRESH2	BETA2	RATE1	THRESH1	BETA1	PT3MAF	PT2MAF	PT1MAF
25007	3.20	9.00	7.96	2.00	13.70	6.37	1.00	17.64	6.93	22.85	21.79	21.66
25008	3.20	189.19	86.50	2.00	209.17	110.65	1.00	289.68	89.58	339.75	349.74	341.39
25010	3.00	4.02	1.95	2.00	4.94	1.76	1.00	5.81	2.14	7.29	7.18	7.05
25808	3.00	0.07	0.02	2.14	0.08	0.02	1.14	0.08	0.03	0.10	0.10	0.10
25809	3.29	0.04	0.02	1.43	0.05	0.01	0.57	0.06	0.01	0.07	0.07	0.06
25810	3.00	0.06	0.02	1.80	0.07	0.02	1.00	0.09	0.01	0.09	0.09	0.09
26001	3.00	1.24	0.24	2.00	1.35	0.22	1.00	1.54	0.18	1.64	1.63	1.64
27001	3.00	76.69	33.26	2.03	85.94	38.39	1.04	102.82	50.63	132.43	135.28	134.99
27002	3.00	180.81	49.16	2.00	201.00	48.42	1.00	235.77	47.81	263.19	262.51	263.37
27004	3.00	52.25	25.38	2.00	60.05	28.28	1.00	70.34	39.52	94.78	95.98	93.15
27006	3.00	189.29	63.43	2.00	217.37	59.57	1.00	266.36	46.77	293.59	293.05	293.36
27007	3.08	139.98	27.56	2.00	152.57	28.66	1.00	168.39	33.61	186.89	188.98	187.79
27009	2.94	5.70	3.01	2.06	6.74	3.09	0.97	9.11	3.20	10.68	10.76	10.86
27010	3.00	9.30	3.24	2.00	10.30	3.60	1.00	11.11	5.79	14.73	14.87	14.43
27013	3.00	60.98	19.62	2.00	68.26	20.13	1.00	83.03	20.02	93.86	93.83	94.59
27014	3.00	73.12	18.07	2.29	75.61	20.85	1.00	97.80	17.51	103.40	104.92	107.91
27015	3.11	83.23	30.40	1.91	73.00	67.60	1.00	120.83	60.95	135.27	138.89	135.22
27021	3.00	16.94	8.99	2.00	21.05	8.44	1.00	26.77	8.72	32.01	31.77	31.80
27022	3.11	195.53	59.88	2.00	214.12	67.47	1.00	283.82	46.08	298.03	299.83	310.42
27023	3.00	29.03	10.89	2.00	34.01	10.19	1.00	37.03	14.74	47.28	46.95	45.54
27024	3.00	16.63	12.70	2.00	21.61	12.30	1.00	31.11	9.92	37.91	37.24	36.84
27025	3.00	192.51	54.22	2.00	209.23	60.33	1.00	259.80	46.80	283.37	285.87	286.81
27026	3.00	114.83	27.94	2.37	124.02	24.82	1.00	146.82	23.48	161.65	159.76	160.37
27027	3.00	94.69	49.57	2.00	114.18	49.59	1.00	138.79	60.91	177.76	177.18	173.95
27028	3.20	21.64	12.77	2.00	31.12	9.93	1.00	38.01	9.60	43.86	43.73	43.55
27029	3.00	87.14	62.57	2.00	111.16	61.24	1.00	140.66	77.86	192.00	188.96	185.60
27030	3.00	25.77	13.43	2.00	29.15	15.93	1.00	42.70	10.38	48.28	49.39	48.69
27031	3.00	147.86	61.31	2.00	177.42	54.42	1.08	206.95	55.41	250.61	246.55	243.20
27032	3.00	142.12	86.40	2.00	190.20	79.85	1.00	252.00	68.86	292.49	291.64	291.75
27033	3.00	277.93	81.57	2.00	355.84	27.12	1.00	388.19	7.52	414.63	390.29	392.53
27034	3.07	14.64	8.06	2.00	19.58	6.24	1.07	25.24	3.84	28.33	27.51	27.72
27801												
27802												
27810												
27811												
27815												
27818												
27819												
27826												
27835												
27846												
27852												
28002												

INSTANTANEOUS FLOODS PEAKS OVER THRESHOLD STATISTICS

STATION	RATE3	THRESH3	BETA3	RATE2	THRESH2	BETA2	RATE1	THRESH1	BETA1	PT3MAP	PT2MAP	PT1MAP
28003	3.00	55.36	12.56	2.00	64.04	7.76	1.07	71.04	4.51	76.41	73.90	73.95
28004	3.08	55.89	6.26	2.00	58.94	5.78	1.00	63.89	3.68	66.53	66.28	66.01
28005	3.00	79.33	26.38	2.00	92.90	23.24	1.08	109.28	20.90	123.56	122.42	122.95
28006	3.00	20.36	6.94	2.00	23.84	5.84	1.00	27.70	5.71	32.02	31.26	31.00
28007	3.00	198.15	48.67	2.00	214.65	52.28	1.00	250.54	52.66	279.71	280.86	280.94
28008	3.00	66.31	19.01	2.00	73.81	19.47	1.00	86.45	20.57	98.17	98.54	98.32
28009	3.00	314.07	105.35	2.00	342.29	123.40	1.00	409.71	148.98	490.42	499.03	495.70
28010	2.97	101.53	35.14	1.94	114.88	37.85	1.06	136.07	42.93	160.07	161.81	163.35
28011	3.00	67.12	27.35	2.09	75.01	28.52	1.00	96.10	29.05	112.95	112.50	112.87
28012	3.00	54.08	15.69	2.00	61.03	14.90	1.00	76.13	10.21	80.17	79.96	82.02
28013												
28014	3.00	21.68	8.12	2.00	24.36	8.79	1.00	32.71	5.55	35.29	35.53	35.91
28015	3.00	9.77	4.84	2.00	12.08	4.27	1.00	17.31	1.21	17.88	17.50	18.01
28016	3.00	9.33	2.72	2.29	9.99	2.80	1.00	13.03	1.69	13.89	13.93	14.03
28017	3.00	17.28	8.16	2.00	17.85	11.09	1.00	34.54	2.25	30.95	31.94	35.84
28018	3.25	89.84	26.05	2.00	100.74	30.34	1.00	127.96	23.14	137.16	139.28	141.32
28019	3.22	105.00	43.61	2.00	130.24	40.93	1.33	152.22	34.63	181.17	182.24	182.08
28020												
28021												
28023												
28026												
28032	3.20	3.62	1.34	2.00	4.06	1.37	1.00	4.56	1.94	5.75	5.80	5.68
28033												
28034												
28035												
28042												
28045	2.67	8.22	1.72	2.00	9.32	1.08	1.00	10.85	0.22	10.90	10.69	10.98
28801	3.00	2.61	1.40	2.07	3.00	1.56	1.05	3.65	2.15	4.96	5.04	5.00
28802	3.00	6.91	2.33	2.00	7.90	2.39	1.00	10.19	1.37	10.81	10.94	10.98
28804	3.01	273.74	147.46	2.00	330.41	150.88	1.00	419.30	175.51	521.35	522.08	520.61
29001	3.00	1.48	0.50	2.33	1.68	0.43	1.00	2.01	0.47	2.32	2.29	2.28
29002												
29003	3.00	2.16	1.24	2.00	2.27	1.65	1.00	3.32	1.75	4.24	4.37	4.33
30001	3.00	10.75	4.53	2.00	12.20	5.04	1.00	16.12	4.66	18.34	18.60	18.69
30002	3.00	16.21	5.07	2.00	18.70	4.53	1.11	22.09	3.65	24.71	24.65	24.58
30003	3.00	10.50	6.63	2.00	12.15	7.82	1.00	18.98	4.90	21.61	22.08	21.81
30004	2.83	3.71	2.36	2.00	4.86	2.10	0.67	5.59	3.33	7.53	7.53	6.18
30007												
30011	3.00	2.52	1.70	2.33	2.59	2.05	1.00	1.39	5.66	5.37	5.51	4.54
30803												
31001												
31002	3.00	11.00	5.79	2.00	13.61	5.60	1.00	16.06	7.05	20.70	20.72	20.13
31003												
31005	3.00	18.12	11.81	2.00	22.71	11.78	1.00	31.90	9.72	37.91	37.67	37.51
31006												
31007												
32001												
32002	3.00	2.73	2.00	2.00	3.39	2.12	0.97	4.78	2.13	6.08	6.08	5.94
32003	3.00	3.99	2.60	1.97	4.95	2.81	1.00	6.74	2.86	8.35	8.48	8.39
32004	3.00	9.47	5.08	2.04	11.29	5.18	1.00	15.62	3.84	17.98	17.97	17.84

INSTANTANEOUS FLOODS PEAKS OVER THRESHOLD STATISTICS

STATION	RATE3	THRESH3	BETA3	RATE2	THRESH2	BETA2	RATE1	THRESH1	BETA1	PT3MAP	PT2MAP	PT1MAP
32006												
32007	3.07	10.08	5.57	2.17	12.21	5.38	1.00	16.53	5.33	19.54	19.48	19.61
32008	3.00	4.06	5.13	2.00	6.39	4.96	1.04	10.27	4.03	12.66	12.69	12.75
32009												
32010	3.00	43.26	18.82	2.00	49.36	20.59	1.03	62.14	21.61	74.80	75.52	75.25
32801	3.20	0.95	0.82	2.20	1.16	0.92	1.00	2.00	0.97	2.38	2.42	2.56
33001												
33002												
33003												
33005												
33006	3.15	4.40	2.02	2.00	5.28	2.15	1.00	7.60	1.18	7.88	8.01	8.28
33007												
33008												
33009	3.00	57.86	23.98	2.00	74.56	22.41	1.06	79.48	34.13	106.43	103.03	101.18
33011	3.00	1.26	1.18	1.62	1.82	1.05	0.75	2.65	0.99	3.24	2.93	2.94
33012	3.00	10.64	8.06	2.11	13.78	7.73	1.00	20.14	6.69	24.15	24.01	24.00
33013	3.11	2.94	1.92	2.00	3.72	1.94	1.00	4.40	2.73	6.23	6.18	5.98
33014	3.00	5.25	2.58	2.00	5.99	2.84	1.00	7.79	3.02	9.57	9.60	9.53
33015	3.00	13.40	2.77	2.00	14.36	3.08	1.14	15.64	3.88	18.04	18.27	18.39
33016												
33017	3.00	58.66	24.49	2.05	66.69	26.09	1.00	87.54	22.20	99.70	100.68	100.35
33018	3.00	12.38	4.14	2.00	13.75	4.42	1.14	16.58	4.01	19.32	19.37	19.42
33019	3.00	5.00	1.80	2.00	5.98	1.50	1.00	7.24	1.15	8.02	7.89	7.90
33020	3.00	24.42	5.34	2.00	26.63	5.04	1.00	30.77	4.12	33.37	33.03	33.15
33021	3.00	5.22	1.29	2.00	6.05	0.88	1.00	6.85	0.60	7.38	7.17	7.20
33023	2.83	1.18	0.75	2.00	1.59	0.64	1.00	2.06	0.69	2.39	2.40	2.46
33024	3.00	5.67	1.64	2.00	6.26	1.48	1.00	7.44	1.59	8.44	8.39	8.56
33020	3.00	2.21	0.66	2.00	2.51	0.64	1.00	2.92	0.70	3.32	3.32	3.32
33035												
33045												
33801												
33805												
33807												
33809	3.00	5.73	2.49	2.00	7.03	2.11	1.00	7.87	2.73	9.90	9.71	9.65
33813												
34001	3.36	6.50	2.52	2.00	7.51	0.05	1.00	0.28	0.07	0.53	0.53	0.52
34002	3.00	5.17	4.01	2.00	6.29	4.43	0.91	7.59	3.08	11.01	11.17	11.30
34003	3.00	3.38	1.69	2.00	3.83	1.95	1.00	4.83	2.33	11.89	11.92	11.05
34004												
34005	3.00	1.74	0.84	2.11	15.00	3.99	1.00	17.80	4.23	6.21	6.31	6.17
34006												
34007	3.00	10.29	16.51	2.00	14.14	19.69	1.00	16.10	33.64	3.15	3.18	20.24
34008	3.00	0.86	0.14	2.00	0.92	0.13	1.00	1.06	0.06	37.96	39.15	35.52
34011	3.00	3.28	0.68	2.00	3.73	0.50	1.00	4.18	0.26	1.09	1.09	1.09
35001												
35002	3.00	3.14	1.94	2.00	3.71	2.22	1.00	3.91	3.92	6.42	6.53	6.17
35003	3.00	4.56	0.93	2.00	4.58	1.29	1.00	5.17	1.47	6.12	6.22	6.02
35008	3.00	7.14	5.63	2.00	9.94	5.31	1.00	13.03	5.55	16.57	16.69	16.23
35801	3.05	0.35	0.07	2.19	0.37	0.08	1.00	0.42	0.09	0.47	0.48	0.47

INSTANTANEOUS FLOODS PEAKS OVER THRESHOLD STATISTICS

STATION	RATES	THRESH3	BETA3	RATE2	THRESH2	BETA2	RATE1	THRESH1	BETA1	PT3MAF	PT2MAF	PT1MAF
35802	3.17	5.08	2.86	2.00	7.07	2.77	1.00	8.02	4.06	10.03	10.59	10.36
36002	3.17	1.61	1.01	2.00	1.66	1.51	1.00	2.78	1.30	3.36	3.58	3.53
36003	3.00	6.12	3.30	2.00	7.30	3.62	1.00	11.33	1.42	11.63	11.64	12.13
36005	3.00	14.92	11.16	2.17	16.57	13.25	1.00	20.30	21.49	33.62	34.48	32.70
36006	3.20	2.01	1.13	2.20	2.23	1.35	1.20	2.80	1.60	3.98	4.07	4.02
36008	2.75	10.52	6.39	2.00	12.18	6.69	0.88	13.90	10.27	20.67	20.68	18.52
37001	3.11	13.87	6.62	2.05	16.83	6.33	1.00	21.45	6.69	25.20	25.03	25.31
37003	3.00	2.35	2.09	2.00	2.83	2.52	1.00	4.71	1.66	5.83	6.03	5.67
37005	3.00	7.78	3.49	2.00	9.67	2.81	1.00	10.76	3.82	13.63	13.24	12.94
37006	3.00	13.11	4.00	2.14	14.43	4.01	1.00	18.44	3.23	19.81	19.80	20.32
37007	3.00	10.32	4.64	2.00	11.57	5.35	1.00	13.34	5.24	18.10	18.37	18.36
37008	3.14	1.99	0.94	2.00	2.19	1.23	1.14	3.01	0.96	3.41	3.75	3.69
37010	3.00	6.77	2.82	2.00	7.68	3.01	1.00	9.81	2.97	11.50	11.50	11.52
37011	3.00	4.66	2.46	2.00	5.44	2.70	1.00	7.88	2.25	8.78	8.87	9.18
37012	3.00	4.13	3.85	2.00	5.29	4.14	1.00	6.78	3.03	10.58	10.53	9.69
37013	3.00	4.88	3.45	2.00	6.79	3.22	1.00	8.42	3.36	10.66	10.88	10.34
37014	3.00	5.32	3.20	2.00	5.84	4.03	1.00	10.00	2.56	10.66	10.98	11.48
37801												
37802												
37805												
37807												
37810												
37811												
37812												
38001												
38002	3.03	3.66	2.16	2.00	4.59	2.12	1.03	6.31	1.72	7.30	7.28	7.35
38003	3.31	1.30	0.39	2.06	1.47	0.40	1.00	1.67	0.52	1.99	1.99	1.97
38004	3.00	8.43	4.11	2.10	9.69	4.33	1.00	11.66	5.91	15.32	15.40	15.07
38007	3.00	3.62	1.95	2.05	3.96	2.41	1.00	5.73	2.38	6.89	7.08	7.10
38011												
38013												
38014	3.08	3.99	1.32	2.00	4.76	1.06	1.00	5.60	0.90	6.24	6.11	6.12
3807	3.00	14.68	5.96	2.07	16.39	6.37	1.00	21.29	6.15	24.67	24.70	24.84
39001	3.23	200.00	84.04	2.00	239.48	83.35	1.00	296.60	86.57	347.04	345.36	346.57
39002												
39003	3.03	5.28	2.05	2.07	5.97	2.26	0.97	6.96	3.47	8.74	8.92	8.86
39004	2.97	2.05	0.59	2.07	2.26	0.58	1.00	2.66	0.68	3.03	3.02	3.05
39005	3.00	8.83	2.95	2.00	9.67	3.33	1.00	12.03	3.01	13.77	13.90	13.79
39006												
39007	3.00	15.78	4.29	2.12	17.48	4.10	1.06	19.12	5.62	22.97	22.93	22.69
39008												
39009												
39010												
39011	3.00	26.75	6.87	2.00	30.11	6.07	1.07	33.85	5.76	38.26	37.82	37.56
39012				1.70	9.40	3.28	1.00	11.57	2.72	13.03	13.03	13.14
39014												
39015												
39016	3.14	25.32	7.00	1.43	29.69	5.97	1.00	33.08	4.96	37.37	35.27	35.94

INSTANTANEOUS FLOODS PEAKS OVER THRESHOLD STATISTICS

STATION	RATE3	THRESH3	BETA3	RATE2	THRESH2	BETA2	RATE1	THRESH1	BETA1	PT3MAP	PT2MAP	PT1MAP
30017	3.00	2.88	2.59	2.00	3.71	2.89	1.14	5.30	2.77	7.22	7.38	7.26
30019												
30020												
30021												
30022												
30023	3.25	2.62	0.12	2.00	2.65	0.16	1.00	2.84	0.05	2.83	2.85	2.87
30024												
30025												
30026												
30031												
30033												
30803	3.33	4.69	2.15	2.00	5.62	2.39	1.00	7.28	2.30	8.52	8.66	8.61
30804	3.00	17.80	5.66	2.00	20.40	2.59	1.14	21.87	2.46	23.93	23.69	23.61
30811												
30813	3.00	1.83	1.43	2.00	2.15	1.76	1.00	2.64	2.72	4.23	4.39	4.21
30814												
30820	3.12	4.78	1.69	2.24	5.34	1.72	1.00	6.22	2.51	7.68	7.72	7.67
30821	3.00	14.37	5.30	2.00	16.47	5.41	1.00	19.76	5.74	23.25	23.34	23.07
30822												
30824	3.00	2.92	1.54	2.00	3.09	2.14	1.00	4.16	2.44	5.50	5.81	5.57
30825												
30826												
30827	2.87	4.04	1.61	2.00	4.56	1.78	1.00	5.80	1.81	6.67	6.82	6.84
30828												
30830	3.00	1.43	0.57	2.00	1.58	0.67	1.00	1.92	0.80	2.39	2.43	2.38
30831	3.00	1.81	0.31	2.00	1.93	0.31	1.00	2.03	0.45	2.33	2.32	2.29
30832												
30834	3.00	17.62	6.97	2.00	19.84	7.82	1.00	28.07	5.33	29.30	29.77	31.15
30835												
30839												
30840	2.93	6.26	2.48	2.13	7.30	2.13	1.00	9.53	1.49	10.36	10.14	10.39
30841												
30901												
40001												
40002												
40003	3.00	105.21	34.70	2.00	120.32	34.16	1.00	132.38	49.26	163.36	163.72	160.81
40004	3.29	20.88	16.47	2.29	23.56	20.25	1.00	40.35	21.76	50.00	52.03	52.91
40005	3.00	24.00	14.15	2.00	29.55	14.23	1.00	37.73	14.45	47.71	47.63	47.32
40006	3.00	3.84	3.61	2.00	4.44	4.42	1.20	5.11	6.59	9.89	10.31	10.12
40007	3.00	37.55	15.49	2.00	42.57	17.05	1.00	52.63	21.12	63.51	64.23	66.82
40008	3.00	18.05	4.83	2.00	19.77	4.90	1.00	23.60	4.41	26.14	25.99	26.15
40009	3.00	22.60	7.60	2.00	27.24	5.89	1.12	30.10	6.49	35.34	34.72	34.58
40010												
40011	3.20	16.56	2.84	2.00	17.61	3.11	1.40	19.33	2.11	21.50	21.56	21.48
40012	3.00	2.65	3.01	2.00	2.49	4.97	1.00	1.08	11.59	7.49	8.80	7.77
40013												
40018												
40019	3.00	19.57	13.27	2.00	21.69	16.82	1.00	22.68	30.41	61.81	43.06	40.03
40020												
40801												

INSTANTANEOUS FLOODS PEAKS OVER THRESHOLD STATISTICS

STATION	RATE3	THRESH3	BETA3	RATE2	THRESH2	BETA2	RATE1	THRESH1	BETA1	PT3MAP	PT2MAP	PT1MAP
40804												
40805												
40808												
40806												
40810												
41001												
41002												
41003	3.00	23.77	13.63	2.00	29.21	13.51	1.00	38.17	13.92	46.65	46.37	46.20
41005	3.00	22.02	11.59	2.00	26.06	12.46	1.00	31.86	15.64	41.44	41.89	40.89
41006	3.00	20.23	9.67	2.00	23.86	8.70	1.00	28.70	9.58	34.76	34.91	34.23
41007	3.00	56.18	23.07	2.00	63.19	25.64	1.00	74.50	33.66	94.84	95.76	93.93
41010												
41011												
41012												
41013												
41801	3.00	0.59	0.22	2.00	0.64	0.25	1.60	0.74	0.23	0.96	0.96	0.95
41806	3.25	6.07	0.91	2.00	6.40	1.04	1.00	6.96	1.28	7.67	7.72	7.70
41811												
41812												
42001												
42002												
42005												
42006	3.00	2.60	1.01	2.00	3.07	0.92	1.00	3.74	0.88	4.29	4.24	4.25
42801												
43001												
43002	3.00	87.34	30.60	2.00	98.11	30.90	1.11	117.71	23.77	138.62	137.36	133.91
43005	3.25	8.52	1.82	2.00	9.14	1.83	1.00	10.52	1.73	11.52	11.46	11.52
44001												
44002												
44003												
44004												
45001	2.92	122.31	50.08	2.00	142.05	50.99	1.00	164.54	68.40	204.88	206.83	204.02
45002	3.00	102.31	46.54	2.00	123.10	44.01	1.00	152.18	43.18	180.30	179.01	177.10
45003	3.00	38.19	28.19	2.00	48.82	28.44	1.14	59.53	34.80	85.43	84.93	84.20
45004	3.00	66.34	31.55	2.25	69.23	37.10	1.00	103.50	50.44	119.21	120.73	132.61
45005	3.00	40.63	29.14	2.00	47.65	34.76	1.00	52.48	57.54	89.46	91.81	85.69
45006	3.00	5.18	3.73	2.00	6.99	3.33	1.00	9.26	3.19	11.43	11.22	11.10
45801												
45802												
45804												
45805												
45806	3.00	59.00	46.55	2.00	84.19	37.77	1.00	117.18	26.30	137.01	132.17	132.36
45807												
45811												
46002	3.00	131.53	59.38	2.00	162.21	51.12	1.00	203.54	42.17	231.04	227.15	227.88
46003	3.00	129.90	53.85	2.00	163.78	42.22	1.00	201.74	27.12	220.14	217.61	217.39
46004												
46005	3.00	30.15	11.31	2.00	38.41	7.34	1.00	38.97	12.09	49.10	47.73	45.95
46801	3.00	17.55	3.60	2.17	18.79	3.61	1.17	20.44	4.29	23.58	23.67	23.59
46802												

INSTANTANEOUS FLOODS PEAKS OVER THRESHOLD STATISTICS

STATION	RATE3	THRESH3	BETA3	RATE2	THRESH2	BETA2	RATE1	THRESH1	BETA1	PYSMAF	PT2MAF	PT1MAF
46803												
46805												
46806	3.00	18.32	5.18	2.06	19.84	5.69	1.12	24.49	4.89	27.00	27.24	27.87
46807												
46809												
47001	3.00	207.09	72.90	2.00	235.08	74.40	1.00	289.37	72.48	329.26	329.59	331.21
47004	3.12	29.38	5.58	2.12	31.02	6.17	1.00	35.14	6.55	38.95	39.22	38.92
47005	3.00	30.96	10.84	2.00	35.62	10.12	1.00	41.49	11.32	49.13	48.68	48.02
47006	3.00	75.39	42.22	2.00	90.98	44.45	1.00	123.44	41.58	146.14	147.45	147.44
47007	3.00	19.86	2.00	2.00	20.84	1.79	1.14	21.97	1.49	23.21	23.11	23.03
48002	3.00	51.34	38.97	2.00	68.64	36.55	1.00	89.37	42.93	116.65	115.07	114.15
48003	3.00	8.25	3.14	2.00	9.51	3.09	1.00	12.10	1.75	13.51	13.64	13.11
48005												
48006												
48007												
49001	3.00	35.80	7.50	2.00	41.02	4.89	1.00	42.89	6.31	48.37	47.23	46.53
49002	3.17	3.00	2.94	2.00	5.22	1.91	1.00	6.51	1.85	8.09	7.65	7.58
49003												
49001	3.00	36.23	6.87	2.00	42.11	3.51	1.00	44.50	3.81	47.74	46.57	46.70
50001	3.00	154.79	77.67	2.00	174.42	90.94	1.00	217.28	117.49	284.95	289.95	285.10
50002	3.44	158.80	65.64	2.00	195.42	64.27	1.00	232.09	68.92	277.78	277.07	271.87
50003												
50801												
50802												
50803												
50804												
50805												
51801												
52002												
52003	3.00	6.27	3.70	2.00	6.57	4.89	1.00	8.93	6.97	12.47	12.78	12.95
52004	3.14	20.52	2.88	2.00	21.71	2.96	1.00	24.56	2.11	25.48	25.47	25.78
52005	3.00	30.09	20.05	2.00	38.92	18.93	1.00	50.03	21.12	63.69	62.97	62.22
52006	3.00	34.47	6.21	2.00	37.19	5.85	1.00	40.31	6.89	44.88	44.62	44.29
52007												
52008												
52009	3.00	5.17	1.55	2.00	6.20	1.08	1.00	7.23	0.80	7.77	7.57	7.69
52010	3.00	24.94	15.19	2.00	27.96	18.71	1.00	34.53	27.19	50.40	51.73	50.22
52011												
52013												
52014												
52805												
53001	3.10	42.88	25.63	2.03	47.59	33.29	1.03	78.50	21.78	86.67	90.58	91.72
53002												
53003	3.00	91.13	37.43	2.03	96.70	47.66	1.00	125.51	59.05	153.86	157.96	159.59
53004	3.00	10.23	17.38	2.00	12.54	23.09	1.00	22.59	31.82	39.36	41.87	40.96
53005	3.00	15.10	7.86	2.25	16.49	8.80	1.00	22.29	11.89	28.27	28.71	29.15
53006	3.25	15.91	9.79	2.00	17.24	14.13	1.00	24.66	17.93	33.10	35.19	35.04
53007	3.00	35.93	14.26	2.00	36.98	19.85	1.00	45.79	25.46	59.83	62.20	60.49
53008	3.00	23.62	15.59	2.00	26.46	18.80	1.00	36.55	24.36	49.75	50.54	50.44
53009												

INSTANTANEOUS FLOODS PEAKS OVER THRESHOLD STATISTICS

STATION	RATES	THRESH3	BETA3	RATE2	THRESH2	BETA2	RATE1	THRESH1	BETA1	PT3MAP	PT2MAP	PT1MAP
53801	3.00	2.94	2.28	2.00	3.36	2.98	1.00	5.10	3.03	6.76	7.02	6.86
53802	3.00	5.90	5.03	2.00	7.32	6.98	1.00	8.87	10.42	15.84	16.19	14.88
54001	3.02	252.48	77.25	2.02	282.79	79.96	1.00	337.56	86.06	382.45	385.16	387.23
54002	3.00	85.74	50.90	2.03	102.46	54.31	1.06	129.63	63.34	171.04	172.26	169.88
54003												
54004	3.00	16.11	8.41	2.00	19.33	8.93	1.00	24.21	11.10	30.20	30.67	30.62
54005	2.94	221.25	55.68	2.06	230.05	71.57	1.00	285.99	56.32	313.44	323.09	318.50
54006	3.06	10.84	6.75	2.00	13.23	7.48	1.00	15.21	11.29	22.29	22.73	21.73
54007	3.08	35.02	8.07	2.00	38.02	8.64	1.08	41.60	10.91	48.76	49.00	48.74
54008	3.08	77.94	55.34	2.00	114.58	41.14	1.00	134.86	52.60	172.14	166.87	165.22
54009												
54010	3.00	21.56	11.69	1.90	23.91	14.44	0.90	33.26	13.92	41.15	41.51	39.83
54011	3.00	10.71	9.80	2.00	14.69	10.21	1.00	24.32	8.20	27.13	27.66	29.05
54012	3.00	31.63	9.04	2.20	36.21	7.59	1.00	44.07	5.36	46.78	46.58	47.16
54013	3.00	30.59	18.73	2.17	34.26	23.15	1.00	51.33	23.24	61.98	63.56	64.74
54014	3.11	134.38	89.69	2.00	156.53	110.76	1.00	180.14	174.82	287.91	297.24	281.09
54016	2.29	11.14	5.41	1.43	13.94	4.40	0.37	15.62	6.54	18.75	18.05	15.72
54017	3.00	18.71	2.04	2.00	19.89	1.54	1.12	20.49	1.91	22.13	21.85	21.81
54018	2.83	18.67	4.78	1.67	20.22	5.53	0.83	24.50	5.26	26.40	26.23	26.56
54019	3.00	17.58	11.89	2.00	21.09	13.14	1.00	28.25	16.04	37.51	37.78	37.51
54020	3.33	8.37	1.45	2.00	9.46	1.04	1.00	10.15	1.01	10.95	10.78	10.73
54021												
54022	3.05	8.40	2.74	2.05	9.52	2.66	1.11	10.47	3.58	13.04	12.96	12.91
54801												
54802												
54806												
54809												
54812												
54813												
55001	3.00	385.49	102.86	2.03	435.26	90.37	1.03	494.91	97.62	557.87	551.41	554.14
55002	3.11	317.93	80.39	2.05	357.01	74.63	1.00	410.81	77.76	455.54	453.64	455.69
55003	3.00	46.64	3.83	2.24	48.45	3.05	1.03	51.54	2.14	53.06	52.67	52.84
55004	3.00	39.86	11.00	2.00	45.12	10.10	1.06	51.04	10.41	58.29	57.93	57.66
55005	3.00	66.76	38.91	2.03	80.75	40.18	1.00	102.54	51.20	131.97	132.39	132.09
55006												
55007	3.06	315.59	150.23	2.03	364.01	170.28	1.03	463.87	193.57	570.32	582.86	581.32
55008	3.05	10.44	3.71	1.95	11.83	3.94	1.00	13.76	4.75	16.72	16.74	16.50
55009	3.04	71.20	36.32	2.04	89.49	32.74	1.00	114.37	30.70	132.55	131.72	132.09
55010	3.00	30.20	13.37	2.00	33.90	15.48	1.06	44.82	14.29	52.61	53.66	53.90
55011												
55015	3.06	11.49	5.20	2.00	13.34	5.71	1.06	17.19	5.50	20.31	20.59	20.69
55808												
56001	3.00	244.51	107.69	2.00	305.67	90.39	1.00	342.08	123.08	424.98	420.50	413.12
56002	3.00	52.86	27.45	2.00	62.74	28.37	1.00	87.11	22.18	98.86	98.78	99.91
56003	3.17	14.45	7.58	2.00	17.43	8.28	1.00	23.81	8.03	27.57	27.95	28.46
56004	3.00	198.41	129.64	2.00	228.44	137.52	0.67	355.37	102.81	415.66	403.14	373.54
56005												
56006	3.00	93.83	57.29	2.00	110.21	65.90	1.00	188.08	32.50	190.68	193.93	206.84
57003	3.00	170.61	98.65	1.90	205.05	106.49	1.00	247.60	135.85	335.93	334.87	326.01
57004	3.00	43.79	17.10	2.11	49.31	17.75	1.11	56.23	24.31	72.45	72.81	72.80

INSTANTANEOUS FLOODS PEAKS OVER THRESHOLD STATISTICS

STATION	RATES	THRESH3	BETA3	RATE2	THRESH2	BETA2	RATE1	THRESH1	BETA1	PT3MAP	PT2MAP	PT1MAP
57005												
57006												
58001	3.20	66.26	27.36	2.10	73.49	33.63	1.00	108.52	21.69	113.88	117.59	121.04
58002	3.10	123.16	51.10	2.00	148.82	47.63	1.10	180.13	46.24	210.47	209.33	211.25
58003	3.25	16.47	2.06	2.00	17.88	1.54	1.37	18.98	1.07	20.09	19.84	19.93
58004	2.87	52.06	26.72	2.37	54.87	29.38	1.37	71.44	30.12	95.65	97.18	98.31
59001	3.08	140.63	40.30	2.00	160.86	37.40	1.00	193.91	29.57	209.38	208.37	210.98
60001	3.00	265.97	67.60	2.09	259.64	77.93	1.00	326.18	81.74	359.26	362.07	373.36
60002	3.00	87.65	34.77	2.00	107.85	27.53	1.00	130.12	25.03	145.92	142.82	144.57
60003	3.00	50.57	9.59	2.00	57.49	3.51	1.00	61.00	1.97	64.97	61.95	62.57
60007												
61001	3.00	39.19	6.23	2.00	40.82	7.22	1.00	48.48	3.61	49.63	49.99	50.56
61002	3.00	51.99	17.76	2.00	42.25	13.70	1.00	74.65	10.32	81.75	79.65	80.61
62001	3.20	131.10	34.20	2.10	141.02	39.00	1.00	167.56	44.74	190.71	193.77	193.38
63001	3.20	40.59	27.69	2.14	72.76	27.65	1.00	88.06	33.22	109.55	109.76	107.24
63002	3.50	46.55	17.52	2.00	50.58	24.03	1.00	75.31	22.31	78.61	82.25	88.19
64001	3.00	210.32	59.17	2.00	245.61	48.41	1.00	292.97	26.35	309.48	307.11	308.18
65001	3.00	46.44	8.48	2.14	50.26	7.44	1.00	56.44	7.51	60.65	60.21	60.77
65801												
65901												
66001	3.00	306.41	68.53	2.00	339.14	63.14	1.00	414.54	23.46	419.25	419.35	428.08
66002	3.00	49.68	25.97	2.00	56.97	28.80	1.00	71.45	35.82	93.20	93.67	92.13
66003	3.00	14.71	9.02	2.00	16.84	10.61	1.00	25.08	8.69	29.83	30.32	30.10
66011	3.00	325.67	87.43	2.00	383.22	61.65	1.00	438.98	50.61	472.19	461.54	468.19
66801	3.00	10.46	2.88	1.83	11.46	2.06	1.00	14.26	1.75	15.29	14.96	15.27
67001												
67002	3.00	146.69	71.29	2.00	188.76	76.17	1.03	236.32	82.43	284.16	285.52	286.34
67003	3.00	9.53	2.46	2.00	11.38	1.47	1.00	12.56	1.15	13.65	13.25	13.22
67004												
67005	3.00	21.03	9.45	2.00	24.42	9.85	1.00	31.22	9.87	36.87	36.93	36.92
67006	3.00	40.23	24.98	2.00	47.67	29.74	1.00	65.25	32.94	82.09	85.45	84.26
67007	3.00	132.22	83.05	2.00	161.40	86.80	1.00	174.00	142.42	271.40	271.67	256.21
67008												
67009	3.42	4.10	2.66	2.00	5.54	2.58	1.00	7.58	2.10	8.91	8.82	8.79
67010												
67013												
67014												
67018												
67801	3.00	27.76	8.77	2.00	31.47	9.19	1.00	41.51	4.01	42.46	43.14	43.82
67803												
68001	3.09	31.89	17.12	2.09	38.29	18.00	1.00	48.71	22.80	61.09	61.95	61.87
68002	3.00	13.12	2.30	2.00	14.52	1.78	1.00	16.03	1.38	16.97	16.78	16.83
68003	3.00	42.43	17.52	2.00	50.36	16.81	1.00	63.20	15.27	71.79	71.71	72.01
68004	3.00	8.03	2.53	2.17	8.08	2.62	1.00	11.01	2.04	12.27	12.25	12.19
68005	3.06	14.14	7.25	2.03	17.38	6.98	1.03	24.52	4.55	26.43	26.35	27.28
68006	3.00	37.77	17.81	2.00	43.79	19.47	1.00	54.18	24.57	67.62	68.52	68.36
68007	3.00	14.17	6.76	2.00	18.24	5.20	1.00	23.69	2.76	25.50	24.85	25.28
68801	3.03	21.00	10.01	2.06	26.32	7.59	1.06	31.14	7.78	37.87	36.19	36.08
68802	3.00	0.80	0.42	2.00	1.06	0.32	1.00	1.26	0.32	1.50	1.47	1.44
69001	3.00	107.15	45.26	2.00	132.55	35.84	1.06	154.76	34.95	183.00	178.08	176.97

INSTANTANEOUS FLOODS PEAKS OVER THRESHOLD STATISTICS

STATION	RATE3	THRESH3	BETA3	RATE2	THRESH2	BETA2	RATE1	THRESH1	BETA1	PT3MAF	PT2MAF	PT1MAF
69002	3.00	130.58	66.35	2.00	158.86	67.04	1.00	211.45	58.53	241.77	244.03	245.23
69003	3.50	22.52	9.42	2.30	25.24	11.51	1.00	39.33	6.29	39.76	41.47	42.96
69005												
69006	3.00	30.27	8.01	2.03	33.94	7.34	1.00	40.27	5.64	43.69	43.37	43.53
69007	3.00	106.17	52.78	2.18	128.65	48.78	1.00	156.19	58.29	194.62	194.82	194.86
69008												
69011												
69016												
69801	3.05	38.56	16.36	2.00	48.23	12.58	1.00	56.11	14.53	66.25	64.21	64.50
69802	3.00	8.72	2.87	2.00	9.44	3.30	1.00	11.61	3.74	13.53	13.63	13.77
69803	3.00	40.00	15.40	2.05	45.72	15.61	1.00	57.85	14.37	65.81	65.94	66.14
69804	3.00	46.61	23.97	2.00	55.30	24.75	1.00	73.35	24.00	86.78	86.74	87.20
69805												
69806	3.00	3.44	0.94	2.33	3.74	0.92	1.11	4.79	0.53	5.02	5.05	5.15
69901												
70801												
70802												
71001	3.00	485.83	135.04	2.00	530.80	145.25	1.00	639.31	126.19	712.13	715.32	712.13
71003	3.00	8.52	3.94	2.08	10.39	3.44	1.00	12.83	4.06	15.16	14.89	15.17
71004	3.00	116.60	38.13	2.00	141.84	27.45	1.14	159.78	28.10	180.50	176.71	179.68
71005	3.11	9.84	4.23	2.00	10.74	5.43	1.00	14.66	5.33	17.08	17.64	17.74
71007	3.00	319.29	62.58	2.00	344.93	61.86	1.00	423.25	28.83	424.16	423.51	439.89
71802	3.00	135.55	14.66	2.00	144.39	11.43	1.00	160.12	158.91	160.12	158.91	
71803	3.00	237.48	75.92	2.00	284.27	59.34	1.00	333.03	47.99	364.71	359.65	360.75
71804												
72001	3.00	451.79	160.42	2.00	544.76	125.81	1.00	632.35	103.71	720.63	704.58	692.21
72002	3.00	117.24	25.10	2.00	133.81	17.46	1.00	143.81	17.19	159.30	155.99	153.73
72803												
72804	3.17	157.98	47.34	2.17	175.66	48.92	1.17	212.94	42.59	239.96	241.80	244.21
72807	3.08	180.98	112.07	2.00	228.74	112.88	1.08	296.40	112.68	371.74	372.16	370.11
73001	3.30	46.30	14.19	2.03	52.31	14.64	1.00	61.41	15.62	71.43	71.13	70.43
73002	3.00	11.56	5.44	2.00	13.68	5.54	1.00	15.68	7.30	20.71	20.72	19.89
73005												
73013												
73804												
73805	3.00	119.44	32.68	2.00	133.89	33.08	1.00	162.35	21.69	174.21	175.91	174.87
74001												
74802												
74801												
75001												
75002	3.22	126.31	46.38	2.22	151.59	36.80	1.11	190.13	19.16	207.32	202.18	203.19
75003												
75004												
76001												
76002	3.00	346.42	109.32	2.00	379.07	117.18	1.00	442.68	140.51	529.62	527.93	523.78
76003	3.00	109.47	32.86	2.12	119.10	34.39	1.00	140.96	37.44	164.54	164.79	162.57
76004	3.00	96.92	34.80	2.29	104.11	36.32	1.00	122.87	58.72	153.24	153.17	156.76
76005	3.00	206.60	73.20	2.00	248.34	58.63	1.00	301.02	34.52	329.27	322.82	320.95
76008												
76011	3.00	1.18	0.65	2.00	1.46	0.56	1.00	1.99	0.26	2.27	2.17	2.14

INSTANTANEOUS FLOODS PEAKS OVER THRESHOLD STATISTICS

STATION	RATE3	THRESH3	BETA3	RATE2	THRESH2	BETA2	RATE1	THRESH1	BETA1	PT3MAF	PT2MAF	PT1MAF
76801												
77001	3.00	511.48	161.89	2.00	568.92	168.67	1.00	707.36	146.98	782.78	763.19	792.20
77011	3.00	253.77	98.08	2.17	307.00	78.36	1.00	335.91	111.86	418.14	412.94	400.48
78004	2.87	42.56	12.76	2.25	45.77	12.72	1.00	50.57	21.78	63.38	63.43	63.14
79002	3.00	308.48	106.22	2.00	334.40	121.46	0.92	416.69	141.89	486.49	486.76	486.76
79003	2.67	52.38	16.87	1.89	58.95	17.23	1.00	68.02	29.27	78.69	79.86	84.92
79004	2.83	98.78	30.41	2.17	115.70	20.76	1.17	124.42	27.57	147.97	143.77	144.66
79005	2.80	83.72	17.64	2.00	88.62	17.40	0.80	98.87	17.21	112.06	110.72	104.96
80001	3.00	63.53	15.06	2.00	72.89	12.25	1.00	82.01	10.11	90.77	88.45	87.85
80801	2.86	10.15	2.22	1.86	11.39	2.19	1.00	12.89	1.71	13.76	14.01	13.88
81002	3.00	145.39	35.57	2.00	158.92	36.66	1.00	191.21	25.48	205.00	205.49	205.92
82001	2.83	48.61	10.87	1.83	72.43	10.57	1.17	76.97	13.55	86.19	84.92	86.92
83001												
83002	3.00	42.12	7.80	2.00	45.20	8.03	1.00	52.48	6.91	55.19	55.60	56.67
83802	3.05	56.51	11.86	2.07	60.46	12.85	1.09	66.64	15.81	76.58	77.23	77.13
84001	3.14	70.61	13.19	2.00	80.42	16.70	1.00	94.18	13.92	101.92	101.64	102.21
84002	3.15	13.17	3.74	2.00	14.74	3.85	1.08	16.53	4.60	19.42	19.63	19.54
84003	3.00	201.49	63.04	2.00	228.29	62.66	1.00	267.57	67.83	308.64	307.64	306.72
84004	3.00	146.02	54.13	2.00	168.42	52.72	1.08	196.75	57.93	236.73	235.39	234.65
84005	3.00	286.51	83.45	2.00	326.71	75.93	1.00	363.35	95.99	426.36	423.17	418.76
84006												
84006	3.00	10.69	2.10	2.00	11.56	2.11	1.00	13.20	2.02	14.36	14.24	14.37
84011	3.00	46.16	10.33	2.00	51.79	8.42	1.00	56.16	10.10	63.47	62.49	61.99
84012	3.00	74.75	23.66	2.00	77.67	30.86	1.00	108.76	16.06	114.40	116.87	118.03
84013	3.00	278.40	98.64	2.00	303.76	112.15	1.00	374.37	103.05	443.70	448.23	433.85
84014	3.00	118.08	49.15	2.00	122.47	71.73	1.00	181.07	64.58	200.45	213.59	218.35
84015	2.91	46.44	7.23	1.95	49.95	6.37	1.00	56.22	3.21	58.34	57.88	58.07
84016												
84803	3.00	21.22	9.32	2.00	24.22	10.17	1.00	29.77	11.22	36.84	37.14	36.25
84806	3.00	226.60	58.51	1.89	250.61	60.72	1.00	278.66	69.99	324.65	324.31	319.06
85001												
85002	3.00	86.39	16.03	2.00	98.06	10.02	1.00	104.86	8.77	113.25	110.79	109.92
85801												
85803												
87801	2.94	6.91	1.37	2.00	7.46	1.37	1.06	8.87	0.82	9.18	9.20	9.39
90801	3.00	15.59	4.56	2.33	37.06	4.23	1.67	38.51	4.22	43.23	43.08	43.11
91802	3.06	4.72	1.28	1.97	5.35	1.25	1.03	6.12	1.29	6.89	6.92	6.90
94801												
95801	3.25	1.38	2.40	1.75	2.22	3.17	0.75	3.37	4.18	5.59	5.62	4.58
95802												
95803	3.25	58.64	27.00	2.50	67.86	24.02	1.25	90.05	21.41	106.05	103.73	107.19
2.1004	3.18	0.07	0.03	2.18	0.08	0.03	1.00	0.10	0.03	0.12	0.12	0.12
2.1006	3.04	11.02	3.24	2.12	12.44	2.98	1.00	14.56	3.16	16.49	16.40	16.38
3.0301	3.00	86.25	25.84	2.00	90.72	32.55	1.00	108.90	35.82	129.59	132.07	129.58
3.04004	3.08	19.10	5.48	2.08	20.93	5.89	1.00	23.79	8.08	28.43	28.64	28.45
3.04005	3.13	35.82	4.68	2.07	38.10	4.39	1.00	42.90	1.79	43.86	43.83	43.93
3.04006	3.00	70.28	10.27	2.00	74.11	10.53	1.00	79.97	12.93	87.49	87.49	87.43
3.04018	3.00	124.15	21.83	2.00	132.80	21.78	1.00	154.57	13.14	160.73	160.47	162.15
3.04019	3.00	89.95	18.44	2.00	97.67	17.94	1.00	106.88	22.04	120.83	120.46	119.60
3.05001	3.00	55.93	5.07	2.07	58.00	4.83	1.07	60.50	5.88	64.43	64.30	64.29

INSTANTANEOUS FLOODS PEAKS OVER THRESHOLD STATISTICS

STATION	RATE3	THRESH3	BETA3	RATE2	THRESH2	BETA2	RATE1	THRESH1	BETA1	PT3MAP	P2MAP	PT1MAP
305002	3.13	292.34	45.89	2.00	318.98	38.47	1.00	345.27	34.09	371.19	367.85	364.95
305003	3.00	256.99	61.56	2.00	284.39	59.27	1.00	320.61	61.10	360.15	359.68	355.88
305004	3.07	30.27	3.33	2.00	32.05	3.03	1.00	34.13	3.48	35.93	35.90	36.16
305005	3.00	51.60	14.41	2.00	56.09	15.70	1.00	65.00	18.22	75.75	76.05	75.52
307001	3.08	95.77	33.94	2.00	110.10	33.61	1.00	130.35	40.63	153.54	152.80	153.80
308002	3.00	18.48	12.43	2.00	24.37	11.53	1.00	35.13	8.03	59.31	59.02	59.77
308003	3.07	18.27	5.39	2.00	20.55	5.40	1.00	23.60	6.04	27.43	27.41	27.09
309001	3.00	9.71	2.63	2.00	10.83	2.55	1.00	12.32	2.45	14.12	14.07	13.93
309002	3.06	11.75	5.31	2.00	13.21	6.35	1.00	19.14	4.38	20.75	21.28	21.67
309003	3.47	7.90	2.70	2.00	9.38	2.62	1.00	11.20	2.38	12.82	12.71	12.57
309004	3.00	11.32	4.79	2.00	13.84	4.00	1.00	17.22	2.64	19.35	18.92	18.74
309005	3.00	53.28	24.16	2.00	63.42	24.10	1.06	78.72	23.22	93.77	94.04	93.48
309006	3.00	14.37	2.43	2.00	15.90	1.68	1.00	17.21	1.60	18.44	18.03	18.13
309007	3.00	19.86	9.24	2.00	23.09	9.82	1.00	30.73	8.67	35.38	35.56	35.73
309008	3.18	8.61	2.11	2.00	9.31	2.49	1.00	11.07	2.39	12.27	12.47	12.45
309009	3.06	76.76	66.40	2.00	107.43	64.83	1.00	142.86	73.36	189.35	189.79	185.20
309010	3.06	16.74	12.70	2.00	43.06	11.77	1.00	50.95	11.70	58.27	58.01	57.70
309011	3.08	9.79	4.07	2.00	11.72	5.22	1.00	16.65	2.44	18.25	18.35	18.06
309809	3.00	103.42	49.29	2.00	127.15	45.66	1.07	150.60	51.75	186.02	185.15	183.97
311001	3.05	16.80	2.93	2.00	18.04	3.03	1.11	20.16	2.58	21.74	21.89	21.92
311003	3.05	19.14	3.20	2.00	20.81	2.83	1.00	23.09	2.40	24.56	24.41	24.48
311006	3.00	70.10	15.32	2.12	77.35	13.22	1.06	86.45	13.31	95.77	94.91	94.91
313001	3.12	18.81	2.30	2.00	19.64	2.56	1.00	21.42	2.29	22.73	22.89	22.74
313002	3.00	7.87	1.57	2.00	8.35	1.73	1.00	9.29	2.02	10.50	10.55	10.44
313003	3.00	4.95	1.15	2.08	5.22	1.34	1.08	5.96	1.48	6.88	6.97	6.93
315001	3.00	26.36	4.84	2.17	29.37	3.15	1.00	32.41	2.39	34.47	33.63	33.79
319002	3.00	7.06	4.31	2.00	9.46	3.59	1.00	12.61	2.34	14.28	14.02	13.94
319005	3.00	20.62	3.44	2.00	22.57	2.70	1.00	25.09	1.95	26.38	26.00	26.22
319006	3.00	32.80	13.79	2.00	39.73	11.57	1.00	46.60	12.47	55.91	54.43	53.80
319009	3.00	47.65	24.86	2.00	61.25	20.27	1.00	79.81	13.78	89.31	87.00	87.76
319010	3.00	46.25	10.08	2.00	53.09	6.82	1.00	58.16	6.44	63.14	61.75	61.88
322001	3.00	11.61	4.59	2.00	13.67	4.35	1.00	16.89	4.04	19.30	19.20	19.22
322002	3.00	7.54	3.70	2.00	9.98	2.55	1.00	11.46	2.73	13.74	13.22	13.04
323002	3.04	222.95	79.66	2.00	262.70	72.68	1.08	317.57	57.12	357.50	353.03	354.94
324002	3.00	21.61	10.00	2.09	27.13	8.29	1.00	32.90	8.15	38.37	38.03	37.60
324003	3.00	19.57	4.72	2.00	21.92	4.17	1.00	24.92	3.84	27.48	27.22	27.14
327001	3.00	18.01	4.43	2.00	20.55	3.71	1.00	22.88	4.24	25.43	25.26	25.33
327003	3.00	28.90	7.70	2.00	32.45	7.10	1.00	38.00	5.79	41.80	41.47	41.34
327033	3.00	17.43	4.53	2.00	20.91	2.54	1.09	22.54	2.40	25.02	24.16	24.13
327036	3.00	8.47	4.58	2.00	10.08	4.82	1.00	12.70	5.72	16.15	16.20	16.00
328001	3.00	22.29	11.45	2.00	27.59	10.33	1.00	33.34	12.16	41.48	40.71	40.36
331001	3.00	29.52	12.16	2.00	34.92	11.36	1.00	43.04	11.04	49.90	49.35	49.41
331003	3.00	18.56	9.57	2.00	21.94	10.10	1.00	28.17	10.45	34.60	34.77	34.20
331005	3.17	5.75	6.03	2.00	8.72	5.72	1.00	12.40	5.33	16.19	15.99	15.48
331006	3.00	4.71	3.66	2.00	6.80	3.07	1.00	9.03	2.81	10.84	10.70	10.65
332001	3.00	18.45	5.92	2.00	20.46	6.41	1.00	25.84	4.87	28.37	28.60	28.65
332002	3.00	18.74	5.00	2.00	20.57	5.40	1.00	25.94	4.30	27.12	27.43	28.42
336001	3.00	10.60	3.03	2.00	12.47	2.14	1.00	14.08	1.93	15.68	15.19	15.19
337001	3.08	23.70	12.34	2.00	29.87	11.20	1.00	36.40	11.82	44.70	44.10	43.22
338002	3.00	25.56	4.38	2.00	27.52	4.17	1.00	30.50	3.92	32.90	32.82	32.74

INSTANTANEOUS FLOODS PEAKS OVER THRESHOLD STATISTICS

STATION	RATE3	THRESH3	BETA3	RATE2	THRESH2	BETA2	RATE1	THRESH1	BETA1	PT3MAP	PT2MAP	PT1MAP
328003	3.00	7.84	1.37	2.00	8.55	1.22	1.00	9.55	1.07	10.14	10.10	10.17
329001	3.00	72.69	13.35	2.00	78.81	15.05	1.00	84.67	21.05	98.41	97.93	96.82
329003	3.00	18.51	4.57	2.00	21.20	3.52	1.00	24.68	2.00	26.17	25.67	25.97
329005	3.00	15.72	4.06	2.06	17.36	4.02	1.00	19.47	4.75	22.52	22.59	22.21
340003	3.00	70.79	10.77	2.12	76.16	21.32	1.00	92.20	20.25	103.92	104.69	103.89
340903	3.00	79.70	25.70	2.00	69.35	14.59	1.00	110.10	13.02	122.77	117.88	117.62
343002	3.00	01.31	29.43	1.91	104.70	27.97	1.00	124.89	23.65	140.63	138.94	138.54
343005	3.00	27.48	3.94	2.23	28.15	4.49	1.15	31.44	4.03	34.08	34.34	34.33
343007	3.00	63.04	31.60	2.00	71.04	37.20	1.06	91.53	42.43	116.00	118.30	118.49
343010	3.00	81.05	26.29	2.00	90.12	28.29	1.00	109.35	30.78	125.11	126.06	127.12
343013	3.08	49.11	26.88	2.00	61.01	23.63	1.00	77.08	24.45	91.46	91.03	91.19
346001	3.00	119.47	18.79	2.00	127.73	17.63	1.00	144.77	11.95	150.96	150.13	151.67
346002	3.00	49.82	12.37	2.00	56.95	9.71	1.00	61.87	11.92	70.55	69.29	68.75
346003	3.00	58.14	7.60	2.00	62.34	6.28	1.00	66.98	6.30	71.03	70.32	70.62
346004	3.00	31.09	10.41	2.00	35.26	10.56	1.00	43.84	7.78	48.54	48.42	48.33
346005	3.06	22.02	3.37	2.06	24.22	2.28	1.06	26.07	1.95	27.73	27.18	27.31
346003	3.00	15.43	5.99	2.00	18.26	5.40	1.00	22.59	4.46	25.47	25.37	25.16
346004	3.00	38.43	11.72	2.00	41.71	13.39	1.00	54.30	8.20	58.07	58.72	59.03
347001	3.12	53.70	17.73	2.00	58.34	21.94	1.00	75.96	18.14	84.11	86.21	86.43
347002	3.00	133.85	50.61	2.00	155.21	49.99	1.00	183.63	59.34	218.66	218.72	217.88
347003	3.00	105.37	41.10	2.00	124.80	37.86	1.00	163.92	18.00	174.25	172.90	174.31
347004	3.00	26.35	6.29	2.00	28.28	6.76	0.94	30.36	10.06	36.89	36.87	35.34
347005	3.06	21.54	6.70	2.12	24.14	6.58	1.12	27.37	8.07	32.90	32.68	32.94
347006	3.00	216.00	49.00	2.00	244.28	39.52	1.00	258.05	54.79	298.12	294.68	289.68
347007	3.06	33.43	5.00	2.00	35.20	5.45	1.00	40.18	3.50	41.91	42.12	42.20
347008	3.06	9.05	2.14	2.06	10.08	2.00	1.06	11.66	1.87	12.68	12.68	12.85
347009	3.00	25.46	12.71	2.07	30.86	11.78	1.07	38.35	12.59	46.76	46.23	46.47
349001	3.00	12.74	3.09	2.00	14.00	3.11	1.00	16.54	2.40	17.92	17.95	17.93
352001	3.00	23.26	7.22	2.00	25.77	7.55	1.07	32.59	4.08	35.34	35.56	35.22
352003	3.00	21.82	4.40	2.00	23.23	4.84	1.00	25.47	5.96	29.19	29.38	28.91
352004	3.00	15.16	2.66	2.00	16.09	2.77	1.00	18.00	2.83	19.42	19.61	19.63
353001	3.00	5.02	2.98	2.00	6.60	2.46	1.00	8.46	2.15	10.01	9.73	9.70
355001	3.00	16.41	4.30	2.07	18.01	4.38	1.00	21.09	4.29	23.77	23.72	23.57
355002	3.00	13.97	2.10	2.08	14.31	2.56	1.00	16.09	2.83	17.49	17.66	17.72
355003	3.00	10.85	2.49	2.00	11.29	3.17	1.00	12.90	3.74	15.02	15.32	15.04
356001	3.00	5.39	2.95	2.08	6.30	3.07	1.00	8.97	2.67	10.33	10.32	10.51
359001	3.17	26.43	8.44	2.06	30.38	8.27	1.00	34.29	11.46	41.04	41.13	40.90
359002	3.06	41.37	10.82	2.00	46.53	9.55	1.06	51.05	11.53	59.72	58.66	58.38
359003	3.00	9.83	3.34	2.00	10.92	3.66	1.00	14.27	2.73	15.43	15.57	15.85
359005	3.06	65.09	20.07	2.00	72.13	21.39	1.00	93.40	11.37	99.12	99.30	99.96
359007	3.00	60.24	17.09	2.11	63.81	19.90	1.11	84.48	11.98	88.88	90.16	92.65
360002	3.06	49.07	18.58	2.00	54.76	21.28	1.00	64.96	26.96	80.57	81.79	80.52
360003	3.31	26.09	3.10	2.12	27.98	2.49	1.04	30.59	1.45	31.59	31.29	31.51
360007	3.00	50.73	21.33	2.00	57.09	25.18	1.00	73.64	26.40	87.31	89.08	88.88
360008	3.00	69.33	18.07	2.00	80.01	13.67	1.06	90.66	9.73	99.61	97.38	96.84
360009	3.00	124.87	27.26	2.00	134.99	27.70	1.00	154.67	24.98	170.55	170.18	169.09
360011	3.00	191.75	44.71	2.00	207.52	48.39	1.00	236.49	55.71	266.68	268.99	268.65
390806	3.00	203.80	51.94	2.00	223.18	54.53	1.00	267.87	48.56	290.84	292.45	293.90
390807	2.78	49.37	24.01	1.96	56.40	25.32	0.87	70.61	28.39	87.78	88.05	83.04
391801	3.11	4.76	0.89	2.37	5.01	0.82	1.29	5.51	0.98	6.28	6.26	6.33

STATION	INSTANTANEOUS FLOODS			PEAKS OVPR THRESHOLD STATISTICS			PEAKS OVPR THRESHOLD STATISTICS					
	RATE3	THRESH3	BETA3	RATE2	THRESH2	BETA2	RATE1	THRESH1	BETA1	PT3MAP	PT2MAP	PT1MAP
392805	3.11	16.41	3.11	2.00	18.57	2.31	1.00	20.36	2.09	21.73	21.50	21.57
393803	3.09	21.32	11.68	2.00	24.94	12.02	1.00	32.32	14.86	40.89	41.35	40.90
394808	3.20	28.35	10.31	2.00	31.50	12.61	1.00	39.57	13.37	46.29	47.52	47.29
395802	3.10	34.41	6.64	2.10	36.54	7.50	1.10	41.82	7.20	45.76	46.43	46.66
396804	3.09	17.12	6.45	2.11	19.05	6.92	1.00	24.04	6.81	27.93	28.21	27.97

6 Basic flood records

In this chapter are assembled the basic flood data gathered during the study and analysed in the statistical programme described in the relevant chapters. These comprise both POT and annual maximum series.

Although the compilation is in metric units, i.e. the levels are in metres and the discharges are in cumecs (cubic metres per second), many of the levels quoted in the comments interpolated between floods remain in their original units. Stations 25/6, 27/2 and 33/5 carry examples of this, but 28/801 is exceptional in that the recorded levels are retained in their original inches and decimals. This is a special case devised to obtain an accurate record from a very small catchment.

In the case of a group of other very small catchments namely: 25/808 Burnt Weir at Moor House, 25/809 Bog Weir at Moor House, 25/810 Syke Weir at Moor House and 201/4 Control Area at Woodburn, the discharges, as indicated in each station title, have been multiplied by 100 to avoid truncation in the computer processing.

Two minor anomalies occur in the tables which require explanation. In some cases annual maximum floods were received from authorities which were accredited to the year of occurrence only and in order to satisfy the requirements of the data checking program a nominal date of either 1 January or 1 October was added. Examples may be seen in stations 15/4 Inzion at Loch of Linrathen, in part, 27/21 Don at Doncaster, in part, and 36/1 Stour at Stratford St Mary.

In a few other cases mean daily discharges only are available, and where these are of value and where the catchment area is large enough to avoid a gross error, they have been included and appropriately headed. Such stations include 39/1 Thames at Teddington, 39/2 Thames at Day's Weir, 39/8 Thames at Eynsham, 42/2 Itchen at Allbrook, part only, and 54/809 Severn at Upton on Severn.

Where a comment is interpolated in the flood data it is intended to accompany the preceding line. The figure, or figures, in the column headed NOTE relate to the following table of corrections which is repeated from Section 2.1.5.

Code	Fault or correction
1	Significant difference between chart level and true gauge height as indicated at beginning and end of chart
2	Correction on chart by gauging authority for unspecified reason
3	Siltation of float well intake resulting in damped hydrograph
4	Chart limit exceeded by water level resulting in truncated peak
5	Faulty trace corrected from quoted level of flood debris
6	Level fluctuations caused by artificial controls ignored
7	False chart reading due to freezing conditions resulting in ice pile-up or float seizure
8	Missing or illegible record replaced by estimate from gauge board or other recorder
9	Faulty recorder operation. The two most common faults are a stopped clock which may give the correct level but not the time, and a jammed pen arm which does not give the true level but indicates the time

3801

CASSLEY AT DUCHALLY

GRID REF NC387168 AREA 72.26 SQ.KM
 PERIOD OF RECORD 8 9 1950 TO 30 9 1959
 SIGNIFICANT GAPS
 27 11 1956 TO 28 5 1957

NSHEB THRESHOLD 42.00 GRADE C
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
8 9 1950	1.57	47.55		29 11 1953	1.80	72.65	
10 9 1950	1.73	65.03		29 8 1954	1.57	47.55	9
18 9 1950	1.82	75.84		17 10 1954	1.58	48.78	
3 10 1950	1.79	71.08		14 12 1954	1.56	46.35	
16 10 1950	1.54	45.16		18 12 1954	1.98	96.80	
17 1 1951	1.68	59.29		21 12 1954	1.93	89.47	
22 1 1951	1.66	56.55		25 12 1954	1.71	62.12	
22 3 1951	1.68	59.29		27 12 1954	1.67	57.91	
26 11 1951	1.67	57.91		28 11 1955	1.67	57.91	
29 11 1951	1.84	77.47		5 12 1955	1.57	47.55	
30 11 1951	1.65	55.20		17 1 1956	1.80	72.65	
4 12 1951	1.54	45.16		20 1 1956	1.71	62.12	
30 12 1951	1.63	53.88		5 2 1956	1.54	45.16	
6 1 1952	1.53	43.99		28 2 1956	1.67	57.91	
14 1 1952	1.63	53.88		1 3 1956	1.75	66.51	
5 2 1952	1.68	59.29		29 7 1956	1.54	45.16	
17 2 1952	1.54	45.16		24 11 1956	1.71	62.12	
29 8 1952	1.82	75.84		26 11 1956	1.79	71.08	
24 9 1952	1.71	62.12		24 8 1957	1.99	98.69	
8 10 1952	1.93	89.47		23 10 1957	1.76	68.01	
3 11 1952	1.81	74.24		27 10 1957	1.61	51.29	
5 11 1952	1.60	50.03		19 12 1957	1.56	46.35	
26 1 1953	1.80	72.65		21 12 1957	1.76	68.01	
28 1 1953	1.62	52.58		4 2 1958	1.67	57.91	
30 9 1953	1.57	47.55		6 11 1953	1.58	48.78	
6 11 1953	1.58	48.78		16 2 1959	1.52	42.83	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1956-1957

3803

TIRRY AT RHIAN BRIDGE

GRID REF NC553167 AREA 64.2 SQ.KM
 PERIOD OF RECORD 29 6 1950 TO 3 12 1958
 SIGNIFICANT GAPS
 1 11 1957 TO 7 11 1957 8 5 1958 TO 16 5 1958

NSHEB THRESHOLD 32.54 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
6 9 1950	1.53	33.28		25 12 1954	2.31	91.90	
11 9 1950	1.56	34.65		PEN MISSED, PEAK ESTIMATED			
3 10 1950	1.91	57.53		24 1 1955	2.48	110.85	
9 12 1950	1.53	33.28		14 3 1955	1.95	60.42	
18 1 1951	1.63	38.95		15 3 1955	1.54	33.96	
22 1 1951	1.58	36.04		14 12 1955	1.72	44.37	
8 8 1951	1.58	36.04		17 1 1956	2.09	71.81	
5 11 1951	1.90	56.58		1 3 1956	1.58	36.04	
29 11 1951	1.87	54.72		30 7 1956	2.20	82.06	
30 12 1951	1.60	36.76		13 8 1956	1.85	52.90	
5 1 1952	1.53	33.28		25 8 1956	1.53	33.28	
15 1 1952	1.98	62.40		26 11 1956	1.68	41.99	
25 9 1952	1.87	54.72		15 3 1957	1.81	50.24	
8 10 1952	1.79	48.52		14 8 1957	2.19	80.88	
17 12 1952	1.54	33.96		23 10 1957	1.52	32.61	
26 1 1953	1.72	44.37		11 12 1957	1.80	49.38	
15 11 1953	1.54	33.96		21 12 1957	1.70	42.77	
10 12 1954	1.73	45.18		27 1 1958	1.70	42.77	
21 12 1954	1.94	59.45		24 5 1958	1.67	41.22	
8 12 1954	1.94	59.45		26 5 1958	1.52	32.61	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1957-1958

3901

SHIN AT LAIRG

GRID REF NC581062 AREA 495.0 SQ.KM
 PERIOD OF RECORD 23 6 1950 TO 31 12 1956

NSHEB THRESHOLD 22.00 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 9 1950	1.29	34.06					
19 9 1950	1.44	43.76					
3 10 1950	1.37	38.73					
2 11 1950	1.16	27.06					
10 12 1950	1.48	46.41					
22 1 1951	1.71	64.37					
30 3 1951	1.19	28.39					
18 4 1951	1.37	38.73					
6 11 1951	1.09	23.32					
30 11 1951	1.67	61.13					
30 12 1951	1.33	36.35					
15 1 1952	1.60	54.95					
7 2 1952	1.47	45.52					
21 2 1952	1.57	52.98					
26 9 1952	1.44	43.76					
9 10 1952	1.32	35.57					
6 11 1952	1.62	56.97					
23 12 1952	1.27	32.58					
31 12 1952	1.29	34.06					
30 1 1953	1.77	69.99					
				1 10 1953	1.06	22.15	
				16 11 1953	1.29	34.06	
				2 12 1953	1.34	37.13	
				28 12 1953	1.24	31.14	
				16 1 1954	1.28	33.32	
				19 10 1954	1.57	52.98	
				5 12 1954	1.25	31.86	
				21 12 1954	1.85	77.11	
				27 12 1954	2.00	92.62	
				26 1 1955	1.52	49.16	
				16 3 1955	1.43	42.89	
				21 10 1955	1.13	25.15	
				1 1 1956	1.52	49.16	
				20 1 1956	1.54	51.05	
				9 2 1956	1.28	33.32	
				6 3 1956	1.20	29.06	
				15 8 1956	1.11	24.53	
				26 11 1956	1.18	27.72	
				18 12 1956	1.30	34.81	

4001

CONON AT MOY BRIDGE

GRID REF NH483547 AREA 971. SQ.KM
 PERIOD OF RECORD 9 7 1945 TO 31 12 1956

NSHEB THRESHOLD 191.00 GRADE B
 CUMECs

SIGNIFICANT GAPS
 3 2 1946 TO 24 2 1946 7 4 1947 TO 22 5 1947

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
23 9 1945	3.47	367.59					
29 10 1945	2.98	280.13					
21 2 1946	2.74	239.42					
18 3 1946	2.45	193.87					
22 9 1946	2.57	212.67					
15 1 1947	3.04	290.64					
3 4 1947	2.77	244.39	9				
21 11 1947	4.17	506.17					
2 1 1948	3.53	379.05					
1 2 1948	2.77	245.39					
9 2 1948	2.43	191.56					
21 3 1948	2.52	205.55					
8 4 1948	2.46	196.19					
4 11 1948	2.43	191.56					
9 11 1948	3.10	301.26					
8 1 1949	2.83	254.44					
13 1 1949	3.10	301.26					
17 1 1949	2.66	227.13					
19 1 1949	3.63	402.33					
23 1 1949	2.86	259.51					
26 2 1949	3.13	306.62					
28 2 1949	3.59	390.63					
17 3 1949	2.51	203.20					
3 12 1949	2.97	277.53					
7 12 1949	3.32	339.43					
12 12 1949	3.23	322.89					
19 12 1949	3.29	333.89					
25 12 1949	3.59	390.63					
7 1 1950	3.07	295.93					
16 1 1950	2.71	234.48					
17 2 1950	4.02	474.82					
9 4 1950	2.52	205.55					
7 9 1950	2.80	249.40					
18 9 1950	3.26	328.37					
				4 10 1950	2.92	269.76	
				8 12 1950	2.43	191.36	
				10 12 1950	2.59	215.05	
				17 1 1951	3.41	356.23	
				20 1 1951	2.95	274.93	
				22 1 1951	2.65	224.70	
				22 3 1951	2.83	254.44	
				27 11 1951	2.80	249.40	
				29 11 1951	2.74	239.42	
				4 12 1951	2.86	259.51	
				7 12 1951	2.65	224.70	
				30 12 1951	2.83	254.44	
				6 1 1952	2.68	229.57	
				15 1 1952	3.13	306.62	
				6 2 1952	2.95	274.93	
				18 2 1952	2.49	200.85	
				25 9 1952	2.80	249.40	
				27 10 1952	2.62	219.86	
				28 1 1953	3.23	322.89	
				7 11 1953	2.71	234.48	
				2 12 1953	2.56	210.29	
				15 1 1954	2.68	229.57	
				19 1 1954	2.68	229.57	
				3 5 1954	2.72	236.94	
				18 10 1954	2.71	234.48	
				4 12 1954	2.80	249.40	
				14 12 1954	2.86	259.51	
				18 12 1954	3.01	285.37	
				21 12 1954	3.04	290.64	
				26 12 1954	3.16	312.02	
				24 1 1955	3.07	295.93	
				14 12 1955	2.56	210.29	
				28 12 1955	2.86	259.51	

4001

CONON AT MOY BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 1 1956	2.95	274.93		13 8 1956	2.86	259.51	
17 1 1956	2.80	249.40		24 10 1956	2.52	205.55	
20 1 1956	2.86	259.51		26 11 1956	3.35	345.00	
5 2 1956	2.62	219.86		2 12 1956	2.86	259.51	
2 3 1956	2.98	280.13		5 12 1956	2.68	229.57	
10 4 1956	2.52	205.55					
30 7 1956	2.77	244.39					

5901

BEAULY AT ERCHLESS

GRID REF NH426406 AREA 850.0 SQ.KM NSHEB GRADE B
 PERIOD OF RECORD 9 12 1949 TO 5 1 1964 THRESHOLD 180.00 CUMECs

SIGNIFICANT GAPS
 31 12 1950 TO 4 1 1951 20 1 1952 TO 27 1 1952 10 2 1952 TO 19 2 1952
 18 8 1963 TO 25 8 1963

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
12 12 1949	2.63	225.20		17 1 1956	2.80	250.47	
20 12 1949	3.16	310.85		20 1 1956	2.60	220.20	
25 12 1949	3.96	513.18	9	5 2 1956	2.43	195.96	
7 1 1950	2.77	245.70		1 3 1956	3.23	321.48	
17 2 1950	4.11	567.65		23 10 1956	2.34	183.27	
2 4 1950	2.36	185.36		26 11 1956	3.26	326.85	
8 9 1950	2.92	269.95		2 12 1956	2.74	240.97	
18 9 1950	3.26	326.85		15 12 1956	3.00	282.46	
24 9 1950	2.48	202.45		20 1 1957	2.92	269.95	
3 10 1950	2.49	204.63		26 1 1957	2.36	185.36	
10 10 1950	2.52	209.03		28 1 1957	3.07	295.21	
10 12 1950	2.56	213.47		5 2 1957	2.67	230.72	
18 1 1951	3.23	321.48		14 8 1957	2.63	224.75	
22 1 1951	2.69	233.96		24 8 1957	2.37	186.62	
22 3 1951	2.49	204.63		23 10 1957	2.46	200.28	
26 11 1951	2.49	204.63		28 10 1957	2.56	213.47	
29 11 1951	2.37	187.46		19 11 1957	3.20	316.14	
4 12 1951	2.86	260.13		11 10 1958	2.59	217.95	
15 1 1952	2.71	236.29	9	27 10 1959	2.98	279.93	
25 9 1952	3.01	284.99		14 11 1959	2.37	187.46	
28 10 1952	3.10	299.35		18 12 1959	2.33	181.19	
6 11 1952	2.61	221.56		31 12 1959	2.45	198.11	
27 1 1953	3.16	310.85		22 1 1960	2.69	233.96	
7 11 1953	2.63	224.75		14 4 1960	2.72	238.62	
11 11 1953	2.46	200.28		9 2 1961	2.72	238.62	
15 1 1954	2.56	213.47		9 8 1961	2.36	185.36	
19 1 1954	2.49	203.76		12 12 1961	2.95	274.92	
18 10 1954	3.34	342.10		5 1 1962	2.37	187.46	
4 12 1954	3.23	321.48		31 1 1962	3.52	376.87	
14 12 1954	2.81	252.87		6 2 1962	2.71	236.29	
18 12 1954	3.07	295.21		12 2 1962	4.20	599.68	
26 12 1954	3.35	343.20		16 5 1962	2.98	279.93	
24 1 1955	2.63	224.75		14 12 1962	3.38	348.73	
28 12 1955	3.09	297.79					
1 1 1956	2.73	240.03					

6901

NESS AT NESS CASTLE FARM

GRID REF NH639410 AREA 1790. SQ.KM NSHEB GRADE B
 PERIOD OF RECORD 1 9 1929 TO 30 9 1962 ANNUAL MAXIMA

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
7 1 1930		382.05		19 10 1935		370.73	
DATA FROM NSHEB				20 12 1936		594.30	
15 11 1930		311.30		4 2 1938		498.08	
16 1 1932		540.53		8 12 1938		432.99	
4 11 1932		489.59		2 12 1939		260.36	
7 1 1934		342.43		17 12 1940		444.31	
19 2 1935		452.80					

6901

NESS AT NESS CASTLE FARM

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
12 12 1941		299.98		15 10 1952		350.92	
15 2 1943		396.20		8 11 1953		348.09	
6 10 1943		376.39		5 12 1954		370.73	
1 4 1945		333.94		29 12 1955		348.09	
8 2 1946		229.23		16 12 1956		393.37	
16 1 1947		311.30		22 12 1957		350.92	
3 2 1948		373.56		10 10 1958		258.95	
20 1 1949		393.37		23 1 1960		277.06	
18 2 1950		532.04		9 8 1961		261.49	
18 1 1951		305.64		12 2 1962		379.22	
26 9 1952		339.60					

6903

MORISTON AT INVERMORISTON

GRID REF NH416169 AREA 391.0 SQ.KM
 PERIOD OF RECORD 19 3 1930 TO 30 10 1944
 SIGNIFICANT GAPS
 31 1 1932 TO 7 2 1932

RFR THRESHOLD 164.00 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
18 5 1930	2.28	184.02		16 10 1936	2.33	193.66	
19 8 1930	2.71	277.27		16 12 1936	2.28	184.02	
28 8 1930	2.49	228.11		20 12 1936	3.65	557.54	
23 9 1930	2.71	277.27		30 12 1936	2.18	164.42	
				3 1 1937	2.41	209.23	
7 11 1930	2.31	188.81		12 1 1937	2.23	174.07	
9 11 1930	2.31	188.81					
14 11 1930	2.28	184.02		20 1 1938	2.51	231.45	
12 12 1930	2.20	169.49		24 1 1938	2.41	209.87	
27 12 1930	2.24	176.39		28 1 1938	2.38	204.18	
16 1 1931	2.18	164.42		31 1 1938	2.99	350.54	
23 1 1931	2.20	169.49		3 2 1938	3.04	364.93	
25 2 1931	2.38	204.18		5 2 1938	2.23	174.07	
11 5 1931	2.31	188.81		28 2 1938	2.33	193.66	
16 5 1931	2.36	199.19		15 3 1938	2.55	239.58	
				18 3 1938	2.20	169.49	
3 11 1931	2.28	184.02		24 3 1938	2.31	188.81	
3 12 1931	2.38	204.18					
3 1 1932	2.29	186.41		7 11 1938	2.43	215.00	
14 1 1932	2.69	272.12		18 11 1938	2.20	169.49	
16 1 1932	3.04	364.93		29 11 1938	2.31	188.81	
				8 12 1938	2.53	236.85	
17 10 1932	2.25	178.72		8 1 1939	2.26	179.30	
3 11 1932	3.12	386.64		2 3 1939	2.66	266.30	
26 11 1932	2.36	199.19					
29 11 1932	2.48	225.45		14 11 1939	2.41	209.23	
2 12 1932	2.36	199.19					
17 12 1932	2.79	296.83		9 10 1940	2.28	184.02	
2 1 1933	2.48	225.45		26 11 1940	2.76	290.74	
7 1 1933	2.59	248.55		16 12 1940	3.27	432.09	
31 1 1933	2.71	278.01					
4 2 1933	2.33	193.66		27 11 1941	2.27	181.07	
27 8 1933	2.31	188.81		25 1 1942	2.24	176.39	
				17 8 1942	2.41	209.23	
3 1 1934	2.49	228.11		21 9 1942	2.28	184.02	
6 1 1934	2.74	284.71					
9 1 1934	2.28	184.02		4 10 1942	2.53	236.85	
17 1 1934	2.38	204.18		9 10 1942	2.41	209.23	
				15 10 1942	2.19	166.66	
26 10 1934	2.36	199.19		7 12 1942	2.57	245.08	
10 1 1935	2.51	231.45		12 2 1943	2.57	245.08	
1 2 1935	2.86	316.32		6 4 1943	2.25	177.55	
11 2 1935	2.20	169.49					
18 2 1935	3.20	409.03		3 10 1943	2.38	204.18	
19 9 1935	2.23	174.07		5 10 1943	2.87	317.11	
				10 11 1943	2.26	179.30	
17 10 1935	2.43	215.00		2 1 1944	2.31	188.81	
19 10 1935	2.84	310.01		21 1 1944	2.53	236.85	

6906

ALLT BHLARAI DH AT INVERMORISTON

GRID REF NM377168 AREA 27.5 SQ.KM NSHEB GRADE B
 PERIOD OF RECORD 1 10 1953 TO 30 9 1962 ANNUAL MAXIMA

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
3 5 1954		21.52		27 10 1957		23.21	
18 10 1954		14.16		8 2 1961		11.75	
20 1 1956		16.70		12 12 1961		21.52	
15 8 1957		15.00					

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1958-1959 1959-1960

7001

FINDHORN AT SHENACHIE

GRID REF NH020339 AREA 417.0 SQ.KM DAFS GRADE B
 PERIOD OF RECORD 1 8 1960 TO 30 9 1970 THRESHOLD 107.00 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 8 1960	2.10	167.73		1 11 1965	1.88	138.09	
25 8 1960	3.30	376.18		29 1 1966	1.64	109.01	
7 8 1961	2.24	188.95		27 2 1966	1.76	123.53	
28 9 1961	2.21	183.98		22 5 1966	2.38	209.89	
18 10 1961	1.95	146.87		24 6 1966	2.75	270.65	
20 10 1961	1.93	144.85		27 6 1966	2.22	185.33	
5 1 1962	1.71	117.25		5 10 1966	1.68	113.63	
31 1 1962	2.07	163.45		17 12 1966	3.13	342.61	
12 2 1962	2.74	269.04		29 1 1967	1.64	109.01	
15 2 1962	1.91	141.65		3 3 1967	2.17	178.19	
14 12 1962	2.27	193.05		5 3 1967	2.03	158.39	
15 12 1962	1.82	130.33		7 3 1967	1.82	130.72	
27 6 1963	1.87	137.31		3 10 1967	1.92	143.65	
20 8 1963	1.77	124.28		7 10 1967	1.75	122.04	
4 9 1963	1.68	113.28		15 1 1968	1.79	127.29	
26 8 1964	1.61	105.51		26 3 1968	2.02	157.14	
14 11 1964	1.64	109.01		15 5 1968	1.63	107.25	
18 11 1964	1.67	112.56		11 10 1968	1.63	107.25	
8 12 1964	1.65	109.71		30 10 1968	2.08	164.73	
12 12 1964	1.64	109.01		21 9 1969	1.65	109.48	
12 2 1965	1.63	107.60		2 11 1969	2.10	167.29	
8 5 1965	1.84	133.03		16 3 1970	2.42	215.14	
11 7 1965	1.73	119.82		15 4 1970	1.68	112.98	
29 7 1965	1.81	128.81		6 6 1970	2.12	170.12	
3 9 1965	1.73	119.82		25 7 1970	1.88	137.62	
9 9 1965	1.73	119.08		16 8 1970	3.71	462.74	
26 9 1965	1.64	109.01		20 8 1970	2.57	239.47	

7002

FINDHORN AT FORRES

GRID REF NJ018583 AREA 782.0 SQ.KM DAFS GRADE B
 PERIOD OF RECORD 19 6 1958 TO 30 9 1970 THRESHOLD 145.00 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
14 2 1959	1.31	46.10		16 8 1962	2.06	228.08	
25 8 1960	3.17	394.90		9 9 1962	1.71	145.84	
8 8 1961	2.49	233.44		14 12 1962	2.56	386.25	
28 9 1961	2.37	211.27		15 12 1962	1.96	201.53	
18 10 1961	1.95	197.80		27 6 1963	2.31	299.10	
20 10 1961	2.05	223.24		5 8 1963	1.83	170.90	
11 12 1961	2.00	212.21		20 8 1963	2.09	234.64	
13 12 1961	1.75	153.28		4 9 1963	1.91	189.76	
8 1 1962	1.72	148.29		21 10 1963	1.74	152.65	
15 1 1962	1.75	153.28		12 11 1963	1.78	159.66	
31 1 1962	2.09	234.64		21 11 1963	1.74	151.40	
11 2 1962	2.92	534.33		18 8 1964	1.93	193.39	
15 2 1962	2.05	223.24		10 9 1964	1.71	145.84	
				8 5 1965	1.80	164.89	

7002

FINDHORN AT FORRES

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 7 1965	1.77	157.73		7 3 1967	1.73	150.10	
29 7 1965	2.11	241.31		15 8 1967	1.75	153.23	
4 9 1965	2.29	292.39					
9 9 1965	1.88	183.33		4 10 1967	2.07	228.80	
18 9 1965	2.01	212.99		15 1 1968	1.96	201.43	
				27 3 1968	1.95	197.72	
1 11 1965	1.98	206.83		5 5 1968	2.31	297.99	
15 12 1965	1.94	195.59		15 5 1968	1.82	169.49	
6 1 1966	1.74	152.02		16 7 1968	1.87	179.05	
27 2 1966	1.84	153.09					
23 5 1966	2.43	264.35		30 10 1968	2.42	334.99	
24 6 1966	3.10	428.46					
27 6 1966	2.65	312.15		2 11 1969	2.12	241.66	
30 7 1966	2.01	181.53		17 3 1970	2.64	414.10	
4 8 1966	1.89	162.44		15 4 1970	1.84	171.96	
				6 6 1970	2.06	225.44	
1 10 1966	1.95	172.10		25 7 1970	2.17	255.73	
17 12 1966	3.10	620.58		16 8 1970	4.71	2402.00	
3 3 1967	2.24	277.29		20 8 1970	3.00	639.62	
6 3 1967	1.93	194.77					

7003

LOSSIE AT SHERIFF MILLS

GRID REF	NJ198626	AREA	216.0 SQ.KM	DAFS	GRADE A1		
PERIOD OF RECORD	19 7 1958 TO	30 9 1970		THRESHOLD	18.50 CUMECs		
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
23 7 1958	0.98	25.12		4 9 1965	1.39	41.80	
29 7 1958	1.81	60.87		9 9 1965	1.35	40.10	
				18 9 1965	1.55	48.83	
20 1 1959	1.03	27.17					
				10 12 1965	1.46	45.00	
14 11 1959	1.15	31.67		15 12 1965	1.18	32.89	
19 11 1959	0.83	19.79		24 6 1966	2.07	74.00	
12 1 1960	1.14	31.55		28 6 1966	1.66	53.89	
22 1 1960	1.15	31.67		30 7 1966	0.86	20.95	
27 2 1960	1.23	35.12		5 8 1966	2.04	72.43	
25 8 1960	2.06	73.69					
				1 10 1966	1.24	35.62	
14 10 1960	1.08	29.04		6 11 1966	1.01	26.48	
12 1 1961	0.88	21.59		2 12 1966	1.46	44.73	
				5 12 1966	0.92	23.23	
11 12 1961	1.23	34.99		23 1 1967	0.88	21.70	
16 1 1962	0.87	21.27					
12 2 1962	1.03	27.06		4 10 1967	1.08	28.92	
15 2 1962	0.91	22.57		3 11 1967	0.83	19.79	
20 3 1962	1.06	28.10		11 12 1967	1.12	30.47	
15 8 1962	1.36	40.49		15 1 1968	1.31	38.41	
				5 5 1968	2.30	86.41	
23 11 1962	1.31	38.54		15 5 1968	0.96	24.67	
14 12 1962	1.45	44.33		16 7 1968	1.58	50.36	
6 3 1963	0.98	25.12		20 7 1968	0.83	20.00	
27 6 1963	1.46	44.87					
29 6 1963	0.92	23.23		31 10 1968	1.19	33.50	
5 8 1963	1.42	43.12		8 1 1969	0.94	23.60	
19 8 1963	1.48	45.81		10 2 1969	0.81	19.03	
4 9 1963	0.90	22.46		29 4 1969	0.83	19.72	
8 11 1963	0.82	19.47		2 11 1969	0.82	19.37	
13 11 1963	1.07	28.69		1 3 1970	0.97	24.70	
22 11 1963	1.03	26.94		16 3 1970	1.19	33.19	
18 8 1964	1.52	47.31		25 7 1970	1.00	25.81	
				17 8 1970	2.37	89.83	
29 7 1965	0.97	24.89		21 8 1970	2.02	71.30	

8001

SPEY AT ABERLOUR

 GRID REF NJ278439 AREA 2640. SQ. KM
 PERIOD OF RECORD 1 9 1938 TO 30 9 1970

 RFR THRESHOLD 250.00 GRADE A1
 CUMECs

SIGNIFICANT GAPS

6 12 1943 TO	23 12 1945	27 12 1945 TO	4 6 1947	8 6 1947 TO	15 8 1948
19 8 1948 TO	18 1 1949	22 1 1949 TO	23 9 1950	27 9 1950 TO	19 1 1951
23 1 1951 TO	3 11 1951	7 11 1951 TO	4 7 1952		

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
3 10 1938	2.37	402.47		28 2 1956	2.03	290.65	
4 10 1938	2.94	630.91		1 3 1956	2.36	397.09	
14 11 1938	2.00	282.61		30 7 1956	3.38	851.15	
8 12 1938	2.22	350.47		14 8 1956	3.13	725.06	
8 1 1939	1.88	250.08		4 9 1956	2.50	448.16	
7 2 1939	2.01	284.39		15 12 1956	2.40	411.17	
3 3 1939	1.95	266.92		20 7 1957	1.96	271.23	
13 7 1939	2.25	360.54		15 8 1957	3.30	807.32	
11 9 1939	2.16	330.79		10 11 1957	2.11	314.57	
2 12 1939	2.33	386.44		27 1 1958	2.53	459.72	
11 7 1940	2.34	391.75		11 2 1958	1.98	275.58	
12 11 1940	2.59	482.15		20 2 1958	1.96	270.37	
18 11 1940	1.98	275.58		27 2 1958	1.91	257.58	
16 12 1940	2.59	482.15		28 7 1958	2.90	615.71	
28 2 1941	1.92	258.43		24 8 1958	1.89	250.91	
12 4 1941	2.04	293.35		19 1 1959	2.02	287.06	
24 5 1941	2.46	435.63		16 2 1959	1.90	253.40	
13 8 1941	1.98	275.58		19 11 1959	2.25	360.54	
16 8 1941	2.43	424.41		22 1 1960	2.33	386.44	
10 10 1941	1.95	266.92		3 2 1960	1.94	264.36	
11 11 1941	2.10	311.76		29 2 1960	2.17	333.70	
17 3 1942	1.99	279.96		25 8 1960	3.20	760.15	
12 8 1942	2.07	302.48		13 10 1960	2.07	303.40	
12 2 1943	1.92	258.43		9 8 1961	2.13	321.20	
SEVEN ANNUAL PEAKS FROM SURFACE WATER YEAR BOOK							
25 12 1945	2.46	435.63		18 10 1961	2.03	291.55	
6 6 1947	2.46	435.63		20 10 1961	2.44	427.76	
17 8 1948	2.62	494.20		22 10 1961	2.08	307.10	
20 1 1949	2.08	307.10		11 12 1961	2.04	295.17	
25 9 1950	3.23	771.01		13 12 1961	2.01	286.17	
21 1 1951	2.42	421.08		15 1 1962	2.05	296.98	
5 11 1951	2.32	383.28		31 1 1962	2.19	341.53	
26 9 1952	2.08	307.10		11 2 1962	2.69	525.05	
6 11 1952	2.01	284.39		15 2 1962	2.08	305.24	
13 1 1953	2.14	325.97		16 8 1962	2.45	430.00	
15 1 1953	2.14	325.97		14 12 1962	2.74	544.07	
14 2 1953	2.05	297.90		6 3 1963	2.16	331.76	
14 7 1953	2.52	458.56		27 6 1963	2.54	464.39	
2 9 1953	1.88	250.08		5 8 1963	1.96	271.23	
3 12 1953	2.43	424.41	9	21 8 1963	2.10	311.76	
6 5 1954	2.23	353.47		1 9 1963	1.90	254.23	
18 10 1954	2.49	447.01		4 9 1963	1.95	268.64	
25 11 1954	1.92	258.43		18 8 1964	2.00	283.50	
27 11 1954	1.98	275.58		29 7 1965	2.10	311.76	
30 11 1954	2.01	284.39		18 9 1965	2.42	418.86	
4 12 1954	2.32	385.39		15 12 1965	2.43	424.41	
16 12 1954	2.13	321.20		6 1 1966	2.02	287.06	
26 12 1954	2.01	284.39		28 2 1966	2.01	284.39	
28 12 1954	2.22	350.47		23 3 1966	2.07	302.48	
15 3 1955	2.01	284.39		24 6 1966	2.70	530.08	
14 12 1955	1.97	272.97		27 6 1966	2.71	531.35	
29 12 1955	2.17	335.65		4 8 1966	2.28	370.78	
5 2 1956	1.96	271.23		6 11 1966	1.93	263.51	
				17 11 1966	1.98	277.33	
				5 12 1966	1.92	258.43	
				8 12 1966	1.93	263.51	
				17 12 1966	3.03	674.89	
				19 12 1966	2.79	567.39	
				3 3 1967	1.99	279.96	

8001 SPEY AT ABERLOUR

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
8 3 1967	1.92	260.96		17 3 1970	2.73	538.54	
4 10 1967	2.03	289.75		15 4 1970	2.26	362.04	
15 1 1968	2.25	360.54		17 4 1970	2.17	332.68	
27 3 1968	1.96	271.23		25 7 1970	2.02	286.82	
5 5 1968	2.31	381.18		17 8 1970	3.99	1218.00	
3 10 1968	2.17	332.73		20 8 1970	2.80	552.80	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1943-1944 1944-1945

8002 SPEY AT KINRARA

GRID REF	NH881082	AREA	1010. SQ.KM	DAFS	THRESHOLD	GRADE	A1
PERIOD OF RECORD	7 8 1951 TO	30 9 1970		76.00	CUMECs		
SIGNIFICANT GAPS	3 8 1952 TO	10 8 1952	14 12 1952 TO	24 12 1952	3 2 1962 TO	10 2 1962	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 11 1951	1.37	100.23		18 10 1961	1.48	113.77	
6 1 1952	1.15	76.03		20 10 1961	1.26	88.12	
15 1 1952	1.20	80.97		23 10 1961	1.37	100.23	
8 3 1952	1.15	76.03		24 10 1961	1.51	117.67	
28 10 1952	1.29	91.26	8	26 10 1961	1.26	87.77	
6 11 1952	1.26	87.77		8 11 1961	1.26	87.77	
27 1 1953	1.29	91.26		13 12 1961	1.68	140.50	
2 9 1953	1.34	96.60		15 1 1962	1.24	86.05	
7 11 1953	1.46	111.47	2	31 1 1962	1.85	164.58	
3 12 1953	1.35	98.41		12 2 1962	2.41	257.29	
19 1 1954	1.33	95.52	8	16 2 1962	1.58	127.64	
18 10 1954	1.38	102.44		17 8 1962	1.49	115.33	
28 10 1954	1.28	89.51		1 10 1962	1.36	99.50	
22 11 1954	1.18	78.65		14 12 1962	1.47	113.39	
25 11 1954	1.24	86.05		16 12 1962	1.65	136.71	
28 11 1954	1.50	117.28		14 3 1963	1.25	87.08	
30 11 1954	1.47	113.39		26 6 1963	1.18	78.65	
4 12 1954	2.05	196.60		21 10 1963	1.17	78.32	
16 12 1954	1.40	103.92		14 11 1964	1.23	84.68	
22 12 1954	1.37	100.23		8 12 1964	1.43	107.66	
27 12 1954	1.64	135.46		12 12 1964	1.15	76.03	
25 1 1955	1.20	80.97		7 1 1965	1.15	76.03	
28 12 1955	1.73	148.20		11 1 1965	1.53	120.82	
1 3 1956	1.53	121.22		29 7 1965	1.20	80.64	
30 7 1956	1.64	135.04		26 9 1965	1.43	107.66	
14 8 1956	1.50	116.88		4 10 1965	1.16	77.01	
16 12 1956	2.10	204.98		2 11 1965	1.38	101.70	
4 1 1957	1.17	77.66		15 12 1965	1.21	81.98	
8 1 1957	1.17	77.99		30 1 1966	1.22	82.99	
4 2 1957	1.52	119.24		27 2 1966	1.23	84.00	
8 2 1957	1.20	80.97		24 6 1966	1.56	124.01	
15 8 1957	1.35	98.41		28 6 1966	1.26	87.77	
20 12 1957	1.40	103.92		18 12 1966	2.77	325.45	
22 12 1957	1.38	102.07		30 1 1967	1.23	84.34	
28 1 1958	1.46	111.85		3 2 1967	1.21	81.64	
29 7 1958	1.26	87.77		6 3 1967	1.93	177.47	
19 1 1959	1.17	77.34		4 4 1967	1.20	81.31	
31 12 1959	1.20	80.64		26 10 1967	1.19	79.98	
23 1 1960	1.56	124.82		15 1 1968	1.54	122.01	
3 2 1960	1.32	94.80		28 3 1968	1.85	164.58	
29 2 1960	1.31	94.09		11 10 1968	1.22	82.99	
14 2 1961	1.44	108.80		17 10 1968	1.15	76.03	
9 8 1961	1.40	103.92		19 10 1968	1.17	78.32	
28 9 1961	1.60	129.27		30 10 1968	1.39	103.55	
				2 11 1969	1.48	113.61	
				17 3 1970	1.60	129.25	
				18 4 1970	1.32	94.12	

8002

SPEY AT KINRARA

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
23 4 1970	1.17	77.29		17 8 1970	1.65	136.02	
5 5 1970	1.22	82.74					

8003

SPEY AT RUTHVEN BRIDGE

GRID REF NM759996 AREA 534.0 SQ. KM
 PERIOD OF RECORD 6 8 1951 TO 30 9 1970
 SIGNIFICANT GAPS
 25 9 1951 TO 10 10 1951

DAFS THRESHOLD 59.79 GRADE A2
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
15 1 1952	1.60	62.27		17 10 1961	1.75	74.24	
6 11 1952	1.64	65.74		24 10 1961	1.84	81.97	
2 9 1953	1.75	74.24		6 11 1961	1.65	66.21	
26 10 1953	1.58	61.36		11 12 1961	2.00	96.66	
7 11 1953	2.03	99.58		13 12 1961	1.73	72.49	
2 12 1953	1.92	88.74		15 1 1962	1.92	89.57	
19 1 1954	1.68	68.59		31 1 1962	2.15	111.75	
18 10 1954	1.88	85.99		11 2 1962	2.92	206.43	
28 10 1954	1.62	63.88		15 2 1962	2.04	100.17	
25 11 1954	1.64	65.51		30 9 1962	1.85	83.03	
2 12 1954	2.19	115.53		14 12 1962	1.98	94.65	
4 12 1954	2.25	122.04		15 12 1962	2.07	103.15	
14 12 1954	1.64	65.74		5 3 1963	1.64	65.98	
18 12 1954	1.82	80.39		9 10 1963	1.59	61.82	
21 12 1954	1.63	64.57		21 10 1963	1.64	65.74	
26 12 1954	1.91	87.91		15 11 1964	1.72	72.00	
28 12 1954	1.60	62.96		9 12 1964	1.65	66.68	
24 1 1955	1.70	70.53		12 12 1964	1.73	72.49	
28 12 1955	2.19	115.55		11 1 1965	1.96	92.65	
20 1 1956	1.60	62.50		8 5 1965	1.59	61.59	
1 3 1956	2.02	98.12	9	29 7 1965	1.71	71.01	
14 8 1956	2.07	103.15		25 9 1965	1.71	71.26	
15 12 1956	2.24	120.40		4 10 1965	1.60	62.27	
20 1 1957	1.74	73.49		1 11 1965	1.78	76.51	
3 2 1957	1.81	79.60		15 12 1965	1.65	66.21	
25 8 1957	1.64	65.74		22 5 1966	1.66	67.16	
8 12 1957	1.66	66.92		23 6 1966	1.62	63.88	
20 12 1957	1.94	91.24		5 12 1966	1.64	65.74	
21 12 1957	1.68	68.59		17 12 1966	3.04	223.48	
28 7 1958	1.80	78.31		27 2 1967	1.60	62.96	
6 9 1958	1.81	79.34		3 3 1967	2.10	105.88	
19 1 1959	1.71	71.01		6 3 1967	2.12	108.33	
27 10 1959	1.69	69.31		7 3 1967	1.72	71.75	
17 12 1959	1.59	61.82		26 10 1967	1.60	62.96	
22 1 1960	1.97	93.79		15 1 1968	2.20	117.15	
23 1 1960	1.69	69.55		27 3 1968	2.27	123.69	
14 4 1960	1.59	61.82		11 10 1968	1.75	74.24	
28 8 1960	1.61	63.42		13 10 1968	1.75	74.49	
27 1 1961	1.91	88.46		16 10 1968	1.58	61.36	
10 2 1961	1.73	72.49		30 10 1968	2.05	101.36	
14 2 1961	1.66	66.92		21 9 1969	1.67	67.61	
9 8 1961	1.97	94.07		2 11 1969	2.12	107.88	
28 9 1961	2.07	103.15		17 3 1970	2.11	106.87	
				16 8 1970	1.78	76.51	

8004

AVON AT DELNASHAUGH

 GRID REF NJ184352 AREA 544. SQ.KM
 PERIOD OF RECORD 3 8 1952 TO 30 9 1970

 DAFS THRESHOLD 115.20 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
8 8 1952	2.16	210.51		23 10 1960	1.67	116.08	
26 9 1952	1.98	171.18		1 11 1960	1.99	174.89	
				1 8 1961	1.87	150.44	
23 10 1952	1.67	116.08		20 10 1961	2.17	214.01	
23 10 1952	1.67	116.08		22 10 1961	2.15	209.12	
6 11 1952	1.98	171.18		11 2 1962	2.32	248.59	
5 1 1953	1.67	116.08		16 8 1962	2.31	247.05	
15 1 1953	1.82	142.04		30 9 1962	1.92	159.13	
13 2 1953	1.76	131.28		14 12 1962	2.22	224.71	
1 6 1953	1.79	136.59		27 6 1963	2.20	219.67	
14 7 1953	2.43	278.83		5 8 1963	1.69	119.03	
22 9 1953	1.92	159.13		20 8 1963	1.87	150.44	
				1 9 1963	2.19	217.54	
3 12 1953	1.76	131.28		4 9 1963	1.72	123.54	
6 5 1954	1.67	116.08					
19 10 1954	2.05	186.98		18 8 1964	1.69	118.54	
22 10 1954	1.75	128.67		28 8 1964	1.78	134.99	
25 11 1954	1.98	171.18					
27 11 1954	1.67	116.08		8 12 1964	1.76	131.28	
16 12 1954	1.76	131.28		3 9 1965	1.85	147.61	
28 12 1954	1.72	123.54		8 9 1965	1.92	159.13	
24 1 1955	1.76	131.28		10 9 1965	1.67	116.08	
				18 9 1965	2.38	264.25	
14 12 1955	2.16	210.51		15 12 1965	1.88	153.30	
5 2 1956	1.76	131.28		22 5 1966	2.07	190.24	
28 2 1956	1.73	126.09		23 6 1966	2.19	217.54	
1 3 1956	2.13	203.61		27 6 1966	2.81	393.33	
30 7 1956	2.85	406.60		4 8 1966	1.94	163.89	
13 8 1956	2.78	383.30					
4 9 1956	2.25	232.01		1 10 1966	1.74	127.63	
				5 10 1966	1.84	144.81	
31 12 1956	1.75	129.71		17 11 1966	1.72	124.05	
13 7 1957	1.87	149.87		17 12 1966	2.31	247.05	
20 7 1957	1.96	168.12		5 5 1967	1.95	165.09	
15 8 1957	2.81	391.31		15 8 1967	1.73	126.09	
10 11 1957	1.76	131.28		4 10 1967	2.07	190.24	
11 12 1957	1.73	126.09		15 1 1968	1.67	116.08	
27 1 1958	2.28	239.46		19 4 1968	1.67	116.08	
20 2 1958	1.90	156.20		5 5 1968	1.74	127.63	
27 2 1958	1.80	138.21					
26 6 1958	2.10	198.20		30 10 1968	1.82	142.04	
28 7 1958	2.74	368.54					
				14 1 1970	1.83	142.25	
16 2 1959	1.69	118.54		16 3 1970	2.26	233.10	
				15 4 1970	1.94	162.98	
19 11 1959	2.35	256.35		16 4 1970	1.91	157.16	
22 1 1960	1.79	136.59		5 5 1970	1.70	119.90	
3 2 1960	1.73	126.09		25 7 1970	1.80	136.89	
29 2 1960	1.75	128.67		16 8 1970	3.15	512.25	
25 8 1960	3.20	532.04		20 8 1970	2.22	223.51	
10 10 1960	1.79	136.59					
13 10 1960	2.03	181.19					

8005

SPEY AT BOAT OF GARTEN

 GRID REF NH946191 AREA 1270. SQ.KM
 PERIOD OF RECORD 29 8 1951 TO 30 9 1970

 DAFS THRESHOLD 90.00 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 11 1951	1.75	132.84		3 12 1953	1.78	135.71	
				19 1 1954	1.56	115.02	
6 11 1952	1.50	110.31		18 10 1954	1.70	128.55	
15 1 1953	1.36	97.24		28 10 1954	1.46	106.19	
28 1 1953	1.55	114.47		27 11 1954	1.88	145.88	
2 9 1953	1.63	121.46		4 12 1954	2.79	237.52	
				16 12 1954	1.67	125.70	
8 11 1953	1.76	134.27		18 12 1954	1.70	128.55	

8005

SPEY AT BOAT OF GARTEN

DATE	LEVEL	DISCHARGE	NOTE
22 12 1954	1.52	111.69	
26 12 1954	1.99	156.21	
25 1 1955	1.40	100.75	
29 12 1955	2.35	192.07	
1 3 1956	1.84	141.51	
30 7 1956	2.39	196.12	
14 8 1956	2.20	176.99	
4 9 1956	1.37	98.05	
16 12 1956	2.89	248.62	
1 1 1957	1.32	94.03	
6 1 1957	1.31	92.70	
20 1 1957	1.41	101.83	
4 2 1957	1.92	148.82	
8 2 1957	1.35	96.71	
15 8 1957	2.07	163.67	
20 12 1957	1.68	126.84	
28 1 1958	1.82	140.05	
11 2 1958	1.31	93.23	
28 7 1958	1.86	143.84	
20 1 1959	1.52	111.42	
20 11 1959	1.53	112.52	
7 12 1959	1.43	103.46	
1 1 1960	1.52	111.69	
23 1 1960	1.92	148.82	
4 2 1960	1.64	122.87	
29 2 1960	1.64	122.87	
25 8 1960	2.13	169.70	
28 1 1961	1.32	94.03	
10 2 1961	1.37	98.59	
14 2 1961	1.68	126.55	
9 8 1961	1.82	139.47	
28 9 1961	1.83	140.92	
18 10 1961	1.80	138.02	
23 10 1961	1.81	138.60	
24 10 1961	1.88	145.88	
8 11 1961	1.57	116.42	
13 12 1961	2.14	171.21	
8 1 1962	1.35	96.71	
16 1 1962	1.60	118.65	
1 2 1962	2.30	187.12	
6 2 1962	1.46	106.19	
12 2 1962	3.41	305.66	
16 2 1962	1.93	150.29	
16 8 1962	1.92	149.11	

DATE	LEVEL	DISCHARGE	NOTE
1 10 1962	1.65	123.44	
16 12 1962	2.09	165.48	
7 3 1963	1.40	100.75	
15 3 1963	1.48	107.84	
26 6 1963	1.59	118.37	
21 8 1963	1.37	98.05	
21 10 1963	1.29	91.11	
15 11 1964	1.44	104.55	
6 12 1964	1.31	92.70	
9 12 1964	1.68	126.27	
12 12 1964	1.35	96.97	
7 1 1965	1.31	92.70	
11 1 1965	1.84	141.51	
29 7 1965	1.51	111.14	
26 9 1965	1.65	124.00	
4 10 1965	1.35	96.17	
1 11 1965	1.67	125.14	
15 12 1965	1.67	125.42	
30 1 1966	1.40	101.02	
28 2 1966	1.40	101.29	
24 6 1966	2.20	176.68	2
28 6 1966	1.61	120.34	
5 12 1966	1.33	94.83	
8 12 1966	1.40	101.29	
18 12 1966	4.01	375.08	2
23 12 1966	1.43	104.01	
30 1 1967	1.32	94.03	
3 2 1967	1.34	95.37	
28 2 1967	1.29	91.64	
6 3 1967	2.37	193.62	
15 3 1967	1.49	108.66	
15 1 1968	1.61	120.06	
19 1 1968	1.37	98.05	
28 3 1968	2.26	182.81	
31 10 1968	1.73	131.40	
2 11 1969	1.57	115.88	
17 3 1970	1.99	155.58	
17 4 1970	1.63	121.40	
23 4 1970	1.30	91.77	
5 5 1970	1.42	102.34	
17 8 1970	2.17	173.32	
20 8 1970	1.76	133.53	

8006

SPEY AT BOAT O'BRIG

GRID REF NJ318518 AREA 2850. SQ. KM
 PERIOD OF RECORD 10 8 1952 TO 1 10 1970

DAFS THRESHOLD 285.00 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
26 9 1952	1.78	341.05	
6 11 1952	1.73	320.52	
31 12 1952	1.79	347.24	
12 1 1953	2.24	563.27	
14 2 1953	1.87	379.27	
3 6 1953	1.67	299.65	
14 7 1953	2.17	531.08	
3 12 1953	2.13	507.70	
6 5 1954	1.95	413.11	
19 10 1954	2.15	516.98	
25 11 1954	1.67	299.65	
27 11 1954	1.68	301.93	
30 11 1954	1.67	297.39	

DATE	LEVEL	DISCHARGE	NOTE
2 12 1954	1.67	299.65	
4 12 1954	1.88	385.89	
16 12 1954	1.76	334.92	
26 12 1954	1.67	299.65	
28 12 1954	1.85	372.72	
24 1 1955	1.76	332.50	
15 3 1955	1.75	328.87	
14 12 1955	1.79	347.24	
28 12 1955	1.79	347.24	
5 2 1956	1.67	299.65	
29 2 1956	1.74	325.28	
1 3 1956	1.93	406.19	
30 7 1956	3.10	1153.00	
14 8 1956	2.65	812.36	
4 9 1956	2.22	555.12	

8006

SPEY AT BOAT O'BRIG

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
15 12 1956	1.95	417.29		27 6 1963	2.16	523.22	
27 3 1957	1.65	290.66		5 8 1963	1.73	322.89	
20 7 1957	1.85	372.72		20 8 1963	1.87	377.95	
15 8 1957	2.85	959.82		4 9 1963	1.67	299.65	
10 11 1957	1.87	379.27		18 8 1964	1.78	341.05	
11 12 1957	1.69	307.66		29 7 1965	1.75	328.87	
27 1 1958	2.19	540.62		4 9 1965	1.69	305.36	
11 2 1958	1.78	339.82		8 9 1965	1.70	311.13	
20 2 1958	1.77	336.14		18 9 1965	2.15	516.98	
27 2 1958	1.77	337.37		15 12 1965	2.05	470.18	
28 7 1958	2.81	923.75		17 12 1965	1.85	372.72	
24 8 1958	1.64	288.44		6 1 1966	1.69	307.66	
19 1 1959	1.71	313.46		28 2 1966	1.69	305.36	
16 2 1959	1.64	288.44		23 5 1966	1.76	333.71	
19 11 1959	1.88	385.89		24 6 1966	2.28	588.19	
22 1 1960	1.99	434.30		27 6 1966	2.24	563.27	
29 2 1960	1.86	375.33		4 8 1966	1.95	413.11	
25 8 1960	2.88	980.49		6 11 1966	1.67	299.65	
13 10 1960	1.89	388.56		17 11 1966	1.70	308.82	
9 8 1961	1.81	353.50		5 12 1966	1.65	291.78	
18 10 1961	1.67	299.65		8 12 1966	1.64	288.44	
20 10 1961	2.04	462.89		17 12 1966	2.48	704.04	
22 10 1961	1.70	312.30		3 3 1967	1.68	303.07	
11 12 1961	1.73	320.52		4 10 1967	1.73	322.89	
13 12 1961	1.67	299.65		15 1 1968	1.95	415.89	
15 1 1962	1.73	322.89		5 5 1968	2.25	571.51	
31 1 1962	1.79	344.75		31 10 1968	1.86	376.64	
11 2 1962	2.27	584.83		17 3 1970	2.31	601.54	
15 2 1962	1.75	328.87		15 4 1970	1.87	377.32	
16 8 1962	2.05	470.18		25 7 1970	1.67	297.28	
14 12 1962	2.28	588.19		17 8 1970	3.58	1597.00	
15 12 1962	1.95	413.11		20 8 1970	2.40	653.28	
6 3 1963	1.83	362.39					

8007

SPEY AT INVERTRUIM

GRID REF NN688964 AREA 401.0 SQ.KM
 PERIOD OF RECORD 16 9 1952 TO 30 9 1970

DAFS THRESHOLD 38.50 GRADE A1 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
29 10 1952	1.14	39.56		24 1 1955	1.15	40.53	
2 9 1953	1.32	61.31		28 12 1955	1.70	124.04	
26 10 1953	1.21	47.28		20 1 1956	1.14	39.24	
7 11 1953	1.46	81.12		1 3 1956	1.45	80.17	
2 12 1953	1.31	59.30		29 7 1956	1.24	51.24	
19 1 1954	1.25	52.35		14 8 1956	1.33	62.95	
5 3 1954	1.33	62.54		3 9 1956	1.15	41.18	
18 10 1954	1.34	63.36		14 12 1956	1.22	49.06	
26 10 1954	1.16	41.50		15 12 1956	1.63	109.55	
27 10 1954	1.16	42.16		20 1 1957	1.27	55.00	
13 11 1954	1.16	42.16		20 12 1957	1.46	82.07	
22 11 1954	1.29	57.32		21 12 1957	1.35	65.45	
25 11 1954	1.32	60.90		28 7 1958	1.17	43.49	
27 11 1954	1.14	39.56		19 1 1959	1.20	45.88	
27 11 1954	1.18	44.51		19 1 1959	1.16	41.83	
30 11 1954	1.15	41.18		17 10 1959	1.44	78.30	
1 12 1954	1.21	47.99		7 12 1959	1.28	56.15	
2 12 1954	1.52	90.91		21 1 1960	1.32	60.90	
4 12 1954	1.67	118.12		14 4 1960	1.27	54.23	
14 12 1954	1.20	46.23		28 8 1960	1.14	39.24	
18 12 1954	1.40	71.94		14 9 1960	1.16	41.83	
21 12 1954	1.24	51.61					
26 12 1954	1.31	59.30					
28 12 1954	1.23	49.78					

8007

SPEY AT INVERTUIM

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 1 1961	1.36	67.15		11 1 1965	1.46	81.12	
10 2 1961	1.24	51.61		25 9 1965	1.37	67.57	
14 2 1961	1.14	39.56					
8 8 1961	1.39	70.61		1 11 1965	1.32	60.90	
28 9 1961	1.52	90.91		15 12 1965	1.21	47.63	9
				23 6 1966	1.15	40.85	
22 10 1961	1.23	50.14					
24 10 1961	1.49	86.92		5 12 1966	1.18	44.51	
7 11 1961	1.22	49.06		17 12 1966	2.31	276.92	
10 12 1961	1.24	50.87		27 2 1967	1.20	45.88	
12 12 1961	1.35	64.61		3 3 1967	1.56	97.61	9
8 1 1962	1.19	44.85		5 3 1967	1.74	131.35	9
15 1 1962	1.49	85.94		7 3 1967	1.16	42.16	9
31 1 1962	1.65	114.07		11 3 1967	1.13	38.93	
11 2 1962	2.18	237.50		15 3 1967	1.15	41.18	
15 2 1962	1.66	116.38		25 3 1967	1.27	55.00	
29 9 1962	1.48	84.96					
				26 10 1967	1.14	39.24	
1 10 1962	1.17	43.16		14 1 1968	1.55	96.04	
15 12 1962	1.45	80.17		27 3 1968	1.76	136.35	
5 3 1963	1.16	41.83					
				11 10 1968	1.27	54.23	
21 10 1963	1.12	37.67		13 10 1968	1.33	62.95	
				19 10 1968	1.15	41.18	
15 11 1964	1.30	58.90		30 10 1968	1.34	63.36	
8 12 1964	1.17	43.49					
12 12 1964	1.36	67.15		2 11 1969	1.53	91.91	
7 1 1965	1.27	54.23		17 3 1970	1.54	93.58	

8008

TROMIE AT TROMIE BRIDGE

GRID REF	AREA	PERIOD OF RECORD	DAFS THRESHOLD	GRADE B CUMECs			
NN788995	130.89 KM ²	8 9 1952 TO 30 9 1970	21.00				
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
23 10 1952	0.94	24.49		25 8 1957	0.93	23.81	
28 10 1952	0.97	26.25		28 1 1958	1.03	29.80	
25 6 1953	1.96	127.16		29 7 1958	0.91	22.80	
2 9 1953	1.09	34.03		10 8 1958	0.99	27.53	
				6 9 1958	2.14	155.07	
26 10 1953	1.12	36.16					
2 12 1953	1.03	29.99		19 1 1959	1.07	32.58	
				14 5 1959	0.96	25.72	
22 10 1954	1.09	34.03					
26 10 1954	1.00	28.09		8 11 1959	0.91	22.80	
22 11 1954	1.13	36.82		19 11 1959	1.03	29.99	
25 11 1954	1.34	53.26		7 12 1959	1.35	54.63	
27 11 1954	1.31	50.58		17 12 1959	1.09	34.03	
27 11 1954	1.40	58.87		31 12 1959	1.15	37.92	
30 11 1954	1.24	45.46		21 1 1960	1.33	52.45	
2 12 1954	1.34	53.26		23 1 1960	1.06	31.97	
3 12 1954	1.56	76.02		3 2 1960	1.44	63.29	
18 12 1954	1.03	29.99		4 4 1960	0.97	26.07	
26 12 1954	1.09	34.03		28 8 1960	1.36	55.18	
				14 9 1960	1.24	44.72	
28 12 1955	1.15	38.37					
20 1 1956	0.94	24.49		27 1 1961	1.14	37.04	
1 3 1956	1.11	35.09		14 2 1961	1.24	45.21	
23 3 1956	0.99	27.16		8 8 1961	1.09	34.03	
30 7 1956	1.63	83.25		28 9 1961	2.13	153.55	
13 8 1956	0.96	25.54		29 9 1961	1.15	38.37	
23 10 1956	0.93	23.81		22 10 1961	0.97	26.25	
8 11 1956	1.07	32.58		24 10 1961	1.38	57.43	
14 12 1956	1.09	34.03		7 11 1961	1.03	29.80	
15 12 1956	1.71	93.12		10 12 1961	1.02	29.22	
4 1 1957	1.06	31.97		12 12 1961	0.97	26.25	
5 1 1957	1.08	33.20		13 12 1961	1.09	34.03	
31 1 1957	0.92	23.30		8 1 1962	1.07	32.79	
3 2 1957	1.32	52.18		15 1 1962	1.03	29.99	
4 2 1957	1.12	35.73		31 1 1962	1.20	41.59	
8 2 1957	0.97	26.25		11 2 1962	1.88	115.27	
14 8 1957	1.09	34.03		29 9 1962	1.06	31.97	

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TROMIE AT TROMIE BRIDGE

DATE	LEVEL	DISCHARGE	NOTE
30 9 1962	1.07	32.38	
14 12 1962	1.03	29.99	
15 12 1962	1.22	43.50	
14 3 1963	1.05	31.17	
15 3 1963	1.15	37.92	
16 3 1963	0.91	22.80	
22 4 1963	1.06	31.57	
7 5 1964	0.99	27.16	
8 12 1964	0.98	26.79	
11 12 1964	0.97	26.25	
11 1 1965	1.24	45.46	
25 9 1965	1.14	37.26	
5 10 1965	0.91	22.80	
1 11 1965	1.14	37.48	
30 1 1966	1.27	47.21	

DATE	LEVEL	DISCHARGE	NOTE
27 2 1966	0.96	25.34	
23 6 1966	0.95	24.84	
28 6 1966	0.93	23.98	
17 12 1966	1.97	128.53	
27 2 1967	0.98	26.98	
3 3 1967	0.96	25.89	
5 3 1967	1.27	47.47	
7 3 1967	1.23	44.47	
13 10 1967	1.15	37.92	
14 1 1968	1.08	32.99	
27 3 1968	0.94	24.49	
11 10 1968	1.04	30.58	
19 10 1968	0.98	26.61	
16 3 1970	0.97	25.94	

8009

DULNAN AT BALNAAN BRIDGE

GRID REF NH976247 AREA 272. SQ.KM
 PERIOD OF RECORD 23 1 1952 TO 26 9 1970

DAFS THRESHOLD 49.00 GRADE B CUMECs

DATE	LEVEL	DISCHARGE	NOTE
6 11 1952	1.64	82.80	
15 1 1953	1.40	58.84	
13 2 1953	1.31	51.08	
25 5 1953	1.31	51.33	
1 6 1953	1.34	53.60	
2 9 1953	1.74	93.49	
7 11 1953	1.67	85.74	
2 12 1953	1.76	95.57	
19 1 1954	1.45	63.79	
6 5 1954	1.46	64.35	
18 10 1954	1.81	101.25	
2 12 1954	1.42	60.74	
4 12 1954	1.72	90.75	
16 12 1954	1.60	77.72	
21 12 1954	1.37	56.72	
26 12 1954	1.55	73.11	
6 10 1955	1.52	70.12	
26 12 1955	1.35	54.89	
28 12 1955	1.51	68.95	
20 1 1956	1.31	51.58	
28 2 1956	1.32	52.08	
1 3 1956	1.98	122.51	
30 7 1956	1.78	97.68	
14 8 1956	2.16	147.30	
4 9 1956	1.53	71.61	
24 10 1956	1.70	88.39	
2 12 1956	1.30	50.58	
15 12 1956	1.92	115.44	
25 12 1956	1.35	54.89	
28 12 1956	1.51	68.95	
20 1 1957	1.38	57.77	
15 8 1957	2.05	132.30	
19 12 1957	1.49	67.49	
26 1 1958	1.61	79.60	
13 7 1958	1.58	76.17	
10 8 1958	1.40	59.11	
23 8 1958	1.31	51.08	
18 1 1959	1.35	54.37	
14 2 1959	1.34	53.60	
16 2 1959	1.33	53.09	

DATE	LEVEL	DISCHARGE	NOTE
22 1 1960	1.42	60.74	
29 2 1960	1.34	53.60	
14 4 1960	1.31	51.85	
25 8 1960	2.15	145.98	
8 8 1961	1.43	62.12	
28 9 1961	1.54	72.21	
18 10 1961	1.52	70.12	
11 12 1961	1.31	51.08	
31 1 1962	1.57	74.94	
11 2 1962	2.17	148.63	
15 2 1962	1.36	55.41	
16 8 1962	1.37	56.19	
14 12 1962	1.98	122.91	
16 12 1962	1.54	71.91	
5 3 1963	1.31	51.58	
21 10 1963	1.47	65.77	
26 8 1964	1.34	54.11	
8 12 1964	1.30	50.34	
29 7 1965	1.60	78.34	
4 10 1965	1.35	55.15	
1 11 1965	1.49	67.20	
15 12 1965	1.32	52.33	
6 1 1966	1.46	64.07	
27 2 1966	1.37	56.19	
23 5 1966	1.67	86.07	
24 6 1966	1.88	109.72	
27 6 1966	1.57	74.94	
15 11 1966	1.33	53.09	
8 12 1966	1.31	51.08	
17 12 1966	2.51	202.26	
3 3 1967	1.62	80.56	
5 3 1967	1.49	67.20	
15 8 1967	1.29	49.84	
4 10 1967	1.49	67.20	
8 10 1967	1.34	54.11	
26 10 1967	1.29	50.09	
15 1 1968	1.76	95.92	
26 3 1968	1.51	69.53	
11 10 1968	1.43	62.12	

8009

DULNAN AT BALNAAN BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 10 1968	1.57	74.94		6 6 1970	1.59	76.68	
2 11 1969	1.48	65.93		25 7 1970	1.40	58.66	
16 3 1970	1.99	123.27		16 8 1970	2.25	160.02	
15 4 1970	1.40	58.66		20 8 1970	2.05	131.29	

8010

SPEY AT GRANTOWN

GRID REF NJ034268 AREA 1750. SQ. KM
 PERIOD OF RECORD 29 11 1951 TO 30 9 1970

DAFS THRESHOLD 126.00 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
29 11 1951	1.06	129.63		10 2 1961	1.06	130.16	
15 1 1952	1.06	129.63		14 2 1961	1.15	146.15	
6 11 1952	1.24	163.59		9 8 1961	1.33	180.68	
12 1 1953	1.15	146.15		29 9 1961	1.20	154.18	
15 1 1953	1.21	157.68		18 10 1961	1.36	186.97	
27 1 1953	1.08	132.32		20 10 1961	1.24	162.40	
14 2 1953	1.09	135.03		23 10 1961	1.18	151.87	
2 9 1953	1.28	169.60		25 10 1961	1.24	162.40	
8 11 1953	1.28	169.60		8 11 1961	1.17	149.00	
3 12 1953	1.46	207.77		14 12 1961	1.42	200.51	
19 1 1954	1.19	153.60		8 1 1962	1.11	137.78	
6 5 1954	1.16	146.72		14 1 1962	1.24	163.59	
18 10 1954	1.45	206.44		31 1 1962	1.52	221.28	
25 11 1954	1.15	145.02		6 2 1962	1.11	137.78	
28 11 1954	1.25	164.19		12 2 1962	1.95	326.69	
30 11 1954	1.18	151.87		16 2 1962	1.39	193.36	
4 12 1954	1.82	293.87		16 8 1962	1.39	193.36	
14 12 1954	1.09	135.03		14 12 1962	1.58	234.48	
16 12 1954	1.37	188.24		6 3 1963	1.18	150.72	
18 12 1954	1.18	151.87		27 6 1963	1.25	164.19	
21 12 1954	1.24	163.59		21 10 1963	0.99	116.52	
26 12 1954	1.43	201.16		15 11 1964	1.16	147.29	
28 12 1954	1.40	194.65		9 12 1964	1.26	166.59	
25 1 1955	1.19	153.02		11 1 1965	1.24	163.59	
26 12 1955	1.06	129.63		29 7 1965	1.28	169.60	
29 12 1955	1.57	232.37		26 9 1965	1.17	150.14	
1 1 1956	1.18	151.87		1 11 1965	1.28	170.21	
29 2 1956	1.17	149.57		15 12 1965	1.35	185.71	
1 3 1956	1.58	235.18		6 1 1966	1.18	150.72	
30 7 1956	1.73	271.63		27 2 1966	1.10	136.13	
14 8 1956	1.82	294.65		23 5 1966	1.14	143.34	
4 9 1956	1.37	188.24		24 6 1966	1.67	255.29	
24 10 1956	1.13	141.10		27 6 1966	1.42	200.51	
15 12 1956	1.85	302.52		15 11 1966	1.11	138.33	
20 1 1957	1.06	129.63		5 12 1966	1.13	141.10	
5 2 1957	1.37	188.24		8 12 1966	1.22	158.85	
15 8 1957	1.64	250.19		19 12 1966	2.34	441.22	
10 11 1957	1.16	147.86		23 12 1966	1.12	140.54	
20 12 1957	1.21	155.92		3 3 1967	1.39	193.36	
27 1 1958	1.40	194.65		6 3 1967	1.47	211.11	
11 2 1958	1.12	139.99		14 3 1967	1.14	144.46	
28 7 1958	1.42	198.55		15 1 1968	1.39	193.36	
24 8 1958	1.17	148.43		19 1 1968	1.11	137.78	
19 1 1959	1.16	146.72		28 3 1968	1.37	189.52	
14 11 1959	1.07	130.70		31 10 1968	1.37	188.24	
21 11 1959	1.16	146.72		2 11 1969	1.12	139.13	
1 1 1960	1.10	136.13		17 3 1970	1.63	245.70	
22 1 1960	1.41	197.89		15 4 1970	1.24	161.70	
3 2 1960	1.20	154.76		17 8 1970	1.92	318.48	
29 2 1960	1.28	169.60		20 8 1970	1.58	234.03	
14 4 1960	1.11	137.78					
25 8 1960	1.81	291.53					

9001

DEVERON AT AVOCHIE

 GRID REF NJ532464 AREA 442. SQ.KM
 PERIOD OF RECORD 4 11 1959 TO 30 9 1970

 DAFS THRESHOLD 68.00 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 11 1959	1.34	74.98		18 8 1964	1.49	91.64	
19 11 1959	1.81	130.96					
12 1 1960	1.35	75.91		4 9 1965	1.53	95.45	
23 1 1960	1.34	75.60		8 9 1965	1.84	134.70	
3 2 1960	1.34	75.60		18 9 1965	1.97	153.79	
29 2 1960	1.40	81.30					
25 8 1960	2.17	184.86		9 12 1965	1.31	71.91	
				15 12 1965	1.49	91.64	
3 10 1960	1.66	111.53		30 3 1966	1.35	76.85	
13 10 1960	1.52	94.75		23 5 1966	1.52	95.10	
23 10 1960	1.49	91.29		23 6 1966	1.95	151.11	
26 10 1960	1.49	91.29		27 6 1966	1.41	82.60	
1 11 1960	2.02	161.05					
3 11 1960	1.56	99.71		17 11 1966	1.57	100.43	
				17 12 1966	1.57	100.79	
20 10 1961	1.77	125.65		6 5 1967	1.95	150.22	
23 10 1961	1.46	88.57					
12 2 1962	1.37	78.74		11 12 1967	1.46	88.57	
15 2 1962	1.38	80.02		15 1 1968	1.40	81.30	
16 8 1962	1.33	74.05		19 4 1968	1.34	74.98	
30 9 1962	1.67	112.30		5 5 1968	2.14	179.96	
				16 7 1968	1.34	74.98	
24 11 1962	1.36	77.79					
14 12 1962	1.90	143.65		2 1 1969	1.35	75.88	
15 12 1962	1.35	75.91		8 1 1969	1.73	119.89	
6 3 1963	1.58	101.88		24 5 1969	1.38	78.98	
27 6 1963	1.62	106.28					
5 8 1963	1.64	109.27		14 1 1970	1.68	113.51	
1 9 1963	1.29	70.40		17 3 1970	1.71	117.32	
3 9 1963	1.42	83.91		25 7 1970	1.37	77.94	
				17 8 1970	2.47	235.53	
10 11 1963	1.28	69.81		20 8 1970	2.20	188.72	
12 11 1963	1.29	70.70					

9002

DEVERON AT MUIRESK

 GRID REF NJ705498 AREA 956. SQ.KM
 PERIOD OF RECORD 21 6 1960 TO 30 9 1970

 DAFS THRESHOLD 121.00 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 8 1960	3.38	326.40					
				9 12 1965	3.03	240.07	
3 10 1960	2.44	167.19		15 12 1965	2.59	183.77	
13 10 1960	2.74	202.17		2 1 1966	2.10	130.50	
23 10 1960	2.17	138.02		23 5 1966	2.09	129.57	
26 10 1960	2.30	151.30		23 6 1966	3.16	257.36	
1 11 1960	3.27	285.17		27 6 1966	2.83	213.58	
4 11 1960	3.41	338.29		5 8 1966	3.10	249.47	
20 10 1961	2.96	230.42		17 11 1966	2.36	157.64	
23 10 1961	2.31	152.63		2 12 1966	2.41	163.41	
10 12 1961	2.25	145.73		23 1 1967	2.35	157.30	
8 1 1962	2.10	130.19		25 1 1967	2.28	149.33	
15 1 1962	2.12	132.36		6 5 1967	2.94	227.25	
11 2 1962	2.10	130.81					
15 2 1962	2.07	127.42		2 11 1967	2.07	127.11	
20 9 1962	2.46	168.92		11 12 1967	2.62	187.39	
				15 1 1968	2.85	216.67	
24 11 1962	2.56	180.19		19 4 1968	2.04	124.37	
14 12 1962	3.03	240.07		5 5 1968	3.80	521.59	
6 3 1963	2.60	185.58					
27 6 1963	2.65	191.04		31 10 1968	2.56	180.19	
5 8 1963	2.65	191.04		8 1 1969	2.64	189.63	
20 8 1963	2.55	179.47		29 4 1969	2.08	127.85	
3 9 1963	2.17	138.02		28 5 1969	2.60	184.86	
18 8 1964	2.41	163.07		14 1 1970	2.52	175.49	
				17 3 1970	2.32	153.01	
4 9 1965	2.45	168.57		25 7 1970	2.21	141.23	
8 9 1965	3.06	243.32		17 8 1970	3.61	422.94	
18 9 1965	3.40	333.50		20 8 1970	3.38	325.14	

10001

YTMAN AT ARDLETHAN

GRID REF NJ924308 AREA 448. SQ. KM DAFS GRADE A
 PERIOD OF RECORD 1 8 1939 TO 30 9 1970 THRESHOLD 26.00 CUMECs
 SIGNIFICANT GAPS
 24 2 1958 TO 12 4 1958 1 11 1965 TO 24 11 1965

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
				5 2 1951	1.80	37.83	
7 2 1940	1.65	31.07		14 3 1951	1.67	32.15	
6 11 1940	2.01	48.55		6 11 1951	2.78	97.31	
14 11 1940	2.00	47.88		11 11 1951	1.84	39.62	
16 11 1940	1.80	37.83		17 2 1952	1.98	46.56	
18 11 1940	1.77	36.65		7 3 1952	1.66	31.61	
24 1 1941	1.75	35.50					
8 2 1941	1.67	32.15		13 12 1952	1.56	27.45	
15 2 1941	1.67	32.15		17 12 1952	1.79	37.24	
27 2 1941	1.63	30.54		15 2 1953	1.71	33.81	
3 4 1941	1.73	34.93		22 9 1953	1.91	43.33	
10 10 1941	1.85	40.23		3 12 1953	1.57	27.95	
30 10 1941	1.84	39.62		13 2 1954	1.76	36.19	
11 11 1941	2.18	57.67		6 3 1954	1.64	30.99	
14 11 1941	2.05	50.58		6 5 1954	1.79	37.59	
19 11 1941	1.95	45.26					
24 1 1942	1.82	39.02		29 10 1954	1.70	33.47	
12 2 1942	1.73	34.93		24 11 1954	2.33	66.86	
17 3 1942	1.53	26.45		27 11 1954	2.16	56.33	
				29 11 1954	1.76	35.91	
9 5 1943	1.84	39.62		9 12 1954	2.10	53.25	
				12 12 1954	1.54	26.91	
13 11 1943	1.35	20.01		7 3 1955	1.54	26.67	
22 11 1944	1.72	34.37		16 12 1955	2.03	49.60	
11 12 1944	1.79	37.24		23 12 1955	1.53	27.15	
17 12 1944	1.72	34.37		29 1 1956	1.78	37.17	
23 1 1945	1.54	26.95		5 2 1956	1.70	33.47	
5 2 1945	1.72	34.37		4 9 1956	1.53	26.31	
7 2 1945	1.98	46.56					
16 7 1945	1.57	27.95		28 12 1956	1.77	36.33	
9 8 1945	1.75	35.50		20 7 1957	2.14	55.64	
				15 8 1957	2.01	48.15	
28 10 1945	2.47	75.76					
25 12 1945	1.82	39.02		6 12 1957	2.04	49.77	
				11 12 1957	2.49	77.28	
17 11 1946	1.72	34.37		27 1 1958	1.92	43.46	
20 11 1946	2.15	56.21		10 2 1958	2.12	54.44	
2 12 1946	1.62	30.01		29 7 1958	1.70	33.47	
8 12 1946	1.58	28.46					
12 12 1946	1.95	45.26		12 12 1958	2.01	48.15	
11 1 1947	1.53	26.45		19 12 1958	1.54	26.67	
14 1 1947	2.05	50.58		19 1 1959	1.93	44.38	
16 1 1947	1.79	37.24					
22 3 1947	1.99	47.22		19 11 1959	2.01	48.15	
25 3 1947	1.73	34.93		8 12 1959	1.58	28.36	
27 3 1947	1.65	31.07		22 1 1960	2.06	50.75	
30 3 1947	1.60	28.97		31 1 1960	2.04	49.77	
				25 2 1960	2.00	47.83	
6 12 1947	1.63	30.54					
11 1 1948	1.94	44.61		23 10 1960	1.85	40.33	
8 6 1948	1.81	38.42		26 10 1960	1.71	34.01	
				1 11 1960	2.19	58.43	
11 12 1948	2.00	47.88		4 11 1960	1.82	39.02	
				10 11 1960	1.82	39.02	
18 11 1949	1.54	26.95		12 11 1960	1.56	27.39	
3 2 1950	1.58	28.46					
5 2 1950	1.60	28.97		23 10 1961	1.57	28.11	
18 2 1950	1.58	28.46		10 12 1961	1.72	34.14	
19 3 1950	2.05	50.58		8 1 1962	1.82	38.87	
25 9 1950	2.26	62.15		12 1 1962	1.99	47.35	
				16 1 1962	1.60	28.97	
21 11 1950	1.53	26.45		15 2 1962	1.55	27.03	
29 11 1950	1.62	30.01		29 3 1962	1.86	40.77	
7 12 1950	1.68	32.70		30 9 1962	1.57	28.11	
20 12 1950	1.72	34.37					
10 1 1951	1.89	42.08		23 11 1962	1.99	47.51	
17 1 1951	1.54	26.95		14 12 1962	1.56	27.39	
21 1 1951	1.70	33.25		6 3 1963	1.88	41.65	

10001

YTHAN AT ARDLETHAN

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 3 1963	1.92	43.61		6 5 1967	2.06	53.86	
3 9 1963	2.09	52.74					
25 3 1964	1.83	39.45		2 11 1967	1.79	39.99	
18 9 1965	1.80	37.87		6 11 1967	1.63	32.74	
3 12 1965	2.17	56.85		11 12 1967	1.84	42.31	
9 12 1965	2.13	54.78		15 1 1968	2.03	52.38	
15 12 1965	1.63	30.61		5 5 1968	2.27	65.80	
31 12 1965	1.54	26.91					
23 6 1966	2.02	48.95		1 1 1969	1.54	28.97	
5 8 1966	1.90	42.55		7 1 1969	2.08	54.59	
6 10 1966	1.59	31.32		13 1 1969	2.02	51.37	
20 10 1966	1.56	30.05		16 1 1969	1.59	31.02	
1 11 1966	2.03	51.90		18 1 1969	1.64	33.14	
6 11 1966	1.63	32.74		24 2 1969	1.87	43.72	
16 11 1966	1.82	41.73		3 5 1969	1.71	36.21	
1 12 1966	1.98	49.33		27 5 1969	1.50	27.40	
3 12 1966	1.55	29.56		29 5 1969	1.51	27.77	
12 12 1966	1.86	43.65					
15 12 1966	1.46	26.26		15 1 1970	2.06	53.50	
21 1 1967	1.77	39.28		18 1 1970	1.94	47.22	
23 1 1967	1.76	38.57		21 2 1970	1.80	40.35	
26 1 1967	1.93	47.14		12 3 1970	1.50	27.40	
				15 3 1970	1.60	31.44	
				17 8 1970	1.61	31.86	
				20 8 1970	1.52	28.17	

12001

DEE AT CAIRNTON

GRID REF N0632960 AREA 1370. SQ. KM
 PERIOD OF RECORD 1 10 1929 TO 6 10 1969

NESWB THRESHOLD 195.00 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
7 10 1929	1.67	230.06		1 2 1933	1.90	292.75	
20 11 1929	1.77	259.79					
5 12 1929	2.59	499.24		24 10 1933	1.60	214.09	
24 12 1929	1.62	219.15		28 10 1933	2.28	401.33	
2 1 1930	2.13	356.03		20 11 1933	1.88	286.34	
8 1 1930	1.57	209.09		12 1 1934	1.77	259.79	
19 1 1930	1.65	224.90		14 4 1934	2.43	449.07	
9 3 1930	1.60	214.09		16 4 1934	2.53	481.91	
2 4 1930	2.20	378.37		29 8 1934	1.77	259.79	
2 8 1930	2.43	449.07					
18 9 1930	2.74	551.82		25 10 1934	1.76	257.50	
20 9 1930	2.36	424.89		10 11 1934	2.17	369.36	
18 10 1930	2.05	334.32		9 12 1934	2.21	381.09	
20 10 1930	1.67	230.06		14 12 1934	1.68	232.66	
25 11 1930	2.59	499.24		27 12 1934	2.01	321.58	
13 12 1930	1.82	272.92		1 2 1935	1.56	207.84	
28 12 1930	2.28	401.33		10 4 1935	2.36	426.80	
26 2 1931	1.60	214.09					
15 6 1931	2.36	424.89		9 10 1935	2.48	463.87	
27 7 1931	1.98	313.22		4 11 1935	1.72	246.96	
20 8 1931	2.51	473.85		17 11 1935	1.77	258.27	
				26 12 1935	1.52	198.61	
				9 1 1936	2.20	378.37	
3 11 1931	1.52	198.61					
24 11 1931	2.33	417.28		12 1 1937	2.27	399.47	
26 11 1931	1.62	219.15		18 1 1937	1.53	201.67	
4 12 1931	1.52	198.61		22 1 1937	2.63	512.68	
13 1 1932	1.98	313.22		24 1 1937	4.12	1134.00	
15 1 1932	2.59	499.24		4 2 1937	1.87	284.74	
16 1 1932	2.36	424.89		10 4 1937	2.35	423.94	
16 5 1932	1.82	272.92					
26 5 1932	1.52	198.61		24 12 1937	1.67	230.71	
				21 1 1938	1.67	230.71	
9 10 1932	2.36	424.89		25 1 1938	1.70	241.02	
10 10 1932	1.77	259.79		31 1 1938	1.75	253.72	
15 10 1932	2.28	401.33		8 7 1938	1.63	221.06	
4 11 1932	2.05	334.32					
17 12 1932	2.89	606.77		4 10 1938	2.20	376.56	
18 12 1932	2.36	424.89		13 11 1938	1.78	260.55	
19 12 1932	1.88	286.34		18 11 1938	1.99	317.39	
3 1 1933	2.51	473.85		12 12 1938	1.53	201.06	

12001

DEE AT CAIRNTON

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
16 12 1938	2.40	439.33		17 9 1950	1.60	214.09	
21 2 1939	1.80	267.48		26 9 1950	2.23	386.56	
3 3 1939	2.07	339.47		10 12 1950	1.65	225.54	
10 10 1939	2.48	462.87		22 1 1951	1.54	202.90	
11 10 1939	2.55	486.98		22 3 1951	1.75	253.72	
3 11 1939	1.64	223.61		6 11 1951	3.88	1020.00	8
1 12 1939	1.58	210.96		11 11 1951	2.12	354.27	
9 10 1940	2.01	213.50		7 3 1952	1.81	269.80	
30 10 1940	1.99	210.22		23 10 1952	1.90	292.75	
9 11 1940	2.37	299.84		6 11 1952	1.78	261.32	
16 12 1940	2.89	447.97		27 10 1953	1.63	222.33	
28 2 1941	2.12	239.22		3 12 1953	1.72	247.71	
12 4 1941	2.42	311.69		23 2 1954	1.89	290.34	
13 4 1941	2.24	267.18		22 3 1954	1.53	201.67	
24 5 1941	2.10	233.68		13 5 1954	1.54	203.51	
10 10 1941	2.17	250.50		18 10 1954	2.03	326.65	
11 11 1941	3.30	585.13		22 11 1954	2.13	356.03	
23 11 1941	2.00	212.84		25 11 1954	2.20	378.37	
27 11 1941	2.06	224.14		27 11 1954	2.27	396.69	
17 3 1942	2.18	253.36		30 11 1954	2.14	360.45	
11 12 1942	2.30	281.37		2 12 1954	1.58	210.96	
15 12 1942	2.13	240.61		4 12 1954	1.91	295.18	
16 12 1942	2.06	225.49		16 12 1954	2.31	411.62	
12 1 1943	1.64	223.61		18 12 1954	1.96	309.90	
12 2 1943	1.75	253.72		14 12 1955	2.06	335.17	
12 5 1943	1.61	217.25		28 12 1955	1.73	249.95	
20 10 1943	1.53	201.67		5 2 1956	1.52	198.61	
4 10 1944	1.94	302.50		1 3 1956	1.93	300.05	
11 10 1944	1.71	244.73		14 8 1956	2.46	458.91	
4 11 1944	1.78	261.32		4 9 1956	2.08	342.93	
17 11 1944	1.57	209.71		15 12 1956	1.95	306.60	
17 12 1944	2.28	401.33		31 12 1956	2.05	332.61	
7 2 1945	1.63	221.06		4 1 1957	1.54	202.90	
18 2 1945	1.85	280.78		3 2 1957	1.78	262.85	
19 2 1945	1.64	223.61		4 2 1957	1.84	276.05	
26 2 1945	1.52	198.61		15 8 1957	1.67	230.71	
22 9 1945	1.69	233.31		11 12 1957	1.87	284.74	
28 10 1945	2.22	382.91		20 12 1957	2.13	356.03	
19 12 1945	1.86	282.36		28 1 1958	2.03	328.35	
23 12 1945	2.29	404.12		11 2 1958	1.64	222.97	
24 12 1945	2.46	458.91		26 6 1958	2.01	323.27	
9 1 1946	1.56	207.84		28 7 1958	2.19	373.85	
19 3 1946	2.08	341.20		29 9 1958	1.58	210.96	
5 9 1946	2.17	367.57		4 10 1958	1.56	207.84	
20 11 1946	1.95	305.78		19 1 1959	1.62	218.51	
11 12 1946	2.06	336.03		NEXT 4 READINGS FROM 1924 INTAKE 200YDS U/S			
3 1 1947	1.92	296.80		19 11 1959	2.62	510.60	
11 1 1947	1.52	199.22		6 12 1959	2.49	465.86	
15 1 1947	2.31	411.62		9 12 1959	1.59	212.21	
7 4 1947	1.98	314.89		23 1 1960	2.26	394.84	
12 4 1947	1.56	207.22		3 2 1960	2.43	447.11	
16 4 1947	1.79	265.16		1 3 1960	1.97	311.56	
21 4 1947	2.04	330.05		25 8 1960	1.76	256.75	
21 11 1947	1.54	203.51		3 10 1960	1.75	253.72	
2 2 1948	2.60	505.42		23 10 1960	2.19	373.85	
1 4 1948	1.56	206.60		26 10 1960	1.79	265.16	
4 6 1948	1.69	234.61		1 11 1960	2.28	401.33	
7 6 1948	2.30	405.99		27 1 1961	1.56	207.84	
9 6 1948	1.88	288.74		22 10 1961	2.43	449.07	8
17 8 1948	2.92	618.05		24 10 1961	2.22	382.91	8
9 12 1948	1.81	269.80		15 1 1962	2.12	353.39	8
12 12 1948	2.20	376.56		31 1 1962	1.69	233.31	8
19 1 1949	1.77	258.27		12 2 1962	2.61	507.49	8
26 12 1949	1.97	311.56		30 9 1962	2.68	530.50	8
17 2 1950	2.02	324.96					

12001 DEE AT CAIRNTON

DATE	LEVEL	DISCHARGE	NOTE
14 12 1962	1.76	257.50	8
14 3 1963	2.27	396.69	8
2 9 1963	1.80	266.70	8
11 11 1963	1.36	168.00	
9 12 1964	1.60	214.09	8

DATE	LEVEL	DISCHARGE	NOTE
29 1 1966	1.63	222.33	
18 12 1966	2.61	507.49	8
30 1 1967	1.81	269.03	
6 5 1967	1.88	286.34	
2 11 1967	1.53	201.67	
22 12 1968	1.42	178.94	

15001 ISLA AT PORTER
 GRID REF N0187647 AREA 70.7 SQ.KM
 PERIOD OF RECORD 26 8 1947 TO 29 12 1969

DATE	LEVEL	DISCHARGE	NOTE
2 2 1948		43.60	
17 8 1948		37.51	
2 9 1948		27.60	
2 12 1948		31.14	
7 12 1948		34.82	
9 12 1948		39.63	
11 12 1948		53.79	
19 1 1949		31.85	
18 10 1949		48.13	
17 11 1949		30.43	
25 12 1949		42.46	
16 2 1950		39.07	
17 2 1950		41.05	
14 7 1950		39.63	
15 7 1950		25.48	
16 7 1950		26.19	
8 8 1950		35.39	
6 9 1950		54.36	
13 9 1950		28.31	
17 9 1950		39.07	
25 9 1950		62.28	
30 9 1950		26.89	
18 11 1950		40.48	
25 8 1951		26.61	
5 11 1951		71.34	
6 11 1951		43.60	
11 11 1951		32.56	
16 11 1951		30.57	
17 11 1951		30.57	
7 3 1952		54.64	
22 10 1952		43.88	
23 10 1952		40.20	
21 9 1953		28.31	
26 10 1953		36.52	
7 11 1953		28.31	
19 1 1954		36.52	
22 3 1954		29.44	
29 3 1954		31.14	
24 9 1954		26.89	
4 10 1954		27.74	
18 10 1954		36.80	
26 10 1954		31.14	
29 10 1954		25.20	
22 11 1954		49.54	
24 11 1954		62.28	
26 11 1954		59.45	
27 11 1954		43.88	
29 11 1954		46.99	
14 12 1955		43.88	

DC THRESHOLD 25.00 GRADE B CUMECs

DATE	LEVEL	DISCHARGE	NOTE
27 12 1955		46.71	
1 3 1956		29.16	
13 8 1956		53.79	
15 12 1956		25.20	
30 12 1956		43.88	
31 1 1957		29.73	
4 2 1957		42.46	
15 8 1957		39.35	
11 12 1957		25.48	
19 12 1957		39.35	
28 1 1958		45.01	
29 9 1958		46.71	
4 10 1958		38.78	
17 10 1959		31.14	
18 10 1959		26.89	
19 11 1959		75.87	
6 12 1959		58.88	
13 12 1959		26.89	
23 1 1960		26.33	
2 2 1960		25.48	
3 2 1960		44.73	
29 2 1960		36.80	
3 4 1960		29.16	
5 4 1960		38.22	
5 4 1960		28.03	
14 9 1960		33.97	
3 10 1960		33.97	
23 10 1960		31.14	
26 10 1960		28.31	
1 11 1960		37.37	
14 2 1961		25.20	
28 9 1961		27.46	
29 9 1961		33.97	
22 10 1961		45.01	
24 10 1961		45.30	
7 11 1961		32.56	
31 1 1962		31.14	
6 2 1962		26.33	
11 2 1962		45.01	
29 9 1962		99.08	
6 3 1963		35.39	
14 3 1963		39.63	
18 8 1964		45.30	
28 8 1964		31.14	
25 6 1965		25.48	
26 9 1965		46.71	
29 1 1966		31.14	
4 2 1966		36.52	

15001

ISLA AT FORTER

DATE	LEVEL	DISCHARGE	NOTE
5 10 1966		56.62	
17 12 1966		39.07	
29 1 1967		29.16	
27 2 1967		25.76	
4 9 1967		25.48	
26 9 1967		67.94	

DATE	LEVEL	DISCHARGE	NOTE
6 10 1967		27.18	
10 10 1968		31.14	
11 10 1968		30.86	
9 8 1969		26.89	

15002

NEWTON AT NEWTON

GRID REF NO230605 AREA 15.4 SQ.KM
 PERIOD OF RECORD 18 7 1949 TO 29 12 1969

DC THRESHOLD 3.70 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
18 10 1949		5.95	
17 11 1949		6.23	
21 11 1949		3.82	
25 12 1949		4.22	
16 2 1950		7.08	
17 2 1950		4.27	
14 7 1950		5.10	
8 8 1950		5.95	
6 9 1950		5.95	
13 9 1950		4.19	
16 9 1950		6.94	
25 9 1950		6.79	
30 9 1950		4.02	
18 11 1950		5.32	
29 8 1951		4.22	
5 11 1951		9.97	
11 11 1951		4.81	
14 11 1951		3.82	
16 11 1951		4.30	
17 11 1951		3.88	
7 3 1952		8.49	
22 10 1952		5.44	
20 9 1953		3.88	
22 2 1954		4.67	
22 3 1954		3.96	
29 3 1954		5.32	
24 9 1954		5.44	
5 10 1954		3.74	
18 10 1954		6.09	
26 10 1954		7.45	
29 10 1954		4.02	
22 11 1954		4.67	
25 11 1954		11.66	
26 11 1954		11.32	
27 11 1954		5.15	
29 11 1954		9.34	
16 12 1954		4.25	
14 12 1955		7.50	
27 12 1955		5.66	
1 3 1956		4.16	
13 8 1956		8.07	
6 9 1956		3.77	
15 12 1956		4.39	
30 12 1956		7.64	
3 1 1957		4.25	
31 1 1957		5.95	
4 2 1957		5.95	
7 2 1957		4.53	
15 8 1957		5.04	
11 12 1957		5.66	
19 12 1957		5.10	

DATE	LEVEL	DISCHARGE	NOTE
28 1 1958		7.02	
26 6 1958		3.96	
29 9 1958		5.95	
4 10 1958		5.80	
19 11 1959		13.11	
6 12 1959		9.63	
8 12 1959		4.76	
9 12 1959		5.10	
13 12 1959		4.67	
22 1 1960		5.38	
3 2 1960		7.50	
29 2 1960		6.23	
2 4 1960		4.19	
5 4 1960		6.09	
14 9 1960		5.61	
3 10 1960		5.75	
23 10 1960		6.09	
26 10 1960		5.24	
1 11 1960		6.00	
10 11 1960		5.10	
25 12 1960		3.82	
27 1 1961		6.51	
29 9 1961		4.39	
22 10 1961		5.52	
24 10 1961		5.66	
7 11 1961		4.19	
8 1 1962		3.91	
15 1 1962		6.00	
17 1 1962		4.53	
11 2 1962		5.61	
26 8 1962		3.96	
9 9 1962		4.22	
30 9 1962		14.58	
5 11 1962		4.25	
8 12 1962		6.94	
14 12 1962		3.79	
14 3 1963		10.19	
16 3 1963		5.10	
17 3 1963		6.37	
31 10 1963		4.95	
26 9 1965		6.79	
29 1 1966		4.81	
4 2 1966		5.66	
25 2 1966		4.76	
23 6 1966		3.82	
5 10 1966		10.62	
17 12 1966		4.95	
29 1 1967		4.22	
27 2 1967		4.81	
5 5 1967		4.22	

15002 NEWTON AT NEWTON

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
6 10 1967		4.25		11 10 1968		4.67	
9 10 1968		5.80		8 1 1969		5.24	

15003 TAY AT CAPUTH

GRID REF NO088395 AREA 3210. SQ. KM
 PERIOD OF RECORD 11 10 1951 TO 30 9 1970

DAFS THRESHOLD 480.00 GRADE A1 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 11 1951	4.26	1290.00		12 2 1961	2.32	483.78	
7 3 1952	2.62	582.20		14 2 1961	2.57	567.58	
29 10 1952	2.56	561.37		28 9 1961	3.23	811.77	
1 9 1953	2.43	520.85		30 9 1961	2.69	607.71	
7 11 1953	3.10	762.77		22 10 1961	2.56	561.37	
3 12 1953	3.10	762.77		24 10 1961	3.22	809.28	
19 1 1954	2.73	621.77		26 10 1961	2.65	592.77	
23 2 1954	2.86	669.40		8 11 1961	2.85	667.15	
29 5 1954	2.46	530.83		12 12 1961	3.01	724.68	
18 10 1954	3.29	836.85		15 1 1962	3.10	762.77	
27 10 1954	2.52	551.09		17 1 1962	2.55	559.30	
28 10 1954	2.37	499.22		31 1 1962	3.29	838.11	
22 11 1954	2.85	667.15		7 2 1962	2.52	551.09	
25 11 1954	3.26	824.26		12 2 1962	3.93	1126.00	
26 11 1954	3.47	914.41		16 2 1962	2.58	568.61	
30 11 1954	3.32	849.53		30 9 1962	2.86	669.40	
2 12 1954	3.35	862.32		1 10 1962	2.55	559.30	
4 12 1954	3.77	1051.00		7 3 1963	2.70	612.02	
16 12 1954	2.77	635.98		14 3 1963	2.69	608.79	
18 12 1954	2.77	635.98		16 3 1963	2.59	571.74	
21 12 1954	2.37	501.16		18 3 1963	2.47	532.84	
26 12 1954	2.34	491.46		21 10 1963	2.18	442.58	
14 12 1955	3.05	741.22		8 12 1964	2.55	559.30	
25 12 1955	2.52	551.09		7 1 1965	2.35	492.43	
28 12 1955	3.42	892.08		11 1 1965	2.77	638.18	
1 3 1956	2.80	647.02		26 9 1965	3.55	947.76	
15 12 1956	3.50	929.01		4 10 1965	2.81	652.58	
31 12 1956	2.92	692.16		31 10 1965	2.62	584.31	
4 1 1957	2.78	640.39		15 12 1965	2.46	530.83	
20 1 1957	2.38	503.11		29 1 1966	2.50	541.93	
26 1 1957	2.58	569.65		4 2 1966	2.36	498.24	
28 1 1957	2.66	598.08		27 2 1966	2.72	619.59	
31 1 1957	2.68	603.42		23 6 1966	2.39	506.05	
4 2 1957	3.09	759.16		6 10 1966	2.46	530.83	
8 2 1957	2.65	592.77		17 12 1966	3.93	1123.00	
12 12 1957	2.58	568.61		27 2 1967	2.81	652.58	
20 12 1957	3.16	787.08		3 3 1967	2.98	715.31	
22 12 1957	2.48	536.87		6 3 1967	3.52	934.35	
28 1 1958	2.55	560.33		7 3 1967	3.09	759.16	
6 9 1958	2.71	614.18		14 3 1967	2.37	499.22	
19 1 1959	2.65	594.89		14 10 1967	2.48	536.87	
19 11 1959	2.62	582.20		20 10 1967	2.62	582.20	
7 12 1959	3.06	744.79		26 10 1967	2.43	518.86	
8 12 1959	2.67	601.28		15 1 1968	2.68	603.42	
22 1 1960	2.64	589.59		27 3 1968	2.42	514.90	
3 2 1960	2.85	666.02		11 10 1968	2.83	658.16	
29 2 1960	2.38	502.14		20 10 1968	2.49	537.88	
14 9 1960	2.43	520.85		2 11 1969	2.84	660.13	
27 1 1961	2.63	586.42		21 1 1970	2.84	660.13	
10 2 1961	2.51	545.99					

19004

INZION AT LOCH OF LINTRATHEN

GRID REF NO280559 AREA 24.7 SQ. KM DC THRESHOLD 2.63 CUMECs GRADE B
 PERIOD OF RECORD 25 12 1950 TO 29 12 1969
 SIGNIFICANT GAPS 11 3 1951 TO 28 3 1951 13 8 1951 TO 18 9 1951 27 2 1954 TO 9 6 1954
 25 6 1956 TO 27 8 1956

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
22 1 1951		2.74		22 1 1960		6.10	
1 2 1951		4.53		SPIKE ON PEAK IGNORED			
4 2 1951		4.79		1 2 1960		3.29	
5 11 1951		10.17		2 2 1960		6.71	
TRUNCATED PEAK TAKEN FROM WATER YEAR BOOK				26 2 1960		5.47	
11 11 1951		7.79		29 2 1960		3.03	
15 11 1951		5.53		5 4 1960		3.10	
16 11 1951		4.89		4 10 1960		3.68	
18 11 1951		4.42		23 10 1960		8.47	
23 11 1951		3.00		26 10 1960		4.21	
7 3 1952		8.79		28 10 1960		3.55	
21 9 1953		2.97		1 11 1960		6.26	
14 12 1953		2.89		3 11 1960		2.74	
13 2 1954		4.10		27 1 1961		9.58	
23 2 1954		4.26		15 1 1962		7.63	
18 10 1954		4.37		17 1 1962		4.60	
26 10 1954		5.00		30 9 1962		3.29	
29 10 1954		3.26		7 3 1963		4.03	
23 11 1954		4.21		9 3 1963		6.84	
25 11 1954		9.31		14 3 1963		9.31	
26 11 1954		7.76		17 3 1963		6.97	
29 11 1954		6.18		12 11 1963		3.42	
16 12 1954		4.16		24 3 1964		3.24	
14 12 1955		5.53		26 9 1965		3.42	
22 3 1956		3.63		29 1 1966		2.89	
3 9 1956		2.76		4 2 1966		3.55	
6 9 1956		3.05		25 2 1966		6.13	
30 12 1956		5.26		22 4 1966		3.29	
1 1 1957		3.84		27 4 1966		2.97	
3 1 1957		3.50		11 5 1966		2.76	
5 1 1957		4.47		23 6 1966		4.21	
7 2 1957		4.05		5 10 1966		10.42	
11 12 1957		8.37		5 5 1967		3.76	
28 1 1958		4.26		26 9 1967		3.50	
30 3 1958		3.47		13 10 1967		2.76	
29 9 1958		3.42		1 11 1967		3.68	
30 9 1958		2.74		14 1 1968		2.89	
4 10 1958		4.42		10 10 1968		5.08	
15 12 1958		2.68		11 10 1968		5.58	
19 12 1958		3.16		21 12 1968		3.45	
18 11 1959		3.89		8 1 1969		6.13	
19 11 1959		5.26		10 1 1969		3.26	
8 12 1959		7.26		12 1 1969		5.13	
9 12 1959		6.00		18 1 1969		4.42	
13 12 1959		2.97		30 3 1969		3.63	
RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM							
1953-1954				1955-1956			

15004

INZION AT LOCH OF LINRATHEN

GRID REF NO280559 AREA 24.7 SQ.KM
 PERIOD OF RECORD 1 10 1926 TO 31 12 1969
 SIGNIFICANT GAPS
 1 10 1926 TO 1 1 1927 27 2 1954 TO

DC
 ANNUAL MAXIMA

GRADE B

9 6 1954 25 6 1956 TO 27 8 1956

DATE	LEVEL	DISCHARGE	NOTE
1 10 1926		2.95	
DUNDEE CORPORATION FLOOD LIST			
1 10 1927		9.03	
DATE NOT AVAILABLE			
1 10 1928		5.47	
POT LISTED SEPARATELY			
1 10 1929		9.09	
1 10 1930		5.58	
1 10 1931		7.90	
1 10 1932		6.57	
1 10 1933		3.91	
1 10 1934		6.46	
1 10 1935		5.10	
1 10 1936		4.73	
1 10 1937		6.51	
1 10 1938		6.83	
1 10 1939		8.30	
1 10 1940		5.10	
1 10 1941		6.37	
1 10 1942		5.72	
1 10 1943		3.57	
1 10 1944		6.91	
1 10 1945		6.97	
1 10 1946		10.48	

DATE	LEVEL	DISCHARGE	NOTE
1 10 1947		6.49	
1 10 1948		6.46	
17 9 1950		5.64	
FROM SWYB			
4 2 1951		4.79	
DATE FROM MICROFILM			
5 11 1951		10.17	
21 9 1953		2.97	
23 2 1954		4.28	
25 11 1954		9.32	
14 12 1955		5.52	
30 12 1956		5.27	
11 12 1957		8.35	
4 10 1958		4.42	
8 12 1959		7.25	
27 1 1961		9.57	
15 1 1962		7.62	
14 3 1963		9.32	
12 11 1963		3.43	
26 9 1965		3.43	
25 2 1966		6.12	
5 10 1966		10.42	
1 11 1967		3.68	
8 1 1969		6.12	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1950-1951 1953-1954 1955-1956

15005

MELGAM AT LOCH OF LINRATHEN

GRID REF NO275558 AREA 40.9 SQ.KM
 PERIOD OF RECORD 1 10 1926 TO 30 9 1967
 SIGNIFICANT GAPS
 1 10 1926 TO 31 12 1926 1 7 1953 TO

DC
 ANNUAL MAXIMA

GRADE B

30 11 1953 1 5 1961 TO 31 7 1961

DATE	LEVEL	DISCHARGE	NOTE
1 1 1927		10.13	
DATA LISTED BY DUNDEE CORPORATION			
1 10 1927		19.61	
DATE OF ANNUAL FLOOD NOT GIVEN			
1 10 1928		14.80	
1 10 1929		16.33	
1 10 1930		15.85	
1 10 1931		15.65	
1 10 1932		14.49	
1 10 1933		10.50	
1 10 1934		15.79	
1 10 1935		15.51	
1 10 1936		15.54	
1 10 1937		15.42	
1 10 1938		16.95	
1 10 1939		22.56	
1 10 1940		25.24	
1 10 1941		14.43	
1 10 1942		15.20	
1 10 1943		9.82	
1 10 1944		15.71	
1 10 1945		15.31	
1 10 1946		15.40	

DATE	LEVEL	DISCHARGE	NOTE
1 10 1947		15.40	
1 10 1948		15.71	
17 9 1950		15.17	
SURFACE WATER YEAR BOOK			
13 2 1951		9.31	
5 11 1951		15.79	
MICROFILM TRUNCATED PEAKS			
23 10 1952		10.27	
CHECKED AGAINST SWYB			
30 3 1954		14.52	
17 12 1954		9.68	
14 12 1955		18.42	
31 12 1956		16.33	
12 12 1957		17.09	
4 10 1958		10.36	
7 12 1959		20.57	
27 1 1961		21.42	
16 1 1962		16.70	
14 3 1963		21.06	
24 3 1964		9.48	
26 9 1965		10.22	
25 2 1966		12.23	
6 10 1966		18.42	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1927-1928 1953-1954 1954-1955

19006

TAY AT BALLATHIE

GRID REF NO147367 AREA 4890. 8Q.KM DAFS GRADE A1
 PERIOD OF RECORD 3 10 1952 TO 2 10 1970 THRESHOLD 575.30 CUMECs
 SIGNIFICANT GAPS 7 8 1955 TO 11 9 1955 1 5 1968 TO 8 5 1968

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
29 10 1952	3.13	607.02		14 2 1961	3.33	670.13	
7 11 1953	3.88	873.55		28 9 1961	3.85	860.35	
3 12 1953	4.09	941.36		30 9 1961	3.31	664.99	
19 1 1954	3.50	730.43		22 10 1961	3.35	677.37	
23 2 1954	3.94	897.86		24 10 1961	4.09	960.37	
29 5 1954	3.10	597.34		26 10 1961	3.32	667.04	
18 10 1954	4.48	1127.00		8 11 1961	3.75	821.45	
27 10 1954	3.41	698.31		12 12 1961	3.87	868.74	
29 10 1954	3.23	636.61		15 1 1962	4.27	1033.00	
22 11 1954	3.73	814.49		17 1 1962	3.56	752.32	
23 11 1954	3.50	730.43		31 1 1962	4.20	1004.00	
25 11 1954	4.57	1170.00		7 2 1962	3.29	656.81	
27 11 1954	4.92	1341.00		12 2 1962	5.07	1419.00	
30 11 1954	4.51	1141.00		16 2 1962	3.20	626.66	
2 12 1954	4.32	1058.00		30 9 1962	3.73	813.33	
4 12 1954	4.72	1243.00		7 3 1963	3.82	850.82	
16 12 1954	3.77	831.95		10 3 1963	3.38	687.80	
18 12 1954	3.65	785.87		14 3 1963	4.49	1134.00	
21 12 1954	3.04	578.25		18 3 1963	3.73	814.49	
26 12 1954	3.12	602.17		24 11 1963	2.84	516.95	
28 12 1954	3.13	607.02		8 12 1964	3.17	619.74	
14 12 1955	4.72	1243.00		7 1 1965	3.06	584.89	
26 12 1955	3.35	677.37		11 1 1965	3.62	774.59	
28 12 1955	4.61	1190.00		26 9 1965	4.49	1134.00	
1 3 1956	3.81	843.72		4 10 1965	3.55	746.81	
4 9 1956	3.16	613.85		31 10 1965	3.30	661.91	
15 12 1956	4.23	1018.00	9	15 12 1965	3.25	645.65	
31 12 1956	3.89	875.97	3	29 1 1966	3.46	716.41	
4 1 1957	3.75	822.61		4 2 1966	3.18	621.71	
20 1 1957	3.07	585.84		25 2 1966	3.26	646.66	
26 1 1957	3.20	626.66		28 2 1966	3.49	727.18	
28 1 1957	3.47	719.63		23 6 1966	3.53	741.33	
31 1 1957	3.64	781.35		6 10 1966	3.62	774.59	
4 2 1957	4.17	991.26		18 12 1966	4.79	1277.00	
8 2 1957	3.70	802.97		29 1 1967	3.22	633.62	
12 12 1957	4.10	961.65		27 2 1967	3.81	847.26	
20 12 1957	4.34	1065.00		3 3 1967	3.84	855.58	
28 1 1958	3.74	820.29		6 3 1967	4.41	1097.00	
19 1 1959	3.52	735.87		7 3 1967	3.89	877.17	
7 12 1959	4.53	1154.00		15 3 1967	3.10	595.41	
8 12 1959	3.95	902.77		14 10 1967	3.18	621.71	
17 12 1959	3.37	685.70		20 10 1967	3.24	640.62	
1 1 1960	3.08	589.66		15 1 1968	3.53	741.33	
22 1 1960	3.68	794.96		27 3 1968	3.10	595.41	
3 2 1960	4.37	1077.00		11 10 1968	3.73	815.65	
29 2 1960	3.51	732.60		20 10 1968	3.17	619.74	
5 4 1960	3.09	592.53		2 11 1969	3.47	717.97	
27 1 1961	3.83	852.01		21 1 1970	3.70	801.72	
10 2 1961	3.22	634.61					

15007

TAY AT PITNACREE

GRID REF NN924534

AREA 1150. SQ.KM

PERIOD OF RECORD 2 11 1951 TO 27 9 1970

DAPS

GRADE A1

THRESHOLD 210.00 CUMECs

SIGNIFICANT GAPS

23 1 1956 TO 27 1 1956 5 7 1958 TO 20 7 1958 8 2 1959 TO 15 2 1959

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 11 1951	2.71	488.50		20 12 1957	2.17	353.45	
7 12 1951	1.67	245.74		21 12 1957	1.98	310.45	
14 1 1952	1.70	251.94		28 1 1958	1.70	251.94	
7 3 1952	1.76	264.54		19 1 1959	1.63	237.76	
28 10 1952	2.13	344.96		19 11 1959	1.60	231.69	
1 9 1953	1.73	258.21		7 12 1959	1.77	266.45	
1 10 1953	1.61	233.50		8 12 1959	1.61	233.50	
27 10 1953	1.67	245.74		17 12 1959	1.53	221.51	
7 11 1953	2.28	380.85		31 12 1959	1.52	215.02	
11 11 1953	1.90	293.73		21 1 1960	1.73	258.21	
3 12 1953	2.01	317.24		2 2 1960	1.58	226.88	
19 1 1954	1.93	300.37		3 2 1960	1.72	255.07	
23 2 1954	1.88	290.43		5 4 1960	1.51	213.27	
29 5 1954	1.64	239.59		25 12 1960	1.53	216.79	
18 10 1954	2.20	362.73		27 1 1961	1.55	221.51	
23 10 1954	1.61	233.50		10 2 1961	1.60	231.69	
26 10 1954	1.64	239.59		13 7 1961	1.60	231.69	
11 11 1954	1.52	215.61		28 9 1961	1.79	270.92	
13 11 1954	1.52	215.61		24 10 1961	1.76	264.54	2
22 11 1954	1.58	227.48		12 12 1961	1.78	267.72	
25 11 1954	1.76	264.54		15 1 1962	2.18	356.30	
27 11 1954	2.19	359.15		31 1 1962	1.77	265.17	
30 11 1954	2.16	352.03		6 2 1962	1.52	215.61	
2 12 1954	2.36	399.31		12 2 1962	2.79	511.26	
4 12 1954	2.52	441.10		30 9 1962	1.72	255.70	
14 12 1954	1.82	277.36		14 3 1963	1.79	270.92	
16 12 1954	1.78	267.72		24 11 1963	1.42	196.01	
18 12 1954	1.91	295.71		8 12 1964	1.59	229.88	
21 12 1954	1.50	212.68		11 1 1965	1.64	239.59	
27 12 1954	1.82	277.36		26 9 1965	2.10	337.94	
14 12 1955	1.92	297.04	2	4 10 1965	1.55	221.51	
24 12 1955	1.52	215.61	2	31 10 1965	1.61	233.50	
28 12 1955	2.97	558.80	2	15 12 1965	1.53	218.56	
1 1 1956	1.58	227.48		30 1 1966	1.50	212.68	
20 1 1956	1.58	227.48		27 2 1966	1.74	259.47	
5 2 1956	1.64	239.59		17 12 1966	2.54	444.98	
1 3 1956	2.22	366.33		27 2 1967	1.79	270.92	
29 9 1956	1.69	248.83		6 3 1967	2.44	418.87	
5 12 1956	1.52	215.61		25 3 1967	1.53	221.51	
10 12 1956	1.52	215.61		8 10 1967	1.49	210.93	
12 12 1956	1.79	270.92		14 10 1967	1.57	225.09	
15 12 1956	2.70	485.28		26 10 1967	1.55	221.51	
31 12 1956	1.73	258.21		15 1 1968	1.84	281.26	2
4 1 1957	1.84	279.96		27 3 1968	1.64	239.59	
20 1 1957	1.84	279.96		11 10 1968	1.69	249.45	
26 1 1957	1.95	303.72		2 11 1969	1.87	286.17	
28 1 1957	2.19	359.15					
31 1 1957	1.76	264.54					
4 2 1957	2.28	380.85					
8 2 1957	1.85	283.87					
27 10 1957	1.66	243.89					
1 11 1957	1.52	215.02					
11 12 1957	1.53	216.79					

15008

DEAN AT COOKSTON

GRID REF N0340479

AREA 177.84 KM

DAPS

GRADE A2

PERIOD OF RECORD 1 10 1953 TO 30 9 1970

THRESHOLD 13.50 CUMECs

SIGNIFICANT GAPS

27 6 1957 TO 24 7 1957 10 9 1957 TO 25 9 1957

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
12 11 1953	1.11	15.53		26 2 1960	1.56	24.35	
3 12 1953	1.37	20.45		25 8 1960	1.12	15.75	
21 2 1954	1.25	18.20		3 10 1960	1.14	16.09	
6 3 1954	1.90	31.75		23 10 1960	2.10	36.44	
18 10 1954	1.73	28.04		28 10 1960	1.29	18.91	
26 10 1954	1.09	15.26		1 11 1960	2.06	35.38	
29 10 1954	1.34	19.85		27 1 1961	1.32	19.50	
16 11 1954	1.28	18.67		10 12 1961	1.64	26.08	
17 11 1954	2.22	39.19		7 3 1963	1.96	33.13	
TRUNCATED PEAK				9 3 1963	2.01	34.32	
26 11 1954	1.90	31.75		14 3 1963	1.49	22.84	
29 11 1954	1.67	26.73		18 3 1963	1.36	20.33	
9 12 1954	1.52	23.93		6 11 1963	1.16	16.43	
14 12 1955	1.70	27.38		12 11 1963	1.24	18.09	
5 2 1956	1.35	20.15		14 3 1964	1.40	21.06	
6 2 1956	1.08	14.98		24 3 1964	1.53	23.66	
13 8 1956	1.34	19.85		13 1 1965	1.00	13.63	
24 8 1956	1.05	14.43		26 9 1965	1.06	14.71	
3 9 1956	1.72	27.71		20 11 1965	1.01	13.84	
6 9 1956	1.82	30.05		26 1 1966	1.11	15.64	
28 12 1956	1.73	28.04		23 2 1966	1.15	16.37	
31 12 1956	1.38	20.76		25 2 1966	1.89	31.54	
3 1 1957	1.12	15.81		9 4 1966	1.32	19.50	
5 1 1957	1.03	14.16		23 6 1966	1.69	27.19	
31 1 1957	1.03	14.16		4 8 1966	1.66	26.47	
6 2 1957	1.28	18.67		9 8 1966	1.03	14.16	
14 2 1957	1.56	24.48		6 10 1966	1.92	32.09	
3 3 1957	1.03	14.16		12 12 1966	1.04	14.27	
11 12 1957	2.53	46.85		23 1 1967	1.03	14.06	
11 2 1958	1.06	14.71		25 1 1967	1.63	25.95	
30 3 1958	2.13	37.02		27 2 1967	1.04	14.33	
26 6 1958	1.31	19.44		5 5 1968	1.42	21.95	
28 7 1958	1.54	24.03		11 10 1968	1.61	25.44	
4 10 1958	1.40	21.06		7 1 1969	1.32	19.44	
12 12 1958	1.42	21.49		12 1 1969	1.48	22.63	
14 12 1958	1.53	23.84		18 1 1969	1.36	20.23	
16 12 1958	1.04	14.33		28 5 1969	1.01	13.70	
19 12 1958	1.35	20.09		22 12 1969	1.53	23.65	
30 12 1958	1.08	15.09		15 1 1970	1.26	18.28	
18 1 1959	1.06	14.60		18 1 1970	1.69	27.02	
18 11 1959	1.21	17.51		19 1 1970	1.52	23.45	
19 11 1959	1.37	20.45		16 8 1970	1.05	14.41	
8 12 1959	1.41	21.30					
22 12 1959	1.29	18.97					
22 1 1960	1.62	25.69					
1 2 1960	1.41	21.36					

15808

ALMOND AT INTAKE

GRID REF NN758332

AREA 17.75 SQ. KM

NSHEB

GRADE C

PERIOD OF RECORD 2 5 1961 TO 5 1 1971

THRESHOLD 8.40 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
13 7 1961		10.50		19 10 1963		11.60	
8 8 1961		9.60		10 11 1963		9.60	
29 9 1961		17.20		24 11 1963		10.60	
11 12 1961		10.10		8 12 1964		11.60	
31 1 1962		11.60		10 1 1965		9.60	
9 9 1962		9.60		25 6 1965		10.60	
7 12 1962		10.60		6 8 1965		9.10	
21 4 1963		9.60		24 9 1965		8.70	

15808

ALMOND AT INTAKE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
		9.10		13 10 1967		8.50	
4 10 1965		8.50		25 10 1967		9.70	
15 12 1965		11.00		28 9 1968		8.50	
29 1 1966		13.20		11 10 1968		11.30	
4 2 1966		10.10		19 10 1968		10.70	
27 4 1966		10.10		22 12 1968		12.70	
15 6 1966		9.10		2 11 1969		9.60	
22 6 1966		10.10		14 12 1969		9.10	
6 10 1966		10.10		21 1 1970		9.60	
17 12 1966		14.30		15 8 1970		10.10	
29 1 1967		10.10		2 11 1970		9.60	
30 9 1967		18.40		24 11 1970		9.10	
6 10 1967							

15809

MUCKLE BURN AT EAST MILL

GRID REF NO223604 AREA 16.5 SQ.KM DC THRESHOLD 4.23 GRADE 8
 PERIOD OF RECORD 10 5 1949 TO 29 12 1969
 SIGNIFICANT GAPS 8 8 1949 TO 29 8 1949 9 2 1951 TO 19 3 1951 19 7 1954 TO 22 11 1954
 28 12 1955 TO 5 2 1956 6 9 1964 TO 21 9 1964

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
18 10 1949		6.51		27 10 1959		4.53	
17 11 1949		7.22		19 11 1959		9.91	
2 2 1950		4.90		7 12 1959		9.62	
16 2 1950		9.06		8 12 1959		6.79	
8 8 1950		5.94		22 1 1960		4.24	
6 9 1950		5.60		2 2 1960		8.49	
16 9 1950		9.06		3 2 1960		7.64	
17 9 1950		4.39		26 2 1960		5.09	
25 9 1950		5.09		27 2 1960		4.67	
18 11 1950		5.80		29 2 1960		6.65	
29 8 1951		5.32		2 4 1960		4.53	
5 11 1951		14.43		5 4 1960		6.37	
6 11 1951		9.06		14 9 1960		6.23	
11 11 1951		6.65		26 9 1960		4.95	
14 11 1951		5.09		23 10 1960		6.08	
16 11 1951		6.23		1 11 1960		6.79	
18 11 1951		5.09		10 11 1960		5.66	
7 3 1952		10.19		27 1 1961		10.90	
23 10 1952		3.91		30 9 1961		4.81	
23 2 1954		6.45		22 10 1961		4.53	
29 3 1954		6.93		24 10 1961		5.80	
23 11 1954		4.53		7 11 1961		4.75	
25 11 1954		10.19		8 1 1962		4.95	
26 11 1954		11.32		15 1 1962		9.91	
27 11 1954		9.34		17 1 1962		6.79	
29 11 1954		9.34		11 2 1962		5.66	
16 12 1954		4.81		30 9 1962		9.57	
6 8 1956		4.39		8 12 1962		4.67	
13 8 1956		11.04		8 3 1963		4.24	
15 12 1956		4.67		9 3 1963		5.66	
30 12 1956		9.34		14 3 1963		11.32	
31 1 1957		7.78		16 3 1963		4.53	
4 2 1957		6.23		17 3 1963		6.51	
7 2 1957		4.95		18 3 1963		5.80	
11 12 1957		7.78		24 3 1964		4.22	
28 1 1958		7.90		26 9 1965		6.79	
26 6 1958		4.81		29 1 1966		4.24	
29 9 1958		6.23		4 2 1966		5.94	
4 10 1958		4.53		25 2 1966		7.08	
				23 6 1966		4.53	
				5 10 1966		11.32	

19809

MUCKLE BURN AT EAST MILL

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 2 1967		4.53		15 1 1968		4.81	
5 5 1967		4.39					
26 9 1967		4.81		10 10 1968		4.53	
6 10 1967		4.30		11 10 1968		4.47	
				8 1 1969		5.09	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1950-1951 1953-1954 1954-1955

16001

BURN AT KINKELL BRIDGE

GRID REF NN932166 AREA 591. SQ.KM DAFS THRESHOLD 122.20 GRADE B CUMECs
 PERIOD OF RECORD 9 11 1948 TO 30 9 1970
 SIGNIFICANT GAPS 29 7 1951 TO 30 9 1951 16 10 1954 TO 27 10 1954

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
12 11 1948	2.25	172.37		28 9 1956	1.92	142.05	
2 12 1948	1.98	146.78		14 12 1956	2.43	192.01	
9 12 1948	2.19	166.61		15 12 1956	2.31	178.19	
11 12 1948	2.46	192.90		31 12 1956	1.74	125.38	
7 1 1949	2.01	149.58		4 1 1957	2.46	192.90	
19 1 1949	2.37	184.04		20 1 1957	2.03	151.82	
22 2 1949	2.42	188.46		23 1 1957	2.01	149.86	
8 8 1949	2.59	204.86		26 1 1957	2.10	158.04	
18 10 1949	2.34	181.11		28 1 1957	1.84	134.07	
4 11 1949	2.13	160.88	2	31 1 1957	2.03	151.82	
7 12 1949	2.16	163.74		3 2 1957	2.01	149.58	
25 12 1949	3.26	273.38		7 2 1957	2.02	150.98	
16 2 1950	3.35	283.05		8 3 1957	1.76	127.54	
6 9 1950	2.62	207.88		7 12 1957	1.79	129.71	
10 9 1950	1.82	132.98		12 12 1957	2.33	179.65	
17 1 1951	2.17	165.17	2	20 12 1957	2.47	193.20	
22 3 1951	2.13	160.88	2	22 12 1957	1.89	138.74	
5 11 1951	2.56	201.86		10 1 1958	1.94	143.16	
15 11 1951	1.82	132.98		28 1 1958	2.24	171.22	
16 11 1951	1.84	134.62		26 6 1958	1.82	132.98	9
7 12 1951	1.80	130.52	2	28 7 1958	2.33	179.65	
19 12 1951	2.14	162.31		15 8 1958	1.88	137.63	
23 12 1951	1.87	137.08		6 9 1958	2.33	179.65	
14 1 1952	2.04	152.39		29 9 1958	1.84	134.34	
7 3 1952	2.56	201.86		4 10 1958	1.88	138.46	
28 10 1952	1.73	124.31		1 1 1959	1.92	141.77	
7 11 1953	2.52	198.86		22 11 1959	1.85	135.71	
12 11 1953	1.82	132.43		13 12 1959	1.92	141.22	
3 12 1953	2.34	180.52		17 12 1959	2.06	154.64	
21 2 1954	1.88	138.46		31 12 1959	1.72	123.77	
23 2 1954	2.50	196.18		22 1 1960	1.98	146.78	
24 2 1954	1.76	127.54		2 2 1960	2.62	207.88	
29 3 1954	1.94	143.72		3 2 1960	2.02	150.98	
5 5 1954	1.73	124.84		27 2 1960	1.91	140.39	
28 5 1954	2.06	154.64		13 5 1960	2.19	166.61	
29 10 1954	1.77	128.08		25 8 1960	1.72	123.77	
25 11 1954	2.61	207.58		14 9 1960	2.31	178.19	
26 11 1954	2.56	201.86		1 11 1960	1.74	125.38	
29 11 1954	2.01	149.58		30 11 1960	2.03	151.26	
2 12 1954	2.27	174.40		3 12 1960	1.81	131.61	
4 12 1954	2.22	169.77		25 12 1960	2.06	154.08	
14 12 1954	2.22	169.49		12 1 1961	1.71	122.96	
16 12 1954	1.71	123.23		27 1 1961	2.71	217.59	
18 12 1954	1.73	124.84		5 2 1961	1.97	145.94	
29 1 1955	1.99	147.62		8 2 1961	1.93	142.33	
14 12 1955	2.70	216.37		13 7 1961	2.01	150.14	
24 12 1955	1.79	129.71		15 9 1961	1.99	148.18	
25 12 1955	1.74	125.92		28 9 1961	2.03	151.26	
28 12 1955	2.68	214.55		29 9 1961	1.87	136.81	
29 1 1956	1.82	132.98		24 10 1961	2.04	152.39	
13 8 1956	2.44	190.53		7 11 1961	1.98	147.06	
				12 12 1961	2.44	190.23	

16001 EARN AT KINKELL BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
15 1 1962	2.98	244.19		5 1 1966	2.13	141.46	
17 1 1962	1.98	147.34		29 1 1966	2.07	136.98	
11 2 1962	2.38	185.22		4 2 1966	2.05	135.25	
9 9 1962	2.30	176.73		25 2 1966	2.28	154.60	
8 12 1962	2.46	192.31		26 2 1966	1.93	125.45	
7 3 1963	2.16	163.74		23 6 1966	1.92	124.97	
9 3 1963	2.09	157.47		6 10 1966	2.48	170.88	
14 3 1963	2.63	209.09		17 12 1966	2.63	184.08	
18 3 1963	1.82	132.43		27 2 1967	2.68	188.89	
10 11 1963	2.12	141.21		5 3 1967	2.02	133.03	
11 11 1963	2.21	148.75		14 10 1967	2.48	171.14	
21 11 1963	1.98	129.84		25 10 1967	2.07	136.98	
24 11 1963	2.35	160.49		26 10 1967	2.12	141.21	
30 12 1963	1.90	123.27		15 1 1968	2.07	136.73	
8 12 1964	2.12	141.21		11 10 1968	2.84	202.68	
11 12 1964	2.44	168.01		19 10 1968	2.38	162.82	
10 1 1965	2.24	151.29		2 11 1969	2.32	157.19	
25 6 1965	2.10	139.71		22 12 1969	2.23	149.67	
4 8 1965	2.18	146.23		19 1 1970	2.37	161.41	
26 9 1965	2.62	183.01		1 2 1970	2.17	144.70	
1 11 1965	2.30	156.13		16 8 1970	1.93	125.26	
15 12 1965	2.04	134.75					

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
1954-1955

16002 EARN AT ABERUCHILL

GRID REF NN754216 AREA 177. SQ.KM DAPS ANNUAL MAXIMA GRADE B
PERIOD OF RECORD 1 10 1955 TO 30 9 1970

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
12 8 1956	1.43	46.68		24 11 1963	1.38	43.48	
15 12 1956	1.52	53.53		25 9 1965	1.69	67.75	
19 12 1957	1.44	47.34		29 1 1966	1.40	44.95	
4 10 1958	1.28	36.96		27 2 1967	1.64	63.65	
2 2 1960	1.56	56.94		13 10 1967	1.54	54.98	
27 1 1961	1.63	62.85		10 10 1968	1.65	64.19	
15 1 1962	1.79	77.96		21 1 1970	1.44	47.21	
14 3 1963	1.58	58.45					

16802 RUCHILL WATER AT CULTYBRAGGAN

GRID REF NN764202 AREA 99.5 SQ.KM NSHEB THRESHOLD 80.08 CUMECs GRADE C
PERIOD OF RECORD 1 6 1959 TO 30 11 1969
SIGNIFICANT GAPS 1 2 1960 TO 8 2 1960 23 8 1960 TO 25 8 1960

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
21 11 1959	1.91	88.92		12 12 1961	2.10	110.69	
12 12 1959	1.91	88.92		13 12 1961	1.95	93.62	
17 12 1959	1.94	92.60		15 1 1962	2.60	180.91	
21 1 1960	1.83	80.53		11 2 1962	2.05	104.83	
13 5 1960	2.65	189.18		9 9 1962	2.19	121.74	
14 9 1960	2.58	177.57		7 12 1962	2.46	159.53	
2 10 1960	1.84	81.79		7 3 1963	1.83	80.84	
30 11 1960	2.43	155.51		14 3 1963	2.35	143.34	
25 12 1960	2.01	100.55		21 11 1963	1.91	89.25	
27 1 1961	2.01	100.55		24 11 1963	1.89	87.27	
4 2 1961	1.90	87.60		30 12 1963	1.93	91.25	
7 2 1961	1.89	86.95		14 11 1964	1.92	89.92	
13 7 1961	2.04	103.75		8 12 1964	2.03	102.32	
15 9 1961	1.94	91.93		11 12 1964	2.41	152.42	
28 9 1961	1.85	82.43		10 1 1965	2.04	103.75	
29 9 1961	1.84	81.79		25 6 1965	2.24	128.87	
11 12 1961	1.88	85.32		4 8 1965	2.07	107.01	

14802 RUCHILL WATER AT CULTYBRAGGAN

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 9 1965	2.15	116.72	1	27 2 1967	2.45	157.73	
29 10 1965	1.83	80.53		13 10 1967	2.54	171.91	
1 11 1965	1.98	96.36		25 10 1967	2.05	104.47	
15 12 1965	1.86	83.71		15 1 1968	1.98	97.05	
5 1 1966	1.89	87.27	1				
29 1 1966	1.96	94.30	1	11 10 1968	2.98	246.20	1
4 2 1966	1.91	89.25	1	19 10 1968	2.50	165.43	
5 10 1966	2.31	138.29		2 11 1969	2.46	159.98	
17 12 1966	2.07	107.01	1				

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM 1959-1960

18001 ALLAN WATER AT KINBUCK

GRID REF NN792053 AREA 141.8 SQ. KM				DAFS THRESHOLD 49.90		GRADE B CUMECs	
PERIOD OF RECORD 23 7 1957 TO 4 4 1970							
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 12 1957	2.24	61.69		6 3 1963	2.31	65.28	
8 1 1958	2.10	54.36		9 3 1963	2.10	54.66	
26 6 1958	2.09	53.90		9 10 1963	2.09	54.05	
28 7 1958	2.84	97.60		10 11 1963	2.35	67.79	
6 9 1958	2.30	64.78		12 11 1963	2.21	60.25	
				21 11 1963	2.46	73.81	
15 12 1958	2.49	75.58		23 11 1963	2.25	62.17	
19 12 1958	2.11	54.96		30 12 1963	2.08	53.30	
26 10 1959	2.04	51.67		10 1 1965	2.54	59.94	
22 11 1959	2.05	51.82		25 9 1965	2.58	61.38	
13 12 1959	2.02	50.35					
17 12 1959	2.21	60.25		31 10 1965	2.44	55.93	
2 2 1960	2.14	56.34		14 12 1965	2.26	49.24	
				25 2 1966	2.43	55.70	
30 11 1960	2.13	55.88		23 6 1966	2.34	52.03	
3 12 1960	2.08	53.30					
25 12 1960	2.35	67.28		5 10 1966	2.42	55.23	
12 1 1961	2.35	67.79		17 12 1966	2.88	73.56	
8 2 1961	2.04	51.37		20 2 1967	2.24	48.69	
13 7 1961	2.28	63.80		27 2 1967	2.35	52.60	
7 11 1961	2.37	68.46		5 5 1968	2.42	55.00	
11 12 1961	2.52	77.55					
12 12 1961	2.13	55.88		11 10 1968	2.58	61.50	
5 1 1962	2.06	52.71		21 11 1968	2.34	52.26	
11 2 1962	2.75	91.64					
9 9 1962	2.62	83.05		2 11 1969	2.76	68.49	
11 9 1962	2.10	54.66		21 12 1969	2.50	58.06	
				22 2 1970	2.53	59.23	
8 12 1962	2.49	75.58					

18002 DEVON AT GLENOCHIL

GRID REF NS858960 AREA 181.8 SQ. KM				DAFS THRESHOLD 21.60		GRADE A1 CUMECs	
PERIOD OF RECORD 31 8 1956 TO 7 4 1970							
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
3 9 1956	2.11	24.24		22 12 1957	2.83	45.66	
14 12 1956	2.59	37.61		9 1 1958	2.25	27.81	
4 1 1957	2.69	41.00		28 7 1958	2.90	47.98	
23 1 1957	2.12	24.47		6 9 1958	2.39	31.78	
26 1 1957	2.37	31.09					
28 1 1957	2.20	26.59		15 12 1958	2.61	38.47	
7 2 1957	2.13	24.70		19 12 1958	2.34	30.40	
				30 12 1958	2.08	23.48	
5 11 1957	2.14	25.09		1 1 1959	2.19	26.27	
8 12 1957	2.03	22.14					
11 12 1957	2.70	41.10		14 11 1959	2.64	39.33	
20 12 1957	2.45	33.37		29 12 1959	2.11	24.24	
				1 1 1960	2.10	23.94	

18002

DEVON AT GLENOCHIL

DATE	LEVEL	DISCHARGE	NOTE
22 1 1960	2.40	32.13	
31 1 1960	2.22	27.07	
2 2 1960	2.37	31.26	
4 2 1960	2.17	25.80	
28 8 1960	2.07	23.33	

FROM SURFACE WATER YEAR BOOK

30 10 1960	2.02	22.00	
1 11 1960	2.02	21.92	
1 12 1960	2.40	31.96	
3 12 1960	2.27	28.38	
25 12 1960	2.21	26.75	
12 1 1961	2.32	29.80	
5 2 1961	2.44	33.10	
8 2 1961	2.29	29.05	
4 12 1961	2.02	22.07	
11 12 1961	3.20	58.87	
15 1 1962	2.45	33.64	
17 1 1962	2.50	35.09	
31 1 1962	2.14	24.94	
12 2 1962	3.33	64.04	
2 4 1962	2.03	22.29	
11 8 1962	2.12	24.47	
26 8 1962	2.13	24.86	
3 9 1962	2.33	30.14	
9 9 1962	3.17	58.05	
12 9 1962	2.38	31.61	
8 12 1962	2.31	29.55	
7 3 1963	2.21	26.75	
14 3 1963	2.40	32.13	
18 3 1963	2.65	39.53	
25 3 1963	2.09	23.78	
11 11 1963	2.57	37.14	
12 11 1963	2.84	45.87	
21 11 1963	2.94	49.27	
24 11 1963	2.96	50.03	
24 3 1964	2.08	23.48	
7 6 1964	2.04	22.44	

DATE	LEVEL	DISCHARGE	NOTE
10 1 1965	2.76	43.30	
13 1 1965	2.23	27.89	
16 1 1965	2.37	31.26	
23 1 1965	2.04	22.44	
27 3 1965	2.13	24.70	
26 9 1965	2.84	46.08	

1 11 1965	2.40	32.13	
9 12 1965	2.54	36.29	
15 12 1965	2.52	35.74	
5 1 1966	2.01	21.78	
4 2 1966	2.04	22.51	
5 2 1966	2.24	27.48	
25 2 1966	2.57	37.23	
16 6 1966	2.12	24.47	
23 6 1966	2.67	40.11	
14 8 1966	2.20	26.51	

6 10 1966	2.64	39.33	
18 12 1966	2.82	45.35	
19 12 1966	2.02	21.92	
27 2 1967	2.82	45.25	
3 3 1967	2.03	22.22	
4 3 1967	2.36	31.00	

7 10 1967	2.05	22.81	
9 10 1967	2.20	26.51	
25 10 1967	2.07	23.18	
15 1 1968	2.05	22.66	
5 5 1968	2.69	40.80	

11 10 1968	2.45	33.55	
31 10 1968	2.19	26.27	
12 1 1969	2.06	22.87	

2 11 1969	2.24	27.47	
22 11 1969	2.30	29.10	
14 12 1969	2.15	25.12	
22 12 1969	2.92	48.52	
20 1 1970	2.24	27.47	
23 2 1970	2.31	29.37	

18003

TEITH AT BRIDGE OF TEITH

GRID REF NN725011 AREA 518. SQ. KM
 PERIOD OF RECORD 11 6 1956 TO 4 4 1970

DAFS THRESHOLD 112.00 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
13 8 1956	1.61	127.84	
29 9 1956	1.56	117.97	
12 12 1956	1.59	123.11	
14 12 1956	1.74	151.81	
15 12 1956	1.98	199.74	
3 1 1957	1.78	159.50	
5 1 1957	1.92	186.43	
25 1 1957	1.74	151.81	
29 1 1957	1.58	122.07	
5 2 1957	1.58	122.07	
8 2 1957	1.63	129.98	
20 12 1957	2.05	217.09	
8 1 1958	1.63	131.59	
10 1 1958	1.72	147.18	
28 1 1958	2.01	206.59	
4 10 1958	1.50	108.52	
26 10 1959	1.54	114.94	
17 12 1959	1.57	120.52	
31 12 1959	1.70	143.76	
23 1 1960	1.57	120.52	
3 2 1960	2.02	210.06	

DATE	LEVEL	DISCHARGE	NOTE
13 5 1960	1.56	117.97	
30 11 1960	1.94	192.36	
3 12 1960	1.85	173.62	
25 12 1960	1.61	127.84	
12 1 1961	1.55	116.95	
9 2 1961	1.73	149.49	
8 5 1961	1.59	123.63	
14 9 1961	1.58	122.59	
28 9 1961	1.85	171.74	
30 9 1961	1.74	151.81	
24 10 1961	1.62	128.91	
7 11 1961	1.55	116.95	
13 12 1961	2.23	259.62	
17 1 1962	1.76	155.34	
31 1 1962	1.78	158.31	
7 2 1962	1.59	123.63	
12 2 1962	2.00	205.21	
9 9 1962	1.88	179.96	
7 12 1962	1.68	139.82	
15 3 1963	1.63	131.59	
9 10 1963	1.57	121.04	

18003

TEITH AT BRIDGE OF TEITH

DATE	LEVEL	DISCHARGE	NOTE
11 11 1963	1.55	116.95	
30 12 1963	1.54	114.94	
5 5 1964	1.53	112.94	
8 12 1964	1.67	137.05	
11 12 1964	1.82	167.40	
10 1 1965	1.81	164.34	
25 6 1965	1.69	140.94	
25 9 1965	1.90	183.18	
4 10 1965	1.58	122.07	
29 10 1965	1.70	142.63	
31 10 1965	1.88	179.96	
15 12 1965	1.70	144.33	
4 2 1966	1.61	126.78	
27 2 1966	1.70	142.63	

DATE	LEVEL	DISCHARGE	NOTE
5 10 1966	1.69	141.50	
17 12 1966	2.16	242.71	
19 12 1966	1.77	156.52	
27 2 1967	2.01	206.59	
5 3 1967	1.72	146.61	
7 10 1967	1.81	164.95	
9 10 1967	1.64	133.22	
13 10 1967	1.68	139.27	
26 10 1967	1.86	174.25	
14 1 1968	1.52	112.45	
11 10 1968	2.03	210.76	
19 10 1968	1.57	120.01	
2 11 1969	1.88	177.92	
19 1 1970	1.56	117.87	

19001

ALMOND AT CRAIGIE HALL

GRID REF NT165752 AREA 369. SQ. KM
 PERIOD OF RECORD 31 8 1956 TO 30 9 1970

DAPS THRESHOLD 56.50 GRADE A1 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
3 9 1956	2.47	88.67	
14 12 1956	2.48	89.09	
22 1 1957	2.57	95.38	
5 11 1957	2.67	102.10	
7 12 1957	2.93	121.86	
20 12 1957	2.00	59.64	
8 1 1958	2.61	98.39	
28 7 1958	3.41	162.41	
30 7 1958	2.31	77.68	
1 8 1958	1.96	57.43	
6 9 1958	2.75	108.13	
24 9 1958	2.03	60.84	
12 12 1958	2.10	65.40	
19 12 1958	2.06	62.93	
14 11 1959	2.07	63.28	
31 1 1960	2.15	68.11	
28 2 1960	2.44	86.63	
30 11 1960	2.06	63.10	
4 12 1960	2.26	75.00	
25 12 1960	2.48	89.29	
12 1 1961	2.19	70.68	
6 2 1961	1.97	57.94	
5 4 1961	2.66	101.88	
8 8 1961	2.90	119.71	
4 12 1961	1.99	58.95	
10 12 1961	2.96	124.75	
15 1 1962	2.10	64.87	
11 2 1962	2.69	103.65	
26 8 1962	2.33	79.04	
9 9 1962	3.16	141.20	
12 9 1962	3.41	162.41	
8 12 1962	2.54	93.47	
5 3 1963	2.89	119.00	
1 9 1963	2.56	94.74	

DATE	LEVEL	DISCHARGE	NOTE
10 11 1963	2.46	88.06	
18 11 1963	2.66	101.44	
22 11 1963	2.95	123.78	
24 11 1963	2.79	111.55	
7 12 1964	2.20	71.42	
11 12 1964	2.07	63.45	
10 1 1965	2.81	113.16	
26 3 1965	2.36	81.01	
29 7 1965	2.60	97.53	
18 9 1965	2.27	75.19	
25 9 1965	3.13	138.64	
31 10 1965	2.63	99.69	
1 11 1965	2.05	62.05	
19 11 1965	2.02	60.32	
9 12 1965	2.56	94.32	
5 2 1966	2.25	74.24	
23 6 1966	2.49	89.50	
13 8 1966	3.27	150.31	
6 10 1966	2.45	86.83	
17 12 1966	2.13	66.84	
19 12 1966	2.54	93.26	
1 3 1967	2.03	61.18	
7 10 1967	2.19	70.49	
9 10 1967	2.69	103.87	
2 11 1967	2.75	108.35	
22 12 1967	2.84	115.01	
16 1 1968	2.06	62.57	
1 4 1968	2.13	67.20	
5 5 1968	3.05	131.61	
13 9 1968	2.42	85.20	
31 10 1968	2.67	102.76	
23 11 1969	3.58	177.68	
21 2 1970	2.60	97.10	

19002

ALMOND AT ALMOND WEIR

 GRID REF NT004652
 PERIOD OF RECORD 9 6 1961 TO 30 9 1970

 AREA 43.8 SQ.KM
 30 9 1970

 LRPB THRESHOLD 8.90
 GRADE B CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
8 8 1961	1.06	12.51	4	29 7 1965	1.00	11.36	
24 11 1961	0.87	9.20		17 9 1965	1.07	12.67	
4 12 1961	0.96	10.63	8	26 9 1965	1.28	16.58	
11 12 1961	1.06	12.51		31 10 1965	1.06	12.51	
15 1 1962	0.91	9.85		9 12 1965	1.13	13.80	
11 2 1962	1.20	15.08		5 2 1966	0.95	10.52	
3 4 1962	0.85	8.95		22 4 1966	0.89	9.50	
26 8 1962	1.01	11.63		23 6 1966	1.12	13.52	
9 9 1962	1.19	14.84		13 8 1966	1.22	15.56	
11 9 1962	1.20	15.08		5 10 1966	1.04	12.12	
24 11 1962	1.06	12.51		12 11 1966	0.89	9.60	
8 12 1962	1.20	15.08		17 12 1966	0.99	11.20	
5 3 1963	1.18	14.79		19 12 1966	1.03	11.90	
9 10 1963	0.96	10.63		1 3 1967	0.86	9.10	
21 10 1963	0.89	9.55		2 10 1967	0.86	9.00	
10 11 1963	1.09	13.06		7 10 1967	1.03	11.96	
18 11 1963	1.08	12.78		9 10 1967	1.26	16.28	
21 11 1963	1.21	15.38		2 11 1967	0.98	11.05	
23 11 1963	1.18	14.79		22 12 1967	0.96	10.73	
7 12 1964	0.97	10.94		5 5 1968	1.38	18.77	4
11 12 1964	0.97	10.89		12 9 1968	0.94	10.37	
9 1 1965	0.88	9.35		1 11 1968	0.90	9.70	
10 1 1965	1.28	16.64		2 11 1969	0.81	10.06	
13 1 1965	0.94	10.31		22 11 1969	1.42	24.27	4
16 1 1965	0.95	10.52		22 2 1970	1.06	15.30	
26 3 1965	1.02	11.69					

19003

BREICH WATER AT BREICH WEIR

 GRID REF NT014639
 PERIOD OF RECORD 28 6 1961 TO 30 9 1970

 AREA 51.8 SQ.KM
 30 9 1970

 LRPB THRESHOLD 11.40
 GRADE B CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
8 8 1961	1.21	19.86	4	31 10 1965	1.09	16.85	
5 12 1961	0.94	13.35		1 11 1965	0.92	13.01	
10 12 1961	1.03	15.41	6	9 12 1965	1.25	20.88	
15 1 1962	0.93	13.14		5 2 1966	1.00	14.71	
12 2 1962	1.05	15.77		22 4 1966	0.92	12.95	
26 8 1962	1.14	17.96	4	22 6 1966	0.98	14.16	
4 9 1962	0.95	13.55		23 6 1966	1.14	17.96	
9 9 1962	1.20	19.48	4	13 8 1966	1.37	23.87	
11 9 1962	1.16	18.56		4 9 1966	0.89	12.22	
23 11 1962	0.93	13.21		5 10 1966	1.29	21.75	
8 12 1962	1.11	17.37	4	17 12 1966	0.94	13.35	
5 3 1963	1.20	19.48		19 12 1966	1.05	15.84	
1 9 1963	0.94	13.35		3 10 1967	0.90	12.55	
10 11 1963	0.97	14.02		7 10 1967	0.92	12.95	
12 11 1963	0.86	11.58		9 10 1967	1.17	18.79	
18 11 1963	1.16	18.49		1 11 1967	1.15	18.34	
21 11 1963	1.20	19.48		22 12 1967	1.37	23.95	
23 11 1963	1.15	18.18		16 1 1968	0.94	13.41	
6 12 1964	0.99	14.37		1 4 1968	0.91	12.75	
11 12 1964	0.99	14.57		5 5 1968	1.28	21.43	
10 1 1965	1.13	17.74		12 9 1968	1.06	16.13	
16 1 1965	0.90	12.55		31 10 1968	1.04	15.70	
26 3 1965	1.06	15.98		22 12 1968	0.86	11.71	
16 4 1965	0.91	12.68		22 11 1969	1.37	23.83	
29 7 1965	1.10	16.93		21 2 1970	1.27	21.17	
17 9 1965	0.87	11.90					
25 9 1965	1.22	20.10					

19004 NORTH ESK AT DALMORE WEIR
 GRID REF NT252616 AREA 81.6 SQ.KM
 PERIOD OF RECORD 28 3 1961 TO 30 9 1970

LRPB THRESHOLD 9.65 GRADE C CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
8 8 1961	0.60	19.47		31 10 1965	0.59	18.76	
10 12 1961	0.56	17.36		9 12 1965	0.50	14.93	
11 2 1962	0.53	16.81		5 2 1966	0.51	15.33	
3 4 1962	0.38	9.99		16 6 1966	0.42	11.28	
3 8 1962	0.42	11.28		21 6 1966	0.51	15.33	
11 8 1962	0.39	10.33		23 6 1966	0.39	10.33	
26 8 1962	0.39	10.33		4 8 1966	0.43	11.77	
9 9 1962	0.51	15.33		13 8 1966	0.92	36.20	
11 9 1962	0.65	21.80		3 10 1966	0.46	12.88	
23 11 1962	0.49	14.28		19 12 1966	0.48	13.77	
5 3 1963	0.63	20.62		25 2 1967	0.43	12.75	
17 8 1963	0.60	19.47	2	1 3 1967	0.44	12.38	
1 9 1963	0.52	15.73		15 5 1967	0.41	11.16	
10 11 1963	0.41	11.04		15 8 1967	0.42	11.28	
12 11 1963	0.40	10.69		9 10 1967	0.53	16.13	
18 11 1963	0.53	16.95		1 11 1967	0.48	14.02	
21 11 1963	0.51	15.07		16 1 1968	0.42	11.52	
23 11 1963	0.61	19.75		1 4 1968	0.53	16.81	
7 10 1964	0.56	17.36		3 5 1968	0.39	10.22	
11 10 1964	0.42	11.28		5 5 1968	0.64	20.92	
7 12 1964	0.38	9.99		15 7 1968	0.46	13.13	
10 1 1965	0.51	15.33		12 9 1968	0.67	22.40	
26 3 1965	0.73	25.45		1 11 1968	0.63	20.62	
29 7 1965	0.64	21.06		22 11 1969	0.77	27.44	
18 9 1965	0.53	16.00		21 2 1970	0.53	15.85	
26 9 1965	0.56	17.50					

19005 ALMOND AT ALMONDELL
 GRID REF NT086686 AREA 229. 8Q.KM
 PERIOD OF RECORD 31 1 1962 TO 7 4 1970

LRPB THRESHOLD 43.00 GRADE B CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 2 1962	2.04	84.50		31 10 1965	1.94	75.16	
11 8 1962	1.52	43.05		1 11 1965	1.57	46.52	
26 8 1962	1.80	63.16		9 12 1965	1.93	74.89	
9 9 1962	2.30	111.49		5 2 1966	1.73	57.84	
11 9 1962	2.28	109.78		23 6 1966	1.81	63.91	
23 11 1962	1.64	51.23		13 8 1966	2.24	105.09	
8 12 1962	1.84	66.95		5 10 1966	1.86	68.23	
5 3 1963	2.10	90.47		17 12 1966	1.63	50.37	
1 9 1963	1.83	65.67		19 12 1966	1.83	65.93	
10 11 1963	1.70	55.74		15 8 1967	1.52	43.05	
18 11 1963	1.88	70.59		7 10 1967	1.61	49.06	
21 11 1963	1.98	78.77		9 10 1967	1.96	77.37	
23 11 1963	1.90	71.65		1 11 1967	2.00	80.75	
7 12 1964	1.66	52.56		22 12 1967	2.22	102.78	
11 12 1964	1.64	51.23		16 1 1968	1.55	44.67	
10 1 1965	2.03	85.98		1 4 1968	1.58	47.15	
16 1 1965	1.60	48.63		5 3 1968	2.02	82.47	
26 3 1965	1.76	59.99		12 9 1968	1.83	65.67	
29 7 1965	1.85	67.46		31 10 1968	1.82	65.17	
17 9 1965	1.76	60.23		22 11 1969	2.48	132.62	
26 9 1965	2.15	95.73		21 2 1970	1.92	73.24	

19006

WATER OF LEITH AT MURRAYFIELD

 GRID REF NT228732 AREA 107.8 SQ. KM
 PERIOD OF RECORD 25 5 1962 TO 31 12 1969

 LRPB THRESHOLD 12.10 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
9 9 1962	1.56	28.02		5 2 1966	1.28	18.21	
11 9 1962	2.02	49.17		16 6 1966	1.15	14.43	
23 11 1962	1.33	19.75		21 6 1966	1.44	23.46	
8 12 1962	1.08	12.46		23 6 1966	1.53	26.61	
5 3 1963	1.65	31.36		4 8 1966	1.18	15.27	
16 8 1963	1.58	28.62		13 8 1966	2.37	70.41	
1 9 1963	2.01	48.51		19 12 1966	1.28	18.12	
10 11 1963	1.49	25.12		25 2 1967	1.17	14.85	
18 11 1963	1.51	26.03		1 3 1967	1.16	14.60	
21 11 1963	1.70	33.70		16 5 1967	1.07	12.24	
23 11 1963	1.54	27.19		9 10 1967	1.17	15.02	
10 1 1965	1.47	24.34		1 11 1967	1.51	25.91	
26 3 1965	1.54	27.19		22 12 1967	1.63	30.85	
29 7 1965	1.66	32.00		16 1 1968	1.15	14.43	
18 9 1965	1.28	17.93		1 4 1968	1.14	14.19	
26 9 1965	1.75	36.01		5 5 1968	1.74	35.32	
1 10 1965	1.40	21.87		15 7 1968	1.32	19.46	
1 11 1965	1.49	25.12		12 9 1968	1.33	19.75	
19 11 1965	1.32	19.46		31 10 1968	1.70	33.70	
9 12 1965	1.34	20.05		22 11 1969	1.95	45.27	

19007

ESK AT MUSSELBURGH

 GRID REF NT339723 AREA 326. SQ. KM
 PERIOD OF RECORD 19 12 1961 TO 30 9 1970

 LRPB THRESHOLD 29.30 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 2 1962	1.36	46.97		5 2 1966	1.27	41.28	
9 9 1962	1.12	32.64		21 6 1966	1.08	30.31	
11 9 1962	1.87	86.79		4 8 1966	1.45	53.01	
23 11 1962	1.47	54.95		13 8 1966	2.61	164.73	
5 3 1963	1.66	69.27		3 10 1966	1.26	40.71	
17 8 1963	1.56	61.45		6 11 1966	1.19	36.48	
1 9 1963	1.56	61.45		19 12 1966	1.46	54.08	
10 11 1963	1.24	39.40		25 2 1967	1.31	43.59	
18 11 1963	1.59	63.77		1 3 1967	1.25	40.15	
21 11 1963	1.55	60.53		16 5 1967	1.35	46.77	
23 11 1963	1.76	77.02		9 10 1967	1.21	37.93	
7 10 1964	1.09	30.97		2 11 1967	1.31	43.98	
11 10 1964	1.16	34.89		16 1 1968	1.08	30.47	
10 1 1965	1.15	34.36		1 4 1968	1.48	55.61	
27 3 1965	1.67	69.51		3 5 1968	1.17	35.06	
29 7 1965	1.88	88.15		5 5 1968	1.92	91.19	
18 9 1965	1.62	66.13		16 7 1968	1.56	60.99	
26 9 1965	1.95	94.27		12 9 1968	1.35	46.16	
1 10 1965	1.30	43.01		1 11 1968	1.64	67.57	
1 11 1965	1.60	64.48		22 1 1969	1.07	29.82	
19 11 1965	1.09	30.97		22 11 1969	1.69	71.10	
9 12 1965	1.31	44.18		21 2 1970	1.19	36.20	

19008

SOUTH ESK AT PRESTONHOLM

 GRID REF NT325623 AREA 112. SQ. KM
 PERIOD OF RECORD 1 10 1963 TO 30 9 1970

 LRPB THRESHOLD 9.50 GRADE A2
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 11 1963	1.14	15.83		11 10 1964	0.91	10.57	
12 11 1963	0.90	10.51		26 3 1965	1.52	26.43	
18 11 1963	1.43	23.73		29 7 1965	1.48	25.21	
21 11 1963	1.15	16.06		18 9 1965	1.55	27.49	
24 11 1963	1.58	28.47					

19008

SOUTH ESK AT PRESTONHOLM

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 9 1963	1.66	31.17	4	16 5 1967	1.27	19.14	
				28 5 1967	1.03	13.29	
1 10 1965	1.14	15.75		2 11 1967	1.07	14.28	
1 11 1965	1.31	20.23		1 4 1968	1.22	18.01	
9 12 1965	1.24	18.33		3 5 1968	0.91	10.64	
5 2 1966	0.96	11.60		5 5 1968	1.46	24.74	
4 8 1966	1.17	16.67		15 7 1968	1.40	22.92	
13 8 1966	2.17	65.04		12 9 1968	0.91	10.70	
3 10 1966	0.97	11.86		1 11 1968	1.38	22.30	
1 11 1966	0.89	10.32		20 12 1968	0.93	11.53	
6 11 1966	1.10	14.86		22 1 1969	0.87	9.83	
19 12 1966	1.23	18.17		22 11 1969	1.01	12.69	
25 2 1967	1.26	19.06		21 2 1970	0.86	9.54	
27 2 1967	0.88	10.02		20 8 1970	1.08	14.30	
1 3 1967	1.18	16.82					
14 5 1967	0.88	10.02					

19802

NORTH ESK AT DALKEITH PALACE

GRID REF	NT333678	AREA	137. SQ.KM	LRPB	THRESHOLD	15.00	GRADE B	CUMECS	NOTE
PERIOD OF RECORD	27 6 1962 TO	6 10 1970							
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE		
3 8 1962	1.00	16.96		21 6 1966	1.17	27.92			
9 9 1962	1.16	27.24	2	24 6 1966	1.03	18.83			
11 9 1962	1.72	51.68	2	4 8 1966	1.13	24.83			
				13 8 1966	2.38	72.94			
23 11 1962	1.17	27.46	2	3 10 1966	1.12	24.19			
5 3 1963	1.37	40.60	2	6 11 1966	0.96	15.08			
10 11 1963	1.04	19.36		19 12 1966	1.16	27.24			
12 11 1963	1.01	17.29		25 2 1967	1.08	21.39			
18 11 1963	1.35	40.12		1 3 1967	1.06	20.64			
21 11 1963	1.37	40.60		16 5 1967	1.10	22.57			
23 11 1963	1.52	45.49		7 10 1967	0.98	16.00			
7 10 1964	1.21	31.02		9 10 1967	1.24	33.82			
11 10 1964	1.06	20.08		2 11 1967	1.12	24.40			
7 12 1964	0.97	15.23		17 1 1968	0.97	15.38			
10 1 1965	1.14	25.25		1 4 1968	1.23	32.53			
26 3 1965	1.52	45.40		3 5 1968	1.01	17.46			
29 7 1965	1.58	47.23		5 5 1968	1.62	48.58			
18 9 1965	1.21	31.27		16 7 1968	1.17	28.15			
26 9 1965	1.46	43.67		12 9 1968	1.37	40.79			
1 10 1965	1.12	24.19		1 11 1968	1.47	43.76			
1 11 1965	1.37	40.79		22 11 1969	1.70	50.97			
19 11 1965	1.02	17.79		21 2 1970	1.18	28.18			
9 12 1965	1.16	27.01							
5 2 1966	1.19	29.32							

20001

TYNE AT EAST LINTON

GRID REF	NT591768	AREA	307. SQ.KM	DAPS	THRESHOLD	23.00	GRADE A1	CUMECS	NOTE
PERIOD OF RECORD	23 12 1958 TO	30 9 1969							
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE		
7 12 1959	1.41	23.26		17 11 1962	2.02	48.32			
22 1 1960	1.43	24.62		23 11 1962	1.52	27.00			
31 1 1960	1.58	29.26		5 3 1963	2.13	54.16			
25 2 1960	1.49	25.90		7 3 1963	1.66	32.34			
1 11 1960	1.53	27.33		9 3 1963	1.47	25.36			
25 12 1960	1.57	29.03		17 8 1963	2.28	62.20			
				1 9 1963	2.51	75.43			
5 12 1961	1.41	23.26		10 11 1963	1.54	27.89			
11 12 1961	1.51	26.67		12 11 1963	1.46	25.04			
5 1 1962	1.62	30.90		18 11 1963	1.67	32.83			
8 1 1962	1.67	32.58		19 11 1963	1.57	29.03			
12 9 1962	1.85	40.19		21 11 1963	1.95	44.80			

20001

TYNE AT EAST LINTON

DATE	LEVEL	DISCHARGE	NOTE
23 11 1963	2.29	62.54	
28 11 1963	1.61	30.31	
14 3 1964	2.02	48.47	
11 10 1964	1.79	37.78	
29 7 1965	1.94	44.37	
4 9 1965	1.52	27.00	
18 9 1965	2.32	64.26	
26 9 1965	1.46	24.83	
1 10 1965	1.69	33.44	
19 11 1965	1.56	28.69	
4 8 1966	3.04	111.94	
14 8 1966	2.83	96.45	
3 10 1966	1.71	34.32	
2 11 1966	1.60	30.07	
6 11 1966	2.33	64.61	

DATE	LEVEL	DISCHARGE	NOTE
19 12 1966	1.81	38.71	
25 2 1967	1.49	26.12	
14 5 1967	1.45	24.62	
16 5 1967	2.37	66.88	
2 11 1967	2.19	57.05	
1 4 1968	1.45	24.51	
19 4 1968	1.69	33.44	
5 5 1968	2.20	57.38	
10 5 1968	1.49	26.01	
16 7 1968	2.42	69.91	
31 10 1968	2.11	53.06	
20 12 1968	1.47	25.07	
20 1 1969	1.49	25.78	
22 1 1969	1.63	30.99	
23 2 1969	1.57	28.70	

20002

PEPPER WEST AT LUFFNESS

GRID REF NT489811 AREA 26.2 SQ.KM
 PERIOD OF RECORD 27 10 1965 TO 30 9 1970

LRPB THRESHOLD 1.10 CUMECs GRADE A1

DATE	LEVEL	DISCHARGE	NOTE
12 11 1965	0.95	1.13	
20 11 1965	1.37	2.78	
20 2 1966	0.96	1.14	
4 8 1966	1.49	3.38	
14 8 1966	2.02	7.17	
6 11 1966	1.28	2.32	
19 12 1966	1.08	1.55	
28 12 1966	0.97	1.19	
23 2 1967	0.98	1.21	
16 5 1967	1.70	4.69	
15 8 1967	0.95	1.13	4
2 11 1967	1.41	3.32	
6 11 1967	0.97	1.83	
7 2 1968	0.80	1.34	

DATE	LEVEL	DISCHARGE	NOTE
19 4 1968	0.83	1.41	
3 5 1968	1.16	2.43	
6 5 1968	1.51	3.72	
11 5 1968	0.99	1.89	
16 7 1968	0.89	1.57	
31 10 1968	1.35	3.09	
21 1 1969	1.10	2.22	
22 1 1969	1.22	2.63	
22 2 1969	0.92	1.66	
14 3 1969	0.77	1.25	
20 3 1969	0.81	1.36	
22 11 1969	0.97	1.80	
19 2 1970	0.77	1.24	

20003

TYNE AT SPILMERSFORD

GRID REF NT456689 AREA 161. SQ.KM
 PERIOD OF RECORD 9 2 1962 TO 30 9 1970

LRPB THRESHOLD 14.00 CUMECs GRADE B

DATE	LEVEL	DISCHARGE	NOTE
11 9 1962	1.44	26.53	
17 11 1962	1.09	14.50	
23 11 1962	1.31	21.57	
5 3 1963	1.82	43.65	
7 3 1963	1.35	23.13	
9 3 1963	1.13	15.60	
17 8 1963	1.76	40.90	
1 9 1963	1.75	40.30	
18 11 1963	1.22	18.52	
21 11 1963	1.35	23.13	
23 11 1963	1.78	41.96	
28 11 1963	1.19	17.62	
14 3 1964	1.32	22.01	
11 10 1964	1.09	14.32	
26 3 1965	1.09	14.41	
24 7 1965	1.16	16.54	
29 7 1965	1.64	35.26	
4 9 1965	1.09	14.50	
18 9 1965	1.98	52.07	
26 9 1965	1.19	17.62	

DATE	LEVEL	DISCHARGE	NOTE
1 10 1965	1.18	17.32	
4 8 1966	2.68	98.56	
13 8 1966	2.44	80.88	
3 10 1966	1.32	22.01	
1 11 1966	1.30	21.14	
6 11 1966	1.63	34.84	
19 12 1966	1.39	24.74	
25 2 1967	1.21	18.11	
16 5 1967	1.60	33.67	
2 11 1967	1.78	41.65	
1 4 1968	1.08	14.06	
18 4 1968	1.30	21.25	
5 5 1968	1.63	34.84	
15 7 1968	2.15	62.33	
31 10 1968	1.50	28.88	
20 12 1968	1.08	14.14	
21 1 1969	1.16	16.54	
23 2 1969	1.10	14.77	
22 11 1969	1.16	16.41	
20 8 1970	1.24	19.01	

20801

BIRNS WATER AT SALTOUN HALL

GRID REF NT457678 AREA 93. SQ.KM
 PERIOD OF RECORD 9 2 1962 TO 30 9 1970

LRPB THRESHOLD 9.80 GRADE C
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 9 1962	1.27	17.62		1 10 1965	1.06	12.90	
23 11 1962	1.06	12.97		25 2 1966	0.91	9.87	
5 3 1963	1.46	22.63		4 8 1966	2.27	49.61	
7 3 1963	1.21	16.36		13 8 1966	1.95	37.97	
9 3 1963	1.02	12.00		3 10 1966	1.07	13.17	
28 6 1963	1.00	11.62		1 11 1966	1.18	15.64	
17 8 1963	1.57	25.91		6 11 1966	1.57	25.91	
31 8 1963	1.61	26.99		19 12 1966	1.23	16.80	
10 11 1963	0.92	9.99		25 2 1967	1.04	12.45	
12 11 1963	0.97	11.00		11 5 1967	0.93	10.22	
18 11 1963	0.99	11.50		16 5 1967	1.36	20.01	
21 11 1963	1.09	13.56		2 11 1967	1.65	28.09	
23 11 1963	1.46	22.63		18 4 1968	1.20	16.07	
28 11 1963	0.99	11.50		5 5 1968	1.34	19.38	
14 3 1964	1.12	14.24		15 7 1968	1.89	35.89	
11 10 1964	1.11	14.04		31 10 1968	1.26	17.39	
27 3 1965	1.03	12.19		22 11 1969	1.12	14.07	
24 7 1965	1.04	12.38		19 2 1970	0.97	10.90	
29 7 1965	1.46	22.71		21 2 1970	1.06	12.76	
4 9 1965	0.94	10.40		20 8 1970	1.53	19.10	
17 9 1965	1.71	29.96					
26 9 1965	1.01	11.75					

21001

FRUID WATER AT FRUID

GRID REF NT088228 AREA 23.7 SQ.KM
 PERIOD OF RECORD 1 10 1947 TO 30 9 1962

SESWB THRESHOLD 10.52 GRADE A2
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 2 1948		21.05		27 10 1952		11.44	
TRUNCATED PEAK ESTIMATED				28 10 1952		12.50	
31 3 1948		14.21		4 11 1952		13.16	
6 6 1948		14.08		25 5 1953		22.66	
12 8 1948		11.58		TRUNCATED PEAK TAKEN FROM WATER YEAR BOOK			
31 8 1948		12.37		16 7 1953		21.05	
15 9 1948		14.21		TRUNCATED PEAK ESTIMATED			
9 12 1948		11.18		1 9 1953		10.52	
11 12 1948		11.58		26 10 1953		12.10	
7 1 1949		20.67		26 11 1953		10.52	
TRUNCATED PEAK TAKEN FROM WATER YEAR BOOK				3 12 1953		13.94	
18 10 1949		21.05	4	18 1 1954		11.71	
25 10 1949		21.10		6 3 1954		20.47	
TRUNCATED PEAK TAKEN FROM WATER YEAR BOOK				TRUNCATED PEAK TAKEN FROM WATER YEAR BOOK			
25 12 1949		13.02		9 9 1954		11.44	
6 1 1950		12.63		15 10 1954		13.55	
15 2 1950		14.08		17 10 1954		13.02	
16 2 1950		11.18		18 10 1954		15.65	
18 3 1950		18.97		29 10 1954		24.67	
TRUNCATED PEAK TAKEN FROM WATER YEAR BOOK				TRUNCATED PEAK TAKEN FROM WATER YEAR BOOK			
4 9 1950		15.86		8 11 1954		13.58	
TAKEN FROM WATER YEAR BOOK				11 11 1954		10.92	
17 9 1950		10.66		24 11 1954		10.66	
16 10 1950		10.66		26 11 1954		12.50	
16 1 1951		16.71		27 11 1954		11.84	
TRUNCATED PEAK TAKEN FROM WATER YEAR BOOK				30 11 1954		11.58	
3 4 1951		11.97		2 12 1954		11.05	
2 5 1951		11.97		14 12 1954		11.84	
25 9 1951		10.92		28 8 1956		12.13	
5 11 1951		18.42		28 9 1956		13.02	
TRUNCATED PEAK ESTIMATED				14 12 1956		12.37	
16 11 1951		11.58		31 1 1957		12.10	
23 12 1951		11.18		26 10 1957		17.59	
27 12 1951		13.02					
7 3 1952		13.81					

21001

FRUID WATER AT FRUID

DATE	LEVEL	DISCHARGE	NOTE
19 12 1957		11.18	
29 9 1958		10.92	
19 12 1958		13.00	
19 1 1959		12.50	
26 10 1959		10.60	
13 11 1959		11.00	
20 11 1959		11.67	
21 1 1960		11.18	
22 1 1960		11.58	
2 2 1960		12.10	
2 2 1960		14.47	
26 2 1960		10.89	
14 9 1960		12.97	

DATE	LEVEL	DISCHARGE	NOTE
11 11 1960		11.44	
30 11 1960		19.10	
25 12 1960		13.73	
27 1 1961		11.60	
24 10 1961		12.50	
25 10 1961		10.66	
8 1 1962		11.47	
15 1 1962		28.94	
3 8 1962		19.89	
26 8 1962		15.58	
9 9 1962		15.63	
11 9 1962		10.92	
29 9 1962		16.69	

21002

WHITEADDER WATER AT HUNGRY SNOUT

GRID REF NT663633 AREA 45.6 SQ.KM
 PERIOD OF RECORD 30 12 1957 TO 16 6 1968

SESWB THRESHOLD 11.50 GRADE B CUMECs

DATE	LEVEL	DISCHARGE	NOTE
26 6 1958		15.79	
ALL PEAKS TRUNCATED-ESTIMATED			
28 7 1958		15.79	
15 12 1958		15.79	
19 12 1958		18.42	
19 11 1959		15.79	
22 1 1960		18.42	
27 2 1960		15.26	
9 10 1960		13.68	
22 10 1960		12.89	
1 11 1960		15.79	
6 1 1961		14.73	
8 8 1961		15.79	
4 12 1961		15.79	
5 1 1962		12.10	
8 1 1962		18.42	
15 1 1962		16.84	
29 9 1962		18.42	
24 11 1962		18.42	
7 3 1963		18.42	
9 3 1963		15.79	
28 6 1963		18.42	

DATE	LEVEL	DISCHARGE	NOTE
17 8 1963		21.05	
1 9 1963		26.31	
10 11 1963		21.05	
21 11 1963		11.58	
23 11 1963		18.42	
11 10 1964		15.79	
27 3 1965		18.42	
29 7 1965		15.79	
3 9 1965		13.16	
18 9 1965		23.68	
19 11 1965		12.63	
9 12 1965		14.73	
25 2 1966		13.16	
21 6 1966		12.10	
4 8 1966		63.14	
13 8 1966		31.57	
6 11 1966		16.84	
15 5 1967		21.05	
1 11 1967		18.42	
6 11 1967		11.58	
4 3 1968		13.16	

21003

TWEED AT PEEBLES

GRID REF NT257400 AREA 694. SQ.KM
 PERIOD OF RECORD 1 6 1939 TO 4 10 1970
 SIGNIFICANT GAPS 28 12 1940 TO 31 7 1948 3 8 1948 TO 16 10 1948

DAFS THRESHOLD 100.00 GRADE B CUMECs

DATE	LEVEL	DISCHARGE	NOTE
8 11 1939	2.36	153.68	
14 11 1939	1.89	103.90	
30 11 1939	1.98	112.18	
17 9 1940	1.90	104.51	
1 8 1948	3.81	660.88	
2 8 1948	2.59	180.96	
12 12 1948	2.13	128.83	
7 1 1949	4.32	1079.00	4
22 2 1949	2.04	118.48	
25 12 1949	2.77	204.81	

DATE	LEVEL	DISCHARGE	NOTE
29 12 1949	3.07	282.47	9
6 1 1950	2.06	120.39	
15 2 1950	2.54	175.37	
19 3 1950	2.77	204.42	
6 9 1950	2.17	132.46	
11 9 1950	1.90	104.51	
17 9 1950	2.11	126.54	
25 9 1950	2.76	203.24	
10 12 1950	2.04	119.12	
17 1 1951	3.07	283.60	
22 3 1951	1.98	112.18	
2 5 1951	1.96	110.94	

21003

TWEED AT PEEBLES

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 11 1951	2.90	222.73		11 12 1961	2.13	141.50	
27 12 1951	2.13	128.50		8 1 1962	1.92	119.15	
29 10 1952	1.71	86.67		14 1 1962	3.47	497.72	
12 11 1953	2.05	119.43		17 1 1962	1.84	111.88	
15 11 1953	2.02	116.58		12 2 1962	2.37	168.40	
3 12 1953	3.13	305.83		3 8 1962	2.16	145.17	
19 1 1954	2.24	140.19		26 8 1962	1.94	121.31	
20 1 1954	1.87	101.19		9 9 1962	2.03	131.07	
6 3 1954	2.38	156.51		12 9 1962	2.57	193.53	
7 3 1954	2.01	115.31		28 9 1962	1.95	122.24	
6 5 1954	1.88	103.00		24 11 1962	1.81	108.62	
9 9 1954	1.93	107.86		8 12 1962	2.38	170.19	
15 10 1954	2.31	148.09		5 3 1963	2.29	159.20	
17 10 1954	2.62	184.73		7 3 1963	1.90	117.93	
18 10 1954	2.81	209.96		14 3 1963	1.78	105.98	
29 10 1954	3.73	610.87		1 9 1963	2.17	146.17	
23 11 1954	2.10	124.91		21 10 1963	1.98	125.36	
27 11 1954	2.31	147.74		10 11 1963	1.92	119.15	
27 11 1954	2.57	179.47		12 11 1963	1.95	122.24	
30 11 1954	2.36	153.68		18 11 1963	2.73	213.39	
2 12 1954	2.48	168.02		21 11 1963	1.99	126.94	
14 12 1954	2.35	152.63		23 11 1963	2.56	191.25	
10 1 1955	1.99	113.75		7 10 1964	2.34	165.54	
1 3 1956	1.94	108.47		7 12 1964	2.20	148.88	
28 8 1956	2.92	228.56		8 12 1964	2.07	134.94	
14 12 1956	2.40	159.00		12 12 1964	1.85	112.48	
22 1 1957	2.06	120.71		10 1 1965	2.80	222.63	
7 2 1957	1.98	112.18		13 1 1965	1.73	101.37	
26 10 1957	1.91	105.42		27 3 1965	2.07	134.94	
7 12 1957	1.94	108.47		29 7 1965	2.06	134.29	
20 12 1957	1.96	110.63		26 9 1965	2.38	170.19	
8 1 1958	2.13	128.17		1 11 1965	1.98	125.36	
11 2 1958	2.00	115.00		9 12 1965	2.37	168.40	
28 7 1958	2.23	138.83		15 12 1965	1.75	103.37	
30 7 1958	2.18	133.46		25 2 1966	2.17	145.84	
19 12 1958	2.09	124.26		14 8 1966	2.78	220.60	
12 5 1959	1.86	100.90		4 9 1966	1.87	114.28	
14 11 1959	1.83	110.40		19 12 1966	1.88	115.80	
19 11 1959	1.77	104.82		25 2 1967	1.79	107.15	
20 11 1959	1.78	105.69		27 2 1967	2.63	200.05	
21 1 1960	2.00	127.57		FEB. PEAKS FROM DAFS			
22 1 1960	1.80	108.03		5 9 1967	1.75	103.37	
3 2 1960	2.11	139.19		1 10 1967	1.79	107.15	
26 2 1960	1.99	126.94		9 10 1967	2.48	181.88	
1 12 1960	2.58	193.91		2 11 1967	1.72	100.51	
4 12 1960	1.78	105.98		5 3 1968	1.77	104.82	
25 12 1960	2.14	142.50		1 4 1968	1.95	122.55	
8 8 1961	2.09	137.55		27 9 1968	1.80	107.45	
23 10 1961	1.87	114.89		31 10 1968	1.80	107.74	
24 10 1961	2.06	133.65		20 12 1968	1.75	102.55	
26 10 1961	1.93	120.69		22 11 1969	2.10	137.87	
4 12 1961	1.88	116.10		14 12 1969	1.95	122.17	
21 2 1970				21 2 1970	1.87	114.14	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1940-1941 1941-1942 1942-1943 1943-1944 1944-1945 1945-1946 1946-1947 1947-1948

21005

TWEED AT LYNE FORD

GRID REF NT206397 AREA 373. SQ.KM
 PERIOD OF RECORD 13 3 1961 TO 6 10 1969

TRPB THRESHOLD 64.40 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
8 8 1961	1.70	70.95		7 10 1964	2.13	105.28	
23 10 1961	1.63	65.39		7 12 1964	2.14	106.07	
24 10 1961	1.92	87.44		8 12 1964	1.97	91.90	
26 10 1961	1.78	76.68		12 12 1964	1.79	77.38	
11 12 1961	1.71	71.85		10 1 1965	2.46	135.30	
8 1 1962	1.79	77.85		26 9 1965	1.88	85.00	
15 1 1962	3.36	232.13		9 12 1965	1.91	87.20	
13 2 1962	1.92	87.44		15 12 1965	1.70	70.72	
3 8 1962	1.98	92.40		25 2 1966	2.12	104.75	
26 8 1962	1.67	68.71		14 8 1966	2.44	133.55	
9 9 1962	1.81	79.03		4 9 1966	1.74	73.45	
11 9 1962	2.17	109.27		27 2 1967	2.57	145.96	
30 9 1962	1.84	81.40		5 9 1967	1.65	67.15	
8 12 1962	2.34	124.40		1 10 1967	1.62	64.96	
5 3 1963	1.66	67.59		9 10 1967	2.24	114.68	
14 3 1963	1.66	67.59		5 3 1968	1.63	65.34	
1 9 1963	1.64	66.49		27 9 1968	1.70	70.44	
21 10 1963	1.74	73.91		20 10 1968	1.63	65.34	
10 11 1963	1.66	67.59		31 10 1968	1.63	65.34	
12 11 1963	1.72	72.08		20 12 1968	1.71	71.18	
18 11 1963	2.52	141.78		22 12 1968	1.64	66.06	
21 11 1963	1.63	65.39					
23 11 1963	2.01	94.93					

21006

TWEED AT BOLESIDE

GRID REF NT498334 AREA 1500. SQ.KM
 PERIOD OF RECORD 11 7 1961 TO 7 10 1969

TRPB THRESHOLD 240.00 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
8 8 1961	1.87	283.48		12 12 1964	1.72	241.46	
24 10 1961	1.73	245.52		10 1 1965	2.52	499.88	
26 10 1961	1.79	262.07		13 1 1965	1.75	249.61	
11 12 1961	1.85	279.13		27 3 1965	2.10	352.43	
8 1 1962	1.82	270.54		29 7 1965	2.04	333.35	
15 1 1962	2.92	658.30		26 9 1965	2.17	373.99	
12 2 1962	1.93	300.28		1 11 1965	1.76	253.73	
3 8 1962	1.77	255.39		9 12 1965	2.07	344.74	
26 8 1962	1.76	253.73		25 2 1966	2.27	410.57	
9 9 1962	1.98	314.78		13 8 1966	2.37	444.44	
12 9 1962	2.22	392.08		4 9 1966	1.95	305.68	
30 9 1962	1.79	262.07		19 12 1966	1.73	245.52	
8 12 1962	1.92	296.70		25 2 1967	1.73	245.52	
5 3 1963	2.52	499.88		27 2 1967	2.46	477.33	
14 3 1963	1.98	314.78		5 9 1967	1.76	253.73	
17 8 1963	1.88	287.85		1 10 1967	1.79	262.07	
1 9 1963	1.95	305.68		9 10 1967	2.35	434.78	
10 11 1963	1.98	314.78		5 3 1968	1.78	257.04	
12 11 1963	1.87	283.48		1 4 1968	1.75	248.91	
18 11 1963	2.45	470.67		12 9 1968	1.72	240.90	
21 11 1963	1.87	283.48		28 9 1968	1.73	243.55	
24 11 1963	2.43	466.25		31 10 1968	1.75	248.91	
7 10 1964	2.19	381.98		20 12 1968	1.95	305.46	
8 12 1964	2.10	352.43					

21007

ETTRICK WATER AT LINDEAN

GRID REF NT486315 AREA 499. SQ.KM
 PERIOD OF RECORD 29 9 1961 TO 7 10 1969

TRPB THRESHOLD 118.50 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
23 10 1961	1.55	119.41		8 12 1964	1.94	183.56	
26 10 1961	1.63	132.33		10 1 1965	2.24	240.82	
8 1 1962	1.70	142.91		13 1 1965	1.60	126.25	
15 1 1962	2.66	334.91		27 3 1965	1.67	138.05	
11 2 1962	1.59	125.33		29 7 1965	1.61	128.57	
3 8 1962	1.58	123.95		25 9 1965	1.67	138.05	2
11 8 1962	1.55	119.41		9 12 1965	1.70	142.91	2
26 8 1962	1.64	133.27		25 2 1966	2.13	219.31	
9 9 1962	1.85	168.41		13 8 1966	2.12	218.11	
11 9 1962	1.98	190.24		4 9 1966	1.85	167.36	
30 9 1962	1.63	130.91		27 2 1967	2.35	264.60	
8 12 1962	1.67	138.05		5 9 1967	1.66	135.65	
5 3 1963	2.32	258.72		1 10 1967	1.72	145.37	
14 3 1963	1.95	185.22		9 10 1967	2.20	232.58	
16 8 1963	1.60	126.25		14 10 1967	1.57	121.72	
1 9 1963	1.64	133.27		16 10 1967	1.65	133.91	
10 11 1963	1.63	131.38		5 3 1968	1.55	118.75	
12 11 1963	1.59	125.79		12 9 1968	1.64	132.35	
18 11 1963	2.20	234.57		27 9 1968	1.72	145.03	
24 11 1963	1.97	189.12		31 10 1968	1.75	149.93	
7 10 1964	2.02	198.76		20 12 1968	2.11	214.68	

21008

TEVIOT AT ORMISTON MILL

GRID REF NT702280 AREA 1110. SQ.KM
 PERIOD OF RECORD 1 10 1960 TO 6 10 1969

TRPB THRESHOLD 170.50 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 12 1960	2.20	180.35		30 9 1965	2.25	188.49	
26 12 1960	3.18	348.25		1 11 1965	2.30	195.39	
24 10 1961	2.14	172.80		20 11 1965	2.39	209.96	
9 1 1962	2.31	197.71		9 12 1965	2.28	192.61	
11 1 1962	2.52	231.39		5 2 1966	2.28	193.07	
16 1 1962	3.88	493.78		25 2 1966	2.83	283.28	
24 1 1962	2.46	221.55		14 8 1966	2.68	256.79	
12 9 1962	3.56	425.08		4 9 1966	2.77	272.36	
30 9 1962	2.30	195.39		20 12 1966	2.22	183.50	
24 11 1962	2.62	246.50		29 12 1966	2.45	219.11	
8 12 1962	2.48	223.99		25 2 1967	2.94	302.46	
6 3 1963	3.87	491.06		27 2 1967	3.55	421.88	
8 3 1963	2.25	188.49		11 5 1967	2.19	179.46	
9 3 1963	2.28	193.07		1 10 1967	2.19	179.46	
1 9 1963	2.30	195.39		7 10 1967	2.23	184.68	
11 11 1963	2.42	215.24		9 10 1967	2.89	293.17	
18 11 1963	3.50	412.36		17 10 1967	2.65	251.33	
21 11 1963	2.56	236.39		26 10 1967	2.16	174.42	
24 11 1963	3.49	409.20		2 11 1967	2.35	202.85	
7 10 1964	2.51	228.92		23 3 1968	2.80	277.17	
9 12 1964	2.95	305.25		13 9 1968	3.40	390.79	
11 1 1965	2.71	262.00		28 9 1968	2.23	184.68	
14 1 1965	2.51	228.92		1 11 1968	2.61	244.62	
30 7 1965	2.39	209.48		20 12 1968	3.55	421.69	
26 9 1965	2.37	207.11		22 1 1969	2.22	183.20	

21009

TWEED AT NORHAM

GRID REF NT898477 AREA 4390. SQ.KM
 PERIOD OF RECORD 17 6 1959 TO 5 10 1970

DAFS THRESHOLD 437.00 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
19 11 1959	2.61	459.06		7 10 1964	2.99	554.92	
22 1 1960	3.23	618.21		8 12 1964	2.98	553.33	
31 1 1960	2.84	516.51		9 12 1964	3.23	618.21	
3 2 1960	2.78	501.14		11 1 1965	3.64	733.84	
27 2 1960	3.56	711.86	2	14 1 1965	2.78	502.67	
28 2 1960	3.07	577.34		27 3 1965	3.24	620.70	
				29 7 1965	3.66	739.16	
1 12 1960	2.52	437.10		26 9 1965	3.21	614.08	
26 12 1960	3.59	720.62	2				
9 8 1961	2.71	485.19		1 11 1965	2.75	493.52	
				19 11 1965	3.29	635.70	
11 12 1961	2.68	477.67		9 12 1965	3.23	618.21	
9 1 1962	2.84	518.06	2	25 2 1966	4.01	843.83	
11 1 1962	2.58	452.43	2	14 8 1966	4.38	962.55	
16 1 1962	5.05	1187.00	2	4 9 1966	3.11	587.86	
10 9 1962	2.62	461.28					
12 9 1962	4.34	947.87	2	19 12 1966	3.07	577.34	
				25 2 1967	3.41	668.67	
24 11 1962	3.06	573.31	2	27 2 1967	4.32	941.05	
8 12 1962	2.66	471.68	2	11 5 1967	2.62	461.28	
6 3 1963	5.07	1192.00	2	16 5 1967	2.66	472.43	
7 3 1963	4.63	1042.00	2				
8 3 1963	2.99	555.72		9 10 1967	3.45	680.66	
9 3 1963	2.98	553.33		17 10 1967	3.05	570.90	
14 3 1963	2.70	482.93		2 11 1967	3.10	583.81	
17 8 1963	3.61	725.02		3 11 1967	2.74	491.25	
1 9 1963	3.92	817.85		23 3 1968	2.78	501.14	
				13 9 1968	3.36	655.06	
10 11 1963	3.43	675.51					
12 11 1963	2.64	466.47		31 10 1968	3.41	668.67	
18 11 1963	4.35	950.80		20 12 1968	3.93	819.70	
21 11 1963	3.10	585.43					
24 11 1963	4.84	1114.00		22 11 1969	3.54	704.37	
				22 12 1969	2.67	473.17	
				22 2 1970	2.68	475.62	

21010

TWEED AT DRYBURGH

GRID REF NT588320 AREA 2080. SQ.KM
 PERIOD OF RECORD 25 2 1949 TO 5 10 1970

DAFS THRESHOLD 260.00 GRADE A2
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 10 1949	3.21	754.21		29 10 1954	2.89	616.57	
25 12 1949	2.66	526.99		23 11 1954	2.07	327.85	
6 1 1950	1.85	268.15		28 11 1954	2.66	526.99	
15 2 1950	2.33	410.69		30 11 1954	1.94	290.44	
19 3 1950	2.80	579.86		2 12 1954	2.45	449.91	
6 9 1950	1.90	280.42		14 12 1954	2.40	434.21	
25 9 1950	2.75	561.95		10 1 1955	2.08	332.35	
22 11 1950	1.95	292.98		14 12 1955	2.01	310.16	
17 1 1951	3.15	726.89		1 3 1956	1.91	282.91	
22 3 1951	1.98	301.50		18 8 1956	2.07	327.85	
				28 8 1956	3.65	967.90	
5 11 1951	2.30	398.69					
17 11 1951	1.90	280.42		14 12 1956	2.15	353.46	
27 12 1951	1.95	292.98		31 12 1956	1.84	264.12	
				4 1 1957	2.05	323.38	
29 10 1952	1.84	264.12		22 1 1957	2.01	310.16	
4 11 1952	2.17	357.20		7 2 1957	1.96	297.22	
				15 8 1957	2.24	382.01	
12 11 1953	2.05	323.38					
3 12 1953	2.43	444.64		11 12 1957	1.96	297.22	
19 1 1954	2.10	336.88		8 1 1958	2.14	350.67	
6 3 1954	2.34	413.72		11 2 1958	2.25	383.95	
6 5 1954	1.87	272.21		28 7 1958	2.21	370.45	
18 8 1954	2.02	314.53		30 7 1958	2.11	340.53	
15 10 1954	2.14	350.67		19 12 1958	2.39	429.04	
18 10 1954	2.68	532.73		19 1 1959	1.95	292.98	

21010

TWEED AT DRYBURGH

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
14 11 1959	1.67	272.71		8 12 1964	2.02	373.91	
19 11 1959	1.87	329.30		12 12 1964	1.64	264.62	
22 1 1960	2.14	413.33		10 1 1965	2.74	638.66	
31 1 1960	1.92	344.76		13 1 1965	1.72	285.09	
3 2 1960	1.99	365.33		27 3 1965	2.40	505.01	
27 2 1960	2.19	430.71		29 7 1965	2.30	468.71	
1 12 1960	1.76	297.75		18 9 1965	1.74	290.12	
4 12 1960	1.65	266.23		26 9 1965	2.25	450.56	
26 12 1960	1.95	351.24		1 11 1965	1.81	310.70	
8 8 1961	2.20	434.85		19 11 1965	1.67	272.71	
24 10 1961	1.77	299.46		9 12 1965	2.25	450.56	
26 10 1961	1.85	323.93		25 2 1966	2.49	539.23	
5 12 1961	1.70	279.28		13 8 1966	2.63	591.50	
11 12 1961	1.98	360.60		4 9 1966	1.92	343.84	
8 1 1962	1.91	339.26		19 12 1966	1.92	342.01	
11 1 1962	1.71	283.42		25 2 1967	1.95	351.24	
15 1 1962	3.20	840.20		27 2 1967	2.57	567.43	
17 1 1962	1.79	306.35		5 9 1967	1.72	285.09	
11 2 1962	1.76	297.75		1 10 1967	1.75	293.50	
3 8 1962	1.76	297.75		9 10 1967	2.36	488.34	
26 8 1962	1.69	277.63		17 10 1967	1.73	287.60	
9 9 1962	1.89	333.81		1 11 1967	1.95	353.10	
12 9 1962	2.49	539.23		5 3 1968	1.88	331.10	
30 9 1962	1.80	307.22		19 3 1968	1.65	267.03	
24 11 1962	1.83	317.72		23 3 1968	1.64	264.62	
8 12 1962	1.81	312.44		1 4 1968	1.82	315.07	
5 3 1963	2.83	674.61		12 9 1968	1.98	360.60	
7 3 1963	2.57	568.62		28 9 1968	1.70	280.10	
9 3 1963	1.78	303.76		31 10 1968	1.95	352.17	
14 3 1963	1.99	365.33		20 12 1968	2.10	399.31	
17 8 1963	2.25	450.56		22 12 1968	1.75	294.35	
1 9 1963	2.40	503.89		22 11 1969	2.39	498.44	
10 11 1963	2.17	424.53		14 12 1969	1.79	303.99	
12 11 1963	1.89	333.81		21 12 1969	1.78	301.17	
18 11 1963	2.52	550.89		18 1 1970	1.72	284.51	
21 11 1963	1.92	342.01		1 2 1970	1.69	276.36	
23 11 1963	2.68	612.37		21 2 1970	1.99	363.32	
7 10 1964	2.06	387.48					

21011

YARROW AT PHILLIPHAUGH

GRID REF NT439277 AREA 233. SQ. KM
 PERIOD OF RECORD 28 8 1962 TO 7 10 1969

TRPB THRESHOLD 34.00 GRADE A1 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 9 1962	1.37	76.57		19 11 1965	0.94	36.35	
30 9 1962	1.11	50.38		9 12 1965	1.12	51.75	
8 12 1962	1.12	51.75		15 12 1965	0.97	38.75	
5 3 1963	1.40	79.21	7	25 2 1966	1.47	87.74	
14 3 1963	1.12	51.75		13 8 1966	1.41	80.22	
16 8 1963	1.14	53.14		5 9 1966	0.97	38.75	
30 8 1963	1.15	54.55		17 12 1966	0.96	38.27	
21 10 1963	0.93	35.88		27 2 1967	1.52	93.03	
10 11 1963	1.08	47.68		11 5 1967	0.94	36.35	
18 11 1963	1.40	79.21		5 9 1967	1.06	46.36	
24 11 1963	1.49	90.19		1 10 1967	1.02	42.48	
18 8 1964	0.95	36.83		9 10 1967	1.18	56.59	
6 10 1964	1.12	51.75		16 10 1967	1.04	44.07	
8 12 1964	1.23	61.82		1 11 1967	0.96	37.53	
11 12 1964	0.92	35.18		16 1 1968	0.92	34.44	
10 1 1965	1.60	102.16	2	5 3 1968	1.04	44.07	
27 3 1965	1.14	53.14	2	12 9 1968	1.00	40.74	
29 7 1965	1.09	49.02		27 9 1968	1.03	43.22	
26 9 1965	1.23	61.82		31 10 1968	1.04	44.07	
1 11 1965	1.08	47.68		20 12 1968	1.14	52.87	

21012 YEVLOT AT HAWICK

GRID REF NT522159 AREA 323. SQ.KM
 PERIOD OF RECORD 18 9 1963 TO 7 10 1969

TRPB THRESHOLD 98.00 GRADE A1 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 11 1963	1.90	123.08		5 2 1966	1.98	132.22	
18 11 1963	2.39	187.07		25 2 1966	2.16	155.46	
21 11 1963	1.84	116.00		13 8 1966	2.20	161.55	
23 11 1963	2.22	163.61		4 9 1966	2.25	167.76	
7 10 1964	2.56	213.46		25 2 1967	1.90	123.08	
7 12 1964	2.37	184.87		27 2 1967	2.51	205.09	
11 12 1964	1.76	107.43		1 8 1967	1.88	121.29	
29 12 1964	1.81	112.53		5 9 1967	1.74	105.42	
10 1 1965	2.14	153.45		1 10 1967	1.87	119.51	
13 1 1965	1.78	109.12		6 10 1967	1.73	103.29	
26 3 1965	1.69	99.83		9 10 1967	2.24	165.64	
29 7 1965	1.69	99.83		14 10 1967	1.71	101.14	
25 9 1965	1.96	130.74		16 10 1967	2.06	142.01	
51 10 1965	1.85	117.75		23 3 1968	1.86	117.83	
19 11 1965	1.79	110.82		11 10 1968	1.77	107.67	
9 12 1965	1.76	107.43		31 10 1968	1.78	108.77	
4 2 1966	1.72	102.44		20 12 1968	2.40	188.12	

21013 GALA WATER AT GALASHIELS

GRID REF NT479374 AREA 207. SQ.KM
 PERIOD OF RECORD 30 9 1963 TO 7 10 1969

TRPB THRESHOLD 27.00 GRADE A2 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 11 1963	1.13	36.54		6 11 1966	1.08	33.54	
12 11 1963	1.01	30.02		19 12 1966	1.02	30.34	
18 11 1963	1.12	35.70		25 2 1967	0.97	28.02	
21 11 1963	1.06	32.40		27 2 1967	1.08	33.54	2
23 11 1963	1.42	54.13		16 5 1967	0.99	29.25	
27 3 1965	1.52	60.70		9 10 1967	1.00	29.26	2
29 7 1965	1.34	48.65		2 11 1967	1.16	37.84	2
18 9 1965	1.31	46.75		5 3 1968	1.09	33.97	
26 9 1965	1.15	37.74		1 4 1968	1.01	29.77	
1 10 1965	0.96	27.27		5 5 1968	1.13	36.16	
9 12 1965	1.24	43.05		16 7 1968	1.27	44.27	
25 2 1966	1.25	43.41	2	12 9 1968	1.42	52.01	
4 8 1966	1.15	37.74		31 10 1968	1.16	34.77	
13 8 1966	1.43	54.53	2	20 12 1968	1.06	28.98	
1 11 1966	0.97	28.02		22 12 1968	1.06	28.98	
				20 1 1969	1.03	27.34	

21031 TILL AT ETAL

GRID REF NT927396 AREA 648. SQ.KM
 PERIOD OF RECORD 7 12 1955 TO 30 9 1969

NRA THRESHOLD 42.00 GRADE A2 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
15 12 1955	1.45	47.08		12 12 1957	1.75	65.40	
18 1 1956	1.41	44.48		12 2 1958	1.67	60.03	
29 1 1956	1.53	51.73		30 3 1958	1.95	79.12	
5 2 1956	1.54	52.10		5 4 1958	1.77	66.82	
29 2 1956	1.91	76.50		23 8 1958	1.46	47.43	
19 8 1956	1.88	74.35		15 12 1958	1.64	58.48	
28 8 1956	4.12	299.61		19 12 1958	2.01	83.57	
3 9 1956	1.57	54.31		19 11 1959	1.51	50.64	
6 9 1956	1.71	62.79		8 12 1959	1.82	70.12	
30 12 1956	1.48	48.85		22 1 1960	1.70	62.00	
22 1 1957	1.46	47.78		31 1 1960	1.56	53.20	
14 2 1957	1.98	81.33		27 2 1960	1.76	66.41	
11 8 1957	1.56	53.20		10 10 1960	1.82	70.12	
16 8 1957	2.27	104.41					

21031

TILL AT ETAL

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
24 10 1960	1.70	62.39		20 11 1965	2.77	147.97	
29 10 1960	1.48	48.85		10 12 1965	1.70	62.39	
1 11 1960	1.64	58.48		26 2 1966	2.02	84.70	
9 8 1961	1.46	47.43		5 8 1966	1.82	70.12	
6 1 1962	1.43	45.69		14 8 1966	2.62	133.82	
16 1 1962	1.47	48.31		27 10 1966	1.58	54.69	
12 9 1962	1.96	80.44		6 11 1966	1.40	44.31	
17 11 1962	1.46	47.43		20 12 1966	1.62	57.14	
24 11 1962	1.79	68.46		28 2 1967	1.51	50.28	
7 3 1963	2.49	122.41		12 5 1967	1.45	46.90	
10 3 1963	1.71	62.79		17 5 1967	1.99	82.22	
15 3 1963	1.40	44.31		17 10 1967	1.54	52.10	
5 8 1963	1.81	69.29		6 11 1967	2.49	122.41	
2 9 1963	2.30	106.15		15 7 1968	1.71	62.79	
18 11 1963	1.86	73.07		1 11 1968	2.09	89.98	4
24 11 1963	2.01	83.57		9 11 1968	1.40	43.97	
14 3 1964	1.40	44.31		20 12 1968	1.55	52.83	4
25 3 1964	1.79	68.05		2 1 1969	1.59	55.06	
27 3 1965	1.77	67.02		7 1 1969	1.53	51.37	
30 7 1965	1.67	60.03		13 1 1969	1.57	54.31	
1 10 1965	1.83	70.96		18 1 1969	1.64	58.48	
				22 1 1969	1.62	57.33	
				29 3 1969	1.50	49.92	

21032

GLEN AT KIRKNEWTON

GRID REF NT910305 AREA 199. SQ.KM
 PERIOD OF RECORD 1 9 1961 TO 30 9 1969

NRA THRESHOLD 19.00 GRADE C CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
15 1 1962	0.64	26.50		19 11 1965	1.06	63.36	
11 9 1962	0.84	43.77		9 12 1965	0.62	24.61	
24 11 1962	0.77	37.26		25 2 1966	0.86	46.57	
6 3 1963	1.06	63.36		5 8 1966	0.94	53.65	
14 3 1963	0.61	24.14		13 8 1966	0.95	54.13	
5 7 1963	0.76	36.14		6 11 1966	0.55	19.54	
17 8 1963	1.08	64.60		INTAKE PIPE RELOCATED			
21 8 1963	0.57	20.81		19 12 1966	0.59	22.33	
1 9 1963	0.96	55.32		27 2 1967	0.59	22.11	
7 11 1963	0.60	23.00		16 5 1967	0.89	49.46	
10 11 1963	0.66	27.47		17 10 1967	0.64	26.26	
18 11 1963	0.81	41.34		3 11 1967	1.02	60.16	
23 11 1963	0.78	38.12		15 7 1968	0.79	38.75	
14 3 1964	0.59	22.56		13 9 1968	0.65	26.56	
25 3 1964	0.62	24.61		1 11 1968	0.84	43.64	
11 10 1964	0.57	21.24		20 12 1968	0.65	26.56	
27 3 1965	0.71	32.32		8 1 1969	0.61	23.49	
29 7 1965	0.67	28.96		12 1 1969	0.62	24.24	
4 9 1965	0.59	22.33		18 1 1969	0.58	21.30	
1 10 1965	0.76	36.14		22 1 1969	0.64	25.77	
				29 3 1969	0.57	20.60	

21803

TWEED AT GLENBRECK

GRID REF NT064216 AREA 34.03 SQ.KM
 PERIOD OF RECORD 4 2 1964 TO 21 9 1970
 SIGNIFICANT GAPS
 1 1 1968 TO 14 4 1969 10 6 1969 TO

SESWB THRESHOLD 18.70 GRADE C CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 8 1964	1.10	24.89		7 12 1964	1.33	33.17	
15 9 1964	1.35	34.11		8 12 1964	0.99	21.41	
22 9 1964	0.96	20.13		10 1 1965	1.53	41.37	
6 10 1964	1.52	40.75		25 9 1965	1.69	47.78	

21803

TWEED AT GLENBRECK

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
9 12 1965	0.93	19.45		29 9 1967	1.43	37.07	
4 2 1966	1.08	24.16		1 10 1967	1.04	22.92	
24 2 1966	1.49	39.51		8 10 1967	1.53	41.37	
13 8 1966	1.34	33.52		14 10 1967	1.28	31.22	
3 9 1966	1.28	31.22		20 10 1967	0.91	18.78	
11 9 1966	1.12	25.73		22 12 1967	1.10	24.78	
15 12 1966	0.93	19.45		14 12 1969	1.28	31.57	
27 2 1967	1.44	37.68		21 12 1969	1.06	23.43	
25 3 1967	1.09	24.47		1 2 1970	1.43	37.31	
21 5 1967	0.92	18.97		15 8 1970	1.10	24.89	
5 9 1967	1.24	30.10		8 9 1970	1.23	29.54	
26 9 1967	0.95	19.84					

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1967-1968 1968-1969

22001

COQUET AT MORWICK

GRID REF	NU234044	AREA	570. SQ.KM	NRA	GRADE	A1	
PERIOD OF RECORD	23 9 1963 TO	30 9 1969		THRESHOLD	78.00	CUMECs	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
7 11 1963	2.27	84.89		27 10 1966	2.35	88.73	
10 11 1963	2.98	125.90		12 12 1966	2.44	93.81	
18 11 1963	2.52	98.81		20 12 1966	2.28	85.23	
21 11 1963	2.20	80.79		29 12 1966	2.44	93.81	
23 11 1963	2.95	124.03		30 2 1967	2.70	109.04	
14 3 1964	2.73	110.65		17 10 1967	3.77	180.35	
25 3 1964	2.96	124.59		1 11 1967	2.19	80.30	
9 12 1964	2.23	82.26		3 11 1967	2.26	83.90	
29 7 1965	2.56	100.90		5 11 1967	4.33	235.88	
1 10 1965	2.62	104.06		13 9 1968	3.87	189.00	4
19 11 1965	3.70	173.29		31 10 1968	2.85	117.57	
9 12 1965	2.40	91.94		18 12 1968	2.43	94.29	
26 2 1966	3.44	154.98		20 12 1968	2.55	99.96	
9 4 1966	2.86	118.48		7 1 1969	2.42	92.61	
13 8 1966	4.02	203.86		12 1 1969	2.70	108.65	

22002

COQUET AT BYGATE

GRID REF	NT870083	AREA	59.6 SQ.KM	NRA	GRADE	C	
PERIOD OF RECORD	5 11 1947 TO	30 9 1969		THRESHOLD	11.05	CUMECs	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 12 1947				17 1 1951			
CHART LIMIT OF 500 MGD EXCEEDED (26.3 CUMECs)				CHART LIMIT OF 500 MGD EXCEEDED			
4 1 1948				14 3 1951		13.79	
CHART LIMIT OF 500 MGD EXCEEDED				22 3 1951		11.58	
11 1 1948				2 5 1951		21.31	
CHART LIMIT OF 500 MGD EXCEEDED				5 11 1951			
1 2 1948		12.89		CHART LIMIT OF 500 MGD EXCEEDED			
2 6 1948		13.05		8 11 1951		11.58	
12 8 1948				11 11 1951		12.89	
CHART LIMIT OF 500 MGD EXCEEDED				20 11 1951		13.94	
15 9 1948		17.89		7 3 1952		11.84	
11 12 1948		17.10		21 4 1952			
25 10 1949				CHART LIMIT OF 500 MGD EXCEEDED			
CHART LIMIT OF 500 MGD EXCEEDED				1 10 1952			
15 2 1950				CHART LIMIT OF 500 MGD EXCEEDED			
CHART LIMIT OF 500 MGD EXCEEDED				27 10 1952		13.94	
26 8 1950		14.58		4 11 1952		11.58	
6 9 1950		21.31		11 1 1953		19.47	
25 9 1950				17 2 1953		12.89	
CHART LIMIT OF 500 MGD EXCEEDED				25 5 1953			
22 11 1950				CHART LIMIT OF 500 MGD EXCEEDED			
CHART LIMIT OF 500 MGD EXCEEDED				2 6 1953			
				CHART LIMIT OF 500 MGD EXCEEDED			

22002

COQUET AT BYGATE

DATE	LEVEL	DISCHARGE	NOTE
21 2 1954		13.42	
6 3 1954		12.89	
28 5 1954			
CHART LIMIT OF 500 MGD EXCEEDED			
17 8 1954		16.84	
19 8 1954			
CHART LIMIT OF 500 MGD EXCEEDED			
21 8 1954		17.10	
17 10 1954		23.68	
29 10 1954		22.36	
24 11 1954		11.31	
14 12 1954		23.68	
14 12 1955		21.05	
17 1 1956		12.89	
29 1 1956		13.68	
28 2 1956		17.10	
11 8 1956		11.58	
16 8 1956		14.21	
25 8 1956		13.79	
27 8 1956			
CHART LIMIT OF 500 MGD EXCEEDED			
4 9 1956		11.84	
30 12 1956		13.42	
31 1 1957		11.31	
13 2 1957		12.37	
11 8 1957			
CHART LIMIT OF 500 MGD EXCEEDED			
15 8 1957			
CHART LIMIT OF 500 MGD EXCEEDED			
11 12 1957		15.79	
8 1 1958		18.42	
28 1 1958		12.89	
28 3 1958		11.58	
22 8 1958			
CHART LIMIT OF 500 MGD EXCEEDED			
23 9 1958		16.31	
4 10 1958		13.16	
14 12 1958		12.10	
16 12 1958		12.63	
19 12 1958		24.21	
19 1 1959		16.05	
13 11 1959		11.31	
16 11 1959		15.10	
19 11 1959		15.00	
7 12 1959		14.47	
22 1 1960			
CHART LIMIT OF 500 MGD EXCEEDED			
23 1 1960		11.84	
27 2 1960		25.52	
13 5 1960		13.94	
9 10 1960		23.68	
1 11 1960		15.79	
23 12 1960		21.84	
6 1 1961		18.15	
8 8 1961		11.58	
24 10 1961		13.16	
10 12 1961		14.47	
10 1 1962		18.15	

DATE	LEVEL	DISCHARGE	NOTE
15 1 1962		18.94	
21 7 1962		20.26	
9 9 1962		14.21	
11 9 1962			
CHART LIMIT OF 500 MGD EXCEEDED			
29 9 1962		17.89	
23 11 1962		20.00	
7 3 1963		24.21	
9 3 1963		15.52	
14 3 1963		13.68	
29 6 1963		12.37	
16 8 1963		21.84	
1 9 1963		12.89	
7 11 1963		13.42	
10 11 1963		17.89	
18 11 1963		24.47	
21 11 1963		23.68	
23 11 1963		24.21	
25 3 1964			
CHART LIMIT OF 500 MGD EXCEEDED			
11 10 1964		20.52	
8 12 1964			
CHART LIMIT OF 500 MGD EXCEEDED			
10 1 1965		11.31	
13 1 1965		12.63	
27 3 1965		20.26	
29 7 1965		15.26	
17 9 1965		24.99	
25 9 1965		11.58	
29 9 1965		22.10	
19 11 1965		23.15	
9 12 1965		22.63	
25 2 1966			
CHART LIMIT OF 500 MGD EXCEEDED			
25 6 1966		14.21	
4 8 1966	1.79	20.91	
13 8 1966	1.39	11.79	
29 8 1966	1.83	21.89	
4 9 1966	1.46	13.11	
27 10 1966	1.88	23.23	
19 12 1966	1.84	22.22	
29 12 1966	1.61	16.41	
27 2 1967	2.06	28.71	
7 4 1967	1.41	12.21	
17 7 1967	1.90	23.83	
26 9 1967	1.63	16.76	
1 10 1967	1.56	15.38	
9 10 1967	1.40	12.03	
16 10 1967	2.19	32.99	
1 11 1967	2.04	27.93	
5 11 1967	2.14	31.42	
5 3 1968	1.66	17.48	
23 3 1968	1.88	23.40	
18 4 1968	1.87	22.85	
15 7 1968	1.95	25.12	
13 8 1968	2.10	29.79	
12 9 1968	2.65	51.03	
20 12 1968	2.12	30.45	
12 1 1969	1.75	19.66	
21 1 1969	1.51	14.09	
30 3 1969	1.41	12.06	

22004

ALN AT HAWKHILL

GRID REF NU213128 AREA 207.5 SQ.KM
 PERIOD OF RECORD 13 4 1960 TO 30 9 1969

NRA THRESHOLD 28.00 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
13 5 1960	1.76	31.00		17 11 1965	2.58	63.60	
9 10 1960	2.59	63.88		19 11 1965	2.81	74.50	
20 10 1960	1.80	32.22		9 12 1965	1.80	32.22	
23 10 1960	1.86	34.31		25 2 1966	2.07	42.00	
1 11 1960	2.56	62.47		9 4 1966	2.25	49.15	
8 8 1961	1.88	34.95		13 8 1966	4.08	150.27	4
5 1 1962	1.92	36.47		27 10 1966	1.82	33.05	
11 9 1962	2.62	65.31		12 12 1966	1.99	38.79	
17 11 1962	2.14	44.84		29 12 1966	1.74	30.19	
23 11 1962	1.81	32.74		25 2 1967	1.85	34.10	
7 3 1963	2.94	81.37		17 10 1967	2.75	71.78	
16 8 1963	2.15	45.20		1 11 1967	2.44	57.23	
1 9 1963	2.13	44.48		3 11 1967	1.69	28.52	
10 11 1963	2.49	59.41		5 11 1967	3.71	126.45	
17 11 1963	1.80	32.22		11 12 1967	1.82	33.05	
23 11 1963	2.27	50.16		7 2 1968	1.83	33.09	
14 3 1964	2.49	59.68		31 10 1968	2.40	55.27	
25 3 1964	2.19	46.67		3 11 1968	1.79	31.74	
23 3 1965	1.75	30.60		1 1 1969	1.79	31.74	
29 7 1965	1.82	33.05		7 1 1969	2.52	60.62	
17 9 1965	1.81	32.53		12 1 1969	2.15	44.89	
1 10 1965	2.24	48.52		17 1 1969	1.93	36.60	
				22 1 1969	1.72	29.43	
				3 5 1969	1.70	28.79	
				23 6 1969	1.90	35.53	

22006

BLYTH AT HARTFORD

GRID REF NZ245799 AREA 270.4 SQ.KM
 PERIOD OF RECORD 9 11 1960 TO 30 9 1969
 SIGNIFICANT GAPS
 5 4 1968 TO 21 8 1968

NRA THRESHOLD 19.20 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 12 1960	0.61	19.73		19 11 1965	1.42	88.41	
3 1 1961	0.97	44.67		23 11 1965	0.74	27.46	
6 1 1961	0.63	20.61		3 12 1965	0.79	31.20	
19 1 1961	0.61	19.38		9 12 1965	0.67	23.36	
5 5 1961	0.69	24.31		8 2 1966	0.92	40.26	
11 12 1961	0.85	35.60		21 2 1966	0.79	30.77	
5 1 1962	0.79	30.77		10 4 1966	1.33	78.81	
12 9 1962	0.69	24.12		13 8 1966	0.96	43.43	
24 11 1962	0.63	20.61		4 10 1966	0.70	24.88	
5 1 1963	0.61	19.73		12 12 1966	0.91	39.79	
7 3 1963	1.66	116.86		22 2 1967	0.85	35.15	
13 3 1963	0.77	29.72		17 10 1967	1.11	56.58	
10 8 1963	0.65	21.69		2 11 1967	1.08	53.83	
7 11 1963	1.26	71.25		5 11 1967	1.26	71.56	
10 11 1963	1.11	57.14		16 1 1968	0.64	20.97	
18 11 1963	0.77	29.30		6 2 1968	0.65	21.56	
21 11 1963	0.66	22.43		31 10 1968	1.03	47.26	
23 12 1963	1.03	49.81		3 11 1968	0.85	26.89	
14 3 1964	1.10	55.75		18 12 1968	1.27	71.13	
25 3 1964	1.04	50.60		1 1 1969	0.84	25.97	
23 3 1965	0.86	36.06		7 1 1969	0.87	28.79	
18 5 1965	0.73	27.05		12 1 1969	0.92	33.92	
4 9 1965	0.63	20.61		20 1 1969	0.94	36.13	
7 9 1965	0.71	25.27		23 2 1969	0.82	24.20	
18 9 1965	0.76	29.09		15 3 1969	0.84	25.97	
28 9 1965	0.83	33.81		3 5 1969	0.85	26.89	
1 10 1965	1.20	65.50		6 5 1969	0.90	31.80	
				3 6 1969	0.79	21.69	

22007

WANSBECK AT MITFORD FLUME

GRID REF NZ181857 AREA 287.4 SQ.KM
 PERIOD OF RECORD 5 2 1963 TO 30 9 1969

NRA THRESHOLD 35.70 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
7 3 1963	1.72	276.31		9 4 1966	0.97	99.31	
9 3 1963	0.55	35.84		22 4 1966	0.57	37.99	
14 3 1963	0.55	36.55		23 6 1966	0.57	38.35	
16 8 1963	0.59	40.57		13 8 1966	0.76	64.77	
7 11 1963	0.85	79.21		12 12 1966	1.58	63.42	
10 11 1963	1.01	106.07		RECORDS BEFORE THIS DATE FROM 22005			
17 11 1963	0.63	46.35		25 2 1967	1.39	45.89	
21 11 1963	0.57	39.09		18 8 1967	1.34	42.21	
23 11 1963	0.89	84.82		17 10 1967	2.63	225.49	
14 3 1964	0.82	73.77		5 11 1967	2.23	149.31	
25 3 1964	0.70	55.01		19 4 1968	1.28	37.14	
23 3 1965	0.68	52.89		12 9 1968	2.26	154.19	
17 9 1965	0.61	44.00		31 10 1968	1.59	63.92	
28 9 1965	0.70	55.87		18 12 1968	1.73	78.96	
1 10 1965	0.87	81.23		7 1 1969	1.56	60.95	
17 11 1965	0.92	90.07		12 1 1969	1.61	65.96	
19 11 1965	1.11	126.90		20 1 1969	1.29	37.87	
23 11 1965	0.64	47.55		29 3 1969	1.28	37.14	
9 12 1965	0.66	50.39		3 5 1969	1.51	56.17	
22 2 1966	0.65	49.16		6 5 1969	1.47	52.52	
25 2 1966	0.89	85.86		3 6 1969	1.27	36.41	

23001

TYNE AT BYWELL

GRID REF NZ038617 AREA 2180. SQ.KM
 PERIOD OF RECORD 19 6 1956 TO 30 9 1969

NRA THRESHOLD 412.60 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
14 8 1956	3.04	548.35		21 11 1963	4.32	1010.00	
28 8 1956	3.98	885.10		23 11 1963	3.78	807.99	
4 1 1957	3.77	802.99	9	30 12 1963	3.41	680.90	
8 12 1957	3.47	693.93		7 10 1964	3.96	782.01	8
8 1 1958	2.73	453.09		8 12 1964	5.12	1283.00	8
11 2 1958	2.81	478.45		12 12 1964	3.81	724.73	
19 12 1958	3.47	693.93		29 12 1964	3.24	528.75	
1 1 1959	3.23	610.08		10 1 1965	4.09	835.30	
26 10 1959	3.41	674.66		13 1 1965	3.23	525.84	
22 1 1960	3.29	630.60		16 1 1965	3.09	483.13	
23 1 1960	2.67	437.10		27 3 1965	3.90	758.86	
31 1 1960	3.29	631.64		29 7 1965	3.88	753.12	
27 2 1960	3.10	569.92		26 9 1965	4.54	1018.00	
2 11 1960	3.38	661.94		1 10 1965	3.02	461.96	
25 12 1960	4.51	1101.00		31 10 1965	3.56	637.35	
11 12 1961	3.32	640.97		19 11 1965	3.77	711.29	
5 1 1962	2.74	457.57		9 12 1965	4.26	902.67	
11 1 1962	2.82	480.28		17 12 1965	3.35	567.23	
16 1 1962	3.41	674.66		5 2 1966	3.26	535.56	
24 1 1962	2.81	479.36		25 2 1966	3.62	658.70	2
12 2 1962	4.13	942.17		9 4 1966	2.88	422.69	
2 4 1962	4.07	921.34		3 8 1966	2.86	415.73	
7 4 1962	2.84	485.80		13 8 1966	4.16	859.52	
11 8 1962	3.17	592.87		4 9 1966	3.91	764.61	
26 8 1962	3.84	828.42		13 9 1966	3.07	478.49	
14 9 1962	4.80	1229.00	4	3 10 1966	3.10	487.79	
24 11 1962	2.98	546.84		29 11 1966	3.47	605.95	
6 3 1963	3.90	849.48	8	18 12 1966	3.44	595.64	
26 9 1963	2.65	450.57		19 12 1966	3.77	713.52	
10 11 1963	2.89	519.79		25 2 1967	2.99	452.89	
12 11 1963	3.77	805.83		27 2 1967	4.27	905.17	1
18 11 1963	3.96	871.69		18 8 1967	3.68	678.20	
				1 10 1967	3.52	621.56	
				3 10 1967	3.36	570.25	
				6 10 1967	4.13	847.37	
				9 10 1967	4.63	1058.00	5

23001 TYNE AT BYWELL

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 10 1967	5.54	1496.00	2	22 9 1968	3.01	457.90	
5 11 1967	3.29	545.37		28 9 1968	3.08	478.95	
23 12 1967	3.53	626.80					
20 3 1968	3.92	765.87		31 10 1968	3.80	721.05	
23 3 1968	5.52	1482.00	2	20 12 1968	3.95	777.28	
1 4 1968	3.85	739.57		20 1 1969	3.02	460.88	
12 9 1968	3.62	656.19		2 6 1969	2.87	417.12	

23002 DERWENT AT EDDYS BRIDGE

GRID REF NZ041502 AREA 118. SQ. KM
 PERIOD OF RECORD 7 12 1954 TO 14 10 1965

SSSWC THRESHOLD 21.00 CUMEC'S GRADE A1

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
14 12 1954		33.68		23 10 1960		41.04	
10 1 1955		48.41		27 10 1960		38.41	
				1 11 1960		40.25	
28 2 1956		40.25		27 1 1961		21.10	
11 8 1956		26.20		29 1 1961		48.67	
17 8 1956		27.10		15 7 1961		57.88	
18 8 1956		33.15		11 8 1961		22.89	
28 8 1956		64.46					
2 9 1956		41.31		11 12 1961		23.68	
				7 1 1962		21.84	
30 12 1956		24.36		11 1 1962		30.78	
15 8 1957		21.10		15 1 1962		28.94	
23 9 1957		22.10		12 2 1962		22.10	
				2 4 1962		22.36	
27 1 1958		25.10		7 4 1962		24.63	
11 2 1958		34.20		12 9 1962		27.63	
28 3 1958		27.89					
20 8 1958		30.26		7 3 1963		49.99	
				28 6 1963		25.94	
19 12 1958		49.99		24 8 1963		22.63	
1 1 1959		40.52					
				10 11 1963		36.04	
19 11 1959		27.89		12 11 1963		38.41	
7 12 1959		33.41		18 11 1963		24.36	
21 1 1960		29.99		21 11 1963		49.99	
31 1 1960		27.63		25 3 1964		29.20	
27 2 1960		26.31					
				8 12 1964		24.10	
9 10 1960		40.52		16 1 1965		26.31	
20 10 1960		31.57		27 3 1965		33.68	

23003 NORTH TYNE AT REAVERHILL

GRID REF NY906732 AREA 1010. SQ. KM
 PERIOD OF RECORD 23 3 1959 TO 30 9 1969

NRA THRESHOLD 247.00 CUMEC'S GRADE A1

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 10 1959	3.10	256.89		10 11 1963	3.33	296.73	
22 1 1960	3.45	319.17		12 11 1963	3.13	262.03	
31 1 1960	3.27	285.82		18 11 1963	3.89	406.20	
28 2 1960	3.41	310.66		21 11 1963	3.78	383.28	
				23 11 1963	4.20	474.78	
2 11 1960	3.23	277.78		30 12 1963	3.26	283.13	
25 12 1960	4.51	547.31					
				6 10 1964	3.50	327.80	
11 12 1961	3.10	256.89		8 12 1964	4.89	600.97	
15 1 1962	3.17	268.80		29 12 1964	3.59	345.41	
11 2 1962	4.00	430.45		10 1 1965	4.29	495.99	
2 4 1962	3.99	427.13		13 1 1965	3.47	322.03	
11 8 1962	3.41	311.79		26 3 1965	3.38	306.17	
26 8 1962	4.32	503.17		29 7 1965	4.36	511.84	
11 9 1962	4.69	574.43		4 8 1965	3.67	360.44	
				25 9 1965	3.56	339.49	
23 11 1962	3.67	360.44					
6 3 1963	3.72	370.85		31 10 1965	3.68	362.27	
26 9 1963	3.05	247.76		19 11 1965	4.22	479.69	
				23 11 1965	3.22	276.71	
				9 12 1965	3.88	404.26	

23003

NORTH TYNE AT REAVERHILL

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 2 1966	3.77	382.03		9 10 1967	4.44	530.90	
25 2 1966	3.73	372.70		16 10 1967	4.78	586.30	
13 8 1966	3.18	269.85		1 11 1967	3.66	358.62	
4 9 1966	3.54	335.37		19 3 1968	3.17	267.24	
29 11 1966	3.32	293.98		23 3 1968	5.18	637.71	
20 12 1966	3.18	269.85		1 4 1968	3.13	260.44	
27 2 1967	4.29	494.56		12 9 1968	3.76	378.03	
1 10 1967	3.23	277.78		31 10 1968	3.27	284.65	
6 10 1967	3.79	385.17		20 12 1968	3.72	369.91	
				18 9 1969	3.10	255.39	

23004

SOUTH TYNE AT HAYDON BRIDGE

GRID REF NY856647 AREA 751. SQ. KM
 PERIOD OF RECORD 17 7 1959 TO 30 9 1969

NRA THRESHOLD 226.00 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 10 1959	2.73	318.22		25 9 1965	3.26	409.88	
2 11 1960	2.37	243.60		9 12 1965	3.32	425.66	
25 12 1960	2.99	380.12		17 12 1965	2.74	289.24	
30 3 1961	2.73	318.91		13 8 1966	3.42	453.20	
17 10 1961	2.52	272.61		4 9 1966	2.86	314.65	
11 12 1961	2.57	284.16		12 9 1966	2.57	253.16	
5 1 1962	2.29	227.68		3 10 1966	2.62	263.66	
11 1 1962	2.46	261.92		15 11 1966	2.52	244.07	
15 1 1962	2.98	378.62		17 12 1966	2.85	313.29	
12 2 1962	2.81	338.47		19 12 1966	2.94	332.67	
2 4 1962	2.90	358.62		27 2 1967	2.74	287.93	
11 8 1962	2.66	303.96		18 8 1967	2.92	328.47	
26 8 1962	2.92	363.75		1 10 1967	2.71	282.73	
11 9 1962	3.29	457.50		3 10 1967	3.33	428.86	
29 9 1962	2.33	234.69		6 10 1967	2.90	323.60	
6 3 1963	2.77	329.32		9 10 1967	2.65	268.68	
26 9 1963	2.62	293.98		14 10 1967	2.74	287.93	
3 10 1963	2.35	239.42		16 10 1967	3.65	518.10	
12 11 1963	3.20	433.04		5 11 1967	2.74	289.24	
18 11 1963	2.92	363.75		22 12 1967	2.71	281.44	
21 11 1963	3.59	544.66		19 3 1968	3.13	376.89	
23 11 1963	2.38	245.40		23 3 1968	3.32	425.06	
30 12 1963	2.82	340.60		1 4 1968	3.16	384.30	
7 10 1964	2.46	231.05		12 9 1968	2.92	327.08	
8 12 1964	3.23	402.09		20 9 1968	2.55	248.06	
12 12 1964	3.09	368.02		22 9 1968	2.89	320.25	
16 1 1965	2.47	233.39		28 9 1968	2.52	242.14	
26 3 1965	2.93	329.87		31 10 1968	2.57	252.04	
				20 12 1968	2.59	256.06	
				22 12 1968	2.44	226.71	

23005

NORTH TYNE AT TARSET

GRID REF NY776861 AREA 285. SQ. KM
 PERIOD OF RECORD 1 9 1960 TO 30 9 1969

NRA THRESHOLD 137.00 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 12 1960	3.79	279.08		8 12 1962	3.04	185.42	
9 10 1961	3.16	198.78		5 3 1963	3.06	187.15	
15 1 1962	3.26	210.37		SPIKE INCLUDED-SNOWMELT			
11 2 1962	3.01	181.97		25 9 1963	2.80	158.70	
2 4 1962	3.56	247.74		8 10 1963	2.65	143.60	
3 8 1962	2.62	139.94		18 11 1963	3.15	197.71	
11 8 1962	3.27	211.47		21 11 1963	3.04	185.42	
26 8 1962	3.85	287.08		23 11 1963	3.13	195.22	
11 9 1962	3.60	254.11		6 10 1964	3.43	231.38	
23 11 1962	2.96	175.85		7 12 1964	3.29	214.05	
				8 12 1964	4.02	311.27	

23005

NORTH TYNE AT TARSET

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 12 1964	2.77	155.50		29 11 1966	2.74	152.33	
29 12 1964	3.36	223.39		27 2 1967	3.93	298.20	
10 1 1965	3.93	299.06		1 10 1967	3.29	214.05	
13 1 1965	2.62	139.94		6 10 1967	3.20	203.09	
26 3 1965	2.75	153.91		9 10 1967	3.93	298.20	
29 7 1965	3.33	219.63		16 10 1967	3.50	240.66	
4 8 1965	2.98	178.56		26 10 1967	2.74	152.33	
31 10 1965	3.10	192.40		22 12 1967	2.62	139.94	
19 11 1965	3.10	192.40		23 3 1968	4.11	323.89	
9 12 1965	3.13	195.93		1 4 1968	2.65	142.81	
5 2 1966	3.41	229.08		12 9 1968	2.67	144.83	
25 2 1966	3.03	184.04		20 12 1968	3.29	213.83	
13 8 1966	2.97	176.86		18 9 1969	2.63	140.81	
4 9 1966	3.59	252.51					

23007

DERWENT AT ROWLANDS GILL

GRID REF NZ168581 AREA 242. SQ.KM
 PERIOD OF RECORD 31 10 1962 TO 30 9 1969

NRA THRESHOLD 26.00 GRADE C
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
6 3 1963	1.60	94.17	9	21 2 1966	0.74	26.62	
29 6 1963	0.82	31.35		25 2 1966	0.77	28.10	
24 8 1963	0.78	28.85		9 4 1966	0.85	33.33	
10 11 1963	1.16	56.49		13 8 1966	0.81	30.96	
12 11 1963	1.00	44.18		27 2 1967	0.81	30.76	
18 11 1963	0.84	32.53		16 10 1967	1.06	48.07	
21 11 1963	1.19	58.74		1 11 1967	0.80	30.38	
23 11 1963	0.88	35.36		5 11 1967	1.62	96.27	
14 3 1964	0.82	31.35		23 3 1968	0.87	34.42	
25 3 1964	1.06	48.07		11 9 1968	0.94	39.22	
16 1 1965	0.83	31.94		31 10 1968	0.97	41.35	
23 3 1965	0.84	32.53		2 11 1968	1.13	53.47	
27 3 1965	0.92	38.49		18 12 1968	1.11	51.89	
7 9 1965	0.78	28.85		22 12 1968	1.00	43.52	
1 10 1965	0.90	36.81		12 1 1969	0.77	28.03	
19 11 1965	1.47	83.49		29 3 1969	0.95	39.92	

23902

NORTH TYNE AT BARRASPORD

GRID REF NY924721 AREA 1040. SQ.KM
 PERIOD OF RECORD 1 10 1947 TO 27 2 1971
 SIGNIFICANT GAPS 1 10 1955 TO 29 12 1960

NGWC THRESHOLD 269.00 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 11 1947	2.81	308.77		20 11 1951	2.64	277.60	
21 11 1947	2.66	281.98		24 11 1951	2.69	286.38	
1 1 1948	2.64	277.60		6 1 1952	2.81	308.77	
3 1 1948	3.20	379.79		7 3 1952	2.79	304.24	
11 1 1948	3.07	355.49		22 4 1952	3.50	440.64	
7 2 1948	2.64	277.60		28 10 1952	2.61	273.26	
12 8 1948	2.64	277.60		4 11 1952	3.22	384.73	
24 8 1948	3.04	350.70		19 1 1954	3.58	456.39	
15 9 1948	3.53	445.86		6 3 1954	2.84	313.32	
17 11 1948	3.32	404.72		6 5 1954	2.69	286.38	
7 1 1949	2.71	290.80		28 7 1954	2.81	308.77	
22 2 1949	2.64	277.60		16 9 1954	3.47	435.43	
25 10 1949	3.73	488.54		15 10 1954	2.87	317.91	
25 12 1949	3.60	461.69		17 10 1954	3.81	504.93	
15 2 1950	2.94	331.81		22 10 1954	3.70	483.12	
6 9 1950	2.89	322.51		2 12 1954	4.77	729.67	
23 11 1950	2.66	281.98		14 12 1954	2.87	317.91	
17 1 1951	3.22	384.73	4				

23902

NORTH TYNE AT BARRASFORD

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 1 1955	4.72	717.06		23 11 1965	2.74	295.25	
15 1 1962	2.66	281.98		9 12 1965	3.32	404.72	
11 2 1962	3.50	440.64		5 2 1966	3.14	369.99	
2 4 1962	3.53	445.86		25 2 1966	3.17	374.88	
11 8 1962	2.92	327.15		13 8 1966	2.69	286.38	
26 8 1962	3.81	504.93		4 9 1966	3.02	345.94	
12 9 1962	4.14	578.26		29 11 1966	2.79	304.24	
23 11 1962	3.14	369.99	8	19 12 1966	2.64	277.60	
7 3 1963	3.32	404.72		27 2 1967	3.81	504.93	
10 11 1963	2.87	317.91		1 10 1967	2.71	290.80	
12 11 1963	2.66	281.98		6 10 1967	3.32	404.72	
18 11 1963	3.30	399.68		9 10 1967	3.93	532.71	
21 11 1963	3.25	389.69		17 10 1967	4.26	607.45	4
23 11 1963	3.65	472.36		1 11 1967	3.14	369.99	
30 12 1963	2.74	295.25		23 12 1967	2.79	304.24	
7 10 1964	2.94	331.81		19 3 1968	2.84	313.32	4
8 12 1964	3.65	472.36	2	23 3 1968	4.64	698.30	
29 12 1964	2.81	308.77	2	1 4 1968	2.61	273.26	
10 1 1965	3.58	456.39		12 9 1968	3.20	379.79	
13 1 1965	2.89	322.51		31 10 1968	2.74	295.25	
27 3 1965	2.84	313.32		20 12 1968	3.17	374.88	
29 7 1965	3.73	488.54		19 2 1970	2.94	331.81	
4 8 1965	3.14	369.99	8	21 2 1970	2.94	331.81	
26 9 1965	2.99	341.20		31 10 1970	3.63	467.01	
31 10 1965	3.14	369.99		23 11 1970	2.94	331.81	
19 11 1965	3.73	488.54		7 1 1971	2.81	308.77	
RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM							
1955-1956	1956-1957	1957-1958	1958-1959	1959-1960	1960-1961		

24001

WEAR AT SUNDERLAND BRIDGE

GRID REF NZ264376 AREA 658. SQ.KM
 PERIOD OF RECORD 1 10 1957 TO 30 9 1969

NRA THRESHOLD 101.40 CUMECs
 GRADE B

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 2 1958	2.06	174.64		10 11 1963	1.91	155.19	
29 3 1958	1.86	148.65		12 11 1963	1.83	144.84	
3 10 1958	1.46	102.09		18 11 1963	1.67	124.94	
19 12 1958	2.10	180.34		21 11 1963	2.17	189.86	
1 1 1959	1.96	161.45		14 3 1964	1.57	114.35	
8 12 1959	1.50	105.78		25 3 1964	1.96	161.45	
22 1 1960	1.97	163.03		8 12 1964	1.89	152.49	
27 2 1960	1.65	122.79		10 1 1965	1.49	105.45	
9 10 1960	2.03	170.20		13 1 1965	1.47	103.10	
20 10 1960	1.71	130.36		16 1 1965	1.80	140.70	
23 10 1960	1.59	116.44		27 3 1965	1.60	116.79	
27 10 1960	1.99	164.61		1 11 1965	1.59	116.44	
1 11 1960	1.82	143.71		19 11 1965	1.84	145.98	
26 12 1960	1.60	117.49		9 12 1965	1.99	165.41	
27 1 1961	1.55	111.24		17 12 1965	1.62	119.95	
29 1 1961	2.06	175.04		25 2 1966	2.15	186.95	
30 3 1961	1.53	109.86		9 4 1966	2.04	171.40	
4 5 1961	1.54	110.21		13 8 1966	1.79	139.58	
15 7 1961	2.07	176.26		3 10 1966	1.99	164.61	
11 12 1961	1.79	139.58		18 12 1966	1.92	156.75	
10 1 1962	1.71	130.36		19 12 1966	1.53	108.84	
15 1 1962	1.83	145.22		27 2 1967	1.94	158.31	
12 2 1962	1.90	154.03		15 5 1967	1.74	133.65	
2 4 1962	1.86	148.65		18 8 1967	1.95	160.27	
7 4 1962	1.79	140.33		6 10 1967	1.55	111.58	
12 9 1962	1.54	110.21		17 10 1967	2.78	278.91	
7 3 1963	2.54	242.35		5 11 1967	3.39	380.89	
2 7 1963	1.48	103.43		19 3 1968	1.73	132.18	
				23 3 1968	2.56	244.64	

24001 WEAR AT SUNDERLAND BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
31 10 1968	2.11	180.45		22 12 1968	2.00	165.87	
2 11 1968	1.96	160.68		12 1 1969	1.53	108.83	
18 12 1968	1.60	116.76		30 3 1969	1.74	133.23	
20 12 1968	1.73	132.03					

24002 GAUNLESS AT BISHOP AUCKLAND

GRID REF NZ215306 AREA 93. SQ.KM				NRA THRESHOLD 8.80 GRADE A1 CUMECS			
PERIOD OF RECORD 26 9 1958 TO 30 9 1969							
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
18 12 1958	1.05	22.73		23 3 1965	0.74	13.15	
22 1 1959	0.83	15.77		29 9 1965	0.59	9.32	
31 1 1960	0.58	9.17		19 11 1965	0.79	14.70	
26 2 1960	0.73	12.89		23 11 1965	0.59	9.32	
9 10 1960	0.61	9.92		9 12 1965	0.80	14.96	
20 10 1960	0.78	14.44		8 2 1966	0.70	12.23	
23 10 1960	0.60	9.54		20 2 1966	0.76	13.74	
27 10 1960	0.70	12.14		25 2 1966	0.64	10.54	
1 11 1960	0.81	15.32		6 4 1966	0.62	10.00	
24 11 1960	0.72	12.64		9 4 1966	1.12	25.25	
4 12 1960	0.57	8.95		4 10 1966	0.61	9.92	
3 1 1961	0.73	12.89		15 10 1966	0.60	9.47	
6 1 1961	0.60	9.62		23 2 1967	0.64	10.62	
29 1 1961	0.60	9.47		27 2 1967	0.58	9.02	
9 2 1961	0.57	8.88		15 5 1967	0.94	19.23	
4 5 1961	1.07	23.46		18 8 1967	0.78	14.35	
14 7 1961	0.57	8.88		17 10 1967	1.30	31.84	
7 1 1962	0.62	10.00		5 11 1967	1.48	39.09	
7 3 1963	1.32	32.54		16 1 1968	0.63	10.31	
2 7 1963	0.71	12.31		23 3 1968	0.79	14.61	
4 7 1963	0.57	8.95		31 10 1968	0.95	19.40	
10 11 1963	0.94	19.23		2 11 1968	0.88	17.21	
17 11 1963	0.63	10.39		18 12 1968	1.08	23.70	
21 11 1963	0.73	12.89		20 12 1968	0.62	9.96	
25 11 1963	0.57	8.80		11 1 1969	0.68	11.50	
14 3 1964	1.10	24.72		20 1 1969	0.64	10.46	
25 3 1964	0.92	18.56		3 5 1969	0.58	8.97	
				6 5 1969	0.65	10.72	
				3 6 1969	0.66	10.98	

24003 WEAR AT STANHOPE

GRID REF NY984391 AREA 172. SQ.KM				NRA THRESHOLD 63.00 GRADE A1 CUMECS			
PERIOD OF RECORD 1 10 1958 TO 30 9 1969							
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
19 12 1958	1.98	93.44		11 2 1962	2.54	158.84	5
1 1 1959	2.39	140.39		2 4 1962	2.30	129.25	
19 11 1959	1.65	63.72		7 4 1962	2.08	104.48	
7 12 1959	1.68	65.99		26 8 1962	1.82	78.80	
22 1 1960	2.25	122.79		11 9 1962	1.86	81.91	
27 2 1960	1.68	65.99		30 9 1962	1.76	72.78	
9 10 1960	1.86	82.48		6 3 1963	1.90	85.96	
27 10 1960	1.67	65.48		10 11 1963	1.74	71.18	
2 11 1960	1.85	81.62		12 11 1963	2.08	104.48	
25 12 1960	1.96	91.92		18 11 1963	1.88	84.50	
27 1 1961	1.70	68.04		21 11 1963	2.44	145.76	
29 1 1961	2.54	159.25	5	8 12 1964	2.42	143.45	
30 3 1961	1.92	88.02		10 1 1965	1.78	75.21	
14 7 1961	2.37	137.75		16 1 1965	1.85	81.05	
11 12 1961	1.90	85.96		26 3 1965	1.78	74.67	
10 1 1962	1.81	77.69		25 9 1965	1.78	74.40	
15 1 1962	2.24	121.38					

24003

WEAR AT STANHOPE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 11 1965	1.82	78.80		4 9 1967	1.76	72.78	
9 12 1965	1.86	82.48		6 10 1967	1.80	76.58	
17 12 1965	1.80	76.86		16 10 1967	2.14	111.08	
25 2 1966	2.04	100.30		5 11 1967	2.47	149.66	5
13 8 1966	1.92	87.43		23 3 1968	2.98	223.93	2
3 10 1966	2.24	121.38		12 9 1968	1.66	64.12	
17 12 1966	2.38	138.50		22 9 1968	1.65	63.30	
19 12 1966	1.76	73.32		31 10 1968	1.78	74.39	
27 2 1967	2.04	99.67		22 12 1968	2.19	115.65	
18 8 1967	2.22	119.63					

24004

BEDBURN BECK AT BEDBURN

GRID REF N2118322 AREA 74.9 SQ. KM
 PERIOD OF RECORD 28 8 1959 TO 30 9 1969

NRA THRESHOLD 13.20 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
22 1 1960	1.08	17.65		25 9 1965	1.13	19.27	
26 2 1960	1.00	15.16		19 11 1965	1.13	19.38	
13 5 1960	1.00	15.25		9 12 1965	1.12	18.96	
9 10 1960	1.17	20.54		1 1 1966	0.97	14.25	
20 10 1960	1.19	21.52		8 2 1966	0.98	14.52	
23 10 1960	1.06	17.06		25 2 1966	1.05	16.76	
27 10 1960	1.34	27.23		9 4 1966	0.99	14.88	
1 11 1960	1.28	24.70		14 10 1966	1.00	15.16	
29 1 1961	1.18	21.19		17 12 1966	1.00	15.25	
4 5 1961	1.18	20.97		27 2 1967	0.99	14.79	
14 7 1961	1.22	22.40		11 5 1967	0.96	13.90	
11 12 1961	1.06	17.15		15 5 1967	1.10	18.45	
11 2 1962	1.02	15.62		14 8 1967	1.13	19.27	
11 9 1962	0.96	13.90		18 8 1967	1.22	22.40	
7 3 1963	1.60	38.45		16 10 1967	1.53	35.57	
29 3 1963	0.94	13.28		5 11 1967	1.15	20.11	
2 7 1963	1.20	21.63		16 1 1968	0.95	13.63	
2 9 1963	1.01	15.34		23 3 1968	1.09	18.05	
10 11 1963	1.31	25.77		18 4 1968	0.94	13.23	
21 11 1963	1.34	26.98		31 10 1968	1.36	27.75	
14 3 1964	1.04	16.38		2 11 1968	1.09	17.81	
24 3 1964	1.16	20.22		17 12 1968	0.98	14.39	
8 12 1964	1.04	16.28		20 12 1968	1.12	18.80	
16 1 1965	1.24	23.42		30 3 1969	1.18	20.88	
4 8 1965	1.12	18.86		2 6 1969	0.94	13.23	
				23 6 1969	0.97	14.09	

24005

BROWNEY AT BURN HALL

GRID REF N2259387 AREA 178.8 SQ. KM
 PERIOD OF RECORD 1 10 1954 TO 30 9 1969

NRA THRESHOLD 16.00 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
24 10 1954	0.90	16.83		11 12 1957	0.92	17.62	
6 11 1954	1.06	22.86		11 2 1958	1.08	23.78	
27 11 1954	1.05	22.47		27 2 1958	0.92	17.28	
8 12 1954	1.31	35.03		29 3 1958	1.07	23.38	
24 3 1955	0.95	18.43		4 4 1958	0.91	17.17	
29 1 1956	1.10	24.98		14 5 1958	1.02	21.20	
4 2 1956	0.98	19.61		16 7 1958	0.99	20.22	
28 2 1956	1.05	22.73		18 12 1958	1.18	28.63	
27 8 1956	1.21	30.09		22 1 1959	1.09	24.17	
2 9 1956	0.99	20.22		28 1 1960	0.91	17.17	
5 9 1956	1.17	28.05		31 1 1960	0.93	17.85	
13 2 1957	0.89	16.50		26 2 1960	1.18	28.34	
22 9 1957	1.04	22.09		15 3 1960	0.95	18.54	
				13 5 1960	0.97	19.37	

24005

BROWNEY AT BURN HALL

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
8 10 1960	0.96	19.13		9 12 1965	0.99	20.34	
9 10 1960	1.26	32.36		8 2 1966	1.18	28.63	
20 10 1960	1.27	32.98		21 2 1966	1.03	21.83	
23 10 1960	1.10	24.98		25 2 1966	1.17	27.91	
27 10 1960	1.14	26.35		9 4 1966	1.44	42.25	
1 11 1960	1.24	31.44		14 8 1966	1.01	20.83	
3 1 1961	1.14	26.49		3 10 1966	1.03	21.96	
6 1 1961	1.04	22.22		22 2 1967	1.06	23.25	
29 1 1961	0.89	16.39		11 5 1967	0.96	18.90	
4 5 1961	1.12	25.53		15 5 1967	0.97	19.25	
14 7 1961	1.43	41.72		9 8 1967	1.16	27.62	
7 1 1962	0.89	16.50		14 8 1967	0.88	16.06	
8 1 1962	0.90	16.72		18 8 1967	0.99	20.09	
23 11 1962	0.89	16.17		17 10 1967	1.40	39.99	
7 3 1963	1.66	55.82		1 11 1967	0.96	19.01	
9 3 1963	0.92	17.62		5 11 1967	1.70	58.47	
10 11 1963	1.15	27.19		12 9 1968	0.98	19.55	
21 11 1963	0.92	17.39		20 9 1968	0.91	16.89	
14 3 1964	1.15	27.19		2 11 1968	1.25	31.61	
25 3 1964	1.48	44.56		18 12 1968	1.77	62.81	
23 3 1965	1.04	22.34		20 12 1968	1.10	24.56	
29 9 1965	1.02	21.45		7 1 1969	1.07	23.26	
1 10 1965	1.00	20.58		12 1 1969	1.04	21.99	
17 11 1965	1.21	29.80		31 3 1969	0.98	19.55	
19 11 1965	1.51	46.38		3 5 1969	1.16	27.28	
23 11 1965	0.90	16.72		6 5 1969	1.24	31.11	
				2 6 1969	0.94	18.01	
				23 6 1969	1.05	22.41	
				18 9 1969	0.96	18.77	

24006

ROOKHOPE BURN AT EASTGATE

GRID REF	NY953391	AREA	36.5 SQ. KM	NRA	GRADE A1		
PERIOD OF RECORD	30 9 1960 TO	30 9 1969		THRESHOLD	11.40 CUMECs		
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
9 10 1960	1.50	29.76		16 1 1965	1.17	17.45	
27 10 1960	1.06	13.95		26 3 1965	1.14	16.58	
1 11 1960	1.11	15.44		25 9 1965	1.17	17.56	
2 11 1960	1.06	13.95		1 11 1965	1.07	14.24	
25 12 1960	1.02	12.56		19 11 1965	1.07	14.15	
27 1 1961	1.04	13.20		9 12 1965	1.16	17.34	
29 1 1961	1.58	32.92		17 12 1965	0.98	11.50	
30 3 1961	1.05	13.48		25 2 1966	1.27	20.96	
15 7 1961	1.49	29.15		9 4 1966	1.02	12.56	
11 12 1961	1.06	13.76		13 8 1966	1.37	24.72	
11 1 1962	1.11	15.94		3 10 1966	1.40	25.62	1
15 1 1962	1.28	21.38		17 12 1966	1.34	23.61	
11 2 1962	1.15	17.01		19 12 1966	1.04	13.20	
2 4 1962	1.17	17.56		25 2 1967	1.02	12.56	
7 4 1962	1.16	17.23		27 2 1967	1.24	20.05	
11 9 1962	1.06	13.76		15 5 1967	1.09	14.93	
6 3 1963	1.20	18.67		18 8 1967	1.13	16.16	
7 3 1963	1.10	15.14		16 10 1967	1.41	26.19	
28 6 1963	1.03	12.83		5 11 1967	1.60	33.57	
4 7 1963	0.99	11.67		5 3 1968	1.00	12.11	
10 11 1963	1.06	13.95		19 3 1968	1.03	12.83	
12 11 1963	1.28	21.27		23 3 1968	1.56	32.27	
18 11 1963	1.05	13.48		22 9 1968	1.00	11.94	
21 11 1963	1.29	21.79		31 10 1968	1.22	19.28	
24 3 1964	1.00	12.20		2 11 1968	1.11	15.35	
8 12 1964	1.34	23.39		22 12 1968	1.45	27.44	
13 1 1965	0.99	11.85		30 3 1969	1.20	18.53	

24801

BURNHOPE BURN AT BURNHOPE RESERVOIR

 GRID REF NY855395 AREA 21.0 SQ. KM
 PERIOD OF RECORD 1 7 1950 TO 31 12 1970

 DCWB THRESHOLD 13.20 GRADE D
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
6 9 1950		22.21		14 7 1961		34.10	
17 9 1950		18.26					
22 11 1950		14.73		17 10 1961		14.63	
16 1 1951		15.15		10 12 1961		22.89	
22 3 1951		17.26		10 1 1962		20.42	
				15 1 1962		21.05	
5 11 1951		18.79		24 1 1962		13.89	
7 12 1951		23.84		11 2 1962		27.42	
10 8 1952		13.52		2 4 1962		31.62	
24 9 1952		15.79		7 4 1962		27.89	
				10 8 1962		24.78	
1 10 1952		13.31					
4 11 1952		21.15		6 3 1963		20.31	
3 6 1953		14.58		25 9 1963		32.10	
21 9 1953		22.99					
				12 11 1963		18.36	
12 11 1953		15.42		18 11 1963		15.73	
6 5 1954		17.63		21 11 1963		23.68	
17 8 1954		26.15		18 8 1964		14.47	
15 9 1954		21.21					
				13 11 1964		16.15	
23 10 1954		16.73		7 12 1964		24.21	
27 11 1954		18.52		8 12 1964		26.84	
2 12 1954		28.94		10 1 1965		15.42	
9 1 1955		33.62					
1 4 1955		13.37		29 10 1965		13.68	
5 5 1955		18.52		31 10 1965		13.73	
3 7 1955		15.84		17 12 1965		17.89	
				25 2 1966		14.79	
27 12 1955		20.68					
1 3 1956		18.47		3 10 1966		29.63	
				17 12 1966		22.89	
14 12 1956		16.52		27 2 1967		15.05	
4 1 1957		17.00		17 7 1967		17.31	
10 8 1957		17.31		18 8 1967		36.47	
24 8 1957		18.52					
				6 10 1967		20.21	
7 12 1957		34.36		5 11 1967		16.94	
11 2 1958		17.84		22 12 1967		16.94	
				19 3 1968		18.05	
18 12 1958		13.31		24 3 1968		36.04	
1 1 1959		26.26		12 9 1968		36.04	
26 10 1959		24.89		23 12 1968		16.68	
19 11 1959		20.36		29 3 1969		13.26	
21 1 1960		30.89					
				2 11 1969		16.00	
9 10 1960		18.73		18 11 1969		14.37	
2 11 1960		16.84		21 2 1970		14.58	
25 12 1960		18.15		20 8 1970		14.79	
29 1 1961		23.05					
30 3 1961		20.26		31 10 1970		17.36	
				23 11 1970		20.00	

25001

TEES AT BROKEN SCAR

 GRID REF NZ259137 AREA 818. SQ. KM
 PERIOD OF RECORD 1 10 1956 TO 30 9 1969

 NRA THRESHOLD 210.00 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 1 1957	1.96	213.40		29 3 1958	2.12	255.89	
11 8 1957	2.42	351.46		23 5 1958	1.98	218.97	
25 8 1957	2.09	248.93					
29 10 1957	1.99	222.19		19 12 1958	2.41	348.31	
7 12 1957	2.40	346.21		1 1 1959	2.43	354.63	
5 1 1958	2.33	321.64					
27 1 1958	2.01	225.44		26 10 1959	2.24	291.45	
4 2 1958	2.19	277.46		7 12 1959	1.96	212.62	
11 2 1958	2.39	342.04		26 12 1959	1.95	211.04	
15 2 1958	2.15	264.76		22 1 1960	2.42	352.52	
				27 2 1960	1.95	211.04	

25001

TEES AT BROKEN SCAR

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 10 1960	2.16	268.35		12 12 1964	2.16	268.35	
2 11 1960	2.20	279.30		10 1 1965	2.15	264.76	
24 11 1960	2.26	299.07		13 1 1965	2.08	246.35	
3 12 1960	2.24	291.45		16 1 1965	2.13	259.42	
25 12 1960	2.31	315.66		4 8 1965	2.02	229.53	
27 1 1961	2.18	275.62		25 9 1965	2.31	315.66	
29 1 1961	2.18	274.70		9 12 1965	2.57	406.52	
8 2 1961	2.13	261.19		17 12 1965	2.21	284.87	
30 3 1961	2.28	305.84		25 2 1966	2.40	346.21	
4 5 1961	2.19	277.46		9 4 1966	2.10	250.66	
14 7 1961	2.22	286.74		13 8 1966	2.73	470.03	
17 10 1961	2.45	362.10		3 10 1966	2.31	315.66	
4 12 1961	2.18	274.70		18 12 1966	2.20	279.30	
11 12 1961	2.46	367.49		19 12 1966	2.64	433.42	
10 1 1962	2.21	283.00		22 2 1967	2.10	250.66	
15 1 1962	2.47	369.66		27 2 1967	2.38	339.97	
11 2 1962	2.56	400.81		15 5 1967	2.13	258.53	
2 4 1962	2.43	354.63		18 8 1967	2.79	495.39	
7 4 1962	2.07	242.08		6 10 1967	2.58	409.97	
11 8 1962	2.16	268.35		16 10 1967	2.87	526.86	
12 9 1962	2.04	233.67		5 11 1967	2.18	275.62	
6 3 1963	2.75	478.82		23 12 1967	2.17	271.97	
26 9 1963	1.98	217.37		14 1 1968	2.08	244.64	
3 10 1963	2.02	229.53		19 3 1968	2.48	371.84	
10 11 1963	2.19	277.46		23 3 1968	3.16	667.20	
18 11 1963	2.19	276.54		12 9 1968	2.34	323.36	
21 11 1963	2.60	418.10		31 10 1968	2.42	350.37	
8 12 1964	2.68	447.86		22 12 1968	2.08	244.14	

25002

TEES AT DENT BANK

GRID REF	NY932260	AREA	217. SQ. KM	NRA	THRESHOLD	163.00	GRADE	A1
PERIOD OF RECORD	20	6	1959 TO	30	9	1969	CUMECS	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE	
26 10 1959	2.63	351.85		29 12 1964	2.19	214.50		
22 1 1960	2.46	294.92		10 1 1965	2.02	172.77		
2 11 1960	2.01	169.24		16 1 1965	2.16	206.51		
24 11 1960	2.02	172.77		25 9 1965	2.16	206.51		
25 12 1960	2.27	237.87		9 12 1965	2.10	192.57		
29 1 1961	2.13	198.69		17 12 1965	2.25	231.05		
30 3 1961	2.42	280.44		25 2 1966	2.22	222.68		
14 7 1961	2.37	266.39		13 8 1966	2.51	309.85		
3 8 1961	2.31	248.34		4 9 1966	2.10	191.06		
17 10 1961	2.46	294.92		3 10 1966	2.46	294.92		
4 12 1961	2.02	172.77		15 11 1966	2.01	170.65		
11 12 1961	2.27	237.01		17 12 1966	2.30	243.95		
10 1 1962	2.16	206.51		19 12 1966	2.39	271.03		
15 1 1962	2.34	255.47		27 2 1967	2.10	191.06		
11 2 1962	2.46	294.92		18 8 1967	2.42	331.36		
2 4 1962	2.28	239.60		4 9 1967	1.88	176.24		
7 4 1962	2.22	222.68		6 10 1967	2.31	294.79		
10 8 1962	2.49	304.82		14 10 1967	1.92	183.51		
23 8 1962	2.25	231.05		16 10 1967	2.07	222.57		
26 8 1962	2.10	191.06		22 12 1967	2.05	218.46		
11 9 1962	2.07	183.61		14 1 1968	1.87	172.67		
6 3 1963	2.33	252.78		19 3 1968	2.28	285.09		
25 9 1963	2.31	248.34	9	23 3 1968	2.72	445.58		
2 10 1963	2.22	222.68		1 4 1968	1.98	198.59		
17 11 1963	2.10	191.06		19 4 1968	1.90	178.67		
21 11 1963	2.51	309.85		3 7 1968	2.02	208.57		
8 12 1964	2.62	346.42		12 9 1968	2.18	252.86		
12 12 1964	2.14	202.58		31 10 1968	1.86	169.31		
				22 12 1968	2.00	203.39		

25003

TROUT BECK AT MOOR HOUSE

GRID REF NY759336 AREA 11.4 SQ.KM
 PERIOD OF RECORD 1 10 1962 TO 30 9 1969

NRA THRESHOLD 9.50 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
29 10 1962	0.82	10.45		14 7 1967	0.84	10.97	
11 12 1962	0.81	10.12		30 7 1967		12.70	
5 3 1963	0.94	13.98		3 8 1967	0.92	13.48	
7 9 1963	0.85	11.06		11 8 1967	0.90	12.61	
26 9 1963	0.88	11.96		18 8 1967	0.96	14.79	
				29 9 1967	0.86	11.51	
2 10 1963	0.94	14.08					
17 11 1963	0.88	11.96		10 11 1967	0.80	9.70	
21 11 1963	0.91	13.09		22 12 1967	0.80	9.87	
8 8 1964	0.97	15.10		27 12 1967	0.81	10.03	
18 8 1964	0.87	11.87		14 1 1968	0.93	13.58	
9 9 1964	0.81	9.95		18 1 1968	0.95	14.38	
				19 3 1968	0.79	9.62	
11 12 1964	0.83	10.71		23 3 1968	0.96	14.48	
29 12 1964	0.92	13.38		1 4 1968	0.87	11.87	
21 6 1965	0.84	10.80		18 4 1968	0.85	11.05	
9 9 1965	0.86	11.60		22 6 1968	0.86	11.34	
15 9 1965	0.92	13.48		3 7 1968	1.14	21.21	
				9 7 1968	0.83	10.48	
9 12 1965	1.11	20.34		12 9 1968	1.02	16.57	
17 12 1965	0.84	10.89		20 9 1968	0.94	13.82	
25 2 1966	0.88	11.96		22 9 1968	0.93	13.49	
27 6 1966	0.86	11.60		28 9 1968	0.82	10.20	
13 8 1966	1.21	24.63					
4 9 1966	0.92	13.29		1 10 1968	0.83	10.48	
11 9 1966	0.84	10.97		27 10 1968	0.82	10.20	
14 9 1966	0.81	10.12		22 12 1968	0.82	10.20	
				29 3 1969	1.05	17.67	
3 10 1966	0.88	12.15		11 9 1969	0.89	12.24	
19 12 1966	1.06	18.31					

25004

SKERNE AT SOUTH PARK

GRID REF N2284129 AREA 219. SQ.KM
 PERIOD OF RECORD 23 9 1957 TO 30 9 1969

NRA THRESHOLD 11.15 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 2 1958	1.05	23.18		24 3 1965	0.78	12.07	
27 2 1958	0.90	16.61					
29 3 1958	0.76	11.24		17 11 1965	0.76	11.34	
4 4 1958	0.99	20.66		20 11 1965	0.85	14.65	
22 8 1958	0.78	12.07		3 12 1965	0.81	12.93	
				9 12 1965	1.01	21.39	
19 12 1958	0.90	16.48		27 1 1966	0.78	12.07	
22 1 1959	1.12	27.02		8 2 1966	0.96	19.12	
				20 2 1966	1.05	23.18	
31 1 1960	0.93	17.64		25 2 1966	0.91	16.74	
25 2 1960	0.85	14.41		9 4 1966	1.21	32.47	
9 10 1960	0.89	16.23		15 10 1966	0.79	12.28	
20 10 1960	0.93	17.64		23 2 1967	0.96	18.98	
23 10 1960	0.81	12.82		15 5 1967	0.82	13.49	
1 11 1960	0.97	19.53		14 7 1967	0.78	11.96	
24 11 1960	0.76	11.34					
4 12 1960	0.77	11.44		17 10 1967	1.21	32.47	
4 1 1961	0.89	15.98		1 11 1967	0.81	12.82	
6 1 1961	0.88	15.61		5 11 1967	1.28	36.28	
22 1 1961	0.83	13.72		16 1 1968	0.78	11.74	
5 5 1961	0.86	15.00		8 2 1968	0.77	11.40	
				20 9 1968	0.79	12.09	
13 12 1961	0.76	11.24					
6 1 1962	0.77	11.65		28 10 1968	0.91	16.68	
				2 11 1968	1.16	28.99	
6 3 1963	1.32	39.30		18 12 1968	1.25	34.36	
4 7 1963	0.77	11.65		12 1 1969	0.90	16.26	
				20 1 1969	0.83	13.53	
10 11 1963	0.92	17.25		23 2 1969	0.88	15.45	
17 11 1963	0.83	13.60		13 3 1969	0.86	14.67	
14 3 1964	1.06	24.11		20 3 1969	0.89	15.86	
25 3 1964	0.99	20.23		31 3 1969	0.91	16.68	

25004 SKERNE AT SOUTH PARK

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
3 5 1969	0.80	12.44		3 6 1969	0.84	13.90	
6 5 1969	0.93	18.40					

25005 LEVEN AT LEVEN BRIDGE

GRID REF NZ445122 AREA 196. SQ.KM NRA THRESHOLD 14.90 GRADE A2 CUMECs
 PERIOD OF RECORD 1 6 1959 TO 30 9 1969
 SIGNIFICANT GAPS 1 10 1960 TO 30 9 1961

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 12 1959	0.73	16.17		25 2 1966	0.94	26.87	
7 12 1959	0.85	21.88		21 8 1966	0.82	20.79	
19 1 1960	0.72	15.76		4 10 1966	0.74	16.85	
28 1 1960	1.08	35.71		27 10 1966	0.76	17.83	
31 1 1960	0.99	29.92		3 11 1966	0.72	15.76	
25 2 1960	0.97	29.00		6 11 1966	0.80	19.58	
27 2 1960	0.94	26.87		18 11 1966	0.74	16.99	
20 10 1961	0.77	17.97		23 1 1967	0.97	29.00	
6 1 1962	0.85	22.20		28 2 1967	0.95	27.39	
11 1 1962	0.74	16.71		9 3 1967	0.74	16.58	
18 11 1962	0.86	22.51		8 4 1967	0.87	23.00	
23 11 1962	0.74	16.71		15 5 1967	1.13	39.01	
14 12 1962	0.89	24.31		28 5 1967	0.73	16.17	
5 3 1963	1.31	52.20		14 7 1967	0.78	18.84	
9 3 1963	0.84	21.72		18 8 1967	0.75	17.27	
29 6 1963	0.72	16.03		17 10 1967	0.92	26.00	
5 8 1963	0.73	16.17		5 11 1967	1.49	68.42	
14 3 1964	0.99	30.10		16 7 1968	0.94	26.76	
25 3 1964	0.87	23.32		21 9 1968	1.06	34.07	
29 9 1965	0.94	26.87		31 10 1968	0.95	27.34	
1 10 1965	0.82	20.48		2 11 1968	1.80	98.76	
3 12 1965	1.09	36.11		18 12 1968	1.05	33.43	
8 2 1966	0.85	22.20		4 1 1969	0.85	21.86	
21 2 1966	0.91	25.49		7 1 1969	1.00	30.30	
				23 2 1969	0.95	27.34	
				31 3 1969	0.92	25.63	
				6 5 1969	0.86	22.38	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM 1960-1961

25006 GRETA AT RUTHERFORD BRIDGE

GRID REF NZ034122 AREA 86.2 SQ.KM NRA THRESHOLD 39.00 GRADE B CUMECs
 PERIOD OF RECORD 22 8 1960 TO 30 9 1969

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 10 1960	1.40	54.69		18 11 1963	1.24	42.98	
1 11 1960	1.27	44.53		21 11 1963	1.31	47.49	
2 11 1960	1.61	73.59		8 12 1964	1.54	67.34	
3 12 1960	1.32	48.65		12 12 1964	1.28	45.20	
25 12 1960	1.38	53.46		10 1 1965	1.26	44.30	
27 1 1961	1.58	70.71		13 1 1965	1.39	53.95	
30 3 1961	1.22	41.24		25 9 1965	1.20	39.75	
4 5 1961	1.38	53.46		28 9 1965	1.24	42.32	
14 7 1961	1.34	49.83		9 12 1965	1.59	71.57	
4 12 1961	1.37	52.23		5 2 1966	1.26	43.86	
10 1 1962	1.29	46.34		25 2 1966	1.36	51.75	
15 1 1962	1.44	58.50		13 8 1966	1.98	113.23	5
2 4 1962	1.52	65.13		CHART RECORDED	6.29	PEAK LEVEL OBSERVED	
26 8 1962	1.37	52.23		4 9 1966	1.22	41.45	
6 3 1963	1.69	81.05		3 10 1966	1.50	63.78	
2 7 1963	1.20	39.75		14 10 1966	1.23	41.89	
2 9 1963	1.53	65.68		29 11 1966	1.19	39.33	
10 11 1963	1.33	49.36		19 12 1966	1.48	61.90	
				22 2 1967	1.78	90.51	

25006 GRETA AT RUTHERFORD BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 2 1967	1.63	75.06		23 3 1968	1.73	85.08	
15 5 1967	1.41	55.95		12 9 1968	1.95	109.17	
8 8 1967	1.37	52.72		20 9 1968	1.34	49.74	
18 8 1967	1.72	84.14		31 10 1968	1.47	60.39	
6 10 1967	1.41	55.95		20 12 1968	1.38	52.90	
16 10 1967	1.70	81.98		21 12 1968	1.27	44.45	
5 3 1968	1.32	48.89		30 3 1969	1.27	44.45	
19 3 1968	1.44	58.50	2				

25007 CLOW BECK AT CROFT

GRID REF	NZ282101	AREA	78.2 SQ.KM	NRA	THRESHOLD	GRADE	D
PERIOD OF RECORD	1 10 1964 TO	30 9 1969		9.00	CUMECs		
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
23 3 1965	1.03	12.05		15 5 1967	1.10	14.34	
19 11 1965	0.91	9.00		18 8 1967	1.15	15.93	
9 12 1965	1.18	16.98		16 10 1967	1.58	34.23	
8 2 1966	1.04	12.49		5 11 1967	1.15	15.93	
20 2 1966	1.08	13.49		23 3 1968	1.43	26.81	
9 4 1966	1.34	22.81		28 10 1968	0.98	10.58	
22 2 1967	1.06	13.03		31 10 1968	1.15	15.66	
27 2 1967	1.24	19.19		18 12 1968	1.24	18.83	

25008 TEES AT BARNARD CASTLE

GRID REF	NZ047166	AREA	509.2 SQ.KM	NRA	THRESHOLD	GRADE	A1
PERIOD OF RECORD	29 7 1964 TO	30 9 1969		155.00	CUMECs		
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
8 12 1964	1.82	194.60		8 8 1967	1.67	160.93	
9 12 1965	2.19	290.62		14 8 1967	1.71	168.69	
17 12 1965	1.64	155.23		18 8 1967	2.53	394.26	
25 2 1966	1.67	160.93		1 10 1967	1.67	159.65	
13 8 1966	2.25	307.60		6 10 1967	2.27	314.91	
4 9 1966	1.73	173.98		16 10 1967	2.19	289.74	
14 9 1966	1.65	155.86		5 11 1967	1.76	180.71	
3 10 1966	1.93	220.24		14 1 1968	1.82	194.60	
7 12 1966	1.67	159.65		19 3 1968	1.88	206.84	
17 12 1966	2.10	264.03		25 3 1968	2.89	513.01	
19 12 1966	2.44	366.54		1 4 1968	1.83	196.01	
22 2 1967	1.67	159.65		12 9 1968	1.93	218.88	
27 2 1967	2.00	237.24		31 10 1968	1.77	181.19	
15 5 1967	1.70	166.08		22 12 1968	1.86	201.92	

25010 BAYDALE BECK AT MOWDEN BRIDGE

GRID REF	NZ260156	AREA	31.1 SQ.KM	NRA	THRESHOLD	GRADE	D
PERIOD OF RECORD	25 9 1957 TO	30 9 1969		2.90	CUMECs		
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 2 1958	1.27	5.27		25 2 1960	1.15	4.27	
27 2 1958	1.00	3.09		9 10 1960	1.25	5.09	
4 4 1958	1.14	4.22		20 10 1960	1.37	5.99	
15 7 1958	1.08	3.73		23 10 1960	1.03	3.35	
11 12 1958	1.01	3.21		1 11 1960	1.36	5.97	
19 12 1958	1.28	5.29		4 12 1960	1.01	3.21	
20 1 1959	1.04	3.42		4 1 1961	1.11	3.95	
22 1 1959	1.53	7.32		6 1 1961	1.04	3.42	
28 1 1960	1.12	4.07		22 1 1961	1.09	3.78	
31 1 1960	1.14	4.17		5 5 1961	1.22	4.90	
				5 1 1962	0.97	2.91	

25010

BAYDALE BECK AT MOWDEN BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
6 3 1963	1.73	8.90		15 5 1967	1.36	5.92	
7 11 1963	0.98	2.98		29 5 1967	1.10	3.85	
10 11 1963	1.40	6.25		14 7 1967	1.28	5.32	
17 11 1963	1.08	3.75		14 8 1967	1.15	4.27	
14 3 1964	1.62	8.04		18 8 1967	1.32	5.62	
25 3 1964	1.28	5.34		17 10 1967	1.80	9.49	
23 3 1965	1.04	3.44		1 11 1967	1.09	3.80	
29 9 1965	1.05	3.49		5 11 1967	1.83	9.78	
17 11 1965	1.09	3.82		16 1 1968	0.98	2.96	
19 11 1965	1.16	4.40		2 7 1968	1.36	5.90	
3 12 1965	1.01	3.16		20 9 1968	1.01	3.15	
9 12 1965	1.59	7.79		28 10 1968	1.20	4.67	
28 1 1966	0.98	2.93		31 10 1968	1.41	6.29	
8 2 1966	1.11	3.97		2 11 1968	1.45	6.61	
21 2 1966	1.24	5.02		18 12 1968	1.97	10.94	
25 2 1966	1.08	3.73		22 12 1968	1.02	3.22	
9 4 1966	1.62	8.04		7 1 1969	1.12	4.01	
12 5 1966	1.16	4.40		12 1 1969	1.19	4.59	
21 8 1966	1.03	3.32		21 1 1969	1.02	3.22	
15 10 1966	1.03	3.30		14 3 1969	1.08	3.69	
1 12 1966	0.97	2.91		20 3 1969	1.09	3.77	
23 2 1967	1.28	5.29		31 3 1969	1.22	4.84	
				3 5 1969	1.06	3.53	
				6 5 1969	1.22	4.84	
				2 6 1969	1.31	5.52	

25808

BURNT WEIR AT MOOR HOUSE (FLOWS MULTIPLIED BY 100)

GRID REF NY752332 AREA 0.048 SQ.KM NC GRADE C
 PERIOD OF RECORD 23 11 1953 TO 17 5 1962 THRESHOLD 6.25 CUMECs
 SIGNIFICANT GAPS
 31 12 1959 TO 29 12 1960

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 12 1953		6.36		10 8 1957		6.78	
15 6 1954		13.17	2	24 8 1957		6.57	
10 9 1954		6.36		7 12 1957		7.96	
15 9 1954		6.36		4 2 1958		6.57	
18 10 1954		8.65		11 2 1958		7.96	2 4
18 10 1954		8.46		18 4 1958		6.78	
23 10 1954		8.21		23 5 1958		6.36	
27 11 1954		7.01		19 9 1958		7.24	
30 11 1954		6.36		24 9 1958		7.47	
1 12 1954		7.96		6 10 1958		7.47	
4 12 1954		6.50		12 10 1958		7.01	
10 1 1955		10.82		26 10 1959		8.21	
4 5 1955		6.57		19 11 1959		6.57	
3 7 1955		8.21	4	8 2 1961		6.82	
27 12 1955		7.71	4	30 3 1961		12.76	
29 2 1956		7.71		4 5 1961		6.32	
1 3 1956		6.78		14 7 1961		7.76	
11 8 1956		6.36		3 8 1961		16.27	
27 8 1956		7.71		8 8 1961		6.32	
27 9 1956		7.47		16 10 1961		6.48	
30 9 1956		7.24					
15 3 1957		7.47					

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1959-1960 1960-1961

25809 BOG WEIR AT MOOR HOUSE (FLOWS MULTIPLIED BY 100)

GRID REF NY773327 AREA 0.055 SQ.KM NC GRADE A1
 PERIOD OF RECORD 3 12 1953 TO 24 5 1962 THRESHOLD 4.02 CUMECs
 SIGNIFICANT GAPS
 31 12 1959 TO 29 12 1960

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
19 1 1954		4.67		4 2 1958		4.34	
20 1 1954		4.50		11 2 1958		5.38	
15 6 1954		7.48		19 12 1958		4.34	
10 9 1954		5.02		1 1 1959		5.02	
23 10 1954		5.51		26 10 1959		9.27	
28 10 1954		4.67		27 1 1961		4.50	7
2 12 1954		6.16		29 1 1961		4.67	
14 12 1954		5.02		30 3 1961		6.68	
10 1 1955		6.57		14 7 1961		5.57	
3 7 1955		4.84		3 8 1961		5.96	
20 1 1956		4.34		16 10 1961		10.64	
29 2 1956		4.67		11 12 1961		6.36	
27 9 1956		4.18		10 1 1962		5.57	
19 10 1956		4.18		15 1 1962		7.73	
24 8 1957		5.07		24 1 1962		4.84	
7 12 1957		7.48		2 4 1962		6.36	
4 1 1958		5.96		6 4 1962		6.78	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1959-1960 1960-1961

25810 SYKE WEIR AT MOOR HOUSE (FLOWS MULTIPLIED BY 100)

GRID REF NY772333 AREA 0.038 SQ.KM NC GRADE A1
 PERIOD OF RECORD 15 8 1956 TO 24 5 1962 THRESHOLD 4.02 CUMECs
 SIGNIFICANT GAPS
 31 12 1959 TO 29 12 1960

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 8 1956		6.99		19 12 1958		6.00	
19 10 1956		4.40		1 1 1959		6.48	
15 3 1957		5.38		27 7 1959		9.58	
14 5 1957		4.14		26 10 1959		9.93	
10 8 1957		5.68		19 11 1959		6.32	
24 8 1957		10.77		29 1 1961		6.99	
5 11 1957		5.53		8 2 1961		4.49	
7 12 1957		8.85		30 3 1961		7.66	
4 1 1958		6.65		14 7 1961		4.66	
4 2 1958		7.16		3 8 1961		8.86	
11 2 1958		9.24		16 10 1961		9.33	
15 2 1958		4.27		10 12 1961		7.66	
23 5 1958		4.27		10 1 1962		7.43	
15 7 1958		4.14		15 1 1962		4.83	
24 9 1958		6.48		24 1 1962		4.66	
6 10 1958		6.00		11 2 1962		4.66	
12 10 1958		5.38					

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1959-1960 1960-1961

26001 WEST BECK AT WANSFORD BRIDGE

GRID REF TA064560 AREA 192. SQ.KM YRA GRADE B
 PERIOD OF RECORD 1 3 1953 TO 3 10 1969 ANNUAL MAXIMA

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
22 3 1954		3.96		30 1 1959		5.38	
8 12 1954		7.14		7 2 1960		9.80	
13 2 1956		6.88		4 12 1960		10.73	
10 2 1957		4.53		31 1 1962		4.81	
10 3 1958		8.07		5 3 1963		7.73	

26001 WEST BECK AT WANSFORD BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
18 4 1964		5.66		28 2 1967		5.21	
26 9 1965		2.83		8 2 1968		4.53	
10 12 1965		11.61		28 1 1969		9.34	

26002 HULL AT HEMPHOLME LOCK

GRID REF TA080498 AREA 378. SQ.KM
 PERIOD OF RECORD 1 10 1949 TO 30 9 1969

HCW GRADE D
 ANNUAL MAXIMA

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
9 3 1950		9.94		FROM CURRENT METERINGS 1952-61			
10 1 1951		12.10		30 12 1961		12.99	
26 11 1951		8.00		6 3 1963		9.99	2
FROM FLOAT MEASUREMENTS 1949-52				RECORDER OUT OF ACTION, ESTIMATE MADE			
12 2 1953		10.63		15 3 1964		13.83	
25 3 1954		6.21		ESTIMATED BY COMPARISON WITH 25 3 1964			
11 12 1954		14.57		29 9 1965		11.52	
1 3 1956		10.15		26 12 1965		17.46	2
8 2 1957		8.21		CURRENT METERING RECORD AS GATE DROWNED			
26 2 1958		18.30		15 5 1967		14.68	
11 2 1959		8.15		6 5 1968		13.31	2
3 2 1960		17.67		28 1 1969		18.04	2
3 12 1960		18.94		CURRENT METERING RECORD AS GATE DROWNED			

26003 FOSTON BECK AT FOSTON MILL

GRID REF TA093548 AREA 57.2 SQ.KM
 PERIOD OF RECORD 1 10 1959 TO 30 9 1968

YRA GRADE A2
 ANNUAL MAXIMA

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 2 1960		2.38		9 9 1965		0.54	
20 12 1960		2.86		25 2 1966		2.77	
30 12 1961		1.08		15 5 1967		1.76	
6 3 1963		2.09		31 1 1968		1.02	
15 3 1964		1.42					

26801 CATCHWATER AT WITHERNWICK

GRID REF TA171403 AREA 6.1 SQ.KM
 PERIOD OF RECORD 17 2 1965 TO 30 9 1969

YRA GRADE C
 THRESHOLD 0.70 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
18 11 1965	0.89	1.14		28 2 1967	0.92	1.23	
25 11 1965	0.94	1.28		28 5 1967	0.92	1.20	
29 11 1965	1.07	1.73		6 11 1967	0.93	1.26	
3 12 1965	0.92	1.23		25 12 1967	0.76	0.78	
9 12 1965	0.91	1.18		16 1 1968	0.78	0.82	
13 12 1965	0.87	1.07		7 2 1968	0.85	1.01	
18 12 1965	0.83	0.95		7 5 1968	1.08	1.78	2 3
28 1 1966	0.86	1.05		1 11 1968	0.97	1.37	
9 2 1966	1.08	1.77	2 3	7 1 1969	0.99	1.45	
2 3 1966	1.00	1.49	2	15 1 1969	0.88	1.09	
9 4 1966	0.92	1.23		21 1 1969	0.97	1.38	
12 4 1966	0.80	0.87		23 2 1969	1.06	1.71	2 4
8 8 1966	0.77	0.79		13 3 1969	0.91	1.18	
21 8 1966	0.85	1.02		19 3 1969	0.95	1.30	
22 11 1966	0.74	0.74		28 4 1969	1.03	1.59	
22 2 1967	0.83	0.96		3 6 1969	0.97	1.38	

27001

NIDD AT HUNSINGORE WEIR

GRID REF SE428530 AREA 484. SQ. KM
 PERIOD OF RECORD 15 5 1934 TO 1 10 1969
 SIGNIFICANT GAPS
 9 11 1939 TO 28 11 1939 20 2 1941 TO

YRA THRESHOLD 66.50 CUMECs GRADE A2

6 3 1941 6 9 1945 TO 27 9 1945

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 12 1934		97.24		23 4 1947		89.02	2
16 2 1935		189.02		15 6 1947		77.52	2
9 10 1935		68.84		9 1 1948		74.93	2
30 10 1935		72.21		11 1 1948		90.28	2
17 11 1935		77.26		13 1 1948		81.40	2
21 11 1935		72.34		6 4 1949		95.47	
28 1 1936		91.80		10 2 1950		99.14	
6 8 1936		82.54		15 2 1950		158.01	4 2
14 12 1936		115.52		6 9 1950		76.22	
1 2 1937		78.17		22 11 1950		92.82	
15 2 1937		70.14		17 1 1951		67.15	
16 1 1938		78.55		18 3 1951		81.40	
2 10 1938		79.33		5 5 1951		172.92	
4 10 1938		119.28		27 5 1951		97.87	
8 10 1938		162.99		5 11 1951		179.12	
13 10 1938		74.93		8 11 1951		88.76	
26 11 1938		69.49		11 11 1951		74.02	
1 12 1938		102.92		24 11 1951		85.85	
7 1 1939		83.56		9 12 1951		67.02	
9 1 1939		80.75		23 12 1951		70.01	
15 1 1939		143.06		28 12 1951		76.74	
18 1 1939		69.62		28 10 1952		65.60	
28 2 1939		76.61		29 5 1954		77.26	
23 2 1940		91.80		21 8 1954		213.70	
11 11 1940		83.69	2	26 10 1954		78.81	
8 2 1941		153.04		6 11 1954		86.73	
17 2 1941		77.13		8 11 1954		70.52	
8 3 1941		67.02		27 11 1954		69.49	
3 4 1941		74.15		23 12 1955		78.29	
17 3 1942		65.08		21 1 1956		81.40	
7 2 1943		76.22	2	1 8 1956		79.33	
23 1 1944		149.30	2	18 8 1956		83.94	
25 1 1944		81.40	2	27 8 1956		111.74	
2 9 1944		94.08	2	2 9 1956		81.65	
20 10 1944		72.34	2	6 9 1956		67.67	
20 11 1944		116.77		23 9 1957		75.06	
28 11 1944		97.87		30 10 1957		96.86	
2 12 1944		72.34	2	4 11 1957		67.28	
17 12 1944		81.40	2	5 1 1958		78.29	
18 1 1945		131.82	2	6 1 1958		75.97	
30 1 1945		77.52	2	11 2 1958		100.40	
2 2 1945		107.97	2	13 2 1958		89.65	
4 2 1945		78.81	2	4 10 1958		78.04	
13 2 1945		104.19	2	19 12 1958		70.78	
1 4 1945		76.22	2	1 1 1959		81.27	
25 10 1945		91.55	2	22 1 1959		77.78	
30 10 1945		86.48	2	17 4 1959		76.61	
31 1 1946		68.45	2	28 12 1959		92.82	
7 2 1946		67.15	2	28 1 1960		69.49	
8 2 1946		80.11	2	31 1 1960		74.80	
21 9 1946		261.82	4 2	2 2 1960		72.34	
18 11 1946		68.45	2	8 10 1960		99.14	
21 11 1946		110.48	2	1 11 1960		74.54	
11 12 1946		74.93	2	2 11 1960		104.19	
11 1 1947		87.75	2	24 11 1960		74.54	
22 3 1947		181.59	2	26 11 1960		86.48	
26 3 1947		76.22		4 12 1960		151.79	
8 4 1947		104.19	2				

27001

NIDD AT HUNSSINGORE WEIR

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
29 1 1961		79.46		6 4 1966		73.61	
5 12 1961		66.53		9 4 1966		88.04	
11 12 1961		88.89		21 8 1966		76.72	
12 2 1962		73.61		22 2 1967		99.08	
6 3 1963		111.54		1 3 1967		131.92	
10 11 1963		78.98		15 5 1967		138.72	
18 11 1963		87.76		14 8 1967		75.02	
21 11 1963		148.63		18 8 1967		133.06	
14 3 1964		87.76		9 10 1967		70.49	
25 3 1964		90.88		17 10 1967		257.62	
13 12 1964		87.76		5 11 1967		99.93	
25 9 1965		80.12		20 3 1968		123.71	
2 12 1965		96.25		24 3 1968		87.19	
9 12 1965		251.96		2 7 1968		157.12	
18 12 1965		75.87		12 9 1968		305.75	
8 2 1966		121.73		30 9 1968		77.00	
20 2 1966		78.98		1 10 1968		71.91	
23 2 1966		107.58		31 10 1968		89.46	
25 2 1966		108.14		2 11 1968		226.48	
				31 3 1969		110.98	

27002

WHARFE AT FLINT MILL WEIR

GRID REF SE422473 AREA 759. SQ.KM YRA GRADE A1
 PERIOD OF RECORD 9 6 1936 TO 4 10 1969 THRESHOLD 146.00 CUMECs
 SIGNIFICANT GAPS
 23 12 1937 TO 13 1 1938 23 11 1939 TO 27 11 1939

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
14 12 1936		393.96		4 2 1945		212.87	
6 1 1937		203.15		14 2 1945		223.82	
16 1 1938		177.67		2 4 1945		221.39	
3 10 1938		198.29		25 10 1945		182.52	
4 10 1938		237.21		26 10 1945		198.29	
5 10 1938		166.77		1 2 1946		192.22	1
9 10 1938		283.59		7 2 1946		191.01	
12 10 1938		237.21		8 2 1946		154.67	
1 12 1938		175.24		23 2 1946		155.88	
8 1 1939		231.12		29 8 1946		151.05	
9 1 1939		240.87		21 9 1946		396.42	
15 1 1939		277.48		20 11 1946		178.88	
1 12 1939		217.74		28 11 1946		164.35	
11 11 1940		193.43		11 1 1947		167.98	
7 2 1941		180.09		16 1 1947		153.46	
8 2 1941		359.56		21 3 1947		320.31	
10 10 1941		169.19		23 3 1947		239.65	
18 10 1941		237.21		24 4 1947		147.42	
17 3 1942		177.67		12 11 1947		249.40	
10 10 1942		147.42		22 11 1947		205.58	
31 1 1943		178.88		5 1 1948		180.09	
7 2 1943		221.39		11 1 1948		297.04	
23 1 1944		260.38		13 1 1948		194.65	
25 1 1944		176.46		7 2 1948		184.94	
5 11 1944		161.93		8 2 1948		166.77	
20 11 1944		200.72		6 4 1949		178.88	
28 11 1944		210.44		12 4 1949		146.22	
2 12 1944		204.36		12 11 1949		180.09	
17 12 1944		229.91		4 12 1949		163.14	
18 1 1945		236.00		7 12 1949		146.22	
1 2 1945		188.58		26 12 1949		169.19	
2 2 1945		222.60		10 2 1950		244.53	
				15 2 1950		417.35	
				7 9 1950		158.30	
				22 11 1950		166.77	

27002

WHARFE AT FLINT MILL WEIR

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 1 1951		200.72		13 1 1961		179.20	
23 3 1951		205.58		29 1 1961		147.50	
5 5 1951		155.88		5 5 1961		171.56	
5 11 1951		227.47		30 11 1961		155.42	
24 11 1951		167.98		5 12 1961		154.29	
PEAK DOUBTFUL 5FT 2INS MARKED ON CHART				11 12 1961		206.55	
5 12 1951		216.52		12 2 1962		263.99	
8 12 1951		228.69		3 4 1962		179.77	
23 12 1951		237.21		5 3 1963		214.53	
28 12 1951		206.79		26 9 1963		179.51	
10 8 1952		148.63		18 11 1963		204.68	
20 2 1953		153.46		21 11 1963		272.12	
1 9 1953		248.18		26 11 1963		155.71	
22 9 1953		186.15		30 12 1963		167.03	
30 9 1953		163.14		9 12 1964		228.86	
21 1 1954		197.08		13 12 1964		227.61	
21 8 1954		239.65		11 1 1965		176.37	
18 10 1954		200.72		16 1 1965		187.02	
23 10 1954		174.03		26 9 1965		146.93	
27 10 1954		180.09		1 11 1965		184.69	
6 11 1954		197.08		3 12 1965		254.00	
8 11 1954		149.84		8 12 1965		379.35	
2 12 1954		193.43		18 12 1965		268.01	
14 12 1954		177.67		5 2 1966		158.54	
10 1 1955		208.01		8 2 1966		204.14	
8 2 1955		148.63		20 2 1966		175.52	
29 2 1956		155.88		23 2 1966		208.98	
2 3 1956		177.67		25 2 1966		199.36	
1 8 1956		177.67		15 11 1966		153.44	
5 1 1957		171.61		30 11 1966		154.57	
7 2 1957		147.42		1 12 1966		152.87	
23 9 1957		149.84		18 12 1966		201.74	
30 10 1957		203.15		19 12 1966		191.69	
8 12 1957		181.30		22 2 1967		194.04	
5 1 1958		182.52		28 2 1967		243.61	
11 2 1958		187.37		18 8 1967		259.97	
12 2 1958		197.08		2 10 1967		161.37	
14 2 1958		226.25		9 10 1967		184.58	
15 2 1958		210.44		17 10 1967		362.37	
22 6 1958		159.51		5 11 1967		153.44	
4 10 1958		149.84		23 12 1967		169.86	
1 1 1959		180.09		14 1 1968		148.34	
22 1 1959		188.58		16 1 1968		187.02	
27 10 1959		204.36	2	20 3 1968		254.00	
27 12 1959		198.17	2	23 3 1968		276.90	
31 1 1960		187.02	2	1 4 1968		184.69	
27 2 1960		172.69		12 9 1968		227.61	
2 11 1960		179.77		20 9 1968		153.44	
24 11 1960		201.74		28 10 1968		147.78	
26 11 1960		182.60		1 11 1968		240.63	
4 12 1960		288.00		2 11 1968		259.97	
RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM				20 1 1969		187.02	
1939-1940				31 3 1969		317.78	

27006

DON AT MADFIELDS WEIR

GRID REF SK389910 AREA 373. SQ.KM
 PERIOD OF RECORD 21 11 1956 TO 3 10 1969
 SIGNIFICANT GAPS
 14 1 1959 TO 28 1 1959

YRA THRESHOLD 37.70 GRADE A2
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 12 1956	0.92	38.21		16 1 1965	1.01	44.92	
8 8 1957	1.18	58.92		2 8 1965	1.06	49.10	
				8 9 1965	1.17	57.90	
3 11 1957	1.06	49.10		25 9 1965	1.09	51.48	
4 11 1957	1.18	58.92					
1 1 1958	1.06	48.86		1 10 1965	1.30	68.91	
5 1 1958	1.20	60.20		18 11 1965	0.96	41.33	
6 1 1958	1.31	69.44		25 11 1965	1.14	55.65	
10 2 1958	1.32	70.49		3 12 1965	1.10	51.97	
28 3 1958	0.97	42.21		6 12 1965	1.24	63.84	
2 7 1958	2.01	120.58	1	9 12 1965	3.06	206.79	
21 7 1958	0.93	39.54		13 12 1965	0.97	41.99	
22 8 1958	1.06	49.10		17 12 1965	1.12	53.92	
				23 12 1965	1.03	46.29	
1 1 1959	1.17	57.65		8 2 1966	1.43	78.09	
				20 2 1966	1.48	81.73	
24 1 1960	0.99	44.01		6 4 1966	1.11	52.94	
31 1 1960	1.29	68.37		9 4 1966	1.53	84.77	
26 2 1960	1.09	51.00		22 4 1966	0.99	43.33	
22 9 1960	0.96	41.77		6 5 1966	0.91	37.77	
				15 6 1966	1.05	47.92	
8 10 1960	0.98	42.66		21 8 1966	1.00	44.23	
8 10 1960	0.93	39.09					
24 10 1960	0.91	37.99		30 11 1966	0.91	37.77	
27 10 1960	1.01	45.37		1 12 1966	1.20	60.20	
1 11 1960	1.21	60.97		19 12 1966	1.00	44.23	2
26 11 1960	1.21	61.23		27 2 1967	1.17	58.16	
3 12 1960	2.50	159.94		9 3 1967	1.17	57.65	
4 12 1960	1.31	69.44		14 5 1967	1.70	97.14	
				8 8 1967	1.05	47.92	
10 10 1961	0.95	40.43					
12 2 1962	1.27	66.22		16 10 1967	1.21	61.49	
7 4 1962	0.93	39.54		5 11 1967	1.05	48.39	
30 9 1962	0.96	41.33		5 11 1967	1.44	78.94	
				14 1 1968	1.08	50.52	
6 3 1963	1.06	48.62		17 1 1968	1.19	59.63	
13 6 1963	1.04	47.22		6 5 1968	0.92	38.65	
				14 7 1968	1.22	62.27	
10 11 1963	0.92	38.87		20 9 1968	0.99	43.33	
21 11 1963	1.37	73.63		23 9 1968	1.90	112.41	
25 11 1963	0.96	41.77					
14 3 1964	1.04	47.22		2 11 1968	2.28	142.15	
29 5 1964	1.06	49.33		20 1 1969	0.99	43.78	
				30 3 1969	1.36	73.42	
12 12 1964	1.27	66.49		31 3 1969	1.49	82.17	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1958-1959

27007

URE AT WESTWICK LOCK

GRID REF SE356667 AREA 914. SQ.KM
 PERIOD OF RECORD 1 10 1955 TO 1 10 1969

YRA THRESHOLD 150.00 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
29 2 1956	2.68	164.86		19 12 1958	2.64	161.83	
2 3 1956	2.81	175.62		1 1 1959	3.48	235.13	
1 8 1956	2.67	164.36		22 1 1959	2.71	167.91	
5 1 1957	3.10	201.48		27 10 1959	3.16	193.45	
25 8 1957	2.93	175.10		27 12 1959	4.04	273.82	
				22 1 1960	2.98	177.69	
30 10 1957	3.31	219.49		31 1 1960	3.20	196.12	
8 12 1957	2.62	159.82		27 2 1960	3.62	234.57	
5 1 1958	3.27	216.74					
11 2 1958	4.13	298.30		2 11 1960	4.29	298.30	
14 2 1958	2.90	183.94		24 11 1960	3.13	190.80	
15 2 1958	3.06	197.46		4 12 1960	3.99	269.70	
				26 12 1960	2.92	172.52	
4 10 1958	2.65	162.33		13 1 1961	3.04	182.37	

27007

URE AT WESTWICK LOCK

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 1 1961	3.11	188.68		5 2 1966	3.44	214.07	
29 1 1961	3.59	231.76		8 2 1966	3.43	213.48	
9 2 1961	2.99	178.21		20 2 1966	3.13	185.32	
5 5 1961	2.94	174.07		25 2 1966	3.67	236.90	
30 11 1961	2.77	159.82		9 4 1966	3.06	178.09	
5 12 1961	3.29	204.18		23 5 1966	2.88	162.34	
11 12 1961	3.96	266.19		30 11 1966	2.77	152.83	
11 1 1962	2.77	159.82		1 12 1966	3.27	198.36	
15 1 1962	3.04	182.90		18 12 1966	2.87	161.27	
12 2 1962	3.67	239.09		23 2 1967	3.70	239.32	
3 4 1962	3.95	265.61		28 2 1967	4.56	325.31	
11 8 1962	3.04	182.37	8	15 5 1967	2.87	161.17	
26 8 1962	2.81	162.84		18 8 1967	3.56	225.37	
6 3 1963	4.65	335.22		2 10 1967	2.96	169.10	
10 11 1963	2.87	167.91		3 10 1967	3.07	178.98	
12 11 1963	3.48	221.71		9 10 1967	3.36	205.98	2 4
18 11 1963	3.88	259.19		15 10 1967	2.97	169.99	
21 11 1963	4.23	292.87		17 10 1967	4.80	350.01	
26 11 1963	2.90	170.98		23 12 1967	3.36	205.98	
14 3 1964	2.92	172.52		14 1 1968	3.05	177.17	
25 3 1964	2.73	156.31		16 1 1968	3.11	182.62	2 4
9 12 1964	4.18	288.11		20 3 1968	4.53	322.26	
12 12 1964	3.81	250.48		24 3 1968	5.35	407.57	
11 1 1965	3.76	245.51		1 4 1968	2.83	157.68	
16 1 1965	3.04	176.44		12 9 1968	4.26	295.21	
26 9 1965	3.35	205.29	5	1 11 1968	4.22	291.26	
1 11 1965	3.10	181.97		20 12 1968	2.77	152.51	
9 12 1965	4.66	335.89		21 1 1969	3.05	177.17	
18 12 1965	3.46	216.44		30 3 1969	2.79	154.23	
				3 6 1969	2.87	161.17	

27008

SWALE AT LECKBY GRANGE

GRID REF	SE415748	AREA	1350. SQ. KM	YRA	GRADE	A1	
PERIOD OF RECORD	20 10 1955	TO	1 10 1969	THRESHOLD	118.80	CUMECS	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
24 12 1955	3.49	128.66		25 11 1960	3.82	145.94	
28 12 1955	3.41	124.85		26 11 1960	3.31	120.01	
29 1 1956	3.82	145.94		4 12 1960	4.38	175.82	
29 2 1956	3.85	147.21		13 1 1961	3.82	145.63	
17 8 1956	3.61	134.98		27 1 1961	3.41	124.85	
19 8 1956	4.23	167.56		29 1 1961	4.13	162.00	
29 8 1956	4.22	166.74		5 5 1961	3.72	140.59	
3 9 1956	3.81	145.31		5 12 1961	3.51	129.73	
6 9 1956	3.32	120.31		11 12 1961	4.13	162.33	
5 1 1957	3.59	134.05		11 1 1962	3.65	136.84	
10 8 1957	3.48	128.51		16 1 1962	3.52	130.35	
30 10 1957	3.65	136.84		12 2 1962	3.29	118.81	
5 1 1958	3.84	146.58		3 4 1962	3.71	140.28	
28 1 1958	3.58	133.43		7 3 1963	5.44	259.34	
12 2 1958	4.90	204.69		3 7 1963	3.53	130.81	1
15 2 1958	3.77	143.10		11 11 1963	3.61	134.82	1
1 3 1958	3.32	120.31		12 11 1963	3.48	128.35	1
4 10 1958	3.47	127.89		18 11 1963	3.97	153.60	
19 12 1958	3.77	143.42		21 11 1963	4.02	156.17	
2 1 1959	3.77	143.42		15 3 1964	3.66	137.78	
19 1 1959	3.45	126.67		25 3 1964	3.94	151.99	
22 1 1959	3.62	135.29		9 12 1964	3.85	147.21	
27 12 1959	4.26	168.87		12 12 1964	3.33	120.92	
22 1 1960	4.10	160.70		11 1 1965	3.72	140.59	
1 2 1960	3.87	148.17		26 9 1965	3.65	137.15	
27 2 1960	4.18	164.61		10 12 1965	4.83	200.72	1
9 10 1960	3.50	129.43		19 12 1965	3.56	132.50	
3 11 1960	4.57	186.22		5 2 1966	3.42	125.46	

27008

SWALE AT LECKBY GRANGE

DATE	LEVEL	DISCHARGE	NOTE
8 2 1966	4.05	157.62	1
21 2 1966	4.23	167.56	1
25 2 1966	4.56	185.71	1
10 4 1966	4.14	162.65	
14 8 1966	3.38	123.33	
2 12 1966	3.35	122.12	
23 2 1967	4.14	162.65	
28 2 1967	4.71	194.03	
15 5 1967	4.26	169.20	
19 8 1967	4.21	166.12	
17 10 1967	5.10	220.56	

DATE	LEVEL	DISCHARGE	NOTE
6 11 1967	4.63	189.10	
23 12 1967	3.51	129.67	
15 1 1968	3.84	146.55	
16 1 1968	3.54	131.18	
20 3 1968	4.47	180.25	
24 3 1968	5.13	223.80	
12 9 1968	4.30	170.98	
2 11 1968	5.23	234.79	
20 12 1968	3.64	136.25	
23 12 1968	3.73	140.86	
21 1 1969	3.76	142.41	
3 6 1969	3.70	139.32	

27010

HODGE BECK AT BRANSDALE WEIR

GRID REF SE627944 AREA 18.9 SQ.KM
 PERIOD OF RECORD 9 4 1936 TO 29 12 1968
 SIGNIFICANT GAPS
 11 7 1936 TO 15 7 1936 7 9 1946 TO
 31 1 1954 TO 7 2 1954

YRA GRADE A2
 THRESHOLD 5.25 CUMECs

2 10 1946 16 12 1946 TO 2 1 1947

DATE	LEVEL	DISCHARGE	NOTE
3 6 1936		5.26	
6 8 1936		5.52	
12 11 1936		7.36	
14 12 1936		12.62	
24 1 1937		5.73	
1 2 1937		5.89	
18 3 1937		6.84	
2 12 1937		5.42	
24 12 1937		7.57	
3 10 1938		11.62	
9 12 1938		5.37	
16 12 1938		6.00	
8 1 1939		8.10	
15 1 1939		5.79	
16 5 1939		7.26	
5 8 1939		7.94	
9 10 1939		7.00	
12 10 1939		9.68	
13 10 1939		8.36	
5 11 1939		6.26	
17 7 1940		19.46	
8 2 1941		8.00	
28 2 1941		8.73	
1 3 1941		7.31	
4 4 1941		6.10	
11 11 1941		5.68	
16 3 1942		10.99	
17 7 1942		9.36	
21 9 1942		5.68	
25 10 1942		6.94	
1 1 1943		5.26	
12 1 1943		5.47	
29 6 1944		5.52	
19 8 1944		5.79	
2 9 1944		6.84	
7 9 1944		10.26	
8 9 1944		10.52	
20 10 1944		9.73	1
16 12 1944		9.47	
19 1 1945		10.26	
4 2 1945		6.21	
29 8 1945		7.89	1

DATE	LEVEL	DISCHARGE	NOTE
23 6 1946		31.03	2
CHART EXCEEDED, NOTE GIVES 590 MGD AS PEAK			
11 12 1946		9.84	
11 1 1947		9.42	
19 3 1947		6.63	
21 3 1947		10.26	
23 3 1947		7.73	
5 1 1948		5.37	
7 1 1948		6.84	
11 1 1948		14.04	
2 6 1948		14.73	
11 12 1948		10.68	
13 12 1949		6.05	
3 2 1950		5.47	
4 2 1950		5.26	
22 7 1950		12.73	
28 11 1950		5.47	
17 1 1951		8.94	
5 5 1951		6.58	
12 8 1951		7.36	
21 10 1951		6.79	
7 3 1952		9.73	
28 9 1952		5.79	
2 10 1952		11.20	
17 2 1953		5.79	
2 6 1953		10.15	
28 5 1954		11.57	
19 8 1954		7.10	
20 8 1954		13.73	
23 8 1954		8.00	
24 10 1954		6.73	
26 10 1954		7.57	
5 11 1954		6.10	
24 11 1954		8.63	
26 11 1954		7.00	
29 1 1956		5.89	
8 6 1956		7.68	
1 8 1956		5.26	
5 8 1956		6.63	
18 8 1956		11.31	

27015

DERWENT AT STAMFORD BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
22 2 1966	4.11	125.06		15 1 1968	3.93	83.64	2
10 4 1966	3.27	73.57		25 3 1968	2.49	53.59	
14 8 1966	2.59	55.79		17 7 1968	2.43	52.11	
22 8 1966	2.95	65.08		21 9 1968	2.71	58.73	
24 1 1967	2.65	57.26		3 11 1968	3.96	112.26	
23 2 1967	3.01	66.69	2	19 12 1968	2.49	53.59	
28 2 1967	3.49	81.60	2	5 1 1969	3.01	66.69	
10 3 1967	3.01	66.69		8 1 1969	3.53	83.64	
9 4 1967	2.45	52.48	2	14 1 1969	3.68	91.33	
15 5 1967	3.32	74.79		21 1 1969	3.99	114.75	2
29 5 1967	3.32	74.79		24 2 1969	3.38	76.92	
18 10 1967	3.29	73.98	2	16 3 1969	2.68	58.00	
2 11 1967	2.56	55.06	2	19 3 1969	2.59	55.79	
7 11 1967	4.26	138.74	2	1 4 1969	3.23	72.36	2
29 12 1967	2.46	52.85	2	3 6 1969	2.89	63.47	

27021

DON AT DONCASTER

GRID REF SE569040 AREA 1260. SQ. KM
 PERIOD OF RECORD 1 10 1868 TO 30 9 1969
 SIGNIFICANT GAPS
 1 10 1932 TO 13 4 1959

YRA THRESHOLD 73.00 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
9 12 1868	10.66	221.37		18 10 1883	9.90	138.36	
14 7 1872	11.09	273.58		24 1 1884	9.82	130.51	
21 7 1875	9.44	89.01		2 2 1884	9.98	146.29	
8 8 1875	9.67	114.06		25 10 1885	10.43	195.66	
21 10 1875	11.14	280.10		28 11 1885	9.75	122.76	
15 11 1875	10.18	167.98		21 3 1886	9.75	122.76	
6 12 1876	10.15	165.03		14 5 1886	11.50	326.31	
21 12 1876	10.15	165.03		22 1 1887	10.13	162.42	
28 12 1876	9.67	114.06		21 3 1889	10.43	195.66	
5 1 1877	10.39	191.27		27 1 1890	10.13	162.42	
30 1 1877	9.75	122.76		6 1 1891	10.38	189.92	
18 5 1877	9.57	102.13		16 10 1892	11.37	309.67	
3 9 1877	10.13	162.42		27 10 1894	9.44	89.01	
23 11 1877	9.60	105.50		21 1 1895	10.36	187.23	
30 12 1877	9.60	105.50		9 1 1897	9.29	73.41	
16 11 1878	9.41	85.82		10 2 1897	10.36	187.23	
30 12 1878	9.90	138.36		26 11 1898	9.67	142.57	
9 2 1879	9.44	89.01		21 1 1899	9.52	121.43	
9 6 1879	9.44	89.01		8 1 1900	9.52	121.43	
1 1 1880	10.05	154.31		24 2 1900	9.98	182.86	
3 3 1880	10.21	170.61		27 2 1900	9.67	142.57	
15 7 1880	9.85	133.01		1 1 1901	9.60	131.87	
16 9 1880	10.36	187.23		15 12 1901	9.82	163.14	
6 10 1880	11.20	287.04		31 12 1901	9.82	163.14	
28 10 1880	11.35	306.53		5 5 1903	9.22	82.46	
30 12 1880	11.07	270.91		11 5 1903	9.37	101.37	
10 2 1881	10.39	190.59		15 10 1903	9.44	111.26	
7 3 1881	11.27	296.75		28 10 1903	9.75	153.45	
14 10 1881	10.05	154.31		5 2 1904	9.98	182.86	
23 10 1881	9.67	114.06		1 3 1906	9.29	91.77	
27 11 1881	9.44	89.01		3 6 1907	9.06	64.80	
8 12 1881	9.54	98.80					
31 1 1882	9.84	132.07					
1 5 1882	9.75	122.76					
25 10 1882	10.18	167.98					
19 12 1882	10.36	187.23					
29 1 1883	10.43	195.66					
30 4 1883	9.82	130.51					

27021

DON AT DONCASTER

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 10 1907	9.75	153.45		1 10 1935		203.88	
14 12 1907	9.22	82.46		1 10 1936		96.56	
4 12 1909	9.60	131.87		1 10 1937		168.48	
3 2 1910	9.75	153.45		1 10 1938		73.62	
4 12 1910	10.13	203.02		1 10 1939		192.55	
12 1 1912	9.37	101.37		1 10 1940		222.28	
22 1 1912	9.52	121.43		1 10 1941		348.29	
5 8 1912	9.60	131.87		12 9 1943	8.83	41.02	
27 8 1912	9.75	153.45		25 1 1944	9.42	108.00	
28 10 1912	8.91	48.51		29 11 1944	9.37	101.45	
7 10 1913	9.22	82.46		20 9 1946	10.18	209.84	
14 12 1914	9.37	101.37		19 3 1947	11.12	346.77	
29 12 1914	9.44	111.26		13 1 1948	9.67	142.59	
3 1 1915	9.44	111.26		7 4 1949	9.34	98.22	
16 1 1915	9.44	111.26		11 2 1950	9.37	101.45	
13 11 1915	9.60	131.87		17 2 1951	9.34	98.22	
7 12 1915	9.82	163.14		25 11 1951	9.39	104.71	
21 2 1916	9.29	91.77		18 2 1953	9.24	85.62	
3 3 1916	9.60	131.87		21 8 1954	9.49	118.07	
18 3 1916	10.28	223.60		27 3 1955	9.75	153.45	
30 12 1916	9.29	91.77		1 10 1955		154.32	
20 1 1918	9.60	131.87		1 10 1956		100.24	
16 9 1918	9.22	82.46		3 7 1958		152.91	
23 12 1918	9.44	111.26		17 4 1959	6.88	81.13	
9 1 1919	9.52	121.43		25 1 1960	6.90	82.13	
23 2 1919	9.52	121.43		31 1 1960	7.81	133.24	
14 3 1919	9.75	153.45		27 2 1960	7.26	96.53	
27 12 1919	9.29	91.77		10 10 1960	7.08	89.26	2
12 1 1920	9.29	91.77		27 10 1960	7.20	93.92	1
1 2 1920	9.75	153.45		1 11 1960	7.46	109.37	
13 4 1920	9.44	111.26		27 11 1960	7.59	117.93	
18 1 1921	9.37	101.37		5 12 1960	8.81	216.89	2
28 12 1921	9.60	131.87		22 1 1961	6.68	73.20	
29 1 1922	9.29	91.77		12 2 1962	6.64	71.74	2
9 8 1922	10.66	276.72		6 3 1963	7.42	106.87	
22 12 1922	9.82	163.14		21 11 1963	7.21	94.44	
28 2 1923	10.36	234.04		26 11 1963	6.93	83.14	
31 10 1924	9.29	91.77		15 3 1964	7.31	99.53	
12 2 1925	9.67	142.57		21 3 1964	6.95	84.15	
30 12 1925	9.37	101.37		25 3 1964	6.69	73.69	
11 4 1927	9.52	121.43		13 12 1964	7.06	88.23	
19 8 1927	9.14	73.47		23 3 1965	7.37	103.57	
21 11 1927	9.44	111.26		8 9 1965	7.59	117.93	
25 12 1927	9.29	91.77		26 9 1965	7.23	95.49	
6 1 1928	9.67	142.57		1 10 1965	7.63	120.57	
24 1 1928	9.29	91.77					
5 1 1929	9.60	131.87					
11 12 1929	9.60	131.87					
24 7 1930	9.98	182.86					
6 9 1931	10.97	323.00					
24 5 1932	11.12	346.77					
1 10 1933		276.08					

27021 DON AT DONCASTER

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
18 11 1965	6.74	75.66		9 3 1967	7.18	93.40	
25 11 1965	7.26	96.53		15 5 1967	8.50	189.30	2
3 12 1965	7.63	120.57		28 5 1967	6.88	81.13	
6 12 1965	7.41	106.04					
10 12 1965	9.32	267.14		17 10 1967	7.08	89.26	
13 12 1965	7.11	90.29		6 11 1967	8.15	159.51	
18 12 1965	6.87	80.62		17 1 1968	6.83	79.13	
23 12 1965	7.09	89.77		15 7 1968	7.77	130.47	
9 2 1966	8.48	187.08	2	GAUGE BOARD MAXIMUM, RA ESTIMATE 25FT 1IN			
21 2 1966	8.34	175.15		23 9 1968	8.68	205.16	
25 2 1966	6.95	84.15					
6 4 1966	7.49	111.06		2 11 1968	8.53	191.52	
SPIKE ON PEAK IGNORED				21 1 1969	7.06	88.23	1
10 4 1966	8.22	165.68		25 2 1969	6.85	80.12	
21 8 1966	6.69	73.69		14 3 1969	6.95	84.15	
				25 3 1969	7.06	88.23	
2 12 1966	7.28	97.94		31 3 1969	7.27	97.15	
28 2 1967	7.62	119.69		6 5 1969	6.80	78.13	
RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM							
1869-1870	1870-1871	1872-1873	1873-1874	1884-1885	1887-1888	1891-1892	1893-1894
1895-1896	1897-1898	1904-1905	1908-1909	1923-1924	1932-1933	1934-1935	
1895-1896	1897-1898	1904-1905	1908-1909	1923-1924	1932-1933	1934-1935	

27022 DON AT ROTHERHAM

GRID REF	SK427928	AREA	826. SQ.KM	YRA	THRESHOLD	GRADE	A2
PERIOD OF RECORD	1 10 1960 TO	6 10 1969			63.90	CUMECS	
SIGNIFICANT GAPS	10 5 1967 TO	24 5 1967					
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 10 1960	0.83	77.68		17 12 1965	0.96	94.82	
1 11 1960	0.98	96.89		23 12 1965	0.82	76.53	
26 11 1960	0.97	95.65		9 2 1966	1.18	125.67	
4 12 1960	1.63	198.12		20 2 1966	1.28	140.54	1
				25 2 1966	0.73	64.64	
12 2 1962	0.79	72.74		6 4 1966	0.94	91.95	
6 3 1963	0.93	90.32		9 4 1966	1.22	132.10	
				22 4 1966	0.74	65.72	
21 11 1963	0.96	94.00	2	2 12 1966	0.87	82.73	
25 11 1963	0.79	71.99		27 2 1967	0.96	93.59	
14 3 1964	0.89	84.31		9 3 1967	0.89	85.10	
20 3 1964	0.82	75.76		28 5 1967	0.73	64.64	
12 12 1964	0.92	89.51		16 10 1967	0.92	88.30	
23 3 1965	0.72	63.92		5 11 1967	1.12	116.67	
8 9 1965	0.99	98.14		14 1 1968	0.76	68.28	
25 9 1965	0.85	79.61		17 1 1968	0.89	84.31	
				14 7 1968	1.05	107.05	
1 10 1965	0.99	97.73		23 9 1968	1.31	144.83	
17 11 1965	0.76	68.28					
25 11 1965	0.89	85.50		2 11 1968	1.61	195.45	
3 12 1965	0.89	85.10		20 1 1969	0.78	71.24	
6 12 1965	0.92	88.71		31 3 1969	1.02	102.35	
9 12 1965	2.10	286.34		6 5 1969	0.75	67.54	
13 12 1965	0.92	88.30					
RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM							
1966-1967							

27023 DEARNE AT BARNESLEY

GRID REF	SE350073	AREA	119. SQ.KM	YRA	THRESHOLD	GRADE	A2
PERIOD OF RECORD	21 9 1960 TO	1 10 1969			15.50	CUMECS	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
9 10 1960		31.28		5 1 1962		10.47	
26 10 1960		17.13					
2 11 1960		19.25		5 3 1963		22.36	
26 11 1960		25.48		1 7 1963		21.52	
4 12 1960		40.34					
22 1 1961		18.40	1	18 11 1963		15.57	

27023

DEARNE AT BARNESLEY

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
21 11 1963		21.52		14 10 1966		15.85	
14 3 1964		17.27		1 12 1966		18.68	
20 3 1964		16.28		22 2 1967		18.12	1
25 3 1964		16.70		27 2 1967		26.33	1
21 7 1964		15.85		9 3 1967		15.85	1
13 12 1964		15.57		15 5 1967		46.71	
23 3 1965		23.50		17 5 1967		15.85	
8 9 1965		20.24	1	17 10 1967		33.83	
25 9 1965		15.71		2 11 1967		19.53	
1 10 1965		25.62		5 11 1967		31.00	
2 12 1965		20.10		21 9 1968		22.08	
9 12 1965		29.87		23 9 1968		31.14	
8 2 1966		27.74		2 11 1968		47.56	1
20 2 1966		16.14	1	26 11 1968		15.71	
5 4 1966		17.55	1	31 3 1969		15.85	
9 4 1966		22.93	1				
21 8 1966		15.85	1				

27024

SWALE AT RICHMOND

GRID REF	NZ146006	AREA	381. SQ.KM	YRA	GRADE A1		
PERIOD OF RECORD	24 5 1960 TO	5 10 1969		THRESHOLD	146.00 CUMECs		
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
2 11 1960	3.04	293.70		16 1 1965	2.15	149.66	
24 11 1960	2.14	147.95		25 9 1965	2.66	226.22	
2 12 1960	2.14	147.95		9 12 1965	3.25	333.20	
3 12 1960	2.32	172.85		17 12 1965	2.38	182.21	
25 12 1960	2.37	180.32		5 2 1966	2.59	213.75	
12 1 1961	2.32	172.85		25 2 1966	2.56	209.68	
27 1 1961	2.54	205.64		13 8 1966	2.64	222.03	
4 5 1961	2.47	195.71		29 11 1966	2.33	174.70	
12 7 1961	2.18	153.12		22 2 1967	3.04	293.70	
4 12 1961	2.43	189.86		27 2 1967	3.04	293.70	
11 12 1961	2.32	172.85		15 5 1967	2.56	209.68	
10 1 1962	2.31	171.01		8 8 1967	2.26	163.74	
15 1 1962	2.46	193.75		18 8 1967	2.79	247.76	
12 2 1962	2.56	209.68		3 10 1967	2.13	146.24	
2 4 1962	2.64	222.03		6 10 1967	2.56	209.68	
11 8 1962	2.36	178.44		14 10 1967	2.47	195.71	
26 8 1962	2.64	222.03		16 10 1967	3.42	369.75	
6 3 1963	2.87	261.14		22 12 1967	2.59	213.75	
2 7 1963	2.41	186.02		14 1 1968	2.60	215.81	
10 11 1963	2.13	146.24		16 1 1968	2.18	153.12	
18 11 1963	2.48	197.67		19 3 1968	3.02	288.94	
21 11 1963	2.83	254.41		23 3 1968	3.70	430.94	
8 12 1964	3.09	303.35		12 5 1968	2.13	146.24	
12 12 1964	2.48	197.67		12 9 1968	3.39	361.76	
13 12 1964	2.61	217.87		20 9 1968	2.22	158.39	
10 1 1965	2.47	195.71		31 10 1968	2.66	226.22	
13 1 1965	2.18	153.12		20 12 1968	2.24	161.95	
				22 12 1968	2.15	149.66	

27025

ROTHER AT WOODHOUSE MILL

GRID REF	SK432857	AREA	352. SQ.KM	YRA	GRADE B		
PERIOD OF RECORD	20 5 1961 TO	3 10 1969		THRESHOLD	21.50 CUMECs		
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 1 1962	30.59	22.10		14 3 1964	31.11	38.07	
6 3 1963	31.10	37.64		20 3 1964	30.69	24.90	
19 11 1963	30.69	24.90		23 3 1965	30.70	25.27	
26 11 1963	31.07	36.77		5 9 1965	30.58	21.76	
				8 9 1965	31.08	37.20	
				25 9 1965	30.74	26.36	

27025

ROTHER AT WOODHOUSE MILL

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
18 11 1965	30.60	22.44		28 2 1967	30.74	33.93	
2 12 1965	31.01	34.65		9 3 1967	30.88	39.06	
5 12 1965	31.92	70.68		15 5 1967	31.44	62.57	
13 12 1965	30.68	24.54		28 5 1967	30.74	33.93	
18 12 1965	30.65	23.83		16 10 1967	30.67	31.26	
23 12 1965	30.65	23.83		5 11 1967	30.61	29.54	
8 2 1966	31.14	49.16		5 2 1968	30.32	21.58	
20 2 1966	31.17	50.76	1	14 7 1968	31.03	45.00	
22 2 1966	30.58	28.27		23 9 1968	30.68	31.70	
25 2 1966	30.63	29.97		2 11 1968	31.17	50.76	
2 4 1966	30.32	21.58		25 2 1969	30.63	29.97	
6 4 1966	30.78	35.30		14 3 1969	30.79	35.76	
9 4 1966	31.12	48.63		18 3 1969	30.67	31.26	
18 4 1966	30.49	25.41		26 4 1969	30.48	25.01	
14 10 1966	30.50	25.81		6 5 1969	30.86	38.10	

27026

ROTHER AT WHITTINGTON

GRID REF	SK394744	AREA	165. SQ.KM	YRA	GRADE	A1	
PERIOD OF RECORD	28	7 1960 TO	3 10 1969	THRESHOLD	12.40	CUMECS	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
16 9 1960	2.13	15.39		9 12 1965	3.60	55.25	
22 9 1960	2.20	16.85		12 12 1965	2.12	15.15	
8 10 1960	1.98	12.64		18 12 1965	2.00	13.08	
24 10 1960	2.43	21.70		22 12 1965	2.01	13.31	
1 11 1960	2.46	22.29		29 12 1965	2.08	14.45	
4 11 1960	2.45	22.00		8 2 1966	2.87	32.56	
3 12 1960	3.74	60.12		19 2 1966	2.64	26.58	
11 1 1962	2.15	15.87		20 2 1966	2.85	32.22	
6 3 1963	2.84	31.87		25 2 1966	2.13	15.39	
10 11 1963	2.20	16.85		5 4 1966	2.42	21.41	
19 11 1963	2.40	20.84		9 4 1966	3.20	42.10	
25 11 1963	2.78	30.18		18 4 1966	2.00	13.08	
14 3 1964	2.87	32.56		13 10 1966	2.36	19.99	
20 3 1964	2.23	17.35		27 2 1967	2.22	17.10	
13 12 1964	2.36	19.99		9 3 1967	2.62	26.26	
23 3 1965	2.18	16.36		14 5 1967	3.27	44.45	
5 9 1965	2.18	16.36		28 5 1967	2.09	14.68	
8 9 1965	2.94	34.67		16 10 1967	2.48	22.88	
25 9 1965	2.41	21.12		14 7 1968	2.97	35.39	
18 11 1965	2.03	13.53		2 11 1968	2.83	31.53	
2 12 1965	2.50	23.18		13 3 1969	1.99	12.86	
				26 4 1969	2.01	13.31	
				6 5 1969	2.62	26.26	

27027

WHARFE AT ILKLEY

GRID REF	SE112481	AREA	443. SQ.KM	YRA	GRADE	A1	
PERIOD OF RECORD	6	4 1960 TO	2 10 1969	THRESHOLD	165.00	CUMECS	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
2 11 1960	1.98	201.15		5 3 1963	1.78	175.94	
24 11 1960	2.04	209.26		26 9 1963	2.10	215.92	
3 12 1960	2.24	233.86		18 11 1963	2.03	207.78	
12 1 1961	1.92	194.52		21 11 1963	3.09	341.33	
4 5 1961	1.78	175.94		8 12 1964	2.38	250.49	
3 8 1961	1.76	173.99		12 12 1964	2.56	273.45	
30 11 1961	1.75	172.83		13 12 1964	2.30	241.02	
4 12 1961	1.70	165.47		10 1 1965	1.85	184.59	
11 12 1961	2.27	236.49		16 1 1965	1.93	195.66	
12 2 1962	2.71	292.83	2	31 10 1965	1.99	202.99	
2 4 1962	1.91	192.52					
23 8 1962	1.82	181.83					

27027

WHARFE AT ILKLEY

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
3 12 1965	1.93	195.29		1 10 1967	1.79	174.33	
9 12 1965	3.70	422.11		9 10 1967	1.89	189.56	
17 12 1965	2.65	285.05		16 10 1967	2.89	315.55	
5 2 1966	1.75	167.35		22 12 1967	1.82	179.04	
8 2 1966	1.76	169.20		16 1 1968	1.87	186.19	
23 2 1966	1.83	179.98		19 3 1968	2.22	230.48	
24 2 1966	1.84	181.41		23 3 1968	2.49	265.00	
				1 4 1968	1.98	201.89	
18 12 1966	1.98	201.15		12 9 1968	2.29	239.13	
19 12 1966	1.82	178.09					
22 2 1967	1.92	193.93		31 10 1968	2.07	212.59	
27 2 1967	2.24	232.73		1 11 1968	1.79	174.33	
18 8 1967	2.75	297.90		31 3 1969	2.50	266.15	

27028

AIRE AT ARMLEY

GRID REF	SE281340	AREA	692. SQ. KM	YRA	GRADE	A1	
PERIOD OF RECORD	12 12 1960 TO	2 10 1969		THRESHOLD	93.00	CUMECs	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 11 1961	2.33	105.15		25 2 1966	2.46	114.16	2
5 12 1961	2.43	112.34		21 8 1966	2.51	117.84	
11 12 1961	2.61	125.33					
12 2 1962	2.60	124.38		30 11 1966	2.48	116.00	
3 4 1962	2.17	93.83		19 12 1966	2.38	108.72	
				22 2 1967	2.43	112.34	
6 3 1963	2.47	115.08	2	27 2 1967	2.93	149.76	
5 7 1963	2.22	97.26		14 5 1967	2.31	103.38	
				14 8 1967	2.32	104.26	
18 11 1963	2.18	94.68		18 8 1967	2.43	112.34	
21 11 1963	2.78	137.84					
14 3 1964	2.24	98.99		4 10 1967	2.26	99.86	
				17 10 1967	3.65	211.01	
9 12 1964	2.60	124.38		5 11 1967	2.26	99.86	
13 12 1964	2.81	140.79	5 2	14 1 1968	2.18	94.68	
17 1 1965	2.31	103.38		16 1 1968	2.33	105.15	
25 9 1965	2.48	116.00		19 3 1968	3.07	160.99	
				24 3 1968	2.69	131.05	
1 11 1965	2.18	94.68		2 7 1968	3.14	167.24	
25 11 1965	2.92	148.75		12 9 1968	2.61	125.33	
3 12 1965	3.02	156.87		21 9 1968	3.27	177.84	
6 12 1965	2.24	98.99		23 9 1968	2.24	98.99	
9 12 1965	3.20	171.45					
17 12 1965	2.61	125.33		2 11 1968	2.61	125.33	
8 2 1966	2.79	138.82		21 1 1969	2.33	105.15	
20 2 1966	2.78	137.84		31 3 1969	3.14	167.24	
23 2 1966	2.66	129.13		3 6 1969	2.19	95.54	

27029

CALDER AT ELLAND

GRID REF	SE124219	AREA	342. SQ. KM	YRA	GRADE	A2	
PERIOD OF RECORD	13 8 1953 TO	3 10 1969		THRESHOLD	75.50	CUMECs	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
8 11 1953	1.52	85.38		21 1 1956	1.47	147.77	2
14 11 1953	1.47	79.05		1 8 1956	1.41	136.51	
20 1 1954	1.37	130.06		18 8 1956	1.22	107.96	
6 3 1954	1.40	136.01		26 8 1956	0.99	76.35	
21 8 1954	2.04	258.74	2				
				16 9 1957	0.77	51.19	
14 10 1954	0.99	76.74					
24 10 1954	1.13	94.45		29 10 1957	1.16	98.72	
26 10 1954	1.37	131.04		5 11 1957	1.10	90.69	
5 11 1954	1.28	115.73		31 12 1957	1.44	142.60	
10 11 1954	1.28	115.73		5 1 1958	1.26	113.42	
27 11 1954	1.03	81.39		6 1 1958	1.06	84.57	
22 12 1954	1.05	83.77		10 2 1958	1.31	121.37	
7 2 1955	1.01	78.27		13 2 1958	1.29	117.60	
				15 2 1958	1.10	90.69	
				30 9 1958	1.00	77.50	

27029

CALDER AT ELLAND

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 1 1959	1.28	116.66		9 12 1965	2.13	245.35	
10 5 1959	1.15	97.86		17 12 1965	1.56	137.52	
27 10 1959	1.24	110.68		8 2 1966	1.71	162.15	
27 12 1959	1.42	139.03		19 2 1966	1.40	111.13	
31 1 1960	1.24	109.77		21 8 1966	1.46	120.42	
26 11 1960	2.28	340.00		14 9 1966	1.16	78.66	
3 12 1960	1.55	161.06		3 10 1966	1.21	84.17	
17 10 1961	1.17	100.01		13 10 1966	1.27	92.77	
30 11 1961	1.15	97.86		1 12 1966	1.67	155.68	
5 12 1961	1.26	113.88		19 12 1966	1.41	113.42	
10 12 1961	1.18	102.19		22 2 1967	1.35	104.39	
12 2 1962	1.06	84.57	2 5	27 2 1967	1.81	181.72	
2 4 1962	1.13	94.45		14 8 1967	1.28	93.61	
7 4 1962	1.01	78.66		1 10 1967	1.23	87.40	
26 8 1962	1.55	135.01		3 10 1967	1.38	108.86	
26 9 1963	1.20	83.37		16 10 1967	2.46	318.81	
18 11 1963	1.16	78.27		5 11 1967	1.55	135.01	
21 11 1963	1.75	169.29		13 1 1968	1.20	83.37	
8 12 1963	1.98	213.34		16 1 1968	1.24	89.45	
12 12 1964	1.85	189.26		19 3 1968	1.63	147.77	
17 9 1965	1.14	75.59		24 3 1968	1.25	90.27	
25 11 1965	1.49	125.20		30 6 1968	1.29	95.72	
2 12 1965	1.23	87.40		20 9 1968	1.65	151.43	2
				23 9 1968	1.96	210.26	
				2 11 1968	1.31	97.86	
				26 11 1968	1.15	77.12	
				31 3 1969	1.53	132.52	

27030

DEARNE AT ADWICK

GRID REF	SE477020	AREA	311. SQ. KM	YRA	GRADE A2		
PERIOD OF RECORD	30 10 1963 TO		3 10 1969	THRESHOLD	11.75 CUMECs		
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
19 11 1963	0.76	13.54		15 5 1967	1.37	55.20	
22 11 1963	0.85	17.62		28 5 1967	0.87	18.91	
15 3 1964	1.20	40.62	2	17 10 1967	1.04	28.57	
21 3 1964	0.97	24.58		6 11 1967	1.29	48.15	
23 3 1965	1.21	41.65		17 1 1968	0.73	12.48	
9 9 1965	0.87	18.91		6 2 1968	0.76	13.54	
26 9 1965	0.74	13.00		20 3 1968	0.76	12.05	
2 10 1965	0.96	23.82		3 5 1968	0.76	12.05	
18 11 1965	0.83	17.00		15 7 1968	0.95	19.78	
26 11 1965	0.93	22.35		12 9 1968	0.81	13.91	
3 12 1965	1.09	32.02		24 9 1968	1.21	34.22	
10 12 1965	1.19	39.61		29 10 1968	0.76	12.05	
23 12 1965	0.83	17.00		2 11 1968	1.53	57.21	
29 12 1965	0.74	13.00		7 11 1968	0.85	15.40	
9 2 1966	1.25	44.83		27 11 1968	0.86	15.92	
21 2 1966	1.11	33.83		22 12 1968	0.76	12.05	
3 4 1966	0.76	13.54		13 1 1969	0.88	16.97	
10 4 1966	1.10	32.92		21 1 1969	0.85	15.40	
19 4 1966	0.87	18.91		11 2 1969	0.83	14.90	
22 8 1966	0.83	17.00		25 2 1969	1.01	22.83	
3 10 1966	0.76	13.54	2	16 3 1969	1.02	23.47	
14 10 1966	0.74	13.00		1 4 1969	0.99	21.58	
6 11 1966	0.76	13.54		11 4 1969	0.76	12.05	
2 12 1966	0.93	22.35		26 4 1969	0.80	13.43	
28 2 1967	1.10	32.92		6 5 1969	0.86	15.92	
10 3 1967	0.92	21.64		30 5 1969	0.81	13.91	
				14 6 1969	0.95	19.78	

27031 COLNE AT COLNEBRIDGE

GRID REF SE174199 AREA 245. SQ.KM
 PERIOD OF RECORD 13 12 1963 TO 6 10 1969

YRA THRESHOLD 78.50 GRADE B CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
12 12 1964	1.67	156.24		19 12 1966	1.34	89.15	
16 1 1965	1.33	87.01		27 2 1967	1.58	135.91	
1 10 1965	1.28	78.78		14 5 1967	1.37	93.51	
25 11 1965	1.48	114.76		16 10 1967	2.08	272.21	
9 12 1965	2.05	263.80		5 11 1967	1.29	80.79	
17 12 1965	1.49	117.28		13 1 1968	1.29	80.79	
8 2 1966	1.72	168.63		17 1 1968	1.35	91.31	
20 2 1966	1.30	82.84		19 3 1968	1.52	122.44	
21 8 1966	1.28	78.78		20 9 1968	1.51	119.84	
4 10 1966	1.28	78.78		23 9 1968	1.95	231.75	
29 11 1966	1.44	107.38		2 11 1968	1.58	135.91	
1 12 1966	1.30	82.84		31 3 1969	1.48	114.76	
				11 4 1969	1.30	82.84	

27033 SEA CUT AT SCARBOROUGH

GRID REF TA028908 AREA 122. SQ.KM
 PERIOD OF RECORD 22 9 1965 TO 6 10 1969

YRA THRESHOLD 19.80 GRADE A2 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
29 9 1965		20.38		6 11 1966		25.76	
17 11 1965		26.61		27 2 1967		26.33	
25 11 1965		20.38		15 5 1967		59.45	
29 11 1965		22.65		28 5 1967		22.36	
3 12 1965		27.46		5 11 1967		45.30	
9 12 1965		28.31		6 11 1967		50.96	
23 12 1965		21.52		14 1 1968		21.52	
8 2 1966		37.94		16 7 1968		36.80	
20 2 1966		42.46		2 11 1968		56.62	
25 2 1966		31.14		7 1 1969		27.18	
9 4 1966		26.89	2	20 1 1969		25.48	

27810 CALDER AT NEWLANDS

GRID REF SE365220 AREA 899. SQ.KM
 PERIOD OF RECORD 25 4 1957 TO 2 10 1969

YRA THRESHOLD 135.00 GRADE A2 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 11 1957	4.19	171.51		21 11 1963	4.08	162.91	
CURRENT METER SITE FOR 027004 KIRKTHORPE				9 12 1964	4.53	193.71	
1 1 1958	4.77	211.21		13 12 1964	5.37	268.43	
5 1 1958	4.45	188.83		16 1 1965	4.01	157.85	
6 1 1958	3.83	148.67		25 9 1965	3.65	135.09	
11 2 1958	4.31	179.68		1 10 1965	4.11	164.61	
14 2 1958	4.39	184.65		25 11 1965	4.77	211.21	
15 2 1958	3.68	138.74		3 12 1965	3.86	147.92	
2 7 1958	4.11	166.67		9 12 1965	5.71	306.02	
3 7 1958	4.25	175.58		18 12 1965	4.49	190.98	
1 1 1959	4.69	205.63		8 2 1966	5.28	259.11	
22 1 1959	3.75	143.67		20 2 1966	4.29	176.72	
27 12 1959	4.68	204.70		21 8 1966	4.41	185.58	
31 1 1960	4.96	227.23		29 11 1966	3.73	139.85	
9 10 1960	4.14	168.28		1 12 1966	3.86	147.92	
26 11 1960	6.32	379.31	4 2	19 12 1966	3.93	152.85	
4 12 1960	5.56	288.99		22 2 1967	3.70	138.26	
5 12 1961	3.86	147.92		27 2 1967	4.82	214.97	
11 12 1961	3.88	149.56		15 5 1967	4.14	166.32	
6 3 1963	3.07	100.89	2	3 10 1967	3.70	138.26	
				17 10 1967	5.81	317.66	
				5 11 1967	4.64	201.93	
				17 1 1968	3.93	152.85	

27810 CALDER AT NEWLANDS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
20 3 1968	4.76	210.28		2 11 1968	4.91	222.33	
2 7 1968	3.75	141.45		31 3 1969	4.72	207.48	
21 9 1968	4.92	223.55					
23 9 1968	5.48	280.67					

27811 AIRE AT BROTHERTON

GRID REF	SE493243	AREA	1902. SQ.KM	YRA	GRADE	E	
PERIOD OF RECORD	31 5 1964 TO	5 10 1969		THRESHOLD	256.00	CUMECS	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
9 12 1964	9.90	303.78		2 12 1966	10.02	343.12	
13 12 1964	10.48	504.02		28 2 1967	10.48	504.02	
26 9 1965	9.75	256.90	1	15 5 1967	10.21	405.02	
1 10 1965	9.78	266.06		17 10 1967	10.57	538.57	
25 11 1965	10.45	492.67		5 11 1967	10.27	426.40	
3 12 1965	10.39	470.23		17 1 1968	9.96	323.26	1
9 12 1965	10.66	573.88	8 2	20 3 1968	10.53	521.20	2
18 12 1965	10.08	363.38		25 3 1968	9.99	333.14	
8 2 1966	10.60	550.26		2 7 1968	9.93	313.47	
20 2 1966	10.39	470.23		21 9 1968	10.62	556.13	
23 2 1966	9.84	284.72		23 9 1968	10.54	526.97	
21 8 1966	10.21	405.02		2 11 1968	10.59	544.41	
				31 3 1969	10.59	544.41	

27835 CALDER AT MIDLAND BRIDGE DEWSBURY

GRID REF	SE243215	AREA	697. SQ.KM	YRA	GRADE	B	
PERIOD OF RECORD	21 4 1964 TO	29 12 1969		THRESHOLD	120.00	CUMECS	
SIGNIFICANT GAPS							
9 12 1964 TO 17 12 1964 17 12 1965 TO 10 5 1966 31 5 1968 TO 7 6 1968							
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
9 12 1964	2.97	279.93		3 10 1967	2.20	149.66	
16 1 1965	2.20	147.52		16 10 1967	3.90	370.12	
1 10 1965	2.05	131.55	2 4	5 11 1967	2.63	198.18	
9 12 1965	3.96	376.34	2	13 1 1968	2.01	128.92	
123.5 AOD ASSUMED IN HRS MODEL				17 1 1968	2.13	141.55	
21 8 1966	2.60	194.55		20 2 1968	2.98	241.76	
15 10 1966	2.13	141.55		2 7 1968	2.19	148.03	
29 11 1966	2.20	149.66		13 9 1968	2.95	237.84	
1 12 1966	2.16	144.77		23 9 1968	3.50	311.98	
19 12 1966	2.36	166.40		117 AOD ASSUMED IN HRS MODEL			
22 2 1967	2.13	141.55		2 11 1968	2.74	211.10	
27 3 1967	3.16	265.77		26 11 1968	1.95	122.78	9
15 5 1967	2.13	141.55		31 3 1969	2.71	207.38	
				11 11 1969	2.13	141.55	

27846 AIRE AT ASH BRIDGE

GRID REF	SE472266	AREA	1884. SQ.KM	YRA	GRADE	A1	
PERIOD OF RECORD	15 11 1962 TO	1 10 1969		THRESHOLD	210.00	CUMECS	
SIGNIFICANT GAPS							
15 11 1962 TO 9 12 1964 14 12 1968 TO 28 3 1969							
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
9 12 1964	2.54	282.46		6 12 1965	2.23	237.70	
13 12 1964	3.20	389.44		9 12 1965	3.27	402.30	
16 1 1965	2.99	356.67		18 12 1965	2.59	294.71	
26 9 1965	2.19	228.83		8 2 1966	3.10	378.03	
1 10 1965	2.32	248.56		20 2 1966	2.87	340.22	
24 11 1965	2.98	358.10		23 2 1966	2.32	251.80	
3 12 1965	3.03	366.07		6 4 1966	2.13	223.61	
				9 4 1966	2.16	227.37	
				21 8 1966	2.62	298.66	

27846 AIRE AT ASH BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
				17 1 1968	2.40	264.95	
2 12 1966	2.45	271.53		20 3 1968	3.07	373.04	
20 12 1966	2.17	229.25		24 3 1968	2.43	269.65	
23 2 1967	2.13	222.67		21 9 1968	3.22	395.18	
28 2 1967	3.04	368.06		24 9 1968	3.10	378.03	
15 5 1967	2.64	302.60					
				3 11 1968	3.19	390.73	
3 10 1967	2.11	220.32		31 3 1969	3.20	391.62	
17 10 1967	3.29	404.97					

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
1963-1964

27852 LITTLE DON AT LANGSETT RESERVOIR

GRID REF SE215005 AREA 21.1 SQ. KM				CSWD		GRADE C	
PERIOD OF RECORD 1 10 1910 TO 30 9 1932				ANNUAL MAXIMA			
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 1 1911		14.20		1 1 1922		12.52	
1 1 1912		21.90		1 1 1923		20.73	
1 1 1913		12.30		1 1 1924		11.40	
1 1 1914		11.93		1 1 1925		21.45	
1 1 1915		16.91		1 1 1926		32.27	
1 1 1916		20.93		1 1 1927		13.99	
1 1 1917		9.62		1 1 1928		27.80	
1 1 1918		18.44		1 1 1929		19.06	
1 1 1919		16.66		1 1 1930		26.35	
1 1 1920		23.67		1 1 1931		39.89	
1 1 1921		24.20		1 1 1932		19.47	

28002 BLITHE AT HAMSTALL RIDWARE

GRID REF SK109191 AREA 162. SQ. KM				SSW		GRADE B	
PERIOD OF RECORD 1 10 1937 TO 1 10 1952				THRESHOLD		9.16 CUMECs	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
3 12 1937	43.60	16.90		22 1 1943	44.00	17.45	
30 1 1938	37.00	10.85		31 1 1943	42.00	14.81	
25 11 1938	44.40	18.01		10 1 1944	35.40	10.19	
1 1 1939	45.60	19.79		23 1 1944	47.20	22.34	
7 1 1939	49.40	26.22					
11 1 1939	43.80	17.17		21 10 1944	37.40	11.01	
15 1 1939	45.60	19.79		17 11 1944	38.40	11.41	
18 1 1939	47.00	22.01		22 11 1944	34.00	9.58	
21 1 1939	36.00	10.45		31 1 1945	52.00	31.34	2 4
26 1 1939	42.20	15.06		4 2 1945	36.00	10.45	
				13 2 1945	41.60	14.32	
19 11 1939	34.60	9.84					
24 11 1939	42.00	14.81		29 10 1945	51.40	30.13	2 4
8 12 1939	45.80	20.09		4 2 1946	43.20	16.36	
7 2 1940	51.00	29.33		8 2 1946	53.50	34.52	2 4
23 2 1940	51.00	29.33		20 9 1946	53.00	33.43	
18 3 1940	38.80	11.57					
				14 11 1946	47.60	23.01	
11 11 1940	40.20	12.70		20 11 1946	48.60	24.76	
17 11 1940	50.00	27.36		12 1 1947	43.00	16.09	
22 11 1940	49.00	25.48		13 3 1947	40.80	13.38	
25 1 1941	35.40	10.19		17 3 1947	56.50	41.53	2 4
7 2 1941	49.00	25.48		21 3 1947	42.40	15.32	
26 3 1941	48.80	25.12		30 3 1947	36.00	10.45	
3 4 1941	41.00	13.61		8 4 1947	41.60	14.32	
23 8 1941	40.40	12.92					
				11 1 1948	49.00	25.48	
18 10 1941	33.00	9.16		12 8 1948	36.20	10.53	
13 11 1941	35.20	10.10		12 9 1948	34.00	9.58	
24 1 1942	49.60	26.60					
4 2 1942	49.40	26.22		14 12 1948	44.80	18.59	
11 2 1942	46.00	20.40		30 12 1948	50.00	27.36	
5 3 1942	35.60	10.27		1 1 1949	48.20	24.05	
				5 1 1949	40.40	12.92	
13 1 1943	44.00	17.45		6 4 1949	46.00	20.40	

28002

BLITHE AT HAMSTALL RIDWARE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
7 11 1949	38.00	11.25		17 3 1951	36.00	10.45	
2 2 1950	34.40	9.76		22 3 1951	40.60	13.15	
9 2 1950	43.00	16.09		6 11 1951	47.60	23.01	
19 2 1950	35.40	10.19		9 11 1951	44.80	18.59	
24 2 1950	46.20	20.72		12 11 1951	49.00	25.48	
27 11 1950	37.40	11.01		25 11 1951	45.00	18.89	
6 12 1950	37.00	10.85		27 12 1951	40.00	12.48	
5 1 1951	48.00	23.70		5 1 1952	36.60	10.69	
13 3 1951	44.40	18.01		11 1 1952	36.20	10.53	

28003

TAME AT WATER ORTON

GRID REF SP169914 AREA 407. SQ.KM
 PERIOD OF RECORD 6 9 1955 TO 1 10 1969

TRA THRESHOLD 48.00 GRADE C CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 7 1956	77.33	64.32	1	16 8 1962	77.57	76.35	4
30 8 1956	76.97	48.74	1	6 9 1962	77.25	60.65	2
28 12 1956	77.13	55.62		11 9 1962	77.04	51.72	2
5 2 1957	77.01	50.33	1	12 6 1963	76.93	47.02	
4 7 1957	77.02	50.71		31 10 1963	77.06	52.61	
16 7 1957	76.97	48.84		10 11 1963	76.99	49.46	
5 8 1957	77.46	70.88		19 11 1963	76.99	49.71	2
27 8 1957	77.01	50.21		20 7 1965	77.31	63.62	
4 11 1957	77.35	65.65		8 9 1965	77.56	76.03	
5 11 1957	77.47	71.34		24 9 1965	76.98	48.97	
24 12 1957	77.02	50.96	1	29 11 1965	77.22	59.61	
11 2 1958	77.31	63.48		9 12 1965	77.48	71.77	
24 2 1958	77.00	50.08		18 12 1965	77.43	69.24	
2 6 1958	77.09	53.65		19 2 1966	77.02	50.81	2
3 7 1958	76.99	49.71		11 6 1966	77.12	55.11	
27 7 1958	77.03	51.34		21 8 1966	77.33	64.32	2
22 8 1958	77.47	71.34		30 8 1966	77.38	66.75	
2 10 1958	77.19	58.17		14 10 1966	77.11	54.56	
3 10 1958	77.02	50.71		2 12 1966	77.10	54.02	
18 12 1958	76.99	49.58	1	10 12 1966	77.02	50.81	
19 12 1958	77.04	51.59	1	20 2 1967	77.00	49.77	
20 12 1958	77.04	51.59	1	9 3 1967	77.31	63.72	
22 1 1959	77.46	70.73		14 5 1967	77.13	55.66	
16 4 1959	77.48	71.65		28 5 1967	77.03	51.34	
10 8 1959	77.63	79.58	4 2	16 10 1967	77.54	75.02	
17 10 1959	76.96	48.23		1 1 1968	77.12	55.11	
25 11 1959	77.25	60.93		27 5 1968	77.40	67.99	
20 12 1959	76.98	49.21		17 6 1968	77.49	72.42	
22 12 1959	76.98	49.09		28 6 1968	77.00	49.77	
24 1 1960	77.76	87.13	4	11 7 1968	77.77	87.42	
28 1 1960	77.53	74.44	4 2	10 9 1968	77.19	57.90	
22 6 1960	77.32	64.20		13 3 1969	77.47	71.13	
16 9 1960	77.10	54.17		6 5 1969	77.49	72.42	
19 9 1960	77.33	64.63		24 5 1969	77.03	51.34	
22 9 1960	77.52	73.97		30 5 1969	77.03	51.34	
28 10 1960	77.19	57.90		28 7 1969	77.26	61.35	
3 12 1960	77.49	72.42		29 7 1969	76.98	49.25	
6 4 1961	77.35	65.65	2	2 8 1969	77.17	57.33	
12 7 1961	77.03	51.09		3 8 1969	77.40	67.99	
3 9 1961	77.19	57.90		9 8 1969	77.06	52.40	
6 7 1962	77.08	53.26	2	11 9 1969	77.07	52.94	
6 8 1962	77.40	67.86	4				

28004

TAME AT LEA MARSTON

 GRID REF SP206935 AREA 795. SQ.KM
 PERIOD OF RECORD 28 9 1956 TO 1 10 1969

 TRA THRESHOLD 49.90 GRADE C
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
28 12 1956	68.27	59.16		25 9 1965	68.00	49.98	
8 2 1957	68.18	56.04		29 11 1965	68.35	61.88	
5 8 1957	68.18	56.04		10 12 1965	68.51	67.89	
25 9 1957	68.18	56.04		18 12 1965	68.45	65.56	
4 11 1957	68.35	61.88		23 12 1965	68.30	60.06	
24 12 1957	68.13	54.29		1 1 1966	68.00	49.98	
1 1 1958	68.00	49.98		20 2 1966	68.31	60.51	
10 2 1958	68.24	58.26		25 2 1966	68.05	51.69	
24 2 1958	68.24	58.26		9 5 1966	68.02	50.40	2
2 7 1958	68.17	55.60		11 6 1966	68.00	49.98	
22 8 1958	68.26	58.71		21 8 1966	68.13	54.29	
3 10 1958	68.13	54.29		30 8 1966	68.54	68.83	
20 12 1958	68.11	53.42		14 10 1966	68.16	55.16	
18 1 1959	68.19	56.49		2 12 1966	68.40	63.71	
22 1 1959	68.38	63.25		10 12 1966	68.37	62.79	
16 4 1959	68.40	63.71		20 2 1967	68.14	54.72	
11 8 1959	68.11	53.42		28 2 1967	68.18	56.04	
26 11 1959	68.13	54.29		9 3 1967	68.44	65.09	
24 1 1960	68.49	66.96		15 5 1967	68.45	65.56	
28 1 1960	68.44	65.09		28 5 1967	68.44	65.09	
23 6 1960	68.02	50.40		17 10 1967	68.41	64.17	
16 9 1960	68.14	54.72		5 11 1967	68.32	60.97	
23 9 1960	68.35	61.88		2 1 1968	68.24	58.26	
27 10 1960	68.24	58.26		5 1 1968	68.13	54.29	
1 11 1960	68.26	58.71		14 1 1968	68.40	63.71	
17 11 1960	68.05	51.69		6 5 1968	68.00	49.98	
4 12 1960	68.52	68.36		27 5 1968	68.14	54.72	
6 4 1961	68.02	50.40		18 6 1968	68.09	52.98	
26 4 1961	68.07	52.12		11 7 1968	68.80	78.97	
6 8 1962	68.18	56.04		10 9 1968	68.04	51.26	
17 8 1962	68.22	57.37		28 10 1968	68.04	51.26	
6 9 1962	68.05	51.69		2 11 1968	68.08	52.55	
29 3 1963	67.85	44.96		26 11 1968	68.07	52.12	
19 11 1963	68.03	50.83		11 2 1969	68.14	54.72	
25 3 1964	68.00	49.98		13 3 1969	68.52	68.36	
8 9 1965	68.32	60.97		6 5 1969	68.52	68.36	
				30 5 1969	68.09	52.98	
				29 7 1969	68.17	55.60	
				3 8 1969	68.26	58.71	
				9 8 1969	68.07	52.12	

28005

TAME AT ELFORD

 GRID REF SK173105 AREA 1480. SQ.KM
 PERIOD OF RECORD 7 12 1955 TO 1 10 1969

 TRA THRESHOLD 59.00 GRADE C
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 1 1956	52.18	80.52		23 1 1959	52.80	122.63	
29 12 1956	52.50	101.13		18 4 1959	52.54	104.04	
8 2 1957	52.06	73.33		25 1 1960	53.43	171.69	
26 9 1957	52.19	81.31		29 1 1960	53.11	145.74	
6 11 1957	52.66	112.75		24 9 1960	52.33	90.02	
25 12 1957	51.93	65.67		28 10 1960	52.42	96.01	
11 2 1958	52.38	93.60		2 11 1960	52.39	93.80	
14 2 1958	51.90	64.12		18 11 1960	52.10	75.71	
25 2 1958	52.57	106.35		27 11 1960	51.93	65.85	
3 7 1958	52.77	120.62		4 12 1960	53.32	162.86	
23 8 1958	51.91	64.63		6 4 1961	51.84	60.75	
5 10 1958	52.13	77.37		26 4 1961	51.81	60.10	
3 11 1958	51.84	60.82		9 1 1962	51.94	66.20	
20 12 1958	52.17	79.99		10 3 1963	51.77	59.16	
7 1 1959	52.06	73.33		30 3 1963	52.15	78.68	
19 1 1959	52.42	95.81					

28005

TAME AT ELFORD

DATE	LEVEL	DISCHARGE	NOTE
20 11 1963	51.91	64.46	
15 3 1964	51.93	65.85	
25 3 1964	52.04	72.06	
22 3 1965	52.04	72.06	
30 11 1965	52.51	101.99	
10 12 1965	52.83	124.49	
13 12 1965	51.91	64.69	
20 12 1965	52.83	124.49	
24 12 1965	52.47	99.41	
1 1 1966	52.17	79.74	
9 2 1966	51.86	61.83	
21 2 1966	52.69	114.37	
26 2 1966	52.05	72.81	
3 3 1966	51.81	60.10	
20 4 1966	52.10	75.86	
31 8 1966	52.29	87.73	
15 10 1966	52.27	86.10	
3 12 1966	52.34	91.01	
11 12 1966	52.42	96.01	

DATE	LEVEL	DISCHARGE	NOTE
21 2 1967	51.91	64.69	
28 2 1967	52.23	83.69	
10 3 1967	52.45	97.71	
16 5 1967	52.48	100.27	
29 5 1967	52.64	110.78	
17 10 1967	52.27	86.10	
6 11 1967	52.55	104.60	
2 1 1968	52.23	83.69	
6 1 1968	52.26	85.30	
15 1 1968	52.64	110.78	
12 7 1968	53.11	145.74	
3 11 1968	52.32	89.36	
27 11 1968	51.89	63.26	
18 1 1969	51.84	60.70	
12 2 1969	52.33	90.18	
25 2 1969	52.14	78.18	
14 3 1969	52.80	122.63	
19 3 1969	51.85	61.13	
7 5 1969	52.94	133.02	
16 5 1969	51.95	66.87	
27 5 1969	51.86	61.83	

28006

TRENT AT GREAT HAYWOOD

GRID REF SJ994231 AREA 324. SQ.KM
 PERIOD OF RECORD 7 12 1955 TO 30 9 1969

TRA THRESHOLD 16.80 GRADE B CUMECs

DATE	LEVEL	DISCHARGE	NOTE
26 1 1956	71.74	27.21	
29 12 1956	71.60	23.43	
26 9 1957	71.77	28.14	
5 11 1957	71.69	25.95	
11 2 1958	71.49	20.56	
25 2 1958	71.51	20.95	
3 7 1958	71.78	28.32	
2 10 1958	71.57	22.69	
22 1 1959	71.55	21.97	
17 4 1959	71.78	28.32	
25 1 1960	71.85	30.50	
30 1 1960	72.19	41.57	
16 9 1960	71.47	20.02	
24 9 1960	71.69	25.95	
28 10 1960	71.48	20.25	
1 11 1960	71.59	23.18	
6 11 1960	71.80	28.95	
5 12 1960	72.39	49.00	
2 2 1961	71.45	19.56	
13 2 1962	71.29	15.75	
20 12 1962	71.29	15.68	
27 11 1963	71.43	21.84	
25 3 1964	71.32	19.35	
13 12 1964	71.57	27.70	
10 1 1965	71.53	26.86	
24 1 1965	71.17	18.98	
23 3 1965	71.16	18.73	
9 9 1965	71.55	27.28	
26 9 1965	71.10	17.52	2

DATE	LEVEL	DISCHARGE	NOTE
29 11 1965	71.34	22.58	2
2 12 1965	71.23	20.21	
5 12 1965	71.15	18.47	
10 12 1965	71.96	36.90	
19 12 1965	71.90	35.56	
24 12 1965	71.58	27.84	2
3 1 1966	71.44	24.73	
8 2 1966	71.15	18.47	
20 2 1966	71.25	20.53	
2 3 1966	71.20	19.43	
2 4 1966	71.24	20.40	
21 8 1966	71.35	22.84	
14 10 1966	71.15	18.47	2
3 12 1966	71.67	30.10	
11 12 1966	71.71	31.03	
24 12 1966	71.24	20.27	
28 2 1967	71.37	23.18	
15 5 1967	71.50	26.10	
28 5 1967	71.22	19.95	
17 10 1967	71.45	24.94	
31 10 1967	71.22	19.88	
6 11 1967	71.40	23.92	
25 12 1967	71.10	17.40	
2 1 1968	71.50	26.10	
6 1 1968	71.39	23.72	
15 1 1968	71.73	31.39	
3 7 1968	71.15	18.47	
3 11 1968	71.53	26.66	
21 1 1969	71.17	18.79	
12 2 1969	71.47	25.41	
13 3 1969	71.14	18.15	
7 5 1969	71.86	34.60	
26 5 1969	71.41	24.05	
30 5 1969	71.10	17.52	

28007

TRENT AT SHARDLOW

GRID REF SK448299 AREA 4400. SQ.KM
 PERIOD OF RECORD 28 9 1955 TO 1 10 1969

TRA THRESHOLD 151.20 GRADE D
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
28 1 1956	31.49	244.33		14 12 1964	31.31	210.37	
30 12 1956	31.37	221.26		10 1 1965	31.26	202.96	
26 9 1957	31.71	288.41		24 1 1965	31.02	164.29	
6 11 1957	31.58	261.64		24 3 1965	31.29	206.64	2
11 2 1958	31.54	254.30		9 9 1965	31.10	176.43	2
1 3 1958	31.24	198.28		26 9 1965	31.24	199.31	2
3 7 1958	31.28	205.58		10 12 1965	31.97	348.64	
4 10 1958	31.05	167.50		19 12 1965	31.78	303.80	
23 1 1959	31.58	261.02		24 12 1965	31.76	299.06	
17 4 1959	30.95	154.01		3 1 1966	31.54	254.30	
26 1 1960	31.90	332.53		9 2 1966	31.46	237.70	2
30 1 1960	32.03	363.73		21 2 1966	31.72	291.05	
27 2 1960	31.29	207.70		27 2 1966	31.27	204.53	
20 9 1960	31.02	164.29		3 3 1966	31.24	198.28	
24 9 1960	31.37	222.37		10 4 1966	31.12	179.31	
9 10 1960	30.98	157.54		22 4 1966	31.20	191.65	
28 10 1960	31.42	231.37		22 8 1966	31.07	171.69	
2 11 1960	31.45	236.54		14 10 1966	31.24	198.28	
18 11 1960	31.00	160.67	2	3 12 1966	31.42	230.23	
27 11 1960	31.22	194.69	2	11 12 1966	31.53	251.88	2
5 12 1960	32.18	403.29		24 12 1966	30.96	154.89	
5 2 1961	31.22	195.71		28 2 1967	31.37	222.37	2
26 4 1961	31.08	173.58		10 3 1967	31.20	191.65	2
11 12 1961	30.94	151.84		15 5 1967	31.13	180.77	
12 1 1962	31.10	175.48	2	29 5 1967	31.34	216.32	2
22 1 1962	31.11	177.39	2	18 10 1967	31.37	220.71	
13 2 1962	31.08	173.11		7 11 1967	31.34	215.77	2
21 12 1962	31.17	186.65		25 12 1967	30.94	152.27	2
6 3 1963	31.16	185.17		6 1 1968	31.33	215.23	
20 11 1963	31.24	199.31	2	15 1 1968	31.75	297.04	
27 11 1963	31.20	191.65		15 7 1968	31.15	184.18	
15 3 1964	31.32	212.52		3 11 1968	31.42	230.80	
21 3 1964	31.09	174.53	2	14 1 1969	30.99	158.87	
25 3 1964	31.28	205.06		21 1 1969	31.45	237.12	
				12 2 1969	31.32	211.98	2
				25 2 1969	31.26	201.34	
				15 3 1969	31.37	220.71	
				8 5 1969	31.70	285.96	
				28 5 1969	30.95	152.79	

28008

DOVE AT ROCESTER WEIR

GRID REF SK112397 AREA 399. SQ.KM
 PERIOD OF RECORD 11 4 1953 TO 30 9 1969

TRA THRESHOLD 55.60 GRADE D
 CUMECs

SIGNIFICANT GAPS

1 2 1969 TO 7 2 1969

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
20 1 1954	1.20	59.35		22 12 1954	1.36	74.42	
6 3 1954	1.19	58.82		10 1 1955	1.31	69.24	
8 6 1954	1.21	60.96		26 3 1955	1.65	104.67	
20 8 1954	1.18	57.77		21 1 1956	1.18	58.30	
22 10 1954	1.35	73.83		26 1 1956	1.40	78.56	
24 10 1954	1.28	66.98		2 3 1956	1.39	77.36	
26 10 1954	1.33	71.52		4 8 1956	1.46	84.01	
5 11 1954	1.36	74.42		5 8 1956	1.17	56.72	
8 11 1954	1.29	67.54		18 8 1956	1.21	60.96	
10 11 1954	1.23	62.03		1 1 1957	1.29	68.11	
25 11 1954	1.40	78.56		7 2 1957	1.18	57.77	
26 11 1954	1.19	58.82		17 3 1957	1.16	56.20	
27 11 1954	1.16	56.20		6 8 1957	1.28	66.43	
2 12 1954	1.39	77.36		12 9 1957	1.25	64.21	
12 12 1954	1.28	66.43		17 9 1957	1.21	60.42	
13 12 1954	1.59	98.01		25 9 1957	1.63	101.98	

28008

DOVE AT ROCESTER WEIR

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 11 1957	1.40	77.96		25 9 1965	1.17	56.72	
10 2 1958	1.67	106.70		9 12 1965	2.04	150.79	
21 2 1958	1.34	72.09		13 12 1965	1.24	63.12	
23 2 1958	1.21	60.96		18 12 1965	1.43	80.96	
23 9 1958	1.20	59.89		23 12 1965	1.59	97.35	
18 1 1959	1.15	55.68		29 12 1965	1.52	90.26	
22 1 1960	1.17	56.72		2 1 1966	1.17	56.72	
24 1 1960	1.31	69.24	2	8 2 1966	1.24	63.67	
30 1 1960	1.55	93.46	2	20 2 1966	1.43	81.57	
22 9 1960	1.28	66.98		21 8 1966	1.35	73.83	
4 12 1960	2.04	150.79	2	14 9 1966	1.28	66.98	
10 10 1961	1.42	79.76		14 10 1966	1.18	57.77	
12 2 1962	1.17	56.72		29 11 1966	1.23	62.03	
15 12 1962	1.44	82.48	2	1 12 1966	1.18	58.30	
20 12 1962	1.51	89.63		2 12 1966	1.23	62.58	
5 3 1963	1.31	69.52	2	9 12 1966	1.42	80.36	
26 9 1963	1.29	68.11		27 2 1967	1.29	68.11	
19 11 1963	1.28	66.71	2	9 3 1967	1.18	57.77	
25 11 1963	1.52	90.26		28 5 1967	1.33	71.52	
14 3 1964	1.25	64.49	2	16 10 1967	1.87	129.41	
12 12 1964	1.85	127.94		31 10 1967	1.16	56.20	
9 1 1965	1.49	87.74	2	25 12 1967	1.27	65.87	
24 1 1965	1.21	60.15		14 1 1968	1.59	98.01	
9 5 1965	1.45	83.40		14 7 1968	1.21	60.42	
8 9 1965	1.57	95.40		28 10 1968	1.21	60.96	
				2 11 1968	1.40	77.96	
				20 1 1969	1.18	57.77	
				6 5 1969	1.45	83.40	

28009

TRENT AT COLWICK

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 10 1958	19.21	311.16		24 3 1965	19.36	337.56	
13 12 1958	19.20	308.40		26 9 1965	19.20	308.40	
19 12 1958	19.16	301.83		3 12 1965	19.34	335.28	
2 1 1959	19.12	293.70		11 12 1965	21.12	731.25	2
23 1 1959	20.36	547.16		20 12 1965	20.36	547.85	
17 4 1959	19.12	294.78		3 1 1966	19.79	423.26	2
31 1 1960	21.12	732.82		8 2 1966	19.84	433.34	2
28 2 1960	19.41	347.90		21 2 1966	20.46	570.37	
24 9 1960	19.25	317.26		3 3 1966	19.12	293.70	
10 10 1960	18.97	269.34		10 4 1966	19.20	309.51	
28 10 1960	19.68	400.32		21 4 1966	19.30	326.78	
2 11 1960	19.66	397.26		14 10 1966	19.24	316.15	
18 11 1960	19.09	289.40		3 12 1966	19.26	319.49	
27 11 1960	19.43	350.80		12 12 1966	19.60	385.12	
5 12 1960	21.42	809.99		28 2 1967	19.55	375.52	
6 2 1961	19.29	326.22		10 3 1967	19.16	301.29	
12 1 1962	18.95	265.71		15 5 1967	19.23	313.93	
21 12 1962	18.97	268.30		28 5 1967	19.36	337.56	
6 3 1963	19.13	295.86		17 10 1967	19.27	321.72	
31 3 1963	19.05	283.00		6 11 1967	19.44	353.12	2
SPIKE ON PEAK IGNORED				6 1 1968	19.29	325.65	2
20 11 1963	19.24	316.70	2	15 1 1968	20.01	468.09	
26 11 1963	19.01	274.56	2	15 7 1968	19.13	296.40	
15 3 1964	19.45	356.04	2	2 11 1968	19.80	425.14	
25 3 1964	19.28	323.97		14 1 1969	19.05	281.41	
13 12 1964	19.19	307.31		21 1 1969	19.65	393.60	
10 1 1965	19.08	288.33	4	12 2 1969	19.28	323.97	
				25 2 1969	19.59	383.31	
				14 3 1969	19.46	356.62	
				8 5 1969	19.95	456.39	

28010

DERWENT AT LONGBRIDGE

GRID REF	SK357364	AREA	1119. SQ. KM	TRA	GRADE	B
PERIOD OF RECORD	7	6 1935 TO	1 10 1969	THRESHOLD	95.00 CUMECs	
SIGNIFICANT GAPS						
22 7 1939 TO	14	8 1935	8 3 1937 TO	22 3 1937	25 9 1939 TO	8 10 1939
2 3 1941 TO	9	3 1941	12 5 1941 TO	27 5 1941	10 11 1941 TO	16 11 1941
20 7 1942 TO	11	8 1942	12 10 1942 TO	25 10 1942	15 2 1943 TO	1 3 1943
12 7 1943 TO	8	8 1943	1 11 1943 TO	7 3 1944	11 12 1944 TO	31 12 1944
23 7 1945 TO	23	9 1945	9 2 1946 TO	10 3 1946	28 4 1947 TO	24 6 1947
31 5 1948 TO	13	6 1948	22 8 1949 TO	27 9 1949	2 2 1953 TO	8 2 1953
20 4 1953 TO	26	4 1953	12 10 1953 TO	19 10 1953	28 6 1954 TO	12 8 1954

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
29 10 1935	0.72	105.13		12 12 1946	0.76	115.36	
31 10 1935	0.71	101.82		11 1 1947	0.69	98.55	
15 11 1935	0.74	111.90		19 3 1947	1.30	306.74	2 4
17 11 1935	0.95	172.75		24 3 1947	0.95	172.75	
21 11 1935	0.73	108.49		9 4 1947	0.80	126.00	
28 12 1935	0.73	108.49		10 1 1948	0.83	137.07	
16 11 1936	0.82	133.33		14 1 1948	0.96	176.94	
17 11 1936	0.83	137.07		1 1 1949	0.83	137.07	
14 12 1936	0.82	133.33		7 4 1949	0.69	98.55	
7 1 1937	0.76	115.36		2 2 1950	0.69	98.55	
18 1 1937	0.72	105.13		9 2 1950	0.87	148.55	
21 1 1937	0.71	101.82		24 2 1950	0.71	101.82	
2 12 1937	0.92	164.50		6 1 1951	0.76	115.36	
26 11 1938	0.80	126.00		18 1 1951	0.73	108.49	
28 11 1938	0.76	115.36		17 3 1951	0.68	95.33	
1 1 1939	0.77	118.86		23 3 1951	0.76	115.36	
8 1 1939	0.97	181.17		6 11 1951	0.78	122.41	
15 1 1939	0.91	160.44		8 11 1951	0.69	98.55	
18 1 1939	0.87	148.55		24 11 1951	0.85	140.85	
19 11 1939	0.74	111.90		29 12 1951	0.69	98.55	
26 11 1939	0.90	156.43		11 1 1952	0.82	133.33	
29 11 1939	0.77	118.86		11 2 1952	0.68	95.33	
8 12 1939	0.83	137.07		18 2 1953	0.74	111.90	
24 2 1940	1.14	240.28	2 4	21 1 1954	0.87	148.55	
12 11 1940	0.87	148.55		7 3 1954	0.74	111.90	
16 11 1940	0.95	172.75		21 8 1954	0.82	133.33	
22 11 1940	0.97	181.17		23 10 1954	0.69	98.55	
9 2 1941	1.42	356.96		25 10 1954	0.68	95.33	
17 2 1941	0.74	111.90		27 10 1954	0.74	111.90	
26 3 1941	0.87	148.55		7 11 1954	0.77	118.86	
4 4 1941	0.73	108.49		9 11 1954	0.73	108.49	
24 1 1942	0.72	105.13		10 11 1954	0.77	118.86	
1 1 1943	0.68	95.33		25 11 1954	0.78	122.41	
12 1 1943	0.85	140.85		27 11 1954	0.76	115.36	
23 1 1943	0.69	98.55		4 12 1954	0.76	115.36	
31 1 1943	0.80	126.00		13 12 1954	0.87	148.55	
4 9 1944	0.54	63.13		23 12 1954	0.74	111.90	
20 10 1944	0.77	118.86		11 1 1955	0.77	118.86	
21 11 1944	0.76	115.36		27 3 1955	1.04	203.02	
22 11 1944	0.73	108.49		22 1 1956	0.74	111.90	
24 11 1944	0.72	105.13		27 1 1956	0.78	122.41	
28 11 1944	0.74	111.90		4 8 1956	0.71	101.82	
19 1 1945	0.69	98.55		18 8 1956	0.82	133.33	
1 2 1945	0.85	140.85		2 9 1956	0.72	105.13	
3 2 1945	0.74	111.90		5 9 1956	0.71	101.82	
13 2 1945	0.68	95.33		31 12 1956	0.76	115.36	
26 10 1945	0.69	98.55		25 9 1957	0.96	176.94	
30 10 1945	0.83	137.07		4 11 1957	0.87	148.55	
20 9 1946	0.95	172.75		1 1 1958	0.72	105.13	
15 11 1946	0.71	101.82		6 1 1958	0.71	101.82	
18 11 1946	0.85	140.85		10 2 1958	0.92	164.50	
21 11 1946	0.97	181.17		1 3 1958	0.73	108.49	
24 11 1946	0.78	122.41		2 7 1958	0.93	168.60	

28010

DERWENT AT LONGBRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
19 1 1959	0.73	108.49		25 9 1965	0.71	101.82	
22 1 1959	0.80	126.00		10 12 1965	1.75	520.87	
16 4 1959	0.68	95.33		13 12 1965	0.81	129.65	2
24 1 1960	0.74	111.90		18 12 1965	0.83	137.07	
31 1 1960	0.78	122.41		23 12 1965	0.88	152.47	
26 2 1960	0.82	133.33	2	8 2 1966	0.88	152.47	
22 9 1960	0.68	95.33		20 2 1966	0.90	156.43	
2 11 1960	0.73	108.49		9 4 1966	0.72	105.13	
26 11 1960	0.74	111.90		14 10 1966	0.71	101.82	
4 12 1960	1.33	317.60		2 12 1966	0.71	101.82	
13 2 1962	0.64	85.97		2 12 1966	0.71	101.82	
6 3 1963	0.64	85.97		21 12 1966	0.76	115.36	
14 3 1964	0.69	98.55		28 2 1967	0.76	115.36	
13 12 1964	0.87	148.55		16 10 1967	0.80	126.00	
9 1 1965	0.71	101.82		14 1 1968	0.93	168.60	2
16 1 1965	0.69	98.55		18 1 1968	0.81	129.65	
8 9 1965	0.78	122.41		24 9 1968	0.72	105.13	
11 9 1965	0.71	101.82		2 11 1968	0.86	144.68	
RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM 1945-1946				21 1 1969	0.76	115.36	
				31 3 1969	0.73	108.49	

28011

DERWENT AT MATLOCK

GRID REF SK297586 AREA 689. SQ.KM TRA THRESHOLD 49.00 GRADE A1 CUMECs
 PERIOD OF RECORD 10 1 1958 TO 30 9 1969
 SIGNIFICANT GAPS 17 3 1958 TO 31 3 1958

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 1 1958	84.59	49.91		9 1 1965	85.16	75.08	
5 2 1958	84.81	59.55		16 1 1965	85.17	75.36	
10 2 1958	85.61	96.31		24 1 1965	84.67	53.13	
23 2 1958	84.84	60.48		9 5 1965	84.66	52.87	
1 3 1958	84.91	63.56		8 9 1965	85.19	76.20	
5 3 1958	84.95	65.32		10 9 1965	85.23	78.30	
2 7 1958	85.78	104.48		18 9 1965	84.62	51.19	
1 10 1958	84.79	58.49		25 9 1965	84.86	61.68	
4 10 1958	84.58	49.40		1 10 1965	84.67	53.13	
1 1 1959	84.96	65.86		3 12 1965	84.84	60.75	
19 1 1959	84.81	59.55		9 12 1965	88.03	266.20	2 4
22 1 1959	85.02	68.45		13 12 1965	85.28	80.42	
16 4 1959	84.61	50.94		17 12 1965	85.58	94.84	
24 1 1960	84.78	58.10		23 12 1965	85.32	82.41	
31 1 1960	85.66	98.53		31 12 1965	84.73	55.86	
27 2 1960	85.33	82.84		2 1 1966	84.73	55.86	
10 10 1960	84.96	65.86		8 2 1966	85.75	103.13	
27 10 1960	84.80	58.76		20 2 1966	85.70	100.45	
1 11 1960	84.95	65.45		25 2 1966	84.70	54.69	
4 11 1960	84.68	53.91		6 4 1966	84.64	51.96	
26 11 1960	85.30	81.56		9 4 1966	85.13	73.69	
4 12 1960	87.09	175.76		22 4 1966	84.80	59.02	
5 2 1961	84.72	55.47		21 8 1966	84.63	51.71	
10 12 1961	84.79	58.36		14 9 1966	84.88	62.22	
12 2 1962	85.01	68.31		14 10 1966	1.68	56.36	
15 12 1962	84.72	55.47		15 11 1966	1.89	65.25	
20 12 1962	85.01	68.17		1 12 1966	2.13	76.15	
6 3 1963	85.00	67.90		9 12 1966	1.90	65.81	
19 11 1963	84.67	53.26		19 12 1966	2.83	109.58	
21 11 1963	83.18	75.78		27 2 1967	2.00	70.37	
25 11 1963	84.94	65.18		9 3 1967	1.62	53.65	
13 12 1964	85.67	98.97		14 5 1967	1.72	58.01	
				28 5 1967	1.62	53.65	
				16 10 1967	2.13	76.15	
				5 11 1967	1.89	65.25	
				25 12 1967	1.85	63.56	

28011

DERWENT AT MATLOCK

DATE	LEVEL	DISCHARGE	NOTE
27 12 1967	1.76	59.66	
13 1 1968	2.90	113.38	
17 1 1968	2.81	108.95	
18 1 1968	2.28	83.22	
24 3 1968	1.72	58.01	
14 7 1968	1.54	50.42	
23 9 1968	2.52	94.50	

DATE	LEVEL	DISCHARGE	NOTE
1 10 1968	2.11	75.17	
2 11 1968	2.92	113.96	
18 1 1969	1.78	60.30	
21 1 1969	2.29	83.40	
31 3 1969	2.81	108.48	
15 4 1969	1.80	61.18	

28012

TRENT AT YOYALL

GRID REF SK131177 AREA 1230. SQ.KM
 PERIOD OF RECORD 23 9 1959 TO 30 9 1969

TRA THRESHOLD 40.60 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE
24 1 1960	58.72	78.21	
31 1 1960	58.96	94.08	
16 9 1960	58.21	48.13	
19 9 1960	58.09	42.36	
23 9 1960	58.52	65.49	
25 10 1960	58.07	41.00	
28 10 1960	58.40	58.60	
2 11 1960	58.46	62.28	
6 11 1960	58.61	70.81	
27 11 1960	58.11	43.43	
5 12 1960	59.04	99.56	
3 2 1961	58.27	51.69	
26 4 1961	58.20	47.65	
13 2 1962	57.96	35.88	
21 12 1962	57.98	37.02	
19 11 1963	58.10	42.81	
27 11 1963	58.14	44.82	2
25 3 1964	58.37	57.06	2
14 12 1964	58.25	50.38	
10 1 1965	58.28	52.19	2
24 3 1965	58.18	46.85	
10 9 1965	58.53	66.58	2
26 9 1965	58.23	49.41	
29 11 1965	58.48	63.25	
5 12 1965	58.17	46.46	
10 12 1965	58.94	92.12	2
20 12 1965	58.88	88.70	

DATE	LEVEL	DISCHARGE	NOTE
3 1 1966	58.57	68.53	
8 2 1966	58.24	49.79	2
21 2 1966	58.45	61.78	2
27 2 1966	58.21	48.45	
3 3 1966	58.28	51.83	
2 4 1966	58.22	49.12	
20 4 1966	58.16	45.80	
21 8 1966	58.91	90.40	2
4 10 1966	58.11	43.22	
14 10 1966	58.33	54.60	2
3 12 1966	58.71	77.15	
11 12 1966	58.72	77.95	
24 12 1966	58.34	55.30	2
28 2 1967	58.39	58.14	2
16 5 1967	58.40	58.86	
28 5 1967	58.35	56.01	
18 10 1967	58.33	54.60	
31 10 1967	58.14	44.50	
6 11 1967	58.30	53.21	
6 1 1968	58.55	67.76	
14 1 1968	58.82	84.50	
14 2 1968	58.06	40.70	
15 7 1968	58.16	45.80	
2 11 1968	2.09	62.93	
21 1 1969	2.03	59.47	
12 2 1969	2.14	65.87	
13 3 1969	1.91	52.79	
7 5 1969	2.38	80.71	
26 5 1969	2.07	61.77	
30 5 1969	1.80	46.94	

28014

SOW AT MILFORD

GRID REF SJ975215 AREA 591. SQ.KM
 PERIOD OF RECORD 1 10 1959 TO 30 9 1969

TRA THRESHOLD 17.60 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE
25 1 1960	72.20	36.27	2
30 1 1960	72.32	40.11	2
17 9 1960	71.58	19.71	
20 9 1960	71.53	18.55	
24 9 1960	71.90	28.31	
10 10 1960	71.52	18.18	2
29 10 1960	71.82	26.23	2
6 11 1960	72.05	32.19	
18 11 1960	71.50	17.80	
28 11 1960	71.51	17.95	
4 12 1960	72.60	50.08	2
1 2 1961	71.55	18.94	
26 4 1961	71.52	18.18	2
22 1 1962	71.42	15.85	

DATE	LEVEL	DISCHARGE	NOTE
21 12 1962	71.35	14.40	
25 3 1964	71.55	18.94	
13 12 1964	71.49	21.95	
10 1 1965	71.53	22.75	
24 1 1965	71.41	19.85	
24 2 1965	71.68	26.13	
9 9 1965	71.60	24.32	
26 9 1965	71.41	19.93	
30 11 1965	71.62	24.80	2
10 12 1965	72.20	39.02	2
19 12 1965	72.17	38.38	
24 12 1965	71.76	28.06	
3 1 1966	71.65	25.57	
21 2 1966	71.50	22.02	

28014

SOW AT MILFORD

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 2 1966	71.32	17.69	2	31 10 1967	71.33	20.47	2
3 3 1966	71.44	20.75	2	6 11 1967	71.52	24.63	
20 4 1966	71.38	19.12		25 12 1967	71.22	18.09	
23 8 1966	71.41	22.10	2	3 1 1968	71.89	33.27	
				15 1 1968	71.97	35.15	
3 12 1966	72.05	37.39		14 2 1968	71.29	19.66	2
11 12 1966	72.00	36.10	2				
16 12 1966	71.20	17.83	2	3 11 1968	2.30	23.81	
24 12 1966	71.36	21.01	2	22 1 1969	2.25	22.71	
31 12 1966	71.20	17.83	2	12 2 1969	2.45	27.21	
28 2 1967	71.48	23.78		14 3 1969	2.11	19.71	
16 5 1967	71.70	28.70		7 5 1969	2.85	36.88	
29 5 1967	71.27	19.13		26 5 1969	2.70	33.16	
				31 5 1969	2.11	19.71	
17 10 1967	71.45	22.94					

28015

IDLE AT MATTERSEY

GRID REF SK690895 AREA 528. SQ.KM
PERIOD OF RECORD 26 4 1961 TO 30 9 1969

TRA THRESHOLD 6.15 GRADE A2
CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
9 1 1962	5.12	8.42		28 2 1967	5.18	8.96	2
22 1 1962	4.98	7.12	2	10 3 1967	5.00	7.28	2
				16 5 1967	5.68	18.04	
6 3 1963	5.15	8.72		28 5 1967	5.37	11.67	
30 3 1963	4.87	6.16					
				17 10 1967	5.16	8.83	
15 3 1964	5.40	12.18		6 11 1967	5.37	11.67	2
20 3 1964	5.03	7.56	2	13 1 1968	5.08	7.98	
25 3 1964	5.26	9.91	2	6 2 1968	4.87	6.16	
				11 7 1968	5.10	8.22	
24 3 1965	4.76	5.20	2	16 7 1968	5.71	18.62	
				16 9 1968	4.92	6.59	
29 11 1965	5.24	9.59		24 9 1968	5.25	9.77	
3 12 1965	5.37	11.67					
10 12 1965	5.66	17.46	2	29 10 1968	4.97	7.05	
19 12 1965	5.60	16.08		3 11 1968	5.75	19.51	
24 12 1965	5.67	17.75		27 11 1968	5.11	8.34	
1 1 1966	5.44	13.05	2	22 12 1968	4.97	7.05	
28 1 1966	5.27	9.97		13 1 1969	5.10	8.22	
9 2 1966	5.66	17.46		21 1 1969	5.33	11.01	
21 2 1966	5.76	19.81		12 2 1969	5.20	9.21	
26 2 1966	5.52	14.52		25 2 1969	5.52	14.52	2
3 3 1966	5.23	9.46		19 3 1969	5.75	19.51	
3 4 1966	4.99	7.16	2	27 4 1969	5.47	13.53	
10 4 1966	5.57	15.55	2	7 5 1969	5.48	13.77	
19 4 1966	5.20	9.21	2	18 5 1969	5.28	10.17	
22 8 1966	4.94	6.71	2	28 5 1969	4.94	6.71	
				3 6 1969	5.41	12.34	
6 11 1966	4.96	6.93	2	15 6 1969	5.10	8.22	
23 1 1967	4.88	6.26	2	24 6 1969	4.88	6.26	
				29 7 1969	5.30	10.59	

28016

RYTON AT SERLBY

GRID REF SK641896 AREA 231. SQ.KM
PERIOD OF RECORD 19 12 1961 TO 30 9 1969

TRA THRESHOLD 8.60 GRADE A2
CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 12 1962	6.73	8.91		13 12 1965	6.79	9.66	
6 4 1963	6.87	10.76		19 12 1965	6.75	9.17	
				23 12 1965	6.83	10.17	
26 11 1963	6.79	9.69		9 2 1966	6.97	12.14	
15 3 1964	6.92	11.40	2	20 2 1966	7.04	13.29	
25 3 1964	6.77	9.46	2	10 4 1966	6.97	12.14	
9 9 1965	6.71	8.69		15 5 1967	70.44	16.40	
				SUMMER RATING USED			
2 12 1965	6.83	10.17		6 11 1967	6.83	10.17	
10 12 1965	7.06	13.49		15 7 1968	73.15	13.20	

28016 RYTON AT SERLBY

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
SUMMER RATING	USED			19 3 1969	7.16	15.13	
24 9 1968	6.92	11.40		26 4 1969	6.74	9.01	
3 11 1968	7.26	16.87		6 5 1969	6.78	9.50	
25 2 1969	7.04	13.29		18 5 1969	6.81	10.00	
14 3 1969	7.13	14.71		3 6 1969	6.75	9.17	

28017 DEVON AT COTHAM

GRID REF	SK787476	AREA	284. SQ.KM	TRA	GRADE	A2	
PERIOD OF RECORD	30 9 1966 TO	2 10 1969		THRESHOLD	13.60	CUMECs	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 12 1966	13.46	21.95		2 11 1968	14.24	38.41	
28 2 1967	13.20	18.52		27 11 1968	13.43	21.60	
15 5 1967	14.13	35.29		14 1 1969	12.85	14.14	
6 11 1967	12.97	15.64		10 2 1969	13.22	18.69	
11 7 1968	14.04	16.10		23 2 1969	13.18	18.19	
17 8 1968	13.99	16.10		13 3 1969	13.10	17.22	
				18 3 1969	13.29	19.69	
				6 5 1969	14.18	36.66	
				30 5 1969	13.00	15.95	

28018 DOVE AT MARSTON ON DOVE

GRID REF	SK235288	AREA	883. SQ.KM	TRA	GRADE	D	
PERIOD OF RECORD	28 7 1961 TO	30 9 1969		THRESHOLD	71.40	CUMECs	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
13 2 1962	49.91	76.04		8 2 1966	50.21	100.44	
15 12 1962	50.11	91.92		20 2 1966	50.34	111.64	
20 12 1962	50.25	103.74		3 3 1966	49.98	81.81	
6 3 1963	50.06	87.80	2 4	21 8 1966	50.25	103.74	
19 11 1963	50.10	90.88		14 10 1966	49.91	76.04	
26 11 1963	50.44	121.05		30 11 1966	49.87	73.24	
14 3 1964	50.20	99.35		2 12 1966	50.34	111.64	
25 3 1964	49.86	72.32		10 12 1966	50.54	130.85	
13 12 1964	50.82	159.85		28 2 1967	50.12	92.96	
10 1 1965	50.54	130.85		15 5 1967	49.98	81.81	
24 1 1965	49.96	79.86		28 5 1967	50.10	90.88	
9 5 1965	50.01	83.78		17 10 1967	50.69	146.29	
9 9 1965	50.45	122.25	2	31 10 1967	49.87	73.24	
26 9 1965	50.17	97.20		25 12 1967	49.88	74.17	2
2 12 1965	50.10	90.88		5 1 1968	49.89	75.10	
5 12 1965	49.94	78.90		14 1 1968	50.82	159.85	
10 12 1965	50.91	169.70		16 1 1968	50.01	83.78	
13 12 1965	50.01	83.78		15 7 1968	49.93	77.94	
19 12 1965	50.77	154.35		28 10 1968	49.86	72.32	
23 12 1965	50.80	157.09		2 11 1968	50.13	94.01	
30 12 1965	50.24	102.63		21 1 1969	49.96	79.86	2
2 1 1966	50.10	90.88		12 2 1969	49.97	80.84	
				6 5 1969	50.34	111.64	

28019 TRENT AT DRAKELOW PARK

GRID REF	SK239204	AREA	3070. SQ.KM	TRA	GRADE	A2	
PERIOD OF RECORD	21 5 1959 TO	26 9 1969		THRESHOLD	105.00	CUMECs	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
SIGNIFICANT GAPS				2 5 1962			
25 1 1960 TO	25 2 1960	15 5 1960 TO					
30 3 1963	45.41	101.08		22 3 1965	45.46	107.26	2
20 11 1963	45.49	111.50		26 9 1965	45.16	108.31	
25 3 1964	45.55	121.18		30 11 1965	45.63	159.64	

28019

TRENT AT DRAKELOW PARK

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 12 1965	45.29	121.77		28 5 1967	45.61	157.42	
11 12 1965	45.97	236.53	2	18 10 1967	45.44	137.53	
20 12 1965	46.01	247.95		6 11 1967	45.61	157.42	
24 12 1965	45.81	196.33	2	6 1 1968	45.56	151.65	
2 1 1966	45.53	148.22	2	15 1 1968	45.79	192.78	
9 2 1966	45.29	122.09		13 7 1968	45.59	154.53	
21 2 1966	45.82	198.48	2	3 11 1968	45.59	154.53	
26 2 1966	45.30	123.37		27 11 1968	45.18	110.77	
3 3 1966	45.28	120.81		18 1 1969	45.16	108.21	
20 4 1966	45.42	135.43		22 1 1969	45.37	130.66	
22 8 1966	45.26	118.59	2	13 2 1969	45.56	151.65	
31 8 1966	45.14	106.93	2	24 2 1969	45.38	132.02	
15 10 1966	45.44	137.53		14 3 1969	45.84	204.77	
3 12 1966	45.61	157.42		7 5 1969	46.03	254.73	
11 12 1966	45.72	175.64		16 5 1969	45.30	122.57	
1 3 1967	45.46	140.32		28 5 1969	45.36	129.30	
10 3 1967	45.37	130.66		31 5 1969	45.21	113.36	
17 5 1967	45.59	154.53					

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1959-1960 1960-1961 1961-1962

28032

MEDEN AT CHURCH WARSOP

GRID REF	SK558680	AREA	63.1	SQ. KM	TRA	GRADE	C
PERIOD OF RECORD	1 8 1964 TO	30 9 1969			THRESHOLD	1.60	CUMECS
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
23 3 1965	56.27	1.85		14 1 1968	56.31	2.13	
2 9 1965	56.24	1.67		5 2 1968	56.31	2.13	
2 12 1965	56.36	2.55		1 5 1968	56.26	1.76	
4 12 1965	56.28	1.94		7 7 1968	56.37	2.66	
9 12 1965	56.61	5.27		10 7 1968	56.37	2.66	
13 12 1965	56.31	2.13		14 7 1968	56.93	10.28	4
18 12 1965	56.46	3.51		1 9 1968	56.36	2.55	
23 12 1965	56.45	3.38		10 9 1968	56.26	1.76	
1 1 1966	56.36	2.55		16 9 1968	56.29	2.03	
8 2 1966	56.52	4.19		20 9 1968	56.28	1.94	
20 2 1966	56.55	4.49		23 9 1968	56.38	2.77	
25 2 1966	56.45	3.38		27 9 1968	56.28	1.94	
2 4 1966	56.31	2.13		28 10 1968	56.38	2.77	
5 4 1966	56.33	2.33		2 11 1968	56.59	4.95	
9 4 1966	56.50	3.91		26 11 1968	0.54	2.20	
20 4 1966	56.29	2.03		17 12 1968	0.51	1.97	
21 8 1966	56.24	1.67		21 1 1969	0.50	1.89	
27 2 1967	56.36	2.55		13 3 1969	0.84	5.31	
9 3 1967	56.40	2.89		18 3 1969	0.75	4.22	
14 5 1967	56.71	6.67		26 4 1969	0.70	3.67	
28 5 1967	56.46	3.51		6 5 1969	0.77	4.51	
16 10 1967	56.54	4.34		30 5 1969	0.59	2.61	
5 11 1967	56.46	3.51		14 6 1969	0.59	2.66	
				23 6 1969	0.51	1.97	
				28 7 1969	0.72	3.88	

28045

MEDEN AT BOTHAMSTALL

GRID REF	SK680732	AREA	106.	SQ. KM	TRA	GRADE	B
PERIOD OF RECORD	17 12 1964 TO	25 9 1969			THRESHOLD	6.40	CUMECS
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
2 12 1965		7.35		25 2 1966		7.99	
DISCH. AT HAUGHTON ADDED TO COMPUTED FLOWS HERE				9 4 1966		9.36	
10 12 1965		11.15	2	28 2 1967		6.95	
PEAKS SELECTED FROM BOTHAMSTALL CHARTS				15 5 1967		9.72	
19 12 1965		8.76		17 10 1967		6.95	
23 12 1965		9.44		15 7 1968		10.91	
1 1 1966		7.42		2 11 1968		9.97	
9 2 1966		10.59	2				
20 2 1966		11.05					

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MEDEN AT BOTHAMSTALL

DATE	LEVEL	DISCHARGE	NOTE
25 2 1969		6.77	
13 3 1969		11.19	
18 3 1969		9.16	
26 4 1969		8.36	

DATE	LEVEL	DISCHARGE	NOTE
6 5 1969		9.59	
16 5 1969		7.53	
14 6 1969		7.94	
29 7 1969		6.55	

28801

BURBAGE BROOK AT BURBAGE

GRID REF SK259804 AREA 9.1 SQ. KM
 PERIOD OF RECORD 13 11 1925 TO 1 10 1969

TRA THRESHOLD 2.04 GRADE A2 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
27 12 1925	19.80	2.80	
5 3 1926	18.00	2.35	
18 7 1926	21.60	3.29	
18 11 1926	17.30	2.15	
9 4 1927	18.50	2.47	
10 4 1927	17.20	2.13	
15 9 1927	21.00	3.12	

DATE	LEVEL	DISCHARGE	NOTE
24 9 1935	16.90	2.05	
9 10 1935	18.10	2.37	
17 11 1935	22.70	3.61	
21 11 1935	17.50	2.21	
27 12 1935	20.00	2.85	
27 1 1936	17.40	2.18	
2 6 1936	20.10	2.88	

THESE LEVELS ARE IN INCHES

22 10 1927	19.60	2.75	
19 11 1927	19.20	2.64	
20 11 1927	20.30	2.93	
22 12 1927	18.80	2.54	
4 1 1928	26.00	4.65	
6 1 1928	27.00	4.99	
21 1 1928	19.30	2.67	
24 1 1928	19.60	2.75	
15 2 1928	22.10	3.43	

27 10 1936	18.90	2.57	
12 11 1936	17.60	2.23	
15 11 1936	17.70	2.26	
16 11 1936	18.50	2.47	
13 12 1936	23.30	3.79	
6 1 1937	17.70	2.26	
20 1 1937	18.50	2.47	
31 1 1937	18.60	2.49	
25 2 1937	18.60	2.49	
17 3 1937	25.00	4.32	
19 3 1937	18.50	2.47	
15 7 1937	19.10	2.62	

11 10 1928	20.60	3.01	
24 11 1928	20.20	2.91	
25 11 1928	20.70	3.04	
30 1 1929	17.30	2.15	

2 12 1937	29.50	5.88	
22 12 1937	18.00	2.35	

11 11 1929	22.00	3.41	
18 11 1929	19.20	2.64	
25 11 1929	17.00	2.07	
7 12 1929	20.70	3.04	
24 12 1929	21.60	3.29	
28 12 1929	18.80	2.54	
25 3 1930	18.30	2.42	
21 7 1930	19.30	2.67	
22 7 1930	20.30	2.93	
17 9 1930	18.60	2.49	

4 10 1938	20.60	3.01	
23 11 1938	18.00	2.35	
7 1 1939	25.50	4.48	
14 1 1939	27.80	5.26	
18 1 1939	21.10	3.15	
2 9 1939	17.70	2.26	

31 12 1930	17.60	2.23	
16 1 1931	17.50	2.21	
5 6 1931	19.20	2.64	
14 6 1931	17.20	2.13	
17 6 1931	18.10	2.37	
5 8 1931	20.70	3.04	
8 8 1931	34.70	7.95	
14 8 1931	22.20	3.46	
20 8 1931	18.10	2.37	
3 9 1931	17.90	2.32	
4 9 1931	49.10	15.16	

17 10 1939	22.80	3.64	
18 11 1939	21.30	3.21	
25 11 1939	19.00	2.59	
23 2 1940	24.10	4.04	

47.0 MEASURED, EXTRA ALLOWS FOR BYPASSING

31 10 1940	20.80	3.07	
11 11 1940	20.20	2.91	
17 11 1940	18.20	2.39	
21 11 1940	22.70	3.61	
7 2 1941	22.60	3.58	
8 2 1941	30.00	6.06	
16 2 1941	18.00	2.35	
27 2 1941	18.00	2.35	
8 3 1941	22.90	3.67	
25 3 1941	25.00	4.32	
26 5 1941	21.40	3.24	

4 11 1931	21.30	3.21	
24 11 1931	17.90	2.32	
6 1 1932	21.40	3.24	
6 4 1932	19.10	2.62	
21 5 1932	42.90	11.80	
23 5 1932	20.20	2.91	
13 7 1932	26.20	4.71	

18 10 1941	25.50	4.48	
11 11 1941	16.90	2.05	
11 1 1943	20.50	2.99	
10 5 1943	17.30	2.15	

4 3 1933	21.10	3.15	
7 10 1933	22.00	3.41	

22 1 1944	20.30	2.93	
24 1 1944	17.00	2.07	
3 7 1944	18.00	2.35	
2 9 1944	26.20	4.71	

4 12 1934	19.90	2.83	
16 2 1935	18.90	2.57	

20 11 1944	18.00	2.35	
27 11 1944	19.80	2.80	
30 1 1945	18.00	2.35	

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TRENT AT TRENT BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
22 1 1899	3.12	324.94		7 8 1912	7.16	177.20	
10 2 1899	2.89	270.53		28 8 1912	8.76	681.11	
10 4 1899	2.61	210.93		29 10 1912	7.95	352.44	
25 5 1899	2.54	195.99		30 11 1912	7.04	156.93	
8 1 1900	3.68	515.86		3 12 1912	7.62	270.85	4 8
21 2 1900	3.91	618.38		12 12 1912	7.49	243.89	
7 8 1900	2.33	159.90		28 12 1912	7.68	284.87	
6 12 1900	2.81	253.52		6 1 1913	7.90	340.67	
1 1 1901	4.54	966.72		25 1 1913	7.98	360.41	
8 3 1901	2.51	191.13		31 1 1913	7.74	299.25	
14 12 1901	3.42	415.19		10 2 1913	7.04	156.93	
2 1 1902	3.86	594.59		24 3 1913	7.80	313.99	
25 2 1902	2.74	237.08		17 4 1913	7.22	188.51	1
8 8 1902	2.48	186.34		1 5 1913	7.86	329.10	
2 12 1902	2.97	288.10		11 1 1914	7.28	200.19	
6 1 1903	3.04	306.24		14 11 1914	7.17	179.99	
19 3 1903	3.17	337.73		5 12 1914	7.46	237.38	
5 5 1903	3.09	318.64		19 12 1914	7.92	344.57	
11 9 1903	3.12	324.94		2 1 1915	8.51	565.16	
16 10 1903	3.49	439.08		17 1 1915	7.78	310.27	
29 10 1903	3.70	526.68		8 2 1915	7.77	306.58	
29 11 1903	3.20	344.21		19 2 1915	7.92	344.57	
10 12 1903	2.76	242.50		4 3 1915	7.16	177.20	
15 1 1904	2.38	168.00		17 7 1915	7.80	313.99	2
10 2 1904	3.67	510.50		13 11 1915	7.80	313.99	
21 2 1904	2.92	276.32		7 12 1915	8.19	432.84	
9 3 1904	2.36	163.92		28 12 1915	8.16	421.37	
15 3 1905	6.78	118.88		19 2 1916	7.79	312.50	8
9 1 1906	8.01	368.46		4 3 1916	8.77	688.81	
19 1 1906	7.39	221.49		18 3 1916	8.62	614.24	
11 2 1906	7.49	243.89		1 4 1916	7.90	338.34	8
3 3 1906	7.94	348.50		18 4 1916	7.25	194.31	
9 11 1906	7.19	182.81		20 11 1916	7.04	156.93	
21 11 1906	7.08	164.15		30 12 1916	8.01	368.46	
6 12 1906	7.01	152.20		10 1 1917	8.09	393.52	
18 12 1906	7.40	224.62		21 2 1917	7.08	164.15	2 8
3 1 1907	8.13	410.09		11 3 1917	7.26	196.06	2 8
16 5 1907	7.04	156.93		10 10 1917	7.25	194.31	
18 10 1907	7.60	267.40		28 11 1917	7.16	177.20	
28 11 1907	8.07	388.09		20 1 1918	8.30	474.52	8
15 12 1907	8.35	493.12		10 2 1918	7.48	240.62	
9 3 1908	7.79	312.50		30 12 1918	7.95	352.44	
26 3 1908	7.62	270.85		9 1 1919	7.89	336.79	
5 5 1908	8.35	493.12		21 1 1919	7.89	336.79	
25 3 1909	7.39	221.49		23 2 1919	8.56	585.88	
25 10 1909	7.55	257.19		13 3 1919	8.68	643.43	
4 12 1909	8.15	415.70		28 3 1919	7.49	243.89	
24 12 1909	8.83	720.14		24 12 1919	8.23	446.86	2
25 1 1910	7.23	191.40		12 1 1920	8.07	388.09	
3 2 1910	8.15	415.70		1 2 1920	7.95	352.44	
21 2 1910	7.28	200.19		11 2 1920	7.29	201.38	8
14 11 1910	7.37	218.38		21 2 1920	8.01	368.46	
24 11 1910	7.22	188.51		17 3 1920	7.75	302.90	
3 12 1910	9.17	908.31		10 4 1920	8.05	379.51	8
18 12 1910	8.62	614.24		27 4 1920	7.31	206.16	
1 3 1911	7.01	152.67		2 1 1921	7.64	276.41	8
13 3 1911	7.01	152.20		19 1 1921	8.09	393.52	
16 12 1911	7.86	329.10		28 12 1921	7.08	164.15	
7 1 1912	7.58	263.97		3 2 1922	7.46	237.38	8
22 1 1912	8.59	599.95		2 3 1922	7.90	340.67	
9 2 1912	7.10	166.59		6 8 1922	8.38	505.76	
18 2 1912	7.34	212.23		8 8 1922	7.92	344.57	8
5 8 1912	7.37	218.38		22 12 1922	8.83	720.14	8
				8 1 1923	7.46	237.38	
				28 2 1923	8.54	578.92	

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TRENT AT TRENT BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
14 4 1923	7.80	313.99		7 4 1932	7.13	171.67	
14 11 1923	7.54	253.83		4 5 1932	7.05	159.32	
2 1 1924	8.07	388.09		23 5 1932	9.23	945.48	
13 1 1924	7.62	270.85		22 10 1932	7.19	182.81	
25 1 1924	7.92	344.57		1 11 1932	7.58	263.97	
4 6 1924	8.32	480.67		26 11 1932	7.05	159.32	
31 10 1924	8.10	399.00		16 1 1933	7.25	194.31	
13 12 1924	7.69	288.43	8	9 2 1933	7.62	270.85	
3 1 1925	7.63	274.32		1 3 1933	8.80	704.37	
1 2 1925	7.40	224.62		19 3 1933	7.77	306.58	
14 2 1925	7.97	358.01	2	11 10 1933	7.08	164.15	
27 2 1925	7.57	260.57		15 1 1934	7.31	206.16	
9 5 1925	7.01	152.20		30 12 1934	7.42	227.78	
25 5 1925	7.33	209.18		26 2 1935	7.48	240.62	
23 10 1925	7.42	227.78		21 4 1935	7.16	177.20	
8 11 1925	7.77	306.58		10 10 1935	7.01	152.20	
5 1 1926	8.16	421.37		29 10 1935	7.23	191.40	
24 1 1926	7.43	230.95		19 11 1935	8.48	551.61	
9 2 1926	8.71	658.34		3 12 1935	7.46	237.38	
19 11 1926	7.52	250.49		24 12 1935	8.81	707.50	8
30 1 1927	7.89	336.79		10 1 1936	7.49	243.89	
28 2 1927	7.46	237.38		22 1 1936	7.60	267.40	
1 4 1927	7.46	237.38		31 1 1936	8.07	388.09	
11 4 1927	7.58	263.97		19 2 1936	7.54	253.83	8
16 9 1927	7.57	260.57		2 3 1936	7.16	177.20	
25 9 1927	7.71	292.01		10 3 1936	7.64	276.41	8
23 10 1927	7.44	232.23	8	2 4 1936	7.16	177.20	
3 11 1927	7.06	160.28	8	18 11 1936	22.70	334.33	
22 11 1927	7.86	329.10		15 12 1936	22.55	296.93	
1 12 1927	7.63	274.32		7 1 1937	22.40	261.80	
24 12 1927	8.07	388.09	8	19 1 1937	22.69	330.49	
3 1 1928	8.38	505.76		9 2 1937	22.58	304.23	
25 1 1928	8.59	599.95		27 2 1937	22.82	365.88	
6 2 1928	8.07	388.09		19 3 1937	22.95	406.53	
17 2 1928	8.07	388.09	1	19 4 1937	22.31	241.80	
3 11 1928	7.07	161.73		3 12 1937	22.44	272.10	
17 11 1928	7.46	237.38		14 12 1937	21.86	157.79	
26 11 1928	8.13	410.09		13 1 1938	22.25	228.93	
31 12 1928	7.54	253.83		31 1 1938	22.21	222.62	
3 2 1929	7.49	243.89		27 11 1938	22.29	238.55	
13 11 1929	8.04	377.38		17 12 1938	22.25	228.93	
2 12 1929	8.35	493.12		9 1 1939	23.51	646.11	
11 12 1929	8.39	512.16		27 1 1939	23.30	547.33	
26 12 1929	8.07	388.09		5 4 1939	22.11	201.27	
16 1 1930	8.16	421.37		18 10 1939	22.06	192.45	
28 1 1930	7.80	313.99		26 11 1939	22.99	423.43	
17 3 1930	8.07	388.09		10 12 1939	22.86	374.00	
5 4 1930	7.19	182.81		9 2 1940	23.62	699.38	
24 7 1930	7.52	250.49		24 2 1940	23.77	780.10	
21 9 1930	7.77	306.58		19 3 1940	22.87	379.30	
8 10 1930	7.08	164.15		5 11 1940	21.93	167.47	
3 11 1930	7.26	196.06	8	13 11 1940	22.87	379.30	
1 12 1930	7.65	277.81		23 11 1940	23.43	609.66	
13 12 1930	7.72	295.62		12 12 1940	22.38	258.41	
1 1 1931	7.74	299.25		24 1 1941	22.76	349.92	
30 1 1931	7.40	224.62		10 2 1941	23.46	624.08	
10 2 1931	7.65	277.81		10 3 1941	22.81	361.86	
1 3 1931	7.02	154.56		26 3 1941	22.98	417.75	
27 4 1931	7.84	325.29		24 8 1941	22.09	198.30	
25 5 1931	7.34	212.23		18 10 1941	22.52	289.72	
7 6 1931	7.49	243.89		14 11 1941	22.55	296.93	8
17 6 1931	7.36	216.52	8	26 1 1942	23.19	501.71	
16 8 1931	8.22	444.51		5 2 1942	22.89	384.66	
6 9 1931	8.38	505.76		5 3 1942	22.55	296.93	
19 11 1931	7.11	169.04		2 1 1943	22.21	222.62	
28 11 1931	7.40	224.62					
7 1 1932	8.04	377.38					

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TRENT AT TRENT BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
13 1 1943	22.99	423.43		9 6 1954	21.97	175.42	
23 1 1943	22.55	296.93		21 8 1954	22.17	213.33	
2 2 1943	23.07	452.56					
11 5 1943	21.85	155.42		25 10 1954	21.94	169.94	
10 1 1944	21.88	160.19	8	11 11 1954	22.12	204.25	
24 1 1944	22.64	319.10		28 11 1954	22.78	353.88	
4 4 1944	21.94	169.94		15 12 1954	22.76	349.92	
				27 3 1955	23.71	747.15	
21 10 1944	22.25	228.93		19 5 1955	21.91	165.03	
22 11 1944	22.76	349.92					
18 12 1944	22.40	261.80		5 10 1958	19.21	311.16	
19 1 1945	22.08	195.37		13 12 1958	19.20	308.40	
2 2 1945	23.33	560.82		19 12 1958	19.16	301.83	
14 2 1945	22.86	374.00		2 1 1959	19.12	293.70	
				23 1 1959	20.36	547.16	
30 10 1945	22.70	334.33		17 4 1959	19.12	294.73	
27 12 1945	22.03	186.60					
12 1 1946	21.94	169.94		31 1 1960	21.12	732.82	
9 2 1946	24.15	1006.00		28 2 1960	19.41	347.90	
24 2 1946	22.28	235.32		24 9 1960	19.25	317.26	
5 9 1946	22.06	192.45					
22 9 1946	22.92	395.50		10 10 1960	18.97	269.34	
				28 10 1960	19.68	400.32	
22 11 1946	23.51	646.11		2 11 1960	19.66	397.26	
12 12 1946	22.67	326.67		18 11 1960	19.09	289.40	
1 1 1947	22.25	228.93		27 11 1960	19.43	350.80	
13 1 1947	22.86	374.00		5 12 1960	21.42	809.99	
19 3 1947	24.30	1107.00		6 2 1961	19.29	326.22	
1 4 1947	22.89	384.66					
				12 1 1962	18.95	265.71	
14 1 1948	23.18	495.39					
31 1 1948	22.20	219.50		21 12 1962	18.97	268.30	
13 9 1948	21.88	160.19		6 3 1963	19.13	295.86	
				31 3 1963	19.05	283.00	
15 12 1948	22.46	275.58		SPIKE ON PEAK IGNORED			
2 1 1949	23.46	624.08		20 11 1963	19.24	316.70	2
8 4 1949	22.82	365.88		26 11 1963	19.01	274.56	2
				15 3 1964	19.45	356.04	2
27 10 1949	22.21	222.62	8	25 3 1964	19.28	323.97	
10 11 1949	22.05	189.56					
18 11 1949	21.94	169.94		13 12 1964	19.19	307.31	
5 12 1949	22.11	201.27		10 1 1965	19.08	288.33	4
19 12 1949	22.28	235.32		24 3 1965	19.36	337.56	
4 1 1950	22.06	192.45		26 9 1965	19.20	308.40	
11 2 1950	23.13	475.74					
26 2 1950	22.55	296.93		3 12 1965	19.34	335.28	
				11 12 1965	21.12	731.25	2
23 11 1950	22.37	255.04		20 12 1965	20.36	547.85	
8 12 1950	22.18	216.41		3 1 1966	19.79	423.26	2
8 1 1951	23.46	624.08		8 2 1966	19.84	433.34	2
18 1 1951	22.26	232.11		21 2 1966	20.46	570.37	
17 2 1951	22.86	374.00		3 3 1966	19.12	293.70	
24 3 1951	22.99	423.43		10 4 1966	19.20	309.51	
11 4 1951	21.97	175.42		21 4 1966	19.30	326.78	
5 5 1951	21.94	169.94					
				14 10 1966	19.24	316.15	
7 11 1951	22.87	379.30		3 12 1966	19.26	319.49	
26 11 1951	23.08	458.53		12 12 1966	19.60	385.12	
6 12 1951	22.09	198.30		28 2 1967	19.55	375.52	
30 12 1951	22.49	282.61		10 3 1967	19.16	301.29	
11 1 1952	22.66	322.87		15 5 1967	19.23	313.93	
1 2 1952	21.97	175.42		28 5 1967	19.36	337.56	
11 2 1952	22.02	183.34					
8 3 1952	22.11	201.27		17 10 1967	19.27	321.72	
16 4 1952	22.11	201.27		6 11 1967	19.44	353.12	2
9 5 1952	22.29	238.55		6 1 1968	19.29	325.65	2
				15 1 1968	20.01	468.09	
21 12 1952	22.86	374.00		15 7 1968	19.13	296.40	
11 2 1953	21.88	160.19					
19 2 1953	22.64	319.10		2 11 1968	19.80	425.14	
3 4 1953	22.17	213.33		14 1 1969	19.05	281.41	
				21 1 1969	19.65	393.60	
21 1 1954	22.28	235.32		12 2 1969	19.28	323.97	
14 2 1954	22.40	261.80		25 2 1969	19.59	383.31	
7 3 1954	22.47	279.08		14 3 1969	19.46	356.62	

29001

WAITHE BECK AT BRIGSLEY

GRID REF TA253016 AREA 108. SQ.KM
 PERIOD OF RECORD 19 8 1960 TO 2 10 1969

LINRA THRESHOLD 1.13 GRADE A2
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE
8 5 1969	19.95	456.39	
10 10 1960		1.61	
29 10 1960		1.47	1
1 11 1960		1.19	
22 11 1960		1.19	
25 11 1960		1.22	
3 12 1960		1.90	
20 12 1960		2.43	
26 12 1960		1.44	
4 1 1961		1.56	
9 1 1961		1.84	
13 1 1961		1.70	
21 1 1961		2.15	
28 1 1961		1.42	1
30 12 1961		2.75	
21 4 1962		1.22	
5 5 1963		1.30	
6 7 1963		1.42	
18 8 1963		1.36	1
19 11 1963		1.25	1
21 11 1963		1.50	1
29 9 1965		0.57	
29 11 1965		2.43	

DATE	LEVEL	DISCHARGE	NOTE
9 12 1965		1.93	
29 12 1965		1.61	
28 1 1966		1.27	
8 2 1966		2.24	
20 2 1966		2.09	
25 2 1966		1.90	
2 4 1966		1.19	
14 5 1967		1.70	2
16 9 1968		1.25	
1 11 1968		3.74	1
2 1 1969		1.16	
13 1 1969		1.47	
16 1 1969		2.46	
17 1 1969		1.73	
21 1 1969		1.70	
23 2 1969		1.70	
28 2 1969		1.19	
13 3 1969		2.07	
31 3 1969		1.98	
15 4 1969		1.84	
22 4 1969		1.53	
26 4 1969		1.95	
29 4 1969		1.56	
3 6 1969		1.30	

29003

LJD AT LOUTH

GRID REF TF336876 AREA 55.1 SQ.KM
 PERIOD OF RECORD 10 5 1966 TO 8 10 1970

LINRA THRESHOLD 1.52 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE
23 6 1966	0.36	1.59	
14 5 1967	0.46	2.48	
28 5 1967	0.39	1.78	
6 11 1967	0.35	1.54	
11 7 1968	0.61	5.30	
16 9 1968	0.34	2.08	
27 9 1968	0.31	1.83	
2 11 1968	0.76	7.35	
7 11 1968	0.38	2.48	
26 11 1968	0.32	1.88	
13 1 1969	0.36	2.32	

DATE	LEVEL	DISCHARGE	NOTE
16 1 1969	0.47	3.51	
21 1 1969	0.39	2.63	
24 2 1969	0.32	1.88	
13 3 1969	0.50	3.86	
15 3 1969	0.32	1.94	
31 3 1969	0.36	2.32	
15 4 1969	0.38	2.51	
22 4 1969	0.29	1.69	
2 6 1969	0.35	2.26	
19 2 1970	0.34	2.11	
11 3 1970	0.30	1.77	
12 4 1970	0.49	3.76	

30001

WITHAM AT CLAYPOLE HILL

GRID REF SK842480 AREA 298. SQ.KM
 PERIOD OF RECORD 27 1 1959 TO 30 9 1969

LINRA THRESHOLD 7.90 GRADE A2
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE
16 4 1959		8.35	
25 1 1960		16.42	
30 1 1960		17.55	
12 2 1960		9.63	1
23 9 1960		8.07	
24 10 1960		12.54	
30 10 1960		16.99	
18 11 1960		11.47	
22 11 1960		14.58	
27 11 1960		11.61	
4 12 1960		28.88	1

DATE	LEVEL	DISCHARGE	NOTE
21 12 1960		23.21	
6 1 1961		11.47	
9 1 1961		11.04	
21 1 1961		13.59	
6 4 1961		8.49	
6 1 1962		8.63	
30 3 1963		7.93	6
15 3 1964		12.63	
20 3 1964		7.93	
24 3 1964		10.62	

30001

WITHAM AT CLAYPOLE MILL

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
29 9 1965		5.38		28 5 1967		9.20	
29 11 1965		16.84		6 11 1967		8.07	
5 12 1965		9.34		14 1 1968		8.92	
10 12 1965		18.32		11 7 1968		11.61	
13 12 1965		9.00		16 7 1968		8.78	
19 12 1965		16.56		17 9 1968		8.78	
23 12 1965		15.29		23 9 1968		8.92	
1 1 1966		12.46		3 11 1968		25.90	
26 1 1966		9.48		21 1 1969		8.12	8
8 2 1966		12.63		12 2 1969		11.81	8
20 2 1966		14.30		23 2 1969		11.04	
10 4 1966		8.04		13 3 1969		14.72	
20 4 1966		11.18		19 3 1969		10.90	
10 12 1966		10.76		6 5 1969		18.54	
28 2 1967		11.47		18 5 1969		9.77	
15 5 1967		22.93		30 5 1969		8.49	

30002

BARLINGS EAU AT LANGWORTH BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
7 10 1960	1.43	11.71		25 11 1965	1.45	13.88	
10 10 1960	1.61	14.16		29 11 1965	2.50	28.30	2
20 10 1960	1.63	14.33		WEIR UNDER CONSTRUCTION			
25 10 1960	1.54	13.20		2 12 1965	1.59	16.40	2
30 10 1960	2.16	22.45		WEIR UNDER CONSTRUCTION			
1 11 1960	2.06	20.87		9 12 1965	2.08	24.60	2
17 11 1960	1.75	16.07		WEIR UNDER CONSTRUCTION			
23 11 1960	1.87	17.88		13 12 1965	1.29	12.70	
26 11 1960	2.01	20.00		WEIR UNDER CONSTRUCTION			
4 12 1960	2.56	29.32		19 12 1965	1.98	21.21	
20 12 1960	2.80	33.92		23 12 1965	1.90	20.06	
2 1 1961	1.45	11.91		29 12 1965	1.25	11.36	
6 1 1961	1.94	18.95		1 1 1966	1.75	17.89	1
9 1 1961	2.02	20.24		28 1 1966	1.67	16.83	
13 1 1961	1.76	16.20		8 2 1966	2.08	22.70	1
21 1 1961	2.16	22.45		20 2 1966	2.19	24.35	
6 4 1961	1.35	10.74		25 2 1966	1.38	12.98	
30 12 1961	1.76	16.20		15 5 1967	1.44	13.72	
22 1 1962	1.68	15.11		6 11 1967	1.54	15.09	1
21 4 1962	1.68	15.06		11 7 1968	1.16	10.24	1
20 12 1962	1.48	12.39		16 9 1968	1.69	17.04	
5 3 1963	1.85	17.56		2 11 1968	2.24	25.05	
9 3 1963	1.80	16.79		8 11 1968	1.23	11.06	
14 3 1963	1.34	10.59		13 1 1969	1.23	11.06	
2 9 1963	1.61	14.12		18 1 1969	1.33	12.28	
19 11 1963	2.27	24.23		21 1 1969	1.73	17.59	
29 11 1963	1.49	12.51		22 2 1969	1.41	13.37	
15 3 1964	1.96	19.28		13 3 1969	1.17	10.32	
24 3 1964	1.71	15.59		15 3 1969	1.28	11.63	1
29 9 1965	1.62	14.21		15 4 1969	1.29	11.82	
				26 4 1969	1.79	18.53	
				4 6 1969	1.90	20.10	

30003

BAIN AT FULSBY LOCK

GRID REF TF241611 AREA 197. SQ.KM
 PERIOD OF RECORD 7 9 1962 TO 7 10 1969

LINRA THRESHOLD 5.65 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 3 1963		10.81		23 11 1966		5.83	
19 11 1963		8.92		1 12 1966		5.66	
15 3 1964		10.45		16 5 1967		12.46	
24 3 1964		7.45		28 5 1967		9.12	
29 9 1965		4.90		6 11 1967		10.90	
25 11 1965		6.45		11 7 1968		21.94	
29 11 1965		30.60		11 9 1968		6.23	
2 12 1965		9.34		16 9 1968		17.27	
5 12 1965		10.47		27 9 1968		7.93	
9 12 1965		24.15		30 10 1968		5.66	
13 12 1965		8.69		2 11 1968		25.34	
18 12 1965		23.04		8 11 1968		7.36	
23 12 1965		16.82		5 1 1969		7.22	8
29 12 1965		8.78		13 1 1969		8.75	8
1 1 1966		16.42		16 1 1969		19.68	8
28 1 1966		12.46		18 1 1969		11.47	8
8 2 1966		10.25		21 1 1969		12.71	8
20 2 1966		22.36		22 2 1969		11.04	8
25 2 1966		8.72		13 3 1969		13.31	8
3 3 1966		5.66		19 3 1969		6.40	8
				15 4 1969		11.01	8
				22 4 1969		6.85	
				3 6 1969		16.70	

30004

PARTNEY LYMN AT PARTNEY MILL

GRID REF TF402676 AREA 61.6 SQ.KM
 PERIOD OF RECORD 4 5 1962 TO 27 2 1969

LINRA THRESHOLD 2.83 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
20 12 1962		3.11		20 2 1966		6.14	
27 1 1963		3.17		23 6 1966		4.78	8
5 3 1963		4.05		23 11 1966		3.31	
14 3 1964		5.61		1 12 1966		3.31	
24 3 1964		3.82		14 5 1967		5.32	
21 4 1964		3.23		6 11 1967		3.71	
21 3 1965		2.12		11 7 1968		13.25	
25 11 1965		5.38	2 3	8 8 1968		5.27	
29 11 1965		11.00	2 3	11 9 1968		4.81	
4 12 1965		3.26		16 9 1968		6.51	
9 12 1965		5.92		2 11 1968		10.11	2
18 12 1965		5.38		26 11 1968		3.14	
23 12 1965		5.01		13 1 1969		2.97	
29 12 1965		3.31		16 1 1969		6.48	
1 1 1966		3.85		18 1 1969		2.89	
28 1 1966		4.81	2	20 1 1969		4.05	
8 2 1966		6.03		23 2 1969		4.67	

30011

BAIN AT GOULCEBY BRIDGE

GRID REF TF246794 AREA 62.5 SQ.KM
 PERIOD OF RECORD 17 6 1966 TO 1 10 1969

LINRA THRESHOLD 1.63 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
31 7 1966	0.27	1.82		31 10 1968	0.25	1.67	
15 5 1967	0.28	2.00		2 11 1968	0.74	11.31	
28 5 1967	0.32	2.49		8 11 1968	0.33	2.71	
6 11 1967	0.33	2.66		5 1 1969	0.26	1.78	
11 7 1968	0.52	6.03		13 1 1969	0.28	2.00	
16 9 1968	0.32	2.53		16 1 1969	0.37	3.21	
				21 1 1969	0.36	3.12	
				23 2 1969	0.35	2.88	
				13 3 1969	0.36	3.07	

30011 BAIN AT GOULCEBY BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
31 3 1969	0.27	1.82		22 4 1969	0.30	2.20	
12 4 1969	0.26	1.74		3 6 1969	0.35	2.88	
15 4 1969	0.34	2.75					

31002 GLEN AT KATES BRIDGE

GRID REF TF106149 AREA 342. SQ. KM
 PERIOD OF RECORD 18 10 1958 TO 30 9 1969

WNRA THRESHOLD 8.49 GRADE A2 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
19 1 1959		17.13		10 12 1965		14.16	
22 1 1959		13.59		19 12 1965		12.17	
25 1 1960		11.18		23 12 1965		12.17	
30 1 1960		16.70		1 1 1966		9.63	
21 2 1960		9.63	9	26 1 1966		9.99	
ESTIMATED FROM KING ST				8 2 1966		10.19	
2 11 1960		18.97	2	20 2 1966		18.54	
18 11 1960		11.32		25 2 1966		10.33	
23 11 1960		16.28		11 4 1966		11.47	6
27 11 1960		12.31		SPIKE ON PEAK IGNORED			
4 12 1960		30.15		20 4 1966		15.57	
21 12 1960		29.44		10 12 1966		11.04	
3 1 1961		8.78		28 2 1967		8.49	
6 1 1961		13.87		16 5 1967		21.66	
10 1 1961		12.31		11 7 1968		12.17	
21 1 1961		14.44		2 11 1968		34.54	
29 1 1961		9.20		27 11 1968		9.09	2
29 12 1961		4.10		22 12 1968		9.29	2
10 3 1963		7.36		16 1 1969		14.72	
15 3 1964		14.89		21 1 1969		8.63	
19 3 1964		9.06		12 2 1969		13.31	
25 3 1964		9.91	2	24 2 1969		17.84	
22 3 1965		5.95		13 3 1969		25.20	
29 11 1965		12.03		18 3 1969		16.56	
				6 5 1969		24.06	
				18 5 1969		14.16	
				31 5 1969		14.44	1

31005 WELLAND AT TIXOVER

GRID REF SP971998 AREA 404. SQ. KM
 PERIOD OF RECORD 24 4 1962 TO 6 10 1969

WNRA THRESHOLD 11.50 GRADE A2 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
6 3 1963	2.14	14.78		11 12 1966	2.56	22.79	
31 3 1963	2.83	31.16		24 12 1966	1.97	12.15	
16 3 1964	2.45	20.45		21 2 1967	2.17	15.36	
21 3 1964	2.51	21.67		1 3 1967	2.50	21.49	
25 3 1964	2.60	23.55		10 3 1967	2.09	13.90	
24 3 1965	2.07	13.55		16 5 1967	3.10	45.69	
10 9 1965	2.09	13.95		6 11 1967	2.01	12.56	
27 9 1965	2.07	13.55		13 7 1968	3.04	41.78	
1 12 1965	2.61	23.81		9 10 1968	31.89	12.69	
6 12 1965	2.20	15.73		3 11 1968	33.14	56.08	2
11 12 1965	2.84	31.87		28 11 1968	32.06	15.62	
20 12 1965	2.74	27.40		23 12 1968	32.30	20.08	2
24 12 1965	2.66	24.85		14 1 1969	31.93	13.45	
1 1 1966	2.13	14.57		18 1 1969	32.04	15.34	2
26 1 1966	1.92	11.57		22 1 1969	32.04	15.21	
9 2 1966	2.19	15.62		13 2 1969	32.65	29.00	
21 2 1966	2.88	33.77		25 2 1969	32.84	38.20	
26 2 1966	2.36	18.68		14 3 1969	32.75	33.29	
21 4 1966	2.45	20.51		19 3 1969	32.08	15.99	
				7 5 1969	32.92	42.50	
				31 5 1969	31.82	11.92	

32002

WILLOW BROOK AT FOTHERINGHAY

GRID REF TL067933 AREA 89.6 SQ. KM
 PERIOD OF RECORD 3 10 1938 TO 30 9 1969
 SIGNIFICANT GAPS
 26 4 1952 TO 29 5 1952

WNRA GRADE A2
 THRESHOLD 2.12 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
2 1 1939		3.54		12 11 1954		3.11	2
8 1 1939		6.37		26 11 1954		5.24	2
16 1 1939		4.95	2	10 12 1954		5.95	
26 1 1939		15.60		11 1 1955		2.69	
26 1 1939		10.33		17 1 1955		2.26	
18 10 1939		3.23	2	23 1 1955		3.11	2
19 11 1939		2.29	2	6 2 1955		2.18	2
25 11 1939		3.45	2	27 3 1955		7.79	2
5 12 1939		4.84		18 5 1955		2.55	
9 12 1939		3.68	2				
8 2 1940		5.52	2	31 1 1956		2.75	
21 2 1940		5.04	2				
29 2 1940		2.41	2	29 12 1956		3.54	2
18 3 1940		5.21	2	SPIKE ON PEAK IGNORED			
				13 2 1957		2.21	
22 11 1940		5.38	2	26 9 1957		5.21	2
26 1 1941		5.46	2				
8 2 1941		2.29		5 11 1957		3.17	2
20 2 1941		2.26	2	14 12 1957		2.12	
8 3 1941		6.88	2	25 12 1957		2.46	2
26 3 1941		4.25	2	7 1 1958		2.69	
2 4 1941		3.37	2	29 1 1958		4.44	
				10 2 1958		2.69	
25 1 1942		2.86		25 2 1958		4.64	2
4 2 1942		2.83	2	28 6 1958		4.93	
11 2 1942		3.40	2	4 7 1958		2.49	2
4 3 1942		3.51	2				
				12 12 1958		2.12	2
1 2 1943		4.16		7 1 1959		6.14	2
				22 1 1959		7.53	2
5 4 1944		0.74	6				
				29 1 1960		5.35	2
1 2 1945		4.67	1	13 2 1960		2.43	2
13 2 1945		2.69	2	31 3 1960		2.24	
				16 9 1960		2.15	2
7 2 1946		1.42	2				
				2 11 1960		6.94	2
16 11 1946		2.41	2	22 11 1960		2.63	2
21 11 1946		2.83	2	4 12 1960		4.67	2
29 11 1946		2.83	2	21 12 1960		6.28	2
12 12 1946		2.24	2	10 1 1961		2.29	2
11 1 1947		4.76	2	22 1 1961		2.97	2
11 3 1947		4.13	2	5 2 1961		2.12	2
17 3 1947		15.00	2	24 4 1961		2.21	2
28 3 1947		2.69	2				
4 4 1947		3.14	2	30 12 1961		2.55	2
				11 1 1962		2.43	2
14 1 1948		1.22	2	19 4 1962		2.16	2
1 1 1949		2.69	1	30 3 1963		5.78	2
7 2 1950		2.77	2	19 11 1963		2.42	
13 2 1950		2.18		15 3 1964		6.26	
				20 3 1964		4.21	
6 1 1951		3.37		24 3 1964		3.73	
11 2 1951		4.25					
17 2 1951		4.53		22 3 1965		2.41	
15 3 1951		3.43					
23 3 1951		2.55		30 11 1965		2.99	
10 4 1951		3.17	2	10 12 1965		3.63	
6 5 1951		2.86		19 12 1965		3.76	
				23 12 1965		3.47	
30 12 1951		3.40	2	9 2 1966		2.63	
10 3 1952		3.96	19	20 2 1966		5.02	
10 3 1952		4.25	1	26 2 1966		3.04	
				10 4 1966		2.46	
20 12 1952		2.32	2	20 4 1966		4.73	6
10 2 1953		2.69		SPIKE ON PEAK IGNORED			
				23 6 1966		2.17	
13 6 1954		2.41		31 8 1966		4.73	

32002

WILLOW BROOK AT FOTHERINGHAY

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 12 1966		4.81		2 9 1968		2.84	
24 12 1966		2.73		11 9 1968		2.29	
21 2 1967		2.67		17 9 1968		6.01	
28 2 1967		3.88		20 9 1968		2.77	
10 3 1967		3.95		27 9 1968		3.02	
11 4 1967		2.83	6	9 10 1968		3.34	
SPIKE ON PEAK IGNORED				2 11 1968		6.74	
15 5 1967		8.37		27 11 1968		3.14	
17 10 1967		2.13		22 12 1968		4.04	
6 1 1968		3.02		16 1 1969		7.14	
14 1 1968		3.88		21 1 1969		2.85	
10 2 1968		2.39		12 2 1969		3.61	
14 2 1968		2.21		24 2 1969		7.26	
12 7 1968		7.26		13 3 1969		8.74	2
17 7 1968		2.84		19 3 1969		3.94	
9 8 1968		2.36	6	6 5 1969		7.41	
SPIKE ON PEAK IGNORED				18 5 1969		2.37	
29 8 1968		3.03		20 7 1969		2.47	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
1952-1953

32003

HARPERS BROOK AT OLD MILL BRIDGE

GRID REF	SP983799	AREA	74.3 SQ. KM	WNRA	THRESHOLD	GRADE	C
PERIOD OF RECORD	7 12 1938 TO	6 10 1969			3.60	CUMECs	
SIGNIFICANT GAPS	10 2 1942 TO	16 2 1942	13 12 1948 TO	21 1 1949	21 11 1950 TO	23 11 1950	
	25 11 1951 TO	26 11 1951					

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
28 12 1938	1.15	4.35		11 1 1947	1.07	3.93	2
29 12 1938	1.24	4.85		10 3 1947	1.47	6.09	2
1 1 1939	1.65	7.15	2	14 3 1947	2.14	12.20	
7 1 1939	2.04	10.50		16 3 1947	2.40	18.95	
11 1 1939	1.15	4.34		30 1 1948	0.54	1.22	1
15 1 1939	1.00	3.60		6 2 1950	1.01	3.63	2
16 1 1939	1.35	5.42		5 1 1951	1.21	4.65	
26 1 1939	2.34	17.42		11 2 1951	1.21	4.69	2
5 4 1939	1.28	5.04		17 2 1951	1.09	4.06	2
18 10 1939	1.07	3.93	2 6	14 3 1951	1.03	3.75	
19 11 1939	1.24	4.85		9 4 1951	1.18	4.49	
24 11 1939	1.44	5.93		5 5 1951	1.06	3.90	
6 12 1939	1.85	8.46		29 12 1951	1.00	3.60	2
8 12 1939	1.57	6.66		9 3 1952	1.22	4.72	
7 2 1940	2.16	12.56		10 12 1952	1.06	3.90	2
21 2 1940	1.98	9.86		10 2 1953	1.04	3.78	
17 3 1940	1.82	8.26		7 3 1954	0.78	2.38	
22 11 1940	2.03	10.42		25 11 1954	1.44	5.93	
22 1 1941	1.73	7.68		27 11 1954	1.34	5.34	
25 1 1941	1.88	8.78		8 12 1954	1.59	6.79	2
28 1 1941	1.40	5.68		13 12 1954	1.89	8.84	
8 3 1941	2.10	11.27		10 1 1955	1.09	4.06	6
10 3 1941	1.07	3.95		16 1 1955	1.14	4.27	
25 3 1941	1.52	6.37		26 3 1955	2.07	10.90	
24 1 1942	1.46	6.03	2	17 5 1955	1.40	5.68	6
4 2 1942	1.38	5.61		26 1 1956	0.97	3.45	6
4 3 1942	1.67	7.32	2	28 12 1956	1.28	5.03	2
1 2 1943	1.73	7.68		25 9 1957	1.60	6.83	2
4 4 1944	0.53	1.16		13 12 1957	1.02	3.68	2
31 1 1945	1.24	4.85	6	24 12 1957	1.00	3.60	6 2
7 2 1946	0.82	2.63		20 1 1958	1.25	4.90	
15 11 1946	1.11	4.15	2	9 2 1958	1.09	4.06	6
17 11 1946	1.10	4.10	2				
27 11 1946	1.12	4.18	6				

32003

HARPERS BROOK AT OLD MILL BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
24 2 1958	1.28	5.06		8 2 1966	1.01	5.56	
27 6 1958	1.63	7.07		20 2 1966	1.10	6.63	
2 7 1958	1.07	3.93		22 2 1966	0.93	4.62	
6 1 1959	2.17	12.78		25 2 1966	0.91	4.43	
18 1 1959	1.25	4.86	6 2	9 4 1966	0.87	4.02	
20 1 1959	1.44	5.90	2	19 4 1966	1.05	6.08	
24 1 1960	1.00	3.60		10 12 1966	1.12	6.95	
28 1 1960	1.03	3.75		20 2 1967	0.89	4.24	
30 1 1960	1.03	3.72		27 2 1967	1.05	6.00	
27 10 1960	1.15	4.37	6	9 3 1967	0.92	4.56	
30 10 1960	1.12	4.21		11 4 1967	0.93	4.66	2
1 11 1960	1.43	5.88	2	15 5 1967	1.68	10.52	
17 11 1960	1.17	4.48		5 1 1968	1.08	6.47	
22 11 1960	1.05	3.84		14 1 1968	1.21	8.17	
4 12 1960	1.50	6.26		11 7 1968	1.52	9.74	
20 12 1960	1.61	6.90		1 9 1968	0.87	4.02	
10 1 1961	1.02	3.60	2	17 9 1968	1.07	6.27	
30 12 1961	0.99	3.53	2	27 9 1968	0.89	4.24	
30 3 1963	1.43	5.85	6	8 10 1968	0.90	4.36	
15 3 1964	1.63	7.02		2 11 1968	1.48	9.53	
19 3 1964	1.35	5.42		26 11 1968	0.83	3.66	
24 3 1964	1.23	4.77		21 12 1968	1.03	5.85	
22 3 1965	0.82	2.63		14 1 1969	0.86	3.96	
9 12 1965	1.21	8.15		16 1 1969	1.32	8.76	
17 12 1965	0.89	4.17		17 1 1969	0.99	5.27	
18 12 1965	1.17	7.58	6	22 1 1969	0.89	4.17	
23 12 1965	0.99	5.38		11 2 1969	0.96	4.99	6
RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM				24 2 1969	1.34	8.86	
1948-1949 1965-1966				13 3 1969	1.66	10.44	
				18 3 1969	0.89	4.17	
				6 5 1969	1.44	9.35	
				30 5 1969	0.99	5.27	

32004

ISE BROOK AT HARROWDEN OLD MILL

GRID REF	SP898715	AREA	194.	SQ. KM	WNRA	GRADE	D
PERIOD OF RECORD	2 12 1943 TO	6 10 1969	THRESHOLD	5.60	CUMECs		
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
13 1 1945	1.28	6.61		6 1 1951	1.64	16.61	
1 2 1945	1.62	15.91		12 2 1951	1.43	9.85	
13 2 1945	1.34	7.63		17 2 1951	1.63	16.37	
28 12 1945	1.31	7.26		15 3 1951	1.49	11.39	
11 1 1946	1.31	7.11		19 3 1951	1.46	10.52	
8 2 1946	1.22	5.73		24 3 1951	1.37	8.33	
16 11 1946	1.49	11.30	2	7 4 1951	1.39	8.77	2
21 11 1946	1.55	13.21		9 4 1951	1.68	18.35	2
25 11 1946	1.29	6.91	2	14 4 1951	1.37	8.33	
29 11 1946	1.51	11.94	2	5 5 1951	1.80	23.73	2
11 12 1946	1.28	6.61		19 11 1951	1.25	6.28	
12 1 1947	1.46	10.52		24 11 1951	1.44	10.10	2
17 3 1947	1.88	28.39		29 12 1951	1.55	13.31	
31 3 1947	1.44	10.10		11 1 1952	1.21	5.69	2
4 4 1947	1.35	7.85	2	10 3 1952	1.59	14.56	2
8 4 1947	1.31	7.26	2	9 4 1952	1.26	6.37	
14 1 1948	1.14	4.66	2	6 5 1952	1.36	8.12	2
13 12 1948	1.38	8.62	2	19 12 1952	1.44	10.02	
1 1 1949	1.37	8.33		11 2 1953	1.54	13.11	2 6
5 1 1949	1.24	6.00		11 2 1954	1.28	6.61	6
6 2 1950	1.42	9.61		7 3 1954	1.24	6.09	2
12 2 1950	1.52	12.32		13 6 1954	1.45	10.18	2
22 11 1950	1.49	11.39		25 10 1954	1.21	5.69	2
				28 10 1954	1.28	6.61	
				7 11 1954	1.43	9.69	2
				12 11 1954	1.40	8.92	

32004

ISE BROOK AT HARROWDEN OLD MILL

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 11 1954	1.75	21.19	2	5 2 1961	1.26	6.42	
9 12 1954	1.79	23.27	2	1 3 1961	1.26	6.37	
13 12 1954	1.72	20.07	2				
11 1 1955	1.24	6.05		30 12 1961	1.22	5.78	6 2
16 1 1955	1.35	7.85		7 1 1962	1.42	9.53	2
22 1 1955	1.52	12.23		11 1 1962	1.39	8.69	
10 2 1955	1.31	7.21	2				
27 3 1955	1.85	26.32		6 3 1963	1.57	14.13	2
6 5 1955	1.21	5.69	2	10 3 1963	1.28	6.71	
18 5 1955	1.55	13.31		30 3 1963	1.66	17.46	
13 6 1955	1.23	5.91					
27 1 1956	1.47	10.77		19 11 1963	1.42	9.45	
31 1 1956	1.46	10.52		29 11 1963	1.23	5.91	
3 8 1956	1.32	7.32	6	15 3 1964	1.64	16.73	
				19 3 1964	1.59	14.56	
29 12 1956	1.64	16.61		25 3 1964	1.62	15.79	
6 2 1957	1.23	5.91	2				
8 2 1957	1.30	7.01	2	22 3 1965	0.89	5.91	
12 2 1957	1.39	8.84	2	10 9 1965	0.87	5.65	
24 2 1957	1.26	6.32					
10 3 1957	1.27	6.51	2	30 11 1965	1.19	11.19	
26 9 1957	1.35	7.79	2	5 12 1965	0.91	6.18	
				9 12 1965	1.20	11.32	
5 11 1957	1.46	10.69	2	19 12 1965	1.31	13.67	
13 12 1957	1.33	7.58	2	24 12 1965	1.24	12.29	
25 12 1957	1.27	6.56	2	1 1 1966	0.88	5.70	6
6 1 1958	1.38	8.62	2	9 2 1966	0.87	5.61	
29 1 1958	1.60	15.22		20 2 1966	1.17	10.82	
10 2 1958	1.50	11.67		26 2 1966	1.06	8.68	
14 2 1958	1.32	7.37		10 4 1966	0.99	7.52	
25 2 1958	1.62	15.91		19 4 1966	1.20	11.32	
27 6 1958	1.56	13.61		31 8 1966	0.97	7.13	
2 7 1958	1.91	30.03	2				
14 10 1958	1.33	7.53		15 10 1966	1.08	8.95	
3 11 1958	1.25	6.18		10 12 1966	1.17	10.76	
11 12 1958	1.30	6.96	2	20 2 1967	1.11	9.52	
19 12 1958	1.24	6.14		28 2 1967	1.03	8.14	
7 1 1959	1.81	24.04	2	9 3 1967	1.04	8.30	
18 1 1959	1.67	17.59	2	14 5 1967	1.50	16.94	
20 1 1959	1.73	20.49	2				
3 3 1959	1.32	7.32		6 1 1968	0.93	6.50	
8 3 1959	1.24	6.09	2	16 1 1968	1.28	13.16	
17 4 1959	1.46	10.43	2	10 7 1968	1.32	13.87	
				8 8 1968	0.91	6.23	
25 1 1960	1.59	14.78		16 9 1968	0.99	7.37	
29 1 1960	1.64	16.61					
21 10 1960	1.44	10.10		3 11 1968	1.39	15.04	
27 10 1960	1.59	14.56	2	27 11 1968	0.98	7.22	
2 11 1960	1.68	18.22		21 12 1968	1.07	8.84	
17 11 1960	1.57	14.13		16 1 1969	1.17	10.82	
22 11 1960	1.43	9.69		22 1 1969	1.03	8.04	
5 12 1960	1.68	18.09		12 2 1969	1.10	9.46	
26 12 1960	1.63	16.02		24 2 1969	1.44	15.77	
10 1 1961	1.47	10.95		13 3 1969	1.37	14.68	
				19 3 1969	1.06	8.57	
				6 5 1969	1.43	15.72	
				30 5 1969	1.43	15.72	

32006

KISLINGSBURY BRANCH AT UPTON

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
22 11 1940	1.16	15.17		31 12 1948	1.11	13.74	
4 2 1942	1.11	15.11		6 2 1950	1.10	13.43	2
RIVER AUTHORITY ESTIMATE				13 4 1951	1.14	14.52	2
1 2 1943	1.09	13.36		9 3 1952	1.08	12.98	2
3 4 1944	0.49	2.27	1	17 12 1952	1.06	12.54	
1 2 1945	1.15	14.92	2	10 2 1954	1.02	11.53	2
28 12 1945	1.05	12.24		18 5 1955	1.07	12.83	2
18 3 1947	1.49	63.25		31 1 1956	0.99	11.04	2
CHART EXCEEDED, LEVEL FROM STAFF GAUGE				1 1 1957	1.14	14.45	2
12 9 1948	0.86	8.22	2	29 1 1958	1.11	13.82	2

32006

KISLINGBURY BRANCH AT UPTON

DATE	LEVEL	DISCHARGE	NOTE
7 1 1959	1.07	12.76	
25 1 1960	0.75	6.13	2
1 11 1960	1.03	11.88	
12 1 1962	0.67	4.59	2
9 3 1963	0.89	8.88	
24 3 1964	1.12	14.05	

DATE	LEVEL	DISCHARGE	NOTE
21 3 1965	0.98	10.70	
25 2 1966	1.09	13.36	
28 2 1967	1.13	14.29	
14 1 1968	1.11	13.82	
18 1 1969	1.15	14.84	

32007

BRAMPTON BRANCH AT ST ANDREWS MILL

GRID REF SP747617 AREA 233. SQ. KM
 PERIOD OF RECORD 10 5 1940 TO 6 10 1969

WNRA THRESHOLD 10.08 GRADE C
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
17 11 1940		14.59	
22 11 1940		27.09	
22 1 1941		30.23	1 4
25 1 1941		30.87	1 4
28 1 1941		17.56	
7 2 1941		10.64	
8 3 1941		31.51	1 4
26 3 1941		13.43	
1 4 1941		10.10	
11 6 1941		10.10	
24 1 1942		24.68	
4 2 1942		21.72	
10 2 1942		12.30	
4 3 1942		12.86	
12 1 1943		11.19	
1 2 1943		22.90	
4 4 1944		3.47	
31 1 1945		25.28	2
28 12 1945		14.01	
11 1 1946		11.19	
9 2 1946		12.86	1
15 11 1946		19.40	1
20 11 1946		15.17	1
24 11 1946		12.30	1
27 11 1946		19.40	
11 1 1947		12.30	
11 3 1947		14.59	
18 3 1947		24.80	8 2
21 3 1947		15.76	
24 3 1947		10.64	
11 1 1948		6.00	
14 12 1948		10.10	2
6 2 1950		12.86	1
10 2 1950		14.59	1
13 2 1950		18.17	1
21 11 1950		16.72	
5 1 1951		14.24	2
11 2 1951		12.30	1
17 2 1951		13.32	
14 3 1951		11.19	
18 3 1951		12.30	1
9 4 1951		22.31	
13 4 1951		12.30	
5 5 1951		21.37	
25 11 1951		17.56	1
9 -3 1952		15.88	2
17 12 1952		10.64	
19 12 1952		14.01	

DATE	LEVEL	DISCHARGE	NOTE
11 2 1953		14.01	
7 3 1954		13.33	4
POSSIBLE TRUNCATION, RIVER AUTHORITY ESTIMATE			
26 11 1954		16.96	1
30 11 1954		11.19	1
9 12 1954		19.98	1
13 12 1954		14.01	1
16 1 1955		10.64	1
22 1 1955		11.19	
26 3 1955		21.26	2
16 5 1955		16.36	
26 1 1956		10.21	2
28 12 1956		10.21	2
1 1 1957		11.08	2
29 1 1958		12.19	2
24 2 1958		10.93	2
2 7 1958		17.56	2
7 1 1959		26.49	2
18 1 1959		13.43	
20 1 1959		16.24	
22 1 1959		14.35	
16 4 1959		10.10	1
25 1 1960		12.30	2
30 10 1960		12.30	2
1 11 1960		11.92	2
4 12 1960		18.17	1
21 12 1960		17.93	2
30 12 1961		8.96	
6 3 1963		9.18	2
24 3 1964		11.95	
21 3 1965		5.67	
9 12 1965		12.29	
19 12 1965		14.54	
23 12 1965		11.27	
10 12 1966		16.00	
21 2 1967		11.27	
27 2 1967		10.94	
15 5 1967		22.46	
14 1 1968		16.35	
11 7 1968		21.25	
2 11 1968		19.97	
16 1 1969		10.29	
11 2 1969		11.44	
24 2 1969		15.65	
13 3 1969		20.07	2

32007

BRAMPTON BRANCH AT ST ANDREWS MILL

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
6 5 1969		20.46		31 5 1969		13.64	

32008

WHILTON BRANCH AT DODFORD

GRID REF	SP627607	AREA	107. SQ. KM	WNRA	THRESHOLD	2.80	GRADE	D
PERIOD OF RECORD	7 12 1944	TO	6 10 1969					
SIGNIFICANT GAPS	3 2 1963	TO	9 4 1963	24 3 1964	TO	31 3 1964		

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
28 12 1945	1.12	3.66		8 11 1954	1.06	3.45	2
15 11 1946	1.03	3.32		10 11 1954	1.17	3.86	2
17 11 1946	0.92	2.91		12 11 1954	1.21	4.02	2
20 11 1946	1.08	3.53		25 11 1954	1.21	4.02	2
24 11 1946	1.16	3.83		26 11 1954	1.46	12.47	2
27 11 1946	1.17	3.88	2	27 11 1954	1.35	6.50	2
11 1 1947	1.20	3.98	2	29 11 1954	1.24	4.18	2
11 3 1947	1.06	3.44		9 12 1954	1.51	15.80	2
13 3 1947	1.61	25.58	2	13 12 1954	1.21	4.05	2
16 3 1947	1.64	29.56	2	16 1 1955	1.17	3.88	
21 3 1947	1.07	3.50	2	21 1 1955	1.05	3.40	
29 3 1947	0.91	2.86		26 3 1955	1.47	13.08	
13 9 1948	1.08	3.53		6 5 1955	1.06	3.44	
18 10 1948	1.06	3.44		18 5 1955	1.42	10.09	
13 12 1948	0.95	3.00		31 1 1956	0.98	3.14	2
30 12 1948	1.18	3.92	2	28 12 1956	1.36	6.96	
1 1 1949	1.11	3.64	2	1 1 1957	1.28	4.47	2
4 1 1949	0.94	2.98		12 2 1957	1.08	3.51	
26 10 1949	0.97	3.09		26 9 1957	1.38	7.72	2
3 2 1950	1.19	3.97		4 11 1957	1.37	7.33	4
6 2 1950	1.21	4.05		24 12 1957	1.09	3.57	
10 2 1950	1.29	4.80	2	1 1 1958	1.02	3.29	
13 2 1950	1.36	7.09	2	5 1 1958	1.07	3.47	
20 2 1950	1.05	3.39	2	6 1 1958	0.97	3.08	
21 5 1950	1.01	3.25	2	29 1 1958	1.41	9.45	2
21 11 1950	1.43	10.43		9 2 1958	1.10	3.59	
6 1 1951	1.31	5.45	2	23 2 1958	0.98	3.13	
8 1 1951	1.19	3.96	2	24 2 1958	1.38	7.85	
11 1 1951	1.06	3.45	2	27 6 1958	1.35	6.61	
11 2 1951	1.13	3.70		2 7 1958	1.41	9.29	2
17 2 1951	1.28	4.55	2	4 10 1958	0.97	3.09	
14 3 1951	1.11	3.64	2	2 11 1958	1.28	4.38	
18 3 1951	1.29	4.72	2	10 12 1958	1.05	3.39	2
21 3 1951	1.24	4.18	2	15 12 1958	0.95	3.02	2
23 3 1951	1.20	4.00	2	19 12 1958	0.91	2.87	2
7 4 1951	1.15	3.81	2	6 1 1959	1.62	26.72	2
9 4 1951	1.47	12.87	2	18 1 1959	1.45	11.32	2
13 4 1951	1.32	5.75		21 1 1959	1.17	3.86	
27 5 1951	0.94	2.98		22 1 1959	1.40	8.84	
6 11 1951	1.17	3.87		8 3 1959	1.44	10.96	2
8 11 1951	1.06	3.44	2	16 4 1959	1.37	7.59	2
18 11 1951	0.99	3.15		24 1 1960	1.37	7.33	
25 11 1951	1.33	6.06	2	28 1 1960	1.17	3.88	2
29 12 1951	1.24	4.15	2	30 1 1960	1.10	3.58	2
9 3 1952	1.28	4.38		16 9 1960	1.18	3.92	2
5 5 1952	1.03	3.33		23 9 1960	1.31	5.35	
17 12 1952	1.08	3.53		21 10 1960	1.42	9.93	
19 12 1952	1.23	4.13		27 10 1960	1.45	11.50	
10 2 1953	1.01	3.25	2	30 10 1960	1.47	12.67	
10 2 1954	1.22	4.09	2	1 11 1960	1.45	11.69	
7 3 1954	1.13	3.71	2	17 11 1960	1.43	10.26	
13 6 1954	1.40	8.84		26 11 1960	1.16	3.82	2
21 8 1954	1.17	3.89		4 12 1960	1.48	13.50	2
6 11 1954	1.10	3.58	2	21 12 1960	1.50	15.31	
				10 1 1961	1.02	3.28	2
				28 2 1961	1.21	4.04	2
				30 12 1961	1.21	4.02	2

32008

WHILTON BRANCH AT DODFORD

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
6 1 1962	1.12	3.69	2	28 5 1967	1.12	6.19	
11 1 1962	1.23	4.12	2				
19 11 1963	1.43	10.43		23 12 1967	0.62	2.96	
19 3 1964	1.05	3.39		3 1 1968	0.61	2.93	
9 9 1965	1.14	3.75	4	5 1 1968	0.86	3.99	
26 9 1965	1.43	10.43		14 1 1968	1.24	9.48	
29 11 1965	1.30	4.98		11 7 1968	1.40	15.43	
5 12 1965	1.13	3.72		2 9 1968	0.76	3.73	
9 12 1965	1.47	12.67		8 10 1968	0.61	2.88	
19 12 1965	1.50	14.84		31 10 1968	0.88	4.02	
23 12 1965	1.48	13.29		2 11 1968	1.33	12.47	
1 1 1966	0.92	2.92		26 11 1968	0.91	4.11	
20 2 1966	1.11	3.64		17 12 1968	0.61	2.91	
22 2 1966	0.96	3.03		22 12 1968	1.04	4.51	
25 2 1966	1.11	3.65		25 12 1968	0.64	3.11	
18 4 1966	0.97	3.08		13 1 1969	1.06	4.97	
2 12 1966	1.03	4.41		15 1 1969	1.05	4.68	
10 12 1966	1.31	11.66		17 1 1969	1.19	7.95	
31 12 1966	0.75	3.69		20 1 1969	0.73	3.64	
20 2 1967	1.13	6.40		22 1 1969	0.98	4.27	
27 2 1967	1.14	6.61		11 2 1969	1.17	7.30	
9 3 1967	1.06	4.91		23 2 1969	1.15	6.84	
13 5 1967	1.21	8.38		13 3 1969	1.32	12.12	
15 5 1967	1.28	10.79		18 3 1969	0.83	3.91	
				6 5 1969	1.24	9.29	
				30 5 1969	1.05	4.68	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
1962-1963 1963-1964

32010

NENE AT WANSFORD

GRID REF	TLO81996	AREA	1528. SQ. KM	WNRA	THRESHOLD	39.00	GRADE A1
PERIOD OF RECORD	23	5 1939 TO	7 10 1969				CUMECs
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
20 10 1939	2.01	99.48	2	31 1 1948	0.67	28.68	2
27 11 1939	1.42	62.07		17 12 1948	1.03	43.84	2
9 12 1939	1.43	62.38		3 1 1949	1.14	48.65	2
9 2 1940	2.62	180.61	2	13 2 1950	1.43	62.68	
23 2 1940	2.05	103.55	2	24 11 1950	1.11	47.47	
20 3 1940	1.51	66.38		8 1 1951	1.63	71.51	2
24 11 1940	1.59	69.96		20 2 1951	1.44	62.83	2
28 1 1941	1.82	79.99		17 3 1951	1.16	49.71	
11 2 1941	1.13	48.13		25 3 1951	1.22	52.11	2
10 3 1941	1.92	89.09		12 4 1951	1.59	70.09	2
26 3 1941	1.05	44.74	2	8 5 1951	0.96	41.16	
4 4 1941	0.96	41.03		28 11 1951	1.00	42.81	
27 1 1942	1.49	65.45	2	1 1 1952	1.15	49.18	2
7 2 1942	1.49	65.45		13 3 1952	1.26	54.15	8 2
6 3 1942	1.06	45.52		9 4 1952	0.92	39.27	2
3 2 1943	1.71	75.28	2	23 12 1952	1.24	52.98	2
4 4 1944	0.48	21.45		14 2 1953	1.25	53.86	2
5 4 1944		14.32		20 2 1954		47.83	
4 2 1945	1.35	58.30	2	CLOCK FAULT-R.A. ESTIMATE			
14 2 1945	1.07	45.78	2	13 11 1954	1.21	51.70	2
31 12 1945	0.90	38.61	2	29 11 1954	1.83	80.57	1
19 11 1946	1.31	56.66	2	11 12 1954	1.68	73.72	2
1 12 1946	1.49	65.45	2	11 1 1955	0.96	41.29	
12 12 1946	1.08	46.17	2	18 1 1955	1.02	43.45	
14 1 1947	1.39	60.70	2	24 1 1955	1.21	51.56	
18 3 1947	3.04	255.00	2	29 3 1955	1.62	71.38	
ESTIMATED BY SLOPE-AREA CALCULATION BY R.A.				18 5 1955	0.93	39.90	2
1 4 1947	1.19	50.90		31 1 1956	1.13	48.39	

32010

NENE AT WANSFORD

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
31 12 1956	1.09	46.43	8 2	19 11 1963	0.92	39.39	
14 2 1957	0.92	39.52	2	17 3 1964	1.44	62.83	2 8
5 11 1957	1.07	45.78		25 3 1964	1.09	46.43	2 8
14 12 1957	1.01	43.07		22 3 1965	0.83	34.74	6
25 12 1957	0.97	41.54	2	10 12 1965	1.12	46.86	
7 1 1958	1.06	45.39		22 12 1965	1.31	56.90	
1 2 1958	1.26	54.29	2	23 2 1966	1.34	58.96	
12 2 1958	1.16	49.71	2	20 4 1966	1.19	49.76	
28 2 1958	1.55	68.29	2	15 10 1966	0.96	40.15	6
31 3 1958	0.96	41.29		14 12 1966	1.37	61.26	
27 6 1958	1.22	52.40		21 2 1967	1.06	44.25	
6 7 1958	1.45	63.29	2	28 2 1967	1.14	47.78	
4 11 1958	0.91	39.02	2	10 3 1967	1.12	46.72	
20 12 1958	0.93	40.02	2	11 4 1967	1.04	43.47	
9 1 1959	2.00	98.14		18 5 1967	1.73	84.94	
23 1 1959	1.91	88.78	2	24 12 1967		44.00	2 8
10 3 1959	1.12	47.73	2	17 1 1968	1.20	50.43	
2 2 1960	1.43	62.53	2	12 7 1968	1.41	63.81	
24 10 1960	1.12	48.00		9 8 1968	1.02	42.57	
3 11 1960	1.70	74.63	2	2 9 1968	1.05	43.99	
20 11 1960	1.18	50.50		17 9 1968	1.27	54.29	
29 11 1960	1.21	51.83		9 10 1968	1.04	43.60	
7 12 1960	1.36	58.90		6 11 1968	1.41	64.03	
23 12 1960	1.51	66.38	2	28 11 1968	0.97	40.53	6
12 1 1961	0.96	41.03	2	22 12 1968	1.09	45.42	
31 12 1961	1.07	45.91	2	17 1 1969	1.43	65.32	
9 1 1962	0.99	42.18	2	12 2 1969	1.17	48.83	
12 1 1962	1.09	46.43	2	26 2 1969	1.48	69.07	
9 3 1963	1.12	47.86		16 3 1969	1.67	80.92	
30 3 1963	1.24	53.12		7 5 1969	1.30	56.50	
				1 6 1969	0.95	39.52	

32801

FLORE EXPERIMENTAL CATCHMENT

GRID REF	SP660610	AREA	7.0 SQ.KM	RRL	THRESHOLD	GRADE	A1
PERIOD OF RECORD	17 8 1964 TO	30 9 1969			0.47 CUMECs		
SIGNIFICANT GAPS	25 3 1965 TO	13 4 1965	5 12 1967 TO	10 4 1968	13 7 1968 TO	23 7 1968	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 9 1965		0.64		20 2 1967		1.24	
29 11 1965		0.76		27 2 1967		0.89	
2 12 1965		0.52		9 3 1967		0.69	
5 12 1965		0.74	2	15 5 1967		1.38	
18 12 1965		1.24	2	10 7 1968		2.86	
23 12 1965		1.34	2	1 11 1968		3.03	
21 2 1966		0.62	2	21 12 1968		0.79	
22 2 1966		0.74	2	25 12 1968		0.48	
25 2 1966		1.00	2	13 1 1969		0.69	
18 4 1966		0.50		15 1 1969		1.18	
19 4 1966		0.52	2	17 1 1969		0.79	
4 10 1966		0.52		22 1 1969		0.79	
13 10 1966		1.59	2	11 2 1969		1.12	
PIMPLE ON PEAK IGNORED				23 2 1969		0.62	
14 10 1966		0.81		12 3 1969		2.19	
22 10 1966		0.50		18 3 1969		0.54	
2 12 1966		1.18		6 5 1969		1.24	
10 12 1966		2.54		30 5 1969		4.23	
31 12 1966		0.69		31 5 1969		1.00	

33002 GREAT OUSE AT BEDFORD

GRID REF TL055495 AREA 1460. SQ.KM
 PERIOD OF RECORD 1 10 1959 TO 30 9 1969

DATE	LEVEL	DISCHARGE	NOTE
27 1 1960	0.47	59.25	
2 11 1960	0.78	127.00	
TWO GATES OPEN			
13 1 1962	0.54	72.74	
8 3 1963	0.50	65.14	
21 11 1963	0.57	80.87	

GORA ANNUAL MAXIMA GRADE B

DATE	LEVEL	DISCHARGE	NOTE
23 3 1965	0.32	34.00	
2 GATES OPEN			
22 2 1966	0.56	77.41	
17 10 1966	0.56	78.10	
13 7 1968	0.79	139.70	
15 3 1969	0.73	120.82	

33005 GREAT OUSE AT THORNBOROUGH

GRID REF SP736353 AREA 389. SQ.KM
 PERIOD OF RECORD 1 10 1950 TO 30 9 1969

DATE	LEVEL	DISCHARGE	NOTE
5 1 1951	71.65	21.60	
D/S 234-10 ALL GATES OPEN			
9 3 1952	71.66	28.40	
D/S 234-3 2 GATES OPEN			
19 12 1952	71.66	19.50	
D/S 233.68 2 GATES 2FT, EEL TRAP 2FT			
13 6 1954	71.64	17.30	
D/S 234-11 2 GATES 4FT, EEL TRAP 3FT			
16 1 1955	71.94	22.80	
D/S 234-6 2 GATES 3FT			
23 1 1956	71.66	23.30	
D/S 231-10.5 2 GATES 2FT			
8 2 1957	71.05	20.70	
D/S 233-9 2 GATES 2FT, EEL TRAP 1FT 6IN			
29 1 1958	71.95	25.20	
D/S 234.38 2 GATES 2FT			
2 11 1958	72.09	25.90	
D/S 234.53 2 GATES 3FT			
26 2 1960	71.85	13.80	

GORA ANNUAL MAXIMA GRADE C

DATE	LEVEL	DISCHARGE	NOTE
D/S 233.17 2 GATES 1FT, EEL TRAP 1FT 6IN			
1 11 1960	71.83	27.10	
D/S 234.90 2 GATES 5FT 6IN, EEL TRAP 2FT			
10 1 1962	71.96	17.60	
D/S 233.82 2 GATES 1FT 6IN			
10 3 1963	71.75	20.70	
D/S LT 232.6 2 GATES 2FT 6IN			
15 3 1964	71.94	23.60	
D/S 234.36 2 GATES 3FT			
27 9 1965	71.78	10.10	
D/S 233.65 2 GATES 9IN, EEL TRAP 1FT			
25 2 1966	72.05	22.70	
D/S 234.22 2 GATES 2FT, EEL TRAP 1FT			
14 10 1966	72.07	26.60	
D/S 234.72 2 GATES 2FT, EEL TRAP 1FT 3IN			
11 7 1968	72.26	27.70	
D/S 236.25 2 GATES 3FT 6IN, EEL TRAP 6.5IN			
22 1 1969	71.90	22.00	
D/S 233.93 2 GATES 2FT 6IN, EEL TRAP 1FT			

33006 WISSEY AT NORTHWOLD

GRID REF TL771965 AREA 275. SQ.KM
 PERIOD OF RECORD 13 2 1956 TO 3 10 1969

SIGNIFICANT GAPS
 7 12 1961 TO 14 12 1961

GORA THRESHOLD 3.50 GRADE A2
 CUMEDS

DATE	LEVEL	DISCHARGE	NOTE
29 2 1956	36.48	4.93	4
13 2 1957	36.62	6.47	
18 3 1957	36.39	4.05	
14 12 1957	36.45	4.64	
7 1 1958	36.43	4.45	1
27 1 1958	36.40	4.08	1
10 2 1958	36.34	3.54	
2 3 1958	36.87	9.69	
5 7 1958	36.50	5.16	
16 12 1958	36.47	4.84	
9 1 1959	36.75	8.14	
20 1 1959	36.85	9.41	
8 3 1959	36.35	3.57	
1 2 1960	36.80	8.73	
3 11 1960	36.74	7.91	
6 12 1960	36.81	8.85	
22 12 1960	36.69	7.35	
8 1 1961	36.72	7.69	
24 1 1961	36.64	6.69	
1 3 1961	36.42	4.30	
2 4 1961	36.35	3.63	
11 11 1961	36.38	3.93	

DATE	LEVEL	DISCHARGE	NOTE
2 12 1961	36.42	4.36	
31 12 1961	36.34	3.54	
12 1 1962	36.54	5.63	
22 1 1962	36.45	4.61	
2 2 1962	36.43	4.45	
16 2 1962	36.40	4.08	
5 4 1962	36.38	3.87	
21 12 1962	36.34	3.51	1
14 3 1963	36.43	4.42	
31 3 1963	36.46	4.74	
16 4 1963	36.34	3.54	
22 11 1963	36.35	3.66	
16 3 1964	36.54	5.60	
25 3 1964	36.40	4.08	
19 4 1964	36.36	3.75	
22 3 1965	36.42	4.36	
2 10 1965	36.37	3.81	
30 11 1965	36.42	4.36	
11 12 1965	36.92	10.40	
21 12 1965	36.78	8.45	
2 1 1966	36.54	5.63	
10 2 1966	36.75	8.14	
22 2 1966	36.81	8.93	
19 4 1966	36.37	3.84	

33006

WISSEY AT NORTHWOLD

DATE	LEVEL	DISCHARGE	NOTE
24 11 1966	36.52	5.36	
11 12 1966	36.52	5.40	
1 1 1967	36.50	5.16	
29 1 1967	36.46	4.77	
21 2 1967	36.42	4.30	
28 2 1967	36.43	4.45	
26 12 1967	36.34	3.54	
7 1 1968	36.44	4.55	
16 1 1968	36.51	5.30	
10 4 1968	36.41	4.23	
19 9 1968	36.74	6.60	

WEIR DROWNED DOWNSTREAM RECORDER 120.20

DATE	LEVEL	DISCHARGE	NOTE
11 10 1968	36.40	4.14	
4 11 1968	36.35	3.60	
28 11 1968	36.39	3.99	
23 12 1968	36.57	5.98	
22 1 1969	36.54	5.60	
14 2 1969	36.50	5.13	
25 2 1969	36.88	9.82	
15 3 1969	36.74	7.95	
1 4 1969	36.46	4.71	1
16 4 1969	36.42	4.30	
6 5 1969	36.45	4.58	
19 5 1969	36.67	7.05	
4 6 1969	36.56	5.77	
24 6 1969	36.34	3.51	

33009

GREAT OUSE AT HARROLD MILL

GRID REF SP951565 AREA 1320. SQ. KM
 PERIOD OF RECORD 29 8 1951 TO 2 10 1969

GORA THRESHOLD 44.50 GRADE A2
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE
20 11 1951	0.95	46.77	
26 11 1951	1.25	75.18	
30 12 1951	0.96	47.31	
10 3 1952	1.29	78.59	
12 12 1952	1.02	52.66	
21 12 1952	1.31	80.90	
12 2 1953	1.31	80.03	
21 2 1954	1.07	58.28	
15 6 1954	1.14	65.03	
10 11 1954	1.06	56.47	
27 11 1954	1.55	104.39	
10 12 1954	1.98	152.72	2
18 1 1955	1.29	78.59	
27 3 1955	0.97	48.69	
19 5 1955	0.93	44.61	
30 5 1955	0.97	48.69	
25 1 1956	0.97	48.42	
1 2 1956	1.28	77.74	
18 12 1956	1.02	52.95	
30 12 1956	1.14	64.76	
13 2 1957	1.28	77.74	
6 11 1957	1.73	63.19	
15 12 1957	1.84	73.18	
25 12 1957	1.54	44.58	
7 1 1958	1.63	52.62	
30 1 1958	1.95	82.90	
26 2 1958	1.95	82.90	
2 7 1958	1.60	49.77	
4 11 1958	1.92	80.00	
6 1 1959	2.43	134.61	
21 1 1959	2.54	147.16	
6 3 1959	1.65	54.95	
26 1 1960	1.89	77.98	
27 2 1960	1.66	55.54	
23 10 1960	1.67	57.03	
28 10 1960	1.87	75.71	
2 11 1960	2.52	145.34	
19 11 1960	1.87	75.43	

DATE	LEVEL	DISCHARGE	NOTE
27 11 1960	1.89	77.70	
5 12 1960	2.31	120.80	
21 12 1960	2.30	119.45	
12 1 1961	1.68	57.64	
1 3 1961	1.76	66.06	
12 1 1962	1.98	85.85	
23 1 1962	1.75	64.73	
7 3 1963	1.97	78.10	
31 3 1963	1.71	52.31	
20 11 1963	42.35	95.35	
21 3 1964	42.16	73.45	
28 9 1965	41.76	36.98	
6 12 1965	41.88	46.67	
10 12 1965	42.22	80.24	
19 12 1965	42.10	67.28	
24 12 1965	42.23	81.28	
1 1 1966	42.01	58.40	
11 2 1966	41.92	50.16	
21 2 1966	42.23	81.63	
27 2 1966	42.19	76.46	
20 4 1966	42.10	67.28	
16 10 1966	42.30	89.16	
11 12 1966	42.23	81.28	
22 2 1967	41.91	49.07	6
SPIKE ON PEAK IGNORED			
1 3 1967	42.05	61.99	
11 3 1967	42.11	67.91	
16 5 1967	42.12	69.20	
15 1 1968	42.57	123.82	
12 7 1968	42.95	183.06	
19 9 1968	42.22	80.58	
3 11 1968	42.53	118.40	
23 12 1968	42.13	70.82	
14 1 1969	42.05	62.30	
19 1 1969	42.11	68.55	
24 1 1969	42.06	63.22	
13 2 1969	42.14	71.14	
24 2 1969	42.23	80.93	
14 3 1969	42.60	128.92	
20 3 1969	41.87	45.10	

33011

LITTLE OUSE AT EUSTON COUNTY BRIDGE

GRID REF TL892801 AREA 129. SQ.KM
PERIOD OF RECORD 2 10 1960 TO 7 10 1969

GORA THRESHOLD 0.98 CUMECs GRADE A2

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 11 1960	14.20	4.37		20 12 1965	13.88	2.08	
19 11 1960	13.85	1.89		22 2 1966	13.77	1.31	
27 11 1960	13.94	2.64		14 12 1966	13.81	1.58	
6 12 1960	14.00	3.14		26 12 1966	13.72	1.02	
21 12 1960	14.08	3.78		2 1 1967	13.76	1.27	
31 12 1960	13.86	1.93		30 1 1967	13.72	1.05	
11 1 1961	13.97	2.85		22 2 1967	13.73	1.07	
23 1 1961	13.98	2.94		1 3 1967	13.72	1.02	
6 2 1961	13.85	1.86		8 11 1967	13.72	1.02	
28 2 1961	13.91	2.35		31 12 1967	13.73	1.10	
6 4 1961	13.71	0.99		7 1 1968	13.78	1.41	
12 11 1961	13.73	1.08		16 1 1968	13.84	1.80	
2 12 1961	13.74	1.14		11 2 1968	13.85	1.84	
1 1 1962	13.74	1.16		17 9 1968	14.79	6.41	
8 1 1962	13.93	2.50		27 9 1968	13.78	1.39	
22 1 1962	13.85	1.89		9 10 1968	13.77	1.29	
1 2 1962	13.78	1.35		2 11 1968	13.83	1.71	
16 2 1962	13.73	1.10		22 12 1968	13.98	2.99	2
5 4 1962	13.73	1.10		4 1 1969	13.86	1.98	
15 3 1963	13.70	1.43		23 1 1969	13.92	2.40	
16 3 1964	13.83	1.71		12 2 1969	13.92	2.40	
20 4 1964	13.73	1.08		23 2 1969	14.10	3.88	
22 3 1965	13.66	0.74		14 3 1969	14.03	3.46	
12 12 1965	13.86	1.96		31 3 1969	13.73	1.10	
				6 5 1969	14.03	3.49	
				18 5 1969	13.95	2.74	

33012

KYM AT HEAGRE FARM

GRID REF TL155631 AREA 138. SQ.KM
PERIOD OF RECORD 14 9 1960 TO 7 10 1969

GORA THRESHOLD 6.80 CUMECs GRADE B

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
21 10 1960	18.05	7.76		20 2 1966	18.58	18.84	
27 10 1960	18.24	11.62		25 2 1966	18.13	9.31	
1 11 1960	18.96	29.07		18 4 1966	18.09	8.55	
18 11 1960	18.23	11.39		19 10 1966	18.02	7.13	1
22 11 1960	18.41	15.15		10 12 1966	18.66	20.80	
26 11 1960	18.22	11.22		20 2 1967	18.13	9.31	
4 12 1960	18.76	23.23		27 2 1967	18.20	10.94	
20 12 1960	19.16	35.78		15 5 1967	18.10	8.61	
10 1 1961	18.12	8.99		14 1 1968	18.55	18.27	
7 1 1962	18.01	6.85		11 7 1968	18.82	24.89	
10 1 1962	18.05	7.59		15 7 1968	18.57	18.77	
30 3 1963	18.37	14.19		9 8 1968	18.66	20.88	
29 11 1963	18.15	9.71		2 9 1968	18.24	11.68	
15 3 1964	18.81	24.73		16 9 1968	18.84	25.37	
19 3 1964	18.13	9.38		8 10 1968	18.15	9.71	
24 3 1964	18.18	10.38		2 11 1968	18.40	14.83	
21 4 1964	18.01	6.85		21 12 1968	18.20	10.87	
21 3 1965	18.86	4.42		13 1 1969	18.08	8.24	
5 12 1965	18.04	7.41		16 1 1969	18.79	24.17	
9 12 1965	18.47	16.48		22 1 1969	18.28	12.52	
19 12 1965	18.33	13.50		11 2 1969	18.32	13.31	
23 12 1965	18.18	10.31		24 2 1969	18.37	14.19	
				12 3 1969	19.09	33.29	
				6 5 1969	18.44	15.81	
				17 5 1969	18.01	6.85	

33013

SAPISTON AT RECTORY BRIDGE EUSTON

GRID REF TL896791 AREA 206. SQ.KM
 PERIOD OF RECORD 11 4 1960 TO 7 10 1969

GORA THRESHOLD 2.01 GRADE A2
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
1 11 1960	16.17	7.03	
27 11 1960	16.01	4.53	
5 12 1960	16.06	5.42	
21 12 1960	16.12	6.22	
11 1 1961	15.98	4.08	
22 1 1961	15.96	3.78	
1 3 1961	15.98	4.03	
7 1 1962	16.06	5.34	4
23 1 1962	15.96	3.73	
2 2 1962	15.84	2.02	
12 3 1963	15.92	3.06	
3 5 1963	15.35	2.10	
16 3 1964	16.02	4.71	
20 4 1964	15.88	2.44	
23 3 1965	15.81	1.56	
7 12 1965	15.89	2.61	
11 12 1965	15.99	4.28	
19 12 1965	15.98	3.98	
25 12 1965	15.85	2.06	
2 1 1966	15.85	2.10	
22 2 1966	15.87	2.31	
11 12 1966	15.97	3.83	

DATE	LEVEL	DISCHARGE	NOTE
25 12 1966	15.91	3.01	
1 1 1967	15.94	3.43	
29 1 1967	15.85	2.06	
28 2 1967	15.86	2.23	
7 11 1967	15.91	3.01	
27 12 1967	15.87	2.35	6
6 1 1968	15.90	2.83	
15 1 1968	15.93	3.53	6
10 2 1968	15.95	3.58	
17 9 1968	16.38	15.60	2
WEIR DROWNED AND OUTFLANKED			
3 11 1968	15.90	2.83	
22 12 1968	16.02	4.65	6
17 1 1969	15.95	3.53	
23 1 1969	15.98	4.13	6
SPIKE ON HYDROGRAPH IGNORED			
29 1 1969	15.95	3.63	6
SPIKE ON HYDROGRAPH IGNORED			
12 2 1969	15.98	4.13	6
SPIKE ON HYDROGRAPH IGNORED			
22 2 1969	16.16	7.39	
14 3 1969	16.13	6.71	6
SPIKE ON HYDROGRAPH IGNORED			
7 5 1969	16.08	5.82	6
SPIKE ON HYDROGRAPH IGNORED			
18 5 1969	15.87	2.35	

33014

LARK AT TEMPLE WEIR

GRID REF TL758730 AREA 272. SQ.KM
 PERIOD OF RECORD 1 10 1960 TO 7 10 1969
 SIGNIFICANT GAPS
 1 10 1960 TO 21 10 1960

GORA THRESHOLD 4.40 GRADE A2
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
30 10 1960	10.11	9.06	
18 11 1960	9.83	5.34	
22 11 1960	9.81	5.17	
26 11 1960	9.98	7.25	
4 12 1960	10.10	8.92	2
21 12 1960	10.22	10.81	
6 1 1961	9.85	5.63	1
10 1 1961	9.86	5.66	
21 1 1961	9.76	4.56	
29 1 1961	9.80	3.06	
28 2 1961	9.97	7.12	6
SPIKE ON PEAK IGNORED			
6 1 1962	9.95	6.80	
22 1 1962	9.89	6.11	
6 3 1963	9.92	6.41	6
SPIKE ON PEAK IGNORED			
10 3 1963	9.87	5.81	
19 11 1963	9.82	5.20	6
SPIKE ON PEAK IGNORED			
16 3 1964	9.99	7.41	
21 3 1965	9.66	3.54	6
SPIKE ON PEAK IGNORED			

DATE	LEVEL	DISCHARGE	NOTE
5 12 1965	9.80	5.03	
10 12 1965	9.97	7.04	
18 12 1965	9.87	5.88	
10 12 1966	9.85	5.63	
31 12 1966	9.89	6.07	
6 11 1967	9.89	6.11	
6 1 1968	9.81	5.13	
14 1 1968	9.89	6.15	
17 9 1968	10.74	21.90	
WEIR OUTFLANKED, 60 CUSECS ADDED			
9 10 1968	9.79	4.86	
2 11 1968	9.76	4.63	6
SPIKE ON PEAK IGNORED			
18 12 1968	9.95	6.80	
21 12 1968	9.93	6.53	
23 1 1969	10.11	9.15	2
INSTRUMENT FAULT - PEAK ESTIMATED			
28 1 1969	9.87	5.81	
12 2 1969	9.82	5.31	
23 2 1969	10.13	9.38	
13 3 1969	10.25	11.21	
19 3 1969	10.04	8.13	
6 5 1969	10.09	8.83	
18 5 1969	9.75	4.49	

33015

OUZEL AT WILLEN WEIR

GRID REF SP883409 AREA 277. SQ.KM
 PERIOD OF RECORD 22 11 1961 TO 1 10 1969

GORA THRESHOLD 9.60 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 12 1961	1.15	15.56		1 12 1966	57.65	10.34	
11 1 1962	1.11	14.40	2	10 12 1966	57.90	16.12	
22 1 1962	1.09	14.03		31 12 1966	57.69	11.19	
6 5 1963	57.75	12.58		20 2 1967	57.72	11.74	
12 3 1963	57.68	10.86		27 2 1967	57.85	14.79	
30 3 1963	57.65	10.34		9 3 1967	57.79	13.52	
19 11 1963	57.90	16.12		15 5 1967	57.72	11.88	
29 11 1963	57.74	12.22		29 10 1967	57.65	10.21	
15 3 1964	57.90	16.12		3 11 1967	57.82	14.03	
24 3 1964	57.79	13.52		19 12 1967	57.64	10.15	
27 9 1965	57.70	11.26		5 1 1968	57.66	10.40	
9 12 1965	57.86	15.10		14 1 1968	58.12	22.56	
17 12 1965	57.72	11.67		11 7 1968	58.17	23.89	
23 12 1965	57.83	14.49		16 9 1968	58.14	22.94	
1 1 1966	57.75	12.36		8 10 1968	57.72	11.74	
10 2 1966	57.73	11.95		2 11 1968	57.91	16.36	
20 2 1966	57.74	12.22		18 12 1968	57.65	10.21	
25 2 1966	57.83	14.49		22 12 1968	57.85	14.95	
19 4 1966	57.82	14.03		16 1 1969	57.76	12.79	
3 10 1966	57.84	14.72		22 1 1969	57.82	14.03	
15 10 1966	57.84	14.56		11 2 1969	57.78	13.08	
6 11 1966	57.66	10.40		23 2 1969	57.89	15.81	
				13 3 1969	58.11	22.00	
				19 3 1969	57.66	10.53	
				3 8 1969	57.65	10.34	

33017

OUSE AT ST. IVES STAUNCH

GRID REF TL314705 AREA 2470. SQ.KM
 PERIOD OF RECORD 1 2 1949 TO 7 10 1969

GORA THRESHOLD 56.50 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
19 2 1949 TO 4 4 1949			23 5 1949 TO 4 9 1949	26 10 1955 TO 10 7 1961			
26 12 1949	5.38	57.76		4 3 1955	5.36	56.88	
3 2 1950	5.48	61.29		27 3 1955	5.62	68.17	
7 2 1950	5.76	82.74		18 5 1955	5.40	58.41	6
14 2 1950	5.95	105.89		27 5 1955	5.37	57.10	
23 5 1950	6.05	119.41		11 1 1962	5.86	94.28	
22 11 1950	5.83	90.50		25 1 1962	5.35	56.56	
9 1 1951	6.12	133.85		10 3 1963	5.62	68.45	
6 2 1951	5.73	78.59		31 3 1963	5.64	69.88	
12 2 1951	5.73	79.54		23 11 1963	5.61	67.32	
18 2 1951	5.87	94.66		30 11 1963	5.44	59.84	
17 3 1951	5.70	75.81		17 1 1964	5.35	56.56	
25 3 1951	5.76	82.74		16 3 1964	5.96	107.57	
10 4 1951	6.12	133.85		25 3 1964	5.82	88.65	
26 11 1951	5.66	71.62		4 4 1964	5.35	56.56	6
30 12 1951	5.49	61.51		22 4 1964	5.59	65.65	
10 3 1952	5.82	88.65		9 9 1965	5.32	55.36	
9 4 1952	5.49	61.62		6 12 1965	5.47	60.73	
5 5 1952	5.36	56.99		10 12 1965	5.68	74.00	
22 12 1952	5.77	83.71		20 12 1965	5.68	73.70	
7 1 1953	5.41	58.74		24 12 1965	5.71	76.73	
12 2 1953	5.75	81.13		1 1 1966	5.46	60.51	
20 2 1954	5.40	58.19		11 2 1966	5.61	67.32	
14 6 1954	6.03	116.70		21 2 1966	5.76	81.77	
8 11 1954	5.44	60.40		1 3 1966	5.60	66.48	
13 11 1954	5.55	63.75		21 4 1966	5.78	84.04	
1 12 1954	6.00	112.72		4 10 1966	5.49	61.62	
11 12 1954	6.04	118.50		20 10 1966	5.72	77.97	
17 1 1955	5.53	62.96		11 12 1966	5.88	96.99	
23 1 1955	5.51	62.51		1 1 1967	5.36	56.88	

33017 OUSE AT ST. IVES STAUNCH

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
21 2 1967	5.42	59.07		3 11 1968	5.61	67.04	
16 5 1967	5.49	61.73		18 12 1968	5.37	57.10	
6 1 1968	5.37	57.43		23 12 1968	5.57	64.65	
18 1 1968	5.73	78.59		17 1 1969	6.01	114.92	
16 7 1968	6.15	142.11		23 1 1969	5.79	85.04	
10 8 1968	5.50	61.84		12 2 1969	6.08	124.02	
18 9 1968	5.91	100.56		26 2 1969	5.88	96.21	
				14 3 1969	6.01	114.92	
				7 5 1969	5.51	62.18	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1955-1956 1956-1957 1957-1958 1958-1959 1959-1960 1960-1961

33018 TOVE AT CAPPENHAM

GRID REF SP714488 AREA 138. SQ. KM GORA THRESHOLD 8.40 GRADE B
 PERIOD OF RECORD 25 1 1962 TO 2 10 1969 CUMECS
 SIGNIFICANT GAPS 1 12 1967 TO 1 2 1968

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 3 1963	82.00	16.05		6 11 1966	81.77	11.64	
9 3 1963	82.06	17.08		2 12 1966	81.64	8.56	
30 3 1963	81.80	12.58		10 12 1966	82.06	17.08	
18 11 1963	81.83	13.20		20 2 1967	81.74	10.82	
15 3 1964	81.71	10.03		27 2 1967	81.76	11.47	
19 3 1964	81.89	14.07		9 3 1967	81.82	13.06	
24 3 1964	81.88	13.97		14 5 1967	81.77	11.64	
26 9 1965	81.70	9.95		11 7 1968	82.44	24.87	
28 11 1965	81.73	10.66		14 7 1968	81.65	8.63	
5 12 1965	81.65	8.70		31 10 1968	81.83	13.16	
9 12 1965	82.14	18.59		17 12 1968	81.70	9.80	
16 12 1965	81.64	8.42		22 12 1968	81.92	14.60	
18 12 1965	82.07	17.37		13 1 1969	81.79	12.32	
23 12 1965	82.03	16.45		15 1 1969	81.86	13.59	
20 2 1966	81.82	12.96		17 1 1969	81.70	9.95	
25 2 1966	81.90	14.26		11 2 1969	81.90	14.26	
19 4 1966	81.79	12.23		23 2 1969	81.79	12.32	
14 10 1966	82.24	20.65		13 3 1969	82.36	23.19	
				6 5 1969	81.68	9.28	
				30 5 1969	81.77	11.80	
				3 8 1969	82.48	25.83	

33019 THET AT MELFORD BRIDGE

GRID REF TL880830 AREA 316. SQ. KM GORA THRESHOLD 3.80 GRADE A2
 PERIOD OF RECORD 1 10 1960 TO 6 10 1969
 SIGNIFICANT GAPS 1 10 1960 TO 21 10 1960 10 8 1961 TO 17 8 1961 25 1 1962 TO 6 2 1962
 12 3 1962 TO 12 10 1962

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
6 12 1960	11.10	5.65	1	24 11 1966	11.05	4.85	
11 1 1961	10.98	3.93		3 12 1966	11.01	4.29	
15 3 1963	11.09	5.51		11 12 1966	11.17	6.63	
8 7 1963	11.16	6.49		25 12 1966	10.99	4.09	
16 3 1964	11.06	5.02		1 1 1967	11.13	6.06	
25 3 1964	11.01	4.29		2 2 1967	11.03	4.63	
5 4 1964	11.01	4.38		21 2 1967	11.06	5.02	
20 4 1964	10.99	4.05		28 2 1967	11.03	4.59	
22 3 1965	11.00	4.13		7 11 1967	11.06	5.06	
13 12 1965	11.26	8.24	2	1 1 1968	11.00	4.13	
21 12 1965	11.28	8.50		7 1 1968	11.09	5.46	1
2 1 1966	11.07	5.15		16 1 1968	11.18	6.78	
10 2 1966	11.18	6.93		10 2 1968	11.13	6.11	
22 2 1966	11.21	7.37		8 8 1968	11.00	3.80	1
				WEIR DROWNED, D/S LEVEL 36.05FT AOD			
				19 9 1968	11.47	8.00	2
				WEIR DROWNED, D/S LEVEL 36.45 AOD			

33010

THET AT MELFORD BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
9 10 1968	11.08	5.37		13 2 1969	11.16	6.58	
3 11 1968	11.12	5.88		25 2 1969	11.45	11.56	
28 11 1968	11.05	4.93		15 3 1969	11.30	8.82	
23 12 1968	11.23	7.67		1 4 1969	11.03	4.67	
5 1 1969	11.13	6.39		16 4 1969	11.00	4.17	
15 1 1969	11.09	5.46		7 5 1969	11.07	5.24	
29 1 1969	11.20	7.22		19 5 1969	11.23	7.72	
8 2 1969	11.23	7.62		4 6 1969	10.99	4.05	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
1961-1962

33020

ALCONBURY BRANCH AT BRAMPTON

GRID REF	TL208718	AREA	202. SQ.KM	GORA	GRADE C		
PERIOD OF RECORD	7 3 1963 TO		7 10 1969	THRESHOLD	20.00 CUMECS		
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 3 1963	11.04	24.60		14 1 1968	11.01	23.37	
15 3 1964	11.20	30.80		12 7 1968	11.44	42.23	
24 3 1964	10.94	20.91		17 7 1968	11.15	28.89	
21 3 1965	10.45	6.40		9 8 1968	11.27	34.15	
10 12 1965	10.95	21.43		2 9 1968	10.97	22.17	
19 12 1965	11.01	23.37		17 9 1968	11.28	34.42	
23 12 1965	10.96	21.75		9 10 1968	11.08	26.22	
20 2 1966	11.07	25.87		2 11 1968	11.09	26.46	
20 4 1966	11.01	23.48		22 12 1968	10.97	22.17	
10 12 1966	11.07	25.63		16 1 1969	11.23	32.25	
21 2 1967	11.00	23.04		22 1 1969	11.11	27.05	
28 2 1967	11.09	26.58		12 2 1969	11.13	27.90	
15 5 1967	11.11	27.05		24 2 1969	11.21	31.45	
				13 3 1969	11.29	34.84	
				6 5 1969	11.15	29.02	
				31 5 1969	11.04	24.71	

33021

RHEE AT BURNT MILL WEIR

GRID REF	TL413522	AREA	303. SQ.KM	GORA	GRADE C		
PERIOD OF RECORD	1 10 1962 TO		7 10 1969	THRESHOLD	5.10 CUMECS		
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
6 3 1963	9.46	5.22		15 5 1967	9.67	6.29	
16 3 1964	9.92	7.41		15 1 1968	9.68	6.32	
20 3 1964	9.45	5.18		10 8 1968	9.72	6.52	
25 3 1964	9.55	5.69		17 9 1968	10.10	8.17	
21 4 1964	9.54	5.64		8 10 1968	9.45	5.20	
18 6 1964	9.47	5.28		2 11 1968	9.73	6.57	
5 4 1965	9.18	2.40		18 12 1968	9.67	6.30	
18 12 1965	9.51	5.52		22 12 1968	9.63	6.08	
24 12 1965	9.52	5.55		17 1 1969	9.79	6.82	
11 2 1966	9.63	6.11		24 1 1969	9.92	7.40	
21 2 1966	9.44	5.15		28 1 1969	9.58	5.84	
10 10 1966	9.44	5.15		12 2 1969	9.81	6.93	
11 12 1966	9.84	7.07		23 2 1969	9.85	7.11	
				14 3 1969	10.07	8.04	

33023

LEA BROOK AT BECK BRIDGE

GRID REF	TL662733	AREA	102. SQ.KM	GORA	GRADE A1		
PERIOD OF RECORD	8 11 1962 TO		7 10 1969	THRESHOLD	0.78 CUMECS		
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
6 3 1963	4.35	2.05		19 11 1963	4.22	1.26	2
10 3 1963	4.33	1.98		16 3 1964	4.40	2.20	
14 3 1963	4.24	1.43					
1 5 1963	4.21	1.22					

33023 LEA BROOK AT BECK BRIDGE

DATE	LEVEL	DISCHARGE	NOTE
21 3 1965	4.08	0.43	
6 12 1965	4.19	1.07	
10 12 1965	4.27	1.64	
18 12 1965	4.29	1.78	
24 12 1965	4.20	1.18	
11 2 1966	4.17	0.96	
20 2 1966	4.15	0.82	
20 4 1966	4.18	1.03	
10 12 1966	4.19	1.07	
24 12 1966	4.16	0.92	
31 12 1966	4.27	1.69	
28 1 1967	4.18	1.01	
10 4 1967	4.23	1.32	
7 11 1967	4.20	1.11	
26 12 1967	4.17	0.96	
31 12 1967	4.17	0.98	

DATE	LEVEL	DISCHARGE	NOTE
6 1 1968	4.25	1.50	
14 1 1968	4.32	1.93	
10 2 1968	4.15	0.82	
16 9 1968	5.67	4.48	2
WEIR DROWNED AND OUTFLANKED			
27 9 1968	4.14	0.79	
9 10 1968	4.28	1.71	
2 11 1968	4.19	1.07	
27 11 1968	4.18	1.01	
21 12 1968	4.34	2.00	
3 1 1969	4.15	0.84	
14 1 1969	4.22	1.26	
23 1 1969	4.45	2.39	
12 2 1969	4.23	1.35	
23 2 1969	4.48	2.49	
13 3 1969	4.62	2.80	2
6 5 1969	4.39	2.18	
18 5 1969	4.15	0.84	

33024 CAM AT DERNFORD

GRID REF TL466506 AREA 198. SQ.KM
 PERIOD OF RECORD 21 8 1963 TO 6 10 1969

GORA GRADE A2
 THRESHOLD 3.96 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
19 11 1963	15.49	7.02	
DOWNSTREAM LEVEL 49.42 FT			
29 11 1963	15.24	3.96	
DOWNSTREAM LEVEL 48.75 FT			
16 3 1964	15.63	9.98	
NO DOWNSTREAM RECORD, 49.80 ASSUMED			
30 9 1965	15.20	3.51	
DOWNSTREAM LEVEL 48.63 FT			
29 11 1965	15.30	4.83	
DOWNSTREAM LEVEL 48.75 FT			
5 12 1965	15.39	6.03	6
DOWNSTREAM LEVEL 49.05 FT			
10 12 1965	15.45	6.97	
DOWNSTREAM LEVEL 49.15 FT			
17 12 1965	15.33	5.26	
DOWNSTREAM LEVEL 48.80 FT			
23 12 1965	15.36	5.69	
DOWNSTREAM LEVEL 49.15 FT			
1 1 1966	15.26	4.24	
DOWNSTREAM LEVEL 48.74 FT			
11 2 1966	15.41	6.42	
DOWNSTREAM LEVEL 49.50 FT			
20 2 1966	15.36	5.70	
DOWNSTREAM LEVEL 49.20 FT			
26 2 1966	15.49	7.70	
DOWNSTREAM LEVEL 49.40 FT			
20 4 1966	15.30	4.77	
DOWNSTREAM LEVEL 49.15 FT			

DATE	LEVEL	DISCHARGE	NOTE
10 12 1966	15.49	7.71	
DOWNSTREAM LEVEL 49.40 FT			
29 12 1966	15.28	4.64	
21 2 1967	15.27	4.43	6
28 2 1967	15.37	5.76	
DOWNSTREAM LEVEL 49.20 FT			
4 11 1967	15.35	5.66	
25 12 1967	15.30	4.84	
6 1 1968	15.24	4.03	
14 1 1968	15.40	6.39	
10 8 1968	15.28	4.53	
DOWNSTREAM LEVEL 48.75 FT			
17 9 1968	15.71	10.01	
DOWNSTREAM LEVEL 50.10 FT			
9 10 1968	15.28	4.68	
18 12 1968	15.34	8.54	
DOWNSTREAM LEVEL 49.05 FT			
22 12 1968	15.40	6.39	
13 1 1969	15.44	6.95	
18 1 1969	15.30	4.84	
23 1 1969	15.41	6.40	
DOWNSTREAM LEVEL 48.70 FT			
28 1 1969	15.39	6.16	
12 2 1969	15.27	4.51	
21 2 1969	15.47	7.36	9
DOWNSTREAM LEVEL 48.76 FT			
13 3 1969	15.66	10.21	
DOWNSTREAM LEVEL 49.45 FT			
6 5 1969	15.36	5.80	

33029 STRINGSIDE AT WHITE BRIDGE

GRID REF TF716006 AREA 93.5 SQ.KM
 PERIOD OF RECORD 21 7 1965 TO 3 10 1969

GORA GRADE A2
 THRESHOLD 1.70 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
5 12 1965	3.06	2.37	
9 12 1965	3.18	3.49	
17 12 1965	3.10	2.79	
23 12 1965	3.04	2.24	
31 12 1965	3.05	2.29	
8 2 1966	3.13	3.09	

DATE	LEVEL	DISCHARGE	NOTE
20 2 1966	3.21	3.78	
25 2 1966	3.01	1.98	
30 8 1966	3.00	1.88	
22 11 1966	3.03	2.16	
10 12 1966	3.04	2.21	
31 12 1966	2.99	1.81	

33029

STRINGSIDE AT WHITE BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
20 2 1967	2.98	1.72		22 12 1968	3.00	1.86	
27 5 1967	3.10	2.73		16 1 1969	3.08	2.59	
6 11 1967	3.02	2.06		18 1 1969	3.01	1.93	
5 1 1968	3.00	1.91		21 1 1969	3.02	2.08	
16 9 1968	3.25	4.12		22 2 1969	3.08	2.59	
23 9 1968	3.03	2.13		15 3 1969	3.05	2.32	
				6 5 1969	3.02	2.03	
				17 5 1969	3.03	2.26	

33805

BEECHAMWELL BROOK AT BEECHAMWELL

GRID REF	AREA	SQ. KM	GORA	GRADE
TF738036	34.4			A2
PERIOD OF RECORD	1 10 1964 TO	30 9 1969	ANNUAL MAXIMA	

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 5 1965	0.20	0.24		24 1 1968	0.27	0.37	
3 3 1966	0.35	0.54		13 3 1969	0.32	0.48	
31 12 1966	0.29	0.41					

33809

BURY BROOK AT BURY WEIR

GRID REF	AREA	SQ. KM	GORA	GRADE
TL286837	65.3			A2
PERIOD OF RECORD	1 10 1963 TO	7 10 1969	THRESHOLD	3.05 CUMecs
SIGNIFICANT GAPS	1 10 1963 TO	30 10 1963		

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
14 3 1964	0.92	5.75		5 1 1968	0.73	4.02	2
24 3 1964	1.15	8.25		14 1 1968	0.83	4.93	2
21 3 1965	0.46	1.95		11 7 1968	1.31	10.05	
9 12 1965	0.68	3.55		15 7 1968	0.93	5.87	
17 12 1965	0.70	3.76		17 7 1968	1.08	7.47	
19 12 1965	0.72	3.91		9 8 1968	1.76	16.20	2
23 12 1965	0.67	3.48		PEN TRAVEL LIMIT 5.30			
20 2 1966	1.04	6.98	2	16 9 1968	1.16	8.32	2
18 4 1966	0.70	3.76		8 10 1968	0.65	3.30	2
20 4 1966	0.96	6.15		2 11 1968	0.98	6.40	2
23 6 1966	0.72	3.91	2	18 12 1968	0.76	4.23	
30 8 1966	0.93	5.90	2	21 12 1968	0.85	5.04	
1 10 1966	1.10	7.67	2	13 1 1969	0.63	3.18	
3 10 1966	1.06	7.20	2	16 1 1969	1.38	10.96	
10 12 1966	1.15	8.22	2	22 1 1969	0.85	5.13	
24 12 1966	0.64	3.28		12 2 1969	0.72	3.91	1
20 2 1967	0.74	4.04		22 2 1969	0.93	5.84	
28 2 1967	0.66	3.40	2	13 3 1969	1.26	9.50	
15 5 1967	1.18	8.57		6 5 1969	1.04	7.04	
				18 5 1969	1.07	7.30	

33813

MEL AT MELDRETH

GRID REF	AREA	SQ. KM	GORA	GRADE
TL378466	8.60			C
PERIOD OF RECORD	1 10 1964 TO	7 10 1969	THRESHOLD	0.27 CUMecs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
21 3 1965	0.16	0.13		17 3 1968	0.29	0.30	
26 2 1966	0.28	0.28		9 8 1968	0.28	0.29	
21 8 1966	0.28	0.28		15 9 1968	0.34	0.38	
9 12 1966	0.27	0.27		1 11 1968	0.28	0.29	
14 5 1967	0.29	0.31		12 3 1969	0.36	0.42	
				5 5 1969	0.32	0.35	

34001

YARE AT COLNEY

GRID REF TG182082 AREA 232. SQ.KM
 PERIOD OF RECORD 1 1 1958 TO 6 10 1969
 SIGNIFICANT GAPS
 28 10 1963 TO 8 1 1964

ESNRA THRESHOLD 6.50 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 3 1958	0.87	9.67		6 12 1965	0.68	7.96	
3 7 1958	0.62	7.01		10 12 1965	1.16	17.98	
PEN JAMMED ON RISING LIMB, RELEASED AT PEAK				19 12 1965	0.83	11.27	
23 8 1958	0.59	6.66		1 1 1966	0.61	6.63	1
				9 2 1966	0.85	11.86	
8 1 1959	0.94	10.42		21 2 1966	0.82	11.20	
19 1 1959	0.92	10.19					
				23 11 1966	0.64	7.16	1
31 1 1960	0.89	9.90		10 12 1966	0.64	7.16	1
				31 12 1966	0.64	7.22	1
31 10 1960	0.67	7.60					
28 11 1960	0.76	8.49		6 1 1968	0.63	6.97	
5 12 1960	1.00	11.13		15 1 1968	0.74	9.80	8
21 12 1960	0.68	7.64		10 2 1968	0.68	9.60	8
7 1 1961	0.66	7.47		17 9 1968	1.34	21.80	8
22 1 1961	0.64	7.24					
				17 12 1968	0.61	6.63	1
12 11 1961	0.63	7.14		23 12 1968	0.70	8.34	1
7 1 1962	0.62	7.04		4 1 1969	0.67	7.77	
				8 1 1969	0.69	8.27	
12 3 1963	0.53	6.00		14 1 1969	0.62	6.83	1
				29 1 1969	0.67	7.71	
16 3 1964	0.67	7.89		7 2 1969	0.69	8.15	
25 3 1964	0.61	6.50		23 2 1969	0.90	13.08	
				14 3 1969	0.72	8.91	
22 3 1965	0.61	6.63		19 5 1969	0.66	7.60	

34002

TAS AT SHOTESHAM

GRID REF TM226994 AREA 147. SQ.KM
 PERIOD OF RECORD 15 10 1957 TO 6 10 1969

ESNRA THRESHOLD 4.60 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 11 1957	0.63	4.88		15 3 1964	0.72	6.12	2 6
13 12 1957	0.85	8.19					
25 2 1958	0.96	9.91		21 3 1965	0.50	3.37	
28 6 1958	0.79	7.19	1				
2 7 1958	0.73	6.34		5 12 1965	0.74	6.47	
				10 12 1965	1.13	13.02	
7 1 1959	1.17	13.73		18 12 1965	0.81	7.57	
18 1 1959	0.96	10.01		8 2 1966	0.77	6.92	4
21 1 1959	0.62	4.84	6	20 2 1966	0.63	4.96	
28 1 1960	0.63	4.96	6	17 11 1966	0.69	5.74	
31 1 1960	0.99	10.44		22 11 1966	0.74	6.43	
				10 12 1966	0.77	6.92	4
30 10 1960	0.82	7.61		31 12 1966	0.70	5.82	
18 11 1960	0.73	6.25		20 2 1967	0.75	6.61	
25 11 1960	0.64	5.08	6				
27 11 1960	0.87	8.39		5 1 1968	0.72	6.12	
4 12 1960	1.12	12.90		14 1 1968	0.81	7.43	
19 12 1960	0.73	6.25		10 2 1968	0.77	6.92	4
29 12 1960	0.65	5.24		16 9 1968	1.74	61.92	
30 12 1960	0.67	5.53					
4 1 1961	0.64	5.12		22 12 1968	0.81	7.43	
6 1 1961	0.74	6.52		3 1 1969	0.67	5.53	
10 1 1961	0.86	8.34		28 1 1969	0.74	6.38	
21 1 1961	0.77	6.83		22 2 1969	1.02	10.98	
				13 3 1969	0.92	9.18	
11 11 1961	0.66	5.28		18 5 1969	0.76	6.74	
13 5 1963	0.64	5.00					

34003 BURE AT INGWORTH
 GRID REF YG192296 AREA 165. SQ. KM
 PERIOD OF RECORD 8 6 1959 TO 6 10 1969

ESNRA THRESHOLD 2.48 GRADE A2 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 12 1959	0.56	3.49		30 11 1965	0.57	3.52	
19 1 1960	0.51	3.04		SPIKE ON PEAK IGNORED			
30 1 1960	0.74	5.60	1	5 12 1965	0.54	3.29	
21 9 1960	0.64	4.26		0.2 FT ALLOWED FOR BRANCH ON WEIR			
1 11 1960	0.87	7.63		9 12 1965	0.90	8.23	
27 11 1960	0.64	4.29		13 12 1965	0.53	3.18	
4 12 1960	0.98	10.07		19 12 1965	0.67	4.55	
BANK OVERTOPPED BY 6 INS OVER 20 FEET				23 12 1965	0.48	2.75	
19 12 1960	0.88	7.69		1 1 1966	0.53	3.24	
6 1 1961	0.56	3.43		8 2 1966	0.58	3.66	
10 1 1961	0.55	3.38		20 2 1966	0.66	4.44	
13 1 1961	0.46	2.59		17 11 1966	0.50	2.93	
21 1 1961	0.61	3.93		28 2 1967	0.47	2.64	4
28 1 1961	0.58	3.63		10 4 1967	0.50	2.93	
20 10 1961	0.60	3.81		12 5 1967	0.80	6.42	1
11 11 1961	0.55	3.38		6 11 1967	0.59	3.75	
1 12 1961	0.49	2.88		14 1 1968	0.62	4.02	
31 12 1961	0.71	5.06		8 2 1968	0.56	3.49	
4 1 1962	0.46	2.59		11 7 1968	0.47	2.67	1
11 1 1962	0.51	3.04		17 9 1968	0.95	9.35	
22 1 1962	0.46	2.56		8 11 1968	0.45	2.51	1
16 2 1962	0.71	5.18		22 12 1968	0.55	3.40	
17 4 1962	0.49	2.85		2 1 1969	0.67	4.67	1
20 12 1962	0.46	2.56		7 1 1969	0.48	2.72	1
28 1 1963	0.46	2.62		16 1 1969	0.50	2.93	1
4 7 1963	0.46	2.56		28 1 1969	0.50	2.96	1
19 11 1963	0.55	3.35		6 2 1969	0.48	2.72	1
15 3 1964	0.58	3.66		12 2 1969	0.52	3.07	1
30 12 1964	0.48	2.72		22 2 1969	0.70	4.94	1
26 3 1965	0.47	2.64		3 3 1969	0.46	2.54	1
19 11 1965	0.46	2.56		14 3 1969	0.67	4.55	
				15 4 1969	0.66	4.42	
				18 5 1969	0.80	6.38	
				3 6 1969	0.59	3.76	

34004 WENSUM AT COSTESSEY MILL
 GRID REF YG177128 AREA 536. SQ. KM
 PERIOD OF RECORD 27 1 1960 TO 6 10 1969

ESNRA THRESHOLD 15.00 GRADE A1 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 2 1960	1.32	24.99		12 12 1965	1.34	22.34	
3 11 1960	1.18	17.36		20 12 1965	1.28	21.93	
28 11 1960	1.15	16.43		2 1 1966	1.10	15.13	
6 12 1960	1.34	26.48		10 2 1966	1.15	16.61	
22 12 1960	1.29	23.13		22 2 1966	1.24	20.00	
7 1 1961	1.34	22.34		23 11 1966	1.20	14.88	
22 1 1961	1.11	15.20		15 1 1968	1.24	16.57	
12 1 1962	1.17	14.23		19 9 1968	1.24	20.00	
31 3 1963	1.07	11.50		9 1 1969	0.53	16.12	
16 3 1964	1.18	14.39		7 2 1969	0.51	15.54	
26 3 1965	1.28	11.70		13 2 1969	0.50	15.18	
				25 2 1969	0.65	20.89	
				15 3 1969	0.60	18.22	

34005 TUD AT COSTESSEY PARK

GRID REF TG170113 AREA 73.3 SQ.KM
 PERIOD OF RECORD 7 6 1961 TO 6 10 1969

ESNRA THRESHOLD 1.10 GRADE A2 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
20 10 1961	0.49	1.25		31 12 1965	0.46	1.80	
11 11 1961	0.49	2.10		9 2 1966	0.61	3.28	1
2 12 1961	0.45	1.69		20 2 1966	0.60	3.21	1
12 12 1961	0.42	1.46		25 2 1966	0.41	1.37	1
30 12 1961	0.46	1.80		17 11 1966	0.42	1.44	1
SPIKE ON HYDROGRAPH IGNORED				22 11 1966	0.44	1.67	1
6 1 1962	0.46	1.80		10 12 1966	0.39	1.20	1
11 1 1962	0.45	1.75		31 12 1966	0.43	1.59	
22 1 1962	0.43	1.56		28 1 1967	0.38	1.14	
15 2 1962	0.40	1.32		20 2 1967	0.39	1.25	
SPIKE ON HYDROGRAPH IGNORED				28 2 1967	0.44	1.62	
20 12 1962	0.37	1.11		6 11 1967	0.44	1.67	
SPIKE ON HYDROGRAPH IGNORED				6 1 1968	0.44	1.62	1
28 1 1963	0.38	1.14		14 1 1968	0.57	2.92	1
10 2 1963	0.49	2.07		9 2 1968	0.49	2.13	
14 3 1963	0.40	1.34		17 9 1968	0.71	4.50	1
19 11 1963	0.41	1.37		8 10 1968	0.41	1.42	
15 3 1964	0.52	2.39		3 11 1968	0.58	2.98	
24 3 1964	0.40	1.30		27 11 1968	0.44	1.64	
SPIKE ON HYDROGRAPH IGNORED				22 12 1968	0.50	2.13	
4 4 1964	0.44	1.64		8 1 1969	0.48	1.99	
10 1 1965	0.38	1.18	1	14 1 1969	0.42	1.48	
21 3 1965	0.42	1.44		28 1 1969	0.49	2.04	
4 9 1965	0.38	1.16		7 2 1969	0.53	2.42	
1 10 1965	0.44	1.62		13 2 1969	0.46	1.77	1
19 11 1965	0.43	1.56		23 2 1969	0.62	3.42	1
29 11 1965	0.46	1.77		3 3 1969	0.41	1.36	
5 12 1965	0.49	2.04	1	14 3 1969	0.58	2.98	1
10 12 1965	0.75	4.96	1	15 4 1969	0.39	1.20	
19 12 1965	0.60	3.25		18 5 1969	0.48	1.95	
				3 6 1969	0.41	1.36	

34006 WAVENEY AT NEEDHAM MILL

GRID REF TM229811 AREA 373.SQ.KM
 PERIOD OF RECORD 30 9 1963 TO 6 10 1969

ESNRA THRESHOLD 8.80 GRADE B CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
19 11 1963	0.79	9.16	2	28 2 1967	0.80	9.39	1
16 3 1964	1.20	22.97	2	6 11 1967	0.86	11.21	
24 3 1964	0.80	9.39		6 1 1968	0.89	12.09	8
19 4 1964	0.81	9.71		CORRELATION WITH MILL WEIR LEVEL			
22 3 1965	0.73	7.82		15 1 1968	1.17	21.71	1
29 11 1965	0.83	10.28		10 2 1968	1.07	17.94	1
6 12 1965	0.95	13.87	1	17 9 1968	1.79	112.79	5
10 12 1965	1.37	66.08	1	22 12 1968	1.09	18.73	
18 12 1965	1.10	18.85	1	4 1 1969	0.94	13.48	1
1 1 1966	0.78	9.08	1	16 1 1969	0.85	10.87	1
21 2 1966	0.81	9.71	1	23 1 1969	1.01	15.78	1
23 11 1966	0.85	10.95	1	29 1 1969	0.86	11.21	1
10 12 1966	1.12	19.78	1	12 2 1969	0.78	8.93	1
24 12 1966	0.83	10.36		23 2 1969	1.33	50.91	1
31 12 1966	0.98	14.66		14 3 1969	1.21	23.99	1
21 2 1967	0.83	10.36		19 3 1969	0.85	10.87	1
				7 5 1969	1.03	16.41	1
				18 5 1969	0.83	10.36	1

34008

ANT AT HONING LOCK

GRID REF YG331270 AREA 49.3 SQ.KM
 PERIOD OF RECORD 20 5 1966 TO 1 10 1969

ESNRA THRESHOLD 0.65 GRADE A2
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
23 2 1967	0.19	0.70		12 2 1969	0.19	0.72	
27 2 1967	0.22	0.87	6	22 2 1969	0.22	0.91	
10 4 1967	0.19	0.70		24 2 1969	0.18	0.67	
15 5 1967	0.26	1.15		3 3 1969	0.18	0.69	
7 11 1967	0.18	0.69		13 3 1969	0.24	1.02	
5 1 1968	0.18	0.65		19 3 1969	0.24	1.02	
14 1 1968	0.18	0.69		31 3 1969	0.18	0.65	
8 2 1968	0.23	0.95		15 4 1969	0.26	1.11	
3 1 1969	0.22	0.91		23 4 1969	0.21	0.86	
				18 5 1969	0.25	1.07	
				3 6 1969	0.21	0.82	

34011

WENSUM AT FAKENHAM

GRID REF YF919294 AREA 127.1 SQ.KM
 PERIOD OF RECORD 18 4 1966 TO 6 10 1969

ESNRA THRESHOLD 2.50 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 11 1966	0.49	3.18		22 12 1968	0.46	2.85	
22 11 1966	0.55	4.01		7 1 1969	0.50	3.39	
1 12 1966	0.45	2.75		14 1 1969	0.50	3.35	
10 12 1966	0.45	2.72		18 1 1969	0.50	3.29	
13 12 1966	0.45	2.79		21 1 1969	0.45	2.78	
31 12 1966	0.45	2.79		28 1 1969	0.45	2.80	
28 2 1967	0.48	3.14		6 2 1969	0.49	3.17	
27 5 1967	0.59	4.53		12 2 1969	0.45	2.80	
30 5 1967	0.57	4.27		24 2 1969	0.57	4.22	
6 11 1967	0.46	2.86		13 3 1969	0.54	3.81	
14 1 1968	0.51	3.52		31 3 1969	0.45	2.71	
12 9 1968	0.47	2.96		15 4 1969	0.50	3.29	
18 9 1968	0.59	4.53	2	18 5 1969	0.50	3.29	

35001

GIPPING AT CONSTANTINE WEIR

GRID REF TM154441 AREA 311. SQ.KM
 PERIOD OF RECORD 1 10 1961 TO 30 9 1969

ESNRA ANNUAL MAXIMA GRADE C

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
22 1 1962		8.64		10 12 1965		24.92	
12 3 1963		12.40		11 12 1966		12.32	
16 3 1964		25.15		17 9 1968		50.97	
4 9 1965		5.47		14 3 1969		25.91	

35003

ALDE AT FARNHAM

GRID REF TM360601 AREA 64. SQ.KM
 PERIOD OF RECORD 1 10 1961 TO 6 10 1969

ESNRA THRESHOLD 2.35 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 11 1961	0.44	3.66		1 10 1965	0.40	2.88	
1 12 1961	0.40	2.99		30 11 1965	0.45	3.99	
13 12 1961	0.39	2.77		5 12 1965	0.42	3.41	
31 12 1961	0.43	3.47		10 12 1965	0.85	8.80	1
4 1 1962	0.37	2.41		18 12 1965	0.45	3.92	1
22 1 1962	0.41	3.11		23 1 1966	0.37	2.46	
12 3 1963	0.44	3.79		21 2 1966	0.39	2.72	
2 5 1963	0.42	3.20		18 11 1966	0.41	3.17	
15 5 1963	0.37	2.36		22 11 1966	0.45	3.85	
18 11 1963	0.40	2.94		6 12 1966	0.41	3.17	
15 3 1964	0.79	8.42		10 12 1966	0.46	4.26	
4 9 1965	0.94	9.35		24 12 1966	0.40	2.94	
				31 12 1966	0.45	3.92	

35003 ALDE AT FARNHAM

DATE	LEVEL	DISCHARGE	NOTE
20 2 1967	0.37	2.41	
10 4 1967	0.39	2.67	
5 11 1967	0.47	4.40	
6 1 1968	0.42	3.23	
15 1 1968	0.49	4.77	
8 2 1968	0.46	4.19	
16 9 1968	1.32	11.43	

DATE	LEVEL	DISCHARGE	NOTE
17 12 1968	0.38	2.56	
22 12 1968	0.43	3.59	
2 1 1969	0.42	3.23	
23 1 1969	0.46	4.26	
21 2 1969	0.71	7.87	
13 3 1969	0.67	7.60	
6 5 1969	0.45	3.92	

35004 ORE AT BEVERSHAM BRIDGE

GRID REF TM359583 AREA 54.9 SQ. KM
 PERIOD OF RECORD 1 3 1965 TO 6 10 1969

ESNRA THRESHOLD 2.44 GRADE A2 CUMECS

DATE	LEVEL	DISCHARGE	NOTE
4 9 1965	1.01	6.11	
1 10 1965	0.69	3.47	
29 11 1965	0.85	4.68	
2 12 1965	0.60	2.88	
5 12 1965	0.84	4.58	
10 12 1965	1.01	6.05	
17 12 1965	0.85	4.63	
21 2 1966	0.54	2.47	1
18 11 1966	0.72	3.68	1
23 11 1966	0.81	4.38	
6 12 1966	0.73	3.77	
10 12 1966	0.87	4.84	
24 12 1966	0.59	2.82	
31 12 1966	0.83	4.54	
10 4 1967	0.55	2.52	1

DATE	LEVEL	DISCHARGE	NOTE
14 5 1967	0.58	2.76	1
4 11 1967	0.89	4.93	
5 1 1968	0.64	3.11	
14 1 1968	0.85	4.65	
STATION DROWNED OUT, LEVEL WATER			
9 2 1968	0.85	4.63	
16 9 1968	1.17	9.97	
26 9 1968	0.55	2.56	
22 12 1968	0.71	3.62	
3 1 1969	0.64	3.11	
23 1 1969	0.86	4.72	
21 2 1969	0.97	5.61	
13 3 1969	0.95	5.46	
6 5 1969	0.91	5.10	

35008 GIPPING AT I.C.I. STOWMARKET

GRID REF TM058578 AREA 129. SQ. KM
 PERIOD OF RECORD 17 2 1964 TO 6 10 1969

ESNRA THRESHOLD 3.90 GRADE A1 CUMECS

SIGNIFICANT GAPS
 20 9 1965 TO 27 4 1966

DATE	LEVEL	DISCHARGE	NOTE
15 3 1964	1.13	20.74	
24 3 1964	0.60	5.97	
18 4 1964	0.69	8.00	
21 3 1965	0.49	3.91	
3 9 1965	0.64	6.96	
10 12 1965		12.18	
RIVER AUTHORITY ESTIMATE USED			
10 12 1966	0.99	11.78	
24 12 1966	0.75	6.57	
31 12 1966	0.94	10.70	
28 1 1967	0.68	5.40	
20 2 1967	0.64	4.62	
10 4 1967	0.63	4.52	
6 11 1967	0.87	9.13	
26 12 1967	0.61	4.12	1

DATE	LEVEL	DISCHARGE	NOTE
30 12 1967	0.60	4.03	
5 1 1968	0.79	7.47	
15 1 1968	0.93	10.42	
9 2 1968	0.85	8.73	
16 9 1968	1.51	23.90	2
NOTCH BLOCKED, ESTIMATE MADE			
8 10 1968	0.64	4.67	1
1 11 1968	0.96	10.98	1
17 12 1968	0.78	7.17	
22 12 1968	0.82	7.96	
16 1 1969	0.82	8.09	
22 1 1969	1.08	14.14	1
28 1 1969	0.70	5.67	
12 2 1969	0.70	5.62	
21 2 1969	1.08	13.98	
13 3 1969	1.26	18.91	
18 3 1969	0.77	6.93	
6 5 1969	1.29	19.98	

35801

BUCKLESHAM MILL RIVER AT NEWBOURNE

GRID REF TM270420				AREA 25.1 SQ. KM		IWI THRESHOLD 0.28 CUMECs		GRADE A2			
PERIOD OF RECORD 1 1 1948 TO 30 9 1969											
SIGNIFICANT GAPS											
14 7 1951 TO 22 11 1951				31 1 1953 TO 11 4 1953		30 5 1953 TO 7 5 1954					
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 1 1948	0.18	0.32		19 12 1960	0.19	0.34					
10 2 1949	0.18	0.31		28 12 1960	0.21	0.38					
3 2 1950	0.15	0.25		30 12 1960	0.20	0.35	2				
17 2 1951	0.17	0.30		2 1 1961	0.21	0.37					
9 4 1951	0.24	0.46	4	6 1 1961	0.17	0.29					
1 5 1951	0.17	0.29		10 1 1961	0.18	0.30	2				
12 7 1951	0.21	0.37		21 1 1961	0.18	0.31					
25 11 1951	0.21	0.38		28 1 1961	0.17	0.30					
28 12 1951	0.18	0.32		29 1 1961	0.18	0.30					
8 3 1952	0.19	0.34		27 2 1961	0.21	0.38					
31 5 1952	0.18	0.32		1 4 1961	0.21	0.37					
30 9 1952	0.19	0.32		5 4 1961	0.17	0.30					
19 11 1952	0.18	0.30		7 4 1961	0.19	0.32					
22 11 1952	0.22	0.40		4 5 1961	0.32	0.67	4				
29 11 1952	0.18	0.32		CHART RANGE EXCEEDED FOR EIGHT HOURS							
20 12 1952	0.20	0.35		12 6 1961	0.17	0.29					
26 12 1952	0.18	0.31		5 8 1961	0.17	0.29					
9 8 1954	0.18	0.30		11 8 1961	0.17	0.30					
16 8 1954	0.23	0.42		13 9 1961	0.18	0.32					
24 8 1954	0.17	0.29		14 9 1961	0.24	0.46					
23 11 1954	0.18	0.30		20 10 1961	0.21	0.37	2				
13 12 1954	0.25	0.48		27 10 1961	0.19	0.33					
22 1 1955	0.24	0.44		10 11 1961	0.22	0.40					
4 2 1955	0.20	0.35		1 12 1961	0.21	0.39					
12 6 1955	0.18	0.32		13 12 1961	0.17	0.30					
28 10 1955	0.32	0.67	4	29 12 1961	0.18	0.30					
CHART LIMIT EXCEEDED FOR ONE DAY				1 1 1962	0.24	0.47	2				
26 1 1956	0.22	0.41	2	10 1 1962	0.19	0.33					
30 1 1956	0.19	0.32		21 1 1962	0.18	0.31					
13 7 1956	0.18	0.30		10 3 1962	0.17	0.30	2				
10 6 1957	0.19	0.34		4 4 1962	0.17	0.29					
13 12 1957	0.23	0.43		21 5 1962	0.17	0.29					
26 1 1958	0.19	0.32		26 7 1962	0.24	0.44					
24 2 1958	0.21	0.38		3 11 1962	0.20	0.35					
28 5 1958	0.21	0.38		4 11 1962	0.19	0.33					
27 6 1958	0.29	0.50	4	20 12 1962	0.18	0.30	2				
CHART RANGE EXCEEDED FOR 8 HOURS				11 3 1963	0.19	0.34					
9 12 1958	0.17	0.29		13 3 1963	0.18	0.31					
12 12 1958	0.18	0.30		18 11 1963	0.18	0.31	2				
13 12 1958	0.20	0.36		15 3 1964	0.32	0.67	4				
19 12 1958	0.17	0.30		CHART RANGE EXCEEDED FOR 15 HOURS							
7 1 1959	0.22	0.41		18 4 1964	0.18	0.31					
26 12 1959	0.18	0.30		23 4 1964	0.18	0.30					
30 3 1960	0.20	0.35	2	5 6 1964	0.23	0.42					
24 6 1960	0.23	0.43	2	13 6 1964	0.18	0.32					
21 9 1960	0.30	0.61	4	20 6 1964	0.17	0.30					
CHART RANGE EXCEEDED FOR EIGHT HOURS				20 3 1965	0.20	0.35					
9 10 1960	0.28	0.55		2 8 1965	0.29	0.58	4				
19 10 1960	0.20	0.35		CHART RANGE EXCEEDED FOR 6 HOURS							
22 10 1960	0.21	0.38		3 9 1965	0.24	0.44					
26 10 1960	0.17	0.30		8 9 1965	0.21	0.37					
29 10 1960	0.24	0.44		30 9 1965	0.21	0.38					
1 11 1960	0.22	0.41		5 12 1965	0.20	0.35	2				
3 11 1960	0.20	0.36		9 12 1965	0.22	0.40					
17 11 1960	0.20	0.35		24 12 1965	0.18	0.30	2				
25 11 1960	0.23	0.44		19 4 1966	0.20	0.35					
26 11 1960	0.17	0.30		19 7 1966	0.18	0.32					
4 12 1960	0.21	0.37	2	30 8 1966	0.19	0.32					
				17 11 1966	0.18	0.30					
				23 11 1966	0.21	0.39					
				6 12 1966	0.18	0.30	2				
				11 12 1966	0.18	0.32					
				10 4 1967	0.20	0.36					
				12 4 1967	0.17	0.30	2				
				23 7 1967	0.18	0.32					

35801 BUCKLESHAM MILL RIVER AT NEWBOURNE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 11 1967	0.22	0.41		20 2 1969	0.20	0.35	2
6 1 1968	0.17	0.29		28 2 1969	0.20	0.35	2
12 9 1968	0.20	0.36		10 3 1969	0.20	0.35	2
16 9 1968	0.20	0.35	2	13 3 1969	0.21	0.39	2
				6 5 1969	0.28	0.55	2
22 1 1969	0.18	0.32		7 7 1969	0.21	0.39	2
				30 7 1969	0.22	0.41	2

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1950-1951 1951-1952 1952-1953 1953-1954

36001 STOUR AT STRATFORD ST.MARY

GRID REF TM042340 AREA 844. SQ.KM				EWC		GRADE C	
PERIOD OF RECORD 1 10 1935 TO 30 9 1970				ANNUAL MAXIMA			
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 1 1936		26.62		1 1 1954		37.95	
1 1 1937		43.05		1 1 1955		21.24	
1 1 1938		44.18		1 1 1956		25.20	
1 1 1939		43.05		1 1 1957		20.39	
1 1 1940		54.09		1 1 1958		40.07	
1 1 1941		33.42		1 1 1959		40.07	
1 1 1942		26.59		1 1 1960		40.07	
1 1 1943		29.82		1 1 1961		23.22	
1 1 1944		34.83		1 1 1962		24.92	
1 1 1945		41.06		1 1 1963		33.76	
1 1 1946		24.64		1 1 1964		38.91	
1 1 1947		96.29		1 1 1965		23.22	
1 1 1948		13.03		1 1 1966		20.39	
1 1 1949		9.91		1 1 1967		18.69	
1 1 1950		15.29		1 1 1968		99.12	
1 1 1951		37.95		1 1 1969		34.92	
1 1 1952		27.19		1 1 1970		29.88	
1 1 1953		16.43					

36002 GLEM AT GLEMSFORD

GRID REF TL846472 AREA 87.3 SQ.KM				ERA		GRADE B	
PERIOD OF RECORD 10 12 1962 TO 30 9 1969				THRESHOLD		3.90 CUMECs	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
6 3 1963		7.00		10 4 1967		4.30	
10 3 1963		6.50					
14 3 1963		5.20		4 11 1967		4.80	
1 5 1963		5.40		6 11 1967		5.00	
				25 12 1967		4.30	
19 11 1963		10.80		5 1 1968		6.10	4
15 3 1964		10.00	2	14 1 1968		7.30	4
				9 8 1968		4.00	8
20 3 1965		4.20		15 9 1968		23.00	5
29 11 1965		4.80		8 10 1968		10.60	
5 12 1965		5.20		1 11 1968		4.40	
10 12 1965		4.80	2	17 12 1968		7.40	8
17 12 1965		7.40		21 12 1968		5.20	8
				22 1 1969		8.70	
10 12 1966		7.40		28 1 1969		5.60	
24 12 1966		5.20		22 2 1969		7.60	
31 12 1966		6.80		13 3 1969		8.50	
11 1 1967		4.00		18 3 1969		6.20	
28 2 1967		4.20		6 5 1969		9.40	

36003

BOX AT POLSTEAD

GRID REF TL985378 AREA 53.9 SQ.KM
 PERIOD OF RECORD 1 10 1963 TO 30 9 1969

ERA THRESHOLD 0.88 GRADE A2
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
18 11 1963	0.72	3.00		11 1 1967	0.46	1.17	
15 3 1964	0.88	4.60		28 1 1967	0.55	1.72	
24 3 1964	0.43	1.03		10 4 1967	0.49	1.38	
18 4 1964	0.47	1.26					
3 9 1965	0.45	1.14		5 1 1968	0.52	1.50	
				14 1 1968	0.66	2.50	
29 11 1965	0.47	1.26		16 9 1968	0.55	1.71	
5 12 1965	0.59	1.96					
9 12 1965	0.76	3.37		1 11 1968	0.56	1.78	
17 12 1965	0.65	2.45		17 12 1968	0.53	1.61	
23 12 1965	0.54	1.67		21 12 1968	0.49	1.38	
2 1 1966	0.44	1.07		22 1 1969	0.55	1.71	
10 2 1966	0.49	1.38		28 1 1969	0.46	1.21	
20 2 1966	0.56	1.76		12 2 1969	0.43	1.04	
20 4 1966	0.47	1.25		21 2 1969	0.81	3.92	
				13 3 1969	0.97	5.80	
10 12 1966	0.57	1.82		15 3 1969	0.54	1.67	
31 12 1966	0.54	1.67		18 3 1969	0.80	3.82	
				6 5 1969	0.74	3.00	

36005

BRETT AT HADLEIGH

GRID REF TM025429 AREA 156. SQ.KM
 PERIOD OF RECORD 1 10 1963 TO 30 9 1969

ERA THRESHOLD 4.60 GRADE A2
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
19 11 1963	0.92	11.56		6 11 1967	0.72	5.89	
15 3 1964	0.82	6.30		5 1 1968	0.73	5.97	
3 9 1965	0.64	4.00		14 1 1968	0.82	8.56	
				9 2 1968	0.70	5.32	
29 11 1965	0.73	5.97		28 6 1968	0.73	5.97	
6 12 1965	0.79	7.76		11 7 1968	0.71	5.60	
10 12 1965	0.97	13.11		9 8 1968	0.84	9.07	
18 12 1965	0.85	9.24		16 9 1968	0.99	12.26	
23 12 1965	0.72	5.89					
20 2 1966	0.71	5.60		2 11 1968	0.76	6.74	
20 4 1966	0.70	5.26		17 12 1968	0.78	7.41	
				22 12 1968	0.76	6.74	
10 12 1966	0.76	6.91		15 1 1969	0.72	5.82	
31 12 1966	0.76	6.74		23 1 1969	0.93	11.66	
28 1 1967	0.79	7.58		28 1 1969	0.73	5.97	
10 4 1967	0.73	5.97		21 2 1969	0.92	11.56	
				13 3 1969	1.09	16.30	
				6 5 1969	0.87	9.95	

36006

STOUR AT LANGHAM

GRID REF TM020344 AREA 578. SQ.KM
 PERIOD OF RECORD 1 10 1963 TO 30 9 1969

ERA THRESHOLD 12.60 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
21 11 1963	1.84	33.33		2 1 1967	1.36	17.42	
17 3 1964	1.89	35.41		12 1 1967	1.24	14.37	
17 4 1964	1.21	13.40		29 1 1967	1.28	15.15	
21 5 1965	1.14	11.91		1 3 1967	1.18	12.89	
				11 4 1967	1.18	12.89	
1 12 1965	1.21	13.55					
11 12 1965	1.53	22.41		8 11 1967	1.37	17.59	
19 12 1965	1.54	22.89		7 1 1968	1.18	12.89	
25 12 1965	1.31	16.18		16 1 1968	1.46	20.42	
1 1 1966	1.18	12.75		17 9 1968	1.80	90.00	5
11 2 1966	1.26	14.83		BYPASSING DUE TO OBSTRUCTION AT BRIDGE UPSTREAM			
21 2 1966	1.30	15.78		10 10 1968	1.29	15.54	
27 2 1966	1.21	13.55		19 12 1968	1.37	17.68	
20 4 1966	1.21	13.48		14 1 1969	1.21	13.62	
				24 1 1969	1.57	23.88	
12 12 1966	1.37	17.59		12 2 1969	1.34	16.76	
25 12 1966	1.28	15.15		24 2 1969	1.76	30.30	

36006 STOUR AT LANGHAM

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
14 3 1969	1.95	37.80		7 5 1969	1.40	18.45	

36007 BELCHAMP BROOK AT BARDFIELD BRIDGE

GRID REF TL848421 AREA 58.5 SQ. KM ERA THRESHOLD 1.40 GRADE A2
 PERIOD OF RECORD 1 10 1964 TO 30 9 1969 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
22 3 1965	0.33	0.43		28 2 1967	0.60	1.44	
29 11 1965	0.66	1.73		5 1 1968	0.68	1.84	
5 12 1965	0.76	2.26		14 1 1968	0.88	3.07	
9 12 1965	0.94	3.52		16 9 1968	1.12	3.80	
17 12 1965	0.85	2.86		17 12 1968	0.88	3.05	
23 12 1965	0.77	2.36		22 12 1968	0.70	1.91	
10 2 1966	0.73	2.08		22 1 1969	0.78	2.39	
20 2 1966	0.76	2.28		28 1 1969	0.72	2.04	
20 4 1966	0.63	1.55		12 2 1969	0.64	1.59	
10 12 1966	0.70	1.91		21 2 1969	0.88	3.07	
24 12 1966	0.63	1.55		13 3 1969	1.39	9.27	
31 12 1966	0.73	2.08		18 3 1969	0.96	3.69	
11 1 1967	0.60	1.44		6 5 1969	0.77	2.36	
28 1 1967	0.73	2.08					

36008 STOUR AT WEST MILL

GRID REF TL827463 AREA 224. SQ. KM ERA THRESHOLD 7.25 GRADE A2
 PERIOD OF RECORD 7 10 1960 TO 30 9 1969 CUMECS
 SIGNIFICANT GAPS 12 12 1960 TO 20 12 1960 22 12 1960 TO 9 1 1961 30 1 1961 TO 28 2 1961

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 10 1960	1.50	16.62		24 12 1965	1.15	9.61	
21 10 1960	1.24	11.11		10 2 1966	1.07	8.15	
31 10 1960	1.55	17.84		21 2 1966	1.12	9.07	
26 11 1960	1.43	15.03		27 2 1966	1.09	8.45	
5 12 1960	1.49	16.41		20 4 1966	1.09	8.55	
21 12 1960		28.00		10 12 1966	1.28	11.87	
PEAK KNOWN TO EXCEED 26 CUMECS				24 12 1966	1.09	8.55	
10 1 1961	1.24	11.11		31 12 1966	1.21	10.71	
29 1 1961	1.19	10.32		28 2 1967	1.15	9.61	
SPIKE ON PEAK IGNORED				6 11 1967	1.32	12.77	
28 2 1961	1.38	13.98		25 12 1967	1.14	9.34	
1 3 1961	1.37	13.85		5 1 1968	1.28	11.87	
7 1 1962	1.32	12.77		14 1 1968	1.36	13.59	
22 1 1962	1.31	12.47		10 8 1968	1.09	8.55	
1 2 1962	1.03	7.56		16 9 1968	2.02	85.00	5
6 4 1962	1.21	10.60		9 10 1968	1.31	12.47	
6 3 1963	1.46	15.78		1 11 1968	1.14	9.28	
2 5 1963	1.16	9.72		17 12 1968	1.34	13.06	
19 11 1963	1.67	20.91		22 12 1968	1.23	10.91	
15 3 1964	1.70	21.72		13 1 1969	1.10	8.60	
21 3 1965	0.92	5.98		22 1 1969	1.42	14.75	
SPIKE ON PEAK IGNORED				28 1 1969	1.22	10.73	
30 11 1965	1.06	8.05		12 2 1969	1.24	11.10	
5 12 1965	1.21	10.71		23 2 1969	1.46	15.64	
9 12 1965	1.34	13.09		13 3 1969	1.77	22.30	
17 12 1965	1.31	12.59		18 3 1969	1.27	11.67	
				6 5 1969	1.35	13.27	

37001

RODING AT REDBRIDGE

GRID REF TQ415884 AREA 303. SQ. KM
 PERIOD OF RECORD 1 2 1950 TO 1 10 1969

ERA THRESHOLD 10.90 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
2 2 1950		16.99		21 12 1960		11.89	
6 1 1951		13.59		2 1 1961		14.16	
5 2 1951		17.84		30 1 1961		12.46	
10 2 1951		21.23		3 2 1961		11.18	
15 2 1951		20.95		28 2 1961		20.10	
21 2 1951		19.82		2 12 1961		13.59	
26 2 1951		18.40		31 12 1961		13.59	
14 3 1951		16.99		7 1 1962		14.16	
19 3 1951		16.99		11 1 1962		16.99	
22 3 1951		11.61		18 1 1962		11.47	
9 4 1951		28.03		22 1 1962		25.48	
19 11 1951		13.02		10 3 1963		13.99	
25 11 1951		11.04		10 11 1963		27.80	
10 3 1952		16.99		29 1 1964		17.84	
1 4 1952		11.32		1 3 1964		13.16	
17 12 1952		11.89		16 3 1964		38.64	
21 12 1952		11.89		24 3 1964		12.80	
11 2 1953		26.61		24 4 1964		16.31	
2 11 1953		11.04		21 3 1965		9.48	
19 2 1954		11.04		21 11 1965		11.04	
4 3 1954		21.23		30 11 1965		11.75	
30 11 1954		11.89		6 12 1965		18.54	
9 12 1954		11.32		10 12 1965		24.52	
17 1 1955		17.55		18 12 1965		17.55	
22 1 1955		11.04		24 12 1965		16.76	
28 5 1955		12.46		2 1 1966		17.55	
31 1 1956		14.72		11 2 1966		15.85	
29 12 1956		13.31		21 2 1966		14.16	
8 2 1957		14.44		26 2 1966		12.88	
12 2 1957		15.57		16 4 1966		11.04	
14 12 1957		14.16		20 4 1966		22.73	
6 1 1958		13.45		22 6 1966		12.03	
25 2 1958		31.14		11 12 1966		17.41	
28 6 1958		21.80		30 12 1966		15.15	
3 7 1958		24.63		21 2 1967		15.83	
6 9 1958		25.76		1 3 1967		19.96	
24 9 1958		22.65		10 3 1967		13.02	
14 10 1958		11.89		10 4 1967		11.61	
3 11 1958		22.93		5 11 1967		16.28	
13 12 1958		16.42		19 12 1967		11.47	
8 1 1959		15.57		26 12 1967		11.47	
21 1 1959		12.46		6 1 1968		11.89	
25 1 1960		12.46		14 1 1968		34.11	
20 9 1960		20.95		14 7 1968		11.18	
10 10 1960		16.42		17 9 1968		15.46	
24 10 1960		11.89		9 10 1968		11.07	
31 10 1960		31.14		18 12 1968		31.14	
26 11 1960		27.74		14 1 1969		13.99	
5 12 1960		36.80		29 1 1969		13.99	
				12 2 1969		12.14	
				21 2 1969		19.90	
				13 3 1969		30.86	

37003

TER AT CRABBS BRIDGE

GRID REF TL786107 AREA 77.7 SQ. KM
 PERIOD OF RECORD 1 12 1963 TO 1 10 1969

ERA THRESHOLD 1.65 GRADE A2
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
15 3 1964	1.28	7.10		3 9 1965	0.88	2.00	
24 3 1964	0.69	1.88		29 11 1965	0.75	2.27	
23 4 1964	0.85	2.91		5 12 1965	1.00	4.13	

37003

TER AT CRABBS BRIDGE

DATE	LEVEL	DISCHARGE	NOTE
10 12 1965	1.11	5.21	
18 12 1965	1.00	4.10	
23 12 1965	0.84	2.81	
2 1 1966	0.78	2.44	
10 2 1966	0.88	3.06	
20 2 1966	0.79	2.47	
25 2 1966	0.75	2.27	
19 4 1966	1.09	4.99	
10 12 1966	1.30	7.41	
29 12 1966	0.83	2.77	
11 1 1967	0.69	1.91	
28 1 1967	0.72	2.09	
21 2 1967	0.74	2.19	
28 2 1967	0.81	2.65	

DATE	LEVEL	DISCHARGE	NOTE
10 3 1967	0.67	1.77	
16 4 1967	0.74	2.19	
4 11 1967	0.76	2.29	
14 1 1968	1.09	4.96	
2 11 1968	0.67	1.77	
18 12 1968	1.15	5.60	
22 12 1968	0.76	2.30	
12 1 1969	0.65	1.70	
28 1 1969	0.72	2.09	
21 2 1969	1.03	4.42	
13 3 1969	1.34	7.92	
19 3 1969	0.85	2.91	

37005

COLNE AT LEXDEN

GRID REF TL962261 AREA 238, SQ.KM
 PERIOD OF RECORD 1 10 1962 TO 30 9 1969

ERA THRESHOLD 5.70 GRADE A2
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
6 3 1963	1.41	10.48	
12 3 1963	1.37	9.87	
2 5 1963	1.17	7.07	
20 11 1963	1.48	11.61	
16 3 1964	1.87	18.57	
24 3 1964	1.09	6.15	
17 4 1964	1.06	5.88	
3 9 1965	1.01	5.24	
30 11 1965	1.09	6.19	
5 12 1965	1.33	9.37	
10 12 1965	1.49	11.86	
18 12 1965	1.46	11.31	
24 12 1965	1.29	8.70	
10 2 1966	1.26	8.36	
21 2 1966	1.35	9.59	
25 2 1966	1.06	5.84	
19 4 1966	1.35	9.55	
11 12 1966	1.40	10.33	

DATE	LEVEL	DISCHARGE	NOTE
1 1 1967	1.21	7.70	
28 1 1967	1.23	7.94	
28 2 1967	1.15	6.88	
4 11 1967	1.28	8.53	
6 11 1967	1.18	7.30	
5 1 1968	1.06	5.84	
15 1 1968	1.43	10.81	
17 9 1968	1.41	10.46	2
9 10 1968	1.23	7.84	
2 11 1968	1.13	6.58	
18 12 1968	1.41	10.46	
22 12 1968	1.20	7.44	
13 1 1969	1.07	5.88	
23 1 1969	1.13	6.58	
28 1 1969	1.18	7.19	
12 2 1969	1.18	7.19	
21 2 1969	1.55	12.77	
14 3 1969	1.92	24.06	
18 3 1969	1.50	11.92	
6 5 1969	1.39	10.15	

37006

CAN AT BEACH'S MILL

GRID REF TL690072 AREA 228, SQ.KM
 PERIOD OF RECORD 1 10 1962 TO 30 9 1969

ERA THRESHOLD 10.70 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
11 3 1963		10.80	
29 1 1964		13.50	
29 2 1964		14.30	2
15 3 1964		33.10	2
24 3 1964		12.40	
23 4 1964		12.60	
3 9 1965		8.09	2
2 12 1965		12.70	
5 12 1965		19.20	
9 12 1965		16.20	
19 12 1965		16.00	
2 1 1966		12.60	
10 2 1966		15.10	
25 2 1966		14.10	

DATE	LEVEL	DISCHARGE	NOTE
19 4 1966		13.30	
10 12 1966		17.20	
29 12 1966		15.20	
21 2 1967		15.80	
28 2 1967		19.90	
10 4 1967		13.70	
4 11 1967		14.70	
14 1 1968		16.20	
16 9 1968		18.90	
1 11 1968		13.70	
17 12 1968		21.10	
21 2 1969		20.00	
13 3 1969		19.60	

37007

WID AT WRITTLE

GRID REF TL686060 AREA 136. SQ. KM
 PERIOD OF RECORD 1 10 1964 TO 30 9 1969

ERA THRESHOLD 7.00 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 9 1965	0.71	7.70		20 2 1967	0.80	9.81	
2 12 1965	0.74	8.28		28 2 1967	0.90	12.83	
5 12 1965	0.89	12.28		10 4 1967	0.73	8.06	
9 12 1965	1.01	16.39		2 11 1967	0.70	7.36	
19 12 1965	0.84	10.88		4 11 1967	0.83	10.63	
23 12 1965	0.88	12.10		19 12 1967	0.72	7.84	
2 1 1966	0.77	9.03		14 1 1968	1.11	19.83	
10 2 1966	0.85	11.22		16 9 1968	0.97	14.85	
25 2 1966	0.74	8.35		12 10 1968	0.69	7.15	
16 4 1966	0.70	7.36		1 11 1968	0.75	8.65	
20 4 1966	1.02	16.70		17 12 1968	1.28	29.09	
22 10 1966	0.73	8.06		12 2 1969	0.71	7.63	
10 12 1966	0.87	11.83		21 2 1969	0.95	14.16	
27 12 1966	0.83	10.71		13 3 1969	1.14	20.89	
26 1 1967	0.72	7.99					

37009

BRAIN AT GUTHAVON VALLEY

GRID REF TL818147 AREA 60.6 SQ. KM
 PERIOD OF RECORD 1 6 1962 TO 30 9 1969

ERA THRESHOLD 1.71 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
6 3 1963	0.48	2.03		20 2 1966	0.50	2.27	
10 3 1963	0.49	2.12		20 4 1966	0.58	3.17	
11 3 1963	0.49	2.09		10 12 1966	0.70	4.82	
19 11 1963	0.54	2.67		29 12 1966	0.49	2.12	
15 3 1964	0.64	3.96		31 12 1966	0.45	1.78	
23 4 1964	0.47	1.92		26 1 1967	0.45	1.78	
4 9 1965	0.51	2.37		21 2 1967	0.47	1.95	
29 11 1965	0.47	1.95		28 2 1967	0.49	2.12	
5 12 1965	0.58	3.13		10 4 1967	0.48	2.06	
10 12 1965	0.64	3.84		4 11 1967	0.48	2.03	
16 12 1965	0.47	1.95		14 1 1968	0.60	3.43	
17 12 1965	0.58	3.13		18 12 1968	0.58	3.09	
23 12 1965	0.45	1.78		21 2 1969	0.57	3.02	
2 1 1966	0.45	1.78		13 3 1969	0.79	6.25	
10 2 1966	0.54	2.63		18 3 1969	0.49	2.12	

37010

BLACKWATER AT APPLEFORD BRIDGE

GRID REF TL845158 AREA 247. SQ. KM
 PERIOD OF RECORD 1 10 1963 TO 30 9 1969

ERA THRESHOLD 5.20 GRADE A2
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
20 11 1963		9.20		10 12 1966		11.30	
16 3 1964		14.70		25 12 1966		6.10	
23 4 1964		5.70		1 1 1967	0.94	6.47	
SPIKE ON PEAK IGNORED				29 1 1967	0.90	5.95	
3 9 1965		4.70		21 2 1967	0.88	5.62	
SPIKE ON PEAK IGNORED				28 2 1967		7.50	
30 11 1965		6.90		10 3 1967		6.60	
5 12 1965	1.06	8.31		10 4 1967	0.88	5.66	
9 12 1965		10.70		5 11 1967	0.97	6.92	
18 12 1965	1.09	8.79		26 12 1967	0.88	5.58	
24 12 1965	1.02	7.66		6 1 1968	0.90	5.87	
2 1 1966	0.85	5.30		14 1 1968	1.12	9.23	
11 2 1966	1.00	7.39		SPIKE ON PEAK IGNORED			
SPIKE ON PEAK IGNORED				18 9 1968		7.10	
21 2 1966	1.04	7.93		10 10 1968	0.93	6.39	
26 2 1966	0.93	6.30		2 11 1968	0.91	6.00	
19 4 1966		11.00					

37010 BLACKWATER AT APPLEFORD BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
19 12 1968	1.03	7.84		21 2 1969	1.18	10.31	
14 1 1969		6.20		14 3 1969		18.70	
23 1 1969	0.92	6.21		18 3 1969	1.05	8.07	
29 1 1969	0.96	6.70		7 5 1969	0.94	6.47	
12 2 1969	0.91	6.04					

37011 CHELMER AT CHURCHEND

GRID REF TL629233 AREA 72.5 SQ. KM
 PERIOD OF RECORD 1 10 1963 TO 30 9 1969

ERA THRESHOLD 3.40 GRADE A1 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
19 11 1963		6.09		10 3 1967	0.94	3.64	
15 3 1964	1.61	12.04		1 11 1967	0.94	3.61	
21 3 1965	0.53	1.07		SPIKE ON PEAK IGNORED			
29 11 1965	1.10	5.10		4 11 1967	1.18	5.98	
5 12 1965	1.24	6.63		25 12 1967	1.03	4.37	
9 12 1965	1.36	8.26		13 1 1968	1.24	6.67	
17 12 1965	1.16	5.66		16 9 1968	1.49	9.80	
23 12 1965	1.04	4.51		8 10 1968	1.12	5.29	
10 2 1966	1.07	4.80		1 11 1968	0.95	3.66	
20 2 1966	1.03	4.37		17 12 1968	1.38	8.47	
25 2 1966	0.97	3.87		21 12 1968	1.09	4.97	
10 12 1966	1.46	9.67		13 1 1969	0.93	3.51	
31 12 1966	1.06	4.65		28 1 1969	1.07	4.80	
26 1 1967	0.97	3.87		21 2 1969	1.17	5.84	
20 2 1967	1.00	4.13		13 3 1969	1.64	12.57	
27 2 1967	1.15	5.56		18 3 1969	0.95	3.66	
				6 5 1969	0.93	3.54	

37012 COLNE AT POOL STREET

GRID REF TL771364 AREA 65. SQ. KM
 PERIOD OF RECORD 1 2 1964 TO 1 10 1969

ERA THRESHOLD 2.90 GRADE A2 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
29 2 1964	1.05	3.95		5 11 1967	1.24	5.67	
15 3 1964	1.60	14.05		5 1 1968	0.99	3.48	
21 3 1965	0.59	1.19		14 1 1968	1.33	6.55	
29 11 1965	0.96	3.25		16 9 1968	1.64	19.00	
5 12 1965	1.21	5.38		8 10 1968	6.0	9.00	
9 12 1965	1.53	11.49		2 11 1968	1.04	3.88	
17 12 1965	1.33	6.52		17 12 1968	1.43	8.35	
23 12 1965	1.16	4.85		22 12 1968	1.12	4.53	
10 2 1966	1.06	4.07		22 1 1969	1.10	4.37	
20 2 1966	1.09	4.27		28 1 1969	1.16	4.85	
10 12 1966	1.40	7.62		12 2 1969	1.06	4.00	
24 12 1966	0.92	3.00		21 2 1969	1.33	6.55	
31 12 1966	1.09	4.27		13 3 1969		10.47	
28 1 1967	0.99	3.46		18 3 1969	1.09	4.30	
27 2 1967	1.02	3.73		6 5 1969	1.00	3.59	

37013 SANDON BROOK AT SANDON BRIDGE

GRID REF TL755055 AREA 60.6 SQ. KM
 PERIOD OF RECORD 1 1 1964 TO 1 10 1969

ERA THRESHOLD 3.40 GRADE A2 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
29 2 1964		7.00		5 12 1965		8.55	
14 3 1964		17.20		9 12 1965		12.51	
19 3 1964	0.54	3.74		19 12 1965		4.90	
24 3 1964	0.60	4.54		23 12 1965		5.89	
16 4 1964	0.64	5.08		10 2 1966		6.27	
3 9 1965		7.84		20 2 1966		3.94	

37013 SANDON BROOK AT SANDON BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 2 1966		5.15		4 11 1967	0.66	3.45	
19 4 1966		10.50		13 1 1968	0.86	8.98	
				15 9 1968		9.40	
6 12 1966	0.52	3.50		1 11 1968	0.64	5.08	
10 12 1966	0.76	7.08		17 12 1968	0.60	4.62	
26 1 1967	0.56	4.02		28 1 1969	0.52	3.50	
20 2 1967	0.60	4.58		20 2 1969	0.79	7.69	
28 2 1967	0.82	8.27		13 3 1969	1.00	12.08	
10 4 1967	0.54	3.70		18 3 1969	0.52	3.46	

37014 RODING AT HIGH ONGAR

GRID REF	TL561040	AREA	95.1 SQ. KM	ERA	GRADE	A2	
PERIOD OF RECORD	11 2 1964 TO	1 10 1969		THRESHOLD	4.29 CUMECs		
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
29 2 1964		7.45		10 12 1966		11.90	
15 3 1964		15.69		28 2 1967		10.43	
23 4 1964		5.94		SPIKE ON PEAK IGNORED			
				5 11 1967		5.47	
3 9 1965		2.50		14 1 1968		12.29	
29 11 1965		5.79		16 9 1968		5.66	
5 12 1965		7.30					
9 12 1965		12.87		2 11 1968		4.64	
17 12 1965		6.20		21 12 1968		5.11	
23 12 1965		5.50		13 1 1969		5.00	
10 2 1966		6.18		28 1 1969		6.04	
SPIKE ON PEAK IGNORED				12 2 1969		4.40	
20 2 1966		4.30		SPIKE ON PEAK IGNORED			
25 2 1966		5.78		21 2 1969		8.77	
19 4 1966		7.42		13 3 1969		12.22	
				18 3 1969		4.50	

38002 ASH AT MARDOCK

GRID REF	TL393148	AREA	78.7 SQ. KM	LC	GRADE	B	
PERIOD OF RECORD	7 9 1939 TO	30 9 1969		THRESHOLD	2.26 CUMECs		
SIGNIFICANT GAPS							
1 10 1950 TO 30 9 1951							
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
15 10 1939		5.94		1 1 1943		2.45	
6 11 1939		2.57		7 1 1943		5.14	
16 11 1939		2.26		11 1 1943		4.81	
19 11 1939		4.58		14 1 1943		9.44	2
24 11 1939		2.83		30 1 1943		2.55	2
26 11 1939		4.43		31 1 1943		8.96	
27 11 1939		6.61					
8 12 1939		4.58		19 12 1943		0.17	
7 2 1940		6.84	2	31 1 1945		5.90	2
21 2 1940		2.74		12 2 1945		2.81	
15 3 1940		3.07					
17 3 1940		4.25		28 12 1945		2.48	
26 3 1940		4.62		5 3 1946		3.77	
12 11 1940		2.97		9 1 1947		3.21	
14 11 1940		8.63		13 1 1947		2.69	
17 11 1940		5.19		4 2 1947		3.49	
22 1 1941		4.48	9	13 3 1947		18.40	8 5
25 1 1941		2.59	9	16 3 1947		10.85	
28 1 1941		2.93		VERY ROUGH ESTIMATE			
7 2 1941		4.25		19 3 1947		3.54	
7 3 1941		7.08	2	29 3 1947		6.61	2
				4 4 1947		2.45	
6 12 1941		2.64					
24 1 1942		5.90		29 1 1948		1.30	
4 2 1942		5.66					
10 2 1942		4.10		1 1 1949		3.54	2
				4 1 1949		2.31	

38002

ASH AT MARDOCK

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
2 1 1950		8.73		22 10 1960		3.31	
TEMPORARY WEIR IN POSITION				26 10 1960		4.27	
6 2 1950		2.36		29 10 1960		5.95	
13 2 1950		4.01		1 11 1960		5.10	
18 11 1951		3.68		22 11 1960		3.91	
25 11 1951		3.54	2	25 11 1960		6.82	
7 3 1952		4.01		4 12 1960		7.93	
9 3 1952		5.19	2	20 12 1960		7.70	
22 11 1952		5.90	2	26 12 1960		2.38	
27 11 1952		3.77		30 1 1961		4.39	
11 12 1952		2.83		2 2 1961		3.71	
16 12 1952		5.19		27 2 1961		8.04	
19 12 1952		5.43		6 1 1962		4.33	
10 1 1953		2.36	2	10 1 1962		3.74	
11 2 1953		6.51		12 1 1962		2.49	
13 2 1954		2.41		21 1 1962		5.38	
19 2 1954		2.72		5 3 1963		4.25	
3 3 1954		2.75	2	9 3 1963		4.98	
7 3 1954		2.72	2	19 11 1963		4.84	
23 11 1954		2.83	2	29 11 1963		3.11	
29 11 1954		3.68		29 1 1964		7.05	
9 12 1954		4.81		15 3 1964		8.07	
13 12 1954		2.60	2	24 3 1964		3.57	
16 1 1955		6.51	9	20 4 1965		0.40	
22 1 1955		3.31		29 11 1965		3.68	
28 5 1955		4.98		2 12 1965		2.38	
23 1 1956		5.04		5 12 1965		5.04	
26 1 1956		2.80		9 12 1965		6.65	
31 1 1956		4.53		17 12 1965		3.11	
2 10 1956		2.46		23 12 1965		3.40	
16 12 1956		4.53	2	1 1 1966		2.29	
28 12 1956		6.43		10 2 1966		5.89	
5 2 1957		3.40		20 2 1966		3.60	
12 2 1957		4.67		26 2 1966		3.31	
3 11 1957		2.63		19 4 1966		3.11	
13 12 1957		5.66		22 10 1966		2.83	
5 1 1958		3.26		10 12 1966		8.35	
24 2 1958		5.80		29 12 1966		4.10	
28 2 1958		3.11		31 12 1966		3.20	
27 6 1958		9.00		26 1 1967		2.35	
2 7 1958		8.29		28 1 1967		2.55	
23 9 1958		3.96		20 2 1967		3.82	
29 9 1958		3.91		27 2 1967		5.10	
5 10 1958		4.56		6 5 1967		2.32	
13 10 1958		3.82		2 11 1967		2.72	
2 11 1958		7.30		4 11 1967		3.11	
9 12 1958		2.46		19 12 1967		2.26	
14 12 1958		6.37		25 12 1967		2.49	
19 12 1958		2.55		5 1 1968		2.43	
7 1 1959		8.63		14 1 1968		6.37	
20 1 1959		4.81		16 9 1968		8.44	
5 3 1959		2.26		8 10 1968		2.60	
26 12 1959		4.81		17 12 1968		8.49	
24 1 1960		5.52		22 12 1968		3.96	
25 2 1960		3.37		13 1 1969		3.96	
9 10 1960		6.71		28 1 1969		3.51	
RECORDS FOR 1950-1951				21 2 1969		3.65	
				13 3 1969		7.16	

FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM

38003

MIMRAM AT PANSHANGER

GRID REF TL282132 AREA 134.8 SQ.KM
 PERIOD OF RECORD 1 12 1952 TO 30 9 1969

LC THRESHOLD 1.30 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 2 1953		1.22		13 6 1964		1.39	
12 6 1954		1.08		17 6 1964		1.47	
17 5 1955		1.25		19 6 1964		1.46	
19 10 1955		1.49		21 7 1964		1.78	
6 9 1956		1.33		3 9 1965		1.08	
16 12 1956		1.33		11 5 1966		1.50	
19 7 1957		1.44		10 6 1966		2.38	
26 6 1958		1.70	2	22 6 1966		3.06	
13 12 1958		1.50		21 8 1966		3.09	
10 7 1959		1.39		29 8 1966		1.36	
16 9 1960		1.16		10 12 1966		1.33	
22 11 1960		1.67		27 2 1967		1.59	
4 12 1960		1.61		9 3 1967		1.36	
20 12 1960		1.63		10 4 1967		1.78	
26 12 1960		1.70		5 5 1967		1.42	
27 2 1961		1.90		25 6 1967		2.58	
27 4 1961		1.78		17 7 1967		1.33	
2 5 1961		1.67		22 7 1967		2.19	
12 6 1961		1.66		16 10 1967		1.49	
21 1 1962		1.47		2 11 1967		1.34	
8 4 1962		1.39		4 5 1968		1.44	
6 7 1963		1.68		10 7 1968		1.34	
16 4 1964		1.30		14 7 1968		1.53	
21 4 1964		1.53		15 9 1968		3.54	
1 6 1964		1.50		1 11 1968		1.39	
4 6 1964		1.67		17 12 1968		1.50	
				28 1 1969		1.70	
				20 2 1969		1.64	
				12 3 1969		1.87	
				6 5 1969		1.73	
				23 6 1969		1.33	
				2 8 1969		2.21	

38004

RIR AT WADESMILL

GRID REF TL360174 AREA 136.5 SQ.KM
 PERIOD OF RECORD 30 4 1959 TO 30 9 1969

LC THRESHOLD 5.60 GRADE A2
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 12 1959	1.12	8.31		29 11 1963	1.12	8.31	
24 1 1960	1.21	9.90		28 1 1964	1.23	10.18	
25 2 1960	0.97	5.98		15 3 1964	1.41	13.87	
9 10 1960	1.37	12.88		21 4 1964	1.14	8.57	
20 10 1960	0.97	5.98		4 9 1965	0.74	3.15	
22 10 1960	0.97	5.98		29 11 1965	1.18	9.35	
26 10 1960	1.06	7.34		2 12 1965	1.00	6.43	
29 10 1960	1.28	11.04		5 12 1965	1.20	9.62	
2 11 1960	1.37	12.88		9 12 1965	1.26	10.75	
22 11 1960	1.17	9.09		17 12 1965	1.00	6.43	
25 11 1960	1.29	11.34		23 12 1965	1.11	8.06	
4 12 1960	1.46	14.89		10 2 1966	1.23	10.18	
20 12 1960	1.55	17.05		20 2 1966	1.06	7.34	
28 1 1961	1.18	9.35		26 2 1966	1.32	11.94	
2 2 1961	1.15	8.82		23 10 1966	1.00	6.43	
27 2 1961	1.37	12.88		10 12 1966	1.67	20.19	
6 1 1962	1.15	8.82		20 2 1967	1.05	7.11	
10 1 1962	1.11	8.06		27 2 1967	1.03	6.88	
22 1 1962	1.28	11.04		6 5 1967	1.02	6.65	
5 3 1963	1.18	9.35		2 11 1967	1.03	6.88	
9 3 1963	1.31	11.64		14 1 1968	1.26	10.75	
18 11 1963	1.34	12.25		9 8 1968	0.97	5.98	
				16 9 1968	3.01	42.50	8 4

38004 RIB AT WADESMILL

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 12 1968	1.21	9.90		16 1 1969	1.02	6.65	
22 12 1968	1.15	8.82		28 1 1969	1.12	8.31	
13 1 1969	1.12	8.31		21 2 1969	1.06	7.34	
				13 3 1969	1.52	16.31	

38007 CANONS BROOK AT ELIZABETH WAY HARLOW

GRID REF TL431103 AREA 21.37 SQ.KM
 PERIOD OF RECORD 1 10 1950 TO 30 9 1969

LC THRESHOLD 3.20 GRADE A1 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
20 11 1950		3.71		30 10 1960		7.59	
4 2 1951		4.02		1 11 1960		5.38	
8 2 1951		4.44		25 11 1960		6.94	
14 2 1951		3.74		4 12 1960		10.62	
17 2 1951		3.96		27 2 1961		6.23	
20 2 1951		3.45					
24 2 1951		3.82		21 1 1962		5.46	
13 3 1951		4.02					
9 4 1951		3.79		31 8 1963		3.17	
9 3 1952		3.31		18 11 1963		4.53	
10 2 1953		3.40		14 3 1964		5.86	
3 3 1954		4.02		21 7 1964		8.49	5
9 12 1954		4.59		20 7 1965		6.09	
16 1 1955		3.91		18 11 1965		3.82	
8 7 1956		2.12		5 12 1965		3.91	
1 10 1956		4.81		9 12 1965		6.23	
28 12 1956		3.91		19 4 1966		5.63	
5 2 1957		3.91		22 6 1966		7.93	
12 12 1957		3.62		29 8 1966		3.54	
5 1 1958		3.60		4 9 1966		3.82	
24 2 1958		3.68		22 10 1966		3.65	
26 6 1958		10.19		10 12 1966		3.85	
1 7 1958		14.16	5	27 2 1967		4.05	
5 9 1958		4.36		10 4 1967		3.74	
23 9 1958		7.79		14 5 1967		3.26	
2 11 1958		5.46		25 6 1967		4.39	
13 12 1958		3.34		17 7 1967		4.02	
20 1 1959		3.96		16 10 1967		5.24	
10 7 1959		3.62		27 10 1967		3.40	
16 9 1960		5.38		14 1 1968		4.81	
19 9 1960		8.49		10 7 1968		3.96	
9 10 1960		7.02		14 7 1968		7.50	
26 10 1960		3.26		8 10 1968		6.79	
29 10 1960		3.65		28 10 1968		4.81	
				17 12 1968		9.40	
				12 3 1969		6.23	
				29 7 1969		4.95	
				3 8 1969		10.62	

38011 MIMRAM AT FULLING MILL

GRID REF TL225169 AREA 98.7 SQ.KM
 PERIOD OF RECORD 1 10 1957 TO 30 9 1969

LC ANNUAL MAXIMA GRADE A2

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 6 1958		0.33		21 4 1964		0.32	
5 3 1959		0.45		3 4 1965		0.11	
29 3 1960		0.23		23 6 1966		0.44	
28 2 1961		0.55		27 2 1967		0.44	
21 1 1962		0.36		16 9 1968		0.65	2
31 3 1963		0.33		13 3 1969		0.61	

38013

UPPER LEE AT LUTON HOO

GRID REF TL118185 AREA 70.7 SQ.KM
 PERIOD OF RECORD 1 10 1960 TO 30 9 1969

LC
 ANNUAL MAXIMA

GRADE B

DATE	LEVEL	DISCHARGE	NOTE
4 12 1960		2.46	
ALL VALUES READ ARE ANNOTATED ON CHART			
26 7 1962		1.93	
6 7 1963		1.33	
18 11 1963		1.78	

DATE	LEVEL	DISCHARGE	NOTE
26 9 1965		0.37	
22 6 1966		3.65	
25 6 1967		3.68	
15 9 1968		6.80	
12 3 1969		2.32	

38207

PYMMES BROOK AT EDHONTON

GRID REF TQ340925 AREA 41. SQ.KM
 PERIOD OF RECORD 7 4 1954 TO 30 9 1969

LC
 THRESHOLD 11.80 CUMECs

GRADE B

DATE	LEVEL	DISCHARGE	NOTE
12 6 1954	1.64	26.63	
9 8 1954	1.15	13.78	
23 10 1954	1.12	13.24	
12 12 1954	1.15	13.91	
27 5 1955	1.27	16.52	
13 8 1955	1.11	12.98	
5 10 1955	1.18	14.60	
19 10 1955	1.58	24.84	

DATE	LEVEL	DISCHARGE	NOTE
11 6 1956	1.11	12.91	
8 7 1956	1.92	35.41	
19 7 1956	1.16	14.05	
6 8 1956	1.64	26.63	
29 8 1956	1.47	21.67	
1 9 1956	1.18	14.60	
1 10 1956	1.49	22.26	
2 10 1956	1.10	12.78	
11 2 1957	1.11	12.98	

38807

PYMMES BROOK AT EDMONTON

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
12 8 1957	1.16	14.12		20 4 1964	1.34	18.40	
2 11 1957	1.09	12.50		1 6 1964	1.31	17.48	
3 11 1957	1.27	16.59		4 6 1964	1.10	12.72	
5 1 1958	1.23	15.72		12 6 1964	1.16	14.12	
24 2 1958	1.22	15.51		17 6 1964	1.27	16.52	
26 5 1958	1.10	12.85		12 7 1964	1.36	18.86	
29 5 1958	1.12	13.24		21 7 1964	1.98	37.52	
2 6 1958	1.53	23.27		17 6 1965	1.20	15.01	
22 6 1958	1.10	12.72		20 7 1965	2.04	39.68	
26 6 1958	1.19	14.80		23 7 1965	1.13	13.44	
19 9 1958	1.14	13.51		25 7 1965	1.25	16.15	
23 9 1958	1.52	23.10		22 8 1965	1.38	19.41	
29 9 1958	1.10	12.72		3 9 1965	1.12	13.11	
10 7 1959	1.14	13.58		8 9 1965	1.12	13.24	
22 8 1959	1.15	13.91		19 4 1966	1.13	13.44	
26 10 1959	1.35	18.63		22 6 1966	1.74	29.82	
1 9 1960	1.31	17.48		5 7 1966	1.76	30.39	
19 9 1960	1.49	22.42		29 8 1966	1.27	16.59	
26 10 1960	1.09	12.59		30 8 1966	1.46	21.59	
30 10 1960	1.34	18.24		10 4 1967	1.16	14.05	
1 11 1960	1.14	13.51		23 6 1967	1.16	14.05	
25 11 1960	1.11	13.05		25 6 1967	1.60	25.55	
4 12 1960	1.32	17.94		3 10 1967	1.24	15.87	
4 5 1961	1.20	14.87		16 10 1967	1.15	13.91	
12 6 1961	1.09	12.59		17 4 1968	1.15	13.91	
13 9 1961	1.14	13.51		11 5 1968	1.12	13.11	
13 9 1961	1.10	12.72		20 6 1968	1.25	16.15	
21 1 1962	1.10	12.78	2	28 6 1968	1.12	13.11	
21 7 1962	1.31	17.63		14 7 1968	1.20	14.87	
26 7 1962	1.26	16.30		15 9 1968	1.12	13.24	
29 9 1962	1.16	14.12		16 9 1968	1.31	17.71	
1 10 1962	1.28	16.96		23 9 1968	1.17	14.18	
18 11 1963	1.30	17.33		8 10 1968	1.14	13.64	
18 11 1963	1.33	18.09		1 11 1968	1.32	17.94	
16 4 1964	1.26	16.30		17 12 1968	1.49	22.26	
				29 7 1969	1.15	13.78	
				2 8 1969	1.67	27.55	

39001

THAMES AT TEDDINGTON (MEAN DAILY FLOWS)

GRID REF	TQ170713	AREA	9868.8 Q. KM	TC	GRADE	A2	
PERIOD OF RECORD	1 1 1883 TO	30 9 1971		THRESHOLD	200.00	CUMECs	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
3 1 1883		292.04		1 2 1891		171.33	
18 1 1883		205.22		25 10 1891		339.40	
16 2 1883		510.57		13 11 1891		281.52	
27 11 1883		224.11		18 12 1891		273.57	
3 2 1884		230.95		1 1 1892		236.11	
6 3 1884		206.53		2 11 1892		228.00	
18 2 1885		229.53		18 11 1892		224.06	
7 12 1885		244.21		28 2 1893		299.72	
19 1 1886		239.95		19 2 1894		173.22	
1 2 1886		233.90		2 11 1894		271.78	
19 12 1886		234.05		18 11 1894		1064.00	
14 1 1887		283.78		17 12 1894		282.99	
28 3 1888		207.59		26 1 1895		304.20	
2 12 1888		210.48		24 3 1896		201.64	
16 2 1889		228.53		6 12 1896		230.95	
10 3 1889		237.42		11 1 1897		252.37	
30 1 1890		204.53		7 2 1897		350.87	
				5 3 1897		250.84	
				18 3 1897		239.63	

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THAMES AT TEDDINGTON (MEAN DAILY FLOWS)

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
2 1 1898		171.38		26 12 1916		326.82	
22 1 1899		204.43		13 1 1917		233.63	
14 2 1899		262.10		21 10 1917		212.85	
21 2 1900		533.30		23 1 1918		350.55	
1 3 1900		318.25		23 4 1918		279.25	
13 4 1901		200.48		3 1 1919		244.63	
31 12 1901		162.17		23 1 1919		248.31	
7 5 1903		230.74		21 2 1919		316.04	
21 6 1903		385.97		8 3 1919		334.24	
14 10 1903		265.94		16 4 1919		201.64	
30 10 1903		343.56		1 1 1920		211.01	
1 12 1903		286.52		13 1 1920		225.58	
13 12 1903		287.73		1 2 1920		250.84	
15 2 1904		516.57		14 4 1920		244.26	
17 3 1905		229.48		5 1 1921		240.00	
18 1 1906		249.05		10 3 1922		197.80	
19 2 1906		227.69		9 1 1923		209.27	
3 1 1907		219.69		28 2 1923		228.58	
29 11 1907		208.32		14 3 1923		208.27	
17 12 1907		375.65		14 4 1923		231.37	
10 1 1908		258.52		2 1 1924		201.96	
2 5 1908		331.98		26 1 1924		297.57	
8 3 1909		203.85		6 6 1924		262.47	
30 10 1909		217.58		3 11 1924		276.20	
6 12 1909		203.80		14 11 1924		200.43	
24 12 1909		229.05		4 12 1924		238.58	
30 1 1910		221.85		18 12 1924		251.47	
26 2 1910		230.79		4 1 1925		521.88	
18 12 1910		427.96		15 2 1925		332.40	
13 1 1911		230.69		28 2 1925		386.34	
24 12 1911		270.99		26 10 1925		221.85	
10 1 1912		214.06		9 11 1925		222.27	
27 1 1912		366.76		24 12 1925		234.63	
14 2 1912		215.64		8 1 1926		369.92	
6 3 1912		236.47		25 1 1926		277.10	
24 3 1912		244.00		10 2 1926		283.20	
17 12 1912		201.85		21 2 1926		255.89	
29 12 1912		233.58		22 11 1926		244.05	
24 1 1913		255.26		4 2 1927		289.78	
6 5 1913		214.64		2 3 1927		374.65	
24 2 1914		211.48		27 3 1927		250.00	
11 3 1914		256.36		11 4 1927		260.63	
16 12 1914		249.47		25 9 1927		252.63	
5 1 1915		585.08		22 11 1927		206.90	
19 2 1915		348.50		1 12 1927		341.61	
20 5 1915		237.21		27 12 1927		454.16	
3 11 1915		211.11		7 1 1928		526.15	
14 11 1915		226.58		2 4 1928		215.27	
8 12 1915		266.68		30 12 1928		234.84	
7 1 1916		269.68		13 12 1929		551.93	
6 2 1916		242.79		31 12 1929		342.50	
16 2 1916		251.68		3 2 1930		296.83	
4 3 1916		342.45		1 12 1930		228.32	
29 3 1916		373.50		13 12 1930		223.43	
9 11 1916		320.25		1 1 1931		224.32	
21 11 1916		229.47		12 1 1932		255.89	
				5 5 1932		248.00	
				25 5 1932		274.41	
				25 10 1932		255.52	
				28 2 1933		478.53	

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THAMES AT TEDDINGTON (MEAN DAILY FLOWS)

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
20 3 1933		294.51		21 2 1951		372.65	
16 3 1934		94.56		9 3 1951		226.27	
1 3 1935		227.32		21 3 1951		319.46	
19 11 1935		315.46		10 4 1951		336.61	
2 1 1936		478.21		20 11 1951		376.76	
30 1 1936		330.19		30 12 1951		275.31	
20 2 1936		275.68		10 3 1952		241.79	
14 11 1936		216.53		1 12 1952		252.37	
16 12 1936		268.26		22 12 1952		263.26	
3 1 1937		213.48		8 1 1953		202.38	
25 1 1937		437.80		11 2 1953		229.05	
8 2 1937		394.07		3 11 1953		215.48	
28 2 1937		365.39		20 2 1954		223.16	
18 3 1937		410.07		14 6 1954		231.00	
4 4 1937		201.48		1 12 1954		452.69	
18 4 1937		236.00		18 1 1955		374.86	
15 12 1937		247.42		6 2 1955		201.06	
18 1 1938		230.05		1 2 1956		315.61	
17 12 1938		200.22		1 1 1957		267.52	
30 12 1938		238.89		9 2 1957		314.14	
1 2 1939		369.45		26 2 1957		215.32	
8 4 1939		214.22		6 11 1957		247.63	
28 11 1939		272.68		14 12 1957		227.27	
10 12 1939		260.31		7 1 1958		229.00	
29 1 1940		253.42		30 1 1958		251.79	
9 2 1940		409.54		26 2 1958		316.61	
21 2 1940		253.31		6 10 1958		268.63	
20 3 1940		253.79		4 11 1958		297.46	
19 11 1940		383.92		15 12 1958		266.84	
29 1 1941		276.83		8 1 1959		283.36	
18 2 1941		241.37		23 1 1959		374.76	
9 3 1941		341.98		6 3 1959		236.53	
4 4 1941		243.63		28 12 1959		223.58	
11 6 1941		227.27		25 1 1960		307.83	
26 1 1942		298.30		28 2 1960		232.95	
5 2 1942		296.04		11 10 1960		248.58	
15 1 1943		311.41		4 11 1960		455.90	
2 2 1943		456.95		6 12 1960		401.12	
24 1 1944		115.13		4 1 1961		283.10	
19 11 1944		242.53		31 1 1961		377.71	
19 12 1944		260.89		1 3 1961		327.56	
2 2 1945		234.11		23 1 1962		344.24	
13 2 1945		249.47		11 3 1963		285.57	
30 12 1945		256.63		30 3 1963		203.64	
12 1 1946		209.48		20 11 1963		344.03	
5 2 1946		215.11		30 11 1963		215.85	
4 12 1946		359.50		16 3 1964		369.29	
14 1 1947		250.05		21 4 1964		203.48	
5 2 1947		248.16		26 9 1965		131.55	
20 3 1947		714.16		30 11 1965		215.58	
31 1 1948		227.42		10 12 1965		235.95	
3 1 1949		298.78		24 12 1965		265.26	
27 10 1949		209.43		2 1 1966		273.68	
4 2 1950		324.24		11 2 1966		299.67	
14 2 1950		297.57		26 2 1966		323.67	
22 11 1950		313.56		20 4 1966		310.77	
7 1 1951		367.23		24 10 1966		269.99	
6 2 1951		384.81		12 12 1966		213.16	
				30 12 1966		221.48	
				27 1 1967		247.63	

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THAMES AT TEDDINGTON (MEAN DAILY FLOWS)

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 3 1967		307.51		18 1 1969		322.67	
10 3 1967		312.83		29 1 1969		237.11	
5 5 1967		206.48		24 2 1969		247.52	
				14 3 1969		332.82	
3 11 1967		287.88					
20 12 1967		261.79		24 1 1970		232.63	
15 1 1968		330.51		20 2 1970		223.00	
7 2 1968		224.21					
15 7 1968		227.53		20 11 1970		235.84	
17 9 1968		600.08		30 11 1970		246.00	
				27 1 1971		362.34	
12 10 1968		213.95		19 3 1971		305.62	
2 11 1968		253.84		26 4 1971		209.69	
1 12 1968		224.63		20 6 1971		334.98	
18 12 1968		369.34					

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THAMES AT DAYS WEIR (MEAN DAILY FLOWS)

GRID REF SU568935 AREA 3445. SQ.KM				TC THRESHOLD 100.00 GRADE A1 CUMECs			
PERIOD OF RECORD 1 10 1938 TO 30 9 1968							
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 12 1938		106.62		21 11 1951		117.78	
29 1 1939		255.30		11 3 1952		112.46	
8 4 1939		119.31					
				12 12 1952		100.20	
30 11 1939		134.07		23 12 1952		131.69	
12 12 1939		171.00					
29 1 1940		110.62		20 2 1954		95.35	
9 2 1940		260.12					
22 2 1940		116.42		1 12 1954		236.19	
21 3 1940		125.37		11 12 1954		210.70	
				23 1 1955		105.07	
19 11 1940		120.84					
26 1 1941		170.15		1 2 1956		125.43	
20 2 1941		104.67					
3 3 1941		109.40		1 1 1957		105.10	
11 3 1941		154.34		11 2 1957		149.59	
				25 2 1957		100.20	
27 1 1942		146.44					
7 2 1942		132.99		7 1 1958		102.89	
				31 1 1958		152.76	
15 1 1943		117.10		12 2 1958		109.40	
4 2 1943		202.26		27 2 1958		139.33	
11 2 1943		100.62					
				7 10 1958		121.78	
25 1 1944		36.22		5 11 1958		166.97	
				21 12 1958		106.09	
14 2 1945		113.08		10 1 1959		181.73	
				24 1 1959		248.62	
31 12 1945		111.24					
				30 1 1960		179.10	
1 12 1946		234.40					
13 12 1946		103.28		3 11 1960		175.87	
17 3 1947		349.19		8 12 1960		205.60	
2 4 1947		163.83		23 12 1960		137.35	
				13 1 1961		142.17	
31 1 1948		94.02		31 1 1961		123.47	
				1 3 1961		119.79	
16 12 1948		101.07					
3 1 1949		110.62		14 1 1962		137.92	
				24 1 1962		120.64	
6 2 1950		132.99					
16 2 1950		186.20		12 3 1963		110.73	
24 11 1950		157.49		21 11 1963		134.24	
9 1 1951		196.48		21 3 1964		113.85	
6 2 1951		124.41					
21 2 1951		135.37		27 3 1965		53.23	
28 2 1951		106.20					
25 3 1951		154.34		24 12 1965		116.96	
11 4 1951		186.46		3 1 1966		111.86	
				28 2 1966		129.71	
14 11 1951		142.22		20 4 1966		109.32	

.39002 THAMES AT DAYS WEIR (MEAN DAILY FLOWS)

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 3 1967		115.26		7 1 1968		100.25	
11 3 1967		111.30		17 1 1968		160.57	
				14 7 1968		188.61	

39003 WANDLE AT CONNOLLYS MILL

GRID REF TQ266706 AREA 176.1 SQ.KM GLC THRESHOLD 4.90 GRADE A1
 PERIOD OF RECORD 22 12 1938 TO 31 12 1969
 SIGNIFICANT GAPS 3 1 1957 TO 26 9 1962 4 6 1969 TO 11 6 1969

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
16 1 1939		6.71		25 12 1947		4.85	
20 1 1939		5.56					
25 1 1939		5.42		30 12 1948		5.25	
28 2 1939		5.65					
30 4 1939		5.06		23 10 1949		7.07	
16 5 1939		6.12		26 10 1949		12.86	
				1 2 1950		5.18	
11 10 1939		5.28		3 2 1950		10.43	
14 10 1939		7.68		26 4 1950		5.60	
15 10 1939		7.68		3 7 1950		6.12	
27 11 1939		5.79		SPIKE ON PEAK IGNORED			
27 1 1940		6.78					
4 2 1940		6.22		20 11 1950		11.12	
14 3 1940		6.12		4 2 1951		7.17	
18 3 1940		5.42		9 2 1951		7.89	
26 3 1940		7.82		14 2 1951		6.03	
22 5 1940		5.70		17 2 1951		5.18	
				18 2 1951		5.32	
31 10 1940		6.01		20 2 1951		7.68	
3 11 1940		6.59		25 2 1951		5.13	
11 11 1940		5.65		13 3 1951		5.42	
13 11 1940		6.12		19 3 1951		5.53	
17 11 1940		5.89		9 4 1951		6.38	
18 11 1940		6.59		13 4 1951		5.30	
7 3 1941		4.95		27 5 1951		5.75	
28 3 1941		5.23		22 7 1951		5.39	
9 6 1941		5.60		27 9 1951		6.12	
6 12 1941		5.18		17 11 1951		6.66	
				27 12 1951		5.18	
26 10 1942		6.45		11 2 1952		5.06	
1 11 1942		4.95		4 5 1952		6.97	
7 1 1943		5.09					
14 1 1943		7.49		1 5 1953		4.99	
31 1 1943		6.59					
1 2 1943		5.30		13 10 1953		5.53	
10 2 1943		5.51		27 10 1953		5.13	
7 5 1943		5.18		1 11 1953		7.35	
				11 6 1954		5.46	
19 12 1943		6.36					
3 7 1944		5.18		8 12 1954		6.01	
SPIKE ON PEAK IGNORED				SPIKE ON PEAK IGNORED			
20 8 1944		4.99		11 1 1955		4.95	
				16 1 1955		5.18	
17 11 1944		5.18		17 5 1955		4.95	
26 3 1945		5.20		26 5 1955		5.18	
21 5 1945		7.68					
				19 10 1955		5.60	
26 2 1946		5.23		10 1 1956		5.42	
27 2 1946		7.91		8 7 1956		9.07	
29 4 1946		5.18		20 7 1956		8.01	
8 5 1946		8.71					
26 5 1946		11.04		12 8 1957		6.36	
17 8 1946		4.95		PEAK TAKEN FROM WATER YEARBOOK			
10 3 1947		6.48		27 6 1958		7.43	
13 3 1947		5.18					
30 3 1947		5.79		13 10 1958		5.54	
23 4 1947		5.13		PEAK TAKEN FROM WATER YEARBOOK			
27 6 1947		7.14					
				9 3 1963		6.00	

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WANDLE AT CONNOLLYS MILL

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
16 4 1964		6.51		28 8 1968		5.10	
SPIKE ON PEAK IGNORED				16 9 1968		56.00	
21 4 1964		6.23		2 10 1968		5.66	
1 6 1964		7.02		12 10 1968		5.32	
3 9 1965		12.60		28 10 1968		6.14	
20 11 1965		7.08		2 11 1968		6.00	
29 8 1966		9.63		17 12 1968		12.60	
9 4 1967		5.04		21 12 1968		6.37	
4 5 1967		6.00		24 12 1968		5.15	
25 6 1967		10.16		13 1 1969		5.46	
22 7 1967		5.24		17 1 1969		5.55	
11 1 1968		5.04		28 1 1969		5.18	
3 5 1968		6.23		20 2 1969		6.23	
13 5 1968		6.17		10 3 1969		5.95	
16 5 1968		7.93		12 3 1969		5.80	
11 7 1968		5.29		12 3 1969		6.23	
14 7 1968		6.00		6 7 1969		7.64	
16 8 1968		5.66		29 7 1969		7.79	
17 8 1968		5.32		2 8 1969		11.04	
RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM							
1959-1960	1960-1961	1961-1962		12 11 1969		5.66	
				14 12 1969		8.44	

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WANDLE AT BEDDINGTON

GRID REF	TQ297655	AREA	121.7 SQ. KM	GLC	GRADE	A1
PERIOD OF RECORD	29 12 1938 TO	31 12 1969		THRESHOLD	1.83 CUMECs	
SIGNIFICANT GAPS						
18 4 1946 TO	10 10 1946	1 7 1957 TO	13 7 1957	13 7 1957 TO	11 8 1957	
13 8 1957 TO	31 8 1957	4 11 1957 TO	30 11 1957	1 6 1958 TO	25 6 1958	
27 6 1958 TO	15 7 1958	17 7 1958 TO	27 8 1958	29 8 1958 TO	4 9 1958	
6 9 1958 TO	30 9 1958	4 5 1959 TO	31 5 1959	1 12 1959 TO	25 12 1959	
27 12 1959 TO	22 1 1960	24 1 1960 TO	31 1 1960	5 5 1961 TO	31 5 1961	
24 6 1964 TO	3 12 1964					

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
15 1 1939		2.64		20 8 1944		2.43	
APPARENT RESPONSE CHANGE ABOUT 1965							
28 4 1939		1.93		24 8 1944		2.45	
15 5 1939		2.57		16 11 1944		1.84	
4 8 1939		2.50		21 5 1945		2.40	
4 8 1939		2.38		10 7 1945		1.93	
21 8 1939		2.45		14 7 1945		2.36	
2 9 1939		2.26		26 7 1945		2.38	
11 10 1939		2.10		25 10 1945		1.91	
13 10 1939		2.68		2 12 1946		1.84	
15 10 1939		1.98		10 3 1947		1.98	
3 12 1939		2.36		23 4 1947		2.07	
13 3 1940		1.93		27 6 1947		2.54	
13 11 1940		1.91		17 9 1947		2.10	
17 11 1940		2.10		6 8 1948		2.07	
28 3 1941		1.91		12 9 1948		1.95	
9 6 1941		2.36		30 12 1948		1.84	
26 7 1941		2.38		19 10 1949		2.03	
11 11 1941		1.93		23 10 1949		2.45	
6 12 1941		2.26		26 10 1949		2.26	
30 6 1942		2.36		20 11 1950		2.64	
20 10 1942		1.88		4 2 1951		1.91	
25 10 1942		1.88		18 2 1951		1.84	
29 10 1942		2.17		20 2 1951		2.19	
1 11 1942		2.26		24 5 1951		1.84	
5 12 1942		1.88		26 5 1951		2.00	
13 1 1943		2.21		22 7 1951		2.54	
27 6 1944		3.13	6	1 9 1951		1.86	
3 7 1944		2.92	6				

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WANDLE AT BEDDINGTON

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 11 1951		2.36		22 7 1967		3.03	
27 7 1953		1.86		16 8 1967		1.98	
19 9 1953		3.01		19 8 1967		2.19	
12 10 1953		2.52		3 10 1967		2.05	
31 10 1953		2.43		16 10 1967		2.12	
12 6 1954		2.07		21 10 1967		2.26	
8 12 1954		1.86		27 10 1967		2.19	
14 7 1955		1.86		1 11 1967		2.83	
8 7 1956		2.78		5 2 1968		2.34	
19 7 1956		2.68		2 4 1968		1.98	
9 9 1956		2.14		17 4 1968		3.11	
14 7 1957		1.89		4 5 1968		2.90	
81X YEARS TAKEN FROM WATER YEAR BOOK				13 5 1968		2.34	
12 8 1957		1.96		18 5 1968		2.83	
3 11 1957		2.03		28 6 1968		1.84	
16 7 1958		1.96		9 7 1968		2.26	
28 8 1958		1.89		10 7 1968		2.97	
5 9 1958		2.19		14 7 1968		3.40	
3 5 1959		1.84		22 7 1968		2.55	
23 1 1960		2.18		7 8 1968		2.55	
4 5 1961		2.46		16 8 1968		2.55	
29 9 1962		1.70		17 8 1968		2.83	
1 6 1964		1.95		28 8 1968		3.89	
7 7 1965		1.90		28 8 1968		2.05	
2 9 1965		2.34		1 9 1968		2.41	
3 9 1965		3.68		10 9 1968		2.76	
8 9 1965		1.90		14 9 1968		4.39	
20 11 1965		2.05		15 9 1968		5.73	
28 11 1965		2.43		15 9 1968		4.25	
1 1 1966		2.12		15 9 1968		2.69	
22 6 1966		3.00		16 9 1968		2.26	
19 7 1966		2.12		16 9 1968		2.43	
29 8 1966		2.05		28 9 1968		1.87	
3 10 1966		2.48		9 10 1968		3.40	
14 10 1966		2.15		11 10 1968		2.90	
18 10 1966		1.87		28 10 1968		2.12	
22 10 1966		2.12		31 10 1968		2.55	
9 4 1967		1.91		1 11 1968		1.98	
30 5 1967		2.34		15 12 1968		2.04	
23 6 1967		2.72		17 12 1968		4.32	
25 6 1967		3.85		21 12 1968		2.55	
RECORDS FOR 1945-1946				15 1 1969		1.90	
FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM				28 1 1969		2.12	
1962-1963				20 2 1969		1.98	
1964-1965				11 3 1969		1.84	
				24 5 1969		2.70	
				6 7 1969		3.89	
				9 7 1969		1.98	
				29 7 1969		3.89	
				2 8 1969		4.46	
				12 11 1969		2.41	
				16 11 1969		1.91	
				14 12 1969		2.48	

39005

BEVERLEY BROOK AT WIMBLEDON COMMON

GRID REF	TQ216717	AREA	43.5 SQ.KM	GLC	GRADE	A1	
PERIOD OF RECORD	27 9 1962 TO	31 12 1969		THRESHOLD	7.08	CUMECs	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
24 9 1963		7.55		13 6 1964		10.37	
15 3 1964		7.41		21 7 1964		14.91	
16 4 1964		9.56		18 8 1964		9.41	
20 4 1964		12.01		3 9 1965		5.36	
31 5 1964		7.36		28 11 1965		9.15	
1 6 1964		12.48		2 1 1966		8.14	
12 6 1964		8.97		10 2 1966		7.53	

39005

BEVERLEY BROOK AT WIMBLEDON COMMON

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
22 6 1966		9.91		22 7 1967		11.02	
19 7 1966		12.15		19 8 1967		9.15	
29 7 1966		8.61					
2 8 1966		7.83		18 5 1968		8.00	
6 8 1966		10.43		14 7 1968		7.99	
6 8 1966		8.38		14 9 1968		9.67	
11 8 1966		8.73		15 9 1968		21.00	
29 8 1966		8.92		BY-PASSING ON LEFT BANK			
29 8 1966		14.30		16 9 1968		15.69	
14 10 1966		7.22		1 11 1968		7.55	
23 10 1966		8.54		17 12 1968		14.17	
23 6 1967		8.07		6 7 1969		10.76	
25 6 1967		12.88		29 7 1969		9.23	
				2 8 1969		7.48	

39006

WINDRUSH AT NEWBRIDGE

GRID REF	SP402019	AREA	365. 8Q.KM	TC	GRADE	A1	
PERIOD OF RECORD	1 10 1950 TO	30 9 1969		ANNUAL MAXIMA			
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
9 4 1951	0.70	14.43		6 12 1960	0.90	23.12	
26 11 1951	0.64	12.55		12 1 1962	0.67	13.31	
20 12 1952	0.60	11.02		18 3 1963	0.58	10.12	
7 3 1954	0.53	8.43		20 11 1963	0.65	12.76	
30 11 1954	0.74	15.95		24 1 1965	0.48	6.73	
1 2 1956	0.60	11.02		20 12 1965	0.72	15.36	
9 2 1957	0.63	11.96		28 2 1967	0.64	12.44	
25 2 1958	0.70	14.66		15 1 1968	0.67	13.31	
23 1 1959	0.77	17.41		13 3 1969	0.61	11.37	
29 1 1960	0.70	14.43					

39007

BLACKWATER AT SWALLOWFIELD

GRID REF	SU731648	AREA	355. 8Q.KM	TC	GRADE	C	
PERIOD OF RECORD	14 10 1952 TO	30 9 1969		THRESHOLD	12.70	CUMECs	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 11 1952	1.46	16.80		9 10 1960	1.56	19.71	
				21 10 1960	1.40	15.26	
1 11 1953	1.38	14.88		27 10 1960	1.52	18.43	
				1 11 1960	1.53	18.85	
30 11 1954	1.58	20.13		17 11 1960	1.32	13.44	
8 12 1954	1.70	23.37	8	26 11 1960	1.49	17.60	
15 1 1955	1.59	20.36		4 12 1960	1.52	18.35	
4 2 1955	1.29	12.75		26 12 1960	1.38	14.88	
				2 1 1961	1.40	15.26	
14 12 1955	1.38	14.88		5 1 1961	1.34	13.79	
10 1 1956	1.32	13.44		30 1 1961	1.53	18.68	
23 1 1956	1.33	13.72		28 2 1961	1.49	17.60	
31 1 1956	1.56	19.45					
				6 1 1962	1.30	12.96	
1 10 1956	1.53	18.60		11 1 1962	1.43	16.17	
1 1 1957	1.44	16.25		17 1 1962	1.34	13.94	
8 2 1957	1.52	18.51		22 1 1962	1.55	19.28	
12 2 1957	1.43	16.17					
				10 3 1963	1.46	16.96	
5 11 1957	1.35	14.15		16 3 1963	1.40	15.26	
13 12 1957	1.32	13.44					
29 1 1958	1.41	15.63		18 11 1963	1.47	17.20	2
24 2 1958	1.43	16.02		LASHER IN PLACE, PEAK ESTIMATED			
5 4 1958	1.32	13.44		29 11 1963	1.35	14.01	
				15 3 1964	1.62	21.07	2
6 10 1958	1.37	14.52		19 3 1964	1.57	19.79	
3 11 1958	1.49	17.60		24 3 1964	1.44	16.41	
7 1 1959	1.41	15.63		15 6 1964	1.36	14.37	
22 1 1959	1.40	15.26					
5 3 1959	1.34	13.79		13 1 1965	1.24	11.56	
24 1 1960	1.49	17.60		29 11 1965	1.62	15.84	
				9 12 1965	1.56	14.08	

39007

BLACKWATER AT SWALLOWFIELD

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
19 12 1965	1.30	12.96		28 10 1967	1.29	12.82	
10 2 1966	1.55	19.28		2 11 1967	1.53	18.85	
21 2 1966	1.46	16.80		19 12 1967	1.39	15.11	
26 2 1966	1.56	19.45		14 1 1968	1.51	18.26	
16 4 1966	1.45	16.64		13 2 1968	1.31	13.23	
20 4 1966	1.46	16.96		17 9 1968	1.86	42.27	2
19 10 1966	1.31	13.30		8 10 1968	1.28	14.87	
23 10 1966	1.46	16.80		2 11 1968	1.37	21.02	
29 12 1966	1.36	14.37		18 12 1968	1.56	31.84	
26 1 1967	1.45	16.64		22 12 1968	1.48	29.07	
20 2 1967	1.40	15.26		25 12 1968	1.37	20.59	
28 2 1967	1.53	18.85		14 1 1969	1.53	30.80	
9 3 1967	1.53	18.68		18 1 1969	1.50	29.78	
4 5 1967	1.42	15.86		28 1 1969	1.34	18.53	
14 5 1967	1.37	14.66		21 2 1969	1.38	21.69	
17 10 1967	1.49	17.52	2	13 3 1969	1.51	30.08	

39008

THAMES AT EYNESHAM (MEAN DAILY FLOWS)

GRID REF SP445087 AREA 1616.8 Q.KM
 PERIOD OF RECORD 1 10 1951 TO 30 9 1968

TC THRESHOLD 39.65 CUMECs GRADE A1

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 11 1951		67.66		16 2 1960		48.34	
30 12 1951		59.21		27 2 1960		43.72	
10 3 1952		61.60					
5 5 1952		46.76		29 10 1960		66.36	
23 11 1952		46.75		7 12 1960		83.08	
11 12 1952		36.24		21 12 1960		60.75	
21 12 1952		65.01		29 12 1960		62.05	
7 1 1953		40.09		10 1 1961		65.01	
11 2 1953		40.24		29 1 1961		65.85	
11 2 1954		41.05		26 2 1961		60.24	
19 2 1954		50.96		26 4 1961		41.06	
13 11 1954		40.93		31 12 1961		54.25	
30 11 1954		79.62		13 1 1962		68.62	
17 1 1955		64.52		22 1 1962		62.11	
5 6 1955		45.44		1 2 1962		42.05	
24 1 1956		47.74		7 3 1963		62.03	
1 2 1956		62.59		18 3 1963		65.68	
29 12 1956		48.78		21 11 1963		76.33	
6 1 1957		42.22		20 3 1964		64.72	
9 2 1957		65.44		18 1 1965		24.04	
25 2 1957		46.98		11 12 1965		60.75	
11 3 1957		43.36		21 12 1965		78.60	
21 3 1957		41.27		2 1 1966		63.53	
6 1 1958		49.23		26 1 1966		47.94	
30 1 1958		61.31		11 2 1966		60.32	
12 2 1958		60.23		27 2 1966		66.26	
25 2 1958		63.90		20 4 1966		61.45	
6 10 1958		58.43		20 10 1966		46.50	
4 11 1958		63.47		1 1 1967		43.00	
11 12 1958		41.25		21 2 1967		61.28	
21 12 1958		63.43		28 2 1967		65.86	
2 1 1959		61.16		10 3 1967		60.62	
9 1 1959		72.85		29 10 1967		57.96	
24 1 1959		81.90		6 11 1967		60.73	
4 3 1959		40.19		19 12 1967		51.77	
17 4 1959		63.23		6 1 1968		59.70	
21 12 1959		43.79		16 1 1968		73.43	
28 12 1959		45.60		13 7 1968		62.59	
30 1 1960		80.80		17 9 1968		40.16	

39010 COLNE AT DENHAM
 GRID REF TQ052864 AREA 743. SQ. KM TC GRADE B
 PERIOD OF RECORD 1 10 1952 TO 30 9 1969 ANNUAL MAXIMA
 SIGNIFICANT GAPS 1 10 1959 TO 20 1 1960

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
12 2 1953	0.32	9.35		22 1 1962	0.37	11.22	
31 10 1953	0.27	7.11		18 3 1963	0.24	5.96	
16 1 1955	0.31	8.58		18 6 1964	0.36	10.95	
31 1 1956	0.32	9.35		25 9 1965	0.21	5.09	
14 2 1957	0.35	10.68		19 4 1966	0.36	10.95	
29 9 1958	0.32	9.09		10 3 1967	0.37	11.22	
2 11 1958	0.42	13.80		14 1 1968	0.35	10.68	
4 12 1960	0.39	12.06		13 3 1969	0.42	13.80	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1959-1960

39011 WEY AT TILFORD
 GRID REF SU874434 AREA 396. SQ. KM TC GRADE E
 PERIOD OF RECORD 18 5 1954 TO 30 9 1969 THRESHOLD 22.60 CUMECs
 SIGNIFICANT GAPS 26 11 1956 TO 29 4 1959

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
29 11 1954	1.49	35.81		1 6 1964	1.09	28.96	
9 12 1954	2.11	57.65	2	14 6 1964	1.38	33.96	
12 12 1954	0.98	26.91		13 1 1965	0.60	19.43	
16 1 1955	1.54	36.55		29 11 1965	1.16	30.21	
19 10 1955	0.82	23.82		9 12 1965	1.19	30.69	
15 12 1955	0.86	24.71		19 12 1965	0.77	22.79	
31 1 1956	1.29	32.42		2 1 1966	0.89	25.30	
1 10 1956	0.85	24.53		10 2 1966	1.29	32.42	
7 12 1959	0.92	25.88		20 2 1966	1.16	30.15	
24 1 1960	1.44	34.97		26 2 1966	1.43	34.72	
26 2 1960	0.97	26.73		29 12 1966	0.85	24.42	
9 10 1960	1.76	40.05	8	23 1 1967	1.08	28.69	
21 10 1960	1.06	28.30		26 1 1967	1.07	28.52	
2 11 1960	1.43	34.72		20 2 1967	0.99	27.02	
17 11 1960	0.95	26.28		28 2 1967	1.42	34.62	
25 11 1960	1.02	27.58		9 3 1967	1.24	31.64	
4 12 1960	1.50	35.96		4 5 1967	1.17	30.31	
26 12 1960	0.91	25.53		17 10 1967	1.40	34.21	
2 1 1961	0.91	25.53		2 11 1967	1.03	27.86	
10 1 1961	0.76	22.73		14 1 1968	0.97	26.73	
30 1 1961	1.50	35.96		14 7 1968	1.32	32.94	
28 2 1961	1.11	29.24		16 9 1968	2.40	78.69	2
11 1 1962	1.06	28.41		8 10 1968	1.08	28.69	9
22 1 1962	1.39	34.11		12 10 1968	1.00	27.30	
30 9 1962	0.88	25.01		2 11 1968	1.34	33.19	
9 3 1963	1.37	33.70		30 11 1968	0.80	23.40	
19 11 1963	1.40	34.21		18 12 1968	1.49	35.81	
15 3 1964	1.43	34.72		22 12 1968	1.28	32.27	
19 3 1964	1.12	29.51		14 1 1969	1.46	35.22	
RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM 1956-1957 1957-1958 1958-1959				17 1 1969	1.24	31.64	
				28 1 1969	1.21	31.06	
				13 3 1969	1.22	31.27	

39012 HOGSMILL AT KINGSTON

GRID REF YQ182688 AREA 69.1 SQ.KM
 PERIOD OF RECORD 4 9 1958 TO 25 9 1969

TC THRESHOLD 9.60 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 9 1958		9.56		1 6 1964		11.33	
2 11 1958		6.97		21 7 1964		10.86	
7 8 1960		16.05		3 9 1965		12.27	
26 10 1960		12.15		28 11 1965		11.80	
30 10 1960		9.91		22 6 1966		11.09	
29 1 1961		10.86		24 6 1967		11.80	
27 2 1961		10.86		18 5 1968		13.69	
4 5 1961		12.51		15 9 1968		24.60	
26 7 1962		10.86		16 9 1968		12.51	
6 7 1963		7.55		17 12 1968		16.99	
20 4 1964		15.10		29 7 1969		9.44	
				2 8 1969		12.04	

39014 VER AT HANSTEADS

GRID REF YL151016 AREA 132. SQ.KM
 PERIOD OF RECORD 24 1 1957 TO 30 9 1969

TC ANNUAL MAXIMA GRADE E

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 6 1958	0.20	1.27		13 11 1964	0.13	0.70	
5 3 1959	0.25	1.83		25 2 1966	0.16	0.96	
24 1 1960	0.18	1.14		6 5 1967	0.23	1.58	
4 12 1960	0.31	2.47		15 9 1968	0.64	3.11	
22 1 1962	0.24	1.74		17 12 1968	0.46	2.12	
20 12 1962	0.19	1.19		SPIKE ON PEAK IGNORED			
18 11 1963	0.21	1.35					

39015 WHITEWATER AT LODGE FARM

GRID REF SU735524 AREA 44.6 SQ.KM
 PERIOD OF RECORD 30 9 1963 TO 30 9 1969

MWWC ANNUAL MAXIMA GRADE B

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 11 1963	0.26	0.97		4 5 1967	0.29	1.15	
2 8 1965	0.22	0.74		15 9 1968	0.35	1.47	
25 2 1966	0.28	1.09		17 12 1968	0.30	1.19	

39016 KENNET AT THEALE

GRID REF SU649708 AREA 1034. SQ.KM
 PERIOD OF RECORD 11 9 1961 TO 29 9 1969

TC THRESHOLD 22.00 GRADE D
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
31 12 1961	1.02	29.91		10 2 1966	1.02	29.76	
11 1 1962	1.01	29.47		22 2 1966	0.94	26.14	
22 1 1962	1.18	38.39		26 2 1966	1.25	42.09	
10 3 1963	1.02	29.76		16 4 1966	1.02	30.06	
16 3 1963	0.96	26.85		20 4 1966	0.94	26.14	
19 11 1963	1.23	40.90		23 4 1966	0.86	22.94	
15 3 1964	1.00	29.02	2	15 10 1966	0.92	25.43	
20 3 1964	1.08	33.11		19 10 1966	0.98	28.14	
18 6 1964	0.83	22.25		23 10 1966	0.98	28.00	
13 1 1965	0.71	19.28		23 1 1967	0.85	22.59	
29 11 1965	0.90	24.46		26 1 1967	0.93	25.57	
9 12 1965	0.93	25.85		21 2 1967	1.07	32.49	2
23 12 1965	0.85	22.59		28 2 1967	1.12	35.15	
1 1 1966	0.91	24.60		10 3 1967	1.19	38.72	
				17 10 1967	0.86	22.94	
				14 1 1968	1.09	33.58	
				5 2 1968	0.89	24.05	

39016 KENNET AT THEALE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 9 1968	1.16	37.25		8 1 1969	0.85	22.59	
29 10 1968	0.83	22.25		14 1 1969	1.04	30.81	
18 12 1968	1.12	35.15		18 1 1969	1.06	32.18	
22 12 1968	1.17	37.57		28 1 1969	0.83	22.25	
25 12 1968	1.05	31.42		22 2 1969	0.88	23.37	
				14 3 1969	1.24	41.58	

39017 RAV AT GRENDON UNDERWOOD

GRID REF SP680211 AREA 18.57 SQ.KM IH THRESHOLD 1.95 GRADE B
 PERIOD OF RECORD 20 9 1963 TO 6 7 1971 CUMECs
 SIGNIFICANT GAPS
 14 2 1967 TO 28 4 1967

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 11 1963	1.21	3.43		28 10 1967	0.98	2.00	
18 11 1963	1.80	7.58		19 12 1967	1.27	3.90	
19 11 1963	1.02	2.19		14 1 1968	1.57	6.10	
29 11 1963	1.22	3.57		10 7 1968	2.22	16.26	5
14 3 1964	1.37	4.81		16 9 1968	1.13	2.89	
19 3 1964	1.26	3.85		8 10 1968	1.01	2.14	
24 3 1964	1.14	2.99		1 11 1968	1.91	9.11	
21 7 1964	1.61	6.37		16 12 1968	1.01	2.18	
25 9 1965	1.09	2.65		22 12 1968	1.27	3.93	
5 12 1965	1.03	2.24		13 1 1969	0.99	2.06	
9 12 1965	1.07	2.50		17 1 1969	1.03	2.24	
23 12 1965	1.17	3.14		22 1 1969	1.20	3.38	
1 1 1966	1.03	2.28		11 2 1969	0.98	2.00	
20 2 1966	1.21	3.50		22 2 1969	1.00	2.09	
25 2 1966	1.09	2.61		13 3 1969	1.50	5.65	
19 4 1966	1.00	2.12		16 5 1969	1.75	7.16	
11 5 1966	1.46	5.33		11 3 1970	1.07	2.52	
14 10 1966	1.47	5.43		12 3 1970	1.00	2.11	
10 12 1966	1.49	5.57		25 4 1970	1.61	6.35	
				23 1 1971	1.15	3.03	
				31 1 1971	1.47	5.45	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM 1966-1967

39019 LAMBOURN AT SHAW

GRID REF SU470682 AREA 234. SQ.KM TC ANNUAL MAXIMA GRADE A1
 PERIOD OF RECORD 10 9 1962 TO 24 10 1969

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 8 1963	0.26	2.97		9 3 1967	0.34	4.40	
1 6 1964	0.28	3.18		5 2 1968	0.30	3.66	
16 10 1964	0.20	1.92		13 3 1969	0.33	4.17	
25 2 1966	0.29	3.39					

39020 COLN AT BIBURY

GRID REF SP122062 AREA 106.7 SQ.KM TC ANNUAL MAXIMA GRADE A1
 PERIOD OF RECORD 13 8 1963 TO 30 9 1969

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
22 11 1963	0.34	3.82		3 3 1967	0.33	3.56	
28 1 1965	0.21	1.82		17 1 1968	0.35	3.98	
22 12 1965	0.38	4.54		28 1 1969	0.32	3.35	

39023 WYE AT HEDSOR

GRID REF SU896867 AREA 137.3 SQ.KM
 PERIOD OF RECORD 27 11 1964 TO 30 9 1969

TC THRESHOLD 2.45 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE
26 2 1966	0.35	2.63	
22 6 1966	0.35	2.63	
SPIKE ON PEAK IGNORED			
27 2 1967	0.35	2.63	
10 4 1967	0.33	2.45	
25 6 1967	0.34	2.52	
SPIKE ON PEAK IGNORED			
23 7 1967	0.37	2.92	
16 10 1967	0.34	2.56	
30 10 1967	0.35	2.70	
SPIKE ON PEAK IGNORED			
18 4 1968	0.36	2.78	
SPIKE ON PEAK IGNORED			
29 4 1968	0.34	2.49	
SPIKE ON PEAK IGNORED			
4 5 1968	0.37	2.85	

DATE	LEVEL	DISCHARGE	NOTE
SPIKE ON PEAK IGNORED			
14 9 1968	0.34	2.49	
SPIKE ON PEAK IGNORED			
16 9 1968	0.37	2.92	
SPIKE ON PEAK IGNORED			
1 11 1968	0.35	2.63	
15 12 1968	0.35	2.67	
17 12 1968	0.34	2.49	
21 12 1968	0.35	2.63	
11 2 1969	0.34	2.56	
SPIKE ON PEAK IGNORED			
20 2 1969	0.34	2.49	
SPIKE ON PEAK IGNORED			
13 3 1969	0.36	2.78	
SPIKE ON PEAK IGNORED			
2 8 1969	0.37	2.85	
SPIKE ON PEAK IGNORED			

39031 LAMBOURN AT WELFORD

GRID REF SU411731 AREA 176.1 SQ.KM
 PERIOD OF RECORD 25 9 1962 TO 30 9 1969

TC ANNUAL MAXIMA GRADE A2

DATE	LEVEL	DISCHARGE	NOTE
2 5 1963	0.33	1.95	
7 6 1964	0.27	1.40	
20 5 1965	0.15	0.66	
19 4 1966	0.33	1.95	

DATE	LEVEL	DISCHARGE	NOTE
10 4 1967	0.39	2.95	
5 2 1968	0.35	2.25	
11 2 1969	0.39	2.80	

39033 WINTERBOURNE AT BAGNOR

GRID REF SU452695 AREA 49.2 SQ.KM
 PERIOD OF RECORD 1 10 1962 TO 30 9 1969

TC ANNUAL MAXIMA GRADE A1

DATE	LEVEL	DISCHARGE	NOTE
28 3 1963	0.08	0.28	
7 6 1964	0.09	0.30	
13 1 1965	0.04	0.09	
29 8 1966	0.10	0.40	

DATE	LEVEL	DISCHARGE	NOTE
9 3 1967	0.14	0.59	
5 2 1968	0.09	0.33	
12 3 1969	0.18	0.51	

39803 THE CUT AT PITTS WEIR BINFIELD

GRID REF SUB53713 AREA 49.2 SQ.KM
 PERIOD OF RECORD 16 7 1957 TO 30 9 1969

TC THRESHOLD 3.80 GRADE C
 CUMECS

SIGNIFICANT GAPS
 24 8 1960 TO 13 12 1960

DATE	LEVEL	DISCHARGE	NOTE
3 11 1957	0.50	4.75	
12 12 1957	0.50	4.75	
28 1 1958	0.51	5.08	
24 2 1958	0.50	4.75	
5 4 1958	0.57	6.33	
4 10 1958	0.55	5.95	
5 10 1958	0.57	6.56	
2 11 1958	0.62	7.90	
13 12 1958	0.62	7.81	
6 1 1959	0.50	4.75	
22 1 1959	0.48	4.42	
10 7 1959	0.57	6.56	
23 1 1960	0.55	6.02	

DATE	LEVEL	DISCHARGE	NOTE
29 1 1961	0.58	6.80	
27 2 1961	0.57	6.48	
21 1 1962	0.63	8.08	
26 7 1962	0.46	3.99	
9 3 1963	0.50	4.75	
2 7 1963	0.53	5.43	
17 11 1963	0.48	4.42	
18 11 1963	0.58	6.80	
29 11 1963	0.49	4.62	
15 3 1964	0.65	8.62	
19 3 1964	0.64	8.44	
24 3 1964	0.53	5.43	
18 6 1964	0.61	7.47	

39803

THE CUT AT PITTS WEIR BINFIELD

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 9 1965	0.46	3.99		25 6 1967	0.47	4.24	
29 11 1965	0.62	7.81		1 11 1967	0.60	7.38	
5 12 1965	0.46	3.93		18 12 1967	0.53	5.43	
10 2 1966	0.56	6.17		13 1 1968	0.64	8.53	
25 2 1966	0.48	4.30		14 7 1968	0.58	6.72	
15 4 1966	0.51	4.95		15 9 1968	0.87	17.05	
19 4 1966	0.53	5.58		9 10 1968	0.48	4.42	
22 6 1966	0.46	3.99		1 11 1968	0.51	5.08	
18 10 1966	0.46	3.99		17 12 1968	0.74	11.76	2
22 10 1966	0.54	5.65		22 12 1968	0.54	5.72	2
20 2 1967	0.46	3.99		14 1 1969	0.70	10.18	2
27 2 1967	0.51	5.02		17 1 1969	0.73	11.22	2
9 3 1967	0.50	4.75		12 3 1969	0.52	5.15	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
1960-1961

39804

MOLE AT HORLEY MILL

GRID REF	TQ271434	AREA	92.85 SQ.KM	TC	GRADE	A2	
PERIOD OF RECORD	17 11 1961 TO	30 9 1969		THRESHOLD	13.70	CUMECs	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
13 12 1961	1.15	15.58		19 10 1966	1.16	15.69	
10 1 1962	1.38	18.10		22 10 1966	2.00	24.76	
21 1 1962	1.06	14.54		26 1 1967	1.76	22.24	
9 3 1963	1.01	13.91		20 2 1967	1.09	14.89	
17 11 1963	1.76	22.18		27 2 1967	1.44	18.80	
18 11 1963	1.92	23.88		9 3 1967	1.06	14.54	
15 3 1964	1.61	20.59		4 5 1967	1.02	14.02	
19 3 1964	1.26	16.75		20 5 1967	1.21	16.27	
21 4 1964	1.24	16.55		2 11 1967	1.67	21.27	
1 6 1964	1.80	23.62		4 11 1967	1.44	18.80	
3 9 1965	1.37	17.97		19 12 1967	1.18	15.93	
8 9 1965	1.34	17.63		14 1 1968	1.63	20.78	
20 11 1965	1.40	18.34		16 9 1968	2.80	32.79	
29 11 1965	1.83	22.98		RECORDER FAILURE, RIVER AUTHORITY ESTIMATE			
9 12 1965	1.55	19.96		28 10 1968	1.56	20.06	
10 2 1966	1.39	18.24		30 11 1968	1.00	13.84	
20 2 1966	1.06	14.54		17 12 1968	1.76	22.18	
25 2 1966	1.74	21.95		22 12 1968	1.21	16.20	
19 4 1966	1.24	16.61		17 1 1969	1.28	17.06	
				20 2 1969	1.66	21.11	
				13 3 1969	1.70	21.60	
				6 7 1969	1.12	15.17	

39813

MOLE AT IFIELD WEIR

GRID REF	TQ245365	AREA	13.25 SQ.KM	TC	GRADE	A1	
PERIOD OF RECORD	19 12 1958 TO	30 9 1969		THRESHOLD	1.50	CUMECs	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 4 1959		1.61		10 1 1962		1.36	
6 12 1959		1.76		9 3 1963		1.98	
26 12 1959		2.92		11 3 1963		2.09	
24 1 1960		3.45		17 11 1963		1.87	
9 10 1960		1.90		19 11 1963		2.31	
29 10 1960		1.67		14 3 1964		1.85	
30 10 1960		1.67		21 4 1964		1.70	
1 11 1960		2.07		1 6 1964		5.78	
3 11 1960		3.51		8 9 1965		1.39	
25 11 1960		1.87		20 11 1965		1.81	
3 12 1960		4.95		29 11 1965		2.72	
25 12 1960		1.61		9 12 1965		2.35	
29 1 1961		3.79					
27 2 1961		2.15					
5 5 1961		3.68					

39813

MOLE AT IFIELD WEIR

DATE	LEVEL	DISCHARGE	NOTE
19 12 1965		1.87	
6 2 1966		1.70	
10 2 1966		2.24	
20 2 1966		2.09	
25 2 1966		3.00	
19 4 1966		1.74	
19 10 1966		1.98	
22 10 1966		3.55	
21 1 1967		1.63	
24 1 1967		2.66	
27 2 1967		2.26	
8 3 1967		1.85	
4 5 1967		1.59	
18 5 1967		1.53	

DATE	LEVEL	DISCHARGE	NOTE
19 12 1967		1.70	
14 1 1968		2.42	
16 9 1968		19.00	2
VELOCITY AREA ESTIMATE MADE, EXCEEDED BY 5			
26 9 1968		1.59	
28 10 1968		2.15	
31 10 1968		1.78	
30 11 1968		1.64	
17 12 1968		2.72	
20 12 1968		1.76	
22 12 1968		1.98	
18 1 1969		2.26	
20 2 1969		2.63	
6 7 1969		1.90	

39820

DOLLIS BK AT HENDON LANE BRIDGE

GRID REF TQ240895 AREA 25.1 SQ. KM
 PERIOD OF RECORD 14 2 1952 TO 30 9 1969
 SIGNIFICANT GAPS
 23 5 1955 TO 9 1 1956 9 3 1956 TO
 8 4 1962 TO 27 6 1962

GLC THRESHOLD 3.90 CUMECs GRADE A1
 2 5 1956 21 12 1956 TO 7 1 1957

DATE	LEVEL	DISCHARGE	NOTE
9 3 1952		5.80	
27 11 1952		4.13	
10 2 1953		3.96	
1 11 1953		5.38	
3 3 1954		3.96	
12 6 1954		4.80	4
FLAT TOP TO PEAK, 35 INS READ			
23 11 1954		4.81	
8 12 1954		4.67	
16 1 1955		7.50	
31 1 1956		5.10	
8 7 1956		6.94	
6 8 1956		15.15	
28 8 1956		7.22	
1 9 1956		4.53	
6 9 1956		3.96	
1 10 1956		10.05	
1 SLUICE VALVE OPEN TO JUST BEFORE PEAK			
5 2 1957		5.38	
7 2 1957		4.25	
11 2 1957		4.67	
12 12 1957		5.38	
5 1 1958		5.89	
24 2 1958		7.08	
5 4 1958		5.10	
2 6 1958		5.95	
27 6 1958		7.79	
22 8 1958		5.95	
23 9 1958		11.75	
29 9 1958		5.10	
4 10 1958		4.81	
5 10 1958		4.81	
13 10 1958		4.81	
2 11 1958		7.36	
13 12 1958		6.37	
24 1 1960		4.81	
1 9 1960		4.53	
8 10 1960		5.38	
26 10 1960		6.23	

DATE	LEVEL	DISCHARGE	NOTE
1 11 1960		4.39	
22 11 1960		5.95	
25 11 1960		7.50	
4 12 1960		8.35	
27 2 1961		5.95	
11 11 1961		3.96	
1 12 1961		5.10	
21 1 1962		7.79	
26 7 1962		4.47	
1 10 1962		4.25	
7 6 1963		16.42	
6 7 1963		4.25	
18 11 1963		5.10	
18 11 1963		4.81	
21 4 1964		5.95	
22 4 1964		4.67	
1 6 1964		4.81	
4 6 1964		4.11	
21 7 1964		5.38	
17 6 1965		4.25	
19 4 1966		5.95	
30 8 1966		4.25	
10 10 1966		3.96	
14 10 1966		4.11	
22 10 1966		5.10	
9 12 1966		5.95	
20 2 1967		4.39	
27 2 1967		6.09	
10 3 1967		3.96	
10 4 1967		4.96	
25 6 1967		5.52	
16 10 1967		5.38	
19 12 1967		5.38	
14 1 1968		8.07	
14 7 1968		4.25	
9 8 1968		3.96	
15 9 1968		5.95	
16 9 1968		6.37	
8 10 1968		5.80	
10 10 1968		4.25	

39820

DOLLIS BK AT HENDON LANE BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 11 1968		6.23		2 8 1969		5.24	
17 12 1968		6.80					

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1954-1955 1955-1956 1956-1957

39821

BRENT AT MONKS PARK

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
16 1 1939		12.73		14 2 1951		11.89	
26 1 1939		12.03		17 2 1951		15.99	
21 8 1939		14.38		20 2 1951		14.72	
SPIKE ON PEAK IGNORED				13 3 1951		16.41	
15 10 1939		37.36		21 3 1951		13.02	
CHART LIMIT REACHED, PEAK ESTIMATED				23 3 1951		14.66	
6 11 1939		12.03		8 4 1951		19.95	
26 11 1939		11.74		17 11 1951		21.51	
8 12 1939		13.02		19 11 1951		15.42	
26 3 1940		19.24		24 11 1951		13.87	
15 11 1940		13.16		7 3 1952		13.02	
18 11 1940		20.38		6 8 1952		15.99	
20 1 1941		12.45		15 8 1952		19.39	
8 3 1941		17.12		30 9 1952		17.40	
9 6 1941		35.09		13 10 1952		11.89	
CHART LIMIT REACHED, PEAK ESTIMATED				22 11 1952		19.24	
12 7 1941		12.03		27 11 1952		17.69	
17 8 1941		14.01		19 12 1952		14.26	
23 8 1941		17.69		10 2 1953		16.92	
6 12 1941		12.45		30 4 1953		12.73	
24 1 1942		14.72		14 7 1953		17.26	
14 1 1943		14.43		31 7 1953		11.46	
31 1 1943		13.58		1 11 1953		19.81	
2 9 1944		6.93		7 3 1954		12.03	
17 11 1944		13.30		12 6 1954		22.27	
14 7 1945		11.60		25 7 1954		11.89	
26 7 1946		11.60		9 8 1954		14.72	
8 9 1946		40.00		20 11 1954		13.19	
CHART LIMIT REACHED, PEAK ESTIMATED				29 11 1954		12.06	
24 11 1946		15.28		8 12 1954		17.40	
13 3 1947		37.00		10 1 1955		12.59	
CHART LIMIT REACHED, PEAK ESTIMATED				16 1 1955		24.05	
29 3 1947		26.74		17 5 1955		14.29	
17 7 1947		15.28		28 5 1955		18.96	
24 1 1948		9.62		4 6 1955		14.15	
1 1 1949		14.43		19 10 1955		25.33	
26 10 1949		20.80		4 11 1955		11.55	
2 2 1950		12.31		23 1 1956		13.58	
13 2 1950		11.89		26 1 1956		12.00	
21 7 1950		11.18		31 1 1956		20.38	
23 7 1950		13.87		9 7 1956		22.64	
19 11 1950		12.17		19 7 1956		17.04	
21 11 1950		11.32		5 8 1956		23.77	
SPIKE ON PEAK IGNORED				29 8 1956		14.26	
1 12 1950		16.98		6 9 1956		13.67	
5 1 1951		18.11		9 9 1956		12.68	
4 2 1951		18.40		1 10 1956		31.00	
9 2 1951		13.30		FLAT TOP FOR 9 HOURS, PEAK GUESSED			
11 2 1951		15.71		28 12 1956		15.28	
				5 2 1957		11.89	
				7 2 1957		13.02	
				11 2 1957		12.00	
				4 11 1957		15.28	
				13 12 1957		16.13	

39821

BRENT AT MONKS PARK

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 1 1958		14.86		15 3 1964		17.97	
24 2 1958		19.24		21 4 1964		15.00	
5 4 1958		17.12		29 5 1964		14.15	
29 5 1958		14.15		31 5 1964		15.45	
2 6 1958		20.38		18 6 1964		19.24	
26 6 1958		22.78					
16 7 1958		16.41		2 8 1965		10.19	
28 8 1958		11.60					
23 9 1958		32.12		29 11 1965		14.15	
29 9 1958		14.49		5 12 1965		17.55	
				9 12 1965		22.50	
4 10 1958		11.60		19 12 1965		13.58	
5 10 1958		13.58		22 12 1965		16.13	
13 10 1958		13.13		1 1 1966		14.72	
2 11 1958		22.64		15 4 1966		15.28	
13 12 1958		19.81		19 4 1966		19.53	
				22 6 1966		18.68	
24 1 1960		15.42		30 8 1966		24.34	
11 3 1960		11.46					
1 9 1960		13.58		14 10 1966		16.56	
				22 10 1966		15.28	
9 10 1960		18.68		3 12 1966		13.58	
26 10 1960		19.24		27 2 1967		11.60	
31 10 1960		14.43		9 3 1967		11.60	
25 11 1960		15.99		10 4 1967		13.58	
4 12 1960		20.23		25 6 1967		25.47	
27 2 1961		13.16					
				16 10 1967		15.28	
11 11 1961		14.29		8 11 1967		11.72	
1 12 1961		11.89		18 12 1967		18.11	
30 12 1961		14.01		13 1 1968		25.75	
21 1 1962		10.81		13 7 1968		14.72	
26 7 1962		23.21	2 6	15 9 1968		24.90	
6 8 1962		11.89					
				8 10 1968		14.15	
29 8 1963		9.68		17 12 1968		27.73	
				13 1 1969		17.26	
18 11 1963		23.77		13 3 1969		11.32	
29 11 1963		12.03		2 8 1969		20.94	
RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM							
1939-1940							

39824

RAVENSBORNE EAST AT BROMLEY SOUTH

GRID REF TQ406687 AREA 10.26 SQ.KM
 PERIOD OF RECORD 31 10 1962 TO 1 1 1970

GLC THRESHOLD 2.54 CUMECS GRADE A1

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
2 9 1963		2.60		18 9 1967		4.02	
24 9 1963		3.17					
				1 11 1967		2.58	
29 5 1964		2.72		1 11 1967		2.56	
31 5 1964		2.77		3 5 1968		3.17	
2 6 1964		3.24		13 5 1968		2.56	
12 6 1964		2.99		9 7 1968		2.63	
				7 8 1968		4.20	
22 6 1965		3.06		17 8 1968		2.92	
5 7 1965		2.66		28 8 1968		2.80	
2 9 1965		3.96		13 9 1968		2.99	
3 9 1965		4.57		14 9 1968		5.89	
				14 9 1968		6.45	
22 6 1966		6.31		14 9 1968		3.00	
19 7 1966		2.66		15 9 1968		9.34	
				TRUNCATED PEAK			
14 10 1966		3.10		15 9 1968		7.08	
20 10 1966		2.55		TRUNCATED PEAK			
1 12 1966		2.60					
25 12 1966		2.83		6 7 1969		3.74	
25 0 1967		3.96		29 7 1969		2.93	
22 7 1967		3.27		2 8 1969		3.11	

39827

POOL AT SELWORTHY ROAD

GRID REF TQ396722 AREA 36. SQ. KM GLC GRADE A1
 PERIOD OF RECORD 15 9 1961 TO 5 1 1970 THRESHOLD 3.70 CUMECs
 SIGNIFICANT GAPS
 19 11 1963 TO 19 12 1963 28 5 1964 TO 29 6 1964 2 9 1964 TO 6 1 1965
 2 6 1965 TO 16 6 1965 15 12 1965 TO 17 12 1965 20 12 1965 TO 22 12 1965

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 1 1962		3.96		13 5 1968		4.93	
19 1 1962		3.96		18 5 1968		4.02	
				3 6 1968		3.91	
8 3 1963		3.88		8 7 1968		4.95	
				13 7 1968		6.03	
29 8 1966		3.77		9 8 1968		3.99	
				16 8 1968		4.67	
3 10 1966		3.88		14 9 1968		4.08	
23 10 1966		4.39		14 9 1968		8.49	
10 12 1966		4.02		15 9 1968		12.34	
10 4 1967		3.77		16 9 1968		5.72	
25 6 1967		6.43		16 9 1968		5.12	
10 8 1967		4.33					
19 8 1967		3.96		8 10 1968		4.50	
18 9 1967		4.10		10 10 1968		4.98	
				14 12 1968		6.99	
17 10 1967		4.16		21 12 1968		4.13	
SPIKE ON PEAK IGNORED				16 1 1969		3.94	
1 11 1967		5.29		11 3 1969		3.99	
SPIKE ON PEAK IGNORED				6 7 1969		7.02	
13 1 1968		4.30		29 7 1969		6.51	
6 2 1968		4.02		1 8 1969		7.08	
17 4 1968		4.90					
				12 12 1969		4.16	
RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM							
1965-1964 1964-1965							

39830

BECK AT RECTORY ROAD

GRID REF TQ370697 AREA 10. SQ. KM GLC GRADE A1
 PERIOD OF RECORD 27 9 1962 TO 1 1 1970 THRESHOLD 1.20 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 7 1963		1.22		11 8 1967		2.36	
				18 8 1967		1.32	
1 8 1964		2.06		18 9 1967		1.46	
18 8 1964		1.63					
				16 10 1967		1.70	
3 9 1965		2.57		1 11 1967		1.95	
				13 1 1968		1.25	
20 11 1965		1.29		17 4 1968		1.37	
28 11 1965		1.51		13 5 1968		1.26	
22 6 1966		1.63		18 5 1968		1.25	
19 7 1966		1.43		31 5 1968		1.33	
29 8 1966		1.39		13 7 1968		1.23	
				9 8 1968		1.27	
3 10 1966		1.46		16 8 1968		1.64	
18 10 1966		1.46		14 9 1968		2.15	
20 10 1966		1.30		15 9 1968		5.66	
22 10 1966		1.41		EXCEEDED CHART UNIT, PEAK GUESSED			
9 12 1966		1.47		14 12 1968		1.86	
23 12 1966		1.42		5 7 1969		1.27	4
10 4 1967		1.38		PEAK GUESSED			
12 5 1967		1.38		29 7 1969		2.01	
30 5 1967		1.52		1 8 1969		2.04	
24 6 1967		2.26					
25 6 1967		1.62		12 12 1969		1.27	
22 7 1967		1.44					

39831

CHAFFINCH BROOK AT BECKENHAM

GRID REF TQ359685 AREA 7. SQ.KM
 PERIOD OF RECORD 4 9 1962 TO 1 1 1970

GLC THRESHOLD 1.40 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
6 7 1963		1.27	
16 4 1964		1.44	
1 6 1964		1.70	
18 8 1964		1.81	
6 7 1965		1.81	
2 9 1965		1.64	
3 9 1965		2.32	
28 11 1965		1.45	
2 1 1966		1.82	
10 6 1966		1.81	
22 6 1966		2.19	
2 8 1966		1.44	
21 8 1966		1.90	
26 8 1966		1.64	
3 10 1966		2.05	
18 10 1966		1.52	
18 10 1966		2.17	
29 11 1966		1.62	
1 12 1966		1.86	
12 5 1967		1.89	
30 5 1967		1.98	

DATE	LEVEL	DISCHARGE	NOTE
2 6 1967		2.07	
23 6 1967		1.69	
25 6 1967		2.11	
19 8 1967		1.47	
17 9 1967		1.88	
17 10 1967		1.46	
1 11 1967		1.84	
17 4 1968		1.67	
3 5 1968		1.59	
10 7 1968		1.89	
13 7 1968		1.97	
10 8 1968		1.45	
17 8 1968		1.45	
26 8 1968		1.61	
14 9 1968		2.21	
15 9 1968		4.25	
CHART EXCEEDED, PEAK GUESSED			
16 9 1968		1.54	
10 10 1968		1.45	
17 12 1968		2.04	
4 7 1969		1.95	
28 7 1969		1.99	
2 8 1969		2.09	

39834

BRENT AT HANWELL

GRID REF TQ151802 AREA 132.1 SQ.KM
 PERIOD OF RECORD 21 2 1961 TO 30 12 1969

GLC THRESHOLD 14.40 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
27 2 1961	1.28	15.40	
14 9 1961	1.29	15.58	
11 11 1961	1.48	18.93	
1 12 1961	1.26	15.08	
30 12 1961	1.32	16.04	
21 1 1962	1.73	24.34	
26 7 1962	2.12	38.83	
1 10 1962	1.29	15.58	
7 6 1963	1.46	18.51	
17 11 1963	1.48	18.93	
19 11 1963	1.88	28.74	
16 3 1964	1.68	23.16	
21 4 1964	1.37	16.86	
29 5 1964	1.35	16.50	
1 6 1964	1.55	20.33	
18 6 1964	1.67	22.86	
21 7 1965	1.23	14.63	
1 8 1965	1.27	15.22	
3 9 1965	1.24	14.76	
5 12 1965	1.33	16.13	
9 12 1965	1.54	20.46	
2 1 1966	1.23	14.67	

DATE	LEVEL	DISCHARGE	NOTE
16 4 1966	1.24	14.90	
19 4 1966	1.56	20.52	
22 6 1966	1.62	21.84	
30 8 1966	1.89	29.31	
14 10 1966	1.46	18.45	
23 10 1966	1.47	18.69	9
10 12 1966	1.43	17.91	
25 2 1967	1.29	15.58	9
9 4 1967	1.37	16.80	
25 6 1967	1.94	31.17	
16 10 1967	1.44	18.15	
2 11 1967	1.28	15.49	
19 12 1967	1.63	21.97	
14 1 1968	2.05	35.57	
14 7 1968	1.29	15.58	4
15 9 1968	2.05	35.70	
8 10 1968	1.31	15.90	
10 10 1968	1.22	14.54	
17 12 1968	2.07	36.50	
13 1 1969	1.43	17.97	
14 1 1969	1.22	14.49	
12 3 1969	1.35	16.55	
3 8 1969	1.95	31.41	

39840

SILK STREAM AT COLINDEEP LANE

GRID REF TQ217895 AREA 29. SQ.KM
 PERIOD OF RECORD 30 10 1928 TO 27 11 1944
 SIGNIFICANT GAPS
 23 1 1939 TO 13 3 1939

GLC THRESHOLD 4.10 GRADE C
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE
20 7 1929		4.42	
28 11 1929		4.53	
6 12 1929		5.79	
11 12 1930		2.95	
22 5 1932		2.10	
23 10 1932		3.68	
14 11 1933		3.00	
17 12 1934		0.32	
7 7 1936		4.74	
14 5 1937		4.21	
20 4 1937		6.05	
11 5 1937		4.79	
20 5 1937		5.53	
13 6 1937		4.21	
13 8 1937		7.89	
1 11 1937		6.47	
1 12 1937		4.21	
2 12 1937		5.89	
13 12 1937		7.79	
1 7 1938		4.80	
7 8 1938		6.21	
12 8 1938		9.84	
20 11 1938		5.00	
25 11 1938		9.37	
16 12 1938		7.63	
29 12 1938		5.74	
6 1 1939		5.79	
16 1 1939		7.37	
4 8 1939		7.21	
11 10 1939		7.37	
15 10 1939		8.95	
5 11 1939		5.26	
27 11 1939		4.47	
8 12 1939		4.21	
17 3 1940		5.89	
26 5 1940		9.63	
9 6 1940		6.00	
16 10 1940		10.94	
31 10 1940		6.31	
3 11 1940		5.79	
11 11 1940		10.52	
13 11 1940		11.05	

DATE	LEVEL	DISCHARGE	NOTE
16 11 1940		10.79	
17 11 1940		11.31	
18 11 1940		7.10	
21 1 1941		5.74	
7 3 1941		6.68	
2 4 1941		4.42	
19 4 1941		7.37	
1 6 1941		9.47	
8 6 1941		5.95	
9 6 1941		12.10	
12 7 1941		13.42	
13 7 1941		11.58	
19 7 1941		10.79	
8 8 1941		4.21	4
9 8 1941		4.21	4
15 8 1941		7.10	4
17 8 1941		9.21	4
23 8 1941		11.94	4
29 8 1941		5.53	
SPIKE ON PEAK IGNORED			
11 11 1941		7.37	
6 12 1941		9.73	
14 12 1941		4.47	
23 1 1942		10.31	
24 1 1942		7.79	
30 1 1942		6.79	
19 3 1942		7.58	
27 7 1942		5.10	
20 10 1942		4.31	
23 10 1942		7.10	
26 10 1942		4.95	
29 10 1942		4.74	
5 12 1942		7.37	
13 1 1943		11.31	4
31 1 1943		6.95	
1 2 1943		6.31	
26 8 1943		5.68	
10 9 1943		7.63	
12 9 1943		6.63	
20 10 1943		6.68	
18 12 1943		5.26	
20 8 1944		4.21	
24 8 1944		8.42	
2 9 1944		9.21	
16 10 1944		8.84	
17 10 1944		6.10	
5 11 1944		4.74	
6 11 1944		5.53	
17 11 1944		8.73	

40003

MEDWAY AT EAST FARLEIGH

GRID REF TQ708530 AREA 1270. SQ.KM
 PERIOD OF RECORD 24 9 1956 TO 3 10 1969

KRA THRESHOLD 89.00 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE
17 12 1956	6.46	115.38	
1 2 1957	6.43	113.84	
5 2 1957	5.94	90.27	
8 2 1957	6.95	141.48	
5 1 1958	5.93	89.85	
11 1 1958	6.15	100.32	

DATE	LEVEL	DISCHARGE	NOTE
27 1 1958	6.32	108.50	
25 2 1958	5.94	90.27	
5 4 1958	5.94	90.41	
27 6 1958	6.00	93.10	
7 9 1958	5.91	89.15	
6 10 1958	6.05	95.39	
13 10 1958	6.02	94.10	

40003

MEDWAY AT EAST FARLEIGH

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
2 11 1958	6.14	99.59		29 11 1965	6.21	103.27	
13 12 1958	6.62	124.01		10 12 1965	6.85	136.16	
19 12 1958	5.93	89.99		19 12 1965	6.30	107.75	
6 1 1959	6.11	98.42		1 1 1966	5.95	90.83	
20 1 1959	5.97	91.68		10 2 1966	6.82	134.52	
27 12 1959	6.87	136.99		20 2 1966	6.23	104.01	
24 1 1960	6.98	143.33		26 2 1966	7.07	147.90	
9 10 1960	5.98	92.39		19 4 1966	6.31	108.05	
26 10 1960	6.59	122.27		23 10 1966	6.60	122.90	
31 10 1960	7.17	153.74		10 12 1966	6.20	102.53	
4 11 1960	9.03	272.67		29 12 1966	5.92	89.29	
12 11 1960	6.47	116.00		23 1 1967	6.27	106.10	
26 11 1960	6.58	121.63		26 1 1967	6.29	106.85	
5 12 1960	7.92	198.53		21 2 1967	5.98	92.39	
3 1 1961	6.73	129.47		28 2 1967	6.84	135.34	
31 1 1961	7.31	161.60		10 4 1967	6.09	97.41	
28 2 1961	6.61	123.22		25 6 1967	5.92	89.29	
5 12 1961	5.98	92.11		2 11 1967	6.27	106.25	
31 12 1961	5.94	90.27		5 11 1967	7.75	187.75	
11 1 1962	6.30	107.75		14 1 1968	6.70	128.01	
22 1 1962	6.47	116.00		7 2 1968	6.68	126.89	
11 5 1963	6.42	113.38		16 9 1968	9.41	300.42	
21 4 1963	6.03	94.38		21 12 1968	6.27	105.95	
20 11 1963	8.14	212.66		22 12 1968	6.43	114.15	
15 3 1964	7.42	167.99		17 1 1969	6.15	100.32	
19 6 1964	6.73	129.30		28 1 1969	5.92	89.29	
14 1 1965	5.82	84.99		21 2 1969	6.58	121.95	
				13 3 1969	6.84	135.67	

40004

ROTHER AT UDIAM

GRID REF	TQ773245	AREA	205.7 SQ.KM	KRA	THRESHOLD	19.00	GRADE B
PERIOD OF RECORD	1 9 1962 TO	7 10 1969					CUMECS
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
12 5 1963	2.13	22.80		19 4 1966	2.22	24.82	
16 4 1963	1.95	19.17		20 10 1966	2.13	22.80	
21 4 1963	2.01	20.48		23 10 1966	2.34	27.57	
7 11 1963	2.07	21.59		29 12 1966	1.95	19.17	
11 11 1963	2.04	20.97		23 1 1967	2.01	20.36	
19 11 1963	2.88	62.46		20 2 1967	1.98	19.76	
26 11 1963	1.98	19.76		28 2 1967	2.74	44.77	
15 3 1964	2.89	63.35		10 4 1967	2.19	24.16	
3 9 1965	2.04	20.97		26 6 1967	1.95	19.17	
4 9 1965	2.49	31.20		28 10 1967	1.95	19.17	
29 11 1965	1.98	19.76		2 11 1967	2.22	24.82	
9 12 1965	2.95	72.83		4 11 1967	3.09	98.65	
19 12 1965	2.52	31.87		14 1 1968	2.65	35.16	
2 1 1966	1.97	19.64		7 2 1968	2.37	28.28	
10 2 1966	2.73	43.46		26 9 1968	2.16	23.51	
20 2 1966	2.07	21.59		12 10 1968	2.07	21.59	
25 2 1966	2.78	49.27		21 2 1969	2.22	24.82	
				13 3 1969	2.67	37.66	

40005

BEULT AT STILE BRIDGE

GRID REF	TQ758478	AREA	277. SQ.KM	KRA	THRESHOLD	18.80	GRADE A1
PERIOD OF RECORD	30 9 1958 TO	7 10 1969					CUMECS
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
7 10 1958	2.20	25.22		14 12 1958	2.27	26.60	
14 10 1958	2.09	23.10		30 12 1958	1.88	19.09	
3 11 1958	2.43	30.13		7 1 1959	1.88	19.20	
				20 1 1959	1.87	18.98	

40005

BEULT AT STILE BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
23 12 1959	2.09	23.10		4 4 1964	1.87	18.92	
26 12 1959	2.84	41.08		20 6 1964	2.85	41.93	
24 1 1960	2.69	35.98		4 9 1965	2.29	27.05	
10 10 1960	2.16	24.42		30 11 1965	2.27	26.60	
21 10 1960	2.07	22.62		10 12 1965	2.67	35.69	
27 10 1960	2.43	30.10		19 12 1965	2.03	21.92	
31 10 1960	2.89	44.02		23 1 1966	1.93	20.31	
4 11 1960	3.38	79.91		10 2 1966	2.76	37.81	
12 11 1960	2.46	30.87		21 2 1966	2.05	22.33	
26 11 1960	2.33	27.80		26 2 1966	2.92	45.82	
5 12 1960	3.12	58.89		20 4 1966	2.01	21.45	
3 1 1961	2.34	28.21		21 10 1966	2.04	22.03	
30 1 1961	2.98	49.59		24 10 1966	2.24	26.16	
28 2 1961	2.56	32.93		29 10 1966	2.50	31.68	
31 12 1961	1.96	20.50		6 11 1966	2.07	22.62	
11 1 1962	2.19	25.04		11 12 1966	2.08	22.92	
22 1 1962	2.06	22.50		28 2 1967	2.52	32.23	
12 3 1963	2.36	28.54		5 11 1967	3.23	66.98	
21 4 1963	1.95	20.31		14 1 1968	2.80	38.93	
7 11 1963	1.95	20.31		7 2 1968	2.80	38.93	
11 11 1963	1.95	20.48		22 12 1968	2.01	21.45	
19 11 1963	3.12	58.89		18 1 1969	2.02	21.61	
29 1 1964	2.13	23.82		21 2 1969	2.60	33.84	
15 5 1964	3.15	61.13		13 3 1969	2.68	35.71	

40006

BOURNE AT HADLOW

GRID REF	YQ632497	AREA	49.7 SQ.KM	KRA	GRADE A1		
PERIOD OF RECORD	14 7 1959 TO	7 10 1969		THRESHOLD	2.80 CUMECs		
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 12 1959		3.54	6	9 12 1965		5.38	
24 1 1960		5.09		10 2 1966		4.53	
26 10 1960		5.66		25 2 1966		5.09	
29 10 1960		5.66		19 4 1966		4.53	
30 10 1960		3.54		22 10 1966		11.97	4
1 11 1960		3.40		30 11 1966		3.82	
3 11 1960		8.21		10 12 1966		4.39	
25 11 1960		3.96		29 12 1966		3.40	
4 12 1960		9.34	4	26 1 1967		4.67	6
2 1 1961		3.54	1	20 2 1967		3.54	
30 1 1961		8.35		27 2 1967		4.24	
27 2 1961		5.66		SPIKE ON PEAK IGNORED			
4 5 1961		3.28	6	10 4 1967		4.39	6
4 12 1961		2.83	6	25 6 1967		4.92	
13 12 1961		3.11		2 11 1967		3.96	
31 12 1961		3.57		4 11 1967		7.90	
10 1 1962		2.97		18 12 1967		3.45	
21 1 1962		3.11		SPIKE ON PEAK IGNORED			
11 3 1963		3.68		14 1 1968		5.63	
11 11 1963		4.81	8	6 2 1968		4.22	
17 11 1963		5.09		15 9 1968		56.60	
14 5 1964		6.65		ESTIMATED BY SLOPE/AREA CALCULATION			
19 6 1964		7.92		19 12 1968		4.22	
3 9 1965		2.58	8	28 1 1969		2.83	6
				20 2 1969		3.96	
				13 3 1969		6.51	
				6 7 1969		3.25	
				2 8 1969		2.83	6

40007

MEDWAY AT CHAFFORD

GRID REF TQ517405 AREA 257. SQ.KM
 PERIOD OF RECORD 28 9 1960 TO 2 10 1969

KRA THRESHOLD 29.10 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
9 10 1960	32.27	34.10		20 11 1965	32.00	29.97	
26 10 1960	33.19	58.74		29 11 1965	32.67	43.51	
29 10 1960	32.79	46.76		9 12 1965	33.11	55.88	
1 11 1960	32.87	48.85		19 12 1965	32.35	35.58	
3 11 1960	33.52	110.38	2	10 2 1966	32.59	41.47	
11 11 1960	32.08	31.10		20 2 1966	32.24	33.64	
25 11 1960	32.67	43.51		25 2 1966	33.08	54.97	
4 12 1960	33.46	105.37	2	18 4 1966	32.26	33.87	
3 1 1961	32.56	40.77					
29 1 1961	33.28	71.68		23 10 1966	32.68	43.91	
27 2 1961	32.46	38.13		23 1 1967	32.19	32.89	
				26 1 1967	32.46	38.13	
13 12 1961	31.95	29.30		21 2 1967	31.98	29.70	
11 1 1962	32.55	40.54		28 2 1967	32.75	45.53	
21 1 1962	32.21	33.17		10 4 1967	32.22	33.27	
3 11 1962	31.99	29.84		2 11 1967	32.29	34.39	
11 3 1963	32.32	34.86		4 11 1967	33.34	81.65	
20 4 1963	31.95	29.30		14 1 1968	32.58	41.16	
				6 2 1968	32.49	38.87	
11 11 1963	32.88	40.28		16 9 1968	33.19	59.53	
18 11 1963	33.13	56.52		26 9 1968	32.04	30.60	
15 3 1964	32.52	39.63					
19 3 1964	32.33	35.01		22 12 1968	32.55	40.32	
1 6 1964	32.24	33.64		17 1 1969	32.22	33.21	
19 6 1964	32.68	43.91		28 1 1969	32.00	29.91	
				20 2 1969	32.40	36.65	
3 9 1965	32.27	34.10		13 3 1969	32.70	44.18	
8 9 1965	32.15	32.16					

40008

STOUR AT WYE

GRID REF TR049470 AREA 230. SQ.KM
 PERIOD OF RECORD 18 7 1960 TO 7 10 1969
 SIGNIFICANT GAPS

KRA THRESHOLD 16.50 GRADE A1
 CUMECs

31 5 1962 TO 1 10 1962

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
9 10 1960	1.09	19.93		4 9 1965	0.68	11.62	
21 10 1960	1.09	19.93					
26 10 1960	1.15	21.07		29 11 1965	0.94	17.10	
3 11 1960	1.84	33.94		9 12 1965	0.99	17.95	
26 11 1960	1.43	26.20		10 2 1966	1.10	20.05	
4 12 1960	1.58	29.06		25 2 1966	1.06	19.31	
10 12 1960	1.21	22.21					
14 12 1960	1.12	20.50		23 10 1966	1.06	19.36	
26 12 1960	0.94	17.10		28 10 1966	1.50	27.52	
28 12 1960	1.00	18.23		6 11 1966	0.96	17.38	
4 1 1961	1.53	28.20		30 11 1966	0.91	16.53	
30 1 1961	1.62	29.81		6 12 1966	1.05	19.08	
28 2 1961	1.40	25.63		10 12 1966	1.12	20.39	
4 5 1961	0.91	16.53	6	28 2 1967	0.96	17.38	
27 11 1961	1.31	24.03	6	5 11 1967	1.50	27.63	2 6
4 12 1961	0.96	17.38		14 1 1968	1.15	21.07	
31 12 1961	1.09	19.82		6 2 1968	1.00	18.23	2
11 1 1962	1.12	20.50					
21 1 1962	0.94	17.10		21 2 1969	1.32	24.09	
				13 3 1969	1.09	19.80	
18 11 1963	1.21	22.21					

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1962-1963

40009

TEISE AT STONE BRIDGE

GRID REF TQ718399 AREA 136. SQ. KM
 PERIOD OF RECORD 16 6 1961 TO 7 10 1969

KRA THRESHOLD 17.02 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 12 1961	1.29	20.76		10 2 1966	1.88	30.82	
13 12 1961	1.70	27.71		20 2 1966	1.18	18.34	
10 1 1962	1.70	27.71		25 2 1966	2.40	39.72	
21 1 1962	1.34	21.53		18 4 1966	1.40	22.66	
9 3 1963	1.15	17.54		20 10 1966	1.70	27.61	
11 3 1963	1.47	23.84		22 10 1966	1.79	29.27	
20 4 1963	1.39	22.50		10 12 1966	1.33	21.43	
7 11 1963	1.31	21.02		29 12 1966	1.15	17.38	
11 11 1963	1.42	22.91		23 1 1967	1.21	18.99	
16 11 1963	1.46	23.58		26 1 1967	1.44	23.32	
19 11 1963	2.40	39.72		20 2 1967	1.34	21.53	
14 3 1964	1.88	30.82	2	27 2 1967	2.07	33.95	
18 6 1964	2.25	37.10		10 4 1967	1.52	24.61	
13 1 1965	1.27	20.40	6	25 6 1967	1.82	29.68	
3 9 1965	1.82	29.78		4 11 1967	2.43	40.25	
8 9 1965	1.20	18.75		14 1 1968	1.72	27.97	
29 11 1965	1.61	26.16		6 2 1968	1.34	21.53	
9 12 1965	2.52	41.83		22 12 1968	1.61	26.16	
18 12 1965	1.76	28.64	6	17 1 1969	1.22	19.18	
1 1 1966	1.28	20.51		20 2 1969	1.50	24.20	
				12 3 1969	2.14	35.11	2

40011

STOUR AT HORTON

GRID REF TR116554 AREA 345. SQ. KM
 PERIOD OF RECORD 1 7 1964 TO 7 10 1969

KRA THRESHOLD 15.60 GRADE A2
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 9 1965		11.37		30 11 1966		17.30	
30 11 1965		16.45	6	7 12 1966		19.85	
10 12 1965		17.73	6	11 12 1966		21.10	
19 12 1965		15.97		29 12 1966		16.73	
11 2 1966		19.85		28 2 1967		17.92	
26 2 1966		19.85		5 11 1967		29.50	
19 4 1966		16.00		15 1 1968		21.60	
21 10 1966		17.02	6	6 2 1968		19.85	
24 10 1966		18.43	6	8 2 1968		19.29	
6 11 1966		17.64		28 12 1968		16.28	
				18 1 1969		16.73	

40012

DARENT AT HAWLEY

GRID REF TQ551718 AREA 191. SQ. KM
 PERIOD OF RECORD 12 11 1963 TO 3 10 1969

KRA THRESHOLD 2.30 GRADE A1
 CUMECs

SIGNIFICANT GAPS

29 1 1965 TO 5 2 1965

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
19 11 1963		3.20		5 11 1967		3.40	
15 3 1964		2.92		10 1 1968		2.34	9
22 3 1964		2.83		12 1 1968		3.60	9
4 9 1965		1.93		7 2 1968		2.80	
10 12 1965		2.83		16 9 1968		49.00	2
19 12 1965		2.83		12 10 1968		2.82	
10 2 1966		2.59		2 11 1968		3.40	
25 2 1966		2.82		17 12 1968		3.23	
19 4 1966		2.83		22 12 1968		3.37	
23 10 1966		2.60		14 1 1969		2.36	
12 4 1967		2.97		17 1 1969		2.94	
6 5 1967		2.66		28 1 1969		2.55	
				20 2 1969		2.97	

40012

DARENT AT HAWLEY

DATE	LEVEL	DISCHARGE	NOTE
13 3 1969		3.96	

DATE	LEVEL	DISCHARGE	NOTE
7 7 1969		2.34	6

40019

EDEN AT VEXOUR BRIDGE

GRID REF	TQ510455	AREA	224. SQ. KM
PERIOD OF RECORD	23 6 1961 TO	2 10 1969	

KRA THRESHOLD	15.60	GRADE A1	CUMECS
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DATE	LEVEL	DISCHARGE	NOTE
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13 12 1961	1.65	16.35	
31 12 1961	1.70	17.11	
12 1 1962	1.82	19.44	
22 1 1962	1.99	24.19	3 2
10 3 1963	1.94	22.75	
19 11 1963	2.18	30.52	
25 11 1963	1.64	16.27	
15 3 1964	2.13	28.65	
20 3 1964	1.79	18.72	
19 6 1964	1.80	18.88	
13 1 1965	1.61	15.85	
4 9 1965	1.60	15.65	
21 11 1965	1.76	17.97	
30 11 1965	2.01	24.75	
10 12 1965	2.01	24.75	
10 2 1966	2.01	24.75	
21 2 1966	1.88	21.18	
25 2 1966	2.14	29.16	
19 4 1966	1.95	22.92	
23 10 1966	2.12	28.45	
10 12 1966	1.82	19.52	2

DATE	LEVEL	DISCHARGE	NOTE
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29 12 1966	1.73	17.54	
23 1 1967	1.64	16.27	2
26 1 1967	2.00	24.56	
20 2 1967	1.70	17.11	
28 2 1967	1.90	21.61	
10 4 1967	1.70	17.03	
5 5 1967	1.69	16.90	
2 11 1967	1.70	17.11	
4 11 1967	2.34	36.31	
19 12 1967	1.88	21.18	
14 1 1968	2.22	31.80	
6 2 1968	1.92	22.04	
15 9 1968	3.17	212.00	4
DISCHARGE ESTIMATED BY SLOPE AREA METHOD			
29 10 1968	1.72	20.12	
2 11 1968	1.80	22.35	
30 11 1968	1.50	16.07	
18 12 1968	1.87	24.42	
21 12 1968	1.47	15.66	
22 12 1968	1.75	20.94	
16 1 1969	1.54	16.62	
18 1 1969	1.51	16.20	
21 2 1969	1.80	22.35	
13 3 1969	1.93	26.28	

41003

CUCKMERE AT SHERMAN BRIDGE

GRID REF	TQ533052	AREA	130.5 SQ. KM
PERIOD OF RECORD	16 9 1959 TO	1 10 1969	

SRA THRESHOLD	19.10	GRADE A1	CUMECS
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DATE	LEVEL	DISCHARGE	NOTE
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3 12 1959		19.10	
7 12 1959		25.89	
9 12 1959		31.44	
23 12 1959		29.18	
24 12 1959		26.32	
26 12 1959		22.53	
24 1 1960		27.93	
11 8 1960		23.80	
9 10 1960		21.85	
22 10 1960		20.40	
27 10 1960		28.38	
30 10 1960		31.95	
31 10 1960		49.50	
1 11 1960		46.21	
3 11 1960		58.47	
11 11 1960		32.46	
26 11 1960		39.56	
4 12 1960		52.89	
3 1 1961		37.16	
30 1 1961		83.49	
28 2 1961		26.32	
11 1 1962		25.89	
23 1 1962		24.22	4

DATE	LEVEL	DISCHARGE	NOTE
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16 4 1963		15.56	
7 11 1963		19.75	
11 11 1963		20.09	
18 11 1963		43.78	
15 3 1964		47.01	
4 9 1965		23.72	
20 11 1965		29.88	
20 11 1965		20.49	
9 12 1965		44.54	
19 12 1965		26.15	
10 2 1966		35.69	
20 2 1966		19.10	
25 2 1966		28.02	
23 10 1966		35.40	
28 2 1967		34.27	
4 11 1967		55.50	
14 1 1968		31.61	
6 2 1968		19.89	
19 2 1969		19.75	
13 3 1969		33.51	

41005

HOUSE AT GOLDBRIDGE

GRID REF TQ428214 AREA 182. SQ. KM
 PERIOD OF RECORD 22 2 1960 TO 30 9 1969

SRA THRESHOLD 15.00 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE
27 2 1960	1.54	15.70	
12 8 1960	1.70	20.51	
9 10 1960	1.74	22.85	
27 10 1960	1.72	21.65	
31 10 1960	1.82	29.14	
3 11 1960	2.05	53.08	
11 11 1960	1.73	22.25	
26 11 1960	1.76	24.52	
4 12 1960	1.98	43.80	
3 1 1961	1.71	21.27	
30 1 1961	1.98	43.80	
28 2 1961	1.70	20.51	
5 5 1961	1.79	26.75	
13 12 1961	1.64	17.59	
31 12 1961	1.64	17.54	
11 1 1962	1.70	20.33	
22 1 1962	1.68	19.06	
11 5 1963	1.68	19.06	
11 11 1963	1.69	19.78	
16 11 1963	1.72	21.85	
19 11 1963	2.01	47.34	
25 11 1963	1.71	21.08	
15 3 1964	1.85	30.91	
20 3 1964	1.72	21.65	
24 5 1964	1.68	19.24	
2 6 1964	1.74	23.26	
19 6 1964	1.82	29.14	
4 9 1965	1.73	22.05	
9 9 1965	1.72	21.65	
20 11 1965	1.88	33.60	

DATE	LEVEL	DISCHARGE	NOTE
29 11 1965	1.85	30.91	
9 12 1965	1.90	36.17	
19 12 1965	1.82	28.65	
23 12 1965	1.58	16.36	
1 1 1966	1.54	15.70	
6 2 1966	1.59	16.58	
10 2 1966	1.78	25.62	
20 2 1966	1.75	23.88	
25 2 1966	1.92	37.66	
19 4 1966	1.74	23.26	
7 8 1966	1.67	18.71	
23 10 1966	1.87	33.32	
29 12 1966	1.65	17.71	
23 1 1967	1.72	21.85	
26 1 1967	1.76	24.52	
20 2 1967	1.56	15.97	
28 2 1967	1.80	26.98	
10 4 1967	1.58	16.47	
2 11 1967	1.59	16.63	
4 11 1967	2.24	83.60	
19 12 1967	1.64	17.59	
14 1 1968	1.75	23.67	
6 2 1968	1.73	22.45	
15 9 1968	2.02	48.45	
26 9 1968	1.70	20.51	
11 10 1968	1.67	18.89	
2 11 1968	1.65	17.65	
17 12 1968	1.53	15.48	
22 12 1968	1.73	22.25	
17 1 1969	1.72	21.33	
28 1 1969	1.67	18.35	
20 2 1969	1.69	19.50	
13 3 1969	1.84	30.06	

41006

UCK AT ISFIELD

GRID REF TQ459189 AREA 88.7 SQ. KM
 PERIOD OF RECORD 7 7 1964 TO 1 10 1969

SRA THRESHOLD 17.35 GRADE A2
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE
3 9 1965	1.52	21.66	
20 11 1965	2.15	45.20	
29 11 1965	1.34	18.89	
9 12 1965	2.10	41.69	
19 12 1965	1.49	21.16	
10 2 1966	1.71	25.91	
20 2 1966	1.36	19.30	
25 2 1966	1.89	30.61	
23 10 1966	1.56	22.45	
23 1 1967	1.28	17.99	
27 2 1967	1.86	29.63	

DATE	LEVEL	DISCHARGE	NOTE
10 4 1967	1.53	21.70	
25 6 1967	1.42	20.16	
2 11 1967	1.77	27.25	
4 11 1967	2.11	42.41	
14 1 1968	1.75	26.80	
6 2 1968	1.66	24.74	
26 9 1968	1.44	20.48	
22 12 1968	1.34	18.89	
17 1 1969	1.24	17.40	
20 2 1969	1.47	20.81	
13 3 1969	1.91	31.45	

41007

ARUN AT PARK MOUND

GRID REF TQ033200 AREA 403.3 SQ. KM
 PERIOD OF RECORD 24 2 1958 TO 1 10 1969

SRA THRESHOLD 23.70 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE
28 6 1958	4.26	41.47	
6 9 1958	4.38	54.19	
25 9 1958	4.28	42.97	
6 10 1958	4.20	35.91	

DATE	LEVEL	DISCHARGE	NOTE
3 11 1958	4.73	77.56	
14 12 1958	4.47	62.58	
19 12 1958	4.40	56.88	
7 1 1959	4.31	46.13	
22 1 1959	4.32	47.11	

41007

ARUN AT PARK MOUND

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 4 1959	4.11	28.82		22 4 1964	4.32	65.18	
7 12 1959	4.52	65.10		3 6 1964	4.56	79.26	
26 12 1959	4.63	71.18		15 6 1964	3.86	25.37	
24 1 1960	4.77	79.46		26 9 1965	3.88	26.94	
27 2 1960	4.19	34.63		30 11 1965	4.35	66.52	
19 8 1960	4.17	33.39		10 12 1965	4.22	58.86	
9 10 1960	5.04	98.07	2	19 12 1965	4.13	47.77	
21 10 1960	4.32	47.11		2 1 1966	3.98	34.12	
4 11 1960	4.72	76.63		11 2 1966	4.26	61.93	
26 11 1960	4.44	60.82		21 2 1966	4.16	51.24	
5 12 1960	5.09	101.45		25 2 1966	4.54	77.55	
3 1 1961	4.40	56.88		19 4 1966	4.14	49.48	
30 1 1961	4.97	93.26		23 4 1966	3.88	26.34	
28 2 1961	4.40	56.88		23 10 1966	4.63	83.34	
5 5 1961	4.52	65.19		4 12 1966	4.03	38.59	
14 12 1961	4.03	23.90		26 1 1967	4.39	68.90	
31 12 1961	4.06	25.77		21 2 1967	4.01	36.42	
12 1 1962	4.45	61.14		28 2 1967	4.31	64.36	
22 1 1962	4.45	61.14		10 3 1967	4.08	42.96	
10 5 1963	4.43	60.35		3 11 1967	4.37	67.70	
18 4 1963	4.32	47.11		15 9 1968	6.55	291.58	2 4
21 4 1963	4.13	29.90		18 12 1968	4.57	79.45	
19 11 1963	4.93	104.91		18 1 1969	3.93	29.90	
26 11 1963	3.87	26.15		11 2 1969	4.00	35.90	
15 3 1964	4.89	101.44		13 3 1969	4.51	76.06	
20 3 1964	4.29	63.54					

41806

NORTH END ST. AT ALLINGTON FARM

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
7 8 1965	0.71	0.86	4	22 6 1966	0.57	0.60	
3 9 1965	0.60	0.67		6 8 1966	0.48	0.47	
8 9 1965	0.67	0.78	4	22 10 1966	0.67	0.78	4
GUESSED PEAK, NO ESTIMATE MADE				GUESSED PEAK, NO ESTIMATE MADE			
19 11 1965	0.88	1.20	4	20 2 1967	0.60	0.66	4
28 11 1965	0.57	0.62		27 2 1967	0.53	0.54	
9 12 1965	0.83	1.10	4	1 11 1967	0.58	0.63	
18 12 1965	0.55	0.58		4 11 1967	0.94	1.33	4
22 12 1965	0.60	0.67		6 2 1968	0.52	0.53	
5 2 1966	0.53	0.54		9 7 1968	0.65	0.75	4
10 2 1966	0.54	0.60		25 9 1968	0.57	0.60	
20 2 1966	0.51	0.52		11 10 1968	0.67	0.78	4
18 4 1966	0.51	0.52		20 2 1969	0.56	0.60	
COULD BE SLIGHTLY TRUNCATED							

41811

CHESS ST AT CHESS BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
13 1 1965	0.92	5.36		25 2 1966	1.09	6.71	
20 1 1965	1.01	6.09		26 1 1967	0.92	5.43	
20 11 1965	1.35	7.88		20 2 1967	1.02	6.14	
29 11 1965	1.08	6.63		27 2 1967	0.94	5.57	
9 12 1965	1.50	10.29		1 11 1967	1.03	5.04	
19 12 1965	1.03	6.24		4 11 1967	1.21	6.53	
23 12 1965	1.18	7.49		6 2 1968	1.03	6.22	
20 2 1966	1.02	6.14					

41811 CHESS ST AT CHESS BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 10 1968	1.09	6.76		17 1 1969	0.87	4.97	
22 12 1968	0.81	4.57		20 2 1969	1.16	7.27	
				13 3 1969	1.07	6.54	

42002 ITCHEN AT ALLBROOK/HIGHBRIDGE

GRID REF SU461211 AREA 360. SQ.KM HRA GRADE B
 PERIOD OF RECORD 5 7 1958 TO 1 10 1969 ANNUAL MAXIMA
 SIGNIFICANT GAPS
 1 1 1961 TO 28 2 1961 1 8 1963 TO 30 9 1963

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
22 1 1959		8.49		22 3 1965		5.32	
TAKEN FROM WATER YEAR BOOK FOR SIX YEARS				25 2 1966		11.09	
28 1 1960		0.06		8 3 1967		9.20	
4 12 1960		12.37		TAKEN FROM MEAN DAILY DISCHARGES			
21 1 1962		3.60		5 2 1968		8.77	
17 4 1963		11.26		28 1 1969		12.73	
19 11 1963		2.69					

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1960-1961

42006 MEON AT MISLINGFORD

GRID REF SU589141 AREA 72.8 SQ.KM HRA GRADE C
 PERIOD OF RECORD 14 8 1958 TO 3 10 1969 THRESHOLD 1.83 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 11 1958		2.12		20 1 1965		1.56	
6 11 1958		1.84		19 12 1965		2.12	
12 11 1958		1.84		23 12 1965		2.55	
5 1 1959		2.26		2 1 1966		2.83	
6 1 1959		2.55		3 2 1966		2.83	
24 1 1960		3.40		20 2 1966		3.68	
27 1 1960		3.25		25 2 1966		3.96	
20 2 1960		2.55		23 4 1966		2.97	
25 2 1960		2.97		22 10 1966		1.84	
27 2 1960		3.11		20 1 1967		2.41	
11 10 1960		4.81		23 1 1967		3.40	
19 11 1960		4.95		21 2 1967		2.83	
4 12 1960		5.94		28 2 1967		3.11	
2 1 1961		4.24		9 3 1967		3.54	
10 1 1961		4.53		12 3 1967		2.83	
30 1 1961		5.66		8 1 1968		2.26	
8 2 1961		3.82		13 2 1968		1.84	
27 2 1961		3.54		12 9 1968		1.98	
25 4 1961		2.41		10 10 1968		2.26	
4 5 1961		3.68		12 10 1968		2.41	
21 1 1962		2.63		28 10 1968		2.69	
18 3 1963		1.98		2 12 1968		2.55	
26 3 1963		1.84		18 12 1968		2.55	
10 4 1963		2.26		19 12 1968		3.11	
19 11 1963		2.69		22 12 1968		2.97	
15 3 1964		2.12		14 1 1969		4.39	
19 3 1964		2.01		17 1 1969		4.24	
24 3 1964		2.26		28 1 1969		4.24	
				22 2 1969		2.97	
				13 3 1969		3.25	

42801 HERMITAGE ST AT HAVANT

GRID REF SU711068 AREA 17.4 SQ.KM
 PERIOD OF RECORD 1 10 1953 TO 30 9 1969

HRA
 ANNUAL MAXIMA

GRADE B

DATE	LEVEL	DISCHARGE	NOTE
10 2 1954		2.32	
AUTHORITY ESTIMATES AS MARKED ON CHARTS USED			
28 11 1954		5.21	
30 1 1956		4.81	
7 2 1957		7.36	
28 1 1958		9.06	
5 1 1959		6.80	
28 1 1960		8.21	
8 10 1960		14.16	

DATE	LEVEL	DISCHARGE	NOTE
22 12 1961		5.38	
DATE UNCERTAIN			
1 10 1962		5.66	
17 11 1963		6.80	
20 1 1965		6.23	
6 8 1966		6.51	
22 10 1966		15.57	5
13 7 1968		8.83	
17 12 1968		9.54	

43001 AVON AT RINGWOOD

GRID REF SU142054 AREA 1637. SQ.KM
 PERIOD OF RECORD 30 12 1958 TO 2 1 1968

ADRA
 ANNUAL MAXIMA

GRADE A2

DATE	LEVEL	DISCHARGE	NOTE
25 1 1959	14.48	80.39	
24 1 1960	14.29	64.88	
1 11 1960	14.69	112.82	
21 1 1962	14.23	59.85	
18 3 1963	14.11	51.05	

DATE	LEVEL	DISCHARGE	NOTE
19 11 1963	14.23	59.61	
2 8 1965	14.07	48.28	
25 2 1966	14.30	65.61	
10 3 1967	14.27	62.70	

43002 STOUR AT ENSBURY

GRID REF S2088965 AREA 1205. SQ.KM
 PERIOD OF RECORD 20 11 1959 TO 6 10 1969

ADRA
 THRESHOLD

64.00 CUMECS
 GRADE A2

DATE	LEVEL	DISCHARGE	NOTE
9 12 1959	8.29	129.34	
16 12 1959	8.33	139.81	
27 12 1959	8.04	70.18	
25 1 1960	8.30	131.19	
28 2 1960	8.10	80.66	
4 4 1960	8.05	70.73	
3 10 1960	8.26	119.54	
10 10 1960	8.40	166.30	
26 10 1960	8.39	161.80	
3 11 1960	8.26	117.83	
11 11 1960	8.13	87.69	
18 11 1960	8.06	72.40	
5 12 1960	8.36	150.99	
3 1 1961	8.07	74.11	
31 1 1961	8.28	124.80	
4 2 1961	8.05	70.73	
1 3 1961	8.08	76.44	
27 4 1961	8.25	116.14	
31 12 1961	8.08	75.85	
12 1 1962	8.06	73.54	
23 1 1962	8.16	94.53	
15 2 1963	8.26	119.54	
12 3 1963	8.01	64.36	
19 3 1963	8.07	75.26	
20 11 1963	8.28	124.80	
20 3 1964	8.14	89.03	
3 6 1964	8.07	74.11	
31 12 1964	8.08	75.85	
15 1 1965	8.04	69.63	
21 1 1965	8.11	81.90	

DATE	LEVEL	DISCHARGE	NOTE
9 11 1965	8.09	78.22	
30 11 1965	8.23	110.38	
17 12 1965	8.07	74.68	
24 12 1965	8.08	77.62	
3 1 1966	8.07	74.11	
11 2 1966	8.07	74.11	
21 2 1966	8.14	88.36	
26 2 1966	8.32	135.92	
17 4 1966	8.10	80.66	
21 4 1966	8.08	75.85	
20 10 1966	8.13	87.03	
24 10 1966	8.20	102.57	
6 11 1966	8.51	210.47	
24 1 1967	8.16	93.83	
29 1 1967	8.09	78.22	
18 2 1967	8.19	99.58	
1 3 1967	8.19	100.32	
11 3 1967	8.28	124.80	
18 10 1967	8.16	93.83	
2 11 1967	8.17	95.24	
10 1 1968	8.16	94.53	
30 6 1968	8.08	75.85	
10 10 1968	8.10	80.66	
30 10 1968	8.10	80.66	
3 11 1968	8.11	83.16	
19 12 1968	8.07	75.26	
27 12 1968	8.15	91.06	
14 1 1969	8.14	88.36	
18 1 1969	8.13	87.69	
23 2 1969	8.24	114.46	
14 3 1969	8.22	108.78	

43005

AVON AT AHESBURY

GRID REF SU151414 AREA 324. SQ. KM
 PERIOD OF RECORD 26 7 1965 TO 6 10 1969

ADRA THRESHOLD 7.21 GRADE A2
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
24 12 1965		8.15		28 2 1967		10.95	
3 1 1966		8.77		10 3 1967		15.11	
10 2 1966		8.46		9 1 1968		7.70	
26 2 1966		10.95		15 1 1968		9.96	
16 4 1966		9.85		6 2 1968		7.47	
20 4 1966		9.17		18 12 1968		8.46	
6 11 1966		7.22		26 12 1968		9.37	
29 12 1966		7.50		18 1 1969		9.17	
23 1 1967		3.12		23 2 1969		7.64	
21 2 1967		11.97		13 3 1969		9.59	

45001

EXE AT THORVERTON

GRID REF SS936016 AREA 601. SQ. KM
 PERIOD OF RECORD 13 4 1956 TO 2 10 1969

DRA THRESHOLD 97.70 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
22 9 1956	2.27	123.56		14 2 1963	1.98	89.72	
28 9 1956	2.31	127.36		17 11 1963	2.27	122.43	
11 9 1957	2.17	110.78		19 11 1963	2.62	169.80	
13 9 1957	2.13	106.23		16 11 1964	2.10	102.80	
29 10 1957	2.07	100.11		17 11 1964	2.20	113.99	
3 11 1957	2.42	141.96		13 12 1964	2.62	169.80	
10 1 1958	2.17	110.78		16 1 1965	2.71	183.60	
23 9 1958	2.59	165.34		29 11 1965	2.40	139.13	
3 10 1958	2.43	144.01		5 12 1965	2.28	124.31	
5 1 1959	2.37	135.14		9 12 1965	3.01	234.02	
6 1 1959	2.26	121.31		12 12 1965	2.05	97.78	
22 1 1959	2.05	97.78		18 12 1965	3.52	344.34	
26 11 1959	2.19	113.63		22 12 1965	2.13	106.23	
30 11 1959	2.42	141.96		31 12 1965	2.25	120.57	
7 12 1959	2.55	160.50		2 1 1966	2.33	130.05	
20 12 1959	2.11	104.51		16 4 1966	2.13	106.92	
29 12 1959	2.22	117.25		19 4 1966	2.43	144.01	
24 1 1960	2.47	148.98		22 10 1966	2.15	109.02	
1 10 1960	2.58	164.01		10 12 1966	2.39	137.93	
2 10 1960	2.53	157.47		13 12 1966	2.52	156.61	
6 10 1960	2.30	126.21		29 12 1966	2.43	144.01	
8 10 1960	3.04	239.44		31 12 1966	2.59	165.34	
24 10 1960	2.13	106.23		20 2 1967	2.69	181.26	
27 10 1960	3.15	258.96		27 2 1967	2.43	144.01	
4 12 1960	3.64	456.56		17 10 1967	2.12	105.54	
6 12 1960	2.42	141.96		31 10 1967	2.63	172.06	
1 1 1961	2.43	144.01		1 11 1967	2.49	152.34	
29 1 1961	2.68	178.94		4 11 1967	2.40	139.94	
4 2 1961	2.20	115.07		23 12 1967	2.40	139.94	
25 4 1961	2.05	97.78		9 1 1968	3.01	234.02	
10 12 1961	2.17	111.49		10 7 1968	2.85	205.46	
11 12 1961	2.16	109.72		24 12 1968	2.31	127.31	
12 1 1962	2.07	99.44		17 1 1969	2.10	102.46	
21 1 1962	2.07	99.44		29 7 1969	2.09	101.35	

45002

EXE AT STOODLEIGH

 GRID REF SS943178 AREA 422. SQ. KM
 PERIOD OF RECORD 1 4 1960 TO 2 10 1969

 DRA THRESHOLD 79.15 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
3 4 1960	2.81	98.06		28 11 1965	2.87	103.17	
1 10 1960	3.06	122.32	2	5 12 1965	2.83	99.46	
2 10 1960	2.84	101.16	2	9 12 1965	3.59	186.57	
6 10 1960	2.88	104.03	2	18 12 1965	3.87	227.29	
8 10 1960	3.53	178.37	2	31 12 1965	2.84	100.31	
26 10 1960	3.36	156.97	2	2 1 1966	2.78	95.57	
4 12 1960	4.59	339.62	2	19 4 1966	2.72	90.17	
6 12 1960	2.95	111.43	2	10 12 1966	2.94	109.92	
2 1 1961	3.12	128.82	2	13 12 1966	3.16	133.84	
29 1 1961	3.32	152.16	2	29 12 1966	3.04	120.72	2
3 2 1961	2.86	102.31	2	31 12 1966	3.28	147.09	2
11 12 1961	2.83	99.46		1 2 1967	2.64	83.19	
19 1 1962	2.59	79.22		20 2 1967	3.29	147.81	
13 3 1963	2.37	62.81		27 2 1967	3.16	133.84	
17 11 1963	2.98	114.17		16 10 1967	2.68	86.25	
19 11 1963	3.41	162.64		31 10 1967	3.09	125.54	
16 11 1964	2.88	104.03		4 11 1967	2.97	112.95	
17 11 1964	2.95	111.43		22 12 1967	3.09	125.54	
13 12 1964	3.45	167.26		9 1 1968	3.45	168.43	
16 1 1965	3.35	155.11		10 7 1968	3.48	171.07	
				24 12 1968	2.65	83.55	
				18 9 1969	2.73	90.35	

45003

CULM AT WOODMILL

 GRID REF ST021058 AREA 226. SQ. KM
 PERIOD OF RECORD 29 1 1962 TO 2 10 1969

 DRA THRESHOLD 30.00 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
7 2 1963	2.04	36.29		19 4 1966	1.67	33.06	
14 2 1963	2.74	80.73		22 10 1966	2.04	47.79	
9 3 1963	1.96	33.01		29 12 1966	1.70	34.49	
11 3 1963	1.86	30.06		26 1 1967	1.69	33.83	
17 4 1963	2.33	51.75		16 2 1967	2.36	65.30	
20 4 1963	2.06	37.19		20 2 1967	2.17	53.46	
17 11 1963	1.87	30.40		31 10 1967	2.07	48.82	
16 1 1965	1.91	31.44		9 1 1968	2.43	72.63	
20 1 1965	2.46	60.51		27 4 1968	2.34	63.90	
2 8 1965	2.19	54.13		10 7 1968	3.33	202.00	
29 11 1965	2.34	63.90		18 12 1968	1.90	41.72	
9 12 1965	1.84	39.53		22 12 1968	2.12	50.86	
29 12 1965	1.60	30.59		7 1 1969	1.92	42.52	
2 1 1966	2.11	50.78		12 1 1969	1.66	32.69	
25 1 1966	1.67	33.28		17 1 1969	1.73	35.22	
25 2 1966	2.24	56.19		22 2 1969	2.62	92.37	
16 4 1966	1.63	31.66		12 3 1969	1.88	40.93	
				29 7 1969	2.79	114.01	2

45004

AXE AT WHITFORD

 GRID REF SY262953 AREA 298. SQ. KM
 PERIOD OF RECORD 5 11 1964 TO 1 10 1969

 DRA THRESHOLD 49.10 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 12 1964	1.65	67.96	2	19 2 1966	1.55	58.47	
20 1 1965	1.62	65.50	2	25 2 1966	2.01	118.21	
23 7 1965	1.45	49.82		14 10 1966	1.51	55.13	
2 8 1965	1.70	73.34		22 10 1966	1.58	61.34	
29 11 1965	2.16	147.94		16 2 1967	1.61	64.30	
22 12 1965	1.73	76.96		20 2 1967	1.49	52.97	
29 12 1965	1.55	58.47		8 3 1967	1.46	50.34	

45004

AXE AT WHITFORD

DATE	LEVEL	DISCHARGE	NOTE
16 10 1967	1.58	61.34	
31 10 1967	1.52	55.68	
8 1 1968	1.67	69.80	
28 6 1968	1.70	72.94	
10 7 1968	2.51	233.50	

DATE	LEVEL	DISCHARGE	NOTE
18 12 1968	1.70	72.94	
21 12 1968	1.68	70.84	
25 12 1968	1.58	60.87	
12 1 1969	1.66	68.77	
22 2 1969	2.00	116.11	2
12 3 1969	1.75	78.35	
29 7 1969	1.70	72.94	

45005

OTTER AT DOTTON

GRID REF SY087885 AREA 203. SQ.KM
PERIOD OF RECORD 29 9 1962 TO 3 10 1969

DRA THRESHOLD 33.60 GRADE A1
CUMECS

DATE	LEVEL	DISCHARGE	NOTE
1 10 1962	1.64	42.48	8
7 2 1963	1.38	55.53	
14 2 1963	2.24	78.98	
9 3 1963	1.61	40.94	
11 3 1963	1.52	36.46	
17 3 1963	1.54	37.34	
17 4 1963	1.78	50.14	
20 4 1963	2.11	69.71	
17 11 1963	1.60	40.17	
19 3 1964	1.63	42.17	
20 1 1965	1.93	58.42	
2 8 1965	1.52	36.46	
29 11 1965	2.26	79.84	
22 12 1965	1.46	33.63	
10 1 1966	1.82	52.19	
25 1 1966	1.90	56.79	
19 2 1966	1.52	36.46	

DATE	LEVEL	DISCHARGE	NOTE
25 2 1966	1.98	61.76	
14 10 1966	1.50	35.60	
22 10 1966	1.68	44.38	
29 12 1966	1.51	35.89	
25 1 1967	1.58	39.57	
16 2 1967	1.96	60.45	
8 3 1967	1.63	42.02	
8 1 1968	1.97	60.70	
8 5 1968	1.63	41.67	
28 6 1968	1.62	41.17	
10 7 1968	3.62	348.29	2
17 12 1968	1.52	36.27	
21 12 1968	1.78	49.63	
12 1 1969	1.73	46.90	
22 2 1969	2.13	70.88	
12 3 1969	1.67	43.73	
29 7 1969	1.79	50.18	

45006

QUARME AT ENTERWELL

GRID REF SS919356 AREA 20.4 SQ.KM
PERIOD OF RECORD 2 7 1964 TO 2 10 1969

DRA THRESHOLD 4.50 GRADE A1
CUMECS

DATE	LEVEL	DISCHARGE	NOTE
16 11 1964	0.74	4.84	
12 12 1964	1.06	11.38	
13 1 1965	0.76	5.08	
16 1 1965	0.78	5.43	
28 11 1965	0.75	5.03	
9 12 1965	1.05	11.30	2 4
18 12 1965	1.28	18.35	
29 12 1965	0.75	4.93	
31 12 1965	0.82	6.11	
14 10 1966	0.77	5.23	
12 12 1966	0.96	8.89	2 4
28 12 1966	0.80	5.74	
30 12 1966	0.89	7.56	

DATE	LEVEL	DISCHARGE	NOTE
20 2 1967	1.00	9.90	2 4
27 2 1967	0.87	7.14	
30 10 1967	0.88	7.32	1
4 11 1967	0.99	9.61	2 4
22 12 1967	0.77	5.33	
9 1 1968	0.89	7.50	1
2 7 1968	0.73	4.58	
10 7 1968	1.06	11.36	
TREE ACROSS WEIR BLOCKING INLET PIPE			
28 10 1968	0.82	6.06	
21 12 1968	0.76	5.05	
17 1 1969	0.73	4.58	2 4
28 7 1969	0.72	4.50	

45806

CREEDY AT COWLEY

GRID REF SX901967 AREA 262. SQ.KM
PERIOD OF RECORD 23 3 1964 TO 30 9 1969

DRA THRESHOLD 49.00 GRADE C
CUMECS

DATE	LEVEL	DISCHARGE	NOTE
19 1 1965	1.98	49.32	
29 11 1965	2.63	86.57	
17 11 1965	2.65	87.97	

DATE	LEVEL	DISCHARGE	NOTE
9 12 1965	2.22	62.10	
2 1 1966	2.28	65.52	
10 1 1966	3.77	181.70	
25 1 1966	3.07	118.76	
16 4 1966	3.11	122.44	

45806 CREEDEY AT COWLEY

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 2 1966	2.38	71.19		31 10 1967	2.95	109.68	
22 10 1966	2.17	59.60	4	8 1 1968	3.39	146.32	
19 4 1966	2.08	54.73		23 12 1967	2.07	53.94	2
29 12 1966	2.03	52.07		8 5 1968	2.31	67.45	
15 2 1967	2.01	50.84		10 12 1968	2.78	96.62	
20 2 1967	2.11	56.33		24 12 1968	3.18	127.52	
8 3 1967	2.05	53.00		7 1 1969	2.67	89.18	
15 10 1967	2.07	54.10	8	17 1 1969	2.20	60.72	
4 11 1967	2.49	78.22		22 2 1969	3.32	139.41	
				24 2 1969	2.20	60.72	

46002 TEIGN AT PRESTON

GRID REF SX856746 AREA 381. SQ. KM
 PERIOD OF RECORD 13 4 1956 TO 1 10 1969

DRA THRESHOLD 83.50 GRADE A1 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
28 9 1956	2.62	108.30		14 2 1963	2.80	154.73	
1 10 1956	2.63	110.38		9 3 1963	2.89	184.47	
15 12 1956	2.54	90.97		15 3 1963	2.62	106.93	
25 12 1956	2.98	218.73		17 3 1963	2.75	141.41	
27 12 1956	2.83	164.17		20 4 1963	2.62	106.93	
30 12 1956	2.60	103.57		4 11 1963	2.65	113.92	
1 2 1957	2.77	145.74		17 11 1963	2.89	184.47	
5 2 1957	2.51	85.16		19 11 1963	2.60	103.57	
7 2 1957	3.00	224.92		13 1 1965	2.80	154.73	
10 1 1958	2.59	100.29		16 1 1965	2.62	106.93	
9 2 1958	2.62	106.93		19 1 1965	2.63	110.38	
6 6 1958	2.59	100.29		17 11 1965	2.88	182.36	
3 10 1958	3.04	244.33	2	29 11 1965	2.89	184.47	
18 12 1958	2.58	99.65		9 12 1965	2.70	127.45	
17 1 1959	2.59	100.29		18 12 1965	2.77	145.74	
22 1 1959	2.72	133.05		2 1 1966	2.52	88.03	
16 4 1959	2.88	182.36		10 1 1966	3.01	231.24	
25 11 1959	2.95	206.78		25 1 1966	2.97	212.69	
30 11 1959	2.59	102.25		25 2 1966	3.04	244.33	
7 12 1959	2.94	201.01		2 3 1966	2.52	88.03	
24 1 1960	2.90	186.61		25 1 1967	2.59	100.29	
3 2 1960	2.56	95.23		20 2 1967	2.74	137.18	
26 2 1960	2.91	189.86		27 2 1967	2.68	121.29	
3 4 1960	2.59	101.59		22 7 1967	2.52	88.03	
30 9 1960	3.32	391.78	4	16 10 1967	2.85	170.06	2
6 10 1960	3.06	252.48		31 10 1967	2.78	150.18	
8 10 1960	2.62	108.30		4 11 1967	2.69	125.11	
27 10 1960	3.07	255.24		9 1 1968	2.72	133.05	
4 12 1960	3.07	255.24		8 5 1968	2.75	139.05	
27 1 1961	2.98	218.73		10 12 1968	2.58	98.03	
TRUNCATED PEAK				21 12 1968	2.72	130.94	
28 1 1961	3.03	237.72		24 12 1968	2.54	89.98	
TRUNCATED PEAK				7 1 1969	2.83	162.71	
16 1 1962	2.88	179.22		17 1 1969	2.76	141.84	
21 1 1962	2.83	164.17		22 2 1969	2.88	179.09	
29 9 1962	2.54	90.97		12 3 1969	2.55	91.94	
				29 7 1969	2.82	159.58	

46003

DART AT AUSTINS BRIDGE

GRID REF SX751659 AREA 248. SQ.KM
 PERIOD OF RECORD 19 9 1958 TO 1 10 1969

DRA THRESHOLD 109.00 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
23 9 1958	2.31	131.48		13 12 1964	2.28	127.91	
30 9 1958	2.25	125.02		13 1 1965	2.86	196.46	
3 10 1958	2.39	140.45	2	16 11 1965	2.93	204.96	
5 1 1959	2.18	117.78		28 11 1965	2.80	189.02	
17 1 1959	2.77	185.55		9 12 1965	2.37	137.43	
25 4 1959	2.72	178.69	2	18 12 1965	2.64	169.37	
25 11 1959	2.80	188.64		29 12 1965	2.13	112.56	
6 12 1959	2.48	150.03		31 12 1965	2.12	111.95	
20 12 1959	2.13	112.56		10 1 1966	2.28	128.23	
23 1 1960	2.31	131.48		25 1 1966	2.43	144.86	
26 2 1960	3.04	219.50		25 2 1966	3.00	213.71	
30 9 1960	3.63	299.91		2 3 1966	2.60	164.25	
2 10 1960	2.20	119.34		29 12 1966	2.20	119.65	
3 12 1960	3.10	227.32		18 1 1967	2.19	118.71	
27 1 1961	3.07	223.40		25 1 1967	2.20	119.34	
29 1 1961	2.75	182.87		20 2 1967	2.39	140.45	
20 4 1961	2.10	109.54		27 2 1967	2.98	211.03	2
25 4 1961	2.38	138.76		4 9 1967	2.10	109.24	
10 1 1962	2.41	142.14		10 10 1967	2.20	120.28	2
15 1 1962	2.28	128.23		16 10 1967	2.56	158.85	2
21 1 1962	2.61	165.70		30 10 1967	2.21	121.22	
29 9 1962	2.99	212.56		9 1 1968	2.13	112.56	
9 3 1963	2.92	204.21		22 6 1968	2.17	116.22	
3 11 1963	2.31	130.83		25 6 1968	2.83	191.93	
17 11 1963	3.41	268.22		28 6 1968	3.15	232.66	
18 11 1963	2.24	124.38		28 10 1968	2.35	135.10	
19 3 1964	2.17	116.23		21 12 1968	2.67	171.95	
				24 12 1968	2.11	110.22	
				17 1 1969	2.25	124.44	
				28 7 1969	2.85	194.50	

46005

EAST DART AT BELLEVER BRIDGE

GRID REF SX657775 AREA 21.5 SQ.KM
 PERIOD OF RECORD 6 3 1964 TO 1 10 1969

DRA THRESHOLD 26.00 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
13 11 1964	1.58	26.15		20 2 1967	1.58	26.15	
12 12 1964	1.63	28.64		20 2 1967	1.62	28.47	
13 1 1965	1.92	48.99		27 2 1967	1.79	39.14	
16 11 1965	1.81	40.21		22 7 1967	2.08	62.85	
28 11 1965	1.82	40.86		4 9 1967	1.60	26.96	
9 12 1965	1.59	26.64		10 10 1967	1.60	26.96	
18 12 1965	1.63	29.15		16 10 1967	1.66	30.38	
24 2 1966	1.82	40.86		30 10 1967	1.72	34.09	
2 3 1966	1.63	29.15		8 1 1968	1.61	27.50	
14 10 1966	1.64	29.50		24 6 1968	1.86	43.59	
1 12 1966	1.58	26.15		27 6 1968	1.83	41.38	
9 12 1966	1.67	30.92		28 10 1968	1.67	30.90	
28 12 1966	1.76	37.06		21 12 1968	1.68	31.50	
25 1 1967	1.82	41.08		28 7 1969	2.04	58.46	

46801

ERME AT ERME INTAKE

GRID REF SX640632 AREA 14.9 SQ.KM
 PERIOD OF RECORD 1 10 1963 TO 1 9 1970

CP THRESHOLD 15.50 CUMECs GRADE A2

SIGNIFICANT GAPS

1 11 1965 TO 16 11 1965 17 11 1965 TO 25 11 1965 30 11 1965 TO 7 12 1965
 4 5 1966 TO 8 5 1966 6 11 1969 TO 11 11 1969

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 11 1963	0.72	16.00		3 10 1967	0.74	17.98	
18 11 1963	0.80	23.37		10 10 1967	0.78	20.98	
				14 10 1967	0.72	16.24	
13 11 1964	0.74	17.72		30 10 1967	0.76	19.30	
15 11 1964	0.72	16.00		1 11 1967	0.75	19.03	
13 1 1965	0.77	20.13		4 11 1967	0.76	19.85	
19 1 1965	0.73	16.72		18 12 1967	0.71	15.53	
13 7 1965	0.79	22.45		22 6 1968	0.74	17.72	
2 8 1965	0.72	16.00		25 6 1968	0.84	28.02	
16 9 1965	0.75	19.03		27 6 1968	0.88	32.11	
				19 9 1968	0.72	16.48	
9 12 1965	0.71	15.76		28 9 1968	0.71	15.53	
28 12 1965	0.75	18.50					
25 1 1966	0.72	16.24		21 12 1968	0.73	16.72	
21 4 1966	0.73	17.22		28 7 1969	0.78	20.98	
7 8 1966	0.77	20.69					
				13 1 1970	0.72	16.24	
22 10 1966	0.71	15.53		17 1 1970	0.77	20.13	
6 9 1967	0.82	25.29	2	21 1 1970	0.81	24.64	
26 9 1967	0.74	18.24		29 1 1970	0.74	17.98	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1965-1966

46806

AVON AT AVON INTAKE

GRID REF SX681641 AREA 14. SQ.KM
 PERIOD OF RECORD 1 10 1939 TO 31 3 1957

SWDWB THRESHOLD 15.78 CUMECs GRADE A1

SIGNIFICANT GAPS

9 2 1954 TO 19 3 1954

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 11 1939		28.94		20 11 1946		16.31	
23 11 1939		16.84		23 11 1946		28.41	
8 12 1939		16.84		27 11 1946		26.84	
3 2 1940		16.58		28 11 1946		20.00	
18 2 1940		17.36		10 12 1946		21.05	
				12 3 1947		29.47	
31 10 1940		20.78		5 4 1947		20.26	
3 11 1940		19.47					
11 11 1940		26.31		10 1 1948		17.89	
26 2 1941		27.36		31 3 1948		20.26	
23 8 1941		27.36		3 5 1948		15.79	
				21 8 1948		21.31	
14 12 1941		18.94					
23 1 1942		18.42		17 10 1948		22.63	
16 3 1942		17.89		6 11 1948		16.31	
				20 9 1949		17.89	
10 5 1943		27.36					
14 9 1943		18.42		18 10 1949		16.05	
				23 10 1949		18.94	
22 1 1944		15.79		17 11 1949		24.73	
1 7 1944		20.26		20 11 1949		18.94	
DATE UNCERTAIN				1 2 1950		22.89	
17 10 1944		19.47		20 11 1950		19.73	
20 10 1944		26.31		27 11 1950		19.47	
16 11 1944		47.88		5 1 1951		18.94	
27 11 1944		26.84		7 1 1951		17.63	
16 12 1944		36.31		15 9 1951		24.73	
9 2 1945		17.73		25 9 1951		16.31	
19 3 1945		16.05					
5 6 1945		17.36		4 11 1951		24.73	
				24 11 1951		19.47	
11 8 1946		18.36		8 12 1951		20.00	
3 9 1946		20.00		24 12 1951		18.94	
20 9 1946		16.05		28 12 1951		15.79	
				30 1 1952		18.94	

.46806

AVON AT AVON INTAKE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
6 3 1952		17.89		13 1 1955		21.84	
22 5 1953		21.05		3 11 1955		20.26	
21 6 1953		25.26		13 12 1955		21.05	
26 10 1953		19.47		1 8 1956		15.79	
25 7 1954		18.42		8 9 1956		35.78	
23 9 1954		15.79		27 9 1956		37.36	
23 11 1954		28.15		25 12 1956		19.73	
26 11 1954		21.84		27 12 1956		27.36	
27 11 1954		18.68		31 1 1957		16.31	
7 12 1954		16.58		7 2 1957		21.84	
				19 3 1957		15.79	

47001

TAMAR AT GUHNISLAKF

GRID REF SX426725 AREA 917. SQ.KM
 PERIOD OF RECORD 26 6 1956 TO 30 9 1969

CRA THRESHOLD 166.00 GRADE B CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
28 9 1956	2.46	173.97		17 11 1963	2.72	218.57	
28 12 1956	2.75	224.35		20 11 1963	2.50	179.54	
1 2 1957	2.62	200.14		13 1 1965	2.85	244.00	
7 2 1957	2.94	263.33		16 1 1965	2.82	237.95	
10 12 1957	2.46	173.97		20 1 1965	2.59	195.81	
10 1 1958	2.45	171.46		24 1 1965	2.59	195.27	
9 2 1958	2.63	202.87		2 8 1965	2.66	207.85	
19 8 1958	2.49	178.01		17 11 1965	2.83	240.36	
25 8 1958	2.74	223.76		29 11 1965	2.85	245.22	
14 9 1958	2.60	197.43		5 12 1965	2.46	173.97	
3 10 1958	2.89	252.63		9 12 1965	2.74	222.61	
19 12 1958	2.42	166.52		18 12 1965	3.23	326.45	
5 1 1959	3.17	314.33		22 12 1965	2.44	169.48	
22 1 1959	2.80	234.35		31 12 1965	2.48	177.00	
15 11 1959	3.32	348.49		10 1 1966	2.53	185.22	
26 11 1959	3.92	515.00		25 2 1966	3.09	294.94	
6 12 1959	3.01	278.22		22 10 1966	2.67	208.96	
20 12 1959	2.52	184.18		29 12 1966	2.92	258.89	
26 12 1959	2.56	189.42		22 1 1967	2.68	212.33	
28 12 1959	2.46	173.97		20 2 1967	2.61	198.51	
24 1 1960	2.81	236.15		27 2 1967	2.68	212.33	
26 2 1960	2.60	196.89		17 10 1967	3.32	348.49	
3 4 1960	2.98	271.69		31 10 1967	2.75	225.51	
30 9 1960	3.09	294.94		1 11 1967	2.76	227.26	
2 10 1960	3.15	308.02		2 11 1967	2.91	255.75	
8 10 1960	2.55	188.36		4 11 1967	3.46	384.67	
26 10 1960	3.50	395.04	8	23 12 1967	2.46	173.97	
17 11 1960	2.42	166.52		9 1 1968	3.00	274.95	
4 12 1960	3.49	391.03		28 6 1968	2.49	177.50	
27 1 1961	2.42	166.52		2 7 1968	2.44	169.97	
36 1 1961	3.00	275.60		21 12 1968	2.55	187.84	
16 1 1962	2.70	214.59		25 12 1968	3.69	446.69	
6 2 1963	2.85	244.00		17 1 1969	2.68	212.33	
				29 7 1969	3.27	335.90	1

47004

LYNHER AT PILLATON MILL

GRID REF SX368624 AREA 135. SQ.KM
 PERIOD OF RECORD 10 5 1961 TO 30 9 1969
 SIGNIFICANT GAPS
 17 10 1966 TO 3 11 1966

CRA THRESHOLD 23.70 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 10 1961	1.25	24.62		31 12 1965	1.24	24.46	
15 1 1962	1.34	27.00		1 1 1966	1.25	24.54	
21 1 1962	1.28	25.46		10 1 1966	1.55	33.19	
29 9 1962	1.43	29.61		25 1 1966	1.40	28.73	
7 2 1963	1.43	29.61		19 2 1966	1.49	31.30	
18 3 1963	1.24	24.37		25 2 1966	1.94	45.42	
17 11 1963	1.52	32.29	4	29 12 1966	1.45	30.32	
19 11 1963	1.34	27.00	4	22 1 1967	1.62	35.22	
13 1 1965	1.40	28.73	4	20 2 1967	1.34	27.17	
16 1 1965	1.34	27.00	4	27 2 1967	1.41	28.99	
20 1 1965	1.43	29.61	4	16 10 1967	1.67	36.99	
24 1 1965	1.31	26.14	4	1 11 1967	1.73	38.79	
17 11 1965	1.44	30.05	4	2 11 1967	1.57	33.83	
28 11 1965	1.71	38.03	4	4 11 1967	2.07	49.86	
4 12 1965	1.37	27.86	4	6 1 1968	1.28	25.46	
9 12 1965	1.52	32.29	4	9 1 1968	1.59	34.39	
15 12 1965	1.48	31.03	4	28 6 1968	1.60	34.85	
18 12 1965	1.40	28.73	4	27 10 1968	1.26	24.87	
22 12 1965	1.49	31.30	4	21 12 1968	1.64	35.96	
24 12 1965	1.24	24.29		24 12 1968	1.45	30.32	
29 12 1965	1.25	24.62		12 1 1969	1.49	31.39	
				17 1 1969	1.86	42.85	
				29 7 1969	1.95	45.62	

47005

OTTERY AT WERRINGTON PARK

GRID REF SX336866 AREA 121. SQ.KM
 PERIOD OF RECORD 14 4 1961 TO 30 9 1969

CRA THRESHOLD 23.35 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 4 1961	1.71	26.80		29 12 1965	1.64	24.86	
10 10 1961	1.76	28.27		31 12 1965	1.65	25.19	
10 1 1962	1.87	31.41		10 1 1966	2.02	36.25	
16 1 1962	1.92	33.09		25 2 1966	1.82	30.14	
6 2 1963	2.76	61.91		11 5 1966	1.67	25.86	
4 11 1963	1.70	26.62	1	22 10 1966	2.02	36.16	
17 11 1963	2.19	41.81		29 12 1966	2.26	43.91	
19 11 1963	1.64	25.02		23 1 1967	1.95	34.03	
7 12 1964	1.67	25.78		20 2 1967	1.64	24.94	
9 12 1964	1.59	23.47		27 2 1967	2.23	42.91	
13 12 1964	1.60	23.95		16 10 1967	2.65	57.66	4
13 1 1965	2.47	51.35		28 10 1967	1.76	28.18	
14 1 1965	1.64	25.02		31 10 1967	1.97	34.61	
16 1 1965	2.02	36.25		1 11 1967	1.87	31.50	
19 1 1965	1.74	27.66		4 11 1967	2.17	40.92	
2 8 1965	1.99	35.09		23 12 1967	1.79	29.06	
17 11 1965	2.16	40.72		8 1 1968	1.99	35.38	
29 11 1965	2.09	38.44		10 7 1968	2.08	38.14	9
5 12 1965	1.73	27.40		21 12 1968	1.64	24.94	
9 12 1965	2.04	36.84		24 12 1968	2.77	62.50	
18 12 1965	2.50	52.32		14 1 1969	1.78	28.80	
22 12 1965	1.70	26.45		17 1 1969	1.67	25.86	
				16 5 1969	1.63	24.69	
				29 7 1969	2.43	49.95	9

47006

LYD AT LIFTON PARK

GRID REF SX388842 AREA 218. SQ.KM CRA THRESHOLD 57.30 GRADE C
 PERIOD OF RECORD 8 8 1962 TO 30 9 1969 CUMECS
 SIGNIFICANT GAPS
 17 3 1968 TO 12 5 1968 26 5 1968 TO 12 9 1968

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
29 9 1962	1.97	58.85		18 12 1965	2.38	87.20	
7 2 1963	2.06	64.34		25 2 1966	3.06	148.26	
9 3 1963	1.96	58.26		3 8 1966	2.01	61.18	
15 3 1963	2.02	62.16		10 8 1966	1.99	59.82	
4 9 1963	2.26	78.50		22 10 1966	2.46	94.15	9
3 11 1963	2.09	66.77		10 12 1966	2.00	60.79	
10 11 1963	2.01	61.57		29 12 1966	2.56	102.41	
17 11 1963	2.62	106.80		22 1 1967	2.40	89.32	
19 11 1963	2.20	74.55		20 2 1967	2.24	77.18	
13 1 1965	2.59	104.72		27 2 1967	2.15	70.92	
16 1 1965	2.24	77.40		16 10 1967	2.92	134.04	
19 1 1965	2.06	64.74		30 10 1967	2.25	77.84	
24 1 1965	2.32	82.79		1 11 1967	2.29	80.75	
19 7 1965	2.24	77.18		2 11 1967	2.57	103.18	
1 8 1965	2.80	122.82		4 11 1967	4.14	274.70	
17 11 1965	3.11	153.28		8 1 1968	2.62	106.80	
28 11 1965	2.87	120.38		21 12 1968	2.03	71.88	
5 12 1965	1.98	59.63		24 12 1968	2.78	145.71	
9 12 1965	2.16	71.34		17 1 1969	2.02	71.40	
15 12 1965	1.96	58.26		28 7 1969	2.98	169.74	4

47007

YEALM AT PUSLINCH

GRID REF SX574511 AREA 54.9 SQ.KM CRA THRESHOLD 16.50 GRADE B
 PERIOD OF RECORD 17 5 1962 TO 30 9 1969 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
29 9 1962	1.58	16.56		24 2 1966	1.77	20.75	
31 12 1962	1.75	20.32		2 3 1966	1.83	22.16	
17 11 1963	1.98	25.99		21 4 1966	1.73	19.75	
18 11 1963	1.74	19.96		6 8 1966	1.82	22.08	
19 11 1963	1.60	16.82		22 10 1966	1.83	22.16	
19 3 1964	1.84	22.46		28 1 1967	1.69	18.84	4
23 3 1964	1.70	19.25		20 2 1967	1.77	20.68	
13 1 1965	1.75	20.25		27 2 1967	1.72	19.54	
19 1 1965	1.75	20.39		10 10 1967	1.58	18.19	
24 1 1965	1.86	22.99		30 10 1967	1.49	16.87	
2 8 1965	1.85	22.84		1 11 1967	1.65	19.28	
11 11 1965	1.74	19.96		4 11 1967	1.67	19.57	
28 11 1965	1.95	25.27		8 1 1968	1.49	16.78	
9 12 1965	1.79	21.34		25 6 1968	1.65	19.23	
18 12 1965	1.78	20.97		28 6 1968	1.93	23.79	5
22 12 1965	1.81	21.78		2 7 1968	1.53	17.34	
29 12 1965	1.81	21.86		21 12 1968	1.58	18.23	
25 1 1966	1.71	19.32		12 3 1969	1.50	16.96	
				28 7 1969	1.77	21.17	

48002

FOWEY AT RESTORMEL

GRID REF SX108613 AREA 171. SQ.KM CRA THRESHOLD 37.00 GRADE B
 PERIOD OF RECORD 7 4 1961 TO 30 9 1969 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 10 1961	1.26	40.94		17 11 1963	1.63	83.36	
15 1 1962	1.35	49.77		18 11 1963	1.35	49.15	
29 9 1962	1.55	72.51		13 1 1965	1.40	54.61	
31 12 1962	1.79	108.60		16 1 1965	1.53	70.92	
20 4 1963	1.24	39.30		19 1 1965	1.80	110.16	

48002

FOWEY AT RESTORMEL

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 11 1965	1.27	42.05		16 10 1967	1.82	114.39	
29 11 1965	1.80	111.21		30 10 1967	1.26	40.94	
5 12 1965	1.30	44.34		1 11 1967	1.57	75.34	
9 12 1965	1.35	49.77		2 11 1967	1.38	52.97	
15 12 1965	1.45	60.45		4 11 1967	2.41	249.16	
18 12 1965	1.53	70.14		19 12 1967	1.25	40.11	
22 12 1965	1.58	76.98		6 1 1968	1.28	42.33	
24 12 1965	1.26	41.21		8 1 1968	1.43	58.00	
29 12 1965	1.25	39.84		28 6 1968	1.48	63.70	
10 1 1966	1.70	94.73		28 10 1968	1.22	37.19	
25 1 1966	1.59	77.81		21 12 1968	1.38	52.32	
19 2 1966	1.33	47.92		25 12 1968	2.02	151.99	
25 2 1966	1.84	118.17		12 1 1969	1.35	49.46	
29 12 1966	1.43	58.00		17 1 1969	1.61	81.20	
22 1 1967	1.65	86.45		28 7 1969	1.28	42.62	
27 2 1967	1.50	66.68					

48003

FAL AT TREGONY

GRID REF SW921447 AREA 89.4 SQ.KM
 PERIOD OF RECORD 10 4 1961 TO 30 9 1969

CRA THRESHOLD 6.38 GRADE C
 CUMEDCS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 12 1961	1.33	6.81		19 12 1965	1.86	11.99	
23 1 1962	1.64	9.70		24 12 1965	1.89	12.32	
31 12 1962	2.11	14.82		4 1 1966	1.73	10.66	
6 2 1963	1.36	7.13		10 1 1966	1.45	7.92	
15 2 1963	1.46	7.98		25 1 1966	1.85	11.92	
18 3 1963	1.40	7.43	9	25 2 1966	2.10	14.75	
20 4 1963	1.60	9.37		2 3 1966	1.88	12.25	
4 11 1963	1.56	8.99		7 5 1966	1.38	7.24	
19 11 1963	1.99	13.48		14 10 1966	2.16	15.44	
24 11 1963	1.37	7.16		17 10 1966	1.53	8.61	
18 3 1964	2.03	13.90		23 10 1966	1.74	10.76	
24 3 1964	1.52	8.55		29 12 1966	1.63	9.64	
13 1 1965	1.46	7.98		22 1 1967	1.80	11.37	
17 1 1965	1.51	8.46		25 1 1967	1.46	8.04	
20 1 1965	1.95	13.06		27 2 1967	1.49	8.26	
24 1 1965	1.48	8.15		9 3 1967	1.50	8.38	
16 11 1965	1.31	6.63		13 3 1967	1.35	7.02	
29 11 1965	1.95	13.06		5 11 1967	1.28	6.40	
1 12 1965	1.35	6.97		21 2 1968	1.40	7.46	
5 12 1965	1.87	12.15		21 12 1968	1.31	6.71	
9 12 1965	1.63	9.64		25 12 1968	1.46	8.04	
				12 1 1969	1.44	7.81	

49001

CAMEL AT DENBY

GRID REF SX017682 AREA 209. SQ.KM
 PERIOD OF RECORD 11 8 1964 TO 30 9 1969

CRA THRESHOLD 29.40 GRADE B
 CUMEDCS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
13 1 1965	1.95	35.20		25 2 1966	2.16	39.54	4
16 1 1965	2.33	43.29		2 3 1966	1.86	33.22	
20 1 1965	2.42	45.28		22 10 1966	1.71	30.06	
14 7 1965	1.76	31.19		29 12 1966	2.36	43.95	
2 8 1965	1.94	34.88		22 1 1967	2.25	41.51	
28 11 1965	2.31	42.83		27 2 1967	2.01	36.43	
5 12 1965	1.74	30.75		16 10 1967	2.56	48.16	
9 12 1965	1.94	34.88		1 11 1967	1.91	34.18	
18 12 1965	2.37	44.15		2 11 1967	1.68	29.56	
22 12 1965	2.07	37.65		4 11 1967	2.89	55.64	
10 1 1966	2.20	40.30		19 12 1967	2.01	36.30	
25 1 1966	1.92	34.50		23 12 1967	1.75	30.88	

49001 CAMEL AT DENBY							
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
8 1 1968	1.93	35.01		25 12 1968	2.76	52.77	
27 6 1968	1.98	35.65		17 1 1969	2.25	41.51	

49002 HAYLE AT ST ERTH							
GRID REF	SW549342	AREA	48.95 SQ.KM	CRA		GRADE	A1
PERIOD OF RECORD	26 2 1957 TO		30 9 1969	THRESHOLD	3.00	CUMECS	
SIGNIFICANT GAPS	1 11 1966 TO	20 2 1967	8 8 1967 TO	3 1 1968			
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 1 1958	0.99	6.29		28 3 1962	0.80	3.52	
13 2 1958	0.87	4.46		30 9 1962	0.91	5.07	
16 3 1958	0.97	5.93		1 1 1963	1.24	15.00	
5 1 1959	1.13	8.92		5 2 1963	1.01	6.66	
21 1 1959	0.93	5.30		9 2 1963	1.05	7.33	
26 11 1959	0.77	3.10		21 3 1963	0.97	5.98	
29 12 1959	1.05	7.33		20 4 1963	0.94	5.49	
24 1 1960	0.91	5.07		29 4 1963	0.85	4.17	
19 3 1960	0.84	4.01		20 11 1963	0.82	3.87	
30 9 1960	0.96	5.78		28 11 1963	0.75	3.05	
8 10 1960	1.04	7.21		20 1 1965	0.82	3.79	
24 10 1960	0.98	6.18		5 12 1965	1.01	6.67	
25 11 1960	1.06	7.68		29 12 1965	0.97	5.99	
2 1 1961	1.00	6.50		25 2 1966	1.07	7.75	
24 1 1961	0.99	6.29		2 3 1966	0.95	5.70	
29 1 1961	1.18	10.14		23 10 1966	0.93	5.36	
23 2 1961	0.79	3.39		17 1 1969	0.74	3.60	
10 12 1961	0.87	4.50		19 3 1969	0.70	3.19	
15 1 1962	1.02	6.77					
23 1 1962	1.12	8.79					
RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM							
1966-1967 1967-1968							

49901 CAMEL AT GROGLEY							
GRID REF	SX017682	AREA	209. SQ.KM	CRA		GRADE	D
PERIOD OF RECORD	3 4 1957 TO		30 9 1965	THRESHOLD	29.40	CUMECS	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
8 6 1957	2.74	44.13		17 11 1960	2.11	30.26	
4 11 1957	2.09	29.89		4 12 1960	2.85	46.60	
27 1 1958	2.13	30.83	9	27 1 1961	2.52	39.18	
10 2 1958	2.50	38.64		29 1 1961	2.78	44.97	
25 8 1958	2.87	46.96		10 10 1961	2.47	37.97	
2 11 1958	2.70	43.08		30 9 1962	2.43	37.03	
6 11 1958	2.68	42.60		31 12 1962	2.72	43.50	
18 12 1958	2.09	29.83		6 2 1963	2.67	42.32	
5 1 1959	2.97	49.40		9 2 1963	2.15	31.08	
22 1 1959	2.48	38.10		17 11 1963	2.72	43.64	
15 11 1959	2.72	43.57		20 11 1963	2.67	42.39	
25 11 1959	3.20	54.19		13 1 1965	2.44	37.23	
6 12 1959	2.95	48.97		16 1 1965	2.73	43.85	
24 1 1960	2.40	36.50	4	20 1 1965	2.81	45.68	
4 4 1960	2.43	37.17	4	14 7 1965	2.13	30.70	
2 10 1960	2.98	49.69		2 8 1965	2.37	35.84	

50001

TAW AT UMBERLEIGH

GRID REF SS608237 AREA 826. SQ.KM
 PERIOD OF RECORD 26 9 1958 TO 6 10 1969

DRA THRESHOLD 125.00 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 10 1958	2.66	187.31		2 8 1965	2.65	185.68	
5 1 1959	2.52	172.48		29 11 1965	2.31	151.03	
14 11 1959	2.37	157.14		5 12 1965	2.22	142.31	
26 11 1959	2.24	143.50		9 12 1965	3.04	229.72	
30 11 1959	2.58	178.55		18 12 1965	3.93	338.99	
7 12 1959	2.32	151.94		2 1 1966	2.50	169.94	
20 12 1959	2.13	132.90		10 1 1966	2.22	142.01	
29 12 1959	2.47	167.42		16 4 1966	2.27	147.40	
21 1 1960	2.47	167.42		19 4 1966	2.33	152.55	
24 1 1960	2.65	186.33		22 10 1966	2.34	154.07	
30 9 1960	3.38	269.43		10 12 1966	2.24	144.40	
6 10 1960	3.73	313.24		13 12 1966	2.40	160.23	
8 10 1960	3.40	272.41		29 12 1966	2.67	188.62	
23 10 1960	2.17	136.70		31 12 1966	2.19	139.05	
27 10 1960	4.07	374.10		20 2 1967	2.70	191.58	
4 12 1960	4.48	540.67		27 2 1967	2.40	159.61	
6 12 1960	2.06	126.38		17 10 1967	2.43	162.72	
30 1 1961	3.03	227.96		31 10 1967	3.27	256.56	
10 12 1961	2.06	126.38		4 11 1967	3.01	226.21	
14 2 1963	2.10	130.58		23 12 1967	2.22	142.01	
4 11 1963	2.31	151.33		9 1 1968	4.56	581.78	2 4
17 11 1963	2.19	139.05		28 6 1968	2.07	126.76	2
19 11 1963	2.69	189.94		2 7 1968	2.72	193.03	
17 11 1964	2.52	172.79		10 7 1968	2.84	206.20	
13 12 1964	2.32	151.64		25 12 1968	3.45	277.59	
13 1 1965	2.05	125.40		7 1 1969	2.22	141.52	
16 1 1965	2.98	222.04		17 1 1969	2.37	156.39	
				22 2 1969	2.57	177.00	
				29 7 1969	2.47	166.59	
				12 8 1969	2.13	132.85	

50002

TORRIDGE AT NEWBRIDGE

GRID REF SS500185 AREA 663. SQ.KM
 PERIOD OF RECORD 6 7 1960 TO 30 9 1969

DRA THRESHOLD 158.80 GRADE A1
 CUMECS

SIGNIFICANT GAPS
 7 12 1960 TO 5 2 1962

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 9 1960	4.76	423.74	2 4	31 12 1965	2.95	162.39	
1 10 1960	4.01	303.64	2 4	10 1 1966	2.92	158.98	
8 10 1960	3.13	183.57	2	25 2 1966	3.14	183.93	
24 10 1960	3.35	209.95		22 10 1966	3.06	174.58	
27 10 1960	4.03	305.88		29 12 1966	3.40	216.24	2
4 12 1960	4.05	309.04		20 2 1967	3.01	169.30	
9 3 1963	2.52	118.10		27 2 1967	3.26	198.80	
17 11 1963	3.22	194.28		17 10 1967	3.47	225.85	
19 11 1963	2.92	159.32		31 10 1967	3.38	214.66	
13 12 1964	2.97	164.10		4 11 1967	3.75	265.09	2
13 1 1965	3.37	213.09		23 12 1967	2.98	165.82	
16 1 1965	3.33	208.01		9 1 1968	3.87	281.59	
2 8 1965	3.53	234.01		28 6 1968	3.10	178.89	
29 11 1965	3.00	167.90		2 7 1968	3.15	184.83	
9 12 1965	3.57	238.99		10 7 1968	3.30	203.26	2
18 12 1965	4.16	325.08		25 12 1968	3.61	244.17	2
				29 7 1969	4.08	312.94	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1961-1962

52003

HALSE WATER AT BISHOPS HULL

GRID REF ST206253 AREA 87.8 SQ.KM
 PERIOD OF RECORD 7 11 1961 TO 7 10 1969

SORA THRESHOLD 5.00 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 12 1961	18.36	8.35		19 4 1966	18.55	12.66	
12 1 1962	17.90	5.31	2	29 12 1966	17.89	5.24	
16 1 1962	18.15	6.41		16 2 1967	18.23	6.72	
21 1 1962	18.37	8.70		20 2 1967	18.55	12.66	
18 11 1962	18.56	12.74		27 2 1967	18.18	6.54	
14 2 1963	18.73	17.55		12 3 1967	17.86	5.11	
11 3 1963	18.01	5.81		31 10 1967	18.21	6.64	
17 4 1963	18.19	6.56	2	4 11 1967	18.19	6.59	
19 11 1963	17.86	5.14		9 1 1968	18.44	9.93	
20 1 1965	18.34	8.02		21 4 1968	18.14	6.34	
29 11 1965	18.07	6.05		10 7 1968	19.02	28.32	
5 12 1965	17.89	5.26		18 12 1968	18.11	6.21	
9 12 1965	18.36	8.41		22 12 1968	18.01	5.78	
18 12 1965	18.28	7.02		25 12 1968	18.36	8.35	
23 12 1965	17.99	5.70		7 1 1969	18.12	6.25	
29 12 1965	17.89	5.27		17 1 1969	17.95	5.53	
2 1 1966	18.19	6.59		22 2 1969	18.73	17.45	
25 2 1966	18.31	7.58		13 3 1969	18.16	6.43	
16 4 1966	18.26	6.88		29 7 1969	18.37	8.70	
				18 9 1969	18.10	6.17	

52004

ISLE AT ASHFORD MILL

GRID REF ST361188 AREA 90.1 SQ.KM
 PERIOD OF RECORD 17 9 1962 TO 2 10 1969

SORA THRESHOLD 17.80 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
7 2 1963	1.82	23.60	2	5 11 1966	1.69	21.45	
14 2 1963	2.09	27.91		6 11 1966	1.55	19.34	
9 3 1963	1.71	21.83		22 1 1967	1.50	18.60	
17 4 1963	1.52	18.87		25 1 1967	1.60	20.04	
20 4 1963	1.70	21.69		16 2 1967	1.63	20.65	
17 11 1963	1.66	21.07		20 2 1967	1.67	21.21	
19 3 1964	1.61	20.27		8 3 1967	1.52	18.83	
20 1 1965	1.74	22.26		16 10 1967	1.54	19.20	
2 8 1965	1.80	23.17		31 10 1967	1.72	21.92	
29 11 1965	2.07	27.51	9	8 1 1968	1.78	22.97	
22 12 1965	1.51	18.73		28 6 1968	1.51	18.69	
29 12 1965	1.60	20.04		10 7 1968	2.09	27.86	
1 1 1966	1.60	20.13		17 12 1968	1.90	24.86	
19 2 1966	1.46	17.95		21 12 1968	1.91	24.96	
25 2 1966	2.00	26.48		25 12 1968	1.63	20.65	
22 10 1966	1.78	22.93		22 2 1969	2.04	27.12	
				12 3 1969	1.64	20.69	
				29 7 1969	1.72	21.92	
				12 8 1969	1.53	19.10	

52005

TONE AT BISHOPS HULL

GRID REF ST206250 AREA 202. SQ.KM
 PERIOD OF RECORD 6 1 1961 TO 7 10 1969

SORA THRESHOLD 21.10 GRADE B
 CUMECS

SIGNIFICANT GAPS

27 1 1961 TO 3 2 1961

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 12 1961	2.05	32.31		15 3 1963	1.56	21.96	
16 1 1962	1.91	27.77		17 3 1963	1.57	22.11	
21 1 1962	2.27	43.88		17 4 1963	1.99	29.22	
18 11 1962	2.20	40.10		17 11 1963	1.63	22.97	
14 2 1963	2.63	68.06		19 11 1963	1.54	21.61	
9 3 1963	1.55	21.76		13 1 1965	1.73	24.70	
11 3 1963	1.64	23.18		16 1 1965	1.57	22.01	

52005 TONE AT BISHOPS HULL

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
23 1 1965	2.31	46.22	2	31 10 1967	1.87	27.05	
29 11 1965	2.02	30.88		1 11 1967	1.64	23.23	
5 12 1965	1.63	22.97		4 11 1967	1.57	22.11	
9 12 1965	2.11	35.30		9 1 1968	2.30	45.31	
17 12 1965	1.85	26.74		11 7 1968	2.36	112.66	
18 12 1965	1.99	29.49		18 12 1968	1.50	52.67	
23 12 1965	1.79	25.77		22 12 1968	1.31	42.35	
29 12 1965	1.65	23.33		25 12 1968	1.51	53.02	
2 1 1966	2.04	31.73		7 1 1969	1.58	57.38	
25 2 1966	2.19	39.44		13 1 1969	0.88	22.03	
2 3 1966	1.55	21.71		17 1 1969	1.25	39.06	
16 4 1966	2.13	35.92		22 1 1969	0.86	21.54	
19 4 1966	2.36	49.01		22 2 1969	2.06	89.16	
22 10 1966	1.70	24.29		12 3 1969	1.43	48.58	
29 12 1966	1.67	23.68		14 3 1969	1.08	30.92	
16 2 1967	2.07	33.04		29 7 1969	1.83	73.18	
19 2 1967	1.98	28.85		19 9 1969	1.67	63.05	1
20 2 1967	2.22	40.94		PEAK MISSED			
27 2 1967	1.81	26.03					

52006 YEO AT PEN HILL

GRID REF	ST573162	AREA	132.4 SQ.KM	SORA	THRESHOLD	30.80	GRADE	A1
PERIOD OF RECORD	18	5 1962 TO	2 10 1969				CUMECS	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE	
7 2 1963	3.18	32.71		22 10 1966	3.18	32.71		
8 2 1963	3.18	32.71		4 11 1966	4.02	46.35		
14 2 1963	4.75	70.17		23 1 1967	3.10	31.78		
9 3 1963	3.49	36.54		17 2 1967	3.58	37.61		
11 3 1963	3.04	31.04		27 2 1967	3.18	32.71		
17 3 1963	3.65	38.56		9 3 1967	3.12	31.96		
17 4 1963	3.40	35.45		4 5 1967	3.62	38.14		
20 4 1963	3.77	40.06		16 10 1967	3.56	37.34		
17 11 1963	3.84	41.29		31 10 1967	3.21	33.12		
19 3 1964	3.86	41.86		9 1 1968	3.44	35.90		
13 1 1965	3.76	39.91		28 6 1968	3.18	32.71		
20 1 1965	3.33	34.58		10 7 1968	3.44	35.86		
29 11 1965	3.85	41.70		28 10 1968	3.03	30.85		
23 12 1965	3.21	33.08		22 12 1968	3.62	38.18		
29 12 1965	3.35	34.77		25 12 1968	3.44	35.90		
25 2 1966	3.97	45.05		22 2 1969	3.93	43.94		
				13 3 1969	3.74	39.67		

52009 SHEPPEY AT FENNY CASTLE

GRID REF	ST498439	AREA	59.6 SQ.KM	SORA	THRESHOLD	4.20	GRADE	A2
PERIOD OF RECORD	31 12 1963 TO	1 10 1969					CUMECS	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE	
10 8 1966 TO				10 6 1966	0.72	5.27		
6 9 1966				14 10 1966	0.65	4.66		
				22 10 1966	0.74	5.45		
				5 11 1966	1.08	8.22		
				6 11 1966	0.89	6.68		
				29 12 1966	1.01	7.71		
				20 2 1967	0.63	4.51		
				26 5 1967	0.60	4.26		
				27 5 1967	0.66	4.79		
				28 10 1967	0.60	4.26		
				31 10 1967	0.64	4.56		
				8 1 1968	0.79	5.89		
				10 7 1968	1.21	9.27		

52009 SHEPPEY AT FENNY CASTLE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 12 1968	0.67	4.81		29 7 1969	0.71	5.20	

52010 BRUE AT LOVINGTON

GRID REF ST590318 AREA 135. SQ.KM				SORA THRESHOLD 20.40 GRADE A1 CUMECs			
PERIOD OF RECORD 1 10 1964 TO 8 10 1969							
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
29 12 1964	1.72	21.63		29 12 1966	2.13	29.83	
23 7 1965	2.14	30.16		17 2 1967	1.68	20.99	
2 8 1965	4.02	79.95		20 2 1967	1.82	23.37	
				9 3 1967	1.74	21.90	
29 11 1965	2.25	32.52					
12 12 1965	1.96	26.27		16 10 1967	1.81	23.26	
17 12 1965	1.95	26.14		31 10 1967	1.82	23.48	
2 1 1966	2.07	28.58		9 1 1968	2.57	39.97	
10 2 1966	2.13	29.83		28 6 1968	2.39	35.72	
19 4 1966	1.95	25.95		10 7 1968	3.86	75.02	
22 4 1966	1.81	23.26					
14 10 1966	1.87	24.45		17 12 1968	1.67	20.78	
22 10 1966	2.58	40.19		22 12 1968	1.76	22.39	
5 11 1966	3.81	73.46		25 12 1968	2.06	28.38	
				13 3 1969	1.74	22.06	

53001 AVON AT MELKSHAM

GRID REF ST903641 AREA 666. SQ.KM				BARA THRESHOLD 35.00 GRADE D CUMECs			
PERIOD OF RECORD 3 12 1937 TO 2 10 1969							
SIGNIFICANT GAPS 3 11 1951 TO 10 11 1951 16 10 1954 TO 13 11 1954							
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 1 1938	33.07	39.85	2 4	25 11 1946	33.34	45.87	
16 1 1939	33.13	41.16		28 11 1946	33.72	104.20	
27 1 1939	33.64	90.29		13 3 1947	34.10	175.65	
24 11 1939	32.97	37.91		17 3 1947	33.58	79.18	
9 12 1939	33.61	84.58		24 3 1947	32.93	36.96	
28 1 1940	33.52	69.29		7 4 1947	32.91	36.65	
5 2 1940	33.68	96.32					
9 2 1940	33.49	64.44		13 1 1948	33.10	40.50	
19 3 1940	33.10	40.50		15 12 1948	33.40	47.61	
14 11 1940	33.43	49.79		31 12 1948	33.08	40.17	
23 11 1940	33.25	43.82					
22 1 1941	33.42	48.12		4 2 1950	33.46	56.67	
8 3 1941	33.46	56.67		11 2 1950	33.46	56.67	
25 1 1942	33.22	43.15		21 5 1950	32.91	36.65	8
2 11 1942	33.13	41.16		30 9 1950	33.25	43.82	
17 12 1942	33.11	40.83		20 11 1950	33.87	134.50	
7 1 1943	33.48	60.44		28 11 1950	33.22	43.15	
13 1 1943	33.00	38.55		1 12 1950	33.46	56.67	
1 2 1943	33.68	96.32		5 1 1951	33.58	79.18	
23 1 1944	31.71	15.33		8 1 1951	33.13	41.16	
18 11 1944	33.40	47.61		10 1 1951	33.43	49.79	
24 11 1944	33.19	42.48		4 2 1951	32.99	38.23	
17 12 1944	33.07	39.85	8	18 2 1951	33.36	46.21	
1 2 1945	33.00	38.55		24 2 1951	33.28	44.50	
12 2 1945	33.36	46.21		8 4 1951	33.49	64.44	
29 12 1945	33.68	96.32					
4 2 1946	33.55	74.09		10 11 1951	33.45	53.13	
9 2 1946	33.17	42.15		13 11 1951	32.97	37.91	
6 9 1946	33.32	45.52		25 11 1951	33.22	43.15	
21 11 1946	33.00	38.55		2 1 1952	33.04	39.20	
				9 3 1952	33.55	74.09	
				5 5 1952	33.58	79.18	
				23 11 1952	33.46	56.67	
				28 11 1952	33.49	64.44	
				21 12 1952	33.20	42.82	

53001

AVON AT MELKSHAM

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 2 1954	32.91	36.65		15 4 1961	32.91	36.65	
18 2 1954	32.97	37.91		25 4 1961	32.96	37.60	
8 6 1954	32.91	36.65					
14 6 1954	33.77	112.61		11 1 1962	33.52	69.29	
				22 1 1962	33.52	69.29	
12 11 1954	32.95	37.47	2				
27 11 1954	33.61	84.58	2	10 3 1963	32.94	37.28	
9 12 1954	33.60	81.84		14 3 1963	32.93	36.96	
11 1 1955	33.08	40.17		18 3 1963	33.34	45.87	
16 1 1955	33.58	79.18					
4 6 1955	32.96	37.60		11 11 1963	33.22	43.15	
				20 11 1963	33.80	118.54	
24 1 1956	33.28	44.50		19 3 1964	33.49	64.44	
31 1 1956	33.55	74.09		24 3 1964	32.97	37.91	
16 12 1956	32.94	37.28		20 7 1965	33.04	39.20	
28 12 1956	32.97	37.91					
1 2 1957	33.10	40.50		29 11 1965	33.23	43.49	
8 2 1957	33.54	71.65		5 12 1965	33.22	43.15	
20 3 1957	32.96	37.60		9 12 1965	33.58	79.18	
				19 12 1965	33.71	101.51	
5 11 1957	33.23	43.49		23 12 1965	33.40	47.61	
11 1 1958	33.13	41.16		30 12 1965	33.04	39.20	
29 1 1958	33.11	40.83		1 1 1966	33.16	41.82	
11 2 1958	32.97	37.91		10 2 1966	33.46	56.67	
25 2 1958	33.61	84.58		26 2 1966	33.52	69.29	
3 6 1958	33.61	84.58		16 4 1966	33.04	39.20	
				20 4 1966	33.55	74.09	
5 10 1958	33.40	47.61					
3 11 1958	33.22	43.15		23 10 1966	33.22	43.15	
19 12 1958	33.10	40.50		6 11 1966	32.99	38.23	
2 1 1959	33.19	42.48		29 12 1966	32.97	37.91	
7 1 1959	33.54	71.65		31 12 1966	33.28	44.50	
22 1 1959	33.58	79.18		21 2 1967	33.64	90.29	
17 4 1959	33.04	39.20		28 2 1967	33.63	87.39	
13 5 1959	32.97	37.91		9 3 1967	33.43	49.79	
				28 5 1967	33.29	44.84	
15 12 1959	33.11	40.83					
21 12 1959	33.42	48.12		17 10 1967	33.20	42.82	
26 12 1959	32.91	36.65		28 10 1967	33.40	47.61	
21 1 1960	32.91	36.65		6 11 1967	33.32	45.52	
24 1 1960	33.63	87.39		9 1 1968	33.26	44.16	
28 1 1960	33.48	60.44		14 1 1968	33.36	46.21	
				11 7 1968	34.25	197.79	
7 10 1960	33.00	38.55					
25 10 1960	33.22	43.15		2 11 1968	33.16	41.82	
27 10 1960	33.80	118.54		27 11 1968	33.28	44.50	
1 11 1960	33.25	43.82		1 12 1968	33.40	47.61	
17 11 1960	33.61	84.58		17 12 1968	33.43	49.79	
25 11 1960	33.60	81.84		22 12 1968	33.58	79.18	
4 12 1960	34.01	163.22		25 12 1968	33.61	84.58	
28 12 1960	33.04	39.20		18 1 1969	33.26	44.16	
2 1 1961	33.19	42.48		22 2 1969	32.94	37.28	
10 1 1961	32.96	37.60		14 3 1969	33.43	49.79	
30 1 1961	33.45	53.13		19 3 1969	32.94	37.28	
28 2 1961	33.04	39.20		26 5 1969	33.77	112.61	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
1951-1952

53003

AVON AT BATH

GRID REF	SY752651	AREA	1600. SQ.KM	BARA	GRADE	A1	
PERIOD OF RECORD	25 11 1939 TO		6 10 1969	THRESHOLD	77.00	CUMECS	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 11 1939	18.01	110.22		14 11 1940	18.45	147.89	
4 12 1939	17.40	80.31		22 1 1941	17.84	97.82	
9 12 1939	18.12	118.83		8 3 1941	18.04	112.41	
28 1 1940	17.92	103.10					
4 2 1940	18.42	145.12		24 1 1942	17.50	84.41	
8 2 1940	17.72	92.98					
18 3 1940	17.48	83.32		18 12 1942	17.38	79.71	
				6 1 1943	17.78	93.40	
4 11 1940	17.83	97.22		12 1 1943	17.67	91.17	

53003

AVON AT BATH

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 2 1943	18.47	149.28		8 2 1957	17.97	107.35	
24 12 1943	17.21	72.73		5 11 1957	17.80	96.01	
18 11 1944	18.10	117.58		10 1 1958	17.44	82.12	
23 11 1944	17.86	98.47		25 2 1958	18.34	138.04	
28 11 1944	17.60	88.27		3 6 1958	17.70	92.14	
17 12 1944	17.83	97.46		24 9 1958	17.49	83.93	
1 2 1945	17.37	79.35		4 10 1958	17.75	94.19	
4 2 1945	17.38	79.59		19 12 1958	17.73	93.59	
12 2 1945	17.90	101.93		2 1 1959	17.70	92.38	
28 12 1945	17.73	93.59	8	7 1 1959	18.01	110.22	
4 2 1946	18.22	127.74		22 1 1959	18.68	169.45	
9 2 1946	17.70	92.38		8 12 1959	17.55	86.22	
4 9 1946	17.41	80.91		15 12 1959	17.73	93.47	
24 11 1946	17.83	97.22		20 12 1959	17.57	87.19	
29 11 1946	18.66	167.97		24 1 1960	18.68	169.45	
8 12 1946	17.43	81.64		9 10 1960	17.69	91.90	
13 1 1947	17.48	83.69		22 10 1960	17.44	82.12	
13 3 1947	19.96	282.32		27 10 1960	19.44	236.44	
17 3 1947	17.93	103.80		1 11 1960	17.57	86.94	
23 3 1947	17.49	83.93		18 11 1960	17.62	89.12	
6 4 1947	17.44	81.88		26 11 1960	17.82	97.10	
13 1 1948	17.83	97.46		4 12 1960	20.69	351.52	4
30 1 1948	17.57	86.94		28 12 1960	17.34	77.90	
19 10 1948	17.37	79.11	2 4	2 1 1961	17.62	88.88	
12 12 1948	17.92	103.56		30 1 1961	18.53	155.49	
30 12 1948	17.67	91.17		2 2 1961	17.43	81.52	
26 10 1949	17.49	83.93		27 2 1961	17.37	79.11	
6 2 1950	18.05	113.14		25 4 1961	17.55	86.34	
13 2 1950	17.89	100.77		30 12 1961	17.67	91.17	
1 10 1950	17.37	79.11		12 1 1962	17.97	107.35	
21 11 1950	19.36	229.41		22 1 1962	18.14	120.59	
28 11 1950	17.54	85.74		13 3 1963	17.71	92.74	
1 12 1950	18.28	132.98		18 3 1963	17.91	102.86	
10 12 1950	17.32	77.30		11 11 1963	17.64	89.96	
6 1 1951	17.81	96.61		25 11 1963	19.90	276.79	
11 1 1951	17.98	108.30		19 3 1964	17.81	96.73	
4 2 1951	17.74	93.83		17 1 1965	17.55	86.34	
18 2 1951	17.87	99.62		3 8 1965	18.00	109.74	
9 4 1951	18.15	121.85		29 11 1965	17.92	103.10	
9 11 1951	18.32	136.16	8	5 12 1965	17.70	92.14	
25 11 1951	17.55	86.34	8	9 12 1965	18.77	178.47	
10 3 1952	17.76	94.80	8	19 12 1965	18.46	148.72	
4 5 1952	17.55	86.34	8	23 12 1965	17.90	101.47	
30 11 1952	17.92	103.10		29 12 1965	17.71	92.74	
21 12 1952	18.08	116.09		2 1 1966	17.99	109.02	
11 2 1953	17.61	88.76		10 2 1966	18.22	127.74	
19 2 1954	17.46	82.60		25 2 1966	17.70	92.26	
27 2 1954	17.54	85.98		16 4 1966	17.86	98.47	
3 3 1954	17.38	79.71		19 4 1966	18.46	148.72	
13 6 1954	17.80	96.01		23 10 1966	17.54	85.98	
10 11 1954	17.55	86.34		5 11 1966	18.71	172.43	
28 11 1954	19.01	200.74		29 12 1966	17.83	97.22	
9 12 1954	18.83	184.61		31 12 1966	17.80	96.37	
12 12 1954	17.54	85.74		21 2 1967	18.45	147.89	
11 1 1955	17.53	85.50		28 2 1967	18.34	137.77	
16 1 1955	19.12	209.48		9 3 1967	17.91	102.86	
7 2 1955	17.39	80.07		28 5 1967	17.68	91.53	
12 6 1955	20.11	296.32		17 10 1967	17.67	91.17	6
30 12 1955	17.34	77.78		28 10 1967	18.08	115.60	
23 1 1956	17.60	88.15		1 11 1967	17.49	83.93	
31 1 1956	18.22	127.48		5 11 1967	17.50	84.29	
1 2 1957	17.73	93.35		9 1 1968	18.25	129.82	
				15 1 1968	17.39	79.83	
				11 7 1968	20.26	310.55	4

EXCEEDED CHART LIMIT

53003

AVON AT BATH

DATE	LEVEL	DISCHARGE	NOTE
30 11 1968	17.70	92.14	
17 12 1968	17.57	86.94	
22 12 1968	18.12	118.83	
25 12 1968	18.19	125.16	

DATE	LEVEL	DISCHARGE	NOTE
18 1 1969	17.32	77.30	
22 2 1969	17.62	89.00	
13 3 1969	17.75	94.07	
27 5 1969	17.40	80.31	

53004

CHEW AT COMPTON DANDO

GRID REF ST648647 AREA 130. SQ.KM
 PERIOD OF RECORD 26 2 1958 TO 3 10 1969

BARA THRESHOLD 7.08 GRADE A1 CUMECS

DATE	LEVEL	DISCHARGE	NOTE
2 6 1958		8.17	
2 10 1958		7.08	
4 10 1958		9.77	
5 10 1958		7.08	
18 12 1958		13.59	
20 12 1958		25.48	
1 1 1959		14.16	
6 1 1959		11.89	
22 1 1959		25.20	
8 12 1959		8.21	
24 1 1960		19.11	
24 10 1960		9.06	
27 10 1960		49.54	
25 11 1960		10.19	
26 11 1960		11.04	
3 12 1960		30.01	
4 12 1960		56.62	
6 12 1960		10.62	
1 1 1961		11.32	
3 1 1961		7.08	
5 1 1961		7.08	
29 1 1961		16.56	
2 2 1961		9.91	
10 1 1962		8.49	
12 1 1962		7.22	
21 1 1962		8.49	
13 3 1963		7.79	
17 11 1963		12.74	
18 11 1963		32.56	
14 3 1964		9.90	
6.22FT READ FROM TEMPORARY MUNRO RECORDER			
13 1 1965		12.39	

DATE	LEVEL	DISCHARGE	NOTE
29 11 1965		13.59	
9 12 1965		48.83	
17 12 1965		21.23	
18 12 1965		28.03	
23 12 1965		14.01	
29 12 1965		18.40	
31 12 1965		7.64	
10 2 1966		11.32	
25 2 1966		12.17	
26 2 1966		9.34	
2 3 1966		8.35	
16 4 1966		7.93	
19 4 1966		14.01	
22 4 1966		7.08	
5 11 1966		26.19	
29 12 1966		10.76	
31 12 1966		8.78	
17 2 1967		11.75	
19 2 1967		11.04	
20 2 1967		27.74	
27 2 1967		46.99	
9 3 1967		8.21	
12 5 1967		7.64	
28 10 1967		7.79	
31 10 1967		7.93	
4 11 1967		7.36	
8 1 1968		10.76	
10 7 1968		226.48	
PEAK ESTIMATED TRUNCATED PEAK			
30 11 1968		7.36	
SILTATION AFTER JUL '68 FLOOD-RECORD UNRELIABLE			
20 12 1968		9.34	
21 12 1968		15.57	
24 12 1968		7.93	
22 2 1969		10.05	
12 3 1969		7.08	

53005

MIDFORD BROOK AT MIDFORD

GRID REF ST763611 AREA 147. SQ.KM
 PERIOD OF RECORD 21 4 1961 TO 3 10 1969

BARA THRESHOLD 11.50 GRADE A1 CUMECS

DATE	LEVEL	DISCHARGE	NOTE
30 12 1961		14.43	
12 1 1962		14.15	
21 1 1962		25.19	
24 1 1962		12.88	
13 3 1963		20.94	
15 3 1963		12.45	
17 3 1963		16.41	
17 4 1963		14.72	
11 11 1963		12.73	
19 11 1963		41.74	

DATE	LEVEL	DISCHARGE	NOTE
19 3 1964		16.13	
13 12 1964		11.60	
SPIKE ON PEAK IGNORED			
17 1 1965		13.02	
30 7 1965		15.85	
2 8 1965		15.51	
29 11 1965		17.97	
5 12 1965		12.03	
9 12 1965		42.73	
22 12 1965		17.55	
29 12 1965		23.77	

53005

MIDFORD BROOK AT MIDFORD

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
2 1 1966		16.98		28 5 1967		14.15	
10 2 1966		17.69		27 10 1967		16.41	
25 2 1966		14.43		31 10 1967		15.28	
16 4 1966		11.89		9 1 1968		16.98	
19 4 1966		21.08		SPIKE ON PEAK IGNORED			
22 4 1966		15.42		10 7 1968		55.19	
5 11 1966		31.13		21 12 1968		16.98	
29 12 1966		15.14		25 12 1968		13.02	
31 12 1966		18.40		22 2 1969		14.43	
20 2 1967		29.72		12 3 1969		14.86	
27 2 1967		23.91					
9 3 1967		17.26					

53006

FROME AT FRENCHAY

GRID REF	ST637772	AREA	149. SQ.KM	BARA	GRADE	C	
PERIOD OF RECORD	7 7 1961 TO	3 10 1969		THRESHOLD	12.87	CUMECs	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 1 1962		24.07		5 11 1966		39.64	
21 1 1962		14.72		29 12 1966		19.11	
8 4 1962		13.87		31 12 1966		19.82	
17 3 1963		12.88		17 2 1967		19.82	
19 11 1963		36.81		20 2 1967		41.06	
19 3 1964		15.57		27 2 1967		31.15	
13 12 1964		15.57		28 5 1967		14.53	
30 12 1964		15.57		17 10 1967		26.90	
13 1 1965		13.45		28 10 1967		16.99	
14 1 1965		14.87		31 10 1967		15.57	
23 7 1965		16.28		4 11 1967		14.16	
29 11 1965		16.56		23 12 1967		16.71	
9 12 1965		31.86		9 1 1968		19.11	
19 12 1965		63.30		10 7 1968		70.00	
22 12 1965		16.28		26 11 1968		18.12	
1 1 1966		13.59		30 11 1968		16.28	
10 2 1966		14.16		22 12 1968		20.95	
25 2 1966		15.57		25 12 1968		16.28	
22 4 1966		13.45		17 1 1969		16.28	
				22 2 1969		17.56	
				12 3 1969		20.10	
				26 5 1969		16.99	
				29 7 1969		14.02	

53007

FROME AT TELLISFORD

GRID REF	ST805564	AREA	262. SQ.KM	BARA	GRADE	A1	
PERIOD OF RECORD	21 4 1961 TO	3 10 1969		THRESHOLD	30.86	CUMECs	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 4 1961		35.39		9 12 1965		66.25	
30 12 1961		35.39	2 8	17 12 1965		49.26	
21 1 1962		36.10		22 12 1965		33.97	
13 3 1963		31.14		20 12 1965		34.54	
17 3 1963		36.80		2 1 1966		42.46	
17 4 1963		31.00		10 2 1966		45.01	
24 4 1963		36.80		16 4 1966		35.39	
11 11 1963		36.10		19 4 1966		56.20	
19 11 1963		66.25		22 4 1966		39.63	
19 3 1964		36.80		22 10 1966		33.12	
1 6 1964		36.80		5 11 1966		86.35	
16 1 1965		31.14		29 12 1966		45.30	
2 8 1965		83.51		31 12 1966		38.22	
29 11 1965		43.60		17 2 1967		32.27	
5 12 1965		33.26		20 2 1967		45.30	
				27 2 1967		33.12	
				9 3 1967		36.52	
				16 10 1967		31.14	

53007 FROME AT TELLISFORD

DATE	LEVEL	DISCHARGE	NOTE
27 10 1967		31.14	
9 1 1968		48.98	
11 7 1968		113.24	4

DATE	LEVEL	DISCHARGE	NOTE
22 12 1968		36.52	
25 12 1968		37.65	
22 2 1969		39.63	
13 3 1969		37.37	

53008 AVON AT GT SOMERFORD

GRID REF ST966832 AREA 303. SQ.KM
 PERIOD OF RECORD 16 12 1963 TO 9 10 1969
 SIGNIFICANT GAPS
 2 1 1967 TO 20 1 1967

BARA THRESHOLD 17.60 GRADE A2 CUMECS

DATE	LEVEL	DISCHARGE	NOTE
19 3 1964	58.87	33.74	
24 3 1964	58.57	19.70	
21 7 1965	58.55	18.68	
29 11 1965	58.61	21.27	
5 12 1965	58.54	18.31	
9 12 1965	58.87	33.74	
19 12 1965	59.40	62.71	
23 12 1965	58.79	30.06	
1 1 1966	58.62	21.94	
10 2 1966	58.64	22.62	
25 2 1966	58.68	24.59	
19 4 1966	58.71	26.20	
22 10 1966	58.56	19.06	
31 12 1966	58.58	19.95	
20 2 1967	59.02	41.22	
27 2 1967	59.06	43.12	

DATE	LEVEL	DISCHARGE	NOTE
9 3 1967	58.68	24.45	
28 5 1967	58.64	22.62	
16 10 1967	58.71	26.20	
28 10 1967	58.67	24.02	
5 11 1967	58.68	24.74	
14 1 1968	58.75	28.17	
11 7 1968	60.03	106.13	
2 11 1968	58.55	18.93	
26 11 1968	58.66	23.46	
29 11 1968	58.65	23.32	
17 12 1968	58.62	21.67	
22 12 1968	58.91	35.62	
25 12 1968	58.85	33.03	
16 1 1969	58.66	23.60	
12 3 1969	58.75	27.71	
26 5 1969	59.19	50.37	

53801 GAUZE BROOK AT RODBOURNE

GRID REF ST937841 AREA 23.5 SQ.KM
 PERIOD OF RECORD 28 3 1963 TO 9 10 1969

BARA THRESHOLD 2.30 GRADE C CUMECS

DATE	LEVEL	DISCHARGE	NOTE
18 4 1963	0.57	2.50	
12 11 1963	1.10	11.02	
17 11 1963	0.67	3.60	
19 3 1964	0.79	5.24	
21 7 1965	0.56	2.41	
29 11 1965	0.59	2.71	
9 12 1965	0.76	4.80	
18 12 1965	0.81	5.61	
22 12 1965	0.57	2.59	
10 2 1966	0.55	2.38	
25 2 1966	0.64	3.24	
19 4 1966	0.67	3.60	
22 10 1966	0.57	2.59	
31 12 1966	0.55	2.38	
19 2 1967	0.64	3.24	

DATE	LEVEL	DISCHARGE	NOTE
20 2 1967	0.91	7.22	
27 2 1967	0.86	6.34	
9 3 1967	0.63	3.21	
28 5 1967	0.60	2.90	
27 10 1967	0.56	2.44	
5 11 1967	0.60	2.90	
14 1 1968	0.60	2.90	
10 7 1968	1.64	13.00	2 4
26 11 1968	0.63	3.14	
30 11 1968	0.59	2.74	
17 12 1968	0.57	2.59	
22 12 1968	0.82	5.70	
25 12 1968	0.69	3.90	
17 1 1969	0.62	3.07	
12 3 1969	0.64	3.24	
25 5 1969	0.76	4.80	

53802 WOODBRIDGE BROOK AT CRAB MILL

GRID REF ST950867 AREA 43. SQ.KM
 PERIOD OF RECORD 13 4 1964 TO 2 10 1969

BARA THRESHOLD 5.20 GRADE D CUMECS

DATE	LEVEL	DISCHARGE	NOTE
20 7 1965	1.60	10.24	
9 12 1965	1.47	8.82	
17 12 1965	13.5	30.00	

DATE	LEVEL	DISCHARGE	NOTE
10 2 1966	1.18	6.01	CHART LIMIT EXCEEDED AND PEN FAILED TO MARK AFTER
25 2 1966	1.12	5.47	
19 4 1966	1.12	5.47	

53802

WOODBIDGE BROOK AT CRAB MILL

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
23 10 1966	1.09	5.21		2 11 1968	1.16	5.82	
18 2 1967	1.20	6.15		26 11 1968	1.28	6.87	
20 2 1967	1.66	10.95		30 11 1968	1.13	5.52	
27 2 1967	1.90	14.00		17 12 1968	1.28	6.87	
9 3 1967	1.10	5.31		22 12 1968	1.63	10.59	
16 10 1967	1.21	6.29		25 12 1968	1.47	8.89	
27 10 1967	1.25	6.63		17 1 1969	1.18	6.01	
5 11 1967	1.20	6.15		12 3 1969	1.37	7.77	
13 1 1968	1.39	8.02	2	25 5 1969	13.5	30.00	
11 7 1968		28.00		CHART LIMIT EXCEEDED AND PEN FAILED TO MARK AFTER			

CHART LIMIT EXCEEDED AND PEN FAILED TO MARK AFTER

54001

SEVERN AT BEWDLEY

GRID REF	S0782762	AREA	4330. SQ. KM	SERA	THRESHOLD	210.00	GRADE	A
PERIOD OF RECORD	23 6 1923 TO	6 1 1970						
SIGNIFICANT GAPS	2 12 1923 TO	2 1924	27 9 1930 TO	18 10 1930	29 10 1939 TO	17 11 1939		
	23 6 1945 TO	9 2 1946	11 2 1946 TO	20 3 1947	22 3 1947 TO	14 1 1948		
	16 1 1948 TO	14 3 1948						

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 10 1923	6.24	296.36		4 5 1932	5.69	234.43	
17 11 1923	6.12	282.12		24 10 1932	5.53	215.64	
2 5 1924	5.53	215.64		5 3 1933	6.06	275.15	
1 6 1924	6.64	345.59		19 1 1934	5.45	207.43	
13 10 1924	5.54	217.31		26 2 1935	5.69	234.43	
1 11 1924	5.83	249.96		12 10 1935	5.51	213.98	
2 1 1925	6.97	390.83		2 11 1935	5.79	245.10	
14 2 1925	6.76	361.66		18 11 1935	6.17	287.41	
9 11 1925	5.48	210.69		1 12 1935	5.59	222.36	
1 1 1926	6.82	369.85		11 1 1936	5.77	243.31	
8 11 1926	5.57	220.66		30 1 1936	5.89	256.54	
20 11 1926	6.18	289.19		13 11 1936	5.80	246.71	
28 1 1927	5.92	259.86		18 11 1936	5.82	248.33	
11 4 1927	5.66	230.94		17 12 1936	7.31	439.46	8
24 8 1927	5.86	253.24		9 1 1937	6.21	292.76	
29 10 1927	5.97	264.90		19 1 1937	5.80	246.71	
5 11 1927	5.60	224.06		9 2 1937	5.62	225.76	
21 11 1927	6.00	268.29		27 2 1937	6.40	314.76	
24 12 1927	5.82	248.33		20 3 1937	5.88	254.88	
4 1 1928	5.60	224.06	4	4 12 1937	5.54	217.31	
26 1 1928	6.24	296.36		19 1 1938	6.61	341.64	
7 2 1928	5.97	264.90		10 10 1938	5.50	212.33	
19 2 1928	7.22	425.86	2	28 11 1938	6.14	283.87	
26 11 1928	6.91	382.36		11 12 1938	5.92	259.86	
15 11 1929	6.32	305.48	2	2 1 1939	5.82	248.33	
10 12 1929	7.49	467.44	8	10 1 1939	6.91	382.36	
1 1 1930	6.70	353.57		18 1 1939	7.31	439.46	
15 1 1930	6.85	373.99	2	PEN OFF TOP OF CHART			
4 11 1930	5.79	245.10		1 3 1939	5.77	243.31	
26 11 1930	5.59	222.36		31 7 1939	5.66	230.94	
13 12 1930	5.73	237.96		24 11 1939	5.76	241.52	
2 1 1931	6.20	290.97		29 11 1939	6.49	326.12	
11 2 1931	5.57	220.66		6 12 1939	5.92	259.86	
27 4 1931	5.69	234.43		28 1 1940	5.86	253.24	
31 5 1931	6.46	322.30		9 2 1940	7.52	472.20	8
7 6 1931	5.60	224.06		21 2 1940	6.23	294.56	
16 6 1931	5.60	224.06		5 11 1940	6.35	309.17	
16 8 1931	5.63	227.48		14 11 1940	6.82	369.85	
6 11 1931	5.63	227.48		19 11 1940	6.43	318.52	
12 11 1931	5.63	227.48		24 11 1940	6.61	341.64	
9 1 1932	7.01	395.11		12 2 1941	7.98	547.17	8
4 4 1932	5.66	230.94					

54001

SEVERN AT BEWDLEY

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 1 1942	6.38	312.89	4	17 5 1955	20.75	227.26	
3 2 1942	6.27	299.99		8 6 1955	21.21	278.40	
23 1 1943	5.89	256.54		23 1 1956	21.32	290.74	
1 2 1943	6.17	287.41		28 1 1956	22.03	382.09	
10 2 1943	5.76	241.52		17 12 1956	20.65	215.43	
11 5 1943	5.69	234.43		30 12 1956	21.27	285.42	
25 1 1944	7.05	401.59	4	6 1 1957	20.98	253.03	
22 10 1944	5.91	258.20		1 2 1957	20.63	213.77	
24 11 1944	5.91	258.20		9 2 1957	20.87	241.29	
29 11 1944	6.01	270.00		21 3 1957	20.84	237.74	
3 12 1944	5.48	210.69		14 8 1957	21.18	274.94	
2 2 1945	6.76	361.66		27 9 1957	22.64	471.90	
15 2 1945	6.76	361.66		6 11 1957	21.61	325.88	
3 4 1945	5.51	213.98		7 1 1958	20.74	225.55	
FOLLOWING 3 ANN. MAX. FROM SEVERN FLOOD LIST				12 1 1958	21.04	259.65	
10 2 1946	8.51	641.99		12 2 1958	22.32	423.34	
21 3 1947	8.66	671.10		26 2 1958	21.42	303.41	
15 1 1948	8.01	551.35		20 9 1958	20.65	215.43	
4 1 1949	21.73	341.39		25 9 1958	21.13	269.78	
8 4 1949	21.35	294.33		5 10 1958	21.42	303.41	
6 12 1949	21.33	292.53		4 1 1959	21.85	357.34	
20 12 1949	20.90	244.88		23 1 1959	21.83	355.32	
12 2 1950	22.76	491.24	2	18 4 1959	21.47	308.93	
21 2 1950	21.29	287.19		27 11 1959	20.66	217.10	
26 2 1950	20.72	223.84		21 12 1959	20.89	243.08	
8 9 1950	20.61	211.14		29 12 1959	21.53	316.40	
27 9 1950	21.09	264.69		2 1 1960	20.66	217.10	
29 11 1950	20.61	212.12		24 1 1960	22.84	503.56	
8 12 1950	20.66	217.10		1 2 1960	22.09	390.57	
7 1 1951	21.48	310.79		28 2 1960	21.10	266.38	
12 1 1951	20.89	243.08		28 10 1960	21.47	308.93	
19 1 1951	20.75	227.26		5 11 1960	21.61	325.88	
21 2 1951	20.72	223.84		18 11 1960	21.06	261.33	
15 3 1951	20.78	230.72		28 11 1960	21.83	355.32	
18 3 1951	20.75	227.26		6 12 1960	23.56	628.50	
25 3 1951	21.42	303.41		1 2 1961	21.07	263.00	
6 11 1951	20.93	248.13		2 12 1961	20.98	253.03	
11 11 1951	21.86	359.37		12 12 1961	20.95	249.76	
26 11 1951	21.42	303.41		7 1 1962	20.74	225.55	
9 12 1951	20.80	232.46		12 1 1962	20.71	222.14	
26 12 1951	21.03	257.99		17 1 1962	21.00	254.68	
30 12 1951	21.89	363.44		22 1 1962	20.72	223.84	
3 1 1952	21.09	264.69		6 2 1962	20.66	217.10	
12 1 1952	21.24	281.90		13 2 1962	20.63	213.77	
12 2 1952	20.60	210.48		4 4 1962	20.93	248.13	
29 10 1952	20.69	220.45		9 4 1962	20.72	223.84	
18 12 1952	21.27	285.42		16 12 1962	20.72	223.84	
31 3 1953	20.93	248.13	1	8 3 1963	21.68	335.52	
15 11 1953	20.78	230.72		20 11 1963	20.84	237.74	
23 1 1954	20.61	212.12		28 11 1963	21.57	322.06	
11 2 1954	21.12	268.08		25 3 1964	20.84	237.74	
8 3 1954	20.90	244.88		15 12 1964	22.64	471.90	
28 10 1954	21.24	281.90		1 1 1965	21.22	280.15	
8 11 1954	21.88	361.40		12 1 1965	21.39	299.76	
12 11 1954	21.30	288.96		18 1 1965	21.45	307.09	
29 11 1954	22.03	382.09		25 1 1965	20.83	235.97	
5 12 1954	21.70	337.47		24 3 1965	20.84	237.74	
10 12 1954	21.01	256.33		27 3 1965	20.90	244.88	
14 12 1954	21.09	264.69		10 5 1965	20.61	212.12	
24 12 1954	20.69	220.45		5 12 1965	21.71	339.43	
11 1 1955	21.04	259.65		20 12 1965	23.39	597.77	
22 1 1955	20.66	217.10		3 1 1966	21.25	283.65	
28 3 1955	22.37	430.08		9 2 1966	21.30	288.96	
				21 2 1966	20.90	244.88	
				27 2 1966	21.07	263.00	

54001

SEVERN AT BEWDLEY

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
20 4 1966	20.86	239.51		26 3 1968	21.29	287.19	
6 11 1966	21.10	266.38		4 7 1968	21.33	292.53	
4 12 1966	21.91	365.48		15 7 1968	20.98	253.03	
12 12 1966	21.97	373.73		3 11 1968	20.92	246.51	
24 2 1967	21.01	256.33		22 1 1969	21.15	271.49	
1 3 1967	22.00	377.06		13 2 1969	21.15	271.49	
10 3 1967	20.60	210.48		25 2 1969	21.15	271.49	
5 10 1967	20.69	220.45		14 3 1969	21.27	285.42	
19 10 1967	21.64	329.71		18 3 1969	20.60	210.48	
1 11 1967	20.74	225.55		7 5 1969	21.36	296.13	
24 12 1967	21.06	261.33		28 5 1969	21.61	325.88	
3 1 1968	21.00	254.68		12 11 1969	20.87	241.29	
6 1 1968	21.18	274.94		23 12 1969	21.15	271.49	
16 1 1968	22.92	516.07					

54002

AVON AT EVESHAM

GRID REF SP034431 AREA 2210. SQ.KM SERA GRADE A2
 PERIOD OF RECORD 13 9 1937 TO 8 1 1970 THRESHOLD 65.80 CUMECs
 SIGNIFICANT GAPS 10 3 1941 TO 17 3 1941 1 6 1942 TO 8 6 1942

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
13 1 1938	1.28	47.02		2 1 1949	1.87	91.38	
28 12 1938	1.69	76.44		5 1 1949	1.61	70.55	
1 1 1939	1.61	70.55		26 10 1949	1.63	71.71	
8 1 1939	2.33	133.44		4 2 1950	2.48	148.91	
18 1 1939	2.24	124.50		13 2 1950	2.16	117.25	
27 1 1939	3.27	240.38		21 11 1950	2.62	163.43	
6 4 1939	1.76	82.53		5 1 1951	2.78	181.93	
19 10 1939	3.27	240.38		16 2 1951	1.72	78.85	
24 11 1939	2.14	115.82		14 3 1951	2.07	108.79	
27 11 1939	1.75	81.30		22 3 1951	2.24	124.79	
9 12 1939	2.05	107.41		9 4 1951	2.48	148.91	
8 2 1940	3.84	316.21	7	13 4 1951	1.81	86.53	
21 2 1940	2.31	131.93		27 5 1951	1.67	75.25	
19 5 1940	1.92	95.28		6 11 1951	1.98	100.60	2
22 11 1940	2.83	187.12		9 11 1951	2.30	130.43	2
23 1 1941	2.62	163.43		13 11 1951	2.16	117.25	
26 1 1941	2.54	155.29		25 11 1951	1.91	94.76	
25 1 1942	2.80	183.66	7	29 12 1951	1.96	99.26	
31 1 1942	1.95	97.92		10 3 1952	1.73	80.07	
4 2 1942	2.28	128.94		5 5 1952	1.95	97.92	
13 1 1943	1.79	85.02		21 12 1952	2.30	130.43	
1 2 1943	2.95	201.26		19 2 1954	1.81	86.28	
9 2 1943	1.61	70.55		6 11 1954	1.93	96.60	
24 1 1944	0.45	7.57		12 11 1954	1.74	80.56	
20 11 1944	1.78	83.77		27 11 1954	2.80	183.66	
17 12 1944	1.76	82.53		9 12 1954	2.28	128.94	
1 2 1945	2.01	103.30		16 1 1955	1.93	96.60	
13 2 1945	1.63	71.71		22 1 1955	1.55	65.98	
29 12 1945	1.81	86.28		27 3 1955	2.86	190.62	2
17 11 1946	1.60	69.40		17 5 1955	22.47	171.24	
21 11 1946	2.02	104.66		8 6 1955	21.75	99.13	
25 11 1946	2.01	103.30		31 1 1956	21.68	93.85	
29 11 1946	2.17	118.69		29 12 1956	22.17	138.78	
9 1 1947	1.98	100.60		8 2 1957	21.96	118.26	
14 3 1947	4.11	356.19	7	10 3 1957	21.56	83.41	
18 3 1947	3.44	262.02		5 11 1957	21.79	102.90	
30 3 1947	2.27	127.45		24 12 1957	21.97	119.70	
13 9 1948	1.56	67.11		2 1 1958	21.45	74.90	
				30 1 1958	21.91	113.98	

54002

AVON AT EVESHAM

DATE	LEVEL	DISCHARGE	NOTE
10 2 1958	22.09	131.49	
14 2 1958	21.54	82.17	
25 2 1958	22.15	137.56	
4 7 1958	21.55	82.66	
4 10 1958	21.67	92.29	
3 11 1958	21.91	113.98	
20 12 1958	21.68	93.59	
7 1 1959	22.49	172.92	
22 1 1959	23.08	243.69	
17 4 1959	21.97	119.70	
24 1 1960	23.10	245.63	
28 1 1960	22.79	207.95	
23 9 1960	21.68	93.59	
21 10 1960	21.36	67.91	
28 10 1960	22.09	131.49	
1 11 1960	21.83	107.00	
18 11 1960	22.02	124.07	
26 11 1960	21.71	96.21	
4 12 1960	22.86	215.28	
21 12 1960	21.53	80.69	
10 1 1961	21.47	76.33	
26 4 1961	21.45	74.90	
7 1 1962	21.67	92.29	
31 3 1963	21.36	67.91	
19 11 1963	21.95	117.40	
COFFERDAM IN RIVER AFFECTED LEVEL			
15 3 1964	21.50	78.50	
19 3 1964	21.62	88.44	
24 3 1964	21.70	94.90	
21 3 1965	20.97	41.03	

DATE	LEVEL	DISCHARGE	NOTE
29 11 1965	21.61	87.17	
10 12 1965	22.26	148.44	
19 12 1965	22.12	134.51	
23 12 1965	21.94	116.83	
10 2 1966	21.42	72.54	
20 2 1966	22.03	125.54	
26 2 1966	21.64	89.71	
20 4 1966	21.64	89.71	
31 8 1966	21.51	79.71	
15 10 1966	21.48	77.29	
20 10 1966	21.36	67.91	
2 12 1966	21.50	78.74	
11 12 1966	21.94	116.83	
21 2 1967	21.76	100.74	
28 2 1967	21.51	79.71	
10 3 1967	22.09	131.49	
15 5 1967	22.00	122.61	
28 5 1967	21.81	104.53	
5 11 1967	21.64	89.71	
23 12 1967	21.66	92.03	
2 1 1968	21.77	101.55	5
5 1 1968	21.48	77.29	
14 1 1968	22.73	200.73	
11 7 1968	23.93	361.91	5
27 11 1968	21.53	80.94	
22 12 1968	21.85	108.38	
13 1 1969	21.34	66.10	
18 1 1969	21.44	73.71	
12 2 1969	21.47	76.09	
24 2 1969	21.76	100.20	
13 3 1969	22.72	198.94	5
6 4 1969	21.85	108.38	
18 4 1969	21.51	79.71	
26 5 1969	21.54	82.17	

54003

VYRNWY AT VYRNWY RESERVOIR

GRID REF SJ019191 AREA 94.4 SQ. KM
 PERIOD OF RECORD 1 10 1927 TO 30 9 1967

DATE	LEVEL	DISCHARGE	NOTE
15 2 1928		138.72	
1 10 1928		95.97	
ACTUAL DATE OF FLOOD NOT KNOWN			
1 10 1929		32.47	
ACTUAL DATE OF FLOOD NOT KNOWN			
1 10 1930		51.07	
ACTUAL DATE OF FLOOD NOT KNOWN			
3 11 1931		240.63	
POSSIBLY OVER-READING BECAUSE OF WAVE-ACTION			
1 10 1932		30.77	
ACTUAL DATE OF FLOOD NOT KNOWN			
1 10 1933		52.49	
ACTUAL DATE OF FLOOD NOT KNOWN			
1 10 1934		76.61	
ACTUAL DATE OF FLOOD NOT KNOWN			
9 10 1935		71.11	
14 12 1936		78.48	
21 1 1938		56.28	
15 1 1939		147.30	
26 11 1939		120.06	
2 11 1940		160.35	
23 1 1942		82.04	
5 2 1943		56.76	
23 1 1944		74.80	
20 10 1944		158.48	

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DATE	LEVEL	DISCHARGE	NOTE
19 9 1946		153.07	
21 3 1947		63.58	
11 11 1947		105.71	
5 4 1949		37.54	
6 9 1950		135.60	
6 1 1951		37.51	
24 12 1951		63.84	
27 10 1952		147.78	
6 3 1954		104.24	
10 1 1955		64.26	
21 1 1956		122.78	
1 10 1956		52.37	
ACTUAL DATE OF FLOOD NOT KNOWN			
3 9 1958		202.30	
1 10 1958		65.59	
ACTUAL DATE OF FLOOD NOT KNOWN			
26 1 1960		67.72	
3 12 1960		92.43	
2 4 1962		195.28	
25 9 1963		111.68	
25 11 1963		93.14	
12 12 1964		188.04	
9 12 1965		114.63	
27 2 1967		65.79	

54004

SOWE AT STONELEIGH

GRID REF SP332731 AREA 264. SQ.KM SERA GRADE A
 PERIOD OF RECORD 19 3 1951 TO 5 1 1970 THRESHOLD 12.80 CUMECs
 SIGNIFICANT GAPS
 23 1 1956 TO 1 2 1956 7 1 1957 TO 29 1 1957

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
20 3 1951	1.02	17.57		26 10 1960	56.21	17.87	
26 3 1951	1.16	21.28		1 11 1960	56.33	21.25	
9 4 1951	1.06	18.56		17 11 1960	56.36	21.95	
27 5 1951	0.96	15.97		4 12 1960	56.98	45.85	
30 7 1951	0.85	13.21		20 12 1960	56.36	21.95	2 9
				6 4 1961	56.05	14.08	
6 11 1951	1.01	17.25					
8 11 1951	1.02	17.57		7 1 1962	56.07	14.38	
16 11 1951	0.83	12.91					
24 11 1951	0.93	15.34		30 3 1963	56.24	18.86	
29 12 1951	0.96	15.97					
9 3 1952	0.83	12.91		18 11 1963	56.22	18.20	
5 5 1952	1.19	21.98		15 3 1964	56.12	15.62	
				19 3 1964	56.03	13.48	
19 12 1952	1.04	17.90		24 3 1964	56.14	16.25	
2 4 1953	0.87	13.81		12 6 1964	56.10	15.31	
10 2 1954	0.82	12.62		8 9 1965	56.10	15.31	
24 10 1954	0.90	14.41		29 11 1965	56.60	29.17	
6 11 1954	1.33	25.97		9 12 1965	56.61	29.66	
16 11 1954	1.00	16.92		19 12 1965	56.27	19.54	
12 11 1954	0.88	14.11		23 12 1965	56.42	23.73	
25 11 1954	1.65	38.23		1 1 1966	56.04	13.78	
27 11 1954	1.19	21.98		10 2 1966	56.00	12.88	
8 12 1954	0.91	14.72		20 2 1966	56.49	32.74	
13 12 1954	0.83	12.91		24 2 1966	56.09	15.00	
26 3 1955	2.04	57.65		3 3 1966	56.04	13.78	
6 5 1955	0.86	13.51		20 4 1966	56.10	15.31	
16 5 1955	1.33	25.97		30 8 1966	56.46	24.82	
7 6 1955	0.95	15.65					
12 6 1955	0.85	13.21		14 10 1966	56.28	19.87	
				2 12 1966	56.18	17.22	
11 6 1956	0.76	11.19		10 12 1966	56.43	24.09	
				20 2 1967	56.13	15.94	
28 12 1956	1.10	19.57		28 2 1967	56.22	18.20	
5 2 1957	1.01	17.25		9 3 1967	56.38	22.66	
7 2 1957	1.14	20.59		15 5 1967	56.18	17.22	
10 3 1957	0.93	15.34		28 5 1967	56.54	27.05	
4 11 1957	56.10	15.31		16 10 1967	56.10	15.31	5
24 12 1957	56.13	15.94		27 10 1967	56.04	13.78	
1 1 1958	56.01	13.18		5 11 1967	56.28	19.87	
29 1 1958	56.41	23.37		23 12 1967	56.03	13.48	
10 2 1958	56.34	21.60		2 1 1968	56.22	18.20	2
13 2 1958	56.00	12.88		5 1 1968	56.09	15.00	
2 7 1958	56.65	31.18		14 1 1968	56.46	24.82	
				10 7 1968	56.90	42.23	5
1 10 1958	56.05	14.08		1 9 1968	56.09	15.00	
4 10 1958	56.09	15.00					
2 11 1958	56.04	13.78		2 11 1968	56.18	17.22	
19 12 1958	56.05	14.08		26 11 1968	56.10	15.31	
6 1 1959	56.33	21.25		22 12 1968	56.04	13.78	
18 1 1959	56.15	16.57		13 1 1969	56.10	15.31	
22 1 1959	56.99	46.47		11 2 1969	56.34	21.60	
16 4 1959	56.34	21.60		24 2 1969	56.15	16.57	
				13 3 1969	56.76	35.95	
24 1 1960	56.97	45.24		6 5 1969	56.73	34.33	
28 1 1960	56.81	38.18		27 5 1969	56.10	15.31	
23 6 1960	56.17	16.89		29 7 1969	56.13	15.94	
22 9 1960	56.03	13.48		3 8 1969	56.28	19.87	

54005

SEVERN AT MONTFORD

GRID REF SJ413145 AREA 2030. SQ.KM
 PERIOD OF RECORD 28 4 1952 TO 7 1 1970

SERA THRESHOLD 200.00 GRADE A
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
29 10 1952	56.66	215.13		27 11 1960	57.39	275.78	
17 12 1952	56.83	228.40		5 12 1960	58.71	467.23	8
21 12 1952	56.64	213.94		29 1 1961	56.58	209.21	
30 3 1953	56.92	235.80		2 12 1961	56.78	224.75	
22 9 1953	56.47	201.07		5 12 1961	56.81	227.18	2
15 11 1953	56.66	215.13		11 12 1961	56.75	222.32	2
11 2 1954	56.72	219.91		5 2 1962	56.55	206.87	
7 3 1954	56.63	212.75		3 4 1962	56.92	235.80	
6 6 1954	56.54	205.70		8 4 1962	56.58	209.21	
27 10 1954	57.22	261.26		12 9 1962	56.57	208.04	
7 11 1954	57.40	277.12		16 12 1962	56.67	216.32	
23 11 1954	56.70	218.71		7 3 1963	57.62	300.16	
28 11 1954	57.51	286.57	3	22 11 1963	56.78	224.75	
3 12 1954	57.45	281.15		27 11 1963	57.69	308.66	
14 12 1954	56.60	210.39	3	9 12 1964	56.76	223.53	2
11 1 1955	56.58	209.21	3	13 12 1964	58.55	441.75	2
27 3 1955	57.60	294.79	3	31 12 1964	57.34	271.78	
8 6 1955	56.69	217.51	3	10 1 1965	57.27	265.18	9
23 1 1956	57.18	257.36	2	17 1 1965	57.47	282.50	
27 1 1956	57.82	314.39	2 4	24 1 1965	56.50	203.38	
29 12 1956	56.67	216.32		9 5 1965	56.69	217.51	
6 1 1957	56.81	227.18		4 12 1965	57.50	285.21	
18 3 1957	56.70	218.71		10 12 1965	58.52	436.08	
13 8 1957	56.84	229.63		19 12 1965	58.52	382.92	
26 8 1957	56.47	201.07		26 12 1965	56.66	215.13	
26 9 1957	58.26	356.86	4 2	9 2 1966	56.81	227.18	
7 11 1957	57.08	249.65	2 6	3 12 1966	57.54	289.30	
8 12 1957	56.50	203.38		11 12 1966	57.69	308.65	
6 1 1958	56.47	201.07		23 2 1967	56.72	219.91	
11 1 1958	56.75	222.32		28 2 1967	57.72	305.92	
11 2 1958	57.85	317.24	2 4	4 10 1967	56.81	227.18	
25 2 1958	56.63	212.75		17 10 1967	57.91	322.97	
24 9 1958	56.87	232.09	2 4	23 12 1967	56.81	227.18	8
3 1 1959	57.37	274.18	2 4	5 1 1968	56.66	215.13	8
23 1 1959	57.05	247.11		15 1 1968	58.49	379.81	
27 10 1959	56.54	205.70	2 4	25 3 1968	57.31	269.13	
26 11 1959	56.52	204.54	2	3 7 1968	56.81	227.18	
21 12 1959	56.63	212.75		15 7 1968	56.69	217.51	
28 12 1959	57.08	249.65	2	2 11 1968	56.50	203.38	
25 1 1960	57.68	301.72	4 2	18 1 1969	56.57	208.04	
31 1 1960	57.56	290.67	4 2	22 1 1969	56.72	219.91	
27 2 1960	56.76	223.53		6 5 1969	56.52	204.54	
28 10 1960	56.54	205.70		26 5 1969	56.84	229.63	
4 11 1960	56.73	221.12		12 11 1969	56.78	224.75	
17 11 1960	56.61	211.57		22 12 1969	56.81	227.18	

54006

STOUR AT KIDDERMINSTER

GRID REF S0828769 AREA 324. SQ.KM
 PERIOD OF RECORD 23 7 1952 TO 6 10 1969

SERA THRESHOLD 9.00 GRADE A
 CUMECS

SIGNIFICANT GAPS
 15 12 1952 TO 22 12 1952

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
2 11 1952	1.18	9.57		6 11 1954	1.34	11.61	
3 4 1953	1.21	9.97		10 11 1954	1.20	9.77	
19 5 1953	1.20	9.77		26 11 1954	1.66	15.88	
2 8 1954	1.15	9.17	2	30 11 1954	1.34	11.61	
20 8 1954	1.20	9.77		9 12 1954	1.44	13.13	
				21 1 1955	1.15	9.17	
				27 3 1955	3.16	81.55	8
				18 5 1955	1.73	16.88	

54006

STOUR AT KIDDERMINSTER

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
28 5 1955	1.15	9.17		26 9 1965	31.63	9.46	
27 1 1956	31.60	8.75		29 11 1965	31.94	14.94	
29 12 1956	31.91	12.91		10 12 1965	31.94	14.94	
5 11 1957	32.03	14.50		13 12 1965	31.63	9.46	
12 2 1958	32.03	14.50		19 12 1965	32.23	21.27	
25 2 1958	31.80	11.40		23 12 1965	31.95	15.24	
3 6 1958	31.65	9.37		1 1 1966	31.76	11.50	
20 12 1958	31.77	10.98		20 2 1966	31.97	15.55	
18 1 1959	31.76	10.78		25 2 1966	31.72	10.97	
22 1 1959	31.94	13.35		20 4 1966	31.63	9.46	
17 4 1959	32.04	14.60		9 5 1966	31.86	13.45	
25 1 1960	33.49	68.27		11 6 1966	31.63	9.46	
29 1 1960	32.58	30.39		21 8 1966	31.66	9.95	
27 2 1960	31.63	9.46	4	30 8 1966	31.63	9.46	
16 9 1960	31.63	9.46		2 12 1966	31.92	14.64	
23 9 1960	32.00	16.18		7 12 1966	31.62	9.22	
25 10 1960	31.95	15.24		10 12 1966	31.92	14.64	
28 10 1960	31.94	14.94		21 2 1967	31.76	11.50	
1 11 1960	31.80	12.32		28 2 1967	31.74	11.24	
4 11 1960	31.69	10.46		8 3 1967	32.11	18.47	
17 11 1960	31.72	10.97		15 5 1967	31.98	15.87	
4 12 1960	32.29	22.74		28 5 1967	31.95	15.24	
6 4 1961	31.69	10.46		17 10 1967	32.29	22.74	
23 4 1961	31.76	11.50		5 11 1967	31.72	10.97	
26 4 1961	32.00	16.18		24 12 1967	31.65	9.70	
17 8 1962	31.77	11.77		2 1 1968	31.98	15.87	
20 12 1962	31.53	7.84		5 1 1968	31.97	15.55	
19 11 1963	31.63	9.46		14 1 1968	32.29	22.74	
13 12 1964	31.65	9.70		25 5 1968	31.66	9.95	
24 1 1965	31.62	9.22		11 7 1968	32.14	19.15	
22 3 1965	31.63	9.46		28 10 1968	31.69	10.46	
9 9 1965	31.89	14.04		12 2 1969	31.74	11.24	
10 9 1965	31.62	9.22		13 3 1969	32.15	19.50	
				18 3 1969	31.68	10.20	
				6 5 1969	32.23	21.27	
				25 5 1969	32.17	19.85	
				30 5 1969	31.68	10.20	
				29 7 1969	31.76	11.50	
				3 8 1969	32.06	17.47	

54007

ARROW AT BROOM

GRID REF	SP087532	AREA	319. SQ.KM	SERA	GRADE A1		
PERIOD OF RECORD	19	3 1956 TO	7 10 1969	THRESHOLD	30.00 CUMECs		
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
2 9 1956	30.60	32.78		24 10 1960	30.66	34.62	
28 12 1956	30.80	40.33		28 10 1960	30.52	30.56	
5 2 1957	30.64	34.02		1 11 1960	30.73	37.71	
5 11 1957	30.83	41.69		17 11 1960	30.81	41.00	
24 12 1957	30.75	38.35		4 12 1960	31.07	53.86	
1 1 1958	30.72	37.07		25 6 1961	30.66	34.62	
10 2 1958	30.80	40.33		7 1 1962	29.94	17.26	
24 2 1958	30.63	33.45		20 12 1962	30.60	32.61	
23 9 1958	30.57	31.78		19 11 1963	30.67	35.22	
2 10 1958	30.60	32.61		19 3 1964	30.66	34.62	
4 10 1958	30.67	35.22		24 3 1964	30.66	34.62	
2 11 1958	30.61	33.03		26 9 1965	30.64	34.02	
19 12 1958	30.67	35.22		29 11 1965	30.75	38.35	
7 1 1959	30.70	36.45		9 12 1965	31.04	52.21	2
18 1 1959	30.81	41.00		19 12 1965	30.67	35.22	
22 1 1959	31.08	54.70		23 12 1965	30.78	39.66	
17 4 1959	30.84	42.38		1 1 1966	30.57	31.78	
24 1 1960	31.31	68.56		20 2 1966	30.84	42.38	
28 1 1960	30.98	49.02					
23 9 1960	30.86	43.08					

54007

ARROW AT BROOM

DATE	LEVEL	DISCHARGE	NOTE
3 3 1966	30.52	30.56	
9 5 1966	30.54	30.96	
SPIKE ON PEAK IGNORED			
30 8 1966	31.05	53.03	
15 10 1966	30.76	39.00	
19 10 1966	30.72	37.07	
2 12 1966	30.72	37.07	
10 12 1966	30.72	37.07	
20 2 1967	30.75	38.35	
27 2 1967	30.51	30.15	
9 3 1967	30.87	43.79	
15 5 1967	30.75	38.35	
28 5 1967	30.72	37.07	
17 10 1967	30.54	30.96	

DATE	LEVEL	DISCHARGE	NOTE
5 11 1967	30.50	30.07	
SPIKE ON PEAK IGNORED, WRACK AT 100.62			
23 12 1967	30.66	34.86	
2 1 1968	30.72	37.07	
5 1 1968	30.60	32.78	5
14 1 1968	31.06	53.19	5
11 7 1968	31.45	78.07	
14 7 1968	30.87	43.79	
27 11 1968	30.72	37.07	
22 12 1968	30.69	35.83	
11 2 1969	30.60	32.69	
23 2 1969	30.55	31.37	
13 3 1969	31.13	57.11	
18 3 1969	30.62	33.28	
6 5 1969	30.82	41.41	5

54008

TEME AT TENBURY WELLS

GRID REF S059R685 AREA 1130. SQ. KM
 PERIOD OF RECORD 22 8 1956 TO 6 1 1970

SERA THRESHOLD 63.00 GRADE B CUMEC'S

DATE	LEVEL	DISCHARGE	NOTE
2 9 1956	51.20	101.61	
28 12 1956	51.57	122.38	
8 2 1957	50.50	66.09	
13 8 1957	52.10	155.24	
25 9 1957	52.66	193.15	
5 11 1957	51.63	125.98	
11 2 1958	52.09	154.26	
24 2 1958	51.25	104.12	
15 9 1958	51.49	117.93	
23 9 1958	51.06	94.20	
30 9 1958	51.51	118.81	
4 10 1958	53.17	229.57	
19 12 1958	50.76	78.53	
18 1 1959	50.53	67.51	
19 1 1959	50.54	67.80	
22 1 1959	51.60	124.17	
17 4 1959	51.51	118.81	
8 12 1959	51.84	138.91	
21 1 1960	51.78	135.16	
24 1 1960	53.46	251.62	
28 1 1960	51.58	123.27	
3 2 1960	50.52	66.80	
26 2 1960	51.40	112.67	
3 10 1960	50.74	77.78	
25 10 1960	51.72	131.46	
27 10 1960	51.96	146.51	
1 11 1960	50.88	84.67	
4 11 1960	52.24	164.17	
11 11 1960	50.74	77.78	
17 11 1960	50.44	63.28	
26 11 1960	50.65	73.31	
1 12 1960	50.47	64.68	
3 12 1960	53.58	261.13	
26 4 1961	50.67	74.05	
16 1 1962	50.74	77.78	

DATE	LEVEL	DISCHARGE	NOTE
6 3 1963	51.95	145.55	
8 3 1963	51.11	96.65	
19 11 1963	50.44	63.28	
24 3 1964	50.61	71.11	
13 12 1964	50.65	73.31	
29 11 1965	50.93	87.02	
9 12 1965	52.69	195.29	
19 12 1965	51.11	96.65	
20 2 1966	50.70	75.68	
25 2 1966	50.68	74.79	
2 3 1966	50.76	78.53	
19 4 1966	50.56	68.94	
9 5 1966	51.69	129.62	
6 11 1966	51.46	116.17	
10 12 1966	50.61	71.11	
20 2 1967	50.68	74.79	
27 2 1967	51.48	117.05	
17 10 1967	51.72	131.46	
5 11 1967	50.59	70.39	
2 1 1968	50.47	64.68	
14 1 1968	52.94	212.72	
24 3 1968	50.56	68.94	
2 7 1968	51.22	102.44	
11 7 1968	50.79	80.05	
2 11 1968	50.59	70.39	
22 12 1968	50.44	63.28	
17 1 1969	50.58	69.66	
24 2 1969	51.05	93.39	
13 3 1969	51.45	115.29	
18 3 1969	50.77	79.29	
6 5 1969	50.84	82.35	
26 5 1969	52.60	188.90	
30 5 1969	50.88	84.67	
21 12 1969	50.76	78.53	

54010

STOUR AT ALSCOT PARK

GRID REF SP208507 AREA 319. SQ.KM
 PERIOD OF RECORD 15 12 1958 TO 8 1 1970

SERA THRESHOLD 18.00 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
19 12 1958	39.22	24.00		22 7 1965	38.85	10.33	
7 1 1959	39.68	45.44		29 11 1965	39.19	22.75	2
18 1 1959	39.62	42.31	2 4	9 12 1965	39.16	21.52	
22 1 1959	39.51	37.03		19 12 1965	39.39	31.31	2
8 3 1959	39.24	24.64		23 12 1965	39.20	23.12	
17 4 1959	39.36	29.93		21 2 1966	39.16	21.28	
24 1 1960	39.82	52.92	2 6	25 2 1966	39.44	33.42	
28 1 1960	39.73	48.16	2 6	18 4 1966	39.09	18.78	
24 9 1960	39.19	22.63		9 12 1966	39.58	40.32	2
21 10 1960	39.13	20.43		19 2 1967	39.08	18.20	
25 10 1960	39.32	28.04		20 2 1967	39.07	18.09	
1 11 1960	39.16	21.28		28 2 1967	39.13	20.31	
17 11 1960	39.46	34.42		9 3 1967	39.21	23.37	
27 11 1960	39.23	24.13		15 5 1967	39.65	43.87	
4 12 1960	39.82	52.75		28 5 1967	39.55	38.67	
21 12 1960	39.21	23.37		5 11 1967	39.20	23.00	2
28 12 1960	39.08	18.20		23 12 1967	39.16	21.52	5
10 1 1961	39.44	33.42		1 1 1968	39.20	23.00	
28 1 1961	39.10	19.13		14 1 1968	39.72	47.67	
26 4 1961	39.25	25.02		11 7 1968	40.32	82.63	5
7 1 1962	39.24	24.51		27 11 1968	39.08	18.43	2 5
11 1 1962	39.15	20.91		22 12 1968	39.37	30.21	
6 3 1963	39.17	21.89		18 1 1969	39.28	26.45	2
10 3 1963	39.16	21.40		23 2 1969	39.14	20.55	
18 3 1963	39.18	22.38	2	13 3 1969	39.44	33.42	
18 11 1963	39.45	33.84		6 5 1969	39.13	20.31	
15 3 1964	39.20	23.12		16 5 1969	39.11	19.48	
19 3 1964	39.12	19.84		12 12 1969	39.09	18.55	
24 3 1964	39.10	19.13		22 12 1969	39.07	18.09	

54011

SALWARPE AT HARFORD HILL

GRID REF S0868619 AREA 184. SQ.KM
 PERIOD OF RECORD 28 7 1958 TO 3 1 1970
 SIGNIFICANT GAPS
 23 11 1967 TO 27 1 1968

SERA THRESHOLD 8.40 GRADE A
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
6 9 1958	20.96	15.51		22 4 1961	20.53	10.79	
15 9 1958	20.48	10.29		26 4 1961	21.39	23.53	
23 9 1958	20.60	11.41		21 1 1962	19.87	5.63	
4 10 1958	20.39	9.48		20 12 1962	20.08	7.04	
19 12 1958	21.10	17.48		24 3 1964	20.45	10.02	
20 12 1958	21.48	28.24		26 9 1965	20.63	11.69	
6 1 1959	20.72	12.53		29 11 1965	20.90	14.72	
17 1 1959	21.16	18.47		5 12 1965	20.51	10.57	
22 1 1959	21.47	27.69		9 12 1965	21.48	28.61	
16 4 1959	21.06	16.82		18 12 1965	20.55	10.99	
26 12 1959	20.45	10.02		23 12 1965	20.61	11.55	
21 1 1960	20.53	10.79		1 1 1966	21.00	15.97	
24 1 1960	21.68	46.41		25 1 1966	20.49	10.43	
28 1 1960	21.54	32.13		20 2 1966	20.83	13.81	
26 2 1960	20.54	10.85		9 5 1966	20.75	12.94	
23 9 1960	21.42	25.07		15 10 1966	20.51	10.57	
3 10 1960	20.28	8.57		1 12 1966	20.48	10.29	
24 10 1960	21.42	25.07		10 12 1966	20.57	11.13	
26 10 1960	20.36	9.21		20 2 1967	20.93	15.13	
28 10 1960	21.27	20.74		27 2 1967	20.49	10.43	
1 11 1960	20.60	11.41		9 3 1967	21.13	17.92	
17 11 1960	21.01	16.18					
4 12 1960	21.51	39.52					
6 4 1961	20.33	8.95					

54011 SALWARPE AT HARFORD HILL

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
28 5 1967	21.00	15.97		17 1 1969	20.29	8.69	
16 10 1967	20.63	11.69		23 2 1969	20.36	9.21	
4 11 1967	20.54	10.85		13 3 1969	21.29	21.08	
26 5 1968	20.28	8.57		18 3 1969	20.60	11.41	
11 7 1968	21.57	34.67		6 5 1969	21.59	35.77	
22 12 1968	20.42	9.80		24 5 1969	21.67	43.63	
				3 8 1969	20.29	8.64	

54012 TERN AT WALCOT

GRID REF	SJ592123	AREA	852.	SQ.KM	SERA	GRADE	B
PERIOD OF RECORD	11	5 1959 TO	5	1 1970	THRESHOLD	17.30	CUMECS
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
9 12 1959	46.43	21.21		20 4 1966	46.57	24.43	
30 12 1959	46.52	23.00		12 5 1966	46.29	18.65	
29 1 1960	47.10	44.60		22 8 1966	46.60	25.45	
17 9 1960	46.77	31.36		4 10 1966	46.49	22.40	
23 9 1960	46.96	38.97		15 10 1966	46.63	26.49	
3 10 1960	46.46	21.80		6 11 1966	46.96	38.97	
10 10 1960	46.26	18.11		3 12 1966	47.16	47.21	
29 10 1960	46.93	37.75		10 12 1966	47.15	46.55	
5 11 1960	47.10	44.60		24 12 1966	46.61	25.97	
18 11 1960	46.46	21.80		31 12 1966	46.31	18.93	
27 11 1960	46.78	31.92		21 2 1967	46.29	18.65	
5 12 1960	47.21	49.20		23 2 1967	46.31	18.93	
26 12 1960	46.25	17.89		28 2 1967	47.00	40.19	
1 2 1961	46.75	30.80		10 3 1967	46.48	22.10	
26 4 1961	46.64	27.01		15 5 1967	46.90	36.56	
5 5 1961	46.48	22.10		28 5 1967	46.29	18.65	
2 12 1961	46.54	23.42		17 10 1967	46.81	33.06	
11 12 1961	46.39	20.34		31 10 1967	46.75	30.80	
8 1 1962	46.40	20.63		6 11 1967	47.03	41.43	
17 1 1962	46.48	22.10		25 12 1967	46.52	23.00	
22 1 1962	46.63	26.49		2 1 1968	47.00	40.19	
22 4 1962	46.40	20.63		6 1 1968	46.96	38.97	
30 3 1963	46.22	17.30	9	14 1 1968	47.13	45.90	
26 11 1963	46.69	28.61		28 5 1968	46.48	22.10	
25 3 1964	46.66	27.54		3 7 1968	47.47	61.07	
13 12 1964	46.48	22.10		11 7 1968	46.63	26.49	
10 1 1965	46.78	31.92		15 7 1968	46.87	35.38	
24 1 1965	46.23	17.57		20 10 1968	46.32	19.20	
26 3 1965	46.63	26.49		3 11 1968	46.78	31.92	
9 9 1965	46.69	28.61		18 12 1968	46.29	18.54	
26 9 1965	46.52	23.00		14 1 1969	46.49	22.40	
30 11 1965	46.90	36.56		21 1 1969	46.52	23.00	
10 12 1965	46.99	39.95		12 2 1969	47.06	42.69	
19 12 1965	47.16	47.21		23 2 1969	46.80	32.60	
3 1 1966	46.87	35.38		14 3 1969	46.92	37.15	
8 2 1966	46.48	22.22		4 5 1969	46.78	31.92	
20 2 1966	46.49	22.40		7 5 1969	47.27	51.90	
27 2 1966	46.48	22.10		26 5 1969	47.36	56.06	
3 3 1966	46.43	21.21		11 11 1969	46.65	27.03	
				16 11 1969	46.62	25.99	
				21 12 1969	46.82	33.16	

54013 CLYWEDOG AT CRIBYNAU

GRID REF	SN944855	AREA	57.	SQ.KM	SERA	GRADE	A2
PERIOD OF RECORD	1	1 1959 TO	30	9 1965	THRESHOLD	25.00	CUMECS
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 1 1959	2.63	63.60		26 10 1959	3.01	87.93	
17 1 1959	2.07	32.94		19 12 1959	1.00	25.22	
21 1 1959	2.07	32.94		21 1 1960	1.92	25.89	
				24 1 1960	1.92	25.89	

54013

CLYWEDOG AT CRIBYNAU

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 11 1960	1.90	25.22		11 12 1962	1.98	28.64	
3 12 1960	2.89	79.85		15 12 1962	1.96	27.94	
25 12 1960	2.19	38.98		6 3 1963	2.13	35.91	
29 1 1961	1.96	27.94		14 4 1963	2.11	35.16	
				26 9 1963	2.13	35.91	2
17 10 1961	2.04	31.48		21 11 1963	2.07	32.94	2
30 11 1961	2.56	59.07		25 11 1963	2.46	53.78	2
10 12 1961	2.10	34.41					
4 2 1962	1.95	27.25		17 11 1964	2.02	30.76	
12 2 1962	2.28	43.73		12 12 1964	3.47	120.48	2
2 4 1962	2.48	54.65		30 12 1964	2.16	37.43	
7 4 1962	2.13	35.91		16 1 1965	1.98	28.64	
23 8 1962	2.51	56.41		8 5 1965	1.99	29.34	
11 9 1962	2.05	32.20		8 9 1965	1.92	25.89	

54014

SEVERN AT ABERMULE

GRID REF	S0165958	AREA	580. SQ.KM	SERA	GRADE	A	
PERIOD OF RECORD	15 6 1960 TO	5 1 1970		THRESHOLD	105.00	CUMECs	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
22 9 1960	2.46	107.88		17 11 1964	2.57	115.51	
25 10 1960	2.62	118.81		12 12 1964	5.23	604.83	
1 11 1960	2.52	112.22	9	30 12 1964	3.29	185.85	
24 11 1960	2.43	105.72		9 1 1965	3.04	159.47	8
25 11 1960	2.75	130.05		13 1 1965	2.56	114.41	
26 11 1960	2.97	151.52		16 1 1965	3.15	170.83	
4 12 1960	5.27	616.90		9 5 1965	2.86	140.64	
26 12 1960	2.71	125.60		8 9 1965	2.62	118.81	
29 1 1961	2.78	133.05		2 12 1965	2.60	117.71	
31 1 1961	2.52	112.22		3 12 1965	3.20	175.79	
30 11 1961	3.41	199.57		9 12 1965	4.75	453.41	
10 12 1961	2.65	121.03		17 12 1965	4.25	332.00	
6 1 1962	2.56	114.41		2 1 1966	2.43	105.72	
4 2 1962	2.68	123.26		8 2 1966	2.83	137.58	
12 2 1962	3.07	162.69		27 6 1966	2.52	112.22	
2 4 1962	3.38	196.10		30 11 1966	2.83	137.58	
7 4 1962	2.98	153.10		2 12 1966	3.10	165.93	
23 8 1962	2.92	146.82		10 12 1966	3.81	246.49	
11 9 1962	2.84	139.11		27 2 1967	3.47	206.56	
11 12 1962	2.56	114.41		1 10 1967	2.43	105.72	
15 12 1962	2.98	153.10		16 10 1967	3.32	189.25	
5 3 1963	3.23	179.12		14 1 1968	4.05	292.19	8
15 4 1963	2.51	111.13		23 3 1968	2.74	128.56	
26 9 1963	2.71	125.60		12 5 1968	2.71	125.60	
19 11 1963	2.77	131.54		2 7 1968	2.59	116.61	
21 11 1963	2.89	143.72		26 5 1969	3.33	190.95	
26 11 1963	3.77	242.76		11 11 1969	2.56	114.41	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
1967-1968

54016

RODEN AT RODINGTON

GRID REF	SJ589141	AREA	259. SQ.KM	SERA	GRADE	A	
PERIOD OF RECORD	2 3 1961 TO	2 9 1969		THRESHOLD	8.80	CUMECs	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 4 1961	1.18	11.37		26 11 1963	1.18	11.37	
6 1 1962	1.14	10.43		25 3 1964	1.34	14.56	
17 1 1962	1.09	9.52		10 1 1965	1.17	11.05	
22 1 1962	1.15	10.74		21 3 1965	1.08	9.22	
22 4 1962	1.12	10.12		26 3 1965	1.12	10.12	
30 3 1963	0.99	7.52					

54016

RODEN AT RODINGTON

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 12 1965	1.23	12.33		6 11 1967	1.38	13.67	
10 12 1965	1.29	13.48		2 1 1968	1.35	14.92	
19 12 1965	1.50	18.86		15 1 1968	1.44	17.23	
23 12 1965	1.22	12.14		28 5 1968	1.20	11.69	
3 1 1966	1.28	13.13		3 7 1968	1.88	30.75	
19 2 1966	1.09	9.52		15 7 1968	1.32	14.19	
20 4 1966	1.08	9.22		26 8 1968	1.12	10.12	
7 11 1966	1.15	10.74		29 10 1968	1.15	10.74	
3 12 1966	1.41	16.44		31 10 1968	1.12	10.12	
10 12 1966	1.34	14.56		3 11 1968	1.40	16.06	
24 12 1966	1.08	9.22		14 1 1969	1.09	9.52	
23 2 1967	1.08	9.22		12 2 1969	1.63	22.34	
28 2 1967	1.38	15.67		24 2 1969	1.32	14.19	
10 3 1967	1.12	10.12		14 3 1969	1.63	22.34	
18 5 1967	1.15	10.74		4 5 1969	1.34	14.56	
17 10 1967	1.14	10.43		6 5 1969	1.70	24.67	
31 10 1967	1.14	10.43		26 5 1969	1.70	24.67	

54017

LEADON AT WEDDERBURN BRIDGE

GRID REF S0777234 AREA 293. SQ. KM
 PERIOD OF RECORD 14 8 1961 TO 5 1 1970

SERA THRESHOLD 15.20 GRADE C
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
16 1 1962	10.63	13.49		9 3 1967	11.51	20.80	
9 3 1963	11.22	18.39		15 5 1967	11.44	20.19	
18 3 1963	11.00	16.51		28 5 1967	11.32	19.17	
19 11 1963	11.23	18.44		17 10 1967	11.21	18.26	
19 3 1964	10.99	16.46		5 11 1967	11.50	20.70	
25 3 1964	11.07	17.15		23 12 1967	11.42	19.99	
26 9 1965	10.85	15.25		1 1 1968	11.21	18.29	
2 10 1965	11.09	17.27		6 1 1968	11.09	17.27	
29 11 1965	11.39	19.81		14 1 1968	11.66	22.05	
10 12 1965	11.24	18.54		11 7 1968	12.58	29.81	5
18 12 1965	11.24	18.54		29 10 1968	11.27	18.74	
1 1 1966	11.27	18.79		2 11 1968	11.79	23.10	
26 1 1966	11.30	19.05		27 11 1968	11.38	19.68	
20 2 1966	11.46	20.32	2	1 12 1968	11.24	18.54	
26 2 1966	11.38	19.68	2	18 12 1968	11.24	18.54	
9 5 1966	11.21	18.29		22 12 1968	11.50	20.70	
5 11 1966	11.73	22.62		18 1 1969	11.46	20.32	
23 1 1967	11.20	18.16		21 1 1969	11.24	18.54	
21 2 1967	11.43	20.06		24 2 1969	11.55	21.08	
28 2 1967	11.41	19.94		13 3 1969	11.50	20.70	
				18 3 1969	11.46	20.32	
				6 5 1969	11.27	18.79	
				27 5 1969	11.44	20.19	

54018

REA BROOK AT HOOKAGATE

GRID REF SJ465092 AREA 178. SQ. KM
 PERIOD OF RECORD 1 10 1962 TO 21 7 1969

SERA THRESHOLD 15.60 GRADE A2
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
6 3 1963	65.97	18.86	2	8 2 1966	65.94	17.96	
25 11 1963	66.12	23.27		18 4 1966	65.89	16.78	
24 3 1964	65.94	18.04		19 4 1966	65.97	18.86	
25 3 1965	65.86	16.06		6 11 1966	66.08	21.90	
1 10 1965	65.86	16.06		2 12 1966	65.95	18.45	
29 11 1965	65.94	18.04		10 12 1966	66.01	20.14	
9 12 1965	66.55	38.11		17 2 1967	65.86	16.06	
18 12 1965	66.32	29.70		20 2 1967	65.98	19.28	
22 12 1965	65.89	16.78		27 2 1967	66.03	20.57	
2 1 1966	65.89	16.78		9 3 1967	66.05	21.01	
				15 5 1967	65.93	17.80	

54018 REA BROOK AT HOOKAGATE

DATE	LEVEL	DISCHARGE	NOTE
5 1 1968	66.05	21.01	
14 1 1968	66.32	29.70	
13 5 1968	65.97	18.86	
1 7 1968	65.95	18.45	
2 7 1968	66.35	30.76	
10 7 1968	65.98	19.28	
14 7 1968	66.03	20.48	
14 9 1968	66.23	26.63	
28 10 1968	65.98	19.28	

DATE	LEVEL	DISCHARGE	NOTE
2 11 1968	66.14	23.73	
20 1 1969	65.85	15.77	
11 2 1969	66.05	21.01	
23 2 1969	66.06	21.45	
13 3 1969	66.40	32.38	
18 3 1969	65.95	18.45	
6 5 1969	66.18	25.16	
26 5 1969	66.20	25.65	
29 5 1969	65.98	19.28	

54019 AVON AT STARETON

GRID REF SP333715 AREA 347. SQ. KM
 PERIOD OF RECORD 26 9 1962 TO 30 9 1969

SERA THRESHOLD 13.40 GRADE A1 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
7 3 1963	0.98	14.74	
30 3 1963	1.78	36.67	
26 3 1964	1.09	17.33	
27 9 1965	0.96	14.19	
30 11 1965	1.23	20.76	
6 12 1965	0.92	13.50	
10 12 1965	1.29	22.43	
20 12 1965	1.34	23.66	
24 12 1965	1.38	24.73	
10 2 1966	0.94	13.84	
21 2 1966	1.37	24.65	2
26 2 1966	1.02	15.59	9
20 4 1966	1.06	16.60	
1 9 1966	1.05	16.45	
15 10 1966	1.21	20.45	
3 12 1966	0.96	14.33	
11 12 1966	1.39	25.15	

DATE	LEVEL	DISCHARGE	NOTE
21 2 1967	1.16	19.13	
28 2 1967	1.28	22.03	
10 3 1967	1.11	17.77	
16 5 1967	1.85	38.99	
29 5 1967	1.20	20.06	
6 11 1967	0.95	13.98	
24 12 1967	0.94	13.84	
6 1 1968	1.17	19.21	
15 1 1968	1.58	30.54	
11 7 1968	2.69	98.82	5 4
3 11 1968	1.72	34.68	2
28 11 1968	1.10	17.55	
23 12 1968	1.12	18.07	
14 1 1969	1.12	18.15	
18 1 1969	1.01	15.52	
13 2 1969	1.27	21.95	
24 2 1969	1.44	26.59	
14 3 1969	1.62	31.72	
7 5 1969	1.84	38.60	

54020 PERRY AT YEATON

GRID REF SJ435193 AREA 181. SQ. KM
 PERIOD OF RECORD 25 9 1963 TO 6 1 1970

SERA THRESHOLD 6.40 GRADE A1 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
26 11 1963	0.80	9.12	
28 11 1963	0.67	6.85	
24 3 1964	0.87	10.32	
13 12 1964	0.68	7.14	
23 3 1965	0.76	8.44	
26 3 1965	0.71	7.58	
30 11 1965	0.76	8.34	
7 12 1965	0.68	7.09	
10 12 1965	0.85	9.88	
19 12 1965	0.86	10.21	
23 12 1965	0.78	8.65	
8 2 1966	0.70	7.34	
19 2 1966	0.71	7.48	
3 12 1966	0.94	11.57	
10 12 1966	0.76	8.39	
23 2 1967	0.83	9.55	
28 2 1967	0.92	11.22	
9 3 1967	0.79	8.91	
17 5 1967	0.76	8.44	

DATE	LEVEL	DISCHARGE	NOTE
17 10 1967	0.70	7.34	
31 10 1967	0.68	7.04	
5 11 1967	0.74	8.03	
23 12 1967	0.70	7.39	
FROM FISCHER AND PORTER TAPE			
2 1 1968	0.72	7.73	
5 1 1968	0.79	8.86	
15 1 1968	0.94	11.62	
26 5 1968	0.74	8.14	
2 7 1968	0.73	7.83	
3 11 1968	0.67	6.85	
12 2 1969	0.85	9.88	
25 2 1969	0.85	9.99	
14 3 1969	0.94	11.57	
18 3 1969	0.83	9.66	
6 5 1969	0.89	10.65	
19 5 1969	0.80	9.07	
31 5 1969	0.82	9.39	
11 11 1969	0.67	6.84	
17 11 1969	0.74	7.97	
22 12 1969	0.82	9.34	

54022

SEVERN AT PLYNLIMON WEIR

GRID REF SN850872 AREA 8.05 SQ.KM SERA GRADE A1
 PERIOD OF RECORD 27 4 1951 TO 2 6 1971 THRESHOLD 6.80 CUMECs
 SIGNIFICANT GAPS 25 2 1955 TO 6 6 1955 2 9 1963 TO 4 11 1963

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
23 11 1951	1.10	8.67		11 8 1962	1.05	8.06	4
8 12 1951	0.97	6.93		23 8 1962	1.37	14.77	
23 12 1951	1.21	10.39		11 9 1962	1.20	10.20	
10 1 1952	1.23	10.93		11 12 1962	0.99	7.26	
10 2 1952	1.03	7.67		15 12 1962	1.08	8.41	
2 11 1952	1.22	10.63		6 3 1963	1.02	7.55	
16 12 1952	1.21	10.49	9	14 4 1963	1.10	8.67	
30 1 1953	1.21	10.39		25 6 1963	0.97	6.93	
29 3 1953	1.18	10.01	9	21 11 1963	1.06	8.14	
29 4 1953	1.22	10.55	9	25 11 1963	1.29	12.34	
28 8 1953	1.12	9.08		6 10 1964	1.18	9.91	
1 11 1953	1.02	7.55	9	13 11 1964	1.17	9.77	
8 11 1953	1.06	8.23		17 11 1964	1.09	8.63	
13 11 1953	1.22	10.63		6 12 1964	1.16	9.58	
20 1 1954	1.11	8.85		8 12 1964	1.18	9.91	
6 3 1954	1.19	10.10		12 12 1964	1.55	20.72	
16 7 1954	1.10	8.80		30 12 1964	1.16	9.63	
11 8 1954	1.01	7.42		16 1 1965	1.15	9.44	
15 9 1954	1.04	7.84		8 5 1965	0.99	7.22	
29 9 1954	1.03	7.72		8 9 1965	1.03	7.72	
14 10 1954	1.09	8.54		9 12 1965	1.32	13.35	
26 10 1954	1.07	8.36		17 12 1965	1.28	12.26	
10 11 1954	0.99	7.26		8 2 1966	1.04	7.89	
27 11 1954	1.01	7.42		27 6 1966	1.46	17.48	
2 12 1954	1.16	9.58		14 9 1966	1.16	9.63	
3 7 1955	1.08	8.45		29 11 1966	1.20	10.29	
14 12 1955	1.03	7.72		9 12 1966	1.24	11.23	
21 1 1956	0.99	7.14		23 12 1966	1.07	8.27	
26 1 1956	1.16	9.58		30 12 1966	1.00	7.30	
29 1 1956	0.98	7.10		27 2 1967	1.29	12.34	
5 1 1957	1.24	11.23		1 10 1967	1.25	11.39	
16 3 1957	0.99	7.26		16 10 1967	1.22	10.63	
5 8 1957	1.63	23.69		30 10 1967	0.98	7.01	
10 9 1957	1.03	7.67		22 12 1967	1.07	8.27	
5 11 1957	1.03	7.76		5 1 1968	1.12	8.99	
7 12 1957	1.12	9.08		13 1 1968	1.41	15.80	
23 9 1958	1.32	13.18		16 1 1968	1.02	7.63	
12 10 1958	1.07	8.27		12 5 1968	1.15	8.14	
1 1 1959	1.11	8.85		26 6 1968	1.13	7.74	
21 10 1959	1.06	8.14		20 9 1968	1.12	7.57	
26 10 1959	1.61	23.08		2 10 1968	1.08	6.94	
24 8 1960	0.97	6.97		20 1 1969	1.11	7.41	
26 11 1960	1.01	7.42		31 3 1969	1.16	8.24	
2 12 1960	1.44	16.97		11 11 1969	1.19	8.80	
3 12 1960	1.34	13.69		21 2 1970	1.17	8.41	
25 12 1960	1.03	7.72		20 4 1970	1.07	6.80	
17 10 1961	1.15	9.44		22 4 1970	1.20	9.05	
30 11 1961	1.25	11.31		15 8 1970	1.21	9.17	
10 12 1961	1.22	10.55		9 9 1970	1.22	9.32	
4 2 1962	0.98	7.01		27 10 1970	1.25	9.94	
12 2 1962	1.17	9.86		1 11 1970	1.32	11.33	
2 4 1962	1.12	9.08		4 11 1970	1.12	7.61	
7 4 1962	1.08	8.45		6 11 1970	1.08	6.99	
				12 2 1971	1.10	7.40	

54809

SEVERN AT UPTON ON SEVERN (MEAN DAILY FLOWS)

GRID REF S0865399 AREA 6990. SQ.KM
PERIOD OF RECORD 1 10 1955 TO 30 9 1970

CCB

ANNUAL MAXIMA

GRADE A

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 1 1956		450.		26 3 1964		382.	
29 9 1957		467.		17 12 1964		427.	
13 2 1958		487.		22 12 1965		487.	
23 1 1959		476.		11 12 1966		470.	
25 1 1960		538.		18 1 1968		478.	
7 12 1960		515.		28 5 1969		470.	
13 1 1962		365.		22 2 1970		430.	
9 3 1963		447.					

55001

WYE AT CADORA

 GRID REF 80535090 AREA 4040. SQ.KM
 PERIOD OF RECORD 29 10 1936 TO 1 10 1969

 WRA THRESHOLD 354.00 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 11 1936	13.00	381.45		15 1 1948	14.85	651.97	
16 12 1936	14.55	604.27		2 2 1948	12.82	358.13	
8 1 1937	13.56	457.87		13 9 1948	12.80	354.84	8
22 1 1937	13.10	395.00		12 12 1948	13.06	389.90	
27 2 1937	13.52	452.51		14 12 1948	13.74	483.14	
18 3 1937	13.53	454.29		1 1 1949	14.09	535.02	
13 1 1938	12.95	374.74		7 4 1949	12.87	364.74	
16 1 1938	13.62	466.84		4 12 1949	12.86	363.08	
14 11 1938	12.91	369.73		12 2 1950	14.26	559.70	
27 11 1938	13.23	412.15		14 2 1950	13.89	505.16	
10 12 1938	13.25	415.61		7 1 1951	13.29	420.82	
6 1 1939	13.04	386.51		6 11 1951	13.41	436.57	
16 1 1939	14.40	580.88		9 11 1951	13.25	415.61	
18 1 1939	14.27	561.62		25 11 1951	13.37	431.29	
21 1 1939	12.87	364.74		28 12 1951	13.05	388.20	
23 1 1939	13.09	393.29		11 1 1952	12.86	363.08	
31 7 1939	13.01	383.14		17 12 1952	13.13	398.41	
19 11 1939	13.00	381.45		21 12 1952	13.11	396.70	
24 11 1939	13.33	426.04		7 3 1954	12.85	361.43	
28 11 1939	14.32	569.29		7 11 1954	4.31	381.61	
31 11 1939	13.08	391.60		24 11 1954	4.29	378.25	
27 1 1940	13.86	501.46		27 11 1954	5.77	590.77	
8 2 1940	13.71	479.50		4 12 1954	4.26	374.90	
4 11 1940	14.22	553.97		14 12 1954	4.34	384.98	
13 11 1940	13.89	505.16		28 3 1955	5.25	512.75	
23 11 1940	13.84	497.78		9 6 1955	13.71	479.50	
8 2 1941	13.99	520.02		22 1 1956	12.87	364.74	
2 3 1941	13.22	410.42		27 1 1956	13.41	436.57	
25 1 1942	13.41	436.57		29 12 1956	13.63	468.64	
12 12 1942	13.00	381.45		8 2 1957	13.47	445.40	
12 1 1943	13.22	410.42		25 9 1957	12.86	363.08	
1 2 1943	14.88	656.00		26 9 1957	13.28	419.08	
10 2 1943	13.44	441.86		4 11 1957	13.03	384.82	
24 1 1944	13.79	490.44	8	6 11 1957	13.20	408.70	
21 10 1944	13.33	426.04	8	11 2 1958	14.47	592.53	
20 11 1944	13.13	398.41	8	25 2 1958	12.90	368.06	
29 11 1944	13.23	412.15	8	24 9 1958	12.99	379.77	
17 12 1944	13.11	396.70	8	4 10 1958	13.58	461.45	
31 1 1945	13.81	494.11	8	5 10 1958	13.63	468.64	
14 2 1945	13.41	436.97	8	14 10 1958	12.90	368.06	
3 4 1945	12.80	354.84	8	19 1 1959	13.41	436.57	
27 10 1945	13.55	456.08	8	21 1 1959	14.09	535.02	
19 12 1945	12.82	358.13		23 1 1959	13.63	468.64	
25 12 1945	13.66	472.25		17 4 1959	12.80	354.84	
29 12 1945	13.03	384.82		8 12 1959	13.84	497.78	
12 1 1946	13.51	450.73		21 12 1959	12.87	364.74	
29 1 1946	12.90	368.06		23 12 1959	12.95	374.74	
1 2 1946	13.10	395.00		26 12 1959	12.85	361.43	
4 2 1946	13.75	484.96		23 1 1960	13.97	516.29	
10 2 1946	15.26	717.43		26 1 1960	14.99	674.24	
24 2 1946	13.19	406.98		31 1 1960	12.92	371.40	
6 9 1946	13.32	424.30		4 2 1960	13.18	405.26	
22 9 1946	14.17	546.37	8	28 2 1960	13.53	454.29	
21 11 1946	13.66	472.25		4 4 1960	12.91	369.73	
25 11 1946	14.42	584.75		27 10 1960	13.55	456.08	
28 11 1946	14.47	592.53		5 11 1960	13.34	427.79	
13 3 1947	14.32	569.29		26 11 1960	13.55	456.08	
14 3 1947	14.42	584.75		5 12 1960	15.95	832.51	
20 3 1947	16.48	925.88	4	16 1 1962	12.94	373.06	
22 3 1947	14.85	651.97					
9 4 1947	12.96	376.41					
13 1 1948	14.13	540.68					

55001

WYE AT CADORA

DATE	LEVEL	DISCHARGE	NOTE
7 3 1963	13.83	495.94	
10 3 1963	13.38	433.05	
20 11 1963	12.91	369.73	
27 11 1963	13.00	381.45	
14 12 1964	13.74	483.14	
31 12 1964	12.90	368.06	
17 1 1965	12.97	378.09	
4 12 1965	12.80	354.84	
11 12 1965	14.61	614.11	
20 12 1965	14.80	643.94	
26 2 1966	13.28	419.08	
9 5 1966	13.03	384.82	

DATE	LEVEL	DISCHARGE	NOTE
3 12 1966	13.05	388.20	
11 12 1966	13.47	445.40	
23 2 1967	12.91	369.73	
28 2 1967	13.56	457.87	
18 10 1967	13.63	468.64	
16 1 1968	14.65	620.04	
17 1 1968	13.41	436.57	
25 3 1968	13.41	436.57	
22 12 1968	13.03	384.82	
19 1 1969	13.30	422.56	
24 2 1969	13.06	389.90	
27 5 1969	12.86	363.08	

55002

WYE AT BELMONT

GRID REF	80485388	AREA	1900.	SQ. KM
PERIOD OF RECORD	7 1 1908 TO	30 9 1969		
SIGNIFICANT GAPS				
26 8 1908 TO	5 10 1908	31 3 1909 TO		
30 11 1910 TO	6 12 1910	26 12 1913 TO		
5 10 1919 TO	21 11 1919	12 12 1919 TO		
25 12 1931 TO	8 1 1932	23 12 1933 TO		
4 2 1943 TO	11 6 1943	3 1 1949 TO		
30 11 1951 TO	11 4 1952	28 12 1955 TO		
30 9 1957 TO	6 2 1958	13 2 1958 TO		

WRA THRESHOLD 235.00 GRADE B CUMECs

DATE	LEVEL	DISCHARGE	NOTE
16 12 1908	3.64	316.11	
16 1 1909	3.35	274.61	
30 3 1909	3.27	264.09	
17 10 1909	3.91	357.61	
26 10 1909	3.30	268.28	
4 12 1909	4.03	376.72	
11 6 1910	3.94	362.35	
1 11 1910	3.20	253.74	
23 11 1910	3.33	272.49	
15 12 1910	3.71	327.42	
17 12 1910	4.61	473.04	
14 11 1911	3.96	364.73	
12 12 1911	3.61	311.63	
19 12 1911	3.81	341.22	
21 12 1911	3.50	296.15	
7 1 1912	3.20	253.74	
6 3 1912	3.81	341.22	
24 8 1912	3.96	364.73	
28 8 1912	4.41	439.08	
29 10 1912	3.70	325.15	
18 12 1912	3.64	316.11	
2 1 1913	3.36	276.73	
23 1 1913	3.81	341.22	
7 2 1913	3.20	253.74	
17 3 1913	3.50	296.15	
23 3 1913	3.81	341.22	
17 4 1913	3.81	341.22	
27 4 1913	4.11	388.88	
29 4 1913	3.50	296.15	
8 6 1913	3.81	341.22	
13 11 1913	3.32	270.38	
22 11 1913	3.61	311.63	
13 2 1914	3.71	327.42	
15 2 1914	3.81	341.22	
4 12 1914	3.84	345.87	
18 12 1914	3.49	293.97	

DATE	LEVEL	DISCHARGE	NOTE
28 12 1914	3.73	329.71	
31 12 1914	4.11	388.88	
1 1 1915	3.53	300.54	
11 1 1915	3.50	296.15	
16 1 1915	3.53	300.54	
8 2 1915	3.41	283.15	
17 2 1915	3.70	325.15	
13 11 1915	3.84	345.87	
5 12 1915	3.94	362.35	
6 12 1915	3.94	362.35	
10 12 1915	3.50	296.15	
28 12 1915	4.02	374.31	
1 1 1916	3.79	338.90	
16 2 1916	4.26	413.66	
18 2 1916	3.71	327.42	
19 4 1916	3.23	257.86	
29 10 1916	3.65	318.36	
30 8 1917	3.64	316.11	
9 10 1917	3.20	253.74	
10 11 1917	3.30	268.28	
19 1 1918	4.37	431.39	
14 2 1918	3.65	318.36	
22 9 1918	3.20	253.74	
4 1 1919	3.45	289.62	
22 2 1919	3.73	329.71	
12 12 1919	3.53	300.54	
24 12 1919	3.94	362.35	
18 1 1920	3.91	357.61	
11 2 1920	3.91	357.61	
28 3 1920	3.30	268.28	
16 4 1920	3.96	364.73	
11 1 1921	3.32	270.38	
17 1 1921	3.50	296.15	
29 12 1921	3.45	289.62	
2 1 1922	3.12	245.49	
23 2 1922	3.50	296.15	

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WYE AT BELMONT

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
20 9 1922	3.67	320.61		11 10 1933	3.35	274.61	
22 12 1922	3.67	320.61		12 1 1934	3.20	253.74	
7 1 1923	3.36	276.73		14 1 1934	3.35	274.61	
2 2 1923	3.42	285.30		9 12 1934	3.45	289.62	
18 2 1923	3.27	264.09		20 12 1934	3.23	257.86	
28 2 1923	3.88	352.89		25 9 1935	3.29	266.18	
27 10 1923	3.33	272.49		10 10 1935	3.38	278.86	
14 12 1923	3.81	341.22		15 11 1935	3.58	307.17	
12 1 1924	3.67	320.61		31 11 1935	3.29	266.18	
11 10 1924	3.65	318.36		10 1 1936	3.84	345.87	
28 12 1924	3.96	364.73		CLOCK STOPPED			
31 12 1924	3.94	362.35	6	13 7 1936	3.44	287.45	
2 1 1925	4.23	408.66		9 11 1936	3.79	338.90	
12 2 1925	4.11	388.88		15 12 1936	4.87	519.00	
27 2 1925	3.39	281.00		18 12 1936	3.33	272.49	
23 10 1925	3.50	296.15		7 1 1937	4.38	433.94	
2 2 1926	3.20	253.74		21 1 1937	3.32	270.38	
19 7 1926	3.70	325.15		18 3 1937	3.50	296.15	
5 11 1926	3.23	257.86		12 1 1938	3.71	327.42	
17 11 1926	3.32	270.38		15 1 1938	4.14	393.79	
25 1 1927	3.56	304.95		17 1 1938	3.74	332.00	
29 1 1927	3.47	291.79		9 10 1938	3.77	336.59	
5 7 1927	3.23	257.86		13 11 1938	3.88	352.89	
22 8 1927	3.68	322.88		26 11 1938	4.17	398.72	2
2 11 1927	3.27	264.09		28 11 1938	3.29	266.18	
13 1 1928	3.20	253.74		10 12 1938	3.61	311.63	
22 1 1928	3.67	320.61		7 1 1939	3.33	272.49	
24 1 1928	3.35	274.61		15 1 1939	4.26	413.66	
5 2 1928	3.42	285.30		18 1 1939	3.50	296.15	
16 2 1928	3.65	318.36		2 3 1939	3.20	253.74	
15 11 1928	3.20	253.74		30 7 1939	4.23	408.66	
17 11 1928	3.88	352.89		16 11 1939	3.41	283.15	
22 11 1928	3.35	274.61		19 11 1939	3.91	357.61	
24 11 1928	4.49	452.01		23 11 1939	3.96	364.73	
26 12 1928	3.23	257.86		26 11 1939	4.83	510.76	
24 10 1929	3.29	266.18		30 11 1939	3.84	345.87	
12 11 1929	4.57	465.11		27 1 1940	3.71	327.42	7
20 11 1929	3.91	357.61		8 2 1940	3.65	318.36	
25 11 1929	3.88	352.89		3 11 1940	4.78	502.58	
2 12 1929	3.27	264.09		6 11 1940	3.29	266.18	
5 12 1929	3.81	341.22		12 11 1940	4.49	452.01	
11 12 1929	4.48	449.41		22 11 1940	4.48	449.41	
29 12 1929	3.96	364.73		8 2 1941	4.29	418.70	
11 1 1930	4.26	413.66		2 3 1941	3.65	318.36	
15 1 1930	3.94	362.35		18 10 1941	3.94	362.35	
21 7 1930	3.23	257.86		7 12 1941	3.29	266.18	
21 9 1930	4.11	388.88		24 1 1942	4.41	439.08	5 6
3 11 1930	3.26	262.01		28 5 1942	3.20	253.74	
11 12 1930	3.50	296.15		22 10 1942	3.23	257.86	
31 12 1930	3.50	296.15		1 2 1943	4.63	475.69	
28 5 1931	3.81	341.22		OBTAINED FROM SURFACE WATER YEAR-BOOK			
4 11 1931	4.80	505.30		13 9 1943	3.30	268.28	
11 11 1931	3.35	274.61		14 9 1943	3.81	341.22	
10 1 1932	4.11	388.88		23 10 1943	3.27	264.09	6
13 1 1932	3.73	329.71		23 1 1944	4.49	452.01	
17 1 1932	3.65	318.36		21 10 1944	4.41	439.08	
2 5 1932	4.11	388.88		20 11 1944	3.50	296.15	
8 10 1932	3.35	274.61		28 11 1944	4.06	381.57	
22 10 1932	4.03	376.72		17 12 1944	3.56	304.95	
30 10 1932	3.65	318.36		31 1 1945	3.96	364.73	7
30 11 1932	3.42	285.30		2 2 1945	4.11	388.88	
3 1 1933	3.64	316.11		4 2 1945	3.97	367.12	
8 1 1933	3.42	285.30		13 2 1945	4.02	374.31	
2 2 1933	3.64	316.11		2 4 1945	3.88	352.89	
2 3 1933	3.73	329.71					

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WYE AT BELMONT

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 10 1945	4.20	403.68		9 11 1954	49.22	271.38	
19 11 1945	3.42	285.30		10 11 1954	49.80	368.23	
10 1 1946	3.64	316.11		24 11 1954	50.44	482.36	
11 1 1946	3.96	364.73		28 11 1954	50.71	543.74	
29 1 1946	3.29	266.18		30 11 1954	50.13	425.81	
1 2 1946	3.65	318.36		3 12 1954	50.01	403.94	
4 2 1946	4.37	431.39		10 12 1954	49.46	309.87	
9 2 1946	5.63	711.95		11 12 1954	49.46	309.87	
24 2 1946	4.37	431.39		12 12 1954	49.68	348.48	
2 9 1946	3.33	272.49		14 12 1954	50.17	431.35	
5 9 1946	4.22	406.16		16 1 1955	49.25	275.85	
21 9 1946	4.95	532.86		27 3 1955	50.93	602.90	
				22 4 1955	50.13	425.81	
21 11 1946	4.03	376.72		8 6 1955	50.56	505.71	
CLOCK STOPPED				14 12 1955	49.77	363.26	
22 11 1946	4.26	413.66		27 1 1956	4.29	418.70	
24 11 1946	4.64	478.35		OBTAINED FROM SURFACE WATER YEAR-BOOK			
28 11 1946	4.19	401.19		26 9 1957	4.60	470.39	
14 1 1947	3.45	289.62		OBTAINED FROM SURFACE WATER YEAR-BOOK			
14 3 1947	4.38	433.94		10 2 1958	4.51	454.62	
19 3 1947	5.71	735.16		OBTAINED FROM SURFACE WATER YEAR-BOOK			
8 4 1947	3.45	289.62		22 1 1959	4.41	439.08	
27 12 1947	3.84	345.87		OBTAINED FROM SURFACE WATER YEAR BOOK			
1 1 1948	3.29	266.18		17 4 1959	3.70	325.15	
3 1 1948	3.53	300.54		26 11 1959	3.49	293.97	
11 1 1948	4.51	454.62		8 12 1959	3.41	283.15	
13 1 1948	5.25	602.31		20 12 1959	3.44	287.45	
2 2 1948	3.33	272.49		22 1 1960	4.16	396.25	
13 9 1948	4.11	388.88		25 1 1960	4.52	457.23	
				30 1 1960	3.35	274.61	
9 12 1948	3.35	274.61		3 2 1960	3.81	341.22	
12 12 1948	3.42	285.30		27 2 1960	4.32	423.75	
14 12 1948	3.94	362.35	2	4 4 1960	3.55	302.74	
31 12 1948	4.41	439.08		25 10 1960	4.17	398.72	
1 1 1949	3.96	364.73		4 11 1960	4.05	379.14	
6 4 1949	3.33	272.49		26 11 1960	3.71	327.42	
7 4 1949	3.50	296.15		4 12 1960	6.38	958.43	
18 11 1949	3.27	264.09		16 1 1962	3.68	322.88	
4 12 1949	3.91	357.61		13 2 1962	3.20	253.74	
19 12 1949	3.27	264.09	2	12 9 1962	3.39	281.00	
11 2 1950	4.72	491.75		15 12 1962	3.36	276.73	
13 2 1950	4.11	388.88		6 3 1963	4.25	411.16	
25 9 1950	3.76	334.29		9 3 1963	3.53	300.54	
28 12 1950	3.27	264.09	8	19 11 1963	3.81	341.22	
6 1 1951	3.96	364.73		26 11 1963	3.93	359.98	
22 3 1951	3.33	272.49	2	9 12 1964	3.20	253.74	
24 3 1951	3.33	272.49		13 12 1964	5.01	344.04	
13 4 1951	3.30	268.28		30 12 1964	3.93	359.98	
25 11 1951	4.78	502.58		13 1 1965	3.33	272.49	
OBTAINED FROM SURFACE WATER YEAR-BOOK				16 1 1965	3.73	329.71	
28 10 1952	49.30	282.59		18 1 1965	3.47	291.79	
17 12 1952	50.32	459.42		24 1 1965	3.26	262.01	
19 12 1952	49.28	280.34		3 12 1965	3.81	341.22	
21 12 1952	50.06	412.09		10 12 1965	5.37	636.24	
29 3 1953	49.89	383.29		19 12 1965	5.33	623.39	
1 4 1953	49.16	262.93		25 2 1966	4.00	371.91	
22 9 1953	49.37	293.96		9 5 1966	4.03	376.72	
2 11 1953	49.71	353.38		2 12 1966	4.25	411.16	
9 11 1953	49.22	271.38		10 12 1966	4.70	489.06	
14 11 1953	49.22	271.38		23 2 1967	3.58	307.17	
21 1 1954	49.14	260.33		28 3 1967	4.34	426.29	
10 2 1954	49.22	271.38		2 10 1967	3.85	348.20	
7 3 1954	50.01	403.94		4 10 1967	3.23	257.86	
11 6 1954	49.71	353.38					
19 10 1954	49.43	304.51					
24 10 1954	50.06	412.09					
27 10 1954	49.77	363.26					
6 11 1954	50.35	465.12					

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WYE AT BELMONT

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 10 1967	4.77	499.86		2 7 1968	3.73	329.71	
31 10 1967	3.27	264.09		28 10 1968	3.23	257.86	
3 11 1967	3.35	274.61		2 11 1968	3.27	264.09	
24 12 1967	3.36	276.73		22 12 1968	3.27	264.09	
5 1 1968	3.33	272.49		18 1 1969	3.97	367.12	
15 1 1968	5.12	565.43		27 5 1969	3.76	334.29	
17 1 1968	4.14	393.79					
24 2 1968	4.40	437.02	2				

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
1909-1910 1919-1920 1931-1932

55003

LUGG AT LUGWARDINE

GRID REF 80348405 AREA 886. SQ.KM
PERIOD OF RECORD 1 12 1939 TO 6 10 1969

WRA THRESHOLD 35.80 GRADE B CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 1 1940	47.57	53.53	8	5 2 1951	47.40	45.50	
8 2 1940	47.47	48.49		17 2 1951	47.33	42.05	
21 2 1940	47.42	46.09		14 3 1951	47.43	46.68	
4 11 1940	47.32	41.49		24 3 1951	47.47	48.49	
13 11 1940	47.38	44.33		9 4 1951	47.47	48.49	
18 11 1940	47.25	38.77		11 11 1951	47.43	46.68	
24 11 1940	47.45	47.89		20 11 1951	47.32	41.49	
30 1 1941	47.43	46.68		24 11 1951	47.26	39.31	
10 2 1941	47.49	49.73		29 12 1951	47.21	37.19	
3 3 1941	47.38	44.33		21 12 1952	47.44	47.28	
9 3 1941	47.42	46.09		5 4 1953	47.20	36.67	
10 6 1941	47.37	43.75		10 2 1954	47.21	37.19	
26 1 1942	47.42	46.09		20 2 1954	47.33	42.05	
4 2 1942	47.42	46.09		14 6 1954	47.42	46.09	
13 1 1943	47.42	46.09		8 11 1954	47.47	48.49	
26 1 1943	47.43	46.68		28 11 1954	47.53	51.61	
1 2 1943	47.52	50.98		17 1 1955	47.37	43.75	9
10 2 1943	47.47	48.49		31 1 1955	47.26	39.31	
24 1 1944	47.04	32.18		29 3 1955	47.48	49.11	
18 12 1944	47.34	42.61		18 5 1955	47.40	45.50	
3 2 1945	47.49	49.73		9 6 1955	47.62	56.17	
13 2 1945	47.30	40.94		15 12 1955	47.37	43.75	
1 11 1945	47.52	50.98		OBTAINED FROM SURFACE WATER YEAR-BOOK			
29 12 1945	47.47	48.49		29 1 1956	47.48	49.11	
12 1 1946	47.44	47.28		2 1 1957	47.48	49.11	
10 2 1946	47.53	51.61		9 2 1957	47.43	46.68	
13 8 1946	47.52	50.98		28 9 1957	47.53	51.61	
29 8 1946	47.38	44.33		7 11 1957	47.51	50.35	
7 9 1946	47.57	53.53		24 12 1957	47.33	42.05	
23 9 1946	47.29	40.39	2	11 1 1958	47.26	39.31	
26 11 1946	47.54	52.25		12 2 1958	47.52	50.98	
9 12 1946	47.33	42.05		26 2 1958	47.47	48.49	
9 1 1947	47.39	44.91		16 9 1958	47.47	48.49	
20 3 1947	47.72	61.67		24 9 1958	47.53	51.61	
8 4 1947	47.44	47.28		4 10 1958	47.62	56.17	
15 1 1948	47.51	50.35		20 12 1958	47.47	48.49	
5 2 1948	47.43	46.68		8 1 1959	47.49	49.73	
14 12 1948	47.51	50.35		21 1 1959	47.52	50.98	
2 1 1949	47.49	49.73		17 4 1959	47.35	43.18	
7 4 1949	47.34	42.61		10 12 1959	47.52	50.98	
6 2 1950	47.45	47.89		23 12 1959	47.45	47.89	
14 2 1950	47.51	50.35		30 12 1959	47.38	44.33	
20 2 1950	47.29	40.39		23 1 1960	47.54	52.25	
22 11 1950	47.45	47.89		RIVER BACKED-UP BY WYE			
29 11 1950	47.40	45.50		20 2 1960	47.21	37.19	
7 1 1951	47.48	49.11		26 2 1960	47.52	50.98	
				4 4 1960	47.49	49.73	

55003

LUGO AT LUGWARDINE

DATE	LEVEL	DISCHARGE	NOTE
3 10 1960	47.45	47.89	
9 10 1960	47.39	44.91	
28 10 1960	47.54	52.25	
12 11 1960	47.52	50.98	
17 11 1960	47.47	48.49	
26 11 1960	47.49	49.73	
5 12 1960	47.54	52.25	
RIVER BACKED-UP BY WYE			
6 1 1961	47.24	38.24	
10 1 1961	47.33	42.05	
13 4 1961	47.25	38.77	
26 4 1961	47.44	47.28	
17 1 1962	47.30	40.94	
22 1 1962	47.32	41.49	
8 3 1963	47.54	52.25	
19 11 1963	47.37	43.75	9
26 11 1963	47.34	42.61	9
20 3 1964	47.26	39.31	
25 3 1964	47.44	47.28	
14 12 1964	47.21	37.19	
19 1 1965	47.29	40.39	
25 1 1965	47.24	38.24	
24 3 1965	2.20	41.48	
29 11 1965	2.28	45.03	2
5 12 1965	2.33	47.02	
11 12 1965	2.46	53.77	
20 12 1965	2.42	51.61	
1 1 1966	2.34	47.74	
25 1 1966	2.28	44.89	
10 2 1966	2.22	42.15	
21 2 1966	2.36	48.47	

DATE	LEVEL	DISCHARGE	NOTE
27 2 1966	2.37	49.21	
4 3 1966	2.34	47.74	
21 4 1966	2.38	49.81	
10 5 1966	2.48	54.40	
20 10 1966	2.24	42.96	
7 11 1966	2.48	54.56	2
2 12 1966	2.16	39.50	2
11 12 1966	2.37	49.06	
17 2 1967	2.27	44.33	
22 2 1967	2.43	52.23	
1 3 1967	2.45	53.00	
10 3 1967	2.37	49.21	
19 10 1967	2.49	55.35	
3 11 1967	2.43	52.23	
24 12 1967	2.43	52.23	
2 1 1968	2.32	46.88	
6 1 1968	2.31	46.31	
15 1 1968	2.49	55.35	
25 3 1968	2.10	36.97	
26 5 1968	2.26	43.78	
5 7 1968	2.45	53.31	
11 7 1968	2.49	55.35	
29 10 1968	2.22	42.15	
2 11 1968	2.34	47.45	
23 12 1968	2.45	53.00	2
9 1 1969	2.24	42.82	
14 1 1969	2.25	43.51	
24 2 1969	2.46	53.77	
14 3 1969	2.48	54.40	
19 3 1969	2.47	54.09	
6 5 1969	2.11	37.59	
27 5 1969	2.52	56.63	

55004

IRPON AT ABERNANT

GRID REF SN892460 AREA 72.8 SQ. KM
 PERIOD OF RECORD 1 10 1937 TO 6 10 1969

WRA THRESHOLD 35.00 CUMEC'S
 GRADE C

SIGNIFICANT GAPS

1 10 1937 TO 1 11 1937 4 3 1949 TO 12 3 1949 19 11 1957 TO 12 12 1957

DATE	LEVEL	DISCHARGE	NOTE
14 1 1938	1.61	37.34	
1 6 1938	1.64	39.20	
3 10 1938	1.65	39.57	
6 10 1938	1.73	44.73	
8 10 1938	1.72	43.81	
25 11 1938	1.76	46.56	
14 1 1939	2.04	62.72	
6 7 1939	1.61	37.34	
8 7 1939	1.59	35.84	
28 7 1939	1.73	44.73	
29 7 1939	2.13	68.01	
16 11 1939	1.67	41.05	
18 11 1939	1.61	37.34	
25 11 1939	1.80	48.92	
7 2 1940	1.60	36.40	
31 10 1940	1.64	39.20	
2 11 1940	1.82	50.19	
11 11 1940	1.64	39.20	
21 11 1940	1.65	39.57	
17 10 1941	1.66	40.13	
23 1 1942	1.61	37.34	
26 5 1942	1.58	35.47	
11 12 1942	1.61	37.34	
31 1 1943	1.75	45.64	

DATE	LEVEL	DISCHARGE	NOTE
10 5 1943	1.67	41.05	
19 9 1943	1.64	39.20	
22 1 1944	1.74	45.28	
20 10 1944		53.00	
27 12 1944	1.82	49.83	
1 2 1945	1.61	37.34	
1 4 1945	1.61	37.34	
15 12 1945	1.59	35.84	
6 2 1946	1.94	57.03	2
WEIR BREACHED			
23 2 1946	1.58	35.47	
11 8 1946	1.66	38.46	
4 9 1946	1.84	50.25	
19 9 1946	2.22	80.83	
2 10 1946	1.61	35.33	
21 11 1946	1.68	39.78	
23 11 1946	1.92	55.89	
27 11 1946	1.66	38.46	
14 1 1947	1.69	39.98	
12 3 1947	1.83	49.60	
18 3 1947	2.00	62.61	
21 3 1947	1.70	40.94	
5 4 1947	1.63	36.24	
26 12 1947	1.68	39.78	

55004

IRPON AT ABERNANT

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 1 1948	1.92	55.89					
12 1 1948	2.08	69.51		3 10 1958	1.69	39.98	
2 2 1948	1.71	41.34		13 10 1958	1.71	41.34	
6 6 1948	1.76	44.54		16 1 1959	1.76	44.74	
12 9 1948	2.44	96.65		16 4 1959	1.70	40.94	
11 12 1948	1.66	38.08		26 10 1959	1.93	58.24	
13 12 1948	1.64	37.15		27 10 1959	1.61	35.51	
30 12 1948	2.06	67.94		25 11 1959	1.76	44.95	
31 12 1948	1.78	45.98		19 12 1959	1.64	37.15	
3 4 1949	1.82	48.73		24 1 1960	1.82	48.95	
5 4 1949	1.64	37.15		2 2 1960	1.66	38.08	
6 4 1949	1.65	37.52		26 2 1960	1.89	54.05	
28 5 1949	1.66	38.08		22 9 1960	1.67	39.02	
18 10 1949	1.73	42.92		24 10 1960	1.79	47.03	
9 2 1950	1.89	54.05		3 11 1960	1.79	47.03	
6 9 1950	1.75	43.93		3 12 1960	2.22	80.83	8
14 9 1950	1.64	37.15		25 12 1960	1.76	44.54	
24 9 1950	1.65	37.71		10 10 1961	1.64	37.15	
27 11 1950	1.79	47.03		26 10 1961	1.64	36.97	
6 1 1951	1.82	48.95		15 1 1962	1.82	48.95	
25 9 1951	1.78	45.77		2 4 1962	1.67	39.02	
24 11 1951	1.85	51.35		23 8 1962	1.70	40.94	
24 12 1951	1.69	39.98		11 9 1962	1.87	52.47	
13 1 1952	1.64	36.97		6 3 1963	1.82	48.73	
10 2 1952	1.61	35.51		9 3 1963	1.67	39.02	
27 10 1952	1.82	48.95		17 11 1963	1.62	35.69	
16 12 1952	1.67	39.02		13 11 1964	1.64	37.34	
29 3 1953	1.68	39.40		17 11 1964	1.61	35.33	
29 4 1953	1.66	38.08		6 12 1964	1.70	40.94	
29 8 1953	1.73	42.92		8 12 1964	1.90	54.74	
8 11 1953	1.84	50.25		12 12 1964	2.19	78.72	
6 3 1954	1.82	48.73		13 1 1965	1.70	40.56	
9 6 1954	1.80	47.66	5	16 1 1965	1.66	38.08	
17 9 1954	1.70	40.56		8 9 1965	1.71	48.84	
4 10 1954	1.65	37.52		9 12 1965	2.17	77.68	
18 10 1954	1.64	37.15		18 12 1965	1.76	51.43	
23 10 1954	1.82	48.73		19 12 1965	1.76	51.78	
10 11 1954	1.85	51.35		25 2 1966	1.60	42.68	
23 11 1954	1.61	35.33		4 9 1966	1.55	39.97	
27 11 1954	1.82	49.16		1 12 1966	1.49	37.33	
13 12 1954	1.85	51.35		9 12 1966	1.77	52.31	
23 3 1955	1.62	36.05		22 2 1967	1.57	41.40	
26 3 1955	2.02	64.36		27 2 1967	1.88	58.99	
14 12 1955	1.82	49.16		29 9 1967	1.70	48.15	
25 1 1956	1.69	39.98		2 10 1967	1.84	56.24	
18 8 1956	1.64	36.97		3 10 1967	1.53	39.34	
31 1 1957	1.68	39.78		16 10 1967	1.85	57.15	
19 3 1957	1.76	44.95		23 12 1967	1.61	43.17	
5 8 1957	1.83	49.38		13 1 1968	1.85	57.15	
23 9 1957	1.64	37.15		16 1 1968	1.67	46.30	
25 9 1957	2.19	78.72		23 3 1968	1.82	55.16	
29 10 1957	1.70	40.94		26 6 1968	1.66	45.97	
9 2 1958	1.88	52.92		17 1 1969	1.61	43.33	
23 9 1958	1.95	58.24					

55005

WYE AT RHAYADER

GRID REF SN969676 AREA 167.80 KM
 PERIOD OF RECORD 9 11 1937 TO 6 10 1969 WRA THRESHOLD 59.00 CUMECs GRADE C
 SIGNIFICANT GAPS 30 6 1952 TO 28 7 1952 3 10 1955 TO 30 10 1955 22 9 1964 TO 27 9 1964
 14 8 1968 TO 25 8 1968

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
12 1 1938	2.16	64.41		16 12 1952	2.08	82.30	
26 11 1938	2.22	69.50		30 1 1953	1.85	61.39	
7 1 1939	2.31	77.89		29 3 1953	2.56	139.04	
14 1 1939	2.31	77.61		29 4 1953	2.07	82.00	
29 7 1939	2.19	67.18		29 8 1953	1.96	70.97	
18 11 1939	2.19	66.93		21 9 1953	1.85	61.90	
25 11 1939	2.95	151.84		1 11 1953	2.10	84.44	
29 11 1939	2.24	71.08		13 11 1953	2.17	91.72	
2 11 1940	2.45	91.17		20 1 1954	2.10	84.44	
4 11 1940	2.16	64.41		6 3 1954	1.99	73.78	
11 11 1940	2.37	83.04		16 7 1954	1.95	69.86	
25 3 1941	2.37	83.63		16 9 1954	1.84	60.63	
17 10 1941	2.10	60.03		30 9 1954	1.88	64.49	
23 1 1942	2.37	83.63		14 10 1954	1.84	60.38	
18 6 1943	1.95	48.67		27 11 1954	2.36	113.16	
22 1 1944	2.30	76.50		2 12 1954	2.34	111.33	
20 10 1944	2.25	72.41		13 12 1954	2.07	81.39	
27 11 1944	2.13	62.68		23 12 1954	1.91	66.34	
1 4 1945	2.16	64.66		26 3 1955	2.08	82.91	
3 2 1946	2.18	66.16		14 12 1955	2.07	81.39	
6 2 1946	2.13	61.95		21 1 1956	2.30	106.65	
8 2 1946	3.20	188.61		26 1 1956	2.83	179.16	
23 2 1946	2.53	99.78		3 2 1956	1.88	64.23	
29 8 1946	1.85	61.64		7 9 1956	1.85	61.90	
20 9 1946	2.74	164.95		5 1 1957	2.10	84.44	
22 11 1946	1.97	72.36		17 3 1957	2.01	75.49	
14 1 1947	1.87	63.19		5 8 1957	2.79	172.44	
18 3 1947	2.25	100.72		10 9 1957	1.92	67.14	
21 3 1947	1.88	64.49		12 9 1957	2.01	75.49	
12 11 1947	1.98	73.21		25 9 1957	2.15	90.10	
27 12 1947	2.45	124.53		31 10 1957	1.92	67.14	
31 12 1947	2.26	101.75		5 11 1957	2.28	104.19	
2 1 1948	2.32	109.16		7 12 1957	2.10	85.06	
11 1 1948	2.19	94.00		9 2 1958	1.93	68.49	
12 1 1948	2.78	171.96		21 2 1958	1.83	60.13	
12 9 1948	1.95	70.41		23 9 1958	2.38	115.38	
2 1 1949	1.88	63.97		13 10 1958	2.05	79.30	
6 4 1949	1.95	69.86		1 1 1959	1.85	61.39	
12 4 1949	1.85	61.90		17 1 1959	1.95	69.86	
15 7 1949	1.85	61.39		26 10 1959	2.95	199.73	
18 10 1949	1.87	63.19		21 1 1960	2.06	80.79	
3 12 1949	2.24	100.04		24 1 1960	2.10	84.44	
18 12 1949	2.04	78.41		29 1 1960	1.93	68.49	
10 2 1950	2.84	181.59		26 2 1960	1.88	63.71	
6 9 1950	2.01	75.49		3 12 1960	3.31	266.05	
24 9 1950	2.35	111.70		17 10 1961	1.89	64.75	
17 1 1951	1.85	61.90		30 11 1961	2.35	112.43	
23 3 1951	2.31	107.01		12 2 1962	2.22	97.33	
12 4 1951	2.08	82.60		2 4 1962	1.91	66.61	
4 11 1951	2.15	90.10		7 4 1962	2.19	94.00	
24 11 1951	2.34	111.33		23 8 1962	2.46	126.49	
1 1 1952	1.85	61.90		11 9 1962	2.01	75.49	
10 1 1952	2.28	104.19		15 12 1962	2.19	94.00	
10 2 1952	2.10	84.44		6 3 1963	1.92	67.14	
2 11 1952	2.28	103.84		26 9 1963	2.06	81.09	
				25 11 1963	2.37	115.01	
				17 11 1964	2.07	81.39	
				7 12 1964	1.85	61.90	

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WYE AT RHAYADER

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
9 12 1964	1.96	71.24		9 12 1966	2.74	164.95	
13 12 1964	3.38	279.82	8	31 12 1966	1.98	72.64	
17 1 1965	2.05	79.89		26 2 1967	2.28	104.19	
3 12 1965	1.93	68.49		1 10 1967	2.01	75.49	
9 12 1965	3.37	278.55		16 10 1967	1.88	64.49	
17 12 1965	2.48	128.46		5 1 1968	2.16	90.75	
18 12 1965	2.84	181.59		14 1 1968	3.18	240.34	
27 6 1966	2.25	100.72		13 5 1968	1.92	67.14	
29 11 1966	2.07	81.39		31 3 1969	1.82	59.13	
2 12 1966	1.88	64.23					

55007

WYE AT ERWOOD

GRID REF 90076445 AREA 1280. 8Q.KM WRA GRADE B
 PERIOD OF RECORD 2 11 1937 TO 6 10 1969 THRESHOLD 255.00 CUMECs
 SIGNIFICANT GAPS
 9 7 1938 TO 30 7 1938 9 10 1939 TO 15 10 1939 1 1 1940 TO 24 2 1940
 20 5 1940 TO 1 6 1940 21 7 1941 TO 2 8 1941

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
12 1 1938	109.49	307.07		3 2 1946	110.18	478.47	
15 1 1938	109.71	355.75		7 2 1946	109.66	344.97	
16 1 1938	109.34	274.81		8 2 1946	111.70	1024.00	2
9 10 1938	109.64	340.01		23 2 1946	110.56	592.95	2
13 11 1938	109.52	313.78		4 9 1946	109.60	329.51	
26 11 1938	110.06	444.79		20 9 1946	111.29	853.31	
9 12 1938	109.37	281.09		20 11 1946	109.36	277.94	
7 1 1939	109.40	287.47		22 11 1946	109.42	290.68	
14 1 1939	110.29	509.11		24 11 1946	110.01	432.53	
30 7 1939	110.45	559.47		27 11 1946	109.43	293.92	
16 11 1939	109.31	268.60		28 11 1946	109.56	320.56	
18 11 1939	109.66	344.97		14 1 1947	109.30	265.52	
23 11 1939	109.45	297.18		13 3 1947	109.34	274.81	
26 11 1939	110.90	705.54		16 3 1947	109.65	341.42	
30 11 1939	109.62	334.38		19 3 1947	110.91	710.92	
3 11 1940	110.88	700.17		21 3 1947	109.98	424.46	
4 11 1940	109.81	381.64		27 12 1947	109.52	313.78	
11 11 1940	110.15	469.92		2 1 1948	109.42	290.68	
21 11 1940	110.23	491.47		10 1 1948	110.23	491.47	
7 2 1941	109.78	374.14		13 1 1948	111.17	806.12	
2 3 1941	109.31	268.60		12 9 1948	110.12	461.46	
17 10 1941	109.60	330.90		13 12 1948	109.27	259.44	
23 1 1942	110.15	469.92		30 12 1948	110.47	564.18	
11 12 1942	109.62	334.38		6 4 1949	109.27	259.44	
31 1 1943	110.25	497.60		3 12 1949	109.56	320.56	
6 2 1943	109.30	265.52		10 2 1950	110.64	617.55	
9 2 1943	109.77	370.42		12 2 1950	109.56	322.61	
10 5 1943	109.46	300.46		24 9 1950	109.57	323.99	
14 9 1943	109.88	396.91		28 11 1950	109.39	284.27	
23 1 1944	110.50	573.68		6 1 1951	109.72	357.93	
24 1 1944	109.28	262.47		21 3 1951	109.27	259.44	
20 10 1944	110.74	652.96		23 3 1951	109.27	259.44	
19 11 1944	109.30	265.52		12 4 1951	109.33	271.69	
28 11 1944	110.06	444.79		4 11 1951	109.63	337.89	
17 12 1944	109.45	297.18		8 11 1951	109.49	307.07	
31 1 1945	109.52	313.78		24 11 1951	110.13	465.68	
2 2 1945	109.80	377.88		10 1 1952	109.54	317.16	
4 2 1945	109.86	393.06		10 2 1952	109.45	297.18	
13 2 1945	109.83	385.43		16 12 1952	109.60	330.90	
1 4 1945	109.83	385.43		20 12 1952	109.42	290.68	
26 10 1945	109.81	381.64		29 3 1953	109.57	323.99	
9 1 1946	109.34	274.81		22 9 1953	109.36	277.94	
11 1 1946	109.75	366.72		3 11 1953	109.33	271.69	
31 1 1946	109.50	309.08		6 3 1954	109.63	337.89	

55007

WYE AT ERWOOD

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 6 1954	109.39	284.27		4 11 1960	109.78	374.14	
				4 12 1960	112.10	1205.00	
24 10 1954	109.43	293.92		15 1 1962	109.57	323.99	
26 10 1954	109.28	262.47		12 2 1962	109.39	284.27	
5 11 1954	109.52	313.78		7 4 1962	109.27	259.44	
10 11 1954	109.52	313.78		11 9 1962	109.45	297.18	
23 11 1954	109.57	323.99					
27 11 1954	110.06	444.79		15 12 1962	109.48	303.75	
30 11 1954	109.27	259.44		6 3 1963	109.77	370.42	
2 12 1954	109.54	317.16		9 3 1963	109.30	265.52	
13 12 1954	109.81	381.64					
26 3 1955	110.70	637.65		19 11 1963	109.66	344.97	
8 6 1955	109.68	348.54		25 11 1963	109.72	359.38	
14 12 1955	109.30	265.52		9 12 1964	109.42	290.68	
21 1 1956	109.72	359.38		13 12 1964	111.51	939.64	
25 1 1956	110.21	487.11		30 12 1964	109.54	317.16	
3 3 1956	109.27	259.44		13 1 1965	109.42	290.68	
				16 1 1965	109.72	359.38	
5 1 1957	109.36	277.94		18 1 1965	109.33	271.69	
20 3 1957	109.33	271.69		23 1 1965	109.27	259.44	
13 9 1957	109.33	271.69		8 9 1965	109.30	265.52	
25 9 1957	110.64	617.55					
				3 12 1965	109.57	323.99	
5 11 1957	110.00	428.48		9 12 1965	111.86	1091.00	
10 1 1958	109.27	259.44		18 12 1965	110.85	689.52	
9 2 1958	110.09	453.08		8 2 1966	109.33	271.69	
11 2 1958	109.45	297.18		25 2 1966	109.94	412.52	
25 2 1958	109.27	259.44		8 5 1966	109.37	281.09	
23 9 1958	110.09	453.08					
				2 12 1966	110.01	432.53	
3 10 1958	109.57	323.99		10 12 1966	110.67	627.55	
14 10 1958	109.66	344.97		24 12 1966	109.33	271.69	
17 1 1959	109.39	284.27		22 2 1967	109.63	337.89	
19 1 1959	109.37	281.09		27 2 1967	110.39	540.84	
22 1 1959	109.36	277.94					
16 4 1959	109.57	323.99		1 10 1967	109.94	412.52	
				4 10 1967	109.37	281.09	
27 10 1959	109.45	297.18	2	16 10 1967	110.61	607.64	
25 11 1959	109.39	284.27		4 11 1967	109.27	259.44	
20 12 1959	109.30	265.52	2	5 1 1968	109.45	297.18	
21 1 1960	109.84	389.23		14 1 1968	111.34	871.41	
24 1 1960	110.18	478.47		16 1 1968	109.84	389.23	
29 1 1960	109.30	265.52		23 3 1968	110.17	474.19	
3 2 1960	109.45	297.18					
26 2 1960	110.09	453.08		18 1 1969	109.78	374.14	
				26 3 1969	109.45	297.18	
24 10 1960	109.75	366.72					

55008

WYE AT CEFN BRWYN

GRID REF SN829838 AREA 10.4 SQ. KM
 PERIOD OF RECORD 20 7 1951 TO 2 6 1971
 SIGNIFICANT GAPS
 3 4 1968 TO 31 7 1968

WRA THRESHOLD 8.20 GRADE A
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 11 1951	0.77	9.80		21 8 1953	0.71	8.23	
23 11 1951	0.86	12.71		29 8 1953	0.96	15.73	
5 12 1951	0.71	8.31		21 9 1953	0.74	9.04	
24 12 1951	0.81	11.21					
1 1 1952	0.71	8.31		1 11 1953	0.71	8.23	
10 1 1952	0.96	15.73	9	8 11 1953	0.81	11.21	
10 2 1952	0.82	11.48		13 11 1953	1.05	19.05	
				19 1 1954	0.83	11.76	
2 11 1952	0.93	15.52	9	6 3 1954	0.77	9.97	
4 11 1952	0.74	9.12	9	2 4 1954	0.75	9.29	
16 12 1952	0.85	12.23		16 7 1954	0.96	16.05	
30 1 1953	0.89	13.39		29 9 1954	0.85	12.14	
29 3 1953	0.82	11.48					
29 4 1953	0.91	14.08		14 10 1954	0.83	9.94	
12 7 1953	0.90	13.98		27 11 1954	0.78	8.65	9
19 7 1953	0.81	11.12		2 12 1954	0.96	13.47	
				22 12 1954	0.77	8.43	

55008

WYE AT CEFN BRWYN

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 1 1955	0.79	8.94		6 12 1964	0.89	10.14	
3 7 1955	0.96	13.30		12 12 1964	1.21	19.58	
26 1 1956	0.97	13.75		7 1 1965	0.85	9.26	
18 8 1956	0.81	9.40	9	16 1 1965	0.92	10.90	
6 9 1956	0.85	10.49		8 5 1965	0.97	12.32	
5 1 1957	0.91	11.99	9	24 8 1965	0.88	9.92	
16 3 1957	0.83	9.94		8 9 1965	0.85	9.61	
25 7 1957	0.86	10.58		8 12 1965	1.11	16.61	
5 8 1957	1.82	48.76	5	9 12 1965	0.83	8.91	
10 9 1957	0.87	10.98		17 12 1965	1.03	13.91	
28 10 1957	0.77	8.43		27 6 1966	1.17	18.11	
28 10 1957	0.82	9.55		14 9 1966	0.85	9.26	
31 10 1957	0.79	8.79		29 11 1966	0.85	9.26	
5 11 1957	0.85	10.33		27 2 1967	0.85	9.26	
7 12 1957	0.86	10.66		26 5 1967	0.83	8.84	
21 2 1958	0.78	8.65		1 10 1967	0.83	8.91	
23 9 1958	0.92	12.42		5 1 1968	0.82	8.56	
12 10 1958	0.84	10.18		13 1 1968	0.92	10.90	
21 10 1959	0.77	8.35		20 9 1968	0.74	8.98	
26 10 1959	1.11	18.30		2 10 1968	0.74	8.98	
21 1 1960	0.77	8.35		17 1 1969	0.76	9.60	
24 1 1960	0.80	9.02		20 1 1969	0.74	8.98	
3 4 1960	0.91	11.99		31 3 1969	0.87	13.35	
12 4 1960	0.78	8.72		11 4 1969	0.91	14.85	
3 12 1960	1.24	22.97		25 5 1969	0.77	9.92	
17 10 1961	0.81	9.40		12 8 1969	0.96	16.82	
30 11 1961	0.89	11.56		9 11 1969	0.82	11.58	
10 12 1961	0.83	9.94		11 11 1969	0.92	13.23	
12 2 1962	0.86	10.74		2 12 1969	0.86	12.99	
7 4 1962	0.81	9.24		20 12 1969	0.83	11.92	
11 8 1962	0.85	9.26		19 2 1970	0.81	11.24	
23 8 1962	1.15	17.63		21 2 1970	0.94	16.02	
11 9 1962	0.92	11.13		11 3 1970	0.75	8.67	
29 10 1962	0.83	8.77		5 4 1970	0.77	9.92	
11 12 1962	0.82	8.56		21 4 1970	0.89	14.09	
14 12 1962	0.90	10.59		22 4 1970	0.86	12.99	
25 9 1963	0.91	10.74		15 8 1970	0.83	11.92	
25 11 1963	0.95	11.76		27 10 1970	0.88	13.72	
31 1 1964	0.85	9.41		31 10 1970	0.75	9.29	
11 7 1964	0.96	11.92		1 11 1970	1.11	23.39	
13 11 1964	1.01	13.32		4 11 1970	0.88	13.72	
17 11 1964	0.88	9.99		6 11 1970	0.76	9.60	
				2 12 1970	0.79	10.57	
				3 12 1970	0.77	9.92	
				12 2 1971	0.95	16.42	

55009

MONNOW AT KENTCHURCH

GRID REF	PERIOD OF RECORD	AREA	WRA	GRADE			
90419251	1 10 1946 TO	357. 8Q.KM	THRESHOLD	C			
	1 10 1946 TO	6 10 1969	62.00	CUMEDS			
SIGNIFICANT GAPS	1 7 1948	8 10 1955 TO	1 12 1958	12 12 1958 TO			
	1 7 1948	8 10 1955 TO	1 12 1958	24 12 1958			
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
21 3 1947	3.52	189.72		20 11 1950	1.87	82.14	
11 12 1948	2.62	128.13		5 1 1951	1.70	72.57	
14 12 1948	2.83	142.18		4 2 1951	2.74	136.11	
30 12 1948	2.65	130.11		18 2 1951	2.28	106.84	
31 12 1948	2.10	95.66		13 3 1951	1.63	68.33	
6 4 1949	1.73	74.29		4 11 1951	2.56	124.19	
25 10 1949	2.01	90.19		5 11 1951	1.55	64.15	
17 11 1949	2.10	95.66		8 11 1951	3.10	160.77	
2 2 1950	1.61	67.48		10 11 1951	1.70	72.57	
12 2 1950	2.40	114.47		18 11 1951	2.08	94.74	
				26 12 1951	1.58	65.81	
				28 12 1951	2.01	90.19	

55009

MONNOW AT KENTCHURCH

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 5 1952	1.69	71.72		27 10 1960	1.66	70.02	
15 8 1952	2.25	104.95		10 11 1960	1.76	76.02	
16 12 1952	1.55	64.15		26 11 1960	1.63	68.33	
5 3 1954	1.67	70.87		3 12 1960	3.16	164.98	2
12 6 1954	1.52	62.49		10 1 1961	1.53	63.32	
23 11 1954	2.24	104.01		25 4 1961	1.79	77.75	
24 11 1954	2.16	99.35		15 1 1962	1.75	75.15	
26 11 1954	2.49	120.27		6 3 1963	2.74	136.31	2
27 11 1954	2.31	108.73		9 3 1963	2.12	96.76	2
29 11 1954	1.76	76.02		19 11 1963	1.68	71.21	
16 1 1955	1.88	83.02		19 3 1964	1.73	74.29	
26 3 1955	1.60	66.65		30 12 1964	1.68	71.38	
17 5 1955	1.88	83.02		29 11 1965	1.54	63.48	
3 6 1955	2.52	122.23		9 12 1965	2.05	92.91	
7 6 1955	1.73	74.29		25 1 1966	2.43	116.39	
14 12 1955		158.00		19 2 1966	1.53	63.15	
28 12 1956		112.00		25 2 1966	1.73	74.29	
9 2 1958		158.00		8 5 1966	1.61	67.48	
17 1 1959	1.69	71.72		19 10 1966	1.68	71.21	
19 1 1959	1.59	66.31		5 11 1966	2.24	104.58	
22 1 1959	2.28	106.84		20 2 1967	1.92	85.16	
7 3 1959	1.61	67.48		27 2 1967	2.24	104.58	
16 4 1959	1.75	75.15		9 3 1967	1.98	88.38	2 4
12 5 1959	2.29	107.60		16 10 1967	2.61	127.73	
28 11 1959	1.52	62.49	9	1 11 1967	1.71	72.92	
DATE UNCERTAIN AS CLOCK STOPPED				13 1 1968	2.88	145.85	
6 12 1959	1.88	83.02		2 7 1968	1.88	100.36	
8 12 1959	3.26	171.35		10 7 1968	2.74	156.68	
20 12 1959	1.53	63.32		28 10 1968	1.72	90.81	8
21 1 1960	1.70	72.57	2	FLOAT MECHANISM JAMMED			
24 1 1960	3.56	192.57		2 11 1968	1.88	100.92	8
26 2 1960	1.79	77.41		21 12 1968	1.75	92.63	
3 4 1960	2.10	95.66		17 1 1969	2.57	144.91	
2 10 1960	2.13	97.50		24 2 1969	2.12	115.70	
24 10 1960	3.04	156.59		13 3 1969	1.68	88.64	
RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM				25 5 1969	2.46	137.81	
1947-1948							

55010

WYE AT PANT MAWR

GRID REF	SN843825	AREA	27.2 SQ. KM	WRA	GRADE B		
PERIOD OF RECORD	26 8 1952 TO	6 10 1969		THRESHOLD	25.00 CUMECs		
SIGNIFICANT GAPS	23 8 1954 TO 4 10 1954	30 7 1956 TO 16 8 1956		20 8 1956 TO 10 1 1957			
	21 10 1957 TO 10 3 1958						
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
2 11 1952	1.41	42.08		27 11 1954	1.24	30.46	
16 12 1952	1.23	29.50		2 12 1954	1.52	50.57	
30 1 1953	1.21	28.56		22 12 1954	1.17	26.20	
29 3 1953	1.24	30.46		7 4 1955	1.19	26.92	
29 4 1953	1.37	38.71		3 7 1955	1.19	26.92	
12 7 1953	1.21	28.56		14 12 1955	1.21	28.56	
28 8 1953	1.31	35.07	4 5	25 1 1956	1.52	50.57	
				CLOCK STOPPED			
8 11 1953	1.18	26.74		16 3 1957	1.28	32.42	
13 11 1953	1.49	48.06		25 7 1957	1.27	31.82	2
20 1 1954	1.26	31.43		5 8 1957	2.25	132.63	
6 3 1954	1.24	30.46		10 9 1957	1.28	32.42	
16 7 1954	1.49	48.06	5	12 9 1957	1.17	25.85	
14 10 1954	1.29	33.43		13 7 1958	1.43	43.24	
22 10 1954	1.16	25.32	2	VALUE FROM W.R.B. YEARBOOK			

55010

WYE AT PANT MAWR

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
23 9 1958	1.50	49.30		17 11 1964	1.17	26.20	
13 10 1958	1.30	34.04		6 12 1964	1.18	26.74	
17 1 1959	1.16	25.15		8 12 1964	1.20	27.64	
21 10 1959	1.24	30.46		12 12 1964	1.70	67.12	
26 10 1959	1.69	65.64	1	16 1 1965	1.24	30.07	
3 4 1960	1.24	30.07		9 12 1965	1.67	64.18	
2 9 1960	1.17	25.85		9 12 1965	1.17	25.67	2
3 12 1960	1.61	58.52		16 12 1965	1.54	52.63	
3 12 1960	1.46	45.61		27 6 1966	1.75	71.66	
23 8 1961	1.23	29.50		29 11 1966	1.50	49.30	
17 10 1961	1.28	32.82		14 9 1966	1.37	38.71	
30 11 1961	1.35	37.62		7 12 1966	1.20	27.64	
10 12 1961	1.28	32.42		9 12 1966	1.44	44.42	
12 2 1962	1.42	42.31		23 12 1966	1.26	31.43	2
6 4 1962	1.32	35.49		27 2 1967	1.49	48.06	
11 8 1962	1.21	28.19		30 9 1967	1.43	43.24	2
23 8 1962	1.66	63.31		3 10 1967	1.28	32.42	
11 9 1962	1.31	34.45		5 1 1968	1.38	39.82	
14 12 1962	1.40	40.94		13 1 1968	1.55	53.15	2
14 4 1963	1.25	30.65		18 1 1968	1.23	29.31	2
25 9 1963	1.31	35.07		12 5 1968	1.37	38.71	
25 11 1963	1.46	45.61		26 6 1968	1.16	25.32	
31 1 1964	1.23	29.31		2 10 1968	1.39	40.49	
11 7 1964	1.23	29.50		31 3 1969	1.27	32.02	
13 11 1964	1.34	36.54		11 4 1969	1.24	30.46	
				12 8 1969	1.21	28.56	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1953-1954 1955-1956 1958-1959

55015

HONDDU AT TAFOLOG

GRID REF	PERIOD OF RECORD	AREA	AREA	WRA	GRADE	C	
50277294	29 3 1953 TO	24.6 SQ. KM	6 10 1969	THRESHOLD	9.60	CUMECs	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 10 1953	0.94	10.40		12 9 1959	1.06	13.52	
9 6 1954	0.99	11.60		6 12 1959	1.05	13.15	
12 6 1954	1.15	15.86		8 12 1959	1.28	19.29	
1 8 1954	0.97	11.19		24 1 1960	1.29	19.75	
23 10 1954	0.94	10.40		27 2 1960	1.03	12.79	
22 11 1954	1.38	22.59		3 4 1960	1.17	16.27	
24 11 1954	1.00	12.08		30 9 1960	1.03	12.79	
25 11 1954	1.03	12.79		1 10 1960	1.21	17.53	
27 11 1954	1.21	17.53		2 10 1960	1.08	13.97	
12 12 1954	0.99	11.60		24 10 1960	2.14	54.56	
9 1 1955	0.96	10.79		27 10 1960	0.88	14.98	
2 6 1955	1.09	14.28		10 11 1960	0.73	9.72	
7 6 1955	0.94	10.40		26 11 1960	0.73	9.72	
9 11 1955	0.99	11.60		3 12 1960	0.95	18.05	
14 12 1955	1.44	24.61		10 10 1961	0.76	10.65	
1 9 1956	1.02	12.43		15 1 1962	0.74	10.18	
27 12 1956	1.03	12.79		29 9 1962	0.82	12.70	
25 9 1957	1.11	14.67		9 3 1963	0.76	10.65	
9 2 1958	1.19	16.85		18 11 1963	0.71	9.36	
11 2 1958	0.94	10.40		12 12 1964	0.73	9.72	
2 6 1958	0.91	9.64		30 12 1964	0.94	17.51	
23 9 1958	1.28	19.29		23 1 1965	0.80	12.16	
3 10 1958	1.60	30.05		8 9 1965	0.73	9.72	
18 12 1958	0.93	10.09		1 10 1965	0.79	11.65	
17 1 1959	0.97	11.19		12 12 1965	0.86	14.38	
18 1 1959	0.93	10.09		25 1 1966	0.79	11.65	
21 1 1959	0.96	10.87					

55015

HONDDU AT TAFOLOG

DATE	LEVEL	DISCHARGE	NOTE
2 3 1966	0.88	14.98	
9 4 1966	0.88	14.98	
21 4 1966	0.80	12.16	
8 5 1966	0.79	11.65	
19 10 1966	0.94	17.51	
5 11 1966	1.00	20.31	
22 1 1967	0.74	10.27	2
20 2 1967	0.85	13.81	
27 2 1967	0.76	10.65	
16 10 1967	1.15	28.52	

DATE	LEVEL	DISCHARGE	NOTE
23 12 1967	0.77	11.14	
13 1 1968	0.96	18.18	
13 2 1968	0.76	10.65	
24 3 1968	0.77	11.14	
2 7 1968	0.92	16.85	
10 7 1968	0.86	14.38	
28 10 1968	0.82	12.70	
1 11 1968	0.74	10.18	
20 12 1968	0.86	14.38	
17 1 1969	1.03	21.50	
26 5 1969	0.97	18.87	

55808

CLAERWEN AT DOL Y MYNACH

GRID REF SN910620 AREA 93.3 SQ.KM
 PERIOD OF RECORD 1 10 1926 TO 1 10 1948

BCC
 ANNUAL MAXIMA

GRADE B

DATE	LEVEL	DISCHARGE	NOTE
1 1 1927		66.17	
ANNUAL MAXIMA FROM CALENDAR YEARS			
1 1 1928		70.09	
1 1 1929		124.51	
1 1 1930		95.34	
1 1 1931		100.77	
1 1 1932		81.58	
1 1 1933		75.52	
1 1 1934		55.06	
1 1 1935		76.78	
1 1 1936		114.54	

DATE	LEVEL	DISCHARGE	NOTE
1 1 1937		92.82	
1 1 1938		68.82	
1 1 1939		117.19	
1 1 1940		89.03	
1 1 1941		101.02	
1 1 1942		94.46	
1 1 1943		94.46	
1 1 1944		88.40	
1 1 1945		64.78	
1 1 1946		142.19	
1 1 1947		60.11	

56001

USK AT CHAIN BRIDGE

GRID REF S0345056 AREA 912. SQ.KM
 PERIOD OF RECORD 12 2 1957 TO 3 10 1969

URA
 THRESHOLD 198.00 CUMEC'S

GRADE B

DATE	LEVEL	DISCHARGE	NOTE
20 3 1957	3.01	222.65	
25 9 1957	3.29	260.65	
10 1 1958	2.97	217.43	
9 2 1958	3.73	325.84	9
11 2 1958	4.06	379.69	
23 9 1958	3.63	310.36	
3 10 1958	3.77	332.02	
19 1 1959	3.32	265.42	
22 1 1959	3.81	337.77	
24 11 1959	3.65	314.09	
8 12 1959	3.66	315.02	
20 12 1959	3.80	336.81	
24 1 1960	4.24	408.94	
3 2 1960	3.54	297.03	
27 2 1960	3.80	336.81	
3 4 1960	2.83	198.98	
25 10 1960	3.33	265.85	
4 11 1960	3.58	302.52	
10 11 1960	3.01	222.65	
26 11 1960	3.38	273.73	
4 12 1960	5.53	654.97	2
29 1 1961	3.21	249.54	
16 1 1962	3.90	352.33	
21 1 1962	2.95	214.64	
3 4 1962	3.06	228.74	
11 9 1962	3.01	222.65	
30 9 1962	3.15	240.71	
6 3 1963	3.10	234.90	
9 3 1963	3.92	355.77	

DATE	LEVEL	DISCHARGE	NOTE
16 3 1963	2.97	216.63	
17 11 1963	2.95	214.64	
19 11 1963	3.81	337.77	
25 11 1963	3.09	232.84	
9 12 1964	3.09	232.84	
13 12 1964	4.60	472.37	2
30 12 1964	3.53	295.66	
11 1 1965	2.83	198.98	
13 1 1965	3.87	347.94	
24 1 1965	3.06	228.74	
9 12 1965	4.33	424.70	
18 12 1965	5.09	564.42	
25 2 1966	4.21	404.26	
8 5 1966	2.96	215.43	
19 10 1966	3.13	239.04	
2 12 1966	2.99	220.23	
10 12 1966	3.26	256.78	
31 12 1966	3.04	226.70	
20 2 1967	3.22	250.39	
22 2 1967	3.51	292.03	
27 2 1967	4.84	518.11	
PRESSURE CHARTS FROM HERE			
2 10 1967	3.20	247.42	
17 10 1967	5.45	637.91	
1 11 1967	2.89	206.75	
23 12 1967	2.89	206.75	
14 1 1968	3.35	268.90	
16 1 1968	3.62	309.44	
END OF PRESSURE CHARTS			
24 3 1968	4.23	408.42	

56001 USK AT CHAIN BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
2 7 1968	2.95	214.64		21 12 1968	2.88	204.79	
28 10 1968	3.16	243.22		17 1 1969	3.69	319.71	
				12 8 1969	3.04	226.70	

56002 EBBW AT RHIWDERYN

GRID REF ST258888 AREA 217. SQ.KM URA THRESHOLD 38.00 GRADE B CUMECS
 PERIOD OF RECORD 24 4 1957 TO 3 10 1969
 SIGNIFICANT GAPS 26 2 1969 TO 11 3 1969

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 11 1957	1.70	46.50		30 12 1964	2.51	102.02	
10 1 1958	1.72	47.63		13 1 1965	1.95	75.65	2
9 2 1958	2.17	89.14		16 1 1965	1.61	44.64	
13 2 1958	1.64	42.16		23 1 1965	1.63	46.79	
23 9 1958	2.17	89.14		28 11 1965	1.61	44.88	2
3 10 1958	2.45	123.61		9 12 1965	2.06	88.96	
19 1 1959	1.65	42.59		18 12 1965	2.28	116.61	
22 1 1959	2.14	86.14		22 12 1965	1.63	46.79	
16 4 1959	1.75	49.94		31 12 1965	1.85	66.29	
25 11 1959	1.98	69.48		25 1 1966	1.55	40.29	
8 12 1959	2.22	95.33		19 2 1966	1.58	42.55	
20 12 1959	1.94	66.08		25 2 1966	2.05	87.53	
23 12 1959	1.68	45.17		2 3 1966	1.78	59.62	
26 12 1959	1.60	39.69		19 10 1966	1.80	61.32	
24 1 1960	2.10	81.28		1 12 1966	1.62	45.59	
2 2 1960	1.61	40.09		22 1 1967	1.55	40.29	
26 2 1960	1.65	42.80		20 2 1967	1.92	72.45	
2 10 1960	1.84	57.27		22 2 1967	1.77	57.94	
24 10 1960	1.73	48.31		27 2 1967	2.25	112.44	
27 10 1960	1.67	44.52		1 10 1967	1.66	48.51	
26 11 1960	1.80	54.26		10 10 1967	1.61	44.88	
3 12 1960	2.40	117.10		14 10 1967	1.82	63.34	
10 10 1961	1.79	44.39		16 10 1967	2.74	190.62	
15 1 1962	2.00	58.56		27 10 1967	1.57	41.86	
29 9 1962	1.98	57.03		13 1 1968	1.66	48.51	
9 3 1963	2.07	63.54		16 1 1968	1.83	63.92	
17 3 1963	1.70	38.71		23 3 1968	1.93	74.04	
17 11 1963	2.08	64.47		2 7 1968	1.76	57.67	
19 11 1963	2.40	91.82		10 7 1968	1.79	60.46	
13 12 1964	2.43	94.67		28 10 1968	1.87	67.80	
				21 12 1968	1.67	49.51	
				7 1 1969	1.67	49.76	
				17 1 1969	1.72	53.63	
				11 8 1969	1.58	40.78	

56003 HONDDU AT THE FORGE BRECON

GRID REF 80051297 AREA 62.2 SQ.KM URA THRESHOLD 11.00 GRADE A2 CUMECS
 PERIOD OF RECORD 1 10 1963 TO 8 10 1969
 SIGNIFICANT GAPS 11 7 1966 TO 12 8 1966 16 9 1966 TO 23 9 1966 21 11 1967 TO 27 11 1967
 28 3 1969 TO 3 4 1969

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 11 1963	0.85	13.87		8 5 1966	1.00	19.77	
19 11 1963	1.12	25.15		19 10 1966	0.89	15.52	
9 12 1964	0.84	13.76		1 12 1966	0.93	16.91	
12 12 1964	1.19	28.97		9 12 1966	0.95	17.88	
30 12 1964	0.84	13.55		30 12 1966	0.85	14.08	
23 1 1965	0.85	14.19		20 2 1967	0.87	14.85	
9 12 1965	1.30	34.98		22 2 1967	0.81	12.51	
16 12 1965	0.97	18.50		27 2 1967	1.10	24.57	
18 12 1965	1.27	32.91		10 10 1967	0.80	12.31	
25 2 1966	0.96	18.13		16 10 1967	1.40	40.65	

56003

HONDDU AT THE FORGE BRECON

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
2 11 1967	0.82	12.92		28 10 1968	0.81	12.51	
23 12 1967	0.96	18.37		1 11 1968	0.80	12.21	
13 1 1968	0.96	18.13		17 1 1969	0.87	14.85	
16 1 1968	0.78	11.82		12 8 1969	1.18	28.50	
23 3 1968	0.88	15.07					
2 7 1968	0.87	14.85					

56004

USK AT LLANDETTY

GRID REF S0127203 AREA 543.9 SQ.KM
 PERIOD OF RECORD 5 11 1965 TO 1 10 1969

URA THRESHOLD 179.00 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
9 12 1965	3.96	381.08		1 10 1967	2.94	213.57	
18 12 1965	4.34	454.58		3 10 1967	2.86	202.76	
25 2 1966	3.85	361.66		16 10 1967	4.82	554.54	
19 10 1966	2.69	179.83		23 12 1967	2.72	183.91	
1 12 1966	2.75	187.61		13 1 1968	2.89	207.05	
9 12 1966	2.98	220.17	4	16 1 1968	3.29	266.38	
31 12 1966	2.75	188.03	1	23 3 1968	3.70	334.67	
20 2 1967	2.72	183.91	1	28 10 1968	2.86	202.76	
24 2 1967	3.14	243.72		17 1 1969	3.21	254.47	
27 2 1967	4.28	442.54		12 8 1969	2.91	209.21	

56006

USK AT TRALLONG

GRID REF SN947295 AREA 184. SQ.KM
 PERIOD OF RECORD 1 10 1963 TO 7 10 1969

URA THRESHOLD 72.00 GRADE A2
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 11 1963	1.90	92.80		12 12 1966	1.94	97.04	
19 11 1963	1.95	97.70		30 12 1966	1.86	88.98	
7 12 1964	1.82	84.94		20 2 1967	1.74	76.58	
8 12 1964	2.25	133.76		22 2 1967	2.10	115.70	
12 12 1964	2.67	193.50		27 2 1967	3.02	251.75	
30 12 1964	1.70	73.13		1 10 1967	1.99	102.72	
13 1 1965	2.67	193.50		3 10 1967	1.79	81.60	
9 12 1965	2.39	152.79		16 10 1967	3.06	258.91	
17 12 1965	1.91	94.09		22 12 1967	1.69	72.00	
18 12 1965	2.86	224.17	2	16 1 1968	2.19	126.06	
25 2 1966	2.72	201.67		23 3 1968	2.34	145.75	
4 9 1966	1.96	99.36		26 6 1968	1.72	74.56	
19 10 1966	1.81	83.42	2	2 7 1968	1.74	77.16	
1 12 1966	2.10	114.62		28 10 1968	1.76	78.92	
9 12 1966	2.01	104.43		21 12 1968	1.84	86.49	
				17 1 1969	2.10	115.70	

57003

TAFF AT TONGWYNLAIS

GRID REF ST132818 AREA 486.9 SQ.KM
 PERIOD OF RECORD 1 10 1960 TO 13 1 1971

GRA THRESHOLD 159.90 GRADE B
 CUMECS

SIGNIFICANT GAPS
 1 10 1960 TO 2 12 1960 27 9 1962 TO 29 10 1962

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
3 12 1960	5.25	682.67		17 11 1963	2.89	268.94	
29 1 1961	2.65	210.12		19 11 1963	3.06	297.02	
10 10 1961	2.41	177.44		6 12 1964	2.24	174.51	
23 10 1961	2.34	167.65	8	7 12 1964	2.14	161.18	
10 12 1961	2.36	170.08		8 12 1964	2.23	172.88	
15 1 1962	2.36	170.89		12 12 1964	3.84	431.95	
11 9 1962	2.46	184.07		29 12 1964	3.16	312.41	
9 3 1963	2.63	229.13		12 1 1965	2.84	262.31	
				16 1 1965	2.13	159.99	

57003

TAPP AT TONGWYNLAIS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
8 12 1965	3.33	385.22		16 10 1967	3.63	439.26	
18 12 1965	3.85	481.08		22 12 1967	2.35	226.43	
29 12 1965	2.03	181.10		13 1 1968	2.21	205.71	
31 12 1965	2.07	186.10		15 1 1968	2.41	235.45	
25 2 1966	2.41	235.45		23 3 1968	2.35	226.88	
2 3 1966	1.98	173.69					
19 10 1966	2.07	186.10		27 10 1968	2.24	210.93	
30 12 1966	2.53	253.86		16 1 1969	1.93	167.19	
20 2 1967	2.19	203.11		10 11 1969	1.97	173.28	
27 2 1967	3.40	397.14		15 1 1970	2.49	246.44	
1 10 1967	2.24	210.06		1 11 1970	2.51	249.68	
10 10 1967	2.11	192.00		6 1 1971	2.57	259.95	

57004

CYNON AT ABERCYNON

GRID REF ST079956 AREA 109. SQ.KM
 PERIOD OF RECORD 26 12 1960 TO 27 1 1971
 SIGNIFICANT GAPS
 5 3 1962 TO 4 4 1962

GRA THRESHOLD 38.00 GRADE A
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 1 1961	1.53	38.46		18 12 1965	2.40	145.84	
2 1 1961	1.59	41.97		29 12 1965	1.27	41.16	
27 1 1961	2.11	79.87		31 12 1965	1.32	44.75	
26 2 1961	1.72	50.11		1 1 1966	1.23	38.85	
10 10 1961	1.84	58.44		25 2 1966	1.58	63.72	
24 10 1961	1.82	57.36		31 12 1966	1.32	43.94	
25 10 1961	1.52	38.12		27 2 1967	1.78	76.06	
2 11 1961	1.55	39.84		1 10 1967	1.28	41.17	
1 12 1961	1.72	50.11		16 10 1967	1.98	92.45	2
5 12 1961	1.63	44.34		22 12 1967	1.22	38.14	
10 12 1961	1.78	54.18		23 12 1967	1.22	38.14	
11 12 1961	1.53	38.80		16 1 1968	1.28	41.17	
13 12 1961	1.72	50.11		23 3 1968	1.41	49.72	
10 1 1962	1.80	55.65		11 10 1968	1.24	38.81	2
11 1 1962	1.63	44.34		28 10 1968	1.32	43.58	2
15 1 1962	1.95	66.32		17 12 1968	1.25	39.40	2
7 4 1962	1.63	44.34		17 1 1969	1.31	42.97	
29 9 1962	1.79	55.23		11 8 1969	1.24	38.81	
9 3 1963	1.80	55.65		11 11 1969	1.37	46.69	
17 11 1963	1.63	44.53		14 12 1969	1.29	41.76	
19 11 1963	1.92	64.01		15 1 1970	1.52	56.59	
13 12 1964	2.20	87.88		21 1 1970	1.25	39.40	
30 12 1964	1.73	51.11		1 2 1970	1.23	38.24	
13 1 1965	1.69	48.14		22 4 1970	1.24	38.81	
29 11 1965	1.26	40.96		1 11 1970	1.35	45.43	
9 12 1965	1.87	88.83		7 1 1971	1.47	53.19	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1961-1962

58001

OGMORE AT BRIDGEND

GRID REF SS904794 AREA 158. SQ.KM
 PERIOD OF RECORD 1 10 1960 TO 31 1 1971
 SIGNIFICANT GAPS
 1 10 1960 TO 2 12 1960 4 12 1960 TO 28 12 1960
 1 8 1961 TO 9 10 1961

GRA THRESHOLD 56.00 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
3 12 1960	3.01	175.63	8	10 12 1961	1.89	70.77	
27 1 1961	1.77	62.01		11 12 1961	1.76	61.59	
2 2 1961	1.76	61.38		12 12 1961	2.07	84.41	
10 10 1961	1.95	75.35		11 9 1962	2.40	113.28	
1 12 1961	1.71	57.83		20 12 1962	1.63	52.41	

58001

OGMORE AT BRIDGEND

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 11 1963	2.07	84.41		10 10 1967	2.16	91.89	
17 11 1963	2.54	126.21		16 10 1967	2.45	117.52	
18 11 1963	2.65	136.71		30 10 1967	1.85	68.09	
				18 12 1967	1.84	66.98	
13 11 1964	1.77	62.22		22 12 1967	2.07	84.41	
12 12 1964	2.27	101.00		8 1 1968	1.73	59.49	
29 12 1964	1.84	66.98		26 6 1968	2.39	111.88	
15 1 1965	1.79	63.72		2 7 1968	1.82	65.89	
28 11 1965	1.80	64.37		28 10 1968	1.98	77.21	
9 12 1965	2.25	99.67		21 1 1969	1.70	57.42	
16 12 1965	2.52	124.74					
17 12 1965	2.78	150.78		17 1 1970	1.70	57.42	
22 12 1965	1.85	68.09		21 1 1970	1.92	72.58	
29 12 1965	1.95	74.88		1 2 1970	1.70	57.42	
31 12 1965	1.82	65.89		2 2 1970	1.94	74.19	
2 3 1966	1.78	62.65		21 2 1970	1.88	70.32	
21 4 1966	1.73	59.49		22 2 1970	1.93	73.73	
19 10 1966	2.28	102.33		11 10 1970	1.90	71.08	
29 12 1966	1.75	60.74		31 10 1970	2.03	81.02	
30 12 1966	2.48	120.39		1 11 1970	2.73	144.66	
20 2 1967	1.87	69.20		6 11 1970	1.90	71.08	
27 2 1967	2.22	97.05		16 11 1970	1.80	63.84	
29 7 1967	2.37	110.50		17 11 1970	1.75	60.36	
31 7 1967	1.76	61.59		23 11 1970	1.75	60.36	
				7 1 1971	1.95	74.83	
1 10 1967	1.93	73.73		23 1 1971	2.02	80.23	
3 10 1967	1.81	64.80		26 1 1971	1.78	62.44	

58002

NEATH AT RESOLVEN

GRID REF	SN815017	AREA	190.9 SQ.KM	GRA	GRADE B		
PERIOD OF RECORD	1 10 1960 TO	27 1 1971		THRESHOLD	96.00 CUMECs		
SIGNIFICANT GAPS							
1 10 1960 TO	1 12 1960	6 12 1960 TO	29 12 1960	22 2 1961 TO	24 3 1961		
16 3 1962 TO	31 3 1962	1 6 1967 TO	27 7 1967				
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
3 12 1960	3.07	260.00		29 11 1966	1.98	107.43	
27 1 1961	1.89	97.95		1 12 1966	2.37	154.73	
29 1 1961	2.17	129.23		9 12 1966	2.15	127.72	
				29 12 1966	2.59	184.35	
26 10 1961	1.93	101.96		20 2 1967	2.13	124.71	
1 12 1961	1.95	104.67		27 2 1967	3.04	255.70	
10 12 1961	2.13	124.71		4 9 1967	2.14	126.51	
10 1 1962	1.93	101.96					
15 1 1962	1.98	107.43		1 10 1967	2.69	199.95	
3 4 1962	2.01	111.63		3 10 1967	2.62	188.74	
7 4 1962	2.15	127.72		10 10 1967	2.57	182.17	
10 8 1962	1.91	100.61		14 10 1967	1.90	99.27	
23 8 1962	2.03	113.05		16 10 1967	3.35	309.78	
11 9 1962	2.54	177.15		27 10 1967	1.92	100.88	
				22 12 1967	2.60	186.54	
13 3 1963	1.82	91.44		14 1 1968	2.30	145.22	
				22 1 1968	2.59	184.35	
19 11 1963	2.47	168.34		23 3 1968	2.49	171.49	
				13 5 1968	2.16	128.32	
13 11 1964	2.12	123.22		26 6 1968	2.34	151.09	
9 12 1964	2.03	113.05					
13 12 1964	2.95	240.91		11 10 1968	1.92	100.88	
30 12 1964	2.33	149.77		28 10 1968	2.40	159.09	
				26 11 1968	1.91	99.91	
9 12 1965	2.74	206.83		21 12 1968	1.92	100.88	
17 12 1965	2.33	149.77		17 1 1969	2.03	113.50	
18 12 1965	3.14	273.14					
29 12 1965	1.95	104.67		11 11 1969	2.46	166.89	
25 2 1966	2.33	149.77		23 4 1970	1.92	100.88	
2 3 1966	1.94	103.31					
4 9 1966	2.36	153.07		1 11 1970	2.35	151.48	
14 9 1966	1.89	97.95		7 1 1971	2.27	141.28	

58003

EWENNY AT EWENNY PRIORY

GRID REF SS914780 AREA 62.9 SQ.KM
 PERIOD OF RECORD 28 12 1960 TO 20 3 1970
 SIGNIFICANT GAPS
 28 3 1961 TO 10 4 1961

GRA THRESHOLD 13.30 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 10 1961	1.61	20.96		27 6 1966	1.46	17.26	
11 12 1961	1.30	13.71		19 10 1966	1.54	19.15	2
13 12 1961	1.34	14.50		29 12 1966	1.29	13.58	
19 1 1962	1.31	13.97		31 12 1966	1.40	15.85	
4 2 1962	1.43	16.55		20 2 1967	1.53	19.07	
20 12 1962	1.41	16.13		27 2 1967	1.43	16.55	
25 9 1963	1.37	15.17		29 7 1967	1.30	13.71	
17 11 1963	1.40	15.85		1 10 1967	1.34	14.50	
18 11 1963	1.43	16.55		16 10 1967	1.57	20.05	
19 11 1963	1.46	17.40		28 10 1967	1.47	17.61	
13 12 1964	1.34	14.50		30 10 1967	1.34	14.50	
29 12 1964	1.29	13.45		2 11 1967	1.34	14.50	
29 12 1964	1.40	15.85		18 12 1967	1.52	18.70	
16 1 1965	1.50	18.34		22 12 1967	1.52	18.70	
17 6 1965	1.31	13.84		8 1 1968	1.53	19.07	
24 7 1965	1.43	16.55		13 1 1968	1.37	15.17	
29 11 1965	1.47	17.61		26 6 1968	1.41	16.20	
1 12 1965	1.49	17.97		2 7 1968	1.43	16.55	
9 12 1965	1.57	20.05		10 7 1968	1.53	19.07	
17 12 1965	1.60	20.58		28 10 1968	1.58	20.20	
22 12 1965	1.56	19.82	9	26 11 1968	1.33	14.37	
29 12 1965	1.67	22.52	9	24 12 1968	1.34	14.50	
2 3 1966	1.47	17.61		13 3 1969	1.35	14.90	
21 4 1966	1.49	17.97		11 8 1969	1.30	13.71	
				2 2 1970	1.49	17.97	

58004

AVAN AT CUMAVON

GRID REF SS781919 AREA 85.7 SQ.KM
 PERIOD OF RECORD 8 12 1961 TO 27 1 1971
 SIGNIFICANT GAPS
 16 12 1961 TO 4 1 1962 13 1 1962 TO 12 4 1962
 12 8 1969 TO 18 8 1969 21 6 1968 TO 30 6 1968

GRA THRESHOLD 27.00 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 12 1961	1.56	42.98		19 10 1966	1.44	33.21	
11 12 1961	1.52	39.11		29 12 1966	1.70	56.15	
13 12 1961	1.66	51.49		30 12 1966	1.79	66.32	
23 8 1962	1.37	27.95		27 2 1967	1.69	54.56	
11 9 1962	2.08	106.77		29 7 1967	1.61	47.10	
13 3 1963	1.49	36.67	9	31 7 1967	1.61	47.10	
17 11 1963	1.60	45.70		1 10 1967	1.78	64.54	
18 11 1963	1.90	79.70		3 10 1967	1.85	73.76	
21 11 1963	1.46	34.34		10 10 1967	1.85	73.76	
14 7 1964	1.43	32.11		16 10 1967	2.24	133.68	
6 12 1964	1.52	39.11		30 10 1967	1.49	36.67	
7 12 1964	1.49	36.67		1 11 1967	1.49	36.67	
12 12 1964	2.08	106.77		22 12 1967	1.67	53.01	
30 12 1964	2.05	101.88		14 1 1968	1.46	34.34	
13 1 1965	1.58	44.33		16 1 1968	1.72	57.76	
25 6 1965	1.40	29.98		26 6 1968	1.46	34.34	
11 7 1965	1.41	31.03		TRACE INTERMITTENT			
9 12 1965	1.92	81.75		2 7 1968	1.58	44.33	
16 12 1965	1.85	73.76		11 10 1968	1.47	35.49	
17 12 1965	2.36	158.30		28 10 1968	1.82	69.97	
22 12 1965	1.56	42.98		30 10 1968	1.81	68.13	
29 12 1965	1.67	53.01		21 12 1968	1.66	51.49	
31 12 1965	1.47	35.49		17 1 1969	1.38	28.95	
25 2 1966	1.38	28.95		20 1 1969	1.44	33.21	
2 3 1966	1.53	40.37		9 11 1969	1.37	27.95	
				11 11 1969	2.16	119.71	
				21 12 1969	1.50	37.88	

58004

AVAN AT CWMAYON

DATE	LEVEL	DISCHARGE	NOTE
15 1 1970	1.50	37.88	
17 1 1970	1.47	35.49	
21 1 1970	1.90	79.70	
23 1 1970	1.43	32.11	
2 2 1970	1.76	62.80	
3 2 1970	1.70	56.15	
22 2 1970	1.67	53.01	
22 4 1970	1.46	34.34	
15 8 1970	1.64	50.00	
8 9 1970	1.44	33.21	
31 10 1970	1.73	59.41	

DATE	LEVEL	DISCHARGE	NOTE
2 11 1970	2.22	130.80	
3 11 1970	1.46	34.34	
4 11 1970	1.40	29.98	
6 11 1970	1.46	34.34	
16 11 1970	1.69	54.56	
17 11 1970	1.52	39.11	
23 11 1970	1.43	32.11	
4 12 1970	1.43	32.11	
7 1 1971	1.70	56.15	
23 1 1971	1.55	41.66	
25 1 1971	1.44	33.21	

59001

TAWE AT YNYS TANGLWS

GRID REF SS685998 AREA 228. SQ.KM
 PERIOD OF RECORD 18 10 1956 TO 6 10 1969

SWWRA THRESHOLD 122.00 GRADE C
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE
7 2 1957	2.71	134.85	
19 3 1957	2.65	128.24	
6 9 1957	3.08	179.51	
10 9 1957	2.92	159.41	
25 9 1957	2.88	155.04	
29 10 1957	2.95	163.10	
9 2 1958	2.88	154.68	
19 9 1958	2.61	124.36	
23 9 1958	3.53	242.18	
30 9 1958	2.72	136.53	
3 10 1958	2.77	141.64	
17 1 1959	2.90	156.85	
16 4 1959	2.62	125.01	
26 10 1959	2.92	159.04	
25 11 1959	3.13	186.23	
20 12 1959	2.74	138.22	
2 2 1960	2.68	131.52	
26 2 1960	2.73	137.20	
2 9 1960	2.87	153.24	
3 11 1960	2.61	124.69	
3 12 1960	3.47	233.05	
25 12 1960	2.98	166.84	
27 1 1961	2.95	162.36	
29 1 1961	2.65	128.24	
12 4 1961	2.86	151.80	
9 10 1961	2.76	140.95	
15 1 1962	2.62	125.01	
11 9 1962	3.36	217.53	
29 9 1962	3.02	171.77	
9 3 1963	2.71	134.85	
17 11 1963	2.74	138.22	
19 11 1963	2.92	159.41	

DATE	LEVEL	DISCHARGE	NOTE
13 11 1964	2.95	162.73	
6 12 1964	2.86	152.16	
8 12 1964	2.64	127.59	
13 12 1964	3.38	219.71	
30 12 1964	2.66	129.88	
13 1 1965	3.10	182.26	
25 6 1965	2.67	131.19	
8 9 1965	2.61	124.69	
9 12 1965	3.21	196.37	
18 12 1965	3.47	233.05	
29 12 1965	2.92	159.41	
25 2 1966	2.72	135.85	
4 9 1966	3.01	170.63	
19 10 1966	2.98	166.09	
1 12 1966	2.77	141.64	
28 12 1966	2.60	123.73	
30 12 1966	3.13	186.23	
27 2 1967	3.59	251.51	
30 7 1967	2.62	125.01	
4 9 1967	2.78	142.67	
30 9 1967	2.78	143.36	
1 10 1967	3.38	219.71	
3 10 1967	3.27	204.69	
10 10 1967	3.30	208.07	
16 10 1967	3.62	255.29	
27 10 1967	2.71	134.85	
22 12 1967	3.24	200.51	
16 1 1968	3.13	185.44	
13 5 1968	2.74	137.86	
26 6 1968	3.18	191.59	
2 7 1968	2.63	125.93	
28 10 1968	2.88	153.91	
17 1 1969	2.63	125.93	

60001

TOWY AT TY CASTELL FARM

GRID REF SN491204 AREA 1090. SQ.KM
 PERIOD OF RECORD 1 1 1958 TO 30 9 1969

SWWRA THRESHOLD 200.00 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE
10 2 1958	4.11	267.19	
19 9 1958	3.71	212.76	
24 9 1958	4.38	307.99	
3 10 1958	3.92	240.37	
17 1 1959	3.77	220.68	
19 1 1959	4.08	262.76	

DATE	LEVEL	DISCHARGE	NOTE
22 1 1959	3.88	236.95	
28 10 1959	3.77	220.68	
26 11 1959	4.61	346.34	2
20 12 1959	3.93	242.06	2
22 1 1960	4.28	292.31	
24 1 1960	4.75	369.92	

60001 TOWY AT TY CASTELL FARM

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
3 2 1960	4.93	402.70		9 12 1965	4.80	379.59	
27 2 1960	4.10	266.30		18 12 1965	5.36	532.68	
27 8 1960	3.83	227.96		22 12 1965	3.81	224.71	
22 9 1960	3.65	204.99		25 2 1966	4.03	256.19	9
4 11 1960	3.99	249.71		19 10 1966	3.96	245.44	
17 11 1960	3.78	221.49		10 12 1966	4.08	262.76	
27 11 1960	3.95	244.17		13 12 1966	4.60	343.77	
1 12 1960	3.94	243.32		22 2 1967	3.68	208.85	
4 12 1960	5.21	461.46		28 2 1967	4.54	333.61	
10 10 1961	4.05	258.37		29 9 1967	4.06	260.56	
27 10 1961	3.99	249.71		2 10 1967	4.62	347.88	
11 1 1962	3.70	210.80		3 10 1967	3.93	242.06	
16 1 1962	3.84	228.77		14 10 1967	3.71	212.76	
12 9 1962	4.41	312.83		17 10 1967	5.11	436.45	
30 9 1962	4.08	262.76		31 10 1967	3.99	249.71	
9 3 1963	4.07	261.88		23 12 1967	3.70	210.80	
14 3 1963	3.73	214.72		14 1 1968	3.99	249.71	
19 11 1963	3.68	208.08		16 1 1968	4.08	262.76	
7 12 1964	4.00	251.86		24 3 1968	4.45	318.69	
9 12 1964	4.10	265.86		1 7 1968	3.84	230.00	
13 12 1964	5.36	532.68		2 7 1968	4.26	289.98	
13 1 1965	4.13	269.42		18 1 1969	3.98	247.90	
				21 1 1969	4.40	310.68	

60002 COYHI AT FELIN MYNACHDY

GRID REF SN506223 AREA 297.8 SQ.KM				SWRA THRESHOLD 76.00 GRADE B CUMECS			
PERIOD OF RECORD 30 8 1961 TO 30 9 1969							
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 10 1961	2.01	81.98		1 12 1966	1.95	78.21	
11 1 1962	2.01	81.79		10 12 1966	1.96	78.96	
15 1 1962	2.13	89.49		13 12 1966	2.80	135.95	
2 4 1962	2.01	81.79	2	22 2 1967	2.12	89.10	
11 9 1962	2.43	109.57		27 2 1967	3.16	163.76	
30 9 1962	2.37	105.61		29 9 1967	2.57	119.36	
9 3 1963	2.22	95.23		1 10 1967	3.19	166.18	
14 3 1963	2.11	88.52		3 10 1967	2.34	103.34	
17 11 1963	1.89	74.88		14 10 1967	2.13	89.30	
6 12 1964	1.95	78.03		16 10 1967	3.01	152.09	
8 12 1964	2.46	111.67		31 10 1967	2.31	101.49	
12 12 1964	3.56	196.39		1 11 1967	1.95	78.03	
13 1 1965	2.52	116.14		9 1 1968	2.01	81.79	
28 11 1965	1.96	78.96		16 1 1968	2.46	111.67	
9 12 1965	2.66	125.91		23 3 1968	2.55	118.07	
18 12 1965	3.04	154.21		25 5 1968	2.07	85.61	
22 12 1965	2.04	83.69		26 6 1968	2.12	88.91	
29 12 1965	1.98	80.28		2 7 1968	2.76	133.25	
25 2 1966	2.47	112.52		21 12 1968	2.04	83.56	
				17 1 1969	2.27	98.39	
				20 1 1969	2.85	139.37	
				11 2 1969	2.12	88.62	

60003 TAF AT CLOG Y FRAN

GRID REF SN238160 AREA 217.3 SQ.KM				SWRA THRESHOLD 42.00 GRADE A2 CUMECS			
PERIOD OF RECORD 31 7 1964 TO 30 9 1969							
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
13 12 1964	3.18	63.74		15 12 1965	2.74	47.42	
13 1 1965	2.62	43.34		17 12 1965	3.16	63.14	
28 11 1965	2.97	55.56		22 12 1965	3.01	57.27	
9 12 1965	3.09	60.17		29 12 1965	2.98	56.13	
				25 2 1966	2.63	43.84	
				22 4 1966	3.12	61.47	

60003

TAP AT CLOG Y FRAN

DATE	LEVEL	DISCHARGE	NOTE
19 10 1966	3.04	57.27	
4 11 1966	2.59	42.35	
13 12 1966	3.03	57.84	
26 2 1967	3.16	63.14	
1 10 1967	3.18	63.74	
16 10 1967	3.03	57.84	
2 11 1967	2.59	42.35	

DATE	LEVEL	DISCHARGE	NOTE
8 1 1968	2.84	51.14	
16 1 1968	2.68	45.36	
1 11 1968	2.82	50.08	
27 11 1968	2.65	44.28	
21 12 1968	2.81	49.73	
25 12 1968	2.77	48.34	
17 1 1969	3.05	58.50	
21 1 1969	3.10	60.41	

61001

WESTERN CLEDDAU AT PRENDERGAST MILL

GRID REF SM954177 AREA 197.6 SQ.KM
 PERIOD OF RECORD 28 7 1961 TO 30 9 1969

SWWRA THRESHOLD 32.00 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
29 9 1962	1.83	26.06	
1 5 1963	1.68	22.04	
17 11 1963	2.34	41.27	
28 11 1963	2.30	39.95	
13 1 1965	2.12	34.42	
20 1 1965	2.25	38.46	
17 11 1965	2.10	33.67	
23 11 1965	2.20	36.99	
28 11 1965	2.39	43.02	
9 12 1965	2.21	37.28	
15 12 1965	2.14	35.08	
17 12 1965	2.64	52.08	
18 12 1965	2.60	50.60	
22 12 1965	2.56	48.93	
29 12 1965	2.43	44.49	
7 2 1966	2.13	34.60	
10 2 1966	2.27	39.25	
20 2 1966	2.07	32.75	
22 4 1966	2.51	47.28	
31 7 1966	2.33	40.96	
13 8 1966	2.33	40.96	

DATE	LEVEL	DISCHARGE	NOTE
4 10 1966	2.28	39.45	
5 10 1966	2.46	45.45	
17 10 1966	2.31	40.46	
19 10 1966	2.31	40.25	
22 1 1967	2.19	36.41	
20 2 1967	2.18	36.31	
25 2 1967	2.12	34.42	
27 2 1967	2.67	53.22	
29 9 1967	2.41	43.75	
1 10 1967	2.66	52.88	
16 10 1967	2.27	38.95	
30 10 1967	2.29	39.65	
5 11 1967	2.68	53.45	
8 1 1968	2.59	50.27	2 4
16 1 1968	2.19	36.51	2 4
16 12 1968	2.12	34.19	
20 12 1968	2.18	36.05	
21 12 1968	2.30	39.91	
24 12 1968	2.43	45.00	
7 1 1969	2.09	33.27	
17 1 1969	2.35	41.58	
20 1 1969	2.73	55.27	

61002

EASTERN CLEDDAU AT CANASTON BRIDGE

GRID REF SN071152 AREA 183.1 SQ.KM
 PERIOD OF RECORD 30 11 1959 TO 3 10 1969

SWWRA THRESHOLD 42.00 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
30 11 1959	1.82	46.82	
29 12 1959	1.81	46.12	
24 1 1960	2.13	61.73	
2 2 1960	1.91	50.99	
26 2 1960	1.88	49.68	
2 10 1960	2.08	59.19	
3 10 1960	2.16	63.50	
9 11 1960	1.79	45.14	
17 11 1960	1.95	52.62	
2 12 1960	1.73	42.40	
4 12 1960	2.29	70.80	
25 12 1960	1.72	42.26	
27 1 1961	2.02	56.40	
5 10 1961	2.09	59.98	
11 9 1962	2.15	63.01	
29 9 1962	2.17	63.98	
7 2 1963	1.67	40.13	
PEAK ESTIMATED-ICE BUILD UP			
17 11 1963	2.34	73.54	

DATE	LEVEL	DISCHARGE	NOTE
19 11 1963	1.84	47.67	
21 11 1963	1.77	44.31	
28 11 1963	2.04	57.17	
8 12 1964	1.76	43.89	
12 12 1964	2.71	95.58	
13 1 1965	2.08	59.51	
28 11 1965	1.82	46.68	
9 12 1965	2.18	64.47	
15 12 1965	1.91	50.99	
17 12 1965	2.56	86.08	
18 12 1965	2.52	84.24	
22 12 1965	2.29	70.63	
29 12 1965	2.38	75.80	
7 2 1966	1.87	48.96	
22 4 1966	2.52	83.87	
19 10 1966	1.92	51.29	
4 11 1966	1.76	44.03	
15 12 1966		47.32	
30 12 1966		50.32	
31 12 1966		42.90	

61002

EASTERN CLEDDAU AT CANASTON BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
20 2 1967		47.94		8 1 1968	2.06	58.57	
27 2 1967	2.63	90.77	9	16 1 1968	2.05	57.63	
29 9 1967	1.89	49.97					
1 10 1967	2.61	89.45		20 12 1968	1.90	50.17	
3 10 1967	1.76	43.76		21 12 1968	2.18	64.34	
16 10 1967	2.15	62.85		24 12 1968	1.93	51.61	
30 10 1967	1.93	51.88		17 1 1969	2.25	68.13	
2 11 1967	1.78	44.72		20 1 1969	2.48	81.26	
22 12 1967	1.86	48.53		21 1 1969	2.42	77.73	

62001

TEIFI AT GLAN TEIFI

GRID REF SN244416 AREA 894. SQ.KM
 PERIOD OF RECORD 5 6 1959 TO 2 10 1969

SWRA THRESHOLD 118.05 GRADE A2
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
14 11 1959	2.81	131.30		28 11 1963	2.83	132.26	
17 11 1959	2.74	126.53		9 12 1964	3.26	159.82	
20 11 1959	3.00	142.92		13 12 1964	4.02	220.56	
26 11 1959	4.03	222.07		13 1 1965	3.06	146.86	
30 11 1959	2.80	130.34		12 9 1965	2.74	126.53	
6 12 1959	2.65	120.87					
20 12 1959	2.72	125.58	2	9 12 1965	3.50	172.09	
1 1 1960	2.86	134.18		15 12 1965	2.63	119.93	
24 1 1960	4.26	245.21		19 12 1965	4.32	251.55	
3 2 1960	4.02	220.56		22 12 1965	2.86	134.18	
27 2 1960	2.83	132.26		25 2 1966	2.88	135.14	
2 10 1960	2.94	139.02		13 12 1966	4.17	235.83	
17 11 1960	3.04	145.87		27 2 1967	3.44	172.04	
4 12 1960	3.84	202.85		29 9 1967	2.85	133.79	
4 10 1961	2.98	141.95		1 10 1967	3.59	180.25	
10 10 1961	2.65	120.87		16 10 1967	3.35	165.90	
24 10 1961	2.81	131.30		31 10 1967	3.32	163.87	
16 1 1962	3.00	142.92		9 1 1968	2.69	123.69	
1 10 1962	3.30	162.85		16 1 1968	2.83	132.26	
10 3 1963	2.98	141.95		3 7 1968	2.81	131.30	
18 3 1963	2.86	134.18					
19 11 1963	2.62	119.00		22 12 1968	3.04	145.35	
				17 1 1969	3.06	146.65	
				21 1 1969	3.19	155.12	

63001

YSTWYTH AT PONT LLOLWYN

GRID REF SN591774 AREA 169.6 SQ.KM
 PERIOD OF RECORD 29 6 1961 TO 23 9 1969

SWRA THRESHOLD 47.00 GRADE C
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 10 1961	2.24	69.90		7 1 1963	1.98	55.00	
30 11 1961	1.98	55.00		16 1 1963	2.01	56.66	
10 12 1961	1.85	48.59		8 9 1965	2.04	58.35	
12 2 1962	2.43	82.46		10 9 1965	2.12	63.20	
2 4 1962	1.88	50.16					
7 4 1962	2.43	82.46		9 12 1963	3.13	134.97	
23 8 1962	2.51	87.56		17 12 1963	2.95	120.06	
11 9 1962	2.19	66.96		27 6 1966	2.69	100.40	
15 12 1962	2.69	100.40					
26 9 1963	1.88	50.16		9 12 1966	2.49	86.52	
				12 12 1966	2.19	67.14	
19 11 1963	2.01	56.66		24 12 1966	1.98	55.00	
21 11 1963	1.92	51.75		27 2 1967	2.59	92.80	
25 11 1963	2.31	74.61					
4 7 1964	2.10	61.79		1 10 1967	2.74	103.75	
				4 10 1967	2.16	65.34	
13 11 1964	1.98	55.00		9 10 1967	1.87	49.37	
6 12 1964	2.20	68.05		16 10 1967	1.85	48.59	
12 12 1964	3.80	196.56	5	30 10 1967	2.01	56.66	
				3 11 1967	2.07	60.06	
				18 12 1967	1.96	54.18	

63001

YSTWYTH AT PONT LLOLWYN

DATE	LEVEL	DISCHARGE	NOTE
25 12 1967	2.07	60.06	
5 1 1968	2.31	74.61	
14 1 1968	2.57	91.74	
18 1 1968	2.10	61.79	
12 5 1968	2.36	77.37	

DATE	LEVEL	DISCHARGE	NOTE
2 7 1968	1.97	56.40	
18 1 1969	2.07	59.91	
26 5 1969	1.88	49.66	

63002

RHEIDOL AT LLANBADARN FAWR

GRID REF SN601804 AREA 182.1 SQ.KM
 PERIOD OF RECORD 22 10 1963 TO 23 9 1969

SWRA THRESHOLD 40.00 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
25 11 1963	1.63	56.68	
31 1 1964	1.36	40.75	
11 7 1964	1.55	51.53	
7 12 1964	1.56	52.44	
9 12 1964	1.40	42.89	
12 12 1964	2.39	111.04	
8 1 1965	1.40	43.22	
17 9 1965	1.47	46.78	
9 12 1965	2.00	80.89	
17 12 1965	2.29	103.36	
23 12 1965	1.37	41.24	
27 6 1966	2.19	95.21	
2 12 1966	1.37	41.24	
10 12 1966	1.83	69.03	
12 12 1966	1.52	49.93	

DATE	LEVEL	DISCHARGE	NOTE
25 12 1966	1.48	47.64	
27 2 1967	1.58	53.35	
1 10 1967	1.63	56.49	
4 10 1967	1.43	44.56	
9 10 1967	1.46	46.26	
16 10 1967	1.43	44.56	
31 10 1967	1.40	43.05	
3 11 1967	1.49	47.99	
19 12 1967	1.37	41.24	
25 12 1967	1.38	41.73	
5 1 1968	1.48	47.64	
14 1 1968	1.58	53.53	
13 5 1968	1.50	48.36	
18 1 1969	1.42	43.87	
21 1 1969	1.45	45.53	

64001

DOVEY AT DOVEY BRIDGE

GRID REF SH745019 AREA 471. SQ.KM
 PERIOD OF RECORD 27 9 1962 TO 1 10 1969

GWRA THRESHOLD 164.00 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
11 12 1962	2.80	192.34	2 4
14 12 1962	2.73	182.28	
14 4 1963	2.80	192.34	2 4
25 9 1963	2.94	212.26	
21 11 1963	2.94	212.26	
25 11 1963	3.01	222.96	
13 11 1964	2.84	197.46	
7 12 1964	2.96	214.91	
9 12 1964	3.48	296.74	
12 12 1964	3.96	380.10	
29 12 1964	2.96	215.80	
9 1 1965	2.95	213.14	
10 1 1965	2.96	214.91	
13 1 1965	2.79	191.50	
16 1 1965	2.65	172.43	
23 1 1965	2.63	169.20	
9 4 1965	2.69	177.33	
8 5 1965	3.11	237.58	
8 9 1965	2.65	171.62	
3 12 1965	2.82	195.75	
9 12 1965	3.69	332.03	
17 12 1965	3.51	300.81	
8 2 1966	2.86	200.90	
27 6 1966	3.50	299.79	

DATE	LEVEL	DISCHARGE	NOTE
14 9 1966	2.86	200.90	
29 11 1966	2.87	201.77	
1 12 1966	2.92	209.61	
10 12 1966	3.31	268.91	
24 12 1966	2.71	179.80	
22 2 1967	3.02	223.72	
26 2 1967	3.55	308.32	
18 8 1967	2.63	168.75	
1 10 1967	3.25	258.42	
3 10 1967	3.19	249.06	
9 10 1967	3.20	250.61	
16 10 1967	3.45	290.63	
30 10 1967	2.64	170.07	
22 12 1967	3.35	274.33	
5 1 1968	2.93	210.18	
14 1 1968	3.61	317.50	
17 1 1968	2.72	180.78	
19 3 1968	2.87	201.59	
23 3 1968	3.44	288.98	
12 5 1968	2.67	174.05	
26 6 1968	2.65	171.39	
2 10 1968	2.68	175.39	
20 1 1969	2.73	182.14	
31 3 1969	2.64	170.07	

65001

GLASLYN AT BEDDGELEERT

GRID REF SH592478 AREA 68.6 SQ.KM
 PERIOD OF RECORD 8 11 1961 TO 6 10 1969

GWRA THRESHOLD 36.30 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
29 11 1961	4.11	38.50		29 12 1965	4.18	43.17	
2 4 1962	4.27	48.99		5 2 1966	4.23	46.03	
23 8 1962	4.16	41.58		1 4 1966	4.19	43.57	
26 8 1962	4.29	50.72		22 4 1966	4.08	36.63	
11 9 1962	4.10	38.12		27 6 1966	4.27	49.42	
29 10 1962	4.20	44.38		1 12 1966	4.20	43.98	
11 12 1962	4.10	38.12		22 2 1967	4.26	48.13	
14 4 1963	4.33	53.38		27 2 1967	4.35	55.20	
25 6 1963	4.29	50.72		30 7 1967	1.69	53.96	
25 9 1963	4.13	40.02		1 10 1967	2.00	79.60	2 4
21 11 1963	4.30	51.60	2	3 10 1967	1.51	41.48	
11 5 1964	4.21	44.79		9 10 1967	1.62	48.90	
18 8 1964	4.16	41.98		16 10 1967	1.55	44.10	
6 10 1964	4.15	41.19		22 12 1967	1.59	46.81	
13 11 1964	4.29	50.72		13 1 1968	1.61	48.20	
7 12 1964	4.38	57.51		16 1 1968	1.63	49.60	
8 12 1964	4.44	61.81		18 1 1968	1.51	41.48	
12 12 1964	4.44	61.81		23 3 1968	1.72	56.21	
10 1 1965	4.45	62.78		19 8 1968	1.76	59.28	
15 9 1965	4.32	52.93		20 9 1968	1.53	42.78	
8 12 1965	4.18	42.77		2 10 1968	1.46	38.32	
17 12 1965	4.23	46.03		20 1 1969	1.83	64.88	
22 12 1965	4.18	42.77		21 1 1969	1.50	40.84	

66002

ELWY AT PANT YR ONEN

GRID REF SJ021704 AREA 220. SQ.KM
 PERIOD OF RECORD 26 7 1961 TO 7 10 1969

DCRA THRESHOLD 35.40 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
28 10 1961	1.49	36.31		18 11 1963	1.56	40.05	
30 11 1961	1.64	44.30		21 11 1963	1.87	58.19	
5 12 1961	2.13	75.93		24 3 1964	1.66	45.53	
10 12 1961	1.58	40.88		7 12 1964	1.92	61.17	
5 1 1962	1.52	37.59		9 12 1964	2.70	122.40	
11 1 1962	1.85	57.21		12 12 1964	3.00	150.45	
15 1 1962	1.54	38.89		10 1 1965	1.90	60.17	
2 4 1962	1.70	47.84		13 1 1965	1.65	44.65	
29 6 1963	1.49	36.31		23 1 1965	1.52	37.43	
				1 10 1965	1.68	46.59	

66002 ELWY AT PANT YR ONEN

DATE	LEVEL	DISCHARGE	NOTE
9 12 1965	2.83	133.83	
18 12 1965	1.63	43.44	
1 4 1966	2.06	70.92	
30 11 1966	1.66	45.18	
2 12 1966	2.25	84.99	
22 2 1967	2.05	70.49	
27 2 1967	2.16	78.15	2
14 5 1967	1.49	36.15	2 4
1 10 1967	1.81	54.70	
9 10 1967	1.58	40.88	
16 10 1967	2.29	87.80	
28 10 1967	1.90	60.37	

DATE	LEVEL	DISCHARGE	NOTE
3 11 1967	1.88	58.78	
22 12 1967	1.57	40.38	
2 1 1968	1.78	52.62	
13 1 1968	2.09	73.30	
16 1 1968	1.75	50.76	
19 3 1968	1.91	60.57	
23 3 1968	2.73	124.60	
25 5 1968	1.52	37.59	
27 5 1968	1.52	37.59	
2 7 1968	1.87	58.19	
2 11 1968	1.86	57.60	
11 2 1969	1.78	52.43	
6 5 1969	1.48	35.67	

66003 ALED AT BRYN ALED

GRID REF SH957703 AREA 69.9 SQ.KM
 PERIOD OF RECORD 24 7 1963 TO 30 9 1969

DCRA THRESHOLD 12.60 GRADE D CUMECS

DATE	LEVEL	DISCHARGE	NOTE
25 3 1964	0.94	12.21	
7 12 1964	1.09	16.74	
8 12 1964	1.37	26.53	
12 12 1964	1.74	43.20	
10 1 1965	1.04	15.21	
13 1 1965	1.00	13.85	
23 1 1965	0.96	12.63	
2 12 1965	1.26	22.47	
9 12 1965	1.62	37.23	
1 4 1966	1.24	21.70	
1 12 1966	1.52	32.85	

DATE	LEVEL	DISCHARGE	NOTE
22 2 1967	1.20	20.30	
27 2 1967	1.09	16.74	
14 5 1967	1.03	14.84	
1 10 1967	1.00	14.03	
17 10 1967	1.56	34.46	2
28 10 1967	1.12	17.72	
1 12 1967	1.07	16.16	
13 1 1968	1.11	17.22	
16 1 1968	1.02	14.39	
19 3 1968	1.18	19.56	
23 3 1968	1.33	24.98	
2 7 1968	1.06	15.78	
2 11 1968	1.41	28.36	

66011 CONWAY AT CWM LLANERCH

GRID REF SH802581 AREA 344. SQ.KM
 PERIOD OF RECORD 29 5 1964 TO 1 10 1969

GWRA THRESHOLD 272.00 GRADE B CUMECS

DATE	LEVEL	DISCHARGE	NOTE
7 12 1964	4.66	282.93	
8 12 1964	5.42	404.30	
12 12 1964	5.45	522.36	
9 1 1965	4.32	292.85	
10 1 1965	4.90	401.73	
8 5 1965	4.54	331.50	
31 10 1965	4.34	295.00	
8 12 1965	5.36	501.45	
17 12 1965	5.16	456.88	
5 2 1966	4.69	360.48	
1 4 1966	4.35	279.30	
14 9 1966	4.48	299.23	

DATE	LEVEL	DISCHARGE	NOTE
1 12 1966	4.70	335.68	
22 2 1967	4.15	396.44	
27 2 1967	4.80	518.14	
3 10 1967	3.46	282.14	
9 10 1967	3.74	326.62	
16 10 1967	4.11	389.39	
22 12 1967	4.03	375.44	
13 1 1968	4.22	408.91	
16 1 1968	3.55	296.15	
19 3 1968	3.85	344.81	
23 3 1968	4.44	449.10	
20 9 1968	3.75	328.25	
20 1 1969	3.32	260.90	

66801 CONWAY AT BLAEN Y COED

GRID REF SH804452 AREA 10.44 SQ.KM
 PERIOD OF RECORD 17 11 1950 TO 4 6 1958

CEGB THRESHOLD 9.10 GRADE B CUMECS

DATE	LEVEL	DISCHARGE	NOTE
16 1 1951	1.43	14.82	
23 3 1951	1.38	13.74	
12 4 1951	1.18	9.64	
3 9 1951	1.30	12.02	

DATE	LEVEL	DISCHARGE	NOTE
23 11 1951	1.28	11.65	
5 12 1951	1.38	13.61	
8 12 1951	1.16	9.19	
23 12 1951	1.25	11.05	
10 2 1952	1.24	10.70	

66801

CONWAY AT BLAEN Y COED

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
21 3 1952	1.25	11.05		14 6 1955	1.18	9.51	
21 6 1952	1.43	14.68		22 6 1955	1.24	10.88	
28 3 1953	1.22	10.36		26 1 1956	1.32	12.45	2
30 9 1953	1.58	18.21		5 7 1956	1.23	10.59	4
				7 7 1956	1.43	14.68	
13 11 1953	1.49	16.09		1 8 1956	1.17	9.31	
26 11 1953	1.19	9.77		27 9 1956	1.18	9.64	2
20 1 1954	1.34	12.83					
6 3 1954	1.24	10.76		5 1 1957	1.18	9.57	
18 8 1954	1.42	14.48		20 1 1957	1.25	10.99	
30 9 1954	1.39	13.87		17 3 1957	1.43	14.68	
14 10 1954	1.18	9.51		28 10 1957	1.33	12.58	
2 12 1954	1.17	9.31	2	29 10 1957	1.67	20.41	1
10 1 1955	1.23	10.53	2	30 10 1957	1.21	10.30	

67002

DEE AT ERBISTOCK RECTORY

GRID REF SJ358412 AREA 1040. SQ.KM DCRA GRADE B
 PERIOD OF RECORD 29 12 1937 TO 13 10 1969 THRESHOLD 134.00 CUMECs
 SIGNIFICANT GAPS
 2 1 1939 TO 23 1 1939 21 1 1942 TO 24 1 1942

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
9 10 1938	1.96	153.65	2	14 1 1947	2.10	176.73	
23 1 1939	1.84	134.96		19 3 1947	2.98	362.18	
28 2 1939	1.85	137.68		21 3 1947	2.80	318.08	
2 3 1939	2.19	192.70		7 4 1947	1.98	156.56	
27 11 1939	1.85	137.68	2	12 11 1947	2.20	195.44	
30 11 1939	2.13	181.97	2	22 11 1947	2.05	169.01	
2 12 1939	1.92	146.96	2	27 12 1947	1.88	142.28	
27 1 1940	2.37	226.86		5 1 1948	2.69	293.75	
CHART TRACE APPEARS VERY IRREGULAR				11 1 1948	2.40	232.84	
3 11 1940	2.19	192.70		13 1 1948	3.21	421.58	
RECONSTRUCTED FROM DAILY STAFF GAUGE READINGS				11 12 1948	1.90	144.61	
12 11 1940	2.37	226.86		2 1 1949	1.87	139.97	
22 11 1940	2.08	174.14	8	7 4 1949	2.17	189.99	
CHART 6.6, STAFF GAUGE 6.85				21 10 1949	2.13	181.97	
28 2 1941	2.59	270.44		4 12 1949	2.22	198.19	
19 10 1941	1.87	139.97		10 2 1950	2.95	354.62	
STAFF GAUGE READING, RECORDER LOSS OF AIR				24 9 1950	2.17	189.99	
11 12 1942	1.88	142.28		23 3 1951	2.24	200.97	
31 1 1943	2.37	226.86		5 11 1951	2.20	195.44	
9 2 1943	2.13	181.97		8 11 1951	2.40	232.84	
9 5 1943	2.10	176.73		24 11 1951	2.39	229.84	
23 1 1944	3.07	385.37		8 12 1951	1.92	146.96	
20 10 1944	2.20	195.44		24 12 1951	2.46	245.04	
28 11 1944	2.04	166.48		28 12 1951	2.36	223.90	
2 12 1944	1.98	156.56		11 1 1952	2.16	187.30	
1 2 1945	1.95	151.72		29 10 1952	2.04	166.48	
3 2 1945	2.40	232.84		16 12 1952	1.90	144.61	
13 2 1945	3.04	377.56		22 9 1953	1.88	142.28	
2 4 1945	2.25	203.76		8 11 1953	1.95	151.72	
26 10 1945	2.59	270.44		14 11 1953	2.17	189.99	
29 1 1946	1.87	139.97		7 3 1954	2.17	189.99	
1 2 1946	2.51	254.41		19 10 1954	1.90	144.61	
4 2 1946	2.49	251.27		24 10 1954	2.74	304.05	
8 2 1946	3.89	626.58		26 10 1954	2.05	169.01	
23 2 1946	1.84	135.41		6 11 1954	2.43	238.90	
4 9 1946	1.88	142.28		10 11 1954	2.02	163.97	
20 9 1946	2.28	209.41		23 11 1954	1.90	144.61	
22 11 1946	1.92	148.38		27 11 1954	2.65	283.63	
24 11 1946	2.54	260.76		30 11 1954	2.80	318.08	
11 12 1946	1.88	142.28		3 12 1954	2.33	218.04	

67002

DEE AT ERBISTOCK RECTORY

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
21 1 1956	2.13	181.97					
26 1 1956	2.14	184.63		6 3 1963	2.13	181.97	
30 12 1956	2.04	166.48		12 11 1963	1.83	134.05	
6 1 1957	2.19	192.70		14 11 1963	2.11	178.82	
12 8 1957	2.07	171.57		18 11 1963	1.84	135.41	
25 9 1957	2.51	254.41		21 11 1963	2.11	178.29	
				25 11 1963	2.13	181.97	
30 10 1957	2.16	187.30		28 11 1963	1.85	137.22	
5 11 1957	1.88	142.28					
10 2 1958	2.16	187.30		7 12 1964	1.99	159.01	2
14 2 1958	1.92	146.96		9 12 1964	2.54	261.40	
24 2 1958	1.85	137.68		13 12 1964	3.87	618.49	
23 9 1958	2.11	179.34		11 1 1965	2.25	203.76	2
				13 1 1965	2.18	191.62	
5 10 1958	1.98	156.56		16 1 1965	1.90	144.61	
7 10 1958	1.84	135.41		18 1 1965	1.89	143.67	
1 1 1959	2.16	187.30		24 1 1965	1.88	141.35	
19 1 1959	2.51	254.41		8 9 1965	1.85	136.31	
22 1 1959	2.16	187.30					
16 4 1959	1.95	151.72		3 12 1965	1.99	158.03	
				9 12 1965	3.30	446.67	
25 11 1959	1.88	142.28		19 12 1965	2.97	358.39	
20 12 1959	1.85	137.68		25 2 1966	2.10	176.73	
23 12 1959	1.85	137.68					
27 12 1959	2.77	311.03		1 12 1966	2.75	307.53	2
21 1 1960	2.19	192.70		9 12 1966	2.04	154.76	
24 1 1960	2.14	184.63		22 2 1967	2.30	197.68	2 8
30 1 1960	2.62	277.00		27 2 1967	2.53	240.80	
3 2 1960	1.98	156.56					
26 2 1960	2.43	238.90		2 10 1967	2.14	169.94	2 8
16 9 1960	1.95	151.72		10 10 1967	1.95	139.88	
				16 10 1967	2.61	258.08	
4 11 1960	1.95	151.72		28 10 1967	2.08	160.06	
17 11 1960	2.01	161.48		22 12 1967	2.22	183.79	
26 11 1960	2.07	171.57		2 1 1968	1.98	144.44	
4 12 1960	3.50	503.68	2 4	13 1 1968	2.74	285.87	
				17 1 1968	2.35	207.05	
30 11 1961	1.85	137.68		19 3 1968	2.11	165.45	
5 12 1961	2.31	215.15		23 3 1968	2.72	281.24	
10 12 1961	1.85	137.68					
11 1 1962	1.98	156.56		5 11 1968	1.94	138.98	
16 1 1962	2.40	232.84		22 12 1968	1.89	131.43	
2 4 1962	2.13	181.97					

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
1941-1942

67003

BRENIG AT PONT Y RHUDDFA

GRID REF	SH974539	AREA	20.2 SQ. KM	DCRA	GRADE B		
PERIOD OF RECORD	9 1964 TO	28 10 1969		THRESHOLD	7.80 CUMEDS		
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 12 1964		8.21		14 5 1967		9.37	
8 12 1964		11.52		1 10 1967		8.52	
12 12 1964		14.75	2 4	16 10 1967		9.21	
9 1 1965		9.21		28 10 1967		12.79	2 4
23 1 1965		8.21		22 12 1967		10.47	
8 5 1965		9.73		2 1 1968		8.16	
				13 1 1968		11.99	
9 12 1965		13.16	2 4	19 3 1968		11.99	
1 4 1966		8.16		23 3 1968		13.63	
				28 5 1968		10.44	
3 10 1966		11.73	2	2 7 1968		9.70	
29 11 1966		12.63	4 2	14 7 1968		7.95	
1 12 1966		14.22	4 2				
22 2 1967		8.63		1 11 1968		11.12	
27 2 1967		9.68					

67005

CEIRIOG AT BRYNKINALT WEIR

GRID REF SJ295373 AREA 114. SQ.KM
 PERIOD OF RECORD 1 10 1952 TO 6 10 1969

DCRA THRESHOLD 15.20 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 10 1952	0.99	19.40		17 11 1960	0.93	16.34	
27 10 1952	1.18	32.73	2	3 12 1960	1.14	29.56	
16 12 1952	0.96	18.01		4 12 1961	1.05	23.12	
13 2 1954	0.92	16.01		12 1 1962	0.98	19.05	
6 3 1954	1.11	27.18		15 1 1962	1.27	39.83	
9 6 1954	0.91	15.22		2 4 1962	0.97	18.70	
22 10 1954	0.97	18.52		23 11 1962	0.93	16.34	
24 10 1954	1.05	23.12		15 12 1962	0.92	16.01	
26 10 1954	1.06	24.11		6 3 1963	1.29	41.65	
5 11 1954	1.09	26.13		9 3 1963	1.02	21.22	
10 11 1954	1.09	26.13		5 11 1963	1.00	20.30	
23 11 1954	1.14	29.34		14 11 1963	1.06	23.71	
24 11 1954	1.02	21.22		17 11 1963	0.92	16.01	
27 11 1954	1.37	48.50		19 11 1963	0.98	19.05	
30 11 1954	1.28	40.09		25 11 1963	0.98	19.05	
2 12 1954	0.96	17.67		20 3 1964	1.00	20.30	
14 12 1954	1.03	22.16		8 12 1964	1.00	20.30	
24 3 1955	1.06	24.11		12 12 1964	1.44	55.58	
26 3 1955	0.97	18.52		30 12 1964	0.96	18.01	
21 1 1956	0.97	18.52		9 1 1965	1.10	26.34	
26 1 1956	1.15	30.45		13 1 1965	1.12	28.25	
30 12 1956	1.22	35.58		23 1 1965	0.91	15.38	
6 1 1957	1.18	32.27		8 9 1965	1.04	22.54	
7 2 1957	0.99	19.40		17 9 1965	0.94	16.83	
12 8 1957	1.06	24.11		3 12 1965	1.05	23.32	
25 9 1957	1.23	36.31	2	6 12 1965	0.91	15.22	
10 1 1958	0.91	15.22		9 12 1965	1.53	65.13	
10 2 1958	1.20	33.90		18 12 1965	0.97	18.35	
1 7 1958	0.91	15.22		19 2 1966	0.99	19.76	
3 10 1958	0.94	16.83		25 2 1966	1.11	27.39	
6 10 1958	0.92	16.01		2 12 1966	1.19	33.43	
1 1 1959	0.94	16.83		9 12 1966	1.02	21.22	
19 1 1959	1.34	45.42		22 2 1967	1.22	35.82	
16 4 1959	1.05	23.12		27 2 1967	1.16	30.67	
22 5 1959	0.94	16.83		29 9 1967	0.96	17.84	
25 11 1959	1.04	22.93		1 10 1967	1.08	25.11	
6 12 1959	0.93	16.50		3 10 1967	1.00	20.30	
27 12 1959	1.07	24.91		16 10 1967	1.11	27.18	
21 1 1960	1.15	30.22		28 10 1967	1.06	24.30	
24 1 1960	1.06	23.71		30 10 1967	0.91	15.22	
30 1 1960	1.17	31.81		2 1 1968	0.93	16.34	
2 2 1960	1.08	25.52		13 1 1968	1.26	38.81	
26 2 1960	1.38	49.36		16 1 1968	0.95	17.50	
16 9 1960	1.21	34.62		19 3 1968	0.97	18.52	
2 10 1960	1.11	27.39		23 3 1968	1.07	24.71	
24 10 1960	1.01	20.67		2 7 1968	0.95	17.16	
27 10 1960	1.03	21.78		20 12 1968	0.98	19.05	
4 11 1960	0.99	19.58		31 3 1969		15.20	

67006

ALWEN AT DRUID

GRID REF SJ042436 AREA 185. SQ.KM
 PERIOD OF RECORD 12 1 1960 TO 3 10 1969

DCRA THRESHOLD 33.60 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
21 1 1960	1.15	35.05		3 12 1960	1.93	104.47	
29 1 1960	1.64	74.22		25 12 1960	1.22	39.54	
26 2 1960	1.28	43.88		13 1 1961	1.14	34.07	
16 9 1960	1.32	46.82		31 1 1961	1.22	39.54	2
22 9 1960	1.37	50.35		4 5 1961	1.14	34.46	
16 11 1960	1.25	41.68		5 12 1961	1.58	68.54	
26 11 1960	1.35	49.16		10 12 1961	1.26	42.33	

67006 ALWEN AT DRUID

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 1 1962	1.37	50.35		4 10 1966	1.50	61.76	
16 1 1962	1.27	42.77		29 11 1966	1.24	41.25	
2 4 1962	1.34	48.22		2 12 1966	1.61	71.64	
26 8 1962	1.25	41.68		9 12 1966	1.21	38.70	
11 9 1962	1.22	39.75		23 2 1967	1.46	58.33	
5 3 1963	1.15	34.66		27 2 1967	1.52	63.10	
26 9 1963	1.14	34.07		2 10 1967	1.42	54.76	
14 11 1963	1.15	35.05		10 10 1967	1.22	39.33	
21 11 1963	1.48	59.38		16 10 1967	1.73	83.19	
8 12 1964	1.79	89.47		28 10 1967	1.43	55.77	
12 12 1964	2.54	186.14		3 11 1967	1.16	35.65	
9 1 1965	1.19	37.67		19 3 1968	1.52	63.37	
9 12 1965	2.17	133.40		23 3 1968	1.79	89.15	
17 12 1965	1.72	81.66		25 5 1968	1.24	41.03	
25 1 1966	1.26	42.33		2 7 1968	1.24	41.25	
				11 2 1969	1.18	36.85	

67007 DEE AT GLYNDYFRDWY

GRID REF	SJ155428	AREA	728. SQ.KM	DCRA	THRESHOLD	93.00	GRADE B	CUMECS	NOTE
PERIOD OF RECORD	20	1 1964 TO	30 9 1969						
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE		
7 12 1964	119.37	131.11		1 12 1966	119.85	172.54			
9 12 1964	119.95	219.30		9 12 1966	119.36	118.84			
13 12 1964	122.27	554.40		22 2 1967	119.60	144.75			
30 12 1964	119.37	130.70		27 2 1967	119.89	177.23			
10 1 1965	119.64	170.08		5 9 1967	119.11	98.04			
13 1 1965	119.54	154.18		1 10 1967	119.39	128.27			
16 1 1965	119.22	112.56		9 10 1967	119.28	116.01			
17 1 1965	119.19	108.31		16 10 1967	119.94	201.21			
23 1 1965	119.19	108.31		28 10 1967	119.32	121.12			
8 5 1965	119.34	126.64		3 11 1967	119.16	102.81			
8 9 1965	119.20	110.07		23 12 1967	2.19	166.55			
11 9 1965	119.05	93.02		2 1 1968	1.76	114.28			
25 11 1965	119.06	94.01		5 1 1968	1.58	94.86			
3 12 1965	119.42	137.76		14 1 1968	2.45	202.48			
6 12 1965	119.18	107.26		17 1 1968	2.28	178.88			
9 12 1965	120.80	349.03		25 3 1968	2.01	143.80			
18 12 1965	120.51	256.89		2 7 1968	1.61	97.99			2
25 2 1966	119.49	131.88		2 11 1968	1.59	95.49			
4 10 1966	119.10	93.39		22 12 1968	1.65	102.45			
				11 2 1969	1.56	96.54			

67009 ALYN AT RHYDYMWYN

GRID REF	SJ204667	AREA	79.5 SQ.KM	DCRA	THRESHOLD	4.10	GRADE C	CUMECS	NOTE
PERIOD OF RECORD	17	8 1957 TO	22 10 1969						
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE		
15 9 1957		4.81		4 12 1960		5.38			
25 9 1957		11.04		3 12 1961		3.40			
10 2 1958		4.96		6 3 1963		7.93			
28 2 1958		4.96		25 3 1964		9.06			
19 1 1959		6.65		12 12 1964		7.93			
17 4 1959		9.63		9 1 1965		5.24			
27 12 1959		4.53		17 1 1965		4.39			
22 1 1960		5.52		23 2 1965		4.25			
25 1 1960		5.95		8 9 1965		4.81			
30 1 1960		8.78		1 10 1965		5.95			
23 9 1960		4.67		3 12 1965		5.66			
3 10 1960		8.78		10 12 1965		9.20			
27 10 1960		4.81							

67009 ALYN AT RHYDYMWYN

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
18 12 1965		5.24		5 1 1968	1.80	7.22	
4 11 1966		7.50		13 1 1968	2.09	10.30	
1 12 1966		13.73		2 2 1968	1.41	4.13	
10 12 1966		7.50		6 3 1968	1.46	4.45	
23 2 1967		5.10		2 11 1968	1.98	8.98	
15 5 1967		5.66		11 2 1969	2.28	12.82	
12 12 1967	1.84	7.60		23 2 1969	1.62	5.64	
24 12 1967	1.63	5.71		15 3 1969	1.53	5.00	
1 1 1968	1.85	7.75		7 5 1969	1.61	5.59	
				27 5 1969	1.65	5.89	

67801 TRYWERYN AT WEIR X (BEFORE DAM CONSTRUCTION)

GRID REF SH932360 AREA 105.4 SQ.KM DCRA GRADE B
 PERIOD OF RECORD 28 7 1960 TO 30 9 1964 THRESHOLD 30.40 CUMECs
 SIGNIFICANT GAPS
 1 10 1963 TO 7 10 1963

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
22 9 1960	163.70	32.62		7 4 1962	163.71	32.84	
16 11 1960	163.78	38.33		23 8 1962	163.86	44.57	
25 11 1960	163.92	49.97		26 8 1962	163.89	47.23	
4 12 1960	164.28	90.23		11 9 1962	163.73	34.84	
25 12 1960	163.82	41.26		11 12 1962	163.72	33.72	
13 1 1961	163.71	33.06		15 12 1962	163.86	44.57	
29 1 1961	163.75	35.98		5 3 1963	163.72	33.72	
20 8 1961	163.69	31.76		24 3 1963	163.67	30.49	
17 10 1961	163.70	32.62		14 4 1963	163.78	38.33	
30 11 1961	164.10	68.38		21 4 1963	163.75	35.98	
4 12 1961	164.01	59.06		25 9 1963	163.75	35.98	
15 1 1962	163.74	35.52		12 11 1963	163.73	34.84	
21 1 1962	163.71	33.06		14 11 1963	163.83	42.01	
4 2 1962	163.72	33.72		21 11 1963	163.98	55.74	
12 2 1962	163.81	40.76		25 11 1963	163.72	34.16	
2 4 1962	164.02	60.30		24 3 1964	163.75	36.44	

67801 TRYWERYN AT WEIR X (AFTER DAM CONSTRUCTION)

GRID REF SH932360 AREA 105.4 SQ.KM DCRA GRADE B
 PERIOD OF RECORD 1 3 1965 TO 30 9 1969 THRESHOLD 25.50 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
8 5 1965	163.69	31.54		27 2 1967	163.83	42.51	
31 10 1965	163.61	26.47		1 10 1967	163.67	30.49	
3 12 1965	163.61	26.47		9 10 1967	163.77	37.85	
8 12 1965	163.89	47.77		16 10 1967	163.86	44.57	
17 12 1965	163.89	47.23		22 12 1967	163.66	29.66	
25 2 1966	163.60	25.52		13 1 1968	163.72	33.72	
4 10 1966	163.79	39.05		19 3 1968	163.62	27.25	
1 12 1966	163.64	28.44		23 3 1968	163.66	29.45	
22 2 1967	163.70	32.62		26 11 1968	163.46	18.59	

67803 DEE AT CHESTER WEIR

GRID REF BJ418663 AREA 1825. SQ.KM DCRA GRADE B
 PERIOD OF RECORD 1 2 1894 TO 30 9 1969 ANNUAL MAXIMA
 SIGNIFICANT GAPS
 1 1 1895 TO 31 12 1895 1 1 1897 TO 31 12 1897

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
18 2 1894	0.86	155.66		22 1 1899	2.28	402.60	
16 11 1894	0.91	169.83		19 2 1900	1.14	230.56	
9 3 1896	0.73	122.16		29 12 1900	0.76	128.64	
12 10 1896	0.83	148.74		2 1 1902	1.39	281.27	
1 1 1898	0.76	128.64		9 1 1903	1.11	223.60	

67803

DEE AT CHESTER WEIR

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
29 10 1903	1.44	289.54		16 12 1936	1.54	303.74	
2 5 1905	0.71	115.78		18 1 1938	0.91	169.83	
7 1 1906	0.76	128.64		17 1 1939	1.21	251.77	
3 1 1907	0.83	148.74		9 2 1940	1.14	230.56	
11 12 1907	0.78	135.23		10 2 1941	1.44	289.54	
16 12 1908	0.63	97.36		4 2 1942	0.93	176.35	
28 12 1909	1.14	230.56		2 2 1943	0.83	148.74	
18 12 1910	1.21	251.77		25 1 1944	1.06	209.81	
21 12 1911	0.83	148.74		3 2 1945	1.19	244.65	
16 12 1912	0.86	155.66		9 2 1946	2.59	455.72	
16 2 1914	0.81	141.93		20 3 1947	1.96	358.05	
6 12 1914	1.06	209.81		14 1 1948	1.54	303.74	
29 12 1915	1.09	216.69		7 4 1949	0.83	148.74	
1 11 1916	0.99	189.55		13 2 1950	0.91	169.83	
10 2 1918	0.63	97.36		24 3 1951	0.78	135.23	
8 10 1918	0.91	169.83		29 12 1951	0.99	189.55	
14 1 1920	0.71	115.78		29 10 1952	0.82	145.32	
13 1 1921	0.66	103.38		7 3 1954	0.81	141.93	
28 12 1921	0.76	128.64		1 12 1954	1.24	256.11	
1 3 1923	1.34	272.94		27 1 1956	0.83	148.74	
30 10 1923	1.02	199.61		27 9 1957	0.92	173.09	
3 1 1925	1.27	260.34		12 2 1958	0.90	166.25	
30 12 1925	0.99	189.55		24 1 1959	1.02	199.61	
17 11 1926	0.83	148.74		29 12 1959	1.57	307.15	
18 2 1928	1.11	223.60		5 12 1960	1.44	289.54	
25 11 1928	1.39	281.27		5 12 1961	0.83	148.74	
12 1 1930	1.60	310.55		7 3 1963	0.83	148.74	
1 1 1931	1.06	209.81		27 11 1963	0.83	148.74	
5 11 1931	1.14	230.56		14 12 1964	1.81	338.76	
3 3 1933	0.73	122.16		11 12 1965	1.70	323.97	
19 1 1934	0.66	103.38		5 12 1966	0.99	189.55	
20 12 1934	0.78	135.23		18 1 1968	1.01	196.24	
30 1 1936	0.99	189.55		12 2 1969	0.85	152.19	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1894-1895 1895-1896 1896-1897 1897-1898

68001

WEAVER BELOW ASHBROOK

GRID REF	SJ670633	AREA	609. SQ. KM	MWRA	GRADE	A2	
PERIOD OF RECORD	27 5 1937 TO	3 10 1969		THRESHOLD	25.00 CUMECs		
SIGNIFICANT GAPS							
30 3 1943 TO	5 8 1943	19 8 1943 TO	26 8 1943	23 9 1943 TO	1 10 1943		
20 11 1943 TO	10 12 1943	17 12 1943 TO	24 12 1943	7 1 1944 TO	10 1 1944		
21 2 1944 TO	23 5 1944	31 5 1944 TO	7 6 1944	14 6 1944 TO	20 6 1944		
24 11 1944 TO	5 12 1944	19 12 1945 TO	27 12 1945				
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
14 8 1937	1.70	25.95		24 1 1942	2.25	40.24	
5 12 1937	2.56	48.97		30 1 1942	1.98	32.86	
30 1 1938	1.83	29.11		3 2 1942	3.16	70.74	
				4 3 1942	1.69	25.73	
26 11 1938	1.85	29.73		11 12 1942	1.73	26.69	
7 1 1939	3.13	68.50		22 1 1943	1.90	30.89	
11 1 1939	1.88	30.50		31 1 1943	1.95	32.22	
18 1 1939	1.85	29.73					
28 2 1939	1.95	32.06		23 1 1944	1.79	28.20	2
20 7 1939	1.67	25.22	2				
30 7 1939	1.73	26.69		20 10 1944	1.76	27.44	
				29 10 1944	1.85	29.73	
23 11 1939	1.79	28.20		18 11 1944	1.78	27.74	
27 1 1940	1.92	31.28		24 11 1944	1.88	30.50	2
7 2 1940	3.07	65.64		31 1 1945	3.07	65.64	
20 2 1940	1.88	30.50					
17 3 1940	1.67	25.22		30 10 1945	3.10	67.32	
				8 2 1946	4.89	212.37	
10 11 1940	2.19	38.56		20 9 1946	1.76	27.44	2
12 11 1940	1.85	29.73					
17 11 1940	3.47	89.39		20 11 1946	1.76	27.44	
21 11 1940	2.59	49.87		23 12 1946	1.76	27.44	
22 1 1941	2.04	34.46		12 1 1947	1.70	25.95	
25 1 1941	1.69	25.58		14 3 1947	2.46	46.30	
25 3 1941	2.36	43.24		17 3 1947	2.62	50.78	
				31 3 1947	1.85	29.73	

68001

WEAVER BELOW ASHBROOK

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
8 4 1947	2.04	34.46		17 4 1959	2.54	48.52	
12 1 1948	1.92	31.28		27 12 1959	1.68	25.36	
1 1 1949	1.88	30.50		25 1 1960	2.42	45.06	
5 1 1949	1.67	25.22		30 1 1960	3.16	70.74	
4 3 1949	1.70	25.95	2	20 2 1960	1.81	28.65	
7 3 1949	1.78	27.97		23 9 1960	1.73	26.69	
7 4 1949	2.68	52.61		28 10 1960	2.07	35.27	
10 2 1950	2.19	38.56		2 11 1960	1.70	25.95	
13 2 1950	1.67	25.22		5 11 1960	2.25	40.24	
25 2 1950	2.37	43.67		26 11 1960	1.69	25.58	
17 4 1950	1.95	32.06		4 12 1960	2.98	62.05	5 2
23 11 1950	1.69	25.66		6 1 1961	1.74	26.84	
7 12 1950	2.22	39.40		28 1 1961	1.79	28.20	
19 12 1950	1.81	28.58		2 2 1961	2.04	34.46	
6 1 1951	2.39	44.10		4 2 1961	1.72	26.32	
14 3 1951	2.24	39.82		5 2 1961	1.70	25.95	
17 3 1951	1.93	31.67		26 4 1961	1.70	25.80	
23 3 1951	2.19	38.56		4 9 1961	1.85	29.73	
6 11 1951	2.03	34.21		2 12 1961	1.96	32.46	
9 11 1951	1.67	25.22		5 12 1961	1.75	27.07	
12 11 1951	2.02	34.05		22 1 1962	1.67	25.22	
25 11 1951	2.11	36.33		13 2 1962	1.70	25.95	
5 12 1951	1.98	32.86		20 12 1962	1.61	23.77	
24 12 1951	1.95	32.06		19 11 1963	2.10	36.08	
4 1 1952	1.85	29.73		26 11 1963	2.43	45.42	
10 1 1952	1.70	25.95		24 3 1964	2.43	45.42	
31 1 1952	1.87	30.11		12 12 1964	2.37	43.67	
19 12 1952	2.16	37.73		9 1 1965	2.28	41.09	
10 2 1954	1.98	32.86		22 3 1965	1.75	27.22	
8 6 1954	1.76	27.44		9 5 1965	2.19	38.56	
24 10 1954	2.42	44.89		9 9 1965	2.19	38.56	
6 11 1954	2.95	61.08		25 9 1965	1.85	29.73	
9 11 1954	1.88	30.50		29 11 1965	2.59	49.87	
11 11 1954	1.85	29.73		2 12 1965	1.82	28.96	
23 11 1954	2.16	37.73		5 12 1965	1.75	27.07	
25 11 1954	2.40	44.54		9 12 1965	2.86	58.21	
3 12 1954	2.19	38.56		13 12 1965	1.79	28.20	
9 12 1954	1.95	32.06		19 12 1965	2.91	59.64	
13 12 1954	2.54	48.52		23 12 1965	2.23	39.57	
14 12 1954	2.42	44.98		2 1 1966	2.25	40.24	
11 1 1955	1.75	27.07		20 2 1966	1.82	28.96	
16 1 1955	1.93	31.75		3 4 1966	2.14	37.23	
22 1 1955	1.72	26.32		27 6 1966	1.88	30.50	
26 3 1955	3.45	88.40		21 8 1966	1.81	28.58	
14 1 1956	1.88	30.50		4 10 1966	1.72	26.32	
26 1 1956	2.47	46.56		2 12 1966	3.16	70.74	
18 8 1956	1.76	27.44		6 12 1966	1.73	26.69	
28 8 1956	1.92	31.28		10 12 1966	2.91	59.64	
30 8 1956	1.71	26.10		22 12 1966	2.01	33.65	
29 12 1956	1.97	32.62		23 2 1967	1.88	30.50	
17 9 1957	1.67	25.22		28 2 1967	2.30	41.52	
25 9 1957	3.04	63.99		15 5 1967	2.72	53.99	
5 11 1957	2.16	37.73		25 6 1967	1.76	27.44	
25 1 1958	2.11	36.49		17 10 1967	2.07	35.27	
10 2 1958	2.17	38.14		31 10 1967	2.25	40.24	
25 2 1958	2.19	38.56		3 11 1967	2.19	38.56	
3 7 1958	1.70	25.95		5 11 1967	2.57	49.42	
21 8 1958	1.95	32.06		24 12 1967	1.67	25.22	
15 9 1958	2.37	43.67		26 12 1967	1.98	32.86	2
19 9 1958	1.92	31.28		31 12 1967	1.88	30.50	2
29 9 1958	1.69	25.58		3 1 1968	3.04	63.99	2
4 10 1958	1.96	32.54		6 1 1968	2.65	51.69	2
18 1 1959	2.04	34.46		14 1 1968	2.71	53.53	2
22 1 1959	2.04	34.46		11 2 1968	1.72	26.40	2
				25 3 1968	2.36	43.24	2
				2 7 1968	3.61	99.05	2

68001

WEAVER BELOW ASHBROOK

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
29 10 1968	1.92	31.28		26 4 1969	1.85	29.73	
31 10 1968	1.76	27.44		6 5 1969	3.44	87.41	
2 11 1968	3.52	92.41		10 5 1969	2.01	33.65	
20 1 1969	1.90	30.89		24 5 1969	2.83	57.27	
11 2 1969	2.98	62.05		26 5 1969	3.10	67.32	
22 2 1969	1.95	32.06		30 5 1969	3.81	112.93	
13 3 1969	2.31	41.94					

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
1943-1944

68002

GOWY AT PICTON

GRID REF SJ444714 AREA 156. SQ. KM
PERIOD OF RECORD 26 5 1949 TO 7 10 1969

MWRA THRESHOLD 10.10 GRADE B CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
18 12 1949	1.96	11.47		15 9 1958	2.01	11.94	
5 2 1950	2.15	13.49	6	19 9 1958	2.01	11.94	
9 2 1950	2.17	13.62		23 9 1958	1.88	10.71	
12 2 1950	1.88	10.71		30 9 1958	1.88	10.71	6
25 2 1950	2.31	15.25		3 10 1958	2.08	12.70	
23 3 1950	2.06	12.51		19 12 1958	1.88	10.71	
18 4 1950	1.93	11.16		31 12 1958	2.01	11.94	
22 11 1950	2.08	12.74		22 1 1959	2.04	12.32	2
7 12 1950	2.37	15.92		16 4 1959	2.34	15.60	
18 12 1950	1.82	10.11	1 4	12 5 1959	2.28	14.91	
6 1 1951	2.12	13.09	2 4	8 12 1959	1.92	11.07	
14 3 1951	2.28	14.91	2 4	21 1 1960	2.20	13.95	6
17 3 1951	2.14	13.36		24 1 1960	2.43	16.67	2
21 3 1951	2.02	12.10		28 1 1960	2.49	17.40	6
23 3 1951	2.24	14.39		20 2 1960	2.14	13.36	
8 11 1951	2.12	13.16		22 9 1960	2.18	13.82	6
12 11 1951	2.42	16.53		28 10 1960	1.82	10.11	6
5 12 1951	1.92	11.04		5 11 1960	1.93	11.13	6
24 12 1951	1.90	10.83		17 11 1960	1.97	11.56	6
4 1 1952	2.03	12.19		26 11 1960	2.21	14.16	
31 1 1952	1.95	11.38	6	4 12 1960	2.39	16.17	6
17 12 1952	2.20	14.06	6	9 1 1961	1.82	10.11	
19 12 1952	2.26	14.70		21 1 1961	1.86	10.47	
10 2 1954	2.23	14.29		6 2 1961	1.90	10.83	
25 3 1954	1.98	11.63		21 4 1962	1.81	9.94	
22 10 1954	2.13	13.22		14 2 1963	1.74	9.36	
24 10 1954	2.32	15.39		24 3 1964	2.47	17.11	
6 11 1954	2.59	18.52		12 12 1964	2.11	13.03	
8 11 1954	2.09	12.83		9 1 1965	2.25	14.56	
23 11 1954	2.18	13.75		18 1 1965	1.84	10.23	
25 11 1954	1.88	10.71		22 3 1965	1.83	10.17	
2 12 1954	1.93	11.13		9 5 1965	2.26	14.63	
8 12 1954	1.85	10.41	6	9 9 1965	2.21	14.09	
13 12 1954	2.38	16.10		0.5 FT SUBTRACTED TO ALLOW FOR WEED GROWTH			
16 1 1955	2.07	12.57		1 10 1965	2.16	13.55	
26 3 1955	2.45	16.82	6	29 11 1965	2.43	16.67	
14 1 1956	2.14	13.36	2	9 12 1965	2.47	17.11	
26 1 1956	2.39	16.17		18 12 1965	2.31	15.25	
18 8 1956	2.15	13.42		23 12 1965	2.16	13.55	
28 8 1956	2.26	14.63		19 2 1966	2.04	12.25	
28 12 1956	2.26	14.63		2 4 1966	2.04	12.25	
23 2 1957	1.84	10.29		21 8 1966	1.90	10.89	
25 9 1957	2.58	18.45		2 12 1966	2.53	17.85	
25 1 1958	2.35	15.75		8 12 1966	1.86	10.47	
8 2 1958	2.26	14.70		10 12 1966	2.51	17.55	
23 2 1958	2.12	13.16		24 12 1966	1.91	10.95	
24 2 1958	2.40	16.31		23 2 1967	2.04	12.25	
27 6 1958	1.95	11.32		15 5 1967	2.37	15.96	
2 7 1958	2.04	12.32		23 6 1967	2.07	12.57	

68002

GOWY AT PICTON

DATE	LEVEL	DISCHARGE	NOTE
16 10 1967	1.91	10.95	
31 10 1967	2.16	13.55	
3 11 1967	2.07	12.57	
5 11 1967	2.37	15.89	
26 5 1968	2.53	17.85	
27 5 1968	2.30	15.12	
3 7 1968	2.70	19.98	
1 11 1968	2.35	15.75	

DATE	LEVEL	DISCHARGE	NOTE
20 1 1969	1.84	10.23	
11 2 1969	2.46	17.04	
22 2 1969	1.84	10.29	
13 3 1969	2.26	14.70	
26 4 1969	1.95	11.38	
3 5 1969	1.95	11.38	
6 5 1969	2.68	19.75	
26 5 1969	2.56	18.15	
30 5 1969	2.34	15.60	

68003

DANE AT RUDHEATH

GRID REF SJ668718 AREA 414. SQ.KM
 PERIOD OF RECORD 16 5 1949 TO 3 10 1969
 SIGNIFICANT GAPS
 21 10 1962 TO 14 12 1962

MWRA THRESHOLD 34.90 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
3 12 1949	2.09	43.09	
10 2 1950	3.10	81.57	
24 9 1950	2.02	41.08	
7 12 1950	2.70	64.91	
6 1 1951	2.37	52.48	
14 3 1951	2.32	50.78	
22 3 1951	1.91	37.74	
23 3 1951	2.70	64.91	
5 11 1951	2.56	59.55	
21 11 1951	2.86	71.25	
24 11 1951	2.34	51.62	
5 12 1951	2.40	53.55	
28 12 1951	1.83	35.33	
10 1 1952	2.43	54.86	
11 2 1952	2.19	46.45	
15 4 1952	2.62	61.62	
2 11 1952	1.72	32.23	
20 1 1954	2.68	63.96	
7 3 1954	1.92	37.83	
13 8 1954	2.09	43.09	
20 8 1954	2.02	40.98	
4 10 1954	2.26	48.69	
15 10 1954	1.89	37.10	
22 10 1954	3.13	82.91	
24 10 1954	2.58	60.24	
6 11 1954	2.49	57.07	
8 11 1954	2.04	41.55	
10 11 1954	1.82	35.15	
25 11 1954	2.46	55.96	
3 12 1954	2.92	73.76	
12 12 1954	1.88	36.93	
13 12 1954	2.82	69.76	
10 1 1955	2.07	42.51	
26 3 1955	3.16	84.26	
15 1 1956	1.92	37.83	
26 1 1956	2.49	56.85	
2 3 1956	1.99	40.04	
1 8 1956	2.42	54.20	
4 8 1956	3.04	78.66	
19 8 1956	3.20	85.62	
28 8 1956	2.10	43.48	
12 9 1957	2.13	37.78	
17 9 1957	3.12	65.01	
25 9 1957	2.18	39.00	2
5 11 1957	2.48	46.82	
10 2 1958	2.69	52.49	

DATE	LEVEL	DISCHARGE	NOTE
21 3 1958	2.63	50.88	
23 3 1958	2.39	44.47	
20 9 1958	2.26	41.15	
24 9 1958	2.55	48.71	
5 10 1958	2.07	36.28	
18 1 1959	2.32	42.72	
24 1 1960	2.45	45.92	
30 1 1960	3.08	63.91	
23 9 1960	2.25	40.84	
5 11 1960	2.31	42.49	
4 12 1960	3.84	88.11	2 5
8 4 1962	2.21	37.53	
15 12 1962	2.34	41.63	
20 12 1962	2.45	44.94	
3 9 1963	2.31	40.68	
26 9 1963	2.56	48.58	
19 11 1963	2.40	43.56	
26 11 1963	2.26	38.99	
25 3 1964	2.40	43.56	
13 12 1964	4.14	117.05	
10 1 1965	2.52	47.56	
8 5 1965	3.07	67.71	
14 7 1965	2.13	35.21	
2 8 1965	2.14	35.56	
9 9 1965	3.63	91.69	
26 9 1965	2.35	41.82	
9 12 1965	4.01	110.42	2
18 12 1965	2.43	44.35	2
18 12 1965	2.67	52.59	2
23 12 1965	3.12	69.43	2
3 1 1966	2.20	39.61	
27 6 1966	2.43	45.44	
15 9 1966	2.38	44.31	
2 12 1966	2.17	38.92	
10 12 1966	2.73	53.78	
15 5 1967	2.02	35.10	
3 10 1967	2.25	40.84	
17 10 1967	2.52	47.89	
5 11 1967	2.86	57.52	
25 12 1967	2.16	38.54	
14 1 1968	2.99	61.36	
2 7 1968	3.29	70.25	
1 10 1968	2.07	36.28	
28 10 1968	2.02	35.10	

68003

DANE AT RUDHEATH

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
2 11 1968	3.22	68.18		6 5 1969	2.82	56.20	
11 2 1969	2.46	46.41					

68004

VALLEY WISTASTON BK AT MARSHFIELD BRIDGE

GRID REF	SJ673552	AREA	88.1	SQ. KM	MWRA	THRESHOLD	6.30	GRADE	A2
PERIOD OF RECORD	1 10 1957 TO	3 10 1969						CUMECS	
SIGNIFICANT GAPS	26 2 1963 TO	2 3 1963	10 3 1963 TO	23 3 1963					

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 11 1957	1.29	7.87		2 1 1966	1.74	8.92	
25 1 1958	1.29	7.87	2	2 4 1966	1.66	8.32	
10 2 1958	1.17	7.05	2	27 6 1966	1.41	6.63	
24 2 1958	1.32	8.10	2	21 8 1966	1.52	7.36	
20 8 1958	1.09	6.53					
				4 10 1966	1.42	6.69	
4 10 1958	1.06	6.32		2 12 1966	1.76	9.07	
17 1 1959	1.21	7.36		10 12 1966	1.95	10.42	
22 1 1959	1.08	6.43	1	27 2 1967	1.63	8.10	
16 4 1959	1.70	10.85		14 5 1967	1.76	9.07	
				24 6 1967	1.67	8.38	
24 1 1960	1.34	8.23					
30 1 1960	1.88	12.21		3 10 1967	1.64	8.21	
				16 10 1967	1.53	7.40	
5 11 1960	1.10	6.59		31 10 1967	1.45	6.90	
3 12 1960	1.96	12.79		5 11 1967	1.95	10.44	
2 2 1961	1.13	6.78		11 12 1967	1.51	7.32	
3 9 1961	1.69	10.73		22 12 1967	1.59	7.87	2
				25 12 1967	1.99	10.73	
1 12 1961	0.86	4.98	2	31 12 1967	1.39	6.47	
				3 1 1968	2.43	14.07	
20 12 1962	0.74	4.20	2	6 1 1968	2.05	11.18	
				14 1 1968	2.70	16.19	
18 11 1963	1.34	8.21		22 6 1968	1.58	7.78	
26 11 1963	1.47	9.18		28 6 1968	1.67	8.62	
24 3 1964	1.25	7.61		2 7 1968	2.39	13.72	
				16 8 1968	1.46	6.94	
12 12 1964	1.98	10.62					
9 1 1965	1.76	9.07	2	28 10 1968	1.43	6.73	
10 5 1965	1.53	7.42		2 11 1968	2.33	13.27	
2 8 1965	1.37	6.36		11 2 1969	1.93	10.29	
8 9 1965	1.95	10.40		6 5 1969	2.24	12.62	
				24 5 1969	2.06	11.27	
29 11 1965	1.75	8.97		26 5 1969	1.85	9.73	
9 12 1965	2.16	12.00		30 5 1969	2.57	15.13	
18 12 1965	2.19	12.23		21 8 1969	1.76	9.07	
22 12 1965	1.60	7.91					

68005

WEAVER AT AUDLEM

GRID REF	SJ652432	AREA	262.	SQ. KM	MWRA	THRESHOLD	10.30	GRADE	B
PERIOD OF RECORD	19 6 1936 TO	3 10 1969						CUMECS	

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
16 11 1936	46.00	12.10	1	8 2 1940	46.87	29.99	1
14 12 1936	46.87	29.99	1	20 2 1940	46.29	16.91	1
19 1 1937	46.25	16.06	1				
8 2 1937	46.08	13.25	1	17 11 1940	47.00	33.32	1
25 2 1937	46.26	16.34	1	22 11 1940	46.72	26.11	1
2 3 1937	45.99	11.88	1	27 1 1941	46.00	12.10	1
				7 2 1941	45.99	11.88	1
5 12 1937	46.60	23.24	1	15 2 1941	45.93	11.01	1
				26 3 1941	45.97	11.66	1
2 1 1939	46.11	13.72	1				
19 1 1939	46.08	13.25	1	25 1 1942	46.16	14.45	1
20 7 1939	46.75	26.86	1	4 2 1942	46.72	26.11	1
26 7 1939	46.26	16.34	1				
30 7 1939	46.32	17.49	1	11 12 1942	46.17	14.70	1
				6 1 1943	46.08	13.25	1
23 11 1939	46.04	12.55	1	12 1 1943	46.05	12.78	1
				22 1 1943	46.19	14.97	1

68005

WEAVER AT AUDLEM

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
31 1 1943	46.39	18.68	1	26 3 1955	2.66	29.58	
13 11 1943	46.02	12.32	1	14 1 1956	1.78	11.66	
19 1 1944	46.00	12.10	1	26 1 1956	2.24	19.61	
23 1 1944	46.32	17.49	1	28 12 1956	2.17	18.38	
29 10 1944	46.29	16.91	1	25 9 1957	2.77	32.46	
25 11 1944	45.99	11.88	1	5 11 1957	2.07	16.34	
28 11 1944	45.91	10.80	1	10 2 1958	2.04	15.78	
2 2 1945	46.46	20.24	1	23 2 1958	2.16	18.08	
29 10 1945	46.81	28.40	1	24 2 1958	2.13	17.49	
8 2 1946	47.35	44.08	1	2 7 1958	1.73	11.01	
20 9 1946	46.32	17.49	1	15 9 1958	2.59	27.62	
20 11 1946	46.13	13.96	1	19 9 1958	1.98	14.70	
11 12 1946	45.93	11.01	1	4 10 1958	2.01	15.24	
23 12 1946	46.31	17.20	1	19 12 1958	1.79	11.88	
8 1 1947	46.13	13.96	1	1 1 1959	1.90	13.48	
12 1 1947	46.16	14.45	1	18 1 1959	1.98	14.70	
13 3 1947	46.78	27.62	1	22 1 1959	2.19	18.68	
18 3 1947	46.90	30.80	1	16 4 1959	2.65	29.19	
31 3 1947	46.37	18.38		9 12 1959	2.11	17.20	
5 4 1947	45.93	11.01		26 12 1959	1.98	14.70	
8 4 1947	46.66	24.65		24 1 1960	2.54	26.48	
7 1 1948	1.78	11.66	1	28 1 1960	2.71	30.80	
11 1 1948	2.07	16.34	1	16 9 1960	1.82	12.32	
1 1 1949	2.19	18.68		22 9 1960	1.84	12.55	
4 3 1949	1.72	10.80		28 10 1960	2.04	15.78	
7 3 1949	2.01	15.24		4 11 1960	2.22	19.30	
6 4 1949	2.56	27.01		4 12 1960	2.56	26.86	
9 2 1950	1.79	11.88		28 1 1961	1.79	11.88	
12 2 1950	1.82	12.32		1 2 1961	1.73	11.01	
20 2 1950	1.76	11.44		26 4 1961	1.73	11.01	
25 2 1950	2.49	25.37		3 9 1961	2.25	19.92	
24 9 1950	1.73	11.01		2 12 1961	2.04	15.78	
1 10 1950	1.70	10.59		5 12 1961	1.72	10.80	
22 11 1950	1.73	11.01		20 12 1962	1.35	7.00	
29 11 1950	1.73	11.01		19 11 1963	1.87	13.01	
7 12 1950	2.16	18.08		26 11 1963	2.46	24.65	
6 1 1951	2.48	25.01		25 3 1964	2.40	23.24	
13 3 1951	1.85	12.78		13 12 1964	1.95	14.21	
17 3 1951	1.92	13.72		9 1 1965	2.31	21.21	
23 3 1951	2.34	21.88		26 3 1965	1.79	11.88	
6 11 1951	1.88	13.25		22 7 1965	1.79	11.88	
11 11 1951	1.72	10.80		8 9 1965	2.07	16.34	
12 11 1951	1.96	14.45		26 9 1965	1.82	12.32	
24 11 1951	1.93	13.96		29 11 1965	2.25	19.92	
5 12 1951	1.72	10.80		2 12 1965	1.85	12.78	
24 12 1951	2.08	16.62		5 12 1965	1.79	11.88	
29 12 1951	1.78	11.66		9 12 1965	2.24	19.61	
4 1 1952	1.85	12.78		20 12 1965	2.43	23.94	
31 1 1952	1.85	12.78		23 12 1965	2.02	15.51	
17 12 1952	2.07	16.34		2 1 1966	2.13	17.49	
19 12 1952	2.31	21.21		21 2 1966	1.79	11.88	
22 1 1954	1.73	11.01		2 4 1966	1.82	12.32	
10 2 1954	2.16	18.08		21 8 1966	1.92	13.72	
20 8 1954	1.95	14.21	8 2	4 10 1966	1.72	10.80	
24 10 1954	2.34	21.88		6 11 1966	1.82	12.32	
27 10 1954	1.92	13.72		2 12 1966	2.75	32.04	
6 11 1954	2.48	25.01		24 12 1966	1.95	14.21	
10 11 1954	1.98	14.70		23 2 1967	1.79	11.88	
23 11 1954	2.16	18.08		28 2 1967	2.46	24.65	
25 11 1954	2.16	18.08		15 5 1967	2.48	25.01	
3 12 1954	1.99	14.97		28 5 1967	1.70	10.59	
9 12 1954	1.92	13.72		17 10 1967	1.98	14.70	
13 12 1954	2.10	16.91		31 10 1967	2.31	21.21	
21 1 1955	1.98	14.70					

2

68005

WEAVER AT AUDLEM

DATE	LEVEL	DISCHARGE	NOTE
3 11 1967	1.82	12.32	
6 11 1967	2.40	23.24	
2 1 1968	2.83	34.18	2
6 1 1968	2.17	18.38	2
14 1 1968	2.62	28.40	2
27 5 1968	1.76	11.44	
2 7 1968	2.89	35.95	
15 7 1968	1.70	10.59	

DATE	LEVEL	DISCHARGE	NOTE
28 10 1968	2.14	17.78	
31 10 1968	1.81	12.10	
2 11 1968	2.62	28.40	
11 2 1969	2.66	29.58	
22 2 1969	1.93	13.96	
13 3 1969	2.13	17.49	
6 5 1969	2.77	32.46	
26 5 1969	2.72	31.21	
30 5 1969	2.62	28.40	

68006

DANE AT HULME WALFIELD

GRID REF SJ844644 AREA 152. SQ.KM
 PERIOD OF RECORD 14 8 1953 TO 3 10 1969

MWRA THRESHOLD 31.00 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
20 1 1954	1.98	51.06	
6 3 1954	1.67	38.15	
20 8 1954	1.72	40.19	
30 9 1954	1.49	31.14	
3 10 1954	1.76	41.75	
14 10 1954	1.57	34.20	
22 10 1954	2.46	82.71	
24 10 1954	1.67	38.15	
25 11 1954	1.77	42.27	
2 12 1954	2.26	67.28	
13 12 1954	2.03	53.37	
26 3 1955	1.89	47.13	
21 1 1956	1.60	35.17	
26 1 1956	1.65	37.14	
2 3 1956	1.70	39.16	
17 7 1956	1.57	34.20	
1 8 1956	1.99	51.63	
3 8 1956	2.34	73.81	4 5
18 8 1956	2.27	68.19	
11 8 1957	1.71	39.67	
16 9 1957	2.08	55.72	
25 9 1957	1.52	32.30	
4 11 1957	1.77	42.27	
21 2 1958	1.87	46.58	
23 2 1958	1.49	31.14	
19 9 1958	1.87	46.58	
23 9 1958	1.86	46.03	
5 10 1958	1.49	31.14	
30 1 1960	1.82	44.40	
22 9 1960	1.68	38.65	
5 11 1960	1.49	31.14	
3 12 1960	2.41	78.68	
3 9 1961	1.47	32.10	
10 10 1961	1.62	39.21	
30 11 1961	1.56	36.16	

DATE	LEVEL	DISCHARGE	NOTE
7 4 1962	1.49	33.23	
11 9 1962	1.54	35.56	
15 12 1962	1.79	47.73	
20 12 1962	1.75	45.69	
10 5 1963	1.49	33.23	
3 9 1963	1.79	47.73	
26 9 1963	1.96	57.85	
24 3 1964	1.51	33.81	
12 12 1964	2.59	114.10	
9 1 1965	1.37	31.13	
8 5 1965	2.33	92.31	
14 7 1965	1.65	43.41	
2 8 1965	1.72	49.77	
5 9 1965	1.40	32.91	
8 9 1965	2.67	122.31	
25 9 1965	1.39	32.31	
9 12 1965	2.48	105.09	
17 12 1965	1.49	37.30	
18 12 1965	1.63	44.70	
22 12 1965	1.52	38.60	
27 6 1966	1.58	41.93	
28 7 1966	1.42	33.52	
21 8 1966	1.37	31.13	
14 9 1966	2.03	69.33	
29 11 1966	1.44	34.76	
9 12 1966	1.60	42.61	
3 10 1967	1.82	55.91	
16 10 1967	1.67	46.84	
5 11 1967	1.72	49.77	
24 12 1967	1.39	32.31	
14 1 1968	2.13	76.61	2
2 7 1968	2.23	84.26	2
2 10 1968	1.54	39.91	
28 10 1968	1.60	42.61	
1 11 1968	1.82	55.91	
6 5 1969	1.52	38.60	
2 6 1969	1.49	37.30	

68007

WINCHAM BROOK AT LOBTOCK GRALAM

GRID REF SJ698757 AREA 148. SQ.KM
 PERIOD OF RECORD 1 10 1963 TO 3 10 1969

MWRA THRESHOLD 11.20 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
25 3 1964	1.98	18.68	
13 12 1964	2.89	32.09	4
8 5 1965	1.76	12.01	
9 9 1965	2.43	20.77	

DATE	LEVEL	DISCHARGE	NOTE
26 9 1965	1.70	11.29	
29 11 1965	1.95	14.39	2
9 12 1965	2.67	24.15	
18 12 1965	2.22	17.82	

68007

WINCHAM BROOK AT LOSTOCK GRALAM

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
23 12 1965	2.16	17.05		25 12 1967	2.03	19.38	2
2 1 1966	1.70	11.36		14 1 1968	2.10	20.43	2
2 4 1966	2.07	15.86		13 2 1968	1.39	11.29	
27 6 1966	2.04	15.47		1 7 1968	1.45	12.01	
21 8 1966	1.89	13.67		2 7 1968	2.48	25.80	
14 9 1966	1.71	11.51					
				1 10 1968	1.45	12.01	
4 10 1966	1.96	14.55		2 11 1968	2.59	27.53	
2 12 1966	1.98	14.70		20 1 1969	1.53	12.89	
9 12 1966	2.59	22.92		11 2 1969	2.11	20.47	
				6 5 1969	2.37	24.23	
16 10 1967	1.64	14.32		30 5 1969	2.42	24.86	

68801

DANE AT CONGLETON PARK

GRID REF SJ861632 AREA 143. SQ.KM MWRA GRADE C
 PERIOD OF RECORD 20 7 1936 TO 3 10 1969 THRESHOLD 21.00 CUMECs
 SIGNIFICANT GAPS
 28 3 1938 TO 2 5 1938 9 12 1938 TO 27 1 1939 29 11 1944 TO 6 12 1944
 24 1 1951 TO 7 2 1951 4 5 1953 TO 15 2 1968

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
8 9 1936	0.55	31.36		10 7 1944	0.83	29.35	
				2 9 1944	0.78	25.47	
19 10 1936	0.43	21.78					
24 10 1936	0.48	25.47		20 10 1944	0.83	29.35	
26 10 1936	0.48	25.47		23 11 1944	0.78	25.47	
31 10 1936	0.45	23.60		27 11 1944	0.91	35.50	
15 11 1936	0.81	53.70		17 12 1944	0.78	25.47	
16 11 1936	0.60	35.50		18 1 1945	0.76	23.60	
8 12 1936	0.48	25.47		31 1 1945	0.88	33.41	
14 12 1936	0.55	31.36		1 2 1945	0.78	25.47	
5 1 1937	0.64	38.72		3 2 1945	0.77	24.53	
18 1 1937	0.48	25.47		13 2 1945	0.77	24.53	
25 2 1937	0.53	29.35					
17 3 1937	0.49	26.42		29 10 1945	0.93	37.64	
17 4 1937	0.62	36.57		8 2 1946	1.32	74.25	
15 7 1937	0.50	27.39		23 2 1946	0.96	39.82	
				26 7 1946	0.93	37.64	
2 12 1937	0.48	25.47		31 8 1946	0.92	36.57	
10 7 1938	0.52	28.36		2 9 1946	0.81	27.39	
				4 9 1946	0.77	24.53	
3 10 1938	0.48	25.47		20 9 1946	1.39	82.51	
13 10 1938	0.48	25.47					
25 11 1938	0.60	35.50		18 11 1946	0.92	24.53	
27 11 1938	0.50	27.39		20 11 1946	0.99	29.35	
29 7 1939	0.58	33.41		13 3 1947	1.01	31.36	
				16 3 1947	1.05	34.45	
18 11 1939	0.63	37.64		17 3 1947	1.04	33.41	
25 11 1939	0.49	26.42		19 3 1947	1.01	31.36	
29 11 1939	0.48	25.47		21 3 1947	0.96	27.39	
8 12 1939	0.53	29.35		8 4 1947	0.96	27.39	
31 10 1940	0.80	26.42		12 11 1947	0.88	33.41	
17 11 1940	0.97	40.92		1 1 1948	0.86	31.36	
22 11 1940	0.78	25.47		7 1 1948	0.83	29.35	
9 2 1941	0.83	29.35		9 1 1948	0.83	29.35	
25 3 1941	0.85	30.35		10 1 1948	0.88	33.41	
				12 1 1948	1.05	47.75	
9 10 1941	0.93	37.64		11 8 1948	0.90	34.45	
24 1 1942	0.76	23.60		18 8 1948	0.83	29.35	
3 2 1942	0.77	24.53					
				13 11 1948	0.76	23.60	
17 10 1942	1.01	44.29		1 1 1949	0.76	23.60	
22 10 1942	0.81	27.39		6 4 1949	0.88	33.41	
1 1 1943	0.95	38.72					
12 1 1943	0.78	25.47		2 12 1949	0.77	24.53	
10 5 1943	0.78	25.47		10 2 1950	0.93	37.64	
1 9 1943	0.87	32.38		24 9 1950	0.77	24.53	
28 11 1943	0.83	29.35		7 12 1950	0.83	29.35	
3 1 1944	0.81	27.39		6 1 1951	0.81	27.39	
9 1 1944	0.83	29.35		23 3 1951	0.78	25.47	
22 1 1944	0.97	40.92					

68801 DANE AT CONGLETON PARK

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 11 1951	0.93	37.64		2 7 1968	0.56	29.39	
21 11 1951	0.91	35.50		23 9 1968	0.48	23.64	
24 11 1951	0.83	29.35					
5 12 1951	0.83	29.35		1 10 1968	0.54	27.74	
10 1 1952	0.82	28.36		28 10 1968	0.57	29.87	
14 4 1952	0.78	25.47		2 11 1968	0.55	28.44	
				3 6 1969	0.50	24.75	
2 11 1952	0.80	26.42					
RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM							
1937-1938	1938-1939	1952-1953	1953-1954	1954-1955	1955-1956	1956-1957	1957-1958
1958-1959	1959-1960	1960-1961	1961-1962	1962-1963	1963-1964	1964-1965	1965-1966
1966-1967							

68802 SANDERSONS BROOK AT SANDBACH

GRID REF	SJ753653	AREA	5.4 SQ. KM	RRL THRESHOLD	0.54 CUMECS	GRADE	A1
PERIOD OF RECORD	20	8 1964 TO	30 9 1969				
SIGNIFICANT GAPS							
24 3 1965 TO	11 5 1965	13 8 1969 TO	30 9 1969				
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
12 12 1964		1.25	2	11 5 1967		0.86	
9 1 1965		0.57	2	14 5 1967		1.29	
2 8 1965		0.65		19 5 1967		1.09	
8 9 1965		1.14					
25 9 1965		0.65		3 10 1967		0.82	
				5 11 1967		0.96	
29 11 1965		0.83		25 12 1967		0.59	
2 12 1965		0.57		1 1 1968		0.74	
5 12 1965		0.58		14 1 1968		0.62	
9 12 1965		1.44		24 3 1968		0.58	
18 12 1965		1.02		1 7 1968		0.74	
22 12 1965		0.54		2 7 1968		1.86	
2 1 1966		0.67					
1 4 1966		0.61		31 10 1968		0.54	
22 6 1966		0.58		2 11 1968		1.73	
27 6 1966		0.66		11 2 1969		1.14	
				6 5 1969		1.52	
1 12 1966		0.69		26 5 1969		0.62	
9 12 1966		0.86		30 5 1969		1.32	

69001 MERSEY AT IRLAM WEIR

GRID REF	SJ726937	AREA	679. SQ. KM	MWRA THRESHOLD	87.76 CUMECS	GRADE	A2
PERIOD OF RECORD	28	9 1934 TO	6 10 1969				
SIGNIFICANT GAPS							
3 1 1939 TO	24 1 1939	24 12 1940 TO	30 12 1940	30 12 1941 TO	12 1 1942		
19 1 1942 TO	30 1 1942	23 1 1945 TO	31 1 1945				
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
16 2 1935		118.88		27 11 1938		99.65	
				31 12 1938		164.20	
9 10 1935		102.90		29 7 1939		127.39	
29 10 1935		109.71					
30 10 1935		88.14		26 11 1939		186.85	
15 11 1935		99.52		29 11 1939		152.87	
17 11 1935		111.42		4 12 1939		138.72	
8 9 1936		99.52		8 12 1939		147.21	
9 11 1936		91.47		12 11 1940		147.21	
17 11 1936		132.25		18 11 1940		94.56	
14 12 1936		104.94		22 11 1940		115.22	
6 1 1937		138.06		30 12 1940		105.60	
17 4 1937		92.14		27 2 1941		89.46	
				25 3 1941		192.51	
10 7 1938		136.12		23 6 1941		130.23	2
				CANAL BREACHED AT DISLEY			
4 10 1938		91.81		18 10 1941		234.97	4
13 10 1938		155.71		22 7 1942		93.71	
26 11 1938		152.87					

69001

MERSEY AT IRLAM WEIR

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 10 1942		153.44		30 9 1954		127.39	
22 10 1942		181.18					
1 1 1943		155.71		3 10 1954		147.21	
1 9 1943		99.08		15 10 1954		129.66	
				22 10 1954		193.92	
10 1 1944		106.16		6 11 1954		144.38	
23 1 1944		266.11		9 11 1954		130.23	
29 5 1944		89.18		3 12 1954		174.11	
				14 12 1954		113.24	
20 10 1944		96.25		23 12 1954		121.17	
20 11 1944		141.55		10 1 1955		108.99	
24 11 1944		162.78		26 3 1955		126.55	
28 11 1944		169.86					
18 12 1944		97.67		21 1 1956		116.92	
18 1 1945		158.54		26 1 1956		90.59	
31 1 1945		122.30	2	2 8 1956		142.68	
2 2 1945		145.80	2	5 8 1956		88.33	
13 2 1945		147.21	2	16 8 1956		91.16	
2 4 1945		107.58		19 8 1956		213.74	
29 8 1945		93.42					
				17 3 1957		87.76	
26 10 1945		146.08		13 9 1957		150.04	
29 10 1945		186.85		17 9 1957		151.46	
31 1 1946		109.84					
3 2 1946		94.84		29 10 1957		121.73	
8 2 1946		266.11	4	5 11 1957		114.94	
23 2 1946		162.78		1 1 1958		159.67	
26 7 1946		184.02		10 2 1958		107.29	
20 9 1946		220.82		15 2 1958		111.82	
				2 7 1958		141.55	
18 11 1946		103.61					
20 11 1946		97.67		1 1 1959		130.23	
13 1 1947		97.67		17 1 1959		89.46	
13 3 1947		135.89		22 1 1959		105.03	
16 3 1947		91.72					
19 3 1947		90.03		24 1 1960		90.59	
21 3 1947		87.76		31 1 1960		133.06	
24 3 1947		96.25		22 9 1960		90.59	
8 4 1947		90.31					
				26 11 1960		142.97	2
12 11 1947		159.95		4 12 1960		223.65	
7 1 1948		108.43		21 1 1961		97.39	
9 1 1948		90.31					
12 1 1948		253.37	5	17 10 1961		105.31	
23 8 1948		100.78		30 11 1961		130.23	
				23 8 1962		90.03	
7 4 1949		108.14					
				15 12 1962		116.64	
3 12 1949		106.45		26 9 1963		133.06	
17 12 1949		91.72					
2 1 1950		96.25		14 11 1963		90.59	
10 2 1950		154.29		21 11 1963		139.29	
24 9 1950		127.96					
				13 12 1964		239.22	
7 12 1950		114.37		9 1 1965		104.75	4
7 1 1951		103.61		16 1 1965		99.93	
18 1 1951		103.61		9 3 1965		148.63	
14 3 1951		93.14		10 9 1965		234.97	
23 3 1951		145.80					
				1 10 1965		101.92	
5 11 1951		97.10		25 11 1965		90.88	
24 11 1951		158.54		9 12 1965		226.48	
5 12 1951		172.69		18 12 1965		130.23	
8 12 1951		123.15		23 12 1965		138.72	
24 12 1951		95.12		8 2 1966		158.54	
28 12 1951		107.58		27 6 1966		155.71	
10 1 1952		181.18		21 8 1966		93.42	
10 2 1952		105.60		14 9 1966		141.27	
15 4 1952		155.71					
				30 11 1966		99.08	
29 3 1953		129.09		2 12 1966		99.37	
12 7 1953		101.92		20 12 1966		153.44	
31 8 1953		105.31					
				3 10 1967		96.25	
8 11 1953		95.69		17 10 1967		158.54	
21 1 1954		217.99		14 1 1968		203.83	

69001 MERSEY AT IRLAM WEIR

DATE	LEVEL	DISCHARGE	NOTE
17 1 1968		124.85	
2 7 1968		158.54	
21 9 1968		152.87	
24 9 1968		147.21	
2 10 1968		169.86	

DATE	LEVEL	DISCHARGE	NOTE
2 11 1968		134.47	
21 1 1969		127.39	
31 3 1969		142.12	
15 4 1969		130.23	
3 6 1969		99.37	

69002 IRWELL AT ADELPHI WEIR

GRID REF SJ824988 AREA 559. SQ.KM
 PERIOD OF RECORD 11 11 1935 TO 6 10 1969
 SIGNIFICANT GAPS 16 12 1940 TO 11 2 1941 22 11 1960 TO

MWRA THRESHOLD 108.00 CUMECs GRADE C
 5 12 1960 30 1 1961 TO 6 2 1961

DATE	LEVEL	DISCHARGE	NOTE
15 11 1935		138.54	
30 11 1935		111.33	
28 1 1936		143.77	
8 9 1936		129.15	
19 10 1936		121.89	
24 10 1936		133.84	
26 10 1936		116.73	
9 11 1936		151.66	
10 11 1936		281.12	
11 11 1936		117.76	
16 11 1936		127.59	
14 12 1936		377.19	
6 1 1937		308.72	
15 2 1937		108.00	
17 2 1937		132.79	
1 6 1938		99.84	
2 10 1938		158.26	
3 10 1938		229.56	
8 10 1938		213.22	
12 10 1938		172.87	
25 11 1938		117.76	
5 12 1938		156.94	
1 1 1939		138.54	
7 1 1939		135.40	
14 1 1939		188.92	
18 1 1939		116.22	
27 2 1939		191.61	
29 7 1939		162.24	
25 11 1939		186.24	
28 11 1939		170.20	
4 12 1939		108.00	
8 12 1939		138.54	
28 2 1940		127.07	
17 9 1940		119.83	
2 11 1940		131.23	
9 11 1940		138.54	
11 11 1940		224.10	
25 3 1941		130.19	
13 8 1941		112.62	
9 10 1941		115.19	
18 10 1941		205.10	
10 2 1942		118.28	
22 7 1942		120.34	
11 8 1942		119.83	
9 10 1942		167.54	
17 10 1942		186.24	
22 10 1942		146.40	
11 12 1942		143.77	
1 1 1943		130.71	
22 1 1944		246.00	

DATE	LEVEL	DISCHARGE	NOTE
28 11 1944		164.89	
CORRECTED FOR USE OF DIFFERENT CHART			
2 12 1944		128.11	
CORRECTED FOR USE OF DIFFERENT CHART			
19 1 1945		143.77	
2 2 1945		249.11	
4 2 1945		174.33	
26 10 1945		174.33	
29 10 1945		150.67	
31 1 1946		119.45	
3 2 1946		130.26	
8 2 1946		231.71	
23 2 1946		137.69	
31 8 1946		162.66	
1 9 1946		164.51	
20 9 1946		495.75	
17 3 1947		101.08	
11 11 1947		271.80	2 4
1 1 1948		131.41	
10 1 1948		253.12	2 4
12 1 1948		253.12	2 4
27 5 1949		101.86	
10 2 1950		142.70	
23 3 1950		112.58	
23 8 1950		201.45	
6 9 1950		+2902.	
24 9 1950		112.27	
28 11 1950		111.37	
6 1 1951		110.31	
22 3 1951		108.02	
5 12 1951		+2090.	
8 12 1951		230.23	
24 12 1951		111.07	
28 12 1951		173.86	
10 1 1952		127.07	9
10 8 1952		125.91	
28 10 1952		117.37	
4 11 1952		127.36	
31 8 1953		188.52	
30 9 1953		120.04	
2 11 1953		108.02	
8 11 1953		108.02	
14 11 1953		181.40	
20 1 1954		378.02	
6 3 1954		157.57	
27 7 1954		114.08	
2 8 1954		108.02	
21 8 1954		122.99	
15 10 1954		152.96	

69002

IRWELL AT ADELPHI WEIR

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
23 10 1954		163.58					
24 10 1954		122.99		3 10 1963		127.65	
26 10 1954		216.49		21 11 1963		230.72	
5 11 1954		115.28		18 7 1964		287.64	
8 11 1954		141.57		18 7 1964		128.81	
10 11 1954		170.11					
11 11 1954		110.46		9 1 1965		108.33	
24 11 1954		108.02		16 1 1965		125.62	
10 12 1954		139.76		10 9 1965		137.12	
23 12 1954		128.23					
10 1 1955		130.55		25 11 1965		200.01	
				2 12 1965		108.02	
21 1 1956		152.51		6 12 1965		118.56	
1 8 1956		295.35		9 12 1965		320.08	
18 8 1956		115.88		17 12 1965		197.60	
26 8 1956		204.83		22 12 1965		178.09	
				29 12 1965		115.58	
13 9 1957		152.05		5 2 1966		123.87	
16 9 1957		118.56		8 2 1966		306.60	
				20 2 1966		141.57	
28 10 1957		137.40		27 6 1966		162.19	
29 10 1957		212.10		21 8 1966		112.58	
31 10 1957		117.07		14 9 1966		134.85	
31 12 1957		227.76					
10 2 1958		124.45		3 10 1966		116.18	
11 2 1958		111.07		29 11 1966		108.02	
14 2 1958		143.38		1 12 1966		128.81	
15 2 1958		114.38		19 12 1966		141.57	
22 8 1958		120.04		27 2 1967		238.15	
				25 6 1967		126.64	
13 10 1958		114.08		14 8 1967		108.02	
1 1 1959		109.85		18 8 1967		159.88	
26 10 1959		176.21	5	1 10 1967		208.22	
27 12 1959		118.26		3 10 1967		135.13	
29 1 1960		128.81		16 10 1967		286.61	
27 8 1960		126.78		5 11 1967		240.13	
				13 1 1968		196.64	
21 1 1961		109.55		17 1 1968		173.39	
				18 1 1968		125.91	
17 10 1961		251.62		19 3 1968		119.15	
4 12 1961		131.12		1 7 1968		127.07	
10 12 1961		125.04		2 7 1968		171.04	
12 2 1962		132.56		3 7 1968		113.78	
7 4 1962		108.63		20 9 1968		251.62	
23 8 1962		122.40		23 9 1968		254.63	
26 8 1962		221.87					
				1 10 1968		271.80	
11 12 1962		120.04		2 11 1968		133.42	
15 12 1962		152.05		20 1 1969		127.36	
20 12 1962		108.02		31 3 1969		114.08	
26 9 1963		256.64		2 6 1969		119.75	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
1940-1941 1960-1961

69003

IRK AT SCOTLAND WEIR

GRID REF	SJ843992	AREA	74.3	SQ. KM	MWRA	GRADE	A1
PERIOD OF RECORD	1 10 1949 TO	6 10 1969			THRESHOLD	18.40 CUMECS	
SIGNIFICANT GAPS							
1 10 1949 TO	16 10 1949	20 3 1950 TO	3 4 1950	21 8 1950 TO	11 9 1950		
25 9 1950 TO	2 10 1950	23 10 1950 TO	13 11 1950	4 12 1950 TO	12 12 1950		
3 12 1951 TO	10 12 1951	24 12 1951 TO	2 1 1952	31 3 1952 TO	21 4 1952		
4 8 1952 TO	11 8 1952	27 10 1952 TO	17 11 1952	15 12 1952 TO	29 12 1952		
27 1 1953 TO	10 12 1954	30 12 1957 TO	6 1 1958	1 7 1963 TO	8 7 1963		
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
6 11 1949		22.65					
3 12 1949		18.41		6 1 1951		19.82	
16 12 1949		21.24					
25 12 1949		18.41		10 1 1952		18.69	
9 2 1950		27.18					
12 2 1950		18.41		10 1 1955		19.82	
24 9 1950		21.52					

69003

IRK AT SCOTLAND WEIR

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
21 1 1956		25.48		18 2 1966		19.82	
28 1 1956		19.82		1 4 1966		22.65	
25 4 1956		18.41		6 5 1966		19.82	
5 7 1956		19.82		11 5 1966		22.65	
28 7 1956		18.41		22 6 1966		22.65	
1 8 1956		39.64		27 6 1966		28.32	
18 8 1956		36.81		13 8 1966		19.82	
13 9 1957		31.15		21 8 1966		39.64	
28 10 1957		18.41		13 9 1966		22.65	
28 8 1958		20.39		14 9 1966		33.98	
19 9 1958		26.33		3 10 1966		29.73	
12 5 1959		15.57		29 11 1966		19.82	
26 10 1959		38.23		1 12 1966		19.82	
19 1 1960		19.82		19 12 1966		18.41	
29 8 1960		20.67		27 2 1967		28.32	
22 9 1960		22.65		11 5 1967		45.31	
26 11 1960		22.65		14 5 1967		18.41	
3 12 1960		39.64		24 6 1967		33.98	
21 1 1961		22.65		25 6 1967		56.63	
3 8 1961		24.07		13 7 1967		33.98	
2 9 1961		53.80		14 7 1967		18.41	
17 10 1961		39.64		19 7 1967		19.82	
29 11 1961		39.64		18 8 1967		24.07	
23 8 1962		22.65		3 9 1967		22.65	
26 8 1962		22.09		20 9 1967		19.82	
11 8 1963		23.22		1 10 1967		25.48	
25 9 1963		42.47		2 10 1967		22.65	
21 11 1963		36.81		16 10 1967		56.63	
14 3 1964		19.82		15 11 1967		22.65	
31 5 1964		20.95		13 1 1968		39.64	
18 7 1964		25.48		16 1 1968		24.07	
9 10 1964		19.82		17 1 1968		22.65	
8 12 1964		28.32		19 3 1968		22.65	
12 12 1964		50.97		24 3 1968		22.65	
9 1 1965		25.48		26 5 1968		19.82	
8 5 1965		28.32		23 6 1968		18.97	
13 7 1965		48.70		1 7 1968		42.47	
23 7 1965		22.65		2 7 1968		48.14	
8 9 1965		22.65		3 7 1968		29.73	
10 9 1965		49.55		21 9 1968		39.64	
25 11 1965		18.69		23 9 1968		42.47	
6 12 1965		25.48		1 10 1968		38.23	
9 12 1965		50.97		12 10 1968		25.48	
17 12 1965		32.00		16 10 1968		25.48	
22 12 1965		22.65		31 10 1968		19.82	
7 2 1966		46.72		2 11 1968		33.98	
RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM				20 1 1969		32.56	
1950-1951 1951-1952 1952-1953 1953-1954 1957-1958 1962-1963				31 3 1969		28.32	
				2 6 1969		24.07	
				15 6 1969		22.65	
				3 8 1969		22.65	
				11 9 1969		19.82	

69006

BOLLIN AT DUNHAM MASSEY

GRID REF	SJ726876	AREA	256. SQ. KM	MWRA	THRESHOLD	GRADE B	28.10 CUMECs
PERIOD OF RECORD	1 10 1936 TO	3 10 1969					
SIGNIFICANT GAPS	1 10 1936 TO	14 10 1936	2 2 1945 TO	10 2 1945	1 7 1949 TO	26 7 1949	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 11 1936	2.71	39.54		16 7 1937	2.13	29.19	
8 12 1936	2.24	31.17		11 7 1938	2.53	36.22	
14 12 1936	2.81	41.34		13 10 1938	2.41	34.05	
6 1 1937	2.96	44.09		26 11 1938	3.15	47.82	
18 1 1937	2.86	42.25		5 12 1938	2.11	28.88	
8 2 1937	2.11	28.88					
17 4 1937	2.87	42.37					

69006

BOLLIN AT DUNHAM MASSEY

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 12 1938	2.10	28.68		9 11 1953	2.26	31.38	
1 1 1939	2.61	37.65		21 1 1954	3.13	47.47	
7 1 1939	3.30	50.68		11 2 1954	2.19	30.23	
15 1 1939	2.12	28.99		4 10 1954	2.07	28.16	
17 1 1939	2.19	30.23		15 10 1954	2.43	34.37	
28 2 1939	2.25	31.28		24 10 1954	3.34	51.52	
30 7 1939	2.63	37.98		6 11 1954	3.30	50.68	
19 11 1939	2.25	31.28		9 11 1954	2.89	42.83	
26 11 1939	2.37	33.40		25 11 1954	2.22	30.75	
29 11 1939	2.27	31.70		3 12 1954	2.75	40.21	
8 12 1939	2.15	29.61		13 12 1954	2.59	37.32	
7 2 1940	2.42	34.15		26 3 1955	2.61	37.65	
12 11 1940	2.74	39.99		14 1 1956	2.18	30.13	
17 11 1940	3.16	48.06		21 1 1956	2.55	36.55	
22 11 1940	2.84	41.80		26 1 1956	2.51	35.78	
9 2 1941	2.65	38.31		1 8 1956	2.58	37.10	
26 3 1941	2.56	36.66		4 8 1956	2.89	42.83	
18 10 1941	2.20	30.44		19 8 1956	3.05	45.83	
24 1 1942	2.28	31.80		24 8 1956	2.22	30.75	
3 2 1942	2.87	42.37		28 8 1956	2.07	28.16	
18 10 1942	2.96	44.21		17 3 1957	2.21	30.65	
22 10 1942	2.80	41.12		13 9 1957	2.17	29.92	
11 12 1942	2.98	44.55		17 9 1957	2.76	40.33	
1 1 1943	3.13	47.35		29 10 1957	2.35	32.97	
22 1 1943	2.43	34.48		5 11 1957	2.39	33.72	
25 1 1943	2.37	33.40		1 1 1958	2.18	30.02	
31 1 1943	2.35	33.08		10 2 1958	2.23	30.86	
7 2 1943	2.16	29.71		23 2 1958	2.26	31.38	
10 1 1944	2.76	40.44		8 6 1958	2.28	31.80	
23 1 1944	3.21	48.89		27 6 1958	2.34	32.87	
22 11 1944	2.09	28.47		2 7 1958	2.56	36.77	
25 11 1944	2.20	30.33		22 8 1958	2.10	28.68	
28 11 1944	2.41	34.05		19 9 1958	2.15	29.61	
18 1 1945	2.15	29.50		23 9 1958	2.20	30.44	
1 2 1945	2.91	43.17		18 1 1959	2.15	29.61	
30 10 1945	3.32	51.04		22 1 1959	2.07	28.27	
30 1 1946	2.07	28.27		24 1 1960	2.21	30.54	
8 2 1946	3.38	52.24		30 1 1960	2.56	36.66	
23 2 1946	2.12	28.99		26 11 1960	2.09	28.57	
20 9 1946	3.06	46.06		4 12 1960	3.05	45.83	
13 3 1947	3.16	48.06		30 11 1961	1.87	24.84	
17 3 1947	2.15	29.50		26 9 1963	2.58	31.71	
13 1 1948	3.29	50.44		25 3 1964	2.34	27.56	
7 4 1949	2.68	38.87		13 12 1964	3.84	55.30	
3 12 1949	2.34	32.87		9 5 1965	2.82	35.90	
10 2 1950	2.88	42.71		8 9 1965	3.02	39.55	
17 4 1950	2.13	29.19		9 12 1965	3.26	43.99	
24 9 1950	2.18	30.13		18 12 1965	2.73	34.27	
1 10 1950	2.10	28.68		23 12 1965	2.68	33.42	
7 12 1950	2.37	33.29		27 6 1966	2.74	34.49	
6 1 1951	2.43	34.48		21 8 1966	2.48	30.04	
23 3 1951	2.29	32.02		14 9 1966	2.76	34.92	
6 11 1951	2.39	33.72		10 12 1966	2.50	30.35	
21 11 1951	2.76	40.33		5 11 1967	2.74	34.49	
25 11 1951	3.01	45.02		14 1 1968	2.76	34.82	
5 12 1951	2.68	38.87		2 7 1968	3.18	42.61	
25 12 1951	2.27	31.70		1 10 1968	2.62	32.45	
28 12 1951	2.13	29.19		2 11 1968	2.92	37.77	
11 1 1952	2.51	35.78		21 1 1969	2.39	28.48	
11 2 1952	2.15	29.61		11 2 1969	2.59	31.92	
15 4 1952	2.38	33.51					
7 10 1952	1.99	26.84					

69007

MERSEY AT ASHTON WEIR

GRID REF SJ772936 AREA 660. SQ.KM
 PERIOD OF RECORD 11 6 1958 TO 6 10 1969
 SIGNIFICANT GAPS
 12 7 1962 TO 21 11 1962

MWRA THRESHOLD 75.40 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
2 7 1958	2.31	117.72		17 12 1965	2.24	111.43	
1 1 1959	2.19	107.73		22 12 1965	2.11	101.66	
24 1 1960	1.85	82.08		8 2 1966	2.80	161.04	
30 1 1960	2.46	130.69		27 6 1966	2.80	161.04	
29 8 1960	1.82	79.88		21 8 1966	1.98	91.09	
22 9 1960	1.82	79.88		14 9 1966	2.74	155.34	
26 11 1960	2.54	137.37		15 11 1966	1.93	87.67	
4 12 1960	3.94	282.16		29 11 1966	1.99	92.24	
21 1 1961	1.99	92.24		1 12 1966	2.07	98.09	
17 10 1961	2.19	107.73		19 12 1966	2.92	172.69	
30 11 1961	2.46	130.69		26 9 1967	1.99	92.24	
4 2 1962	1.76	75.56		3 10 1967	2.17	106.50	
11 12 1962	1.82	79.88		17 10 1967	3.07	187.69	
15 12 1962	2.62	144.18		4 11 1967	1.95	88.80	
26 9 1963	2.56	138.72		25 12 1967	1.85	82.08	
21 11 1963	2.60	142.81		27 12 1967	1.93	87.67	
13 12 1964	3.88	275.05	2 4	14 1 1968	3.59	242.24	
9 1 1965	1.95	88.80		17 1 1968	2.66	148.33	
16 1 1965	1.88	84.29		18 1 1968	2.37	122.84	
8 5 1965	2.56	138.72		20 3 1968	2.20	108.96	
7 9 1965	3.15	195.37		24 3 1968	2.11	101.66	
9 9 1965	3.47	228.92		2 7 1968	3.21	201.60	
25 11 1965	1.78	76.63		21 9 1968	2.56	138.72	
9 12 1965	3.77	262.77		23 9 1968	2.66	148.33	
13 12 1965	1.77	75.77		1 10 1968	3.23	203.17	
17 12 1965	2.24	111.43		2 11 1968	2.46	130.69	
RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM 1961-1962				21 1 1969	2.25	112.68	
				31 3 1969	2.43	128.05	
				15 4 1969	2.31	117.72	
				3 6 1969	2.02	94.56	

69801

CROAL AT FARNWORTH WEIR

GRID REF SD743068 AREA 145. SQ.KM
 PERIOD OF RECORD 15 12 1948 TO 6 10 1969
 SIGNIFICANT GAPS
 28 3 1960 TO 9 5 1960 30 5 1960 TO 27 6 1960

MWRA THRESHOLD 28.00 GRADE C
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 12 1948	0.71	37.82		4 11 1952	0.69	36.13	
27 5 1949	0.60	28.67		22 12 1952	0.64	31.78	
26 8 1949	0.92	55.30		31 8 1953	0.93	56.83	
2 1 1950	0.60	28.67		1 9 1953	0.63	30.73	
9 2 1950	0.70	36.69		30 9 1953	0.64	31.25	
23 8 1950	0.65	32.84		14 11 1953	0.85	49.77	
30 8 1950	0.60	28.67		20 1 1954	1.35	94.59	
6 9 1950	1.12	72.82		6 3 1954	0.66	33.38	
21 9 1950	0.62	29.69		23 7 1954	0.69	36.13	
24 9 1950	0.71	38.39		28 7 1954	0.60	28.67	
1 10 1950	0.60	28.67		1 8 1954	0.78	44.41	
28 11 1950	0.62	29.69		14 10 1954	0.78	44.41	
6 12 1950	0.70	36.69		23 10 1954	0.74	41.31	
7 1 1951	0.62	29.69		26 10 1954	0.94	57.35	
3 12 1951	0.74	41.31		5 11 1954	0.62	30.21	
5 12 1951	1.03	65.22		8 11 1954	0.69	36.13	
8 12 1951	0.85	49.77		10 11 1954	0.68	35.02	
27 12 1951	0.70	37.25		11 11 1954	0.60	28.67	
10 1 1952	0.75	41.90		10 12 1954	0.84	48.78	
11 2 1952	0.68	35.02		22 12 1954	0.78	44.41	
9 8 1952	0.60	28.67		10 4 1955	0.67	34.47	

69801

CROAL AT FARNWORTH WEIR

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
21 1 1956	0.64	31.78		20 12 1962	0.74	41.26	
26 1 1956	0.67	34.47		25 9 1963	1.00	62.34	
29 7 1956	0.67	33.92		3 10 1963	0.68	35.29	
1 8 1956	1.15	76.15		21 11 1963	0.77	43.49	
18 8 1956	0.61	29.18		18 7 1964	1.60	119.45	
26 8 1956	0.81	46.34		8 12 1964	1.07	69.04	
28 8 1956	0.64	31.25		12 12 1964	1.15	75.92	
19 8 1957		33.69		16 1 1965	0.63	30.81	
25 8 1957		29.73		10 9 1965	0.78	44.49	
10 9 1957		49.54		25 11 1965	0.91	54.79	
12 9 1957		49.26		2 12 1965	0.62	29.73	
17 9 1957		49.54		6 12 1965	0.72	38.82	
29 10 1957		59.45		9 12 1965	1.16	77.08	
31 10 1957		45.30		17 12 1965	0.74	41.26	
7 12 1957		28.59		22 12 1965	0.80	45.49	
31 12 1957		64.26		7 2 1966	1.16	77.08	
9 2 1958		28.88		27 6 1966	0.87	51.63	
11 2 1958		31.42		14 9 1966	0.69	36.45	
13 2 1958		33.12		1 12 1966	0.64	31.91	
15 2 1958		36.52		27 2 1967	0.91	54.79	
9 5 1958		33.41		25 6 1967	0.83	48.53	
22 8 1958		65.11		13 7 1967	0.71	37.63	
19 9 1958		37.65		14 8 1967	0.63	30.81	
3 10 1958		45.86		18 8 1967	0.83	48.53	
12 10 1958		37.94		1 10 1967	0.92	55.85	
26 10 1959		37.65		3 10 1967	0.64	31.91	
6 7 1960	0.63	30.81		16 10 1967	0.88	52.68	
27 8 1960	0.62	29.73		5 11 1967	0.96	59.07	
24 11 1960	0.69	36.45		24 12 1967	0.66	33.02	
26 11 1960	0.90	53.73		14 1 1968	0.83	48.53	
3 12 1960	0.87	51.63		17 1 1968	0.88	52.68	
4 5 1961	0.78	44.49		18 1 1968	0.76	42.50	
12 7 1961	0.81	46.50		2 7 1968	0.83	48.53	
17 10 1961	0.99	61.25		20 9 1968	0.81	46.50	
29 11 1961	0.77	43.49		23 9 1968	1.02	64.55	
4 12 1961	0.60	28.67		29 9 1968	0.63	30.81	
10 12 1961	0.66	33.02		1 10 1968	1.16	77.08	
23 8 1962	0.68	35.29		2 11 1968	0.68	35.29	
26 8 1962	0.87	51.63		20 1 1969	0.72	38.82	
11 12 1962	0.68	35.29		11 2 1969	0.64	31.91	
15 12 1962	0.95	57.99		31 3 1969	0.63	30.81	
				2 6 1969	0.91	54.79	

69802

ETHEROW AT WOODHEAD

GRID REF	SK102998	AREA	13.0	SQ. KM	MCW	THRESHOLD	GRADE	B
PERIOD OF RECORD	23	2 1937 TO	30	9 1969		7.10	CUMECs	
SIGNIFICANT GAPS								
30 12 1940 TO	6	1 1941	5	10 1942 TO	2	11 1942	23	8 1943 TO
27 12 1943 TO	31	1 1944	19	6 1944 TO	5	7 1944	26	8 1946 TO
7 1 1952 TO	14	1 1952	16	6 1952 TO	30	6 1952	15	3 1954 TO
30 6 1958 TO	28	7 1958	18	3 1962 TO	16	4 1962	13	5 1963 TO
17 7 1967 TO	30	9 1968					8	7 1963

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
15 7 1937		10.25		7 1 1939		7.98	
15 1 1938		7.30		14 1 1939		10.45	
1 6 1938		10.47		8 7 1939		8.89	
10 7 1938		9.63		29 7 1939		42.24	
3 10 1938		9.91		17 10 1939		7.64	
3 10 1938		14.72		18 11 1939		13.76	
8 10 1938		8.15		25 11 1939		13.76	
12 10 1938		8.55		28 11 1939		7.50	
25 11 1938		9.68		8 12 1939		7.33	
4 12 1938		9.40		16 9 1940		7.53	

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ETHEROW AT WOODHEAD

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
31 10 1940		8.04		8 11 1953		8.80	
11 11 1940		8.10		26 12 1953		8.10	
12 11 1940		9.51		20 1 1954		10.98	
21 11 1940		8.49		6 3 1954		8.21	
8 2 1941		10.73		27 7 1954		11.41	
25 3 1941		11.04		16 8 1954		8.78	
26 5 1941		7.33		15 9 1954		8.49	
22 6 1941		20.10		21 9 1954		10.90	
13 8 1941		10.50		30 9 1954		9.06	
18 10 1941		13.84		14 10 1954		8.89	
18 10 1941		18.26		22 10 1954		12.03	
6 12 1941		7.53		26 10 1954		7.90	
22 7 1942		10.56		5 11 1954		9.09	
1 1 1943		12.85		27 11 1954		7.93	
8 8 1943		8.07		2 12 1954		9.46	
1 9 1944		8.21		14 12 1954		8.44	
3 9 1944		7.64		21 12 1954		8.86	
23 11 1944		9.34		10 1 1955		7.79	
27 11 1944		9.97		27 12 1955		8.63	
16 12 1944		10.59		25 1 1956		9.40	
17 1 1945		8.66		9 6 1956		7.76	
18 1 1945		9.48		3 7 1956		14.55	
12 2 1945		8.75		29 7 1956		7.64	
26 10 1945		11.92		1 8 1956		13.25	
29 10 1945		9.20		18 8 1956		24.46	
28 1 1946		7.36		31 8 1956		7.36	
31 1 1946		9.26		31 8 1956		7.64	
3 2 1946		7.59		8 8 1957		9.34	
7 2 1946		10.70		10 9 1957		7.73	
8 2 1946		15.37		12 9 1957		8.49	
22 2 1946		15.23		14 9 1957		8.15	
26 7 1946		16.08		29 10 1957		9.46	
29 5 1947		7.50		4 11 1957		11.10	
11 11 1947		7.47		6 12 1957		7.76	
11 11 1947		14.92		31 12 1957		10.33	
26 12 1947		7.50		4 1 1958		7.28	
1 1 1948		8.21		23 9 1958		7.36	
11 1 1948		8.18		19 12 1958		7.25	
12 1 1948		12.03		1 1 1959		11.61	
7 2 1948		8.32		16 4 1959		7.73	
22 8 1948		11.38		6 7 1960		9.17	
6 4 1949		8.69		27 8 1960		9.34	
25 10 1949		8.83		24 9 1960		8.58	
2 12 1949		9.54		25 11 1960		7.84	
9 2 1950		10.28		27 1 1961		7.25	
23 3 1950		9.14		29 3 1961		9.29	
6 9 1950		13.25		12 7 1961		7.42	
24 9 1950		7.16		3 8 1961		12.88	
17 1 1951		8.38		20 8 1961		7.93	
22 3 1951		9.34		10 10 1961		9.06	
12 4 1951		9.06		17 10 1961		14.16	
2 11 1951		7.16		30 11 1961		12.57	
5 11 1951		7.13		10 12 1961		8.41	
8 11 1951		9.46		4 2 1962		8.12	
24 11 1951		7.13		11 2 1962		10.05	
8 12 1951		9.00		11 8 1962		9.00	
27 12 1951		10.08		23 8 1962		13.67	
10 2 1952		7.56		26 8 1962		8.44	
14 4 1952		7.90		6 9 1962		8.01	
13 10 1952		9.60		10 12 1962		9.12	
28 3 1953		8.72		20 12 1962		8.21	
12 7 1953		7.64		1 9 1963		9.57	
22 9 1953		7.28		25 9 1963		12.14	
				14 11 1963		8.32	
				21 11 1963		18.83	

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ETHEROW AT WOODHEAD

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
7 10 1964		8.15		22 5 1966		8.32	
12 12 1964		8.92		7 8 1966		10.25	
12 12 1964		9.40		24 8 1966		16.42	
9 1 1965		8.55					
16 1 1965		10.19		6 10 1966		9.29	
8 5 1965		8.58		19 12 1966		13.76	
8 9 1965		9.63		10 4 1967		10.08	
10 9 1965		13.42		25 6 1967		8.32	
1 10 1965		7.84		1 10 1968		7.22	
25 11 1965		8.83		28 10 1968		7.50	
9 12 1965		16.25		1 11 1968		11.18	
9 12 1965		9.97		28 3 1969		11.72	
17 12 1965		11.72		31 3 1969		14.61	
7 2 1966		10.22		11 4 1969		11.72	
31 3 1966		7.13		2 6 1969		10.50	
22 4 1966		7.30					

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM

1942-1943	1943-1944	1951-1952	1953-1954	1957-1958	1961-1962	1962-1963	1966-1967

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ROCK AT BLACKFORD BRIDGE

GRID REF	SD807077	AREA	186. SQ.KM	MWRA	THRESHOLD	32.20	GRADE C
PERIOD OF RECORD	15	2	1949 TO	6	10	1969	CUMECS
SIGNIFICANT GAPS							
	30	7	1956 TO	6	8	1956	

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 5 1949	1.49	76.64		8 11 1954	0.97	40.25	
				10 11 1954	0.97	40.25	
12 11 1949	0.85	32.89		10 12 1954	0.93	37.62	
3 12 1949	0.89	35.05		20 12 1954	0.93	37.99	
4 12 1949	0.93	37.62		10 1 1955	1.07	46.49	
18 12 1949	0.85	32.89					
6 1 1950	0.91	36.51		21 1 1956	1.15	52.19	
10 2 1950	1.06	46.09		18 8 1956	1.14	51.36	
23 3 1950	0.99	41.78		26 8 1956	1.33	64.68	
23 8 1950	1.03	43.72		27 8 1956	0.85	32.89	
6 9 1950	1.43	71.96					
24 9 1950	0.96	39.87		25 8 1957	0.87	33.96	
				13 9 1957	0.93	37.62	
28 11 1950	0.91	36.51		16 9 1957	0.85	32.89	
6 12 1950	0.87	33.96					
6 1 1951	1.06	46.09		28 10 1957	1.03	44.11	
17 1 1951	0.91	36.51		29 10 1957	1.23	57.68	
22 3 1951	0.97	40.25		31 10 1957	0.85	32.89	
				1 11 1957	0.85	32.89	
5 11 1951	0.85	33.25		4 11 1957	0.85	33.25	
23 11 1951	0.87	34.32		31 12 1957	1.39	69.20	
24 11 1951	0.85	33.25					
5 12 1951	1.36	66.93		9 2 1958	1.09	48.09	
8 12 1951	1.32	63.79		13 2 1958	1.07	46.88	
27 12 1951	1.14	50.95		15 2 1958	0.89	35.41	
10 1 1952	0.87	34.32		19 9 1958	0.85	32.89	
13 1 1952	0.92	36.88					
14 4 1952	0.98	41.01		13 10 1958	1.06	46.09	
9 8 1952	0.97	40.25		1 1 1959	0.99	41.39	
4 11 1952	0.90	36.14		26 10 1959	1.19	54.70	
28 3 1953	0.85	32.89		20 12 1959	0.91	36.51	
31 8 1953	1.12	50.12		27 12 1959	0.90	35.77	
30 9 1953	0.91	36.51		30 1 1960	0.87	34.32	
8 11 1953	0.92	37.25		26 11 1960	1.47	74.99	
14 11 1953	1.09	48.09		3 12 1960	1.31	62.91	
20 1 1954	1.73	96.28	4				
6 3 1954	0.96	39.49		17 10 1961	1.35	66.25	
27 7 1954	0.94	38.36		29 11 1961	1.16	52.81	
21 8 1954	0.92	37.25		12 2 1962	0.97	40.25	
				7 4 1962	0.92	37.25	
14 10 1954	1.09	48.09		23 8 1962	0.85	33.25	
23 10 1954	0.93	37.62		26 8 1962	1.28	61.15	
5 11 1954	0.94	38.36					
				11 12 1962	0.98	40.63	

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ROCK AT BLACKFORD BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 9 1963	1.25	58.97		25 6 1967	0.96	39.87	
				18 8 1967	0.95	39.11	
21 11 1963	1.20	55.12					
8 12 1964	1.41	70.80		1 10 1967	1.00	42.16	
12 12 1964	1.64	88.74		3 10 1967	0.85	32.89	
16 1 1965	0.89	35.05		16 10 1967	1.72	95.51	
10 9 1965	1.04	44.50		5 11 1967	1.09	47.69	
				13 1 1968	1.17	53.02	
25 11 1965	1.04	44.50		16 1 1968	1.03	44.11	
6 12 1965	0.85	32.89		19 3 1968	0.91	36.51	
9 12 1965	1.68	91.73		1 7 1968	0.91	36.51	
17 12 1965	1.27	60.27		2 7 1968	1.01	42.75	
22 12 1965	1.06	46.09		20 9 1968	1.24	58.54	
8 2 1966	1.44	73.12		23 9 1968	1.57	82.86	
27 6 1966	0.96	39.87		30 9 1968	0.87	34.14	
21 8 1966	1.04	44.70					
14 9 1966	0.93	37.80		1 10 1968	1.28	61.37	
				2 11 1968	1.23	57.68	
1 12 1966	0.86	33.61		26 11 1968	0.85	33.25	
19 12 1966	0.92	37.25		20 1 1969	1.04	44.50	
27 2 1967	1.17	53.65		31 3 1969	1.00	42.36	

69804

TAME AT PORTWOOD

GRID REF	SJ906918	AREA	150. SQ. KM	MWRA	THRESHOLD	GRADE B	39.80 CUMECs
PERIOD OF RECORD	15 3 1943 TO	3 10 1969					
SIGNIFICANT GAPS							
	30 4 1945 TO	23 7 1945	12 3 1946 TO	30 5 1952	22 7 1953 TO	29 7 1953	
	14 9 1956 TO	10 10 1956	7 11 1956 TO	14 11 1956			
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 9 1943	1.06	64.03		22 10 1954	0.91	50.07	
12 9 1943	0.86	45.88		24 10 1954	0.84	44.35	
14 9 1943	0.87	46.40		26 10 1954	0.79	40.36	
				5 11 1954	0.95	53.30	
7 12 1943	0.82	42.34		8 11 1954	0.87	46.91	
22 1 1944	1.54	116.43		2 12 1954	1.03	61.13	
2 2 1944	0.79	40.36		22 12 1954	0.82	42.34	
4 9 1944	0.87	46.91		10 1 1955	0.92	50.60	
24 11 1944	1.14	71.20		21 1 1956	1.20	78.03	
29 11 1944	1.17	74.28		29 1 1956	0.82	42.34	
18 1 1945	1.07	64.62		5 7 1956	0.82	42.34	
31 1 1945	1.15	73.04		1 8 1956	1.30	88.39	
2 2 1945	1.34	92.41		18 8 1956	1.79	148.19	2 4
4 2 1945	1.28	86.41		25 8 1956	0.89	48.48	
13 2 1945	1.28	85.76	4				
1 4 1945	1.15	72.43	4	26 8 1957	0.79	39.88	
				13 9 1957	1.03	60.56	
21 10 1945	0.79	39.88		16 9 1957	0.90	49.01	
24 10 1945	0.90	49.53					
25 10 1945	1.32	91.06		28 10 1957	0.79	39.88	
29 10 1945	1.20	78.03		29 10 1957	0.91	50.07	
11 1 1946	0.93	52.21	2 4	4 11 1957	0.99	57.72	
31 1 1946	1.00	58.29		31 12 1957	1.35	93.76	
3 2 1946	1.18	76.14		9 2 1958	0.85	43.37	
7 2 1946	1.01	59.42		15 2 1958	0.96	54.94	
8 2 1946	1.66	130.78		2 7 1958	0.85	44.86	
23 2 1946	1.18	76.14	2 4	21 8 1958	0.84	44.35	
				30 9 1958	0.79	39.88	
13 10 1952	0.79	40.36					
4 11 1952	0.80	40.85		13 10 1958	0.79	39.88	
28 3 1953	1.06	63.45		1 1 1959	0.93	51.67	
9 7 1953	0.92	51.13		22 1 1959	0.81	41.84	
12 7 1953	0.95	53.84					
31 8 1953	1.12	69.38		26 10 1959	1.00	58.29	
				30 1 1960	0.93	52.21	
20 1 1954	1.67	132.33	2 4	6 7 1960	0.83	43.34	
6 3 1954	0.82	42.84		24 8 1960	0.85	44.86	
27 7 1954	1.08	65.80		22 9 1960	0.85	44.86	
30 9 1954	0.88	47.43					
				8 10 1960	1.01	58.85	
14 10 1954	1.03	61.13		26 11 1960	1.13	70.59	

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TAME AT PORTWOOD

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
3 12 1960	1.62	125.42	2 4	9 12 1965	1.43	103.44	
21 1 1961	0.83	43.34		17 12 1965	0.94	52.75	
3 8 1961	0.84	44.35		22 12 1965	0.79	40.36	
3 9 1961	0.79	39.88		8 2 1966	1.00	58.29	
17 10 1961	1.21	79.30		27 6 1966	0.85	44.86	
30 11 1961	1.22	79.94		21 8 1966	0.97	55.49	
7 4 1962	0.84	43.84		14 9 1966	0.99	57.72	
23 8 1962	1.04	61.71		29 11 1966	0.81	41.35	
26 8 1962	0.85	45.37		19 12 1966	0.94	52.75	
11 12 1962	0.85	44.86		24 6 1967	0.84	44.35	
15 12 1962	0.82	42.34		3 10 1967	0.85	44.86	
2 7 1963	0.80	40.85		16 10 1967	1.08	65.80	
21 11 1963	1.17	74.28		13 1 1968	1.16	73.66	
30 5 1964	0.94	52.75		17 1 1968	0.92	51.13	
18 7 1964	0.79	39.88		20 3 1968	0.81	41.35	
9 12 1964	0.91	50.07		1 7 1968	0.97	55.77	
12 12 1964	1.53	114.23		2 7 1968	1.40	99.25	
9 1 1965	0.85	44.86		21 9 1968	1.09	66.98	
16 1 1965	0.91	50.07	1	23 9 1968	1.37	96.49	
8 5 1965	0.89	48.48		1 10 1968	1.31	89.72	
13 7 1965	0.99	57.16		17 10 1968	0.82	42.34	
8 9 1965	0.98	56.60		2 11 1968	1.40	99.25	
10 9 1965	1.59	121.64		21 1 1969	0.97	55.49	
				31 3 1969	1.10	68.18	
				2 6 1969	0.97	55.49	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1946-1947 1947-1948 1948-1949 1949-1950 1950-1951 1951-1952

69806

MUSBURY BROOK AT INTAKE

GRID REF S0773212 AREA 3.1 SQ. KM BC THRESHOLD GRADE A2
 PERIOD OF RECORD 3 1 1960 TO 6 10 1969 2.68 CUMECs
 SIGNIFICANT GAPS
 20 11 1960 TO 23 12 1960

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
15 5 1960		3.52		22 5 1966		2.74	
27 8 1960		2.74		14 9 1966		3.31	
2 10 1960		3.63		3 10 1966		4.10	
4 5 1961		3.10		19 12 1966		2.68	
12 7 1961		3.26		27 2 1967		4.68	
16 10 1961		5.63	2	24 6 1967		3.52	
29 11 1961		3.00		17 8 1967		2.68	
4 12 1961		2.74		3 9 1967		4.31	
10 12 1961		2.84		1 10 1967		3.79	
11 2 1962		3.00		3 10 1967		4.58	
23 8 1962		2.68		14 10 1967		2.68	
26 8 1962		4.84		16 10 1967		3.79	
15 12 1962		3.47		5 11 1967		3.58	
25 9 1963		3.79		13 1 1968		2.74	
21 11 1963		3.42		16 1 1968		2.68	
18 7 1964		5.89		23 3 1968		3.89	
6 10 1964		3.79		22 6 1968		2.74	
8 12 1964		3.79		1 7 1968		5.37	
11 12 1964		3.52		2 7 1968		5.63	
25 11 1965		3.63		20 9 1968		4.84	
9 12 1965		5.37		21 9 1968		5.10	
17 12 1965		2.74		22 9 1968		2.74	
7 2 1966		2.84		23 9 1968		5.10	
				23 9 1968		5.37	
				1 10 1968		4.21	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1960-1961

STATION REGRADED TO Z BECAUSE OF TRUNCATED AQUEDUCT RECORD

71001

RIBBLE AT SAMLESBURY

GRID REF SD589304 AREA 1145. SQ.KM
 PERIOD OF RECORD 6 4 1960 TO 30 12 1969
 SIGNIFICANT GAPS
 6 8 1965 TO 11 8 1965

LRA THRESHOLD 326.00 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
6 7 1960	9.50	337.80	2	3 12 1965	10.12	470.32	1
2 11 1960	9.97	435.82	2	9 12 1965	11.15	731.60	
24 11 1960	10.48	555.30		17 12 1965	11.32	780.33	
26 11 1960	10.48	556.05		8 2 1966	10.11	468.91	
4 12 1960	10.76	627.01		23 2 1966	10.18	484.42	1
4 5 1961	10.34	522.65		27 6 1966	10.25	500.86	2
3 8 1961	10.02	448.11		14 9 1966	9.96	434.46	
21 8 1961	9.69	375.88		15 11 1966	9.54	345.15	2
PK. EST. BY R.A.				29 11 1966	9.49	335.36	
17 10 1961	10.62	590.31		1 12 1966	9.84	407.69	2
31 10 1961	9.77	391.97		19 12 1966	11.04	701.50	2
30 11 1961	10.68	605.81		22 2 1967	9.94	430.40	
5 12 1961	9.99	440.58	2	27 2 1967	10.24	497.27	
11 12 1961	9.75	389.38	2	8 8 1967	10.04	452.93	2
12 2 1962	11.10	718.16	2	18 8 1967	10.35	524.11	2
2 4 1962	10.21	490.83		1 10 1967	10.37	529.26	8
7 4 1962	9.90	420.99		3 10 1967	9.84	407.69	2
26 8 1962	9.46	328.69	2	9 10 1967	9.65	366.35	2
12 9 1962	9.50	337.19		16 10 1967	11.41	803.87	2
8 12 1962	10.25	500.14	2	4 11 1967	9.63	363.83	
11 12 1962	9.61	359.44	2	13 1 1968	10.82	642.11	2
15 12 1962	9.72	381.00	2	16 1 1968	10.04	451.55	1
26 9 1963	10.86	653.33		18 1 1968	9.50	336.58	1
3 10 1963	10.08	461.94	2	19 3 1968	9.88	416.31	2
21 11 1963	11.01	693.24	2	23 3 1968	10.41	538.87	
30 12 1963	9.54	343.92	2	1 4 1968	10.11	467.52	
18 7 1964	9.87	414.32	5	3 7 1968	9.81	401.11	
8 12 1964	11.71	894.52	2	20 9 1968	10.72	616.77	
12 12 1964	11.78	912.94	2	23 9 1968	10.25	499.42	
7 1 1965	9.69	375.24	2	1 10 1968	10.37	529.99	1
10 1 1965	10.17	482.30	2	20 1 1969	9.70	377.15	
16 1 1965	9.67	370.79	2	31 3 1969	9.78	393.92	
10 9 1965	9.96	433.78	2	2 6 1969	9.50	337.80	
25 11 1965	10.44	547.06	1	3 11 1969	9.56	348.86	2
				11 11 1969	9.57	350.09	

71003

CROASDALE BECK AT CROASDALE FLUME

GRID REF SD706546 AREA 10.4 SQ.KM
 PERIOD OF RECORD 4 6 1957 TO 5 10 1969

FWB THRESHOLD 5.26 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
16 9 1957		7.52	4	2 11 1960		10.79	
20 10 1957		5.68		24 11 1960		12.63	
23 10 1957		5.74		2 12 1960		6.21	
1 11 1957		6.02		4 12 1960		6.42	
7 12 1957		6.05		1 1 1961		6.84	
MANY FLAT PEAKS BELOW THRESH. ESTIMATION NOT EASY				10 2 1961		6.31	
13 2 1958		13.16	4	3 8 1961		20.00	
15 2 1958		17.89	4	20 8 1961		7.00	
19 8 1958		5.53		17 10 1961		15.26	
21 1 1959		5.37		31 10 1961		10.52	
26 10 1959		13.31		30 11 1961		10.52	
25 11 1959		6.89		4 12 1961		6.84	
20 12 1959		8.31		10 12 1961		8.42	
27 12 1959		8.31		11 12 1961		7.68	
2 2 1960		6.31		31 1 1962		5.63	
26 2 1960		8.42		12 2 1962		7.37	
12 4 1960		7.42		2 4 1962		7.74	
6 7 1960		9.47		7 4 1962		8.95	
				23 8 1962		10.10	
				26 8 1962		7.89	

71003

CROASDALE BECK AT CROASDALE FLUME

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
15 12 1962		6.21		15 11 1966		6.84	
25 6 1963		5.68		29 11 1966		5.53	
25 9 1963		14.73		1 12 1966		7.16	
29 9 1963		6.95		19 12 1966		14.21	
3 10 1963		12.26	4	22 2 1967		12.21	
12 11 1963		7.26		27 2 1967		13.52	
14 11 1963		6.58		14 5 1967		6.21	
21 11 1963		9.63	4	24 6 1967		5.95	
30 12 1963		6.31	4	4 8 1967		5.63	
7 7 1964		6.21		8 8 1967		30.52	
6 10 1964		8.68		18 8 1967		5.47	
6 12 1964		5.37		3 9 1967		6.31	
7 12 1964		7.37		5 9 1967		5.63	
8 12 1964		13.10		1 10 1967		7.42	
11 12 1964		12.73		3 10 1967		5.84	
7 1 1965		6.31		16 10 1967		12.10	
10 1 1965		5.39		27 10 1967		5.31	
16 1 1965		5.79		3 11 1967		6.58	
9 9 1965		6.05		5 11 1967		7.63	
30 10 1965		5.31		22 12 1967		5.68	
31 10 1965		6.84		13 1 1968		9.47	
25 11 1965		6.05		19 3 1968		10.42	4
3 12 1965		11.84		23 3 1968		11.31	4
9 12 1965		14.37		6 4 1968		12.42	
9 12 1965		8.26		2 7 1968		11.58	
17 12 1965		13.10	4	20 9 1968		8.31	
5 2 1966		6.95		30 9 1968		11.47	
23 2 1966		10.26		1 10 1968		9.31	
10 3 1966		5.95		2 10 1968		6.95	
22 5 1966		8.63		31 10 1968		7.52	
27 6 1966		7.10		31 3 1969		8.89	
4 9 1966		6.79		UPPER TRACE GENERALLY USED UNLESS BROKEN ETC.			
14 9 1966		6.89					

71004

CALDER AT WHALLEY

GRID REF SD730360 AREA 316. SQ.KM
 PERIOD OF RECORD 21 11 1961 TO 3 10 1969
 SIGNIFICANT GAPS
 10 9 1966 TO 30 9 1966

LRA THRESHOLD 96.00 CUMECs
 GRADE B

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 11 1961	42.99	151.09		2 10 1966	42.35	106.61	
4 12 1961	42.41	110.63		1 12 1966	42.20	96.97	
11 2 1962	42.97	149.97		19 12 1966	43.15	163.29	
26 8 1962	42.69	130.15	1	27 2 1967	42.54	119.64	
25 9 1963	42.97	149.97		9 8 1967	42.47	114.90	
3 10 1963	42.55	120.26		18 8 1967	42.77	135.29	
21 11 1963	42.88	143.56		1 10 1967	42.39	109.62	2
18 7 1964	43.82	215.52		3 10 1967	42.27	101.66	2
8 12 1964	43.40	182.40	1	16 10 1967	43.78	212.53	
12 12 1964	43.33	176.74	1	5 11 1967	42.91	145.32	
16 1 1965	42.24	99.69		13 1 1968	43.15	163.29	
10 9 1965	42.75	134.21		16 1 1968	42.25	100.09	
25 11 1965	42.62	125.07		17 1 1968	42.19	96.19	
9 12 1965	43.03	154.45		24 3 1968	42.58	122.14	
17 12 1965	43.12	161.24		1 7 1968	42.45	113.68	
7 2 1966	42.52	118.19		2 7 1968	42.30	103.43	
27 6 1966	42.97	149.97		20 9 1968	43.73	208.31	
CHART LIMIT EXCEEDED, PEAK ESTIMATED				23 9 1968	43.38	180.98	
RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM 1965-1966				1 10 1968	42.45	113.27	
				31 3 1969	42.37	108.42	
				2 6 1969	42.32	104.62	

71005

BOTTOMS BECK AT BOTTOMS BECK FLUME

GRID REF SD745565 AREA 10.6 SQ.KM
 PERIOD OF RECORD 14 4 1960 TO 6 10 1969

FWB THRESHOLD 8.40 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
				8 12 1965		15.78	2
2 11 1960		11.57		17 12 1965		12.10	
23 11 1960		16.83		23 2 1966		10.78	
2 12 1960		9.20		4 9 1966		8.42	
12 7 1961		10.52		15 11 1966		9.99	
3 8 1961		21.04	2	29 11 1966		10.78	
17 10 1961		8.94		1 12 1966		8.42	
29 11 1961		9.99		17 12 1966		9.99	
9 12 1961		8.94		19 12 1966		9.99	
11 12 1961		8.42		22 2 1967		12.62	
11 2 1962		10.52		22 5 1967		8.94	
23 9 1962		12.36		4 8 1967		23.67	2
25 9 1963		19.73	2	8 8 1967		26.30	
3 10 1963		13.15		14 8 1967		8.68	
21 11 1963		22.62		1 10 1967		11.05	
6 10 1964		9.47		3 10 1967		8.94	
7 12 1964		8.42		16 10 1967		15.25	
8 12 1964		18.67	2	22 12 1967		8.94	
11 12 1964		10.26		13 1 1968		8.94	
16 1 1965		8.42		16 1 1968		9.47	
31 10 1965		9.73		19 3 1968		9.99	
25 11 1965		11.57		23 3 1968		13.41	
3 12 1965		8.94		1 4 1968		13.41	
				31 10 1968		8.15	

71007

RIBBLE AT HODDER FOOT

GRID REF SD709379 AREA 719.2 SQ.KM
 PERIOD OF RECORD 23 7 1965 TO 3 10 1969
 SIGNIFICANT GAPS 11 12 1967 TO 1 3 1968

LRA THRESHOLD 285.00 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 11 1965	36.95	352.67		1 10 1967	36.82	330.05	2
3 12 1965	36.79	324.50		16 10 1967	37.58	479.58	8 2
9 12 1965	37.34	430.46		31 12 1967	37.06	374.14	
17 12 1965	37.51	465.32		FOOT AND MOUTH RESTRICTION, PEN MAXIMUM			
23 2 1966	36.78	322.84		19 3 1968	36.60	290.43	
19 12 1966	37.35	432.96		23 3 1968	36.85	333.97	
27 2 1967	36.88	339.59		1 4 1968	36.95	353.81	
8 8 1967	37.01	365.37	2	20 9 1968	36.60	290.43	
18 8 1967	36.59	288.85	2	1 10 1968	36.45	264.54	

71802

RIBBLE AT HALTON WEST

GRID REF SD850552 AREA 206.7 SQ.KM
 PERIOD OF RECORD 29 4 1966 TO 3 10 1969
 SIGNIFICANT GAPS 10 12 1967 TO 16 2 1968

LRA THRESHOLD 111.00 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
18 12 1966	2.21	132.55		16 10 1967	2.46	163.45	
19 12 1966	2.33	146.30		19 3 1968	2.23	135.03	
22 2 1967	2.14	124.90		23 3 1968	2.51	169.37	
27 2 1967	2.24	136.46		1 4 1968	2.37	151.91	
18 8 1967	2.27	138.98		12 9 1968	2.28	140.79	
1 10 1967	2.25	137.18		31 10 1968	2.33	146.67	
9 10 1967	2.25	136.82		20 1 1969	2.24	135.39	
				31 3 1969	2.42	157.24	

71803

HODDER AT HIGHER HODDER BRIDGE

GRID REF SD697411 AREA 257.5 SQ. KM
 PERIOD OF RECORD 23 9 1960 TO 3 10 1969

LRA THRESHOLD 191.00 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
2 11 1960	2.34	231.11		9 12 1965	2.86	345.77	
24 11 1960	2.70	306.83		17 12 1965	3.01	383.92	
2 12 1960	2.29	220.33		23 2 1966	2.39	241.53	2
3 12 1960	2.22	206.94		26 6 1966	2.43	249.66	
4 5 1961	2.38	239.68		4 9 1966	2.35	231.72	
3 8 1961	2.92	360.79		1 12 1966	2.16	196.75	2
17 10 1961	2.63	292.32		19 12 1966	2.83	338.38	
31 10 1961	2.38	239.68		22 2 1967	2.27	217.38	
30 11 1961	2.52	268.93		27 2 1967	2.70	308.93	2
11 2 1962	2.69	306.13		8 8 1967	2.84	339.85	
2 4 1962	2.28	219.15		18 8 1967	2.42	247.77	
7 4 1962	2.13	191.20		1 10 1967	2.61	287.56	2
23 8 1962	2.79	328.17		3 10 1967	2.19	201.24	2
15 12 1962	2.20	203.51		9 10 1967	2.14	192.86	2
6 3 1963	2.19	201.81	2	16 10 1967	3.04	390.21	2
25 9 1963	2.92	360.79		22 12 1967	2.14	193.41	8
3 10 1963	2.68	304.04		BY CORRELATION WITH HENTHORN			
21 11 1963	2.67	301.26		13 1 1968	2.43	248.40	8
11 5 1964	2.13	191.20		BY CORRELATION WITH HENTHORN			
7 7 1964	2.21	206.36		16 1 1968	2.15	193.96	8
8 12 1964	3.06	397.35		BY CORRELATION WITH HENTHORN			
11 12 1964	3.48	512.28		22 3 1968	2.34	231.11	
7 1 1965	2.23	209.81		1 4 1968	2.75	320.26	
10 1 1965	2.43	249.66		3 7 1968	2.39	240.30	
10 9 1965	2.13	191.75		20 9 1968	2.24	212.13	
25 11 1965	2.49	260.49		30 9 1968	2.23	209.81	
3 12 1965	2.35	232.33		1 10 1968	2.53	270.24	
				31 3 1969	2.38	237.83	
				2 6 1969	2.16	196.19	

72001

LUNE AT HALTON

GRID REF SD502647 AREA 995. SQ. KM
 PERIOD OF RECORD 5 2 1959 TO 30 9 1969

LRA THRESHOLD 402.00 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 10 1959	8.47	658.24		10 1 1965	8.81	731.44	
27 12 1959	7.68	492.77		9 12 1965	8.29	620.26	
2 11 1960	7.97	554.89	1	17 12 1965	9.12	797.17	1
24 11 1960	7.32	417.01	1	5 2 1966	7.84	527.38	1
4 12 1960	7.46	447.58	1	1 12 1966	7.40	434.84	
26 12 1960	7.62	479.47		18 12 1966	7.33	418.92	
18 12 1961	7.37	428.47		22 2 1967	7.51	457.14	
12 2 1962	8.27	617.05		27 2 1967	8.32	626.67	
2 4 1962	8.43	655.56		30 7 1967	7.96	551.69	
11 8 1962	8.80	729.51		18 8 1967	8.38	639.51	
23 8 1962	8.35	633.09		1 10 1967	7.92	543.37	
26 8 1962	7.48	450.76		3 10 1967	7.68	492.23	
6 3 1963	7.57	469.89	1	6 10 1967	8.32	626.67	
14 4 1963	7.27	408.10	1	9 10 1967	8.39	642.72	
26 9 1963	7.30	412.56		14 10 1967	7.33	418.92	
3 10 1963	7.27	406.83		17 10 1967	8.43	651.07	
12 11 1963	7.30	412.56		23 12 1967	7.96	551.05	
21 11 1963	8.33	629.88		16 1 1968	7.25	403.01	
30 12 1963	7.49	453.95		19 3 1968	7.58	473.08	
8 12 1964	9.11	793.94		23 3 1968	9.75	929.59	
12 12 1964	9.00	771.38	1	1 4 1968	7.74	505.01	
				12 9 1968	7.30	412.56	
				31 10 1968	7.78	514.59	

72002

WYRE AT ST MICHAELS ON WYRE

GRID REF SD465411 AREA 275. SQ.KM
 PERIOD OF RECORD 14 8 1962 TO 2 10 1969

LRA THRESHOLD 89.00 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
23 8 1962	4.69	162.09		1 12 1966	8.04	110.38	
15 12 1962	3.38	99.68		19 12 1966	7.99	108.44	
26 9 1963	4.07	131.47		22 2 1967	7.86	102.26	
3 10 1963	4.25	140.14		27 2 1967	8.77	145.36	
21 11 1963	3.79	118.52		11 8 1967	7.92	105.27	
11 5 1964	4.14	134.98		18 8 1967	8.70	141.78	
7 7 1964	3.42	101.72		1 10 1967	9.19	166.12	
8 12 1964	4.30	142.97		3 10 1967	8.25	120.37	
11 12 1964	4.93	174.56		14 10 1967	7.73	96.85	
10 1 1965	3.85	121.08		16 10 1967	9.04	158.40	
10 9 1965	8.79	145.96		10 11 1967	8.18	116.83	
9 12 1965	8.21	118.38		13 1 1968	8.46	130.30	
17 12 1965	8.29	122.23		16 1 1968	8.59	136.45	
8 2 1966	8.00	108.72		21 9 1968	7.60	90.86	
27 6 1966	8.65	139.40		23 9 1968	7.65	93.38	
12 8 1966	7.59	90.60		30 9 1968	7.56	89.29	
4 9 1966	7.63	92.45	2	1 10 1968	9.17	165.18	
14 9 1966	7.62	91.79		2 10 1968	8.85	148.97	
				20 1 1969	7.56	89.15	
				2 6 1969	9.20	166.74	

72803

LUNE AT HALTON UPPER WEIR

GRID REF SD513648 AREA 993. SQ.KM
 PERIOD OF RECORD 1 10 1939 TO 30 9 1971

LRA ANNUAL MAXIMA GRADE B

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 1 1940		611.00		1 1 1955		640.00	
CALENDAR YEAR ANNUAL PEAKS FROM LANCS R.A. DATA				1 1 1956		442.00	
1 1 1941		672.00		1 1 1957		544.00	
DATE TAKEN ARBITRARILY AS 1ST JAN.				1 1 1958		362.00	
1 1 1942		611.00		1 1 1959		660.00	
1 1 1943		544.00		1 1 1960		558.00	
1 1 1944		660.00		1 1 1961		440.00	
1 1 1945		428.00		1 1 1962		730.00	
1 1 1946		410.00		1 1 1963		635.00	
1 1 1947		692.00		1 1 1964		796.00	
1 1 1948		531.00		1 1 1965		789.00	
1 1 1949		403.00		1 1 1966		529.00	
1 1 1950		576.00		1 1 1967		663.00	
1 1 1951		653.00		1 1 1968		928.00	
1 1 1952		410.00		1 1 1969		382.00	
1 1 1953		730.00		1 1 1970		734.00	
1 1 1954		1047.00		1 1 1971		671.00	

72804

LUNE AT BROADRAINE

GRID REF SD621901 AREA 226.4 SQ.KM
 PERIOD OF RECORD 2 7 1963 TO 30 9 1969
 SIGNIFICANT GAPS
 14 1 1968 TO 23 1 1968 13 3 1968 TO 26 3 1968

LRA THRESHOLD 130.00 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
24 9 1963	1.67	134.81		4 9 1966	1.98	163.39	
21 11 1963	2.05	219.03		1 12 1966	1.96	160.47	2
30 12 1963	1.69	137.78		17 12 1966	1.96	160.47	2
7 12 1964	1.88	179.42		22 2 1967	2.10	183.19	
8 12 1964	2.31	288.17		27 2 1967	2.69	286.55	
11 12 1964	2.05	219.03		30 7 1967	1.87	146.99	
10 1 1965	2.16	246.33		1 10 1967	1.98	163.39	
9 12 1965	1.88	179.42		3 10 1967	1.76	130.07	
17 12 1965	1.88	179.42		6 10 1967	2.72	292.12	
5 2 1966	2.01	207.83		9 10 1967	2.42	237.52	
				14 10 1967	2.01	168.29	

72804

LUNE AT BROADRAINE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
16 10 1967	2.21	201.45					
12 9 1968	1.88	148.90	2 8	31 10 1968	1.99	165.84	

72807

WENNING AT HORNBY

GRID REF SD580604 AREA 236. SQ. KM
 PERIOD OF RECORD 1 5 1957 TO 3 10 1969
 SIGNIFICANT GAPS
 2 12 1967 TO 26 1 1968

LRA THRESHOLD 142.00 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 9 1957	1.72	306.43	2	25 9 1963	1.54	223.96	
PEN TRAVEL TRUNCATED TO 4FT 6INS				3 10 1963	1.52	214.88	8 2
23 9 1957	1.32	158.55		12 11 1963	1.32	149.77	
28 10 1957	1.34	166.20		21 11 1963	1.80	326.78	
29 10 1957	1.57	244.52	2	8 12 1964	1.88	366.83	
PEN TRAVEL TRUNCATED TO 4FT 6INS				12 12 1964	1.85	352.40	
7 12 1957	1.60	254.29	2	10 1 1965	1.58	237.04	
PEN TRAVEL TRUNCATED TO 4FT 6INS				25 11 1965	1.37	164.80	
8 1 1958	1.32	158.55		3 12 1965	1.43	183.93	
10 2 1958	1.29	151.10		9 12 1965	1.67	272.62	
13 2 1958	1.37	174.07		18 12 1965	1.92	381.59	
15 2 1958	2.03	468.51		5 2 1966	1.37	164.80	
30 9 1958	1.49	206.00		23 2 1966	1.72	291.48	
22 1 1959	1.19	115.71		26 6 1966	1.40	174.22	
26 10 1959	1.67	272.62		29 11 1966	1.29	142.56	
25 11 1959	1.32	149.77		1 12 1966	1.41	179.03	
20 12 1959	1.32	149.77		19 12 1966	1.43	183.93	
27 12 1959	1.80	326.78		22 2 1967	1.46	193.94	
6 7 1960	1.44	188.90		27 2 1967	1.92	381.59	
2 11 1960	1.75	304.45		4 8 1967	1.49	204.26	
24 11 1960	1.75	304.45		8 8 1967	3.12	1246.00	5
3 12 1960	1.32	149.77		19 8 1967	1.49	205.30	
4 12 1960	1.44	188.90		INSTRUMENT FAILURE - ASSUME PEN STUCK AT PEAK			
25 12 1960	1.29	142.56		1 10 1967	1.58	237.04	
4 5 1961	1.39	172.63		9 10 1967	1.37	164.80	
3 8 1961	1.57	233.26		14 10 1967	1.37	164.80	
17 10 1961	1.39	172.63		16 10 1967	1.78	317.74	
31 10 1961	1.52	214.88		19 3 1968	1.37	166.66	
30 11 1961	1.47	197.35		23 3 1968	1.70	285.11	
11 12 1961	1.37	164.80		1 4 1968	1.60	242.77	
15 1 1962	1.34	157.18		2 7 1968	1.40	174.22	
12 2 1962	1.60	242.77	2	31 10 1968	1.44	188.90	
3 4 1962	1.75	304.45	2	31 3 1969	1.32	151.24	
7 4 1962	1.37	164.80	8 2				
23 8 1962	1.82	338.29					

73001

LEVEN AT NEWBY BRIDGE

GRID REF SD371863 AREA 241. SQ. KM
 PERIOD OF RECORD 28 12 1938 TO 3 10 1969

LRA THRESHOLD 46.30 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
7 1 1939	39.96	83.44	2	13 10 1942	39.62	46.62	2
10 2 1939	39.75	59.97	2	18 1 1943	39.63	47.24	2
26 11 1939	39.66	50.97	2	29 1 1943	39.86	72.47	2
2 12 1939	39.93	79.85	2	6 2 1943	39.70	54.14	2
10 10 1940	39.76	61.29	2	30 8 1943	39.66	50.34	2
12 11 1940	39.64	48.78	2	6 10 1943	39.77	61.62	2
9 2 1941	39.66	50.34	2	25 1 1944	39.64	48.16	2
10 10 1941	39.66	50.97	2	2 12 1944	39.76	61.29	2
6 9 1942	39.66	50.34	2	18 12 1944	39.64	48.78	2
10 10 1942	39.62	46.62	2	5 2 1945	39.82	67.33	2
				26 10 1945	39.79	64.62	2

73001

LEVEN AT NEWBY BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 2 1946	39.64	48.78	2	8 2 1957	39.67	51.91	2
6 9 1946	39.66	50.34	2				
11 9 1946	39.68	52.86	2	28 10 1957	39.64	48.47	2
23 9 1946	39.69	53.50	2	15 2 1958	39.69	53.82	2
25 11 1946	39.84	69.37	2	8 10 1958	39.66	50.03	2
16 1 1947	39.80	64.96	2	13 10 1958	39.66	50.03	2
24 3 1947	39.86	71.78	2				
				27 10 1959	39.75	59.97	2
12 11 1947	39.80	65.97	2	27 12 1959	39.88	74.91	2
23 11 1947	39.97	84.52	2	23 1 1960	40.03	91.84	2
5 1 1948	39.84	69.37	2	3 2 1960	39.88	73.86	2
13 1 1948	39.68	52.55	2	1 3 1960	39.64	48.16	2
9 2 1948	39.69	53.50	2				
3 9 1948	39.70	54.14	2	4 12 1960	39.75	59.64	2
12 4 1949	39.66	50.03	2	27 10 1961	39.64	48.16	2
				11 12 1961	39.64	48.47	2
26 10 1949	39.65	49.72	2	16 1 1962	39.75	59.97	2
15 11 1949	39.71	55.74	2	12 2 1962	39.76	61.29	2
16 2 1950	39.73	57.36	2	11 8 1962	39.76	61.29	2
7 9 1950	39.72	57.03	2	27 8 1962	39.66	50.34	2
18 9 1950	39.68	52.23	2				
				10 9 1963	0.95	16.00	2
18 1 1951	39.67	51.60	2				
23 3 1951	39.66	50.34	2	13 11 1963	1.47	51.84	
				22 11 1963	1.59	61.92	1
21 11 1951	39.88	74.91	2				
24 11 1951	39.73	57.36	2	8 10 1964	1.43	48.78	
9 12 1951	39.70	55.10	2	9 12 1964	2.15	118.69	
28 12 1951	39.70	54.78	2	11 1 1965	1.64	66.88	
11 8 1952	39.70	55.10	2	17 1 1965	1.47	52.10	
3 9 1953	39.68	52.55	2	10 12 1965	1.55	58.67	
22 9 1953	39.75	59.97	2	18 12 1965	1.57	60.56	
				5 2 1966	1.46	50.82	
1 10 1953	39.99	87.06	2	25 2 1966	1.43	48.78	
16 11 1953	39.78	63.62	2				
27 11 1953	39.77	62.62	2	2 12 1966	1.45	50.05	
21 1 1954	39.71	55.42	2	19 12 1966	1.53	56.81	
16 9 1954	39.67	51.28	2	28 2 1967	1.47	52.10	
				6 9 1967	1.44	49.29	
19 10 1954	40.02	90.36	2				
29 10 1954	39.81	66.99	2	4 10 1967	1.64	66.60	
12 11 1954	39.73	58.34	2	7 10 1967	1.60	62.74	
28 11 1954	39.74	58.99	2	9 10 1967	2.18	121.39	2
2 12 1954	40.37	135.77	2	17 10 1967	1.72	74.56	
				24 3 1968	1.69	71.40	
28 12 1955	39.65	49.40	2	2 4 1968	1.46	50.82	
16 12 1956	39.63	47.85	2	2 10 1968	1.63	65.49	
5 1 1957	39.71	55.42	2	1 11 1968	1.60	62.74	

73002

CRAKE AT LOW NIBTHWAITE

GRID REF	SD294884	AREA	73.	SQ.KM	LRA	GRADE	A1
PERIOD OF RECORD	21	8 1963 TO	30 9 1969		THRESHOLD	10.00	CUMECs
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
3 10 1963	39.38	12.04		19 12 1966	39.59	18.45	1
21 11 1963	39.49	15.40	1	28 2 1967	39.34	10.74	1
11 5 1964	39.39	12.21		18 8 1967	39.32	10.32	
				6 9 1967	39.38	11.86	1
8 10 1964	39.43	13.49	1				
12 12 1964	39.88	29.68	1	9 10 1967	39.88	29.68	
10 1 1965	39.54	17.00		10 11 1967	39.38	11.95	1
25 9 1965	39.37	11.60	1	18 1 1968	39.54	16.90	1
				24 3 1968	39.37	11.51	
17 12 1965	39.50	15.69	1				
4 2 1966	39.49	15.40	1	2 10 1968	39.79	26.18	
25 2 1966	39.50	15.59	1	1 11 1968	39.53	16.59	
15 9 1966	39.45	14.05	1	21 1 1969	39.45	14.14	

FIVE INDEPENDENT PEAKS PER YEAR NOT POSSIBLE

73805

KENT AT KENDAL

GRID REF SD516919 AREA 182.6 SQ.KM
 PERIOD OF RECORD 13 11 1963 TO 2 10 1969

LRA THRESHOLD 76.00 GRADE A2
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
21 11 1963	2.45	123.72		17 12 1966	2.01	89.02	
30 12 1963	1.88	79.87		22 2 1967	2.21	104.10	2
7 10 1964	2.43	121.48		27 2 1967	2.78	151.42	
7 12 1964	2.91	162.55		30 7 1967	1.91	82.01	
8 12 1964	3.52	220.70		5 9 1967	2.10	95.77	
11 12 1964	2.95	166.69		1 10 1967	2.50	127.49	
10 1 1965	3.07	177.91		3 10 1967	2.25	107.41	
15 9 1965	1.90	81.15		6 10 1967	2.86	158.45	
9 12 1965	2.41	120.00		9 10 1967	2.95	166.69	
17 12 1965	2.52	129.51		14 10 1967	2.65	139.79	
5 2 1966	2.56	132.57		16 10 1967	2.52	129.51	
4 9 1966	2.62	137.20	2	22 12 1967	1.95	84.62	
12 9 1966	1.94	83.96		23 3 1968	3.18	188.23	
1 12 1966	1.99	87.91		31 10 1968	2.01	89.02	
				20 1 1969	1.93	83.53	

75002

DERWENT AT CAMERTON

GRID REF NY037305 AREA 663. SQ.KM
 PERIOD OF RECORD 12 8 1960 TO 1 10 1969

CURA THRESHOLD 113.50 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
16 11 1960	2.04	139.41		13 8 1966	2.46	192.05	
1 12 1960	2.16	153.43		4 9 1966	2.20	159.06	
5 1 1961	2.04	138.69		12 9 1966	2.10	145.64	
3 8 1961	1.82	113.94		1 12 1966	2.13	149.70	
27 10 1961	2.27	166.67		22 2 1967	1.92	124.37	
11 1 1962	1.84	115.66		27 2 1967	2.16	153.43	
15 1 1962	2.43	188.08		6 9 1967	1.84	115.66	
11 8 1962	2.14	151.56		4 10 1967	2.52	200.06	
26 8 1962	1.95	127.91		6 10 1967	2.45	190.06	
11 9 1962	1.95	127.91		9 10 1967	2.86	245.73	
14 3 1963	1.73	103.76		14 10 1967	2.31	172.43	
3 10 1963	2.16	153.43		16 10 1967	2.62	212.25	
12 11 1963	1.98	131.47		24 3 1968	2.38	180.99	
21 11 1963	2.46	192.05		1 4 1968	1.90	122.62	
23 11 1963	2.19	157.18		22 9 1968	1.90	122.04	
6 10 1964	2.46	192.05		28 9 1968	1.95	127.83	
9 12 1964	2.74	228.82		1 10 1968	2.65	216.12	
11 12 1964	2.65	216.36		1 11 1968	2.51	197.44	
11 1 1965	1.95	127.91		10 9 1969	1.84	115.20	

76002

EDEN AT WARWICK BRIDGE

GRID REF NY471567 AREA 1367. SQ.KM
 PERIOD OF RECORD 13 11 1959 TO 1 10 1969

CURA THRESHOLD 296.00 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 11 1959	2.92	296.89		12 2 1962	2.97	304.68	
27 12 1959	3.10	328.53		3 4 1962	3.42	386.93	
22 1 1960	3.74	449.11		26 8 1962	3.07	323.17	
3 2 1960	2.95	302.08		6 3 1963	3.47	395.58	
27 2 1960	3.04	317.84		12 11 1963	3.35	372.68	
2 11 1960	3.41	384.06		18 11 1963	3.32	367.04	
26 12 1960	3.59	419.04		21 11 1963	3.79	458.29	
6 2 1961	2.95	302.08		30 12 1963	3.09	325.84	
24 10 1961	2.97	304.68		7 10 1964	3.00	309.92	
11 12 1961	3.20	344.82		7 12 1964	4.20	544.26	
11 1 1962	3.38	378.35		9 12 1964	4.87	696.77	
16 1 1962	4.16	534.42					

76002

EDEN AT WARWICK BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
12 12 1964	3.83	466.93		5 9 1967	2.99	308.34	
11 1 1965	4.20	542.94		1 10 1967	3.20	344.82	
13 1 1965	3.23	350.32		3 10 1967	3.59	419.04	
26 9 1965	2.98	306.25		7 10 1967	3.48	396.74	
9 12 1965	3.35	372.68		9 10 1967	3.22	349.77	
5 2 1966	3.04	317.84	4	14 10 1967	3.41	384.06	
25 2 1966	3.26	355.86		17 10 1967	4.32	570.86	
14 8 1966	3.04	316.78		23 12 1967	3.10	328.53	
4 9 1966	3.32	367.04		19 3 1968	3.13	333.92	
1 12 1966	3.65	430.96		23 3 1968	5.91	860.00	2 8
23 2 1967	3.70	440.00		12 9 1968	3.42	385.24	
27 2 1967	4.34	574.22		31 10 1968	3.79	457.33	

76003

EAMONT AT UDFORD

GRID REF	NY575305	AREA	396. SQ. KM	CURA	THRESHOLD	92.30	GRADE B
PERIOD OF RECORD	20	4 1961 TO	1 10 1969				CUMECS
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
24 10 1961	1.60	105.08		8 12 1964	2.46	195.06	
26 10 1961	1.46	92.47		12 12 1964	1.95	139.39	
11 12 1961	1.61	106.51		10 1 1965	2.08	153.58	
10 1 1962	1.64	109.39		13 1 1965	1.64	109.39	
15 1 1962	2.20	166.53		9 12 1965	1.46	92.47	
12 2 1962	1.58	103.66		5 2 1966	1.55	100.82	
2 4 1962	1.49	95.23		25 2 1966	1.56	102.24	
11 8 1962	1.70	115.21		4 9 1966	1.76	121.13	
26 8 1962	1.95	139.39		1 12 1966	1.60	105.08	
29 9 1962	1.72	116.68		22 2 1967	1.72	116.68	
1 11 1962	1.46	92.47		27 2 1967	2.24	169.81	
3 11 1962	1.60	105.08		5 9 1967	1.60	105.08	
8 12 1962	1.63	107.95		1 10 1967	1.67	112.29	
5 3 1963	1.66	110.84		3 10 1967	1.88	133.22	
12 11 1963	1.85	130.16		6 10 1967	1.73	118.16	
18 11 1963	1.79	124.12		9 10 1967	1.72	116.68	
21 11 1963	2.10	155.18		14 10 1967	1.93	137.84	
25 11 1963	1.55	100.82		16 10 1967	2.01	145.64	
30 12 1963	1.52	98.02		26 10 1967	1.47	93.30	
6 10 1964	1.76	121.13		23 3 1968	2.54	274.92	
7 12 1964	2.20	166.53		31 10 1968	1.75	135.76	

76004

LOWTHER AT EAMONT BRIDGE

GRID REF	NY525285	AREA	159. SQ. KM	CURA	THRESHOLD	77.29	GRADE B
PERIOD OF RECORD	27	7 1962 TO	1 10 1969				CUMECS
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 8 1962	2.11	116.22		13 1 1965	1.93	92.88	
26 8 1962	2.14	120.41		9 12 1965	1.81	78.98	
29 9 1962	1.92	91.07		5 2 1966	2.04	106.13	
8 12 1962	1.82	80.65		25 2 1966	1.92	91.07	
5 3 1963	2.10	114.16		4 9 1966	2.10	114.16	
6 3 1963	2.04	106.13		1 12 1966	1.87	85.77	2
24 3 1963	1.87	85.77		22 2 1967	2.10	114.16	
12 11 1963	1.79	77.34		27 2 1967	2.68	208.14	
18 11 1963	1.98	98.43		5 9 1967	1.99	100.32	
21 11 1963	2.22	131.26		1 10 1967	2.04	106.13	
30 12 1963	1.98	98.43		3 10 1967	2.02	104.17	
6 10 1964	2.13	118.31		6 10 1967	1.99	100.32	
7 12 1964	2.56	185.62		7 10 1967	1.92	91.07	
8 12 1964	2.62	196.69		9 10 1967	1.96	96.56	
11 12 1964	2.16	122.54		14 10 1967	2.28	140.34	
10 1 1965	2.51	177.56		16 10 1967	2.13	118.31	

76004 LOWTHER AT EAMONT BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
19 3 1968	1.79	77.34		31 10 1968	1.95	94.62	
23 3 1968	2.80	231.55					

76005 EDEN AT TEMPLE SOWERBY

GRID REF NY604282 AREA 617. SQ.KM				CURA THRESHOLD 186.00 GRADE B CUMECS			
PERIOD OF RECORD 1 5 1964 TO 1 10 1969							
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
7 12 1964	3.54	313.41		22 2 1967	3.27	270.33	
8 12 1964	3.71	342.01		27 2 1967	3.54	313.41	4
12 12 1964	3.01	232.82		18 8 1967	2.92	219.90	
10 1 1965	3.50	307.93		3 10 1967	2.70	190.29	
25 9 1965	2.68	187.12		7 10 1967	3.16	254.20	
9 12 1965	2.77	199.94		16 10 1967	3.42	294.17	4
5 2 1966	2.76	198.31		23 12 1967	2.80	203.61	
25 2 1966	2.78	200.75		19 3 1968	2.86	211.48	
14 8 1966	2.85	210.64		23 3 1968	4.04	400.97	8
4 9 1966	2.92	219.90		12 9 1968	3.49	294.41	
3 10 1966	2.71	191.48		22 9 1968	2.67	186.77	
1 12 1966	3.32	278.81		31 10 1968	3.12	243.24	

76011 COAL BURN AT COALBURN

GRID REF NY693777 AREA 1.52 SQ.KM				CURA THRESHOLD 0.88 GRADE A1 CUMECS			
PERIOD OF RECORD 1 1 1967 TO 2 6 1971							
SIGNIFICANT GAPS							
17 12 1969 TO		23 12 1969		22 7 1970 TO		2 8 1970	
		22 12 1969		28 1 1971 TO		28 1 1971	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 2 1967		2.19		13 9 1968		1.37	
11 8 1967		1.05		20 12 1968		1.09	
1 10 1967		1.16		20 8 1969		2.04	8
3 10 1967		0.91		PUNCH TAPE PEAK USED			
6 10 1967		1.53		18 11 1969		1.24	
8 10 1967		2.70		24 2 1970		1.61	2
16 10 1967		1.79		25 10 1970		0.97	
1 11 1967		1.36		30 10 1970		0.89	2
19 3 1968		0.89		31 10 1970		2.13	2
23 3 1968		2.17					
1 4 1968		1.21					

77001 ESK AT NETHERBY

GRID REF NY390718 AREA 842. SQ.KM				CURA THRESHOLD 400.40 GRADE A1 CUMECS			
PERIOD OF RECORD 24 8 1961 TO 1 10 1969							
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
15 1 1962	3.10	585.44		6 10 1964	4.12	1061.00	
11 2 1962	3.01	550.10		7 12 1964	3.20	622.02	
2 4 1962	2.75	456.64		8 12 1964	3.45	732.52	
7 4 1962	2.59	401.33		11 12 1964	2.89	504.89	
11 8 1962	3.51	757.23		29 12 1964	3.56	780.99	
26 8 1962	3.33	679.25		10 1 1965	3.22	633.24	
9 9 1962	3.29	659.86		25 9 1965	2.59	401.33	
11 9 1962	2.95	527.22		31 10 1965	2.76	459.77	
8 12 1962	2.63	416.02		9 12 1965	2.93	518.22	
14 3 1963	2.92	515.99		17 12 1965	2.74	451.44	
9 9 1963	2.64	418.99		5 2 1966	3.20	622.02	
25 9 1963	3.09	579.46		25 2 1966	3.04	561.74	
18 11 1963	3.07	571.15		13 8 1966	3.44	725.73	
21 11 1963	2.95	524.96		4 9 1966	3.96	976.52	
23 11 1963	3.00	544.33		12 9 1966	2.75	456.64	

77001 ESK AT NETHERBY

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 2 1967	3.10	585.44		14 10 1967	2.80	472.42	
5 9 1967	2.60	406.20		16 10 1967	2.62	411.09	
				23 3 1968	2.86	492.84	
1 10 1967	3.04	561.74					
6 10 1967	2.76	459.77		11 10 1968	2.65	420.40	
9 10 1967	4.11	1058.00		20 12 1968	3.48	741.70	

77011 ESK AT CANONBIE

GRID REF NY397751 AREA 495. SQ. KM
 PERIOD OF RECORD 5 10 1962 TO 4 10 1969

SRPB THRESHOLD 190.00 GRADE B CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
8 12 1962	2.01	194.33		17 12 1965	2.28	242.33	
5 3 1963	2.25	236.26		5 2 1966	2.68	319.52	
14 3 1963	2.86	357.87		25 2 1966	2.71	325.88	
24 3 1963	2.19	225.41		13 8 1966	2.81	345.95	
25 9 1963	2.56	294.09		4 9 1966	3.35	473.70	
				12 9 1966	2.35	253.54	
10 11 1963	2.01	194.33					
12 11 1963	2.10	209.60		19 12 1966	2.13	214.29	
18 11 1963	2.65	312.60		27 2 1967	2.70	323.96	
21 11 1963	2.37	258.67		1 8 1967	2.68	320.15	
23 11 1963	2.40	264.42		5 9 1967	2.32	248.47	
6 10 1964	3.58	531.69		1 10 1967	2.56	294.69	
7 12 1964	2.44	270.82		6 10 1967	2.19	225.95	
8 12 1964	2.83	351.89		9 10 1967	3.70	562.70	
11 12 1964	2.19	225.41		14 10 1967	2.38	259.24	
29 12 1964	3.14	421.77		16 10 1967	2.07	204.96	
10 1 1965	2.65	312.60		23 3 1968	2.20	226.37	
25 9 1965	2.01	194.83					
				11 10 1968	2.20	226.37	
31 10 1965	2.22	230.81		20 12 1968	3.20	434.75	
9 12 1965	2.31	247.90					

78004 KINNEL AT REDHALL

GRID REF NY078868 AREA 76.1 SQ. KM
 PERIOD OF RECORD 20 11 1960 TO 2 4 1970

DAFS THRESHOLD 32.00 GRADE B CUMECs

SIGNIFICANT GAPS

28 10 1965 TO 21 6 1966

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 11 1960	1.54	40.81		1 12 1966	1.53	41.21	
25 12 1960	1.41	32.81		19 12 1966	1.50	38.44	
12 9 1961	1.41	32.46		27 2 1967	2.04	80.13	
				21 5 1967	1.62	46.41	
15 1 1962	1.66	49.02		5 9 1967	1.62	46.41	
7 4 1962	1.46	35.57		29 9 1967	1.57	42.84	
11 8 1962	1.54	40.81					
26 8 1962	1.69	51.24		1 10 1967	1.73	54.21	
9 9 1962	1.72	53.29		9 10 1967	2.07	82.98	
29 9 1962	1.71	52.60		14 10 1967	1.62	46.20	
				23 3 1968	1.62	45.98	
8 12 1962	1.56	42.02		1 4 1968	1.54	41.01	
25 9 1963	1.53	40.41		3 5 1968	1.67	49.46	
				20 9 1968	1.52	39.42	
18 11 1963	1.45	34.82		27 9 1968	1.62	45.98	
6 10 1964	1.68	50.57		19 10 1968	1.67	49.68	
7 12 1964	1.52	39.42		23 11 1968	1.58	43.46	
11 12 1964	1.57	43.05		20 12 1968	2.00	76.28	
29 12 1964	1.49	37.47		22 12 1968	1.42	32.97	
18 6 1965	1.86	64.37					
				3 11 1969	1.47	36.00	
13 8 1966	2.25	101.08		21 12 1969	1.66	48.71	
2 9 1966	1.64	47.70		18 1 1970	1.59	43.80	
4 9 1966	1.88	66.41		2 2 1970	1.65	48.00	
11 9 1966	1.69	51.24		19 2 1970	1.56	41.78	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1965-1966

79002

NITH AT FRIARS CARSE

GRID REF NX923851 AREA 799. SQ.KM
PERIOD OF RECORD 1 7 1957 TO 3 4 1970

DAFS THRESHOLD 282.00 GRADE B CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
28 1 1958	2.79	290.45		18 3 1963	3.08	338.90	
28 7 1958	2.95	316.87		25 9 1963	2.80	291.45	
10 8 1958	2.77	286.47		12 11 1963	3.04	332.01	
29 9 1958	3.42	401.75		18 11 1963	3.16	352.84	
12 12 1958	3.37	391.53		24 11 1963	2.78	289.46	
17 10 1959	3.42	400.61		18 8 1964	2.82	295.96	
26 10 1959	2.81	294.45		7 10 1964	3.61	437.78	
21 1 1960	3.00	325.71		8 12 1964	2.91	309.66	
3 2 1960	2.81	294.45		11 12 1964	3.94	503.57	
26 2 1960	2.86	302.02		10 1 1965	2.91	310.69	
14 9 1960	3.75	464.73		13 1 1965	3.09	342.09	
10 11 1960	2.85	301.01		9 12 1965	3.04	332.01	
30 11 1960	3.69	452.07		25 2 1966	3.23	365.37	
8 8 1961	3.08	338.90		13 8 1966	5.04	750.47	
23 10 1961	2.94	315.83		4 9 1966	3.07	338.36	
24 10 1961	3.81	476.92		5 10 1966	2.88	304.56	
7 11 1961	2.91	310.69		19 12 1966	2.90	308.64	
10 12 1961	2.75	283.50		27 2 1967	3.39	396.06	
8 1 1962	3.02	329.38		9 10 1967	3.73	459.89	
15 1 1962	6.00	997.44		2 7 1968	2.95	317.90	
12 2 1962	3.66	447.28		12 9 1968	2.92	312.23	
7 4 1962	2.77	287.96		28 9 1968	2.92	311.20	
3 8 1962	3.30	379.19		19 10 1968	3.37	390.97	
26 8 1962	3.29	376.41		21 12 1968	2.90	307.84	
9 9 1962	3.23	365.37		14 12 1969	3.44	403.81	
11 9 1962	2.86	302.02		21 12 1969	3.21	361.62	
30 9 1962	4.69	666.71		18 1 1970	2.76	284.75	
1 10 1962	2.92	311.20		19 1 1970	2.77	286.37	
8 12 1962	4.47	617.49		1 2 1970	3.57	428.51	
14 3 1963	2.98	322.06					

79003

NITH AT HALL BRIDGE

GRID REF NS684129 AREA 155. SQ.KM
PERIOD OF RECORD 15 10 1959 TO 5 4 1970

DAFS THRESHOLD 45.00 GRADE B CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 10 1959	1.90	64.81		8 12 1962	1.84	60.47	
26 10 1959	1.93	66.93		12 11 1963	2.09	78.75	
9 12 1959	1.90	64.81		18 11 1963	1.80	58.07	
21 1 1960	1.84	60.47		21 11 1963	1.62	46.80	
3 2 1960	1.82	59.67		24 11 1963	1.68	50.78	
26 2 1960	1.72	52.84		7 10 1964	2.19	86.38	
5 3 1960	1.71	52.27		8 12 1964	1.61	46.62	
14 9 1960	1.79	57.67		12 12 1964	1.82	59.67	
2 11 1960	1.63	47.33		10 1 1965	1.70	51.90	
11 11 1960	2.10	79.22		13 1 1965	1.78	57.08	
30 11 1960	1.85	61.70		1 11 1965	1.79	57.67	
8 8 1961	2.15	83.23		9 12 1965	1.86	61.90	
17 10 1961	1.66	49.13		25 2 1966	1.70	51.90	
24 10 1961	1.99	71.27		14 8 1966	2.27	92.84	
7 11 1961	1.71	52.27		29 11 1966	1.81	58.66	
11 12 1961	1.66	49.13		17 12 1966	1.70	51.71	
8 1 1962	1.86	62.31		19 12 1966	2.12	80.62	
15 1 1962	3.50	225.09	2	27 2 1967	1.76	55.32	
11 2 1962	1.91	65.23		22 5 1967	1.62	47.15	
2 4 1962	1.62	46.80		5 9 1967	1.63	47.87	
7 4 1962	1.70	51.90		9 10 1967	2.12	81.09	
26 8 1962	1.64	48.23		16 1 1968	1.64	48.23	
9 9 1962	1.81	58.66		2 7 1968	1.74	53.98	
12 9 1962	1.71	52.65					
30 9 1962	1.95	68.00					

79003 NITH AT HALL BRIDGE

DATE	LEVEL	DISCHARGE	NOTE
12 9 1968	1.90	64.60	
29 9 1968	1.63	47.69	
2 10 1968	1.68	50.41	
19 10 1968	1.67	49.68	
22 12 1968	1.64	47.88	

DATE	LEVEL	DISCHARGE	NOTE
22 11 1969	1.75	54.58	
14 12 1969	1.88	63.10	
21 12 1969	1.78	56.49	
18 1 1970	1.71	52.09	
2 2 1970	1.98	70.08	
21 2 1970	1.76	55.21	
23 2 1970	1.80	57.78	

79004 SCAR AT CAPENOCH

GRID REF NX845940 AREA 142. SQ.KM
 PERIOD OF RECORD 20 9 1963 TO 2 4 1970

DAFS THRESHOLD 81.55 GRADE B CUMECs

DATE	LEVEL	DISCHARGE	NOTE
25 9 1963	2.54	135.57	
10 11 1963	2.07	92.80	
12 11 1963	2.07	92.80	
18 11 1963	2.46	127.87	
24 11 1963	2.01	87.83	
17 8 1964	2.13	97.89	
6 10 1964	2.42	123.81	
7 12 1964	2.00	87.59	
8 12 1964	2.17	101.53	
11 12 1964	2.94	177.85	
29 12 1964	2.12	97.38	
10 1 1965	1.97	84.91	
13 1 1965	2.20	103.64	
26 3 1965	2.00	87.59	
6 9 1965	2.42	124.39	
31 10 1965	2.15	99.97	
9 12 1965	2.11	96.10	
17 12 1965	2.06	92.30	
25 2 1966	2.63	144.09	
22 4 1966	1.95	83.47	

DATE	LEVEL	DISCHARGE	NOTE
13 8 1966	3.03	187.85	
3 9 1966	2.54	135.27	
5 10 1966	2.37	119.53	
27 2 1967	2.53	134.67	
24 9 1967	1.98	85.39	
9 10 1967	2.90	172.78	
14 10 1967	2.04	90.30	
23 3 1968	2.06	92.30	
2 7 1968	2.24	107.92	
12 9 1968	2.41	122.66	
28 9 1968	2.31	114.21	
19 10 1968	2.40	122.38	
22 12 1968	2.35	117.00	
2 11 1969	1.94	82.54	
13 12 1969	2.20	103.59	
21 12 1969	2.38	119.77	
18 1 1970	2.11	95.91	
1 2 1970	2.36	117.92	

79005 CLUDEN AT FIDDLERS FORD

GRID REF NX928795 AREA 238. SQ.KM
 PERIOD OF RECORD 7 10 1963 TO 26 9 1970

DAFS THRESHOLD 71.60 GRADE A2 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
10 11 1963	1.82	78.28	
12 11 1963	1.74	73.40	
18 11 1963	2.14	101.02	
23 11 1963	2.14	101.02	
7 10 1964	2.18	103.98	
8 12 1964	1.91	84.34	
12 12 1964	2.26	110.00	
28 12 1964	1.98	89.70	
10 1 1965	1.91	84.56	
13 1 1965	2.17	103.29	
1 11 1965	1.87	81.61	
9 12 1965	2.05	94.52	
18 12 1965	1.84	79.73	
6 1 1966	1.74	72.99	
5 2 1966	1.79	76.44	
25 2 1966	2.13	100.11	
22 4 1966	1.73	72.59	
14 8 1966	2.07	95.85	
4 9 1966	2.01	91.66	
6 10 1966	1.84	79.73	

DATE	LEVEL	DISCHARGE	NOTE
1 12 1966	1.85	80.77	
20 12 1966	1.81	78.08	
27 2 1967	1.96	88.19	
2 10 1967	1.78	75.42	
9 10 1967	2.74	149.00	
14 10 1967	1.90	83.71	
23 3 1968	1.86	81.40	
12 9 1968	1.91	84.56	
29 9 1968	1.83	79.32	
20 10 1968	2.12	99.43	
1 11 1968	1.83	78.90	
23 11 1968	1.72	71.79	
20 12 1968	1.98	89.18	
22 12 1968	1.77	74.75	
14 12 1969	2.58	135.46	
22 12 1969	2.45	124.82	
18 1 1970	2.10	97.85	
20 1 1970	1.78	75.42	
2 2 1970	1.93	85.66	
20 2 1970	2.11	98.59	

80001 URR AT DALBEATTIE

GRID REF NX822610 AREA 199. SQ.KM
 PERIOD OF RECORD 29 10 1963 TO 3 10 1969

SRPB THRESHOLD 56.00 GRADE B CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 11 1963	2.04	64.61		13 8 1966	1.98	61.23	
18 11 1963	2.31	81.59		4 9 1966	2.13	70.31	
24 11 1963	2.31	81.59					
7 10 1964	2.38	86.71		3 10 1966	1.89	56.08	
11 12 1964	2.51	95.65		1 12 1966	2.28	79.99	
29 12 1964	2.07	66.42		27 2 1967	2.18	73.53	
10 1 1965	1.95	59.84					
13 1 1965	1.92	57.60		1 10 1967	2.03	64.43	
18 6 1965	2.05	65.51		9 10 1967	2.67	106.85	
				14 10 1967	2.32	82.61	
31 10 1965	1.89	56.08		17 10 1967	2.19	73.91	
9 12 1965	2.06	65.69		23 3 1968	2.10	68.07	
17 12 1965	2.01	63.00		2 7 1968	2.05	65.07	
5 1 1966	1.91	57.09		29 9 1968	1.90	56.48	
5 2 1966	2.13	70.12					
25 2 1966	2.39	87.34		20 10 1968	2.30	80.71	
22 4 1966	1.98	61.23		31 10 1968	2.35	84.03	
				20 12 1968	2.30	80.71	

80801 PULLAUGH BURN DIVERSION WORKS

GRID REF NX544742 AREA 18.2 SQ.KM
 PERIOD OF RECORD 13 12 1961 TO 28 9 1970

SSEB THRESHOLD 9.50 GRADE A CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 9 1962		10.36		19 12 1966		13.10	
6 3 1963		10.92					
14 3 1963		10.44		9 10 1967		12.28	
24 9 1963		15.96		13 1 1968		11.18	
				4 2 1968		10.13	
9 11 1963		9.88		23 3 1968		9.62	
11 11 1963		10.07		1 7 1968		12.31	
16 11 1963		9.68		28 9 1968		12.31	
23 11 1963		10.19					
11 12 1964		11.97		2 10 1968		9.54	
				19 10 1968		10.50	
9 12 1965		13.81		1 11 1968		10.13	
17 12 1965		15.54		21 11 1968		11.07	
5 2 1966		15.14		23 11 1968		10.41	
25 2 1966		13.39		20 12 1968		9.99	
13 8 1966		16.33					
				22 11 1969		10.22	
7 10 1966		11.55		21 12 1969		13.53	
1 12 1966		12.85		1 2 1970		9.76	
15 12 1966		10.36		19 2 1970		11.40	
				24 7 1970		10.24	

81002 CREE AT NEWTON STEWART

GRID REF NX412653 AREA 370. SQ.KM
 PERIOD OF RECORD 24 4 1963 TO 6 10 1969

SRPB THRESHOLD 127.50 GRADE B CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 9 1963	2.65	218.58		8 12 1965	2.08	132.71	
				15 12 1965	2.35	170.74	
3 10 1963	2.20	149.17		13 8 1966	2.71	230.19	
12 11 1963	2.50	194.85		4 9 1966	2.13	139.58	
18 11 1963	2.16	143.70					
24 11 1963	2.24	154.30		3 10 1966	2.13	139.58	
9 6 1964	2.20	149.59		1 12 1966	2.19	147.47	
SPIKE ON PEAK IGNORED				19 12 1966	2.57	205.27	
22 9 1964	2.53	198.78		1 4 1967	2.51	196.32	
				17 7 1967	2.13	139.17	
7 10 1964	2.19	147.90		5 9 1967	2.04	127.97	
11 12 1964	2.29	161.74					
13 1 1965	2.16	144.12		9 10 1967	2.95	272.80	
23 1 1965	2.13	139.58		13 1 1968	2.13	139.09	
				2 7 1968	2.42	180.91	

81002 CREE AT NEWTON STEWART

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 10 1968	2.19	147.26		31 10 1968	2.33	167.30	
19 10 1968	2.40	177.84		22 11 1968	2.33	167.30	

82001 GIRVAN AT ROBSTONE

GRID REF NX217997 AREA 246. SQ.KM
 PERIOD OF RECORD 4 9 1963 TO 29 9 1970

DAFS THRESHOLD 60.00 GRADE B CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
3 10 1963	1.95	64.66		1 12 1966	1.98	66.04	
8 10 1963	2.10	72.15		17 12 1966	1.95	64.66	
21 10 1963	1.96	65.43		19 12 1966	2.46	92.11	
12 11 1963	2.38	87.52		28 12 1966	1.89	61.76	
18 11 1963	2.14	74.70		27 2 1967	1.93	63.89	
21 11 1963	2.06	70.09		5 9 1967	1.92	62.98	
23 11 1963	2.06	70.41		1 10 1967	1.92	62.98	
8 9 1964	1.92	62.98		9 10 1967	2.63	101.49	
22 9 1964	2.22	78.90		4 2 1968	2.15	75.02	
7 10 1964	2.21	78.09		1 4 1968	2.00	67.44	
8 12 1964	1.87	60.56		3 7 1968	2.56	97.81	
12 12 1964	2.30	82.85		1 10 1968	2.04	69.15	
10 1 1965	1.87	60.56		31 10 1968	1.94	64.35	
13 1 1965	2.11	72.94		27 11 1968	2.11	72.78	
9 9 1965	2.00	67.44		21 12 1969	2.17	75.81	
9 12 1965	1.88	61.46		1 1 1970	1.93	63.47	
14 8 1966	2.48	92.96		19 2 1970	2.21	77.94	
29 11 1966	2.12	73.58		22 4 1970	1.96	64.97	
				16 8 1970	2.12	73.18	

83002 GARNOCK AT DALRY

GRID REF NS293488 AREA 88.8 SQ.KM
 PERIOD OF RECORD 9 10 1959 TO 30 9 1970
 SIGNIFICANT GAPS
 24 9 1970 TO 30 9 1970

DAFS THRESHOLD 36.62 GRADE A CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 10 1959	2.01	48.86		26 3 1965	1.77	39.12	
12 4 1960	1.86	42.96		24 6 1965	1.84	42.11	
13 9 1960	2.06	51.20		4 8 1965	1.88	43.82	
26 12 1960	1.82	41.38	2	20 8 1965	1.70	36.79	
20 4 1961	1.76	39.00		15 9 1965	2.28	61.10	
3 8 1961	1.99	48.35		4 10 1965	1.77	39.12	
8 8 1961	2.73	82.74		31 10 1965	1.91	44.81	
28 9 1961	2.12	53.84		9 12 1965	1.84	41.87	
6 10 1961	1.86	42.84		4 2 1966	1.81	40.78	
17 10 1961	1.88	43.82		22 2 1966	1.80	40.43	
7 11 1961	1.80	40.31		25 2 1966	1.95	46.44	
4 12 1961	1.76	39.00		13 8 1966	1.82	41.26	
15 2 1962	1.76	39.00		3 9 1966	1.99	48.22	
10 8 1962	1.80	40.34		14 9 1966	1.88	43.70	
25 8 1962	1.87	43.09		5 10 1966	1.95	46.31	
9 9 1962	2.14	54.64		17 12 1966	2.14	54.51	
11 9 1962	1.86	42.84		19 12 1966	2.14	54.64	
20 12 1962	1.85	42.35		6 10 1967	2.04	50.41	
10 11 1963	1.74	38.18		9 10 1967	2.08	52.11	
24 11 1963	1.93	45.56		18 1 1968	2.14	54.78	
9 9 1964	1.95	46.69		12 9 1968	1.86	42.72	
21 9 1964	1.96	46.95		2 10 1968	1.94	46.06	
11 12 1964	1.82	41.14		9 10 1968	1.87	43.09	
7 1 1965	1.71	37.14		22 11 1968	2.11	53.17	
8 1 1965	1.77	39.36		2 11 1969	2.47	69.65	
23 1 1965	1.79	40.19		2 12 1969	2.15	54.83	

83802

IRVINE AT KILMARNOCK

GRID REF	NS430369	AREA	218.	SQ. KM	G&K	GRADE	B
PERIOD OF RECORD	29	8 1913 TO	3 1 1969		THRESHOLD	48.00 CUMECs	
SIGNIFICANT GAPS							
6 1 1916 TO	10 1 1916	16 11 1919 TO	20 11 1919	1 12 1919 TO	15 12 1919		
29 12 1919 TO	31 1 1920	7 2 1920 TO	17 2 1920	22 3 1920 TO	29 3 1920		
3 5 1920 TO	6 5 1920	16 5 1920 TO	31 5 1920	23 6 1920 TO	23 8 1920		
1 10 1920 TO	7 10 1920	19 3 1921 TO	21 4 1921	29 4 1922 TO	1 5 1922		
12 11 1926 TO	19 11 1926	4 11 1927 TO	18 11 1927	6 8 1928 TO	7 6 1928		
16 11 1928 TO	23 11 1928	12 6 1931 TO	6 7 1931	4 12 1931 TO	11 12 1931		
29 7 1932 TO	31 7 1932	16 3 1933 TO	19 3 1933	20 7 1934 TO	27 7 1934		
10 2 1939 TO	17 2 1939	21 5 1943 TO	24 5 1943	4 6 1943 TO	18 6 1943		
21 1 1944 TO	28 1 1944	4 4 1947 TO	11 4 1947	25 4 1947 TO	2 5 1947		
27 12 1948 TO	31 12 1948	9 9 1949 TO	16 9 1949	1 4 1950 TO	11 4 1950		
13 4 1951 TO	20 4 1951	25 1 1952 TO	1 2 1952	13 11 1953 TO	20 11 1953		
30 1 1962 TO	17 2 1962	14 8 1964 TO	17 8 1964	16 4 1965 TO	30 4 1965		
1 8 1965 TO	6 8 1965	30 6 1968 TO	3 7 1968				

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
16 8 1970	1.83	41.43		20 8 1923	1.34	72.55	9
3 12 1913	1.21	65.49		27 9 1923	1.19	64.09	
14 3 1914	0.97	50.95					
				2 11 1923	1.21	65.49	
28 11 1914	1.20	64.79		13 1 1924	1.21	65.49	
1 2 1915	1.11	59.85		29 9 1924	0.93	48.57	
26 2 1915	1.04	54.96					
				6 10 1924	0.96	50.15	
15 2 1916	0.80	40.01		21 11 1924	0.95	49.36	
				23 11 1924	0.99	51.75	
5 10 1916	0.96	50.15		8 2 1925	0.97	50.95	
10 10 1916	0.95	49.36		31 3 1925	1.06	56.58	
14 10 1916	1.04	54.96		17 4 1925	1.29	69.72	
25 11 1916	0.93	48.57		27 5 1925	1.05	55.77	
28 12 1916	0.95	49.36					
				23 1 1926	1.13	60.57	
24 10 1917	1.01	53.35		14 2 1926	0.96	50.15	
5 11 1917	1.24	66.90		27 2 1926	1.04	54.96	
24 11 1917	1.15	61.98		5 3 1926	1.10	59.03	
26 11 1917	1.07	57.40		14 9 1926	1.19	64.09	4
29 11 1917	0.99	51.75					
29 11 1917	1.37	73.96		1 10 1926	1.05	55.77	
19 12 1917	1.02	54.16		7 1 1927	0.96	50.15	
21 2 1918	1.02	54.16		28 9 1927	1.16	62.68	
2 10 1918	1.04	54.96		21 10 1927	1.06	56.58	
22 12 1918	0.93	48.57		25 10 1927	1.06	56.58	
15 1 1919	0.96	50.15		31 10 1927	1.25	67.61	
17 3 1919	1.04	54.96		2 11 1927	1.33	71.84	
12 9 1919	0.96	50.15		GLENFIELD AND KENNEDY CONFIRM PEAK			
25 9 1919	1.19	64.09		3 11 1927	1.29	69.72	
29 9 1919	1.09	58.21		6 1 1928	1.13	60.57	
				7 1 1928	1.16	62.68	
16 12 1919	1.21	65.49		12 1 1928	1.01	53.35	
19 12 1919	0.93	48.57		14 1 1928	1.01	53.35	
22 12 1919	1.21	65.49		18 1 1928	1.11	59.85	
25 12 1919	0.95	49.36		23 1 1928	0.93	48.57	
17 8 1920	1.98	101.51		4 2 1928	1.21	65.49	
FROM GLENFIELD AND KENNEDY RECORDS							
30 12 1920	1.05	55.77		18 10 1928	1.09	58.21	
8 1 1921	1.01	53.35		29 10 1928	1.06	56.58	
10 1 1921	1.24	66.90		23 11 1928	1.29	69.72	
17 1 1921	0.99	51.75		GLENFIELD AND KENNEDY CONFIRM PEAK			
25 1 1921	0.97	50.95		25 12 1928	1.04	54.96	
9 3 1921	0.93	48.57					
10 8 1921	1.06	56.58		11 11 1929	1.02	54.16	
29 8 1921	1.09	58.21		26 11 1929	0.96	50.15	
				11 12 1929	0.97	50.95	
6 10 1921	0.95	49.36		13 12 1929	1.07	57.40	
22 10 1921	0.99	51.75		13 12 1929	0.97	50.95	
8 12 1921	0.99	51.75		25 12 1929	1.07	57.40	
21 12 1921	1.29	69.72		1 1 1930	1.14	61.27	
30 12 1921	1.19	64.09		10 1 1930	1.14	61.27	
1 1 1922	1.19	64.09		19 8 1930	1.16	62.68	
9 1 1922	1.21	65.49					
15 5 1922	1.37	73.96		29 10 1930	1.00	52.55	
				21 11 1930	1.02	54.16	
22 7 1923	1.09	58.21		12 12 1930	1.02	54.16	
				16 1 1931	1.18	63.38	

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IRVINE AT KILMARNOCK

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
29 7 1931	0.95	49.36		3 9 1942	0.97	50.95	
14 11 1931	1.02	54.16		9 10 1942	1.06	56.58	
23 11 1931	1.24	66.90		15 10 1942	0.93	48.57	
3 1 1932	2.36	141.00		5 12 1942	0.99	51.75	
GLENFIELD AND KENNEDY CONFIRM PEAK				5 2 1943	0.93	48.57	
7 9 1932	0.99	51.75		11 2 1943	1.16	62.68	
10 9 1932	1.14	61.27		3 10 1943	1.01	53.35	
7 10 1932	1.01	53.35		4 10 1943	0.97	50.95	
17 10 1932	0.93	48.57		17 10 1943	0.96	50.15	
22 11 1932	1.06	56.58		2 1 1944	1.02	54.16	
29 11 1932	1.06	56.58		8 1 1944	1.06	56.58	
2 12 1932	1.02	54.16		19 1 1944	0.96	50.15	
16 12 1932	1.38	74.67		2 7 1944	1.32	71.13	
17 12 1932	1.19	64.09		5 9 1944	0.97	50.95	
19 12 1932	1.37	73.96		29 9 1944	1.13	60.57	
14 1 1933	0.96	50.15		11 10 1944	1.02	54.16	
31 1 1933	1.09	58.21		20 10 1944	1.05	55.77	
4 2 1933	1.09	58.21		5 11 1944	1.24	66.90	
9 3 1933	1.14	61.27		GLENFIELD AND KENNEDY CONFIRM PEAK			
12 4 1934	1.06	56.58		18 1 1945	1.09	58.21	
19 5 1934	0.93	48.57		30 1 1945	1.04	54.96	
26 9 1934	1.06	56.58		3 2 1945	1.58	84.58	
30 10 1934	1.06	56.58		GLENFIELD AND KENNEDY CONFIRM PEAK			
9 12 1934	1.06	56.58		26 2 1945	1.09	58.21	
1 2 1935	1.24	66.90		16 5 1945	1.09	58.21	
16 2 1935	1.29	69.72		16 9 1945	0.93	48.57	
20 2 1935	1.10	59.03		24 10 1945	1.52	81.88	8
24 6 1935	0.97	50.95		4 1 1946	0.97	50.95	
18 9 1935	1.20	64.79		13 9 1946	1.07	57.40	
20 9 1935	0.95	49.36		14 9 1946	1.09	58.21	
27 10 1935	0.99	51.75		21 11 1946	1.01	53.35	
25 7 1936	1.00	52.55		1 1 1947	0.93	48.57	
18 10 1936	1.14	61.27		16 9 1947	0.97	50.95	
24 10 1936	1.14	61.27		8 11 1947	0.97	50.95	
13 12 1936	1.19	64.09		11 11 1947	1.07	57.40	
29 12 1936	0.93	48.57		21 11 1947	1.02	54.16	
3 1 1937	0.97	50.95		22 11 1947	1.37	73.96	
2 2 1937	0.95	49.36		1 1 1948	1.40	76.08	
22 12 1937	0.95	49.36		11 1 1948	1.14	61.27	
23 12 1937	1.04	54.96		6 6 1948	1.39	75.37	
27 6 1938	1.18	63.38		3 7 1948	1.30	70.43	
13 7 1938	1.11	59.85		31 8 1948	1.10	59.03	
30 7 1938	1.18	63.38		15 9 1948	1.87	96.73	8
17 9 1938	1.01	53.35		26 9 1948	1.09	58.21	
3 10 1938	1.30	70.43		10 10 1948	1.04	54.96	
4 10 1938	1.02	54.16		13 10 1948	0.99	51.75	
8 10 1938	1.18	63.38		23 10 1948	1.04	54.96	
12 10 1938	1.06	56.58		17 11 1948	1.04	54.96	
3 11 1938	1.21	65.49		12 12 1948	1.06	56.58	
7 1 1939	1.04	54.96		7 1 1949	1.85	95.69	
6 2 1939	0.97	50.95		20 2 1949	1.15	61.98	
8 2 1939	1.10	59.03		22 2 1949	1.16	62.68	
8 3 1939	1.15	61.98		12 4 1949	0.96	50.15	
7 11 1939	1.14	61.27		8 8 1949	1.00	52.55	
14 11 1939	1.14	61.27		25 10 1949	1.70	89.39	
30 11 1939	1.11	59.85		12 11 1949	0.93	48.57	
3 12 1939	1.01	53.35		2 12 1949	1.42	76.79	
16 9 1940	1.20	64.79		6 12 1949	0.97	50.95	
2 11 1940	1.13	60.57		25 12 1949	1.11	59.85	
6 12 1940	1.10	59.03		15 2 1950	1.01	53.35	
18 12 1940	1.10	59.03		22 3 1950	1.15	61.98	
23 5 1941	1.28	69.02		6 9 1950	1.46	78.91	
16 8 1941	1.25	67.61		11 9 1950	1.27	68.31	
17 8 1941	1.04	54.96		17 9 1950	1.52	81.88	
3 1 1942	1.01	53.35		25 9 1950	0.99	51.75	
				30 9 1950	0.97	50.95	
				16 1 1951	1.58	84.58	

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IRVINE AT KILMARNOCK

DATE	LEVEL	DISCHARGE	NOTE
22 3 1951	1.21	65.49	
13 9 1951	1.07	57.40	
3 12 1951	1.05	55.77	
8 12 1951	1.06	56.58	
6 2 1952	1.23	66.20	
25 9 1952	0.97	50.95	
27 1 1953	1.53	82.43	
12 11 1953	1.10	59.03	
15 11 1953	2.08	108.82	
LEVEL OBTAINED FROM SUMMARY			
3 12 1953	1.94	99.31	
20 1 1954	0.95	49.36	
31 8 1954	1.00	52.55	
15 10 1954	1.93	98.80	
18 10 1954	1.71	89.91	
29 10 1954	1.75	91.50	
10 12 1955	1.25	67.61	
27 12 1955	1.32	71.13	
1 3 1956	1.38	74.67	
4 12 1956	1.21	65.49	
10 12 1956	1.11	59.85	
14 12 1956	1.02	54.16	
25 1 1957	1.01	53.35	
24 2 1957	0.96	50.15	
15 3 1957	0.96	50.15	
19 3 1957	1.00	52.55	
7 12 1957	1.52	81.88	
22 12 1957	1.04	54.96	
28 7 1958	1.05	55.77	
9 8 1958	0.96	50.15	
6 10 1958	1.04	54.96	
12 12 1958	1.02	54.16	
26 10 1959	1.72	90.44	
31 1 1960	1.09	58.21	
27 2 1960	1.24	66.90	
14 9 1960	0.97	50.95	
30 11 1960	1.01	53.35	
25 12 1960	1.14	61.27	
GLENFIELD AND KENNEDY CONFIRM PEAK			
5 2 1961	0.95	49.36	
3 8 1961	1.09	58.21	
8 8 1961	2.59	227.00	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
1919-1920 1961-1962

DATE	LEVEL	DISCHARGE	NOTE
28 9 1961	0.93	48.57	
17 10 1961	1.42	76.79	9
7 11 1961	1.19	64.09	
5 12 1961	1.02	54.16	
10 12 1961	0.93	48.57	
RECORDER OUT OF ACTION UNTIL 22/2/1962			
6 4 1962	1.18	63.38	
10 8 1962	1.10	59.03	
26 8 1962	1.43	77.50	
3 9 1962	0.99	51.75	
9 9 1962	1.62	86.19	
11 9 1962	1.14	61.27	
8 12 1962	1.02	54.16	
3 10 1963	0.97	50.95	
8 10 1963	0.95	49.36	
9 10 1963	1.30	70.43	
12 11 1963	1.52	81.88	
18 11 1963	1.13	60.57	
23 11 1963	1.01	53.35	
23 11 1963	1.16	62.68	
7 3 1964	1.00	52.55	
9 9 1964	1.10	59.03	
22 9 1964	1.20	64.79	
6 12 1964	1.06	56.58	
11 12 1964	1.01	53.35	
9 1 1965	1.09	58.21	
10 1 1965	1.02	54.16	
2 8 1965	1.09	58.21	
31 10 1965	1.29	69.72	
9 12 1965	1.02	54.16	
1 2 1966	1.05	55.77	
15 8 1966	1.98	101.51	
15 11 1966	0.93	48.57	
29 11 1966	0.97	50.95	
17 12 1966	1.32	71.13	
19 12 1966	2.26	128.76	
GLENFIELD AND KENNEDY CONFIRM PEAK			
2 10 1967	1.61	85.66	
15 12 1967	1.02	54.16	
24 3 1968	1.00	52.55	
28 4 1968	0.93	48.57	
25 6 1968	0.97	50.95	
5 9 1968	1.11	59.85	
24 9 1968	0.97	50.95	

84001

KELVIN AT KILLERMONT

GRID REF NS558705 AREA 334. SQ. KM
 PERIOD OF RECORD 18 10 1946 TO 11 7 1969
 SIGNIFICANT GAPS
 9 5 1947 TO 17 5 1947 3 10 1947 TO 13 10 1947
 21 11 1947 TO 6 12 1947 8 3 1948 TO 7 6 1948

DAPS GRADE B
THRESHOLD 54.43 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
11 1 1948	1.60	59.60	
31 8 1948	1.75	79.12	
2 9 1948	1.79	85.69	
15 9 1948	2.02	123.83	
26 9 1948	1.82	90.26	
1 10 1948	1.88	99.86	
9 10 1948	1.76	81.27	
13 11 1948	1.67	68.91	

DATE	LEVEL	DISCHARGE	NOTE
9 12 1948	1.60	59.60	
12 12 1948	1.64	65.08	
7 1 1949	1.99	118.21	8
19 1 1949	1.66	66.98	
20 2 1949	1.76	81.27	
8 8 1949	1.85	94.98	
25 10 1949	1.90	102.36	
6 12 1949	1.66	66.98	
25 12 1949	1.85	94.98	

84001

KELVIN AT KILLERMONT

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
6 1 1950	1.75	79.12		7 11 1961	1.82	68.11	2
16 2 1950	1.82	90.26		4 12 1961	1.69	56.41	
6 9 1950	1.93	107.48		11 12 1961	1.96	81.68	
11 9 1950	1.96	112.76		6 1 1962	1.74	60.35	
25 9 1950	1.81	87.95		22 1 1962	1.82	68.11	
				24 1 1962	1.75	61.16	
16 10 1950	1.73	77.01		31 1 1962	1.71	58.23	
17 1 1951	2.07	132.57		6 2 1962	1.68	55.64	
22 3 1951	1.92	104.90		11 2 1962	2.13	100.13	
				11 8 1962	1.88	73.09	
8 12 1951	1.66	66.98		26 8 1962	1.74	62.98	
19 12 1951	1.66	66.98		9 9 1962	2.11	90.97	
6 2 1952	1.85	94.98		11 9 1962	1.92	75.62	
7 3 1952	1.60	60.32					
				8 12 1962	1.93	77.02	
30 9 1953	1.78	84.35		20 12 1962	1.67	57.81	
7 11 1953	1.58	57.84		9 10 1963	1.82	68.38	
12 11 1953	1.79	85.69		10 11 1963	1.84	69.71	
15 11 1953	1.82	90.26		21 11 1963	1.95	77.96	
3 12 1953	2.02	123.83		24 11 1963	2.10	89.95	
3 4 1954	1.63	63.22		30 12 1963	1.63	55.61	
24 9 1954	1.64	65.08		21 4 1964	1.68	58.62	
				22 9 1964	1.92	75.62	
15 10 1954	1.64	65.08					
18 10 1954	2.21	163.20		12 12 1964	1.75	63.83	
29 10 1954	1.82	90.26		29 12 1964	1.70	60.27	
11 11 1954	1.66	66.98		10 1 1965	1.96	79.14	
25 11 1954	1.95	110.10		13 1 1965	1.70	60.47	
27 11 1954	1.58	57.84		16 1 1965	1.78	65.54	
14 12 1954	1.56	56.12		27 3 1965	1.95	78.19	
5 5 1955	1.72	75.34		16 4 1965	1.66	57.21	
				25 6 1965	1.70	60.27	
14 12 1955	1.69	70.88		4 8 1965	1.71	60.68	
28 12 1955	1.86	95.94		7 9 1965	1.63	55.41	
29 1 1956	1.66	66.98		15 9 1965	1.98	80.81	
1 3 1956	1.88	98.87		17 9 1965	1.68	59.03	
30 7 1956	1.66	67.75		26 9 1965	1.80	67.06	
5 12 1956	1.79	85.69		1 11 1965	2.15	94.84	
10 12 1956	1.58	57.84		9 12 1965	2.19	98.00	
23 1 1957	1.69	71.68		5 2 1966	1.85	71.05	
25 1 1957	1.74	77.85		27 3 1966	1.68	58.62	
15 3 1957	1.69	70.88		23 6 1966	2.03	84.46	
20 3 1957	1.76	81.27		13 8 1966	1.82	68.38	
24 8 1957	1.69	70.88		4 9 1966	1.87	72.18	
				14 9 1966	1.73	62.35	
8 12 1957	1.79	85.69	8				
8 1 1958	1.69	70.88		6 10 1966	2.06	87.18	
28 7 1958	1.70	72.89		15 11 1966	1.71	61.09	
				17 12 1966	2.25	103.37	
1 1 1959	1.53	52.77		19 12 1966	1.89	74.00	
26 10 1959	1.78	83.46		7 10 1967	1.95	78.67	
13 11 1959	1.60	59.60		9 10 1967	2.10	90.46	
				22 12 1967	1.64	56.21	
30 11 1960	1.87	72.19		5 5 1968	1.83	69.49	
3 12 1960	1.70	57.19					
12 1 1961	1.72	58.50		1 10 1968	1.72	61.51	
5 2 1961	1.84	69.85		11 10 1968	1.92	75.85	
8 8 1961	2.08	94.89		31 10 1968	1.72	61.51	
28 9 1961	1.88	73.38		22 11 1968	1.75	63.41	

84002

CALDER WATER AT MUIRSHIEL

GRID REF NS309638 AREA 12.4 SQ.KM
 PERIOD OF RECORD 18 3 1952 TO 30 9 1965

LCWB THRESHOLD 11.31 CUMECs GRADE A2

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
7 8 1952		19.46	4	30 9 1953		15.36	
23 9 1952		14.83					
				31 10 1953		11.47	
27 10 1952		11.47	9	7 11 1953		11.47	

84002

CALDER WATER AT MUIRSHIEL

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
15 11 1953		12.78		25 12 1960		12.36	
29 3 1954		12.20		11 1 1961		18.41	4
3 4 1954		13.99		27 1 1961		11.57	
28 8 1954		12.47		12 7 1961		14.10	
				3 8 1961		17.88	4
18 10 1954		15.57		10 8 1961		27.61	4
26 10 1954		11.73		28 9 1961		15.04	
10 11 1954		11.68		29 9 1961		12.47	
13 11 1954		14.25					
24 11 1954		13.99		5 10 1961		12.41	
1 3 1955		15.36		16 10 1961		11.89	
				24 10 1961		13.26	
7 11 1955		14.62		15 1 1962		18.94	4
6 12 1955		13.78		30 1 1962		15.62	
14 12 1955		15.15		5 2 1962		18.94	4
28 1 1956		12.10		11 2 1962		14.94	
1 3 1956		11.94		10 8 1962		12.99	
4 7 1956		11.47		9 9 1962		35.77	4
12 8 1956		24.72	4	11 9 1962		13.41	
				30 9 1962		14.83	
5 12 1956		19.46	4				
10 12 1956		12.10		23 11 1962		16.83	4
25 1 1957		22.09	4	7 12 1962		11.99	
15 3 1957		17.88		19 12 1962		11.62	
20 3 1957		21.04	8	25 9 1963		12.78	
7 12 1957		11.57		10 11 1963		16.31	4
28 7 1958		16.83	4	17 8 1964		11.36	
				9 9 1964		12.20	
2 7 1959		16.04		22 9 1964		13.15	
17 10 1959		13.15		11 12 1964		14.89	
26 10 1959		13.26		29 12 1964		13.10	
29 12 1959		11.47		7 1 1965		12.31	
2 2 1960		13.04		10 1 1965		12.73	
12 4 1960		14.31		26 3 1965		13.73	
13 9 1960		21.04	4	25 6 1965		14.62	
				4 8 1965		13.26	
30 11 1960		14.62		14 9 1965		15.78	

84003

CLYDE AT HAZELBANK

GRID REF	NS835452	AREA	1090. SQ. KM	DAFS	GRADE	A1	
PERIOD OF RECORD	27 9 1955 TO	7 7 1969		THRESHOLD	144.00	CUMECs	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 12 1955	2.14	194.68		21 11 1959	1.87	151.35	
1 3 1956	2.30	222.24		22 1 1960	2.06	181.32	
18 8 1956	2.13	192.07		3 2 1960	2.12	191.04	
28 8 1956	2.59	278.37		27 2 1960	2.19	203.13	
				14 9 1960	1.98	167.94	
5 12 1956	2.14	195.20		2 11 1960	1.85	148.59	
10 12 1956	1.98	167.45		1 12 1960	2.63	286.53	
14 12 1956	2.46	253.98		5 12 1960	2.16	197.83	
23 1 1957	1.97	166.00		26 12 1960	2.31	223.92	
26 1 1957	1.86	149.51		12 1 1961	2.02	174.32	
20 3 1957	1.87	151.35		8 8 1961	2.58	277.12	
25 8 1957	1.87	151.35					
8 12 1957	2.27	217.25		23 10 1961	2.21	207.43	
20 12 1957	1.94	161.68		8 11 1961	1.95	164.07	
9 1 1958	2.45	250.42		5 12 1961	1.95	162.63	
11 2 1958	2.12	190.52		11 12 1961	2.41	243.36	
28 7 1958	2.36	233.54		8 1 1962	2.11	189.49	
30 7 1958	2.47	255.77		16 1 1962	3.49	494.61	
10 8 1958	1.85	147.22		24 1 1962	2.07	183.34	
29 9 1958	2.08	184.87		31 1 1962	2.05	179.81	
				12 2 1962	2.98	365.23	
12 12 1958	2.11	190.00		2 4 1962	1.83	145.40	
19 1 1959	1.90	156.00		7 4 1962	2.15	196.78	
				3 8 1962	2.19	203.13	
27 10 1959	2.34	230.69		11 8 1962	1.93	160.25	
14 11 1959	1.93	159.78		26 8 1962	2.17	200.47	
				10 9 1962	2.42	244.53	

84003

CLYDE AT HAZELBANK

DATE	LEVEL	DISCHARGE	NOTE
12 9 1962	2.71	304.51	
30 9 1962	2.17	198.88	
24 11 1962	2.02	173.82	
8 12 1962	2.52	264.82	
5 3 1963	2.56	272.79	
14 3 1963	1.92	157.88	
25 3 1963	1.90	156.00	
26 9 1963	2.09	185.89	
21 10 1963	2.28	219.46	
10 11 1963	1.84	146.31	
12 11 1963	2.17	200.47	
18 11 1963	2.50	261.18	
21 11 1963	2.13	192.59	
24 11 1963	2.77	317.02	
7 10 1964	2.81	326.39	
8 12 1964	2.22	208.51	
12 12 1964	2.36	233.54	
10 1 1965	2.66	294.17	
14 1 1965	2.19	203.13	
16 1 1965	2.35	231.83	
27 3 1965	2.14	194.68	
29 7 1965	2.02	174.81	
18 9 1965	1.84	146.77	
26 9 1965	2.30	222.24	
1 11 1965	2.46	253.98	

DATE	LEVEL	DISCHARGE	NOTE
9 12 1965	2.68	297.38	
5 2 1966	1.97	166.00	
25 2 1966	1.97	166.00	
14 8 1966	3.45	482.27	
4 9 1966	2.22	207.97	
6 10 1966	1.84	145.86	
8 12 1966	1.84	146.77	
19 12 1966	2.40	241.62	
25 2 1967	2.13	192.59	
27 2 1967	2.31	224.48	
2 3 1967	1.85	148.59	
5 9 1967	1.85	147.22	
1 10 1967	2.11	188.97	
3 10 1967	1.83	145.40	
9 10 1967	2.98	363.80	
26 10 1967	1.83	144.95	
17 1 1968	2.19	202.60	
5 3 1968	2.17	198.88	
19 3 1968	2.05	179.81	
23 3 1968	2.03	175.31	
1 4 1968	2.18	201.53	
5 5 1968	2.34	229.56	
1 10 1968	1.84	146.77	
31 10 1968	1.97	166.49	
22 12 1968	1.83	144.23	

84004

CLYDE AT SILLS

GRID REF NS927424 AREA 742. SQ.KM
 PERIOD OF RECORD 1 10 1955 TO 15 7 1969

DAFS THRESHOLD 112.00 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
1 3 1956	1.99	140.16	
18 8 1956	1.88	121.72	
28 8 1956	2.23	187.57	
5 12 1956	2.02	144.59	
10 12 1956	1.85	115.25	
14 12 1956	2.29	200.89	
31 12 1956	1.83	112.83	
22 1 1957	1.92	127.87	
4 2 1957	1.83	113.31	
8 12 1957	2.01	142.92	
20 12 1957	1.92	126.83	
22 12 1957	1.86	117.72	
9 1 1958	2.16	171.68	
25 1 1958	1.90	123.75	
11 2 1958	1.98	137.97	
28 7 1958	2.07	155.45	
30 7 1958	2.27	196.17	
29 9 1958	2.05	150.82	
12 12 1958	1.95	132.07	
19 1 1959	1.86	117.72	
27 10 1959	1.99	139.61	
22 1 1960	1.98	137.97	
3 2 1960	2.01	143.47	
27 2 1960	1.99	140.71	
14 9 1960	1.99	139.61	
1 12 1960	2.36	216.88	
5 12 1960	1.92	127.35	
26 12 1960	2.13	166.77	
12 1 1961	1.88	121.21	
9 8 1961	2.20	179.84	
23 10 1961	2.11	163.15	
8 11 1961	1.88	121.21	

DATE	LEVEL	DISCHARGE	NOTE
5 12 1961	1.87	118.71	
11 12 1961	2.14	168.60	
8 1 1962	2.04	149.11	
16 1 1962	3.13	443.01	
24 1 1962	1.93	128.91	
31 1 1962	1.91	126.31	
12 2 1962	2.60	275.76	
7 4 1962	2.03	147.40	
3 8 1962	2.11	163.15	
26 8 1962	2.02	145.71	
10 9 1962	2.27	196.17	
12 9 1962	2.33	208.45	
30 9 1962	2.18	177.31	
24 11 1962	1.85	116.73	
8 12 1962	2.34	210.54	
5 3 1963	2.38	221.89	
14 3 1963	1.96	135.27	
26 9 1963	1.96	134.20	
21 10 1963	2.18	177.31	
12 11 1963	2.01	142.92	
18 11 1963	2.29	200.89	
21 11 1963	1.96	135.27	
24 11 1963	2.39	222.61	
22 9 1964	1.83	112.83	
7 10 1964	2.50	250.28	
8 12 1964	2.15	170.45	
12 12 1964	2.22	184.98	
10 1 1965	2.41	227.70	
14 1 1965	2.07	155.45	
16 1 1965	2.04	149.11	
27 3 1965	1.94	131.01	
29 7 1965	1.87	118.71	
26 9 1965	2.16	171.68	
1 11 1965	2.19	177.94	

84004

CLYDE AT SILLS

DATE	LEVEL	DISCHARGE	NOTE
9 12 1965	2.32	207.75	
25 2 1966	1.99	140.16	
14 8 1966	3.00	395.77	
4 9 1966	2.12	164.35	
8 12 1966	1.84	113.79	
19 12 1966	2.13	166.77	
25 2 1967	2.02	145.71	
27 2 1967	2.26	192.84	
1 10 1967	2.03	146.27	

DATE	LEVEL	DISCHARGE	NOTE
9 10 1967	2.63	283.20	
20 10 1967	1.83	112.34	
17 1 1968	2.02	144.59	
5 3 1968	2.08	156.03	
19 3 1968	1.94	131.01	
23 3 1968	1.94	130.48	
1 4 1968	2.00	141.26	
5 5 1968	2.02	145.15	
20 10 1968	1.83	112.83	
31 10 1968	1.84	114.28	

84005

CLYDE AT BLAIRSTON

GRID REF NS704579 AREA 1710. SQ.KM
 PERIOD OF RECORD 1 10 1955 TO 30 9 1969

DAFS THRESHOLD 219.00 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE
23 12 1955	1.71	226.83	
28 12 1955	2.24	346.25	
1 3 1956	2.06	303.06	
18 8 1956	1.98	283.70	
29 8 1956	2.17	328.70	
5 12 1956	1.84	254.31	
11 12 1956	1.70	223.72	
14 12 1956	2.29	356.65	
22 1 1957	1.88	262.19	
26 1 1957	1.71	226.83	
25 8 1957	1.90	266.84	
8 12 1957	2.00	288.49	
20 12 1957	1.71	226.20	
8 1 1958	2.23	343.30	
11 2 1958	1.75	235.64	
3 7 1958	2.00	289.18	
30 7 1958	2.17	329.43	
22 8 1958	1.78	240.73	
12 12 1958	1.88	262.19	
28 7 1959	1.70	224.96	
26 10 1959	2.27	352.18	
22 1 1960	1.88	263.52	
31 1 1960	1.84	253.65	
3 2 1960	1.84	253.65	
28 2 1960	2.27	353.67	
1 12 1960	2.27	352.18	
4 12 1960	2.17	327.98	
26 12 1960	2.24	344.04	
12 1 1961	1.89	264.18	8
6 2 1961	1.81	248.45	
6 4 1961	1.72	228.70	
8 8 1961	2.88	513.96	
23 10 1961	2.18	331.60	
8 11 1961	1.68	220.62	
5 12 1961	1.72	228.70	
11 12 1961	2.44	395.58	
9 1 1962	2.00	288.49	
16 1 1962	2.95	533.11	
24 1 1962	1.87	260.21	
31 1 1962	2.03	295.39	
12 2 1962	2.78	484.90	
3 4 1962	1.78	240.09	
7 4 1962	1.78	240.73	
4 8 1962	1.70	224.34	
24 8 1962	1.69	223.09	

DATE	LEVEL	DISCHARGE	NOTE
26 8 1962	2.05	300.27	
9 9 1962	2.24	345.51	
12 9 1962	2.67	455.70	
24 11 1962	1.82	250.40	
8 12 1962	2.29	358.15	
5 3 1963	2.01	290.56	
25 3 1963	1.74	233.74	
26 9 1963	1.68	220.62	
22 10 1963	1.92	270.85	
12 11 1963	2.06	301.66	
18 11 1963	2.15	322.93	
21 11 1963	2.29	357.40	
24 11 1963	2.95	533.11	
7 10 1964	2.57	428.03	
8 12 1964	2.21	337.43	
12 12 1964	2.13	318.63	
10 1 1965	2.54	420.82	
14 1 1965	1.87	260.21	
16 1 1965	2.10	311.52	
27 3 1965	1.85	254.96	
29 7 1965	1.99	287.12	
26 9 1965	2.20	335.24	
1 11 1965	2.45	397.14	
9 12 1965	2.54	421.62	
5 2 1966	1.85	254.96	
23 6 1966	1.84	254.31	
13 8 1966	3.10	576.77	
4 9 1966	1.74	233.74	
15 11 1966	1.77	239.45	
19 12 1966	2.34	370.21	
25 2 1967	1.68	220.62	
27 2 1967	1.90	266.84	
1 3 1967	2.04	297.48	
1 10 1967	1.69	221.86	
9 10 1967	2.80	490.83	
26 10 1967	1.79	243.94	
17 1 1968	1.86	258.90	
5 3 1968	1.72	228.08	
23 3 1968	1.74	233.74	
1 4 1968	1.99	287.12	
5 5 1968	2.50	409.08	
1 11 1968	1.79	242.18	
22 12 1968	1.70	223.56	

84003

CLYDE AT HAZELBANK

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
12 9 1962	2.71	304.51		9 12 1963	2.68	297.38	
30 9 1962	2.17	198.88		5 2 1966	1.97	166.00	
24 11 1962	2.02	173.82		25 2 1966	1.97	166.00	
8 12 1962	2.52	264.82		14 8 1966	3.45	482.27	
5 3 1963	2.56	272.79		4 9 1966	2.22	207.97	
14 3 1963	1.92	157.88		6 10 1966	1.84	143.86	
25 3 1963	1.90	156.00		8 12 1966	1.84	146.77	
26 9 1963	2.09	185.89		19 12 1966	2.40	241.62	
21 10 1963	2.28	219.46		25 2 1967	2.13	192.59	
10 11 1963	1.84	146.31		27 2 1967	2.31	224.48	
12 11 1963	2.17	200.47		2 3 1967	1.85	148.59	
18 11 1963	2.50	261.18		5 9 1967	1.85	147.22	
21 11 1963	2.13	192.59		1 10 1967	2.11	188.97	
24 11 1963	2.77	317.02		3 10 1967	1.83	145.40	
7 10 1964	2.81	326.39		9 10 1967	2.98	363.80	
8 12 1964	2.22	208.51		26 10 1967	1.83	144.95	
12 12 1964	2.36	233.54		17 1 1968	2.19	202.60	
10 1 1965	2.66	294.17		5 3 1968	2.17	198.88	
14 1 1965	2.19	203.13		19 3 1968	2.05	179.81	
16 1 1965	2.35	231.83		23 3 1968	2.03	175.31	
27 3 1965	2.14	194.68		1 4 1968	2.18	201.53	
29 7 1965	2.02	174.81		5 5 1968	2.34	229.56	
18 9 1965	1.84	146.77		1 10 1968	1.84	146.77	
26 9 1965	2.30	222.24		31 10 1968	1.97	166.49	
1 11 1965	2.46	253.98		22 12 1968	1.83	144.23	

84004

CLYDE AT SILLS

GRID REF NS927424 AREA 742. SQ.KM
 PERIOD OF RECORD 1 10 1955 TO 15 7 1969

DAFS THRESHOLD 112.00 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 3 1956	1.99	140.16		5 12 1961	1.87	118.71	
18 8 1956	1.88	121.72		11 12 1961	2.14	168.60	
28 8 1956	2.23	187.57		8 1 1962	2.04	149.11	
5 12 1956	2.02	144.59		16 1 1962	3.13	443.01	
10 12 1956	1.85	115.25		24 1 1962	1.93	128.91	
14 12 1956	2.29	200.89		31 1 1962	1.91	126.31	
31 12 1956	1.83	112.83		12 2 1962	2.60	275.76	
22 1 1957	1.92	127.87		7 4 1962	2.03	147.40	
4 2 1957	1.83	113.31		3 8 1962	2.11	163.15	
8 12 1957	2.01	142.92		26 8 1962	2.02	145.71	
20 12 1957	1.92	126.83		10 9 1962	2.27	196.17	
22 12 1957	1.86	117.72		12 9 1962	2.33	208.45	
9 1 1958	2.16	171.68		30 9 1962	2.18	177.31	
25 1 1958	1.90	123.75		24 11 1962	1.85	116.73	
11 2 1958	1.98	137.97		8 12 1962	2.34	210.54	
28 7 1958	2.07	155.45		5 3 1963	2.38	221.89	
30 7 1958	2.27	196.17		14 3 1963	1.96	135.27	
29 9 1958	2.05	150.82		26 9 1963	1.96	134.20	
12 12 1958	1.95	132.07		21 10 1963	2.18	177.31	
19 1 1959	1.86	117.72		12 11 1963	2.01	142.92	
27 10 1959	1.99	139.61		18 11 1963	2.29	200.89	
22 1 1960	1.98	137.97		21 11 1963	1.96	135.27	
3 2 1960	2.01	143.47		24 11 1963	2.39	222.61	
27 2 1960	1.99	140.71		22 9 1964	1.83	112.83	
14 9 1960	1.99	139.61		7 10 1964	2.50	250.28	
1 12 1960	2.36	216.88		8 12 1964	2.15	170.45	
5 12 1960	1.92	127.35		12 12 1964	2.22	184.98	
26 12 1960	2.13	166.77		10 1 1965	2.41	227.70	
12 1 1961	1.88	121.21		14 1 1965	2.07	155.45	
9 8 1961	2.20	179.84		16 1 1965	2.04	149.11	
23 10 1961	2.11	163.15		27 3 1965	1.94	131.01	
8 11 1961	1.88	121.21		29 7 1965	1.87	118.71	
				26 9 1965	2.16	171.68	
				1 11 1965	2.19	177.94	

84012 WHITE CART AT HAWKHEAD

GRID REF NS499629 AREA 235. SQ.KM
 PERIOD OF RECORD 27 8 1963 TO 5 10 1969

CRPB THRESHOLD 63.30 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 9 1963	3.11	70.26		23 6 1966	3.10	69.91	
9 10 1963	3.48	92.89		13 8 1966	3.79	114.07	
21 10 1963	3.26	79.14		4 9 1966	3.16	72.87	
11 11 1963	3.11	70.26		5 10 1966	3.25	78.23	
21 11 1963	3.19	74.99		15 11 1966	3.45	91.11	
23 11 1963	3.54	96.50		29 11 1966	3.27	79.69	
8 5 1964	3.03	66.02		17 12 1966	4.48	169.79	
18 8 1964	2.99	63.87		19 12 1966	3.75	111.43	
9 9 1964	3.01	64.85		27 2 1967	3.18	74.28	
14 9 1964	3.09	68.89		6 10 1967	3.38	86.26	
6 10 1964	3.04	66.18	2	9 10 1967	3.83	116.95	
12 12 1964	3.68	106.48		13 10 1967	3.12	70.78	
29 12 1964	3.11	70.09		26 10 1967	3.28	80.25	
10 1 1965	3.26	78.78		22 12 1967	3.06	67.19	
25 6 1965	3.04	66.35		23 3 1968	3.13	71.12	
4 8 1965	2.99	63.70	8	26 3 1968	3.23	76.96	
7 9 1965	3.21	76.06		1 4 1968	3.01	64.85	
31 10 1965	3.91	122.61		5 5 1968	3.79	114.07	
23 11 1965	3.08	68.38		2 7 1968	3.10	69.91	
5 2 1966	3.10	69.91		26 9 1969	2.82	54.59	

84013 CLYDE AT DALDOWIE

GRID REF NS672616 AREA 1903. SQ.KM
 PERIOD OF RECORD 23 5 1963 TO 6 10 1969

CRPB THRESHOLD 221.00 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
9 10 1963	2.86	221.44		5 2 1966	2.97	238.56	1
21 10 1963	2.89	226.41		23 6 1966	3.14	269.09	
12 11 1963	3.19	277.26		14 8 1966	4.72	613.09	
18 11 1963	3.32	300.73		17 12 1966	3.39	315.10	
21 11 1963	3.60	355.14		19 12 1966	3.62	358.83	
24 11 1963	4.41	535.98		1 3 1967	3.32	301.87	
7 10 1964	3.77	391.54	2	1 10 1967	2.94	233.46	
9 12 1964	3.11	263.17		7 10 1967	3.07	256.78	
12 12 1964	3.31	300.16		9 10 1967	4.20	486.02	
10 1 1965	3.70	375.65		26 10 1967	3.02	247.33	
14 1 1965	3.01	245.25		22 12 1967	2.89	225.41	
17 1 1965	3.30	297.89		17 1 1968	3.05	253.09	
27 3 1965	2.96	238.04		23 3 1968	2.93	231.94	
29 7 1965	3.24	287.21		1 4 1968	3.23	283.88	
26 9 1965	3.65	366.26		5 5 1968	4.02	444.39	
1 11 1965	3.72	379.44		1 11 1968	3.16	271.12	
9 12 1965	3.78	393.47		22 12 1968	3.00	243.31	

84014 AVON AT FAIRHOLM

GRID REF NS755518 AREA 266. SQ.KM
 PERIOD OF RECORD 15 1 1964 TO 6 10 1969

CRPB THRESHOLD 88.30 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
7 5 1964	2.92	122.83		23 11 1965	2.68	97.20	
7 10 1964	2.74	103.67		9 12 1965	2.91	121.15	
6 12 1964	2.91	121.82		5 2 1966	2.91	121.82	
11 12 1964	3.03	135.56		23 6 1966	2.98	129.64	
9 1 1965	2.66	95.68		13 8 1966	4.84	409.78	
10 1 1965	2.99	131.03		4 9 1966	2.59	88.56	
16 1 1965	2.80	109.68		14 9 1966	2.75	104.92	
26 3 1965	2.86	116.17		15 11 1966	2.93	124.18	
16 4 1965	2.71	100.26		29 11 1966	2.85	114.86	
31 10 1965	3.50	193.98	2	17 12 1966	3.68	218.93	
				19 12 1966	3.51	195.63	

84014

AVON AT FAIRHOLM

DATE	LEVEL	DISCHARGE	NOTE
1 3 1967	2.63	92.98	
1 10 1967	2.90	120.15	
9 10 1967	3.62	209.90	
22 12 1967	2.85	115.52	
26 3 1968	2.91	121.82	

DATE	LEVEL	DISCHARGE	NOTE
1 4 1968	3.30	167.66	
5 5 1968	3.16	149.95	
2 7 1968	2.85	114.86	
12 9 1968	2.59	89.14	
27 11 1968	2.60	90.02	

84015

KELVIN AT DRYFIELD

GRID REF NS638739 AREA 235. SQ. KM
 PERIOD OF RECORD 18 10 1946 TO 1 10 1969

DAFS THRESHOLD 39.00 GRADE B CUMECs

SIGNIFICANT GAPS

14 11 1946 TO	2 12 1946	6 12 1946 TO	27 2 1947	13 12 1950 TO	26 7 1951
7 11 1951 TO	22 11 1951	7 12 1951 TO	29 9 1953	1 2 1954 TO	29 3 1954
20 4 1954 TO	13 5 1954	18 6 1954 TO	10 8 1954	20 8 1954 TO	24 9 1954
15 10 1954 TO	22 10 1954	11 3 1955 TO	18 3 1955	22 4 1955 TO	6 5 1955
24 6 1955 TO	15 7 1955	22 7 1955 TO	5 8 1955	19 8 1955 TO	16 9 1955
3 12 1955 TO	24 2 1956	3 3 1956 TO	13 3 1957		

DATE	LEVEL	DISCHARGE	NOTE
25 4 1947	2.62	39.04	
14 5 1947	2.83	43.37	

DATE	LEVEL	DISCHARGE	NOTE
20 10 1954	3.27	52.70	
10 11 1954	2.87	44.19	
24 11 1954	3.39	55.35	
14 12 1954	2.92	45.27	

9 11 1947	2.65	39.65	
11 11 1947	3.01	47.18	
21 11 1947	3.45	56.69	
1 1 1948	3.21	51.39	
11 1 1948	3.53	58.71	
13 1 1948	2.98	46.54	
1 2 1948	2.95	45.90	
7 2 1948	2.91	44.95	
8 2 1948	3.20	51.06	
19 3 1948	2.94	45.58	
6 6 1948	3.55	58.71	
8 6 1948	3.01	47.18	
31 8 1948	3.20	51.06	
2 9 1948	3.38	55.02	
15 9 1948	3.77	63.83	
26 9 1948	3.35	54.35	

2 3 1956	3.53	58.37	
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15 3 1957	2.68	40.27	
24 8 1957	2.86	44.00	

28 7 1958	2.89	44.63	
10 8 1958	2.72	41.19	

27 7 1959	2.60	38.79	
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26 10 1959	3.03	47.56	
13 11 1959	2.93	45.46	
13 5 1960	2.69	40.45	
25 8 1960	2.69	40.51	

1 10 1948	3.36	54.68	
9 10 1948	3.07	48.46	
24 10 1948	2.89	44.63	
12 11 1948	3.13	49.76	
9 12 1948	2.84	43.69	
12 12 1948	3.01	47.18	
5 1 1949	2.81	43.06	
7 1 1949	3.77	63.83	
19 1 1949	3.12	49.43	
20 2 1949	3.38	55.02	
22 2 1949	2.68	40.27	
11 4 1949	2.65	39.65	
8 8 1949	3.44	56.35	

1 12 1960	3.23	51.71	
3 12 1960	2.75	41.81	
25 12 1960	2.87	44.13	
12 1 1961	2.98	46.54	
5 2 1961	3.10	48.98	
8 2 1961	2.75	41.69	
12 2 1961	2.65	39.71	
8 8 1961	3.66	61.15	
2 9 1961	2.67	40.14	
28 9 1961	3.00	46.99	

25 10 1949	3.62	60.40	
2 12 1949	2.92	45.27	
6 12 1949	3.10	49.11	
25 12 1949	3.49	57.36	
6 1 1950	3.26	52.37	
16 2 1950	3.49	57.36	
6 9 1950	3.64	60.74	
11 9 1950	3.61	60.06	
25 9 1950	3.39	55.35	

7 11 1961	3.13	49.76	
4 12 1961	2.73	41.38	
10 12 1961	3.45	56.69	
6 1 1962	3.06	48.14	
15 1 1962	3.08	48.53	
17 1 1962	2.86	44.00	
30 1 1962	2.87	44.13	
5 2 1962	2.64	39.47	
11 2 1962	3.65	61.09	
10 8 1962	3.27	52.70	
26 8 1962	3.06	48.14	
9 9 1962	3.67	61.43	
11 9 1962	3.45	56.69	

16 10 1950	3.44	56.35	
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23 11 1962	2.62	39.04	
8 12 1962	3.15	50.02	
20 12 1962	2.69	40.57	

6 11 1953	2.80	42.75	
12 11 1953	3.24	52.04	
15 11 1953	3.13	49.76	
3 12 1953	3.77	63.83	
3 4 1954	2.66	39.96	

9 10 1963	2.98	46.41	
10 11 1963	3.04	47.82	
21 11 1963	3.23	51.71	
24 11 1963	3.46	56.75	
30 12 1963	2.62	39.04	

84015

KELVIN AT DRYFIELD

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
21 4 1964	2.63	39.22		13 8 1966	3.20	51.13	
22 9 1964	3.15	50.08		4 9 1966	3.12	49.43	
				14 9 1966	2.85	43.81	
11 12 1964	2.84	43.06					
29 12 1964	2.73	41.25		5 10 1966	3.21	51.45	
10 1 1965	3.39	55.35		15 11 1966	2.92	45.14	
13 1 1965	2.77	42.19		17 12 1966	3.88	66.33	
16 1 1965	2.78	42.31		19 12 1966	3.03	47.63	
26 3 1965	3.29	53.03					
25 6 1965	2.78	42.44		7 10 1967	3.47	57.09	
4 8 1965	2.70	40.64		9 10 1967	3.59	59.59	
7 9 1965	2.71	40.94		22 12 1967	2.71	41.51	
15 9 1965	3.30	53.36		5 5 1968	3.07	49.22	
17 9 1965	2.76	41.88		12 9 1968	2.71	41.64	
26 9 1965	2.84	43.69					
				1 10 1968	2.74	42.08	
1 11 1965	3.47	57.02		11 10 1968	3.08	49.42	
9 12 1965	3.58	59.52		31 10 1968	2.82	43.94	
5 2 1966	3.04	47.82		22 11 1968	2.75	42.47	
23 6 1966	3.40	55.42					

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1950-1951 1951-1952 1952-1953 1953-1954 1954-1955 1955-1956 1956-1957

84803

NORTH CALDER AT CALDER PARK

GRID REF	NS681625	AREA	130. SQ.KM	CRPB	THRESHOLD	15.95	GRADE B	CUMECs
PERIOD OF RECORD	18 12 1962 TO	6 10 1969						
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE	
21 10 1963	1.85	21.00		6 10 1966	2.04	28.13		
10 11 1963	1.93	23.77		15 11 1966	1.81	19.41		
18 11 1963	1.91	22.87		17 12 1966	2.20	34.91		
21 11 1963	2.03	27.40		19 12 1966	1.90	22.64		
23 11 1963	2.24	36.26		1 3 1967	1.73	16.88		
21 4 1964	1.71	16.20		15 8 1967	1.76	17.87		
22 9 1964	1.70	16.01	2	11 9 1967	1.75	17.47		
9 1 1965	1.78	18.48		2 10 1967	1.80	19.10		
13 1 1965	1.73	16.68		6 10 1967	2.28	38.33		
26 3 1965	1.74	17.08		9 10 1967	2.13	31.64		
16 4 1965	1.87	21.54		2 11 1967	1.92	23.20		
4 8 1965	1.74	16.98		22 12 1967	1.79	18.89		
7 9 1965	1.76	17.67		16 1 1968	1.83	20.25		
17 9 1965	1.81	19.30		23 3 1968	1.77	17.97		
26 9 1965	1.99	25.97		5 5 1968	2.41	44.18		
				12 9 1968	1.91	22.83		
31 10 1965	2.07	29.11		31 10 1968	1.97	25.07		
9 12 1965	1.76	17.87	4	8 5 1969	1.88	21.74		
23 6 1966	2.12	31.12		14 5 1969	1.80	18.95		
13 8 1966	2.72	60.59		9 8 1969	1.74	16.96		

84806

CLYDE AT CAMBUSNETHAN

GRID REF	NS786522	AREA	1261. SQ.KM	DAFS	THRESHOLD	171.00	GRADE B	CUMECs
PERIOD OF RECORD	27 9 1955 TO	31 10 1964						
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE	
28 12 1955	2.57	247.36		9 1 1958	2.62	253.98		
1 3 1956	2.44	228.69		11 2 1958	2.18	193.27		
18 8 1956	2.37	219.34		28 7 1958	2.61	253.54		
28 8 1956	2.88	292.60		30 7 1958	2.64	257.54		
				29 9 1958	2.19	194.90		
5 12 1956	2.25	203.07		12 12 1958	2.29	208.45		
10 12 1956	2.04	174.56						
14 12 1956	2.65	259.32		27 10 1959	2.63	255.31		
23 1 1957	2.06	176.91		14 11 1959	2.11	184.44		
25 8 1957	2.04	174.56		22 1 1960	2.17	192.46		
				3 2 1960	2.34	214.71		
8 12 1957	2.45	230.41		27 2 1960	2.49	235.58		

84806 CLYDE AT CAMBUSNETHAN

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
14 9 1960	2.22	198.56	4	3 8 1962	2.37	219.34	
1 12 1960	2.94	302.43		11 8 1962	2.03	173.78	
3 12 1960	2.49	235.58		26 8 1962	2.41	224.85	
26 12 1960	2.67	261.11		9 9 1962	2.68	262.90	
12 1 1961	2.18	192.87		12 9 1962	3.12	330.59	
6 2 1961	2.07	179.28		30 9 1962	2.27	205.55	
8 8 1961	3.20	343.76		24 11 1962	2.19	194.08	
23 10 1961	2.54	242.97		8 12 1962	2.83	285.20	
8 11 1961	2.11	184.44		5 3 1963	2.84	287.97	
12 12 1961	2.83	285.66		25 3 1963	2.04	175.34	
8 1 1962	2.46	231.27		26 9 1963	2.20	196.52	
16 1 1962	4.22	519.57		21 10 1963	2.55	243.85	
24 1 1962	2.26	203.90		12 11 1963	2.45	229.98	
31 1 1962	2.35	216.81		18 11 1963	2.81	281.97	
12 2 1962	3.44	382.74		23 11 1963	3.35	367.58	
2 4 1962	2.02	172.61	8	7 10 1964	3.38	373.62	
7 4 1962	2.43	227.84	8				

85001 LEVEN AT LINNBRANE

GRID REF	NS394803	AREA	786. SQ.KM	CRPB	GRADE	A1	
PERIOD OF RECORD	1 10 1963 TO	30 9 1969		ANNUAL MAXIMA			
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 11 1963	2.81	94.93		19 12 1966	3.11	123.22	
17 1 1965	2.93	107.35		27 10 1967	3.03	115.31	
2 11 1965	2.89	102.19		20 10 1968	2.81	94.93	

85002 ENDRICK WATER AT GAIDREW

GRID REF	NS485866	AREA	220. SQ.KM	CRPB	GRADE	B	
PERIOD OF RECORD	29 9 1963 TO	6 10 1969		THRESHOLD	77.00	CUMECS	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
9 10 1963	3.71	79.96		13 8 1966	3.95	92.35	
19 10 1963	3.72	80.59		4 9 1966	3.74	81.37	
10 11 1963	3.83	85.99		5 10 1966	4.36	116.13	
21 11 1963	3.68	78.56		17 12 1966	4.40	118.32	
24 11 1963	4.00	95.52		19 12 1966	3.67	77.94	
11 12 1964	4.13	102.33		27 2 1967	4.22	107.73	
26 3 1965	4.00	95.52		9 10 1967	4.21	107.03	
25 6 1965	3.87	88.09		13 10 1967	3.85	87.28	
4 8 1965	4.18	105.27		26 10 1967	3.75	82.00	
15 9 1965	3.69	78.71		31 1 1968	3.68	78.56	
17 9 1965	3.69	78.87		4 2 1968	3.67	77.78	
31 10 1965	4.53	126.28		26 3 1968	3.67	77.78	
9 12 1965	4.20	106.32		5 5 1968	4.18	105.27	
5 2 1966	4.07	99.07		11 10 1968	4.16	104.40	
23 6 1966	4.06	98.90		19 10 1968	3.86	87.76	

87801 ALLT UAINE AT INTAKE

GRID REF	NN263113	AREA	3.13 SQ.KM	NSHEB	GRADE	A2	
PERIOD OF RECORD	1 9 1950 TO	30 4 1969		THRESHOLD	5.90	CUMECS	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
6 9 1950		10.47		25 8 1951		6.93	
13 9 1950		7.22		13 9 1951		6.08	
17 10 1950		6.37		14 11 1951		6.93	
9 12 1950		6.65		23 11 1951		6.08	
16 1 1951		7.50		7 3 1952		6.37	
22 3 1951		10.90					

87801

ALLT UAINÉ AT INTAKE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 10 1952		9.34					
27 10 1952		7.92		24 10 1961		6.37	
27 1 1953		5.94		11 12 1961		8.07	
1 9 1953		6.79		8 1 1962		7.22	
19 9 1953		11.32		15 1 1962		9.76	
30 9 1953		8.49		30 1 1962		5.94	
				11 2 1962		9.76	
1 11 1953		5.94		9 9 1962		9.06	
11 11 1953		7.36		27 9 1962		7.64	
2 12 1953		5.94		20 9 1962		9.62	
13 12 1953		6.79					
22 2 1954		7.64		7 12 1962		6.93	
28 8 1954		5.94		20 12 1962		6.37	
				14 3 1963		6.37	
18 10 1954		6.79		25 9 1963		6.08	
9 11 1954		5.94					
21 11 1954		5.94		9 10 1963		8.07	
22 11 1954		7.64		7 7 1964		7.64	
14 12 1954		7.64		14 7 1964		5.94	
18 12 1954		6.51					
				6 10 1964		6.79	
14 10 1955		6.79		18 11 1964		6.08	
1 3 1956		6.23		11 12 1964		9.76	
12 8 1956		9.48		12 2 1965		6.08	
27 9 1956		6.08		27 3 1965		6.37	
				17 4 1965		6.79	
8 11 1956		8.91		15 6 1965		10.47	
12 12 1956		6.37		25 6 1965		7.22	
14 12 1956		6.93		4 8 1965		7.22	
4 1 1957		6.93		5 8 1965		6.65	
25 1 1957		7.22		30 8 1965		6.08	
4 2 1957		6.08					
15 3 1957		7.50		4 10 1965		6.65	
17 7 1957		8.91		31 10 1965		8.07	
23 8 1957		7.22		14 12 1965		6.65	
				3 9 1966		6.79	
4 10 1957		6.08		14 9 1966		10.05	
7 12 1957		9.34					
19 12 1957		9.06		5 10 1966		9.20	
8 1 1958		6.79		17 12 1966		7.50	
27 1 1958		7.64		29 1 1967		10.61	
10 8 1958		7.36	2	27 2 1967		6.51	
				5 3 1967		6.23	
19 7 1959		8.07		24 8 1967		7.22	
				24 9 1967		8.07	
26 10 1959		6.65					
				13 10 1967		6.65	
27 1 1961		6.93		10 11 1967		6.37	
26 2 1961		7.22		14 1 1968		7.22	
8 8 1961		6.37		18 1 1968		7.50	
18 8 1961		6.65		26 3 1968		7.22	
25 8 1961		6.37		28 9 1968		6.65	
27 8 1961		8.91					
2 9 1961		6.65		9 10 1968		9.76	
26 9 1961		6.37		11 10 1968		8.35	
29 9 1961		8.91		22 12 1968		6.93	

90801

NEVIS AT ACHREOCH

GRID REF	NN167690	AREA	46.6	SQ. KM	NSHEB	GRADE	B
PERIOD OF RECORD	16	2 1956 TO	30	9 1962	THRESHOLD	29.50	CUMECs
SIGNIFICANT GAPS							
17 2 1957 TO	2	4 1957	19	4 1957 TO	16 5 1957	26 11 1958 TO	8 2 1959
26 6 1960 TO	18	7 1960	11	10 1961 TO	29 10 1961	14 11 1961 TO	3 1 1962
27 1 1962 TO	27	2 1962					
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
28 2 1956	1.61	34.35		14 12 1956	1.52	30.11	
1 3 1956	1.98	54.46		14 12 1956	1.70	38.90	
13 8 1956	1.58	32.90		25 1 1957	1.64	35.83	
28 9 1956	1.58	32.90		26 7 1957	1.70	38.90	
				23 8 1957	1.64	35.83	
5 12 1956	1.67	37.34		25 8 1957	1.52	30.11	
10 12 1956	1.52	30.11					

90801

NEVIS AT ACHREOCH

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 10 1957	1.76	42.10		27 1 1961	1.58	32.90	
27 10 1957	1.95	52.58		25 3 1961	1.70	38.90	
7 12 1957	1.76	42.10		7 5 1961	1.70	38.90	
21 12 1957	1.52	30.11		24 6 1961	1.82	45.45	
4 2 1958	1.58	32.90		20 8 1961	1.52	30.11	
4 8 1958	1.52	30.11		14 9 1961	1.52	30.11	
24 9 1958	1.67	37.34		16 9 1961	1.64	35.83	
7 6 1959	1.52	30.11		20 10 1961	1.61	34.35	9
22 11 1959	1.67	37.34		25 10 1961	1.52	30.11	9
29 12 1959	1.70	38.90		10 8 1962	1.52	30.11	
19 1 1960	1.58	32.90		23 8 1962	1.67	37.34	
12 4 1960	1.70	38.90		9 9 1962	1.64	35.83	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1956-1957 1958-1959 1959-1960 1961-1962

91802

ALLT LEACHDACH AT INTAKE

GRID REF NN261781 AREA 6.47 SQ. KM BAC THRESHOLD 4.20 CUMECs GRADE A2
 PERIOD OF RECORD 28 12 1938 TO 28 12 1970
 SIGNIFICANT GAPS 29 8 1950 TO 26 9 1950 1 9 1954 TO 1 9 1955

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
7 2 1939		4.58		19 4 1947		4.58	
21 2 1939		4.95		16 9 1947		5.68	
3 3 1939		4.21					
15 7 1939		4.95		20 11 1947		8.68	
15 11 1939		4.74		1 2 1948		5.79	
31 11 1939		4.63		19 3 1948		4.21	
15 12 1940		5.89		31 7 1948		5.79	
2 9 1942		6.21		6 12 1948		4.21	
4 9 1942		4.53		25 12 1948		4.74	
20 9 1942		6.21		5 1 1949		4.47	
9 10 1942		6.31		19 1 1949		7.10	
15 10 1942		6.31		25 2 1949		4.47	
9 12 1942		4.58		28 2 1949		4.47	
24 1 1943		4.26		8 8 1949		6.31	
5 2 1943		4.37		17 10 1949		6.42	
11 2 1943		8.52		2 12 1949		4.21	
17 10 1943		6.00		7 12 1949		5.26	
21 1 1944		5.10		25 12 1949		6.84	
19 4 1944		5.00		16 2 1950		8.16	
1 5 1944		7.79		13 9 1950		5.53	
4 6 1944		4.53		1 2 1951		4.21	
4 11 1944		9.47		22 3 1951		6.05	
6 2 1945		5.79		7 12 1951		4.26	
24 2 1945		5.79		21 3 1952		4.31	
28 2 1945		4.31		27 10 1952		5.68	
31 3 1945		5.16		25 5 1953		13.26	
21 9 1945		4.74		2 9 1953		5.37	
17 12 1945		4.47		26 10 1953		4.84	
9 1 1946		4.47		6 11 1953		5.10	
24 1 1946		4.47		11 11 1953		4.74	
4 6 1946		5.26		2 12 1953		4.79	
30 7 1946		4.84		14 10 1955		6.16	
17 9 1946		4.58		25 12 1955		5.89	
21 9 1946		4.58		28 12 1955		6.95	
25 12 1946		5.79		20 1 1956		4.74	
1 1 1947		5.79		1 3 1956		6.58	
3 1 1947		4.63		29 7 1956		4.31	
11 1 1947		7.63		28 9 1956		5.89	
15 1 1947		8.68		23 10 1956		4.47	
21 3 1947		4.74		8 11 1956		4.31	
5 4 1947		4.63		12 12 1956		4.37	

91802

ALLT LEACHDACH AT INTAKE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
14 12 1956		6.52		8 10 1963		5.42	
3 1 1957		4.74		15 10 1963		5.10	
4 1 1957		6.21		20 10 1963		4.63	
20 1 1957		6.05					
25 1 1957		5.00		14 11 1964		4.53	
28 1 1957		5.47	2	18 11 1964		4.74	
3 2 1957		4.47		11 12 1964		4.84	
26 7 1957		4.74		8 5 1965		4.95	
				24 6 1965		5.37	
27 10 1957		6.21					
8 12 1957		4.26		27 10 1965		5.10	2
19 12 1957		6.05		31 10 1965		4.26	
21 12 1957		4.84					
4 1 1958		4.42		17 12 1966		12.00	
				5 3 1967		5.79	
9 10 1958		4.31		14 3 1967		4.53	
19 1 1959		5.79		12 9 1967		4.21	2
8 11 1959		5.47		6 10 1967		5.16	
24 11 1959		4.31		7 10 1967		5.16	
29 12 1959		4.37		13 10 1967		5.16	
30 12 1959		4.63		25 10 1967		4.53	
22 1 1960		4.47		14 1 1968		6.52	
12 4 1960		4.53		16 3 1968		4.47	
				26 3 1968		8.47	
27 1 1961		4.21		2 7 1968		4.31	
5 2 1961		4.42					
9 2 1961		5.26		11 10 1968		8.84	
11 3 1961		5.16		19 10 1968		5.16	
24 6 1961		6.10		22 12 1968		4.21	
14 7 1961		4.63		9 8 1969		6.05	
16 9 1961		4.58		21 9 1969		6.58	
26 9 1961		5.16					
				8 10 1969		5.53	
10 10 1961		4.26		13 10 1969		6.05	
9 1 1962		5.68		15 10 1969		4.84	
30 1 1962		6.31		2 11 1969		6.26	
11 2 1962		6.57		16 3 1970		6.16	
16 5 1962		4.21		6 6 1970		4.84	
29 9 1962		5.16		16 8 1970		4.63	
30 9 1962		6.79		7 9 1970		4.21	
				17 9 1970		5.42	
14 12 1962		4.21					
5 3 1963		4.21		4 10 1970		5.79	
24 3 1963		4.31		5 10 1970		5.74	
7 5 1963		4.26		5 12 1970		4.21	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
1953-1954 1954-1955

95801

LITTLE GRUINARD AT LITTLE GRUINARD

GRID REF N0944897 AREA 82.1 SQ.KM NSHEB GRADE C
PERIOD OF RECORD 15 11 1962 TO 11 2 1968 THRESHOLD 0.70 CUMECs
SIGNIFICANT GAPS
17 4 1963 TO 24 4 1965

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 12 1962	1.12	1.05		22 11 1964	1.09	0.88	
16 12 1962	1.28	2.11		28 11 1964	1.15	1.24	
20 8 1963	1.06	0.72		6 12 1964	1.20	1.54	
				10 12 1964	1.08	0.79	
8 10 1963	1.14	1.14		5 1 1965	1.28	2.11	9
9 10 1963	1.40	3.17		10 1 1965	1.24	1.87	
11 10 1963	1.28	2.11		13 1 1965	1.15	1.24	
21 10 1963	1.34	2.62	5	16 1 1965	1.09	0.88	
13 11 1963	1.09	0.84		30 8 1965	1.06	0.72	
29 1 1964	1.12	1.05		9 9 1965	1.50	4.25	
3 2 1964	1.18	1.44		10 9 1965	1.64	5.83	
7 5 1964	1.09	0.88		21 9 1965	1.31	2.36	
8 7 1964	1.18	1.44					
22 9 1964	1.06	0.72		30 11 1965	1.20	1.54	
				1 12 1965	1.06	0.72	9
20 10 1964	1.37	2.89		6 3 1966	1.15	1.24	

95801 LITTLE GRUINARD AT LITTLE GRUINARD

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
				16 12 1966	2.10	12.55	4
26 11 1966	1.09	0.88					
1 12 1966	1.76	7.40	4	5 12 1967	1.52	4.41	
15 12 1966	1.08	0.79		7 12 1967	1.08	0.79	

95803 ABHAIN CUILEG AT BRAEMORE

GRID REF NH193790 AREA 67.3 SQ.KM NSHEB THRESHOLD 45.00 CUMECs GRADE B
 PERIOD OF RECORD 5 3 1963 TO 1 5 1968
 SIGNIFICANT GAPS 29 1 1965 TO 10 5 1965 22 6 1965 TO 6 1 1966

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
				15 8 1967	1.96	58.29	
10 10 1963	1.82	46.13		1 9 1967	1.98	59.76	
21 10 1963	1.84	47.39		4 9 1967	2.30	96.78	
8 7 1964	1.99	61.26					
				1 10 1967	2.10	72.45	
13 11 1964	1.87	49.97		15 10 1967	1.92	54.02	
				18 10 1967	2.04	65.90	
30 3 1966	1.52	25.49		26 10 1967	2.07	69.12	
				1 11 1967	2.01	62.78	
16 12 1966	2.21	85.72		10 11 1967	2.31	98.86	
FLOAT STUCK				13 11 1967	1.84	47.39	
28 12 1966	2.07	69.12		27 11 1967	1.82	46.13	
2 2 1967	2.31	98.86		4 12 1967	2.27	92.73	
21 2 1967	1.82	46.13		11 12 1967	2.22	86.86	
27 2 1967	1.98	59.76		14 1 1968	2.24	88.79	
3 3 1967	2.62	146.89		18 1 1968	1.88	51.30	
5 3 1967	2.17	81.25		24 1 1968	1.90	52.65	
11 3 1967	1.92	54.02		26 1 1968	1.82	46.13	
14 3 1967	2.27	92.73		29 1 1968	2.07	69.12	
16 3 1967	2.08	70.78		5 3 1968	1.92	54.02	
24 3 1967	2.33	100.96		12 3 1968	1.84	47.39	
4 4 1967	2.20	84.96		16 3 1968	2.13	75.89	
19 4 1967	1.88	51.30		26 3 1968	2.71	163.91	
RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM							
1964-1965				1965-1966			

201004 WOODBURN CONTROL AREA (FLOWS MULTIPLIED BY 100)

GRID REF IJ372899 AREA 0.27 SQ.KM BCWC THRESHOLD 5.05 CUMECs GRADE A1
 PERIOD OF RECORD 21 9 1959 TO 11 1 1971

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
				10 11 1963		8.97	
30 1 1960		7.96		12 11 1963		7.20	
15 3 1960		5.30		17 11 1963		6.57	
13 7 1960		10.48		19 3 1964		5.18	
16 7 1960		10.99		23 3 1964		6.95	
25 8 1960		5.94					
				5 10 1964		7.32	
29 10 1960		6.69		9 10 1964		15.66	
31 10 1960		6.57					
9 11 1960		7.96		3 10 1965		5.94	
27 9 1961		5.18		1 12 1965		10.48	
				16 12 1965		13.39	
22 10 1961		6.06		19 2 1966		6.57	
4 12 1961		7.58		20 2 1966		8.46	
9 12 1961		14.14		22 2 1966		5.30	
10 1 1962		8.46		23 2 1966		7.83	
26 8 1962		8.08		SPIKE ON PEAK IGNORED			
8 9 1962		8.46		21 4 1966		11.62	
11 9 1962		7.45					
29 9 1962		9.47		6 10 1966		6.31	
30 9 1962		8.08		16 10 1966		6.57	
				28 12 1966		6.82	
31 10 1962		6.95		17 1 1967		6.19	
2 11 1962		9.98		26 1 1967		6.31	
7 12 1962		6.31		26 2 1967		5.94	
19 12 1962		7.96		9 3 1967		7.58	
				21 5 1967		5.18	

201004

WOODBURN CONTROL AREA

DATE	LEVEL	DISCHARGE	NOTE
14 8 1967		5.56	
11 9 1967		6.06	
17 9 1967		5.68	
18 10 1967		6.82	
1 11 1967		12.12	
2 11 1967		10.48	
12 1 1968		5.56	
13 1 1968		5.30	
15 1 1968		8.97	
3 2 1968		5.43	

DATE	LEVEL	DISCHARGE	NOTE
9 10 1968		9.09	
1 11 1968		15.66	
22 12 1968		5.18	
7 1 1969		7.32	
20 11 1969		5.18	
19 2 1970		5.68	
15 8 1970		18.69	
31 10 1970		6.69	
27 11 1970		5.43	

201006

ANNALONG AT RECORDER

GRID REF IJ349232 AREA 13.8 SQ.KM
 PERIOD OF RECORD 9 2 1895 TO 1 12 1943
 SIGNIFICANT GAPS
 30 12 1899 TO 28 12 1900 1 8 1914 TO
 1 11 1919 TO 27 12 1919 27 8 1927 TO

BCWC THRESHOLD 8.45 CUMECs GRADE A2

24 5 1915 23 10 1915 TO 1 1 1916
 26 9 1927 25 8 1928 TO 27 10 1928

DATE	LEVEL	DISCHARGE	NOTE
13 8 1895		8.63	
5 11 1895		11.05	
28 11 1895		12.62	
8 7 1896		11.73	
24 7 1896		20.88	
29 7 1896		11.31	
24 9 1896		28.93	
4 12 1896		9.31	
8 12 1896		8.89	
12 12 1896		14.73	
27 12 1896		16.83	
4 2 1897		10.57	
8 6 1897		10.52	
15 6 1897		13.26	
19 6 1897		12.47	
20 8 1897		11.05	
11 11 1897		12.20	
10 12 1897		12.62	
15 12 1897		9.47	
30 4 1898		9.21	
5 6 1898		13.15	
12 8 1898		9.42	
27 9 1898		14.99	
29 9 1898		19.99	
9 10 1898		9.73	
17 10 1898		16.15	
1 11 1898		14.47	
24 11 1898		10.78	
28 12 1898		9.84	
11 1 1899		10.05	
19 5 1899		11.68	
11 12 1899		9.31	
22 6 1901		14.47	
17 8 1901		10.26	
24 10 1901		9.94	
29 10 1901		14.47	
13 11 1901		20.78	
21 2 1902		8.68	
22 2 1902		11.20	
31 5 1902		14.62	
25 7 1902		12.47	
2 9 1902		17.88	
23 9 1902		8.52	
25 10 1902		10.41	

DATE	LEVEL	DISCHARGE	NOTE
8 11 1902		8.94	
11 11 1902		15.67	
24 11 1902		8.94	
1 12 1902		14.99	
15 12 1902		11.26	
9 1 1903		14.31	
2 3 1903		8.94	
27 6 1903		9.73	
14 7 1903		10.47	
16 7 1903		9.21	
25 7 1903		10.52	
10 9 1903		15.36	
25 10 1903		9.10	
28 11 1903		12.89	
17 12 1903		10.78	
22 12 1903		8.47	
13 6 1904		9.73	
13 8 1904		9.10	
17 8 1904		11.31	
3 8 1905		9.57	
25 8 1905		16.57	
10 11 1905		6.26	
2 8 1907		7.52	
18 9 1908		3.68	
3 4 1909		5.05	
2 8 1910		8.94	
28 9 1910		9.05	
16 12 1910		12.41	
5 1 1911		15.04	
27 3 1911		13.94	
3 5 1911		11.89	
29 10 1911		11.84	
14 11 1911		15.25	
19 2 1912		8.68	
27 6 1912		9.36	
12 7 1912		10.63	
4 8 1912		15.25	
9 12 1912		11.68	
27 12 1912		9.10	
11 1 1913		9.47	
28 1 1913		11.78	
6 5 1913		9.36	

201006

ANNALONG AT RECORDER

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
				20 8 1926		16.41	
14 10 1913		9.73					
26 10 1913		9.47		4 11 1926		12.47	
3 12 1913		12.05		18 11 1926		12.10	
17 2 1914		8.89		28 2 1927		9.99	
11 3 1914		11.41					
				18 11 1927		8.99	
19 5 1915		9.36		20 11 1927		9.84	
				14 1 1928		11.05	
8 10 1915		10.89		18 1 1928		14.47	
1 1 1916		9.31		20 1 1928		10.68	
				21 6 1928		13.89	
5 11 1916		13.41					
19 2 1917		12.57		16 11 1928		12.10	
12 5 1917		8.94		21 11 1928		9.94	
27 5 1917		10.89		16 12 1928		13.78	
				25 12 1928		9.99	
3 11 1917		13.62		20 1 1929		9.84	
20 12 1917		8.78		2 2 1929		13.31	
19 1 1918		12.52		7 2 1929		13.68	
18 2 1918		8.57		20 2 1929		9.26	
5 8 1918		10.78		5 8 1929		14.99	
15 9 1918		12.31		16 8 1929		13.26	
9 10 1918		11.15		19 11 1929		8.94	
13 10 1918		8.84		2 12 1929		9.68	
1 11 1918		11.94		17 5 1930		9.05	
4 11 1918		9.31		15 7 1930		22.88	
13 1 1919		9.31		19 8 1930		11.15	
19 3 1919		11.94		17 9 1930		20.67	
4 9 1919		11.94					
				4 10 1930		10.89	
28 12 1919		8.68		7 10 1930		10.52	
30 12 1919		10.99		17 10 1930		12.52	
22 4 1920		10.57		1 11 1930		10.26	
1 5 1920		14.41		18 11 1930		17.10	
7 8 1920		16.04		20 11 1930		13.89	
				24 11 1930		15.25	
28 11 1920		10.20		10 12 1930		20.72	
2 12 1920		23.67		15 12 1930		10.52	
29 12 1920		9.84		31 1 1931		12.05	
30 12 1920		16.10		28 5 1931		10.52	
30 5 1921		8.78		6 6 1931		22.46	
28 7 1921		9.47		16 8 1931		9.89	
				19 8 1931		10.52	
16 11 1921		9.21		3 9 1931		11.15	
15 1 1922		8.94					
2 2 1922		12.47		18 11 1931		8.94	
30 8 1922		12.47		23 11 1931		17.73	
				3 12 1931		9.42	
31 12 1922		8.47		18 5 1932		12.62	
17 2 1923		9.21		30 6 1932		10.52	
26 2 1923		8.78		21 8 1932		14.20	
22 8 1923		10.31					
				19 10 1932		14.57	
13 11 1923		9.21		16 12 1932		10.52	
13 1 1924		11.62		18 12 1932		11.41	
18 1 1924		9.15		2 3 1933		8.89	
27 4 1924		11.84		23 4 1933		8.57	
9 5 1924		9.15		24 4 1933		13.04	
28 7 1924		15.46		27 9 1933		17.10	
19 9 1924		9.78					
29 9 1924		11.84		19 10 1933		17.10	
				1 12 1933		11.26	
26 11 1924		9.99		13 1 1934		9.99	
4 12 1924		16.41		16 1 1934		8.73	
8 12 1924		13.15		1 8 1934		19.04	
29 12 1924		9.57		6 8 1934		12.62	
26 5 1925		10.63		7 9 1934		11.57	
22 9 1925		8.68		7 9 1934		9.47	
				22 9 1934		11.15	
28 10 1925		9.10		26 9 1934		8.52	
3 1 1926		8.73					
22 1 1926		9.57		4 10 1934		9.47	
14 2 1926		13.47		6 10 1934		8.78	
17 8 1926		8.78		25 10 1934		12.62	

201006

ANNALONG AT RECORDER

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 12 1934		11.05		7 9 1939		15.78	
5 12 1934		11.89					
25 12 1934		10.47		7 11 1939		8.68	
20 2 1935		9.94		9 12 1939		15.78	
24 9 1935		9.84		24 1 1940		9.52	
				26 1 1940		16.57	
7 10 1935		14.47		7 2 1940		9.99	
22 10 1935		10.36		16 3 1940		11.57	
30 12 1935		9.84		29 3 1940		9.89	
29 3 1936		10.10		2 4 1940		10.63	
17 7 1936		13.68		20 4 1940		10.41	
23 7 1936		16.83		30 4 1940		13.41	
6 8 1936		11.78					
19 8 1936		8.52		8 10 1940		14.36	
6 9 1936		10.89		20 10 1940		14.47	
24 9 1936		14.04		2 11 1940		10.15	
				5 11 1940		10.89	
11 11 1936		14.47		8 11 1940		11.47	
13 12 1936		8.57		11 11 1940		17.73	
4 1 1937		11.41		19 11 1940		12.62	
12 2 1937		12.57		13 12 1940		10.89	
26 2 1937		8.52		29 1 1941		9.47	
18 3 1937		8.78		5 2 1941		8.57	
5 7 1937		9.89		27 9 1941		8.68	
16 8 1937		15.41					
				9 10 1941		10.36	
18 11 1937		10.73		27 12 1941		9.94	
1 12 1937		14.73		19 1 1942		19.73	
21 12 1937		9.15		23 1 1942		11.05	
17 1 1938		12.47		4 3 1942		11.26	
4 6 1938		10.63		15 5 1942		10.78	
28 6 1938		15.25		17 5 1942		10.63	
29 7 1938		17.88		8 8 1942		8.84	
19 9 1938		14.20		24 8 1942		30.51	
23 9 1938		9.47		5 9 1942		12.89	
				28 9 1942		19.62	
3 10 1938		12.62					
8 10 1938		12.47		10 12 1942		10.84	
22 10 1938		13.31		20 12 1942		9.31	
18 11 1938		10.78		6 1 1943		14.20	
27 11 1938		9.47		12 1 1943		11.15	
6 1 1939		12.99		19 8 1943		12.89	
14 1 1939		16.67		4 9 1943		9.89	
19 1 1939		14.73					
3 9 1939		11.57		1 12 1943		10.26	
RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM							
1899-1900	1900-1901	1914-1915	1915-1916				

303001

BANDON AT BANDON BRIDGE

GRID REF IW493553 AREA 405.9 SQ.KM OPW THRESHOLD 74.00 CUMECs GRADE B
 PERIOD OF RECORD 25 7 1960 TO 30 9 1970
 SIGNIFICANT GAPS
 9 11 1968 TO 11 11 1968 6 1 1969 TO 24 1 1969

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 10 1960	2.19	81.75		15 4 1963	2.20	82.23	
21 11 1960	2.56	112.48		21 4 1963	2.32	92.09	
25 11 1960	2.22	84.17					
25 1 1961	2.49	106.58		31 10 1963	2.30	90.34	
28 1 1961	2.40	99.24		10 11 1963	2.49	106.58	
				11 12 1963	2.39	98.21	
10 12 1961	2.22	84.17		22 2 1964	2.42	100.53	
13 12 1961	2.15	78.41		12 3 1964	2.15	78.88	
15 3 1962	2.50	107.91		17 3 1964	2.68	123.52	
3 4 1962	2.22	84.17		19 3 1964	2.61	117.68	
30 9 1962	2.24	86.13					
				13 11 1964	2.10	74.65	
8 12 1962	2.32	92.34		9 12 1964	3.03	157.32	
14 2 1963	2.15	78.88		13 12 1964	3.41	197.06	
8 3 1963	2.31	91.09		13 1 1965	2.51	108.71	
14 3 1963	2.87	141.95		16 1 1965	2.20	82.23	
17 3 1963	2.09	74.18					
				16 11 1965	2.67	122.96	

303001

BANDON AT BANDON BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
15 12 1965	2.32	92.09		27 2 1967	2.79	134.35	
17 12 1965	3.03	157.32		23 12 1967	2.29	89.59	
23 12 1965	2.18	81.03		16 1 1968	2.20	82.47	
10 1 1966	2.13	76.75		23 3 1968	2.27	88.10	
25 1 1966	2.10	74.65		13 11 1968	2.30	90.84	
29 1 1966	2.40	98.72		22 11 1968	2.23	84.66	
4 2 1966	2.28	89.09		13 12 1968	2.26	87.11	
8 2 1966	2.40	99.24		24 12 1968	2.17	79.83	
15 2 1966	3.27	182.58		1 2 1970	2.02	68.69	
14 4 1966	2.10	74.65					
22 4 1966	2.10	74.65					
23 2 1967	2.26	87.60					

304004

FIGILE AT CLONBULLOGUE BRIDGE

GRID REF IN610234 AREA 261. SQ.KM
 PERIOD OF RECORD 8 8 1958 TO 30 9 1970

OPW THRESHOLD 15.60 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
20 8 1958	1.34	22.75		8 12 1962	1.18	18.86	
25 8 1958	1.25	20.46		21 11 1963	1.01	14.72	
27 8 1958	1.17	18.49		10 10 1964	1.19	18.94	
4 10 1958	1.05	15.61		9 12 1964	1.20	19.24	
19 12 1958	1.14	17.75		13 12 1964	1.63	30.88	
27 12 1958	1.21	19.54		16 12 1964	1.14	17.75	
17 10 1959	1.06	15.96		13 1 1965	1.37	23.56	
20 12 1959	1.05	15.61		18 1 1965	1.34	22.75	
27 12 1959	1.54	28.47		20 1 1965	1.15	18.12	
29 12 1959	1.32	22.35		19 11 1965	2.06	44.64	
5 1 1960	1.06	15.96		25 11 1965	1.52	27.69	
21 1 1960	1.26	20.77		9 12 1965	1.21	19.62	
30 1 1960	1.24	20.38		13 12 1965	1.35	22.99	
3 7 1960	1.12	17.24		17 12 1965	1.20	19.24	
26 8 1960	1.58	29.53		16 4 1966	1.14	17.75	
14 9 1960	1.85	37.96		22 2 1967	1.17	18.49	
2 10 1960	1.40	24.38		28 2 1967	1.40	24.46	
8 10 1960	1.71	33.36		17 10 1967	1.28	21.16	
2 11 1960	1.32	22.27		2 11 1967	1.12	17.24	
21 11 1960	1.27	21.00		9 1 1968	1.49	26.91	
24 11 1960	1.30	21.79		14 1 1968	1.08	16.31	
26 11 1960	1.18	18.86		19 8 1968	1.28	21.16	
30 11 1960	1.27	21.00		18 12 1968	1.24	20.23	
4 12 1960	1.61	30.52		25 12 1968	1.97	41.76	
6 12 1960	1.21	19.54		13 1 1969	1.08	16.31	
18 1 1961	1.31	21.95		21 1 1969	1.35	23.07	
21 1 1961	1.47	26.31		17 2 1970	1.09	16.53	
31 1 1961	1.09	16.53		22 2 1970	1.14	17.75	
6 2 1961	1.24	20.38		25 4 1970	1.37	23.56	
26 9 1962	1.21	19.62		16 8 1970	1.28	21.16	
30 9 1962	1.14	17.75					
5 11 1962	1.06	15.82					

304005

BARROW AT PORTARLINGTON

GRID REF IN540128 AREA 368.7 SQ.KM
 PERIOD OF RECORD 19 5 1955 TO 30 9 1970

OPW THRESHOLD 32.50 GRADE A1
 CUMECs

SIGNIFICANT GAPS
 17 11 1968 TO 25 12 1968 11 12 1969 TO 23 1 1970 25 1 1970 TO 4 3 1970

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
21 1 1956	2.22	32.90		23 1 1957	2.59	42.37	
26 1 1956	2.33	35.54		25 1 1957	2.37	36.69	
6 9 1956	2.25	33.65		20 3 1957	2.52	40.61	
30 12 1956	2.62	43.02		30 10 1957	2.31	35.16	
				25 1 1958	2.34	35.92	

304005

BARROW AT PORTARLINGTON

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 2 1958	2.68	44.65		8 12 1964	2.62	43.02	
20 8 1958	2.46	39.02		13 12 1964	2.80	47.97	
25 8 1958	2.37	36.69		16 12 1964	2.27	34.02	
27 8 1958	2.31	35.16		10 1 1965	2.23	33.20	
23 9 1958	2.30	34.78		14 1 1965	2.62	43.02	
19 12 1958	2.40	37.46		18 11 1965	2.62	43.02	
27 12 1958	2.22	32.90		26 11 1965	2.51	40.21	
7 1 1959	2.28	34.40		3 12 1965	2.46	39.02	
28 12 1959	2.65	43.99		10 12 1965	2.52	40.61	
21 1 1960	2.23	33.05		12 12 1965	2.40	37.46	
30 1 1960	2.35	36.23		17 12 1965	2.62	43.02	
13 9 1960	2.80	47.88		29 12 1965	2.22	32.90	
2 10 1960	2.55	41.17		29 1 1966	2.34	33.92	
2 11 1960	2.63	43.26		15 2 1966	2.35	36.07	
11 11 1960	2.25	33.65		1 4 1966	2.31	35.16	
21 11 1960	2.43	38.24		16 4 1966	2.52	40.61	
24 11 1960	2.59	42.37		4 10 1966	2.37	36.69	
1 12 1960	2.39	37.07		6 10 1966	2.56	41.41	
4 12 1960	2.80	47.88		10 12 1966	2.22	32.90	
5 1 1961	2.33	35.54		23 2 1967	2.59	42.21	
19 1 1961	2.40	37.46		28 2 1967	2.71	45.47	
27 1 1961	2.25	33.65		7 10 1967	2.36	36.30	
31 1 1961	2.22	32.90		17 10 1967	2.65	43.83	
6 2 1961	2.20	32.53		31 10 1967	2.27	34.02	
11 12 1961	2.29	34.55		2 11 1967	2.22	32.90	
30 9 1962	2.28	34.40		9 1 1968	2.74	46.30	
5 11 1962	2.42	37.85		14 1 1968	2.37	36.69	
8 12 1962	2.22	32.82		24 3 1968	2.43	38.24	
31 10 1963	2.34	35.77		2 11 1968	2.31	35.16	
5 11 1963	2.21	32.75		26 12 1968	2.52	40.61	
11 11 1963	2.34	35.77		10 1 1969	2.23	33.20	
18 11 1963	2.34	35.92		13 1 1969	2.57	41.81	
21 11 1963	2.43	38.24		17 1 1969	2.26	33.80	
				21 1 1969	2.65	43.99	
				25 4 1970	2.35	36.15	

304006

BARROW AT PASS BRIDGE

GRID REF IN621109 AREA 1055. SQ. KM
 PERIOD OF RECORD 8 9 1954 TO 30 9 1970

OPW THRESHOLD 62.30 GRADE A1 CUMEDS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 10 1954	2.60	65.59		24 9 1958	2.53	62.56	
30 10 1954	3.04	84.92		21 12 1958	2.77	72.72	
23 11 1954	2.98	82.01		27 12 1958	2.70	69.84	
10 12 1954	3.59	111.34		7 1 1959	2.56	63.70	
14 12 1954	2.65	67.51		28 12 1959	3.12	88.42	
16 1 1955	2.52	62.44		21 1 1960	2.72	70.75	
28 1 1955	2.56	63.70		31 1 1960	2.75	72.06	
7 2 1955	2.59	64.96		2 2 1960	2.56	63.70	
1 3 1955	2.56	63.70		26 8 1960	2.77	72.72	
26 1 1956	2.71	70.10		15 9 1960	3.34	98.92	
7 9 1956	2.68	68.80		3 10 1960	2.90	78.33	
31 12 1956	2.83	75.37		8 10 1960	2.72	70.49	
24 1 1957	2.81	74.31		3 11 1960	2.90	78.47	
20 3 1957	2.91	78.74		22 11 1960	2.91	78.74	
30 10 1957	2.81	74.31		25 11 1960	2.95	80.78	
26 1 1958	2.76	72.46		1 12 1960	2.86	76.71	
28 1 1958	2.62	66.23		5 12 1960	3.33	98.48	
11 2 1958	3.12	88.28		28 12 1960	2.65	67.51	
16 2 1958	2.71	70.10		5 1 1961	2.54	63.07	
25 2 1958	2.82	74.84		19 1 1961	2.83	75.37	
21 8 1958	2.87	77.12		21 1 1961	2.74	71.41	
25 8 1958	2.80	74.04		31 1 1961	2.62	66.23	
28 8 1958	2.71	70.10		6 2 1961	2.80	74.04	

304006 BARROW AT PASS BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 9 1962	2.54	63.07		16 4 1966	2.81	74.71	
2 10 1962	2.59	64.96		6 10 1966	2.68	68.80	
5 11 1962	2.55	63.44		23 2 1967	3.01	83.53	
9 12 1962	2.66	68.16		28 2 1967	3.07	86.31	
18 11 1963	2.61	65.98		17 10 1967	2.81	74.71	
21 11 1963	2.65	67.51		2 11 1967	2.52	62.44	
9 12 1964	2.85	76.31		10 1 1968	3.13	89.12	
14 12 1964	3.42	102.90		14 1 1968	2.71	70.10	
16 12 1964	2.74	71.41		16 1 1968	2.52	62.44	
18 1 1965	3.04	84.92		24 3 1968	2.71	70.10	
19 11 1965	3.35	99.21		2 11 1968	2.62	66.23	
26 11 1965	2.85	76.44		14 12 1968	2.74	71.41	
3 12 1965	2.63	66.61		18 12 1968	2.68	69.06	
10 12 1965	2.75	72.06		26 12 1968	3.87	125.21	
13 12 1965	2.74	71.41		14 1 1969	2.81	74.44	
18 12 1965	2.85	76.31		22 1 1969	2.98	82.15	
30 1 1966	2.52	62.44		22 2 1970	2.75	72.06	
2 3 1966	2.56	63.70		25 4 1970	2.83	75.37	

304018 BARROW AT ROYAL OAK BRIDGE

GRID REF IS690613 AREA 2398. SQ.KM
 PERIOD OF RECORD 1 10 1954 TO 30 9 1970

OPW THRESHOLD 108.50 GRADE A2 CUMEDS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 10 1954	2.14	133.48		20 1 1961	2.24	142.59	
30 11 1954	2.20	139.53		6 2 1961	2.43	163.08	
9 12 1954	2.56	177.19		16 1 1962	1.85	106.17	
16 1 1955	1.95	114.54		1 10 1962	2.04	123.15	
29 1 1955	2.10	129.01		7 11 1962	2.10	129.01	
3 2 1955	2.13	131.99		10 12 1962	1.98	117.38	
8 2 1955	1.96	115.96		7 2 1963	2.39	158.26	
27 1 1956	1.70	100.73		15 2 1963	2.10	129.01	
31 12 1956	2.13	131.99		18 3 1963	1.92	112.57	
25 1 1957	1.89	109.21		31 10 1963	1.94	113.69	
21 3 1957	1.92	111.73		11 11 1963	1.97	116.81	
31 10 1957	1.88	108.94		19 11 1963	1.92	112.29	
24 12 1957	2.04	123.15		25 3 1964	2.04	123.15	
27 1 1958	2.01	120.25		9 12 1964	2.12	131.39	
11 2 1958	2.36	155.39		13 12 1964	2.54	174.20	
25 2 1958	2.16	134.98		18 1 1965	2.40	159.86	
27 6 1958	1.92	111.73		18 11 1965	2.61	181.89	
22 8 1958	2.01	120.25		27 11 1965	2.22	141.05	
27 8 1958	2.16	134.68		4 12 1965	2.10	128.72	
5 10 1958	1.99	118.53		15 12 1965	2.28	147.22	
20 12 1958	2.10	129.01		11 1 1966	1.93	113.13	
28 12 1958	1.99	118.82		29 1 1966	2.03	121.99	
8 1 1959	1.95	114.54		5 2 1966	2.00	119.68	
22 1 1959	1.92	111.73		20 2 1966	2.07	126.07	
20 12 1959	1.93	113.13		2 3 1966	1.94	113.98	
29 12 1959	2.34	152.86		17 4 1966	2.05	124.60	
5 1 1960	1.90	110.33		8 10 1966	2.06	125.78	
23 1 1960	2.10	129.61		19 10 1966	2.07	126.07	
3 2 1960	2.24	142.59		23 2 1967	2.51	170.90	
17 9 1960	2.27	146.60		28 2 1967	2.33	151.92	
3 10 1960	2.39	158.90		18 10 1967	2.11	130.50	
10 10 1960	2.22	141.05		3 11 1967	2.05	124.02	
29 10 1960	2.11	130.50		9 1 1968	2.43	162.43	
3 11 1960	2.24	142.59		14 1 1968	2.16	134.98	
24 11 1960	2.43	163.08		25 3 1968	1.95	115.39	
4 12 1960	2.69	190.72		3 11 1968	2.15	134.38	
12 12 1960	1.92	111.73		23 11 1968	1.99	118.24	
29 12 1960	2.08	127.54					
6 1 1961	1.90	110.33					

304018 BARROW AT ROYAL OAK BRIDGE

DATE	LEVEL	DISCHARGE	NOTE
19 12 1968	2.43	163.08	
25 12 1968	2.59	179.53	
13 1 1969	2.41	160.82	
21 1 1969	2.44	164.05	

DATE	LEVEL	DISCHARGE	NOTE
22 2 1970	2.24	142.59	
27 4 1970	1.92	111.73	

304019 BARROW AT LEVITSTOWN LOCK BRIDGE

GRID REF IS700867 AREA 1663. SQ. KM
 PERIOD OF RECORD 1 10 1954 TO 30 9 1970

OPW THRESHOLD 77.00 GRADE A2 CUMEGS

DATE	LEVEL	DISCHARGE	NOTE
29 10 1954	1.96	102.62	
24 11 1954	1.90	98.00	
11 12 1954	2.35	146.80	
16 1 1955	1.70	83.75	
29 1 1955	1.76	88.12	
2 2 1955	1.70	83.75	
8 2 1955	1.70	83.31	
3 3 1955	1.66	80.74	
27 1 1956	1.68	82.02	
31 12 1956	1.87	95.95	
24 1 1957	1.73	85.92	
21 3 1957	1.73	85.92	
30 10 1957	1.73	85.48	
26 1 1958	1.75	87.46	
12 2 1958	2.00	105.66	
16 2 1958	1.76	88.12	
25 2 1958	1.85	94.82	
21 8 1958	1.82	92.56	
26 8 1958	1.90	98.23	
24 9 1958	1.64	79.46	
5 10 1958	1.69	82.67	
20 12 1958	1.81	91.89	
27 12 1958	1.73	85.92	
7 1 1959	1.68	82.02	
29 12 1959	2.09	112.56	
22 1 1960	1.79	90.33	
3 2 1960	1.86	95.50	
17 9 1960	2.25	131.08	
3 10 1960	2.04	109.21	
9 10 1960	2.00	105.66	
28 10 1960	1.88	97.09	
3 11 1960	2.01	106.37	
22 11 1960	2.11	114.62	
6 12 1960	2.40	154.97	
28 12 1960	1.81	91.89	
6 1 1961	1.67	81.16	
19 1 1961	1.94	101.00	
7 2 1961	2.03	108.26	
11 12 1961	1.61	77.34	
1 10 1962	1.77	88.78	
5 11 1962	1.77	88.56	

DATE	LEVEL	DISCHARGE	NOTE
9 12 1962	1.78	89.00	
6 2 1963	1.69	82.67	
30 10 1963	1.67	81.59	
11 11 1963	1.64	79.46	
22 11 1963	1.76	88.12	
25 3 1964	1.80	90.77	
10 12 1964	1.85	94.36	
13 12 1964	2.27	134.68	
22 1 1965	1.68	82.02	
20 11 1965	2.28	135.59	
26 11 1965	1.93	100.53	
3 12 1965	1.78	89.22	
10 12 1965	1.95	101.69	
13 12 1965	1.92	99.38	
18 12 1965	1.98	104.02	
30 1 1966	1.74	86.36	
16 2 1966	1.73	85.48	
2 3 1966	1.69	82.67	
2 4 1966	1.79	90.33	
17 4 1966	1.97	103.55	
23 4 1966	1.79	89.89	
15 6 1966	1.74	86.14	
7 10 1966	1.91	98.92	
19 10 1966	1.72	85.27	
13 12 1966	1.69	82.67	
23 2 1967	2.24	129.13	
1 3 1967	2.13	116.98	
18 10 1967	1.85	94.36	
2 11 1967	1.82	92.56	
23 12 1967	1.64	79.46	
5 1 1968	1.64	79.46	
9 1 1968	2.21	126.30	
14 1 1968	1.98	104.02	
24 3 1968	1.87	95.95	
3 11 1968	1.93	100.53	
15 12 1968	1.98	104.02	
27 12 1968	2.51	174.55	
13 1 1969	2.20	125.59	
18 1 1969	1.88	96.63	
22 1 1969	2.27	133.32	
22 2 1970	2.04	109.21	
26 4 1970	1.93	100.53	

305001

BRIDE AT MOGEELY BRIDGE

GRID REF IW955941 AREA 332. SQ.KM OPW THRESHOLD 53.00 GRADE C
 PERIOD OF RECORD 1 10 1956 TO 30 9 1970
 SIGNIFICANT GAPS
 31 1 1957 TO 3 2 1957 22 2 1961 TO 26 2 1961 6 11 1963 TO 10 11 1963
 10 12 1964 TO 13 12 1964 4 1 1966 TO 6 1 1966 13 10 1967 TO 15 10 1967
 24 1 1969 TO 26 1 1969 14 8 1970 TO 16 8 1970

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
8 11 1956	1.83	57.15		14 2 1963	1.74	54.80	
25 12 1956	1.88	58.40		8 3 1963	1.92	59.41	
27 12 1956	1.93	59.80		14 3 1963	1.82	56.84	
30 12 1956	1.79	56.21		17 3 1963	1.70	53.86	
31 12 1956	1.73	54.49					
23 1 1957	1.70	53.78		30 10 1963	1.89	58.71	
3 2 1957	1.67	53.07		8 12 1963	1.87	58.17	
4 2 1957	1.76	55.35		22 2 1964	1.78	55.82	
7 2 1957	1.75	55.11		17 3 1964	2.16	65.54	
25 9 1957	2.28	68.55		18 3 1964	2.21	66.77	
				23 3 1964	1.69	53.62	
25 1 1958	1.69	53.62					
27 1 1958	1.75	55.11		7 12 1964	1.70	53.70	
9 2 1958	1.74	54.96					
10 2 1958	1.85	57.77		16 11 1965	2.46	73.15	
17 3 1958	1.71	54.09		14 12 1965	1.81	56.60	
22 3 1958	1.71	54.02		16 12 1965	1.71	54.02	
19 8 1958	1.88	58.56		10 1 1966	2.24	67.47	
27 8 1958	2.06	63.06		24 1 1966	1.87	58.24	
2 9 1958	2.10	64.15		27 1 1966	1.80	56.37	
				3 2 1966	1.80	56.29	
19 12 1958	1.84	57.31		15 2 1966	2.10	64.15	
21 12 1958	1.75	55.19		19 2 1966	1.75	55.04	
19 1 1959	1.67	53.15		25 2 1966	1.70	53.86	
9 5 1959	1.72	54.41		9 4 1966	1.92	59.33	
8 12 1959	1.87	58.24		18 10 1966	1.67	53.07	
9 12 1959	1.75	55.04		23 2 1967	1.79	56.05	
18 3 1960	1.71	54.09		17 9 1967	1.87	58.17	
28 9 1960	1.81	56.52					
				22 3 1968	1.64	52.36	
1 10 1960	2.11	64.23					
6 11 1960	1.98	60.89		10 11 1968	1.95	60.11	
21 11 1960	1.85	57.77		13 11 1968	1.78	55.82	
4 12 1960	1.67	53.15		13 12 1968	2.66	78.18	
18 1 1961	1.96	60.50		15 12 1968	1.84	57.31	
24 1 1961	2.14	65.15		24 12 1968	1.69	53.62	
27 1 1961	1.98	60.89		12 1 1969	1.95	60.27	
20 4 1961	1.85	57.70		18 1 1969	2.17	65.69	
				20 1 1969	2.25	67.85	
15 1 1962	1.74	54.88					
15 3 1962	1.88	58.40					

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1964-1965 1969-1970

305002

MUNSTER BLACKWATER AT BALLYDUFF

GRID REF IW964991 AREA 2326. SQ.KM OPW THRESHOLD 253.00 GRADE C
 PERIOD OF RECORD 19 9 1955 TO 30 9 1970
 SIGNIFICANT GAPS
 5 1 1959 TO 12 1 1959 3 9 1966 TO 5 9 1966 12 12 1968 TO 14 12 1968

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
13 12 1955	3.11	301.94		28 8 1958	3.13	305.66	
20 3 1956	3.10	301.53		3 9 1958	3.32	330.84	
26 3 1956	2.95	281.54					
				20 12 1958	3.29	326.60	
9 11 1956	3.02	289.64		10 5 1959	2.98	285.18	
26 12 1956	2.81	262.00					
28 12 1956	2.96	282.75		11 12 1959	3.32	331.69	
1 1 1957	2.92	276.31		26 12 1959	2.96	282.75	
26 9 1957	4.11	447.07		30 12 1959	2.98	285.18	
				1 1 1960	3.20	315.23	
11 1 1958	2.76	256.50		3 2 1960	2.95	280.33	
26 1 1958	3.34	334.24		14 9 1960	3.10	300.70	
11 2 1958	3.35	335.09					
				3 10 1960	3.47	351.87	

305002

MUNSTER BLACKWATER AT BALLYDUFF

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
2 11 1960	3.07	297.00		10 12 1965	3.63	374.64	
13 11 1960	2.87	270.71		15 12 1965	3.16	309.81	
15 11 1960	2.77	256.89		18 12 1965	3.33	332.11	
21 11 1960	3.04	293.31		11 1 1966	3.41	344.53	
25 11 1960	3.01	288.83		26 1 1966	3.18	311.48	
5 12 1960	3.65	378.63		29 1 1966	2.96	281.94	
29 12 1960	2.87	270.71		2 2 1966	2.95	280.33	
19 1 1961	3.36	337.23		5 2 1966	3.08	297.82	
26 1 1961	3.75	392.92		16 2 1966	3.45	349.70	
3 2 1961	2.98	284.77		19 2 1966	3.01	288.83	
				25 2 1966	2.79	260.03	
16 1 1962	3.39	341.09		10 4 1966	3.16	309.81	
16 3 1962	2.88	272.31		12 4 1966	3.04	293.31	
				17 4 1966	3.10	301.11	
9 12 1962	2.88	271.91					
8 3 1963	3.04	293.31		24 2 1967	3.50	356.65	
15 3 1963	2.97	283.15		28 2 1967	3.20	313.98	
1 11 1963	3.46	351.44		18 10 1967	2.67	244.84	
11 11 1963	3.34	333.82					
26 11 1963	2.92	277.51		14 11 1968	2.97	283.96	
12 12 1963	3.43	346.25		15 12 1968	3.22	317.75	
19 3 1964	3.44	347.54		25 12 1968	3.63	375.53	
17 8 1964	3.24	320.27		10 1 1969	4.17	456.00	
				13 1 1969	3.37	338.51	
9 12 1964	3.16	309.39		18 1 1969	3.48	354.04	
14 12 1964	3.65	378.63		21 1 1969	3.61	372.88	
17 1 1965	3.35	335.95					
				20 1 1970	2.81	262.39	
17 11 1965	3.82	402.85		17 2 1970	2.80	261.60	
29 11 1965	2.77	256.89		21 2 1970	2.77	257.28	
4 12 1965	3.42	344.96					

305003

MUNSTER BLACKWATER AT KILAVULLEN

GRID REF	IW648998	AREA	1250	SQ.KM	OPW	GRADE	B
PERIOD OF RECORD	1 10 1955 TO	30 9 1970			THRESHOLD	222.00	CUMECs
SIGNIFICANT GAPS							
18 3 1957 TO	25 3 1957	16 10 1961 TO	23 10 1961	7 12 1964 TO	14 12 1964		
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
13 12 1955	2.63	229.08		3 10 1960	3.25	324.15	
20 3 1956	3.01	286.37		2 11 1960	2.83	258.36	
26 3 1956	2.85	262.04		25 11 1960	2.72	242.45	
				5 12 1960	3.68	396.14	
8 11 1956	3.11	302.17		19 1 1961	2.94	275.52	
26 12 1956	2.83	258.81		26 1 1961	3.82	420.62	
28 12 1956	3.04	290.18		28 1 1961	2.82	256.98	
1 1 1957	2.68	235.73					
24 1 1957	2.63	229.52		16 1 1962	3.26	315.25	
1 2 1957	2.86	263.42					
5 2 1957	2.84	259.27		9 3 1963	2.59	222.96	
6 2 1957	2.71	240.65					
8 2 1957	2.64	229.96		1 11 1963	3.65	375.31	
26 9 1957	4.09	468.17		11 11 1963	3.48	348.03	
				27 11 1963	2.77	246.92	
26 1 1958	3.26	325.63		12 12 1963	3.04	284.58	
29 1 1958	3.19	314.81		19 3 1964	3.18	304.16	
11 2 1958	3.28	329.10		17 8 1964	2.74	242.46	
24 5 1958	2.79	252.86					
28 8 1958	2.66	232.62		17 1 1965	3.22	309.47	
3 9 1958	2.70	239.31					
				17 11 1965	3.84	404.35	
20 12 1958	2.97	279.28		4 12 1965	3.35	328.76	
6 1 1959	2.79	252.86		10 12 1965	3.65	374.36	
10 5 1959	2.71	240.20		15 12 1965	2.71	239.63	
				18 12 1965	3.00	278.59	
9 12 1959	3.16	310.41		11 1 1966	3.10	293.22	
11 12 1959	3.36	341.58		27 1 1966	2.62	226.89	
26 12 1959	2.72	242.45		16 2 1966	3.01	279.44	
30 12 1959	2.71	240.20		9 4 1966	2.59	222.96	
2 1 1960	3.11	302.17		12 4 1966	2.83	255.11	
15 9 1960	2.80	254.23					
				24 2 1967	3.59	365.34	

305003 MUNSTER BLACKWATER AT KILAVULLEN

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
28 2 1967	2.88	262.57		13 1 1969	2.88	262.57	
18 10 1967	2.57	221.00		18 1 1969	3.18	304.60	
11 11 1968	2.65	230.84		21 1 1969	3.19	305.48	
14 11 1968	2.65	231.64		19 1 1970	2.49	248.90	
23 11 1968	2.86	259.25		20 1 1970	2.83	312.73	
14 12 1968	4.19	462.28		22 1 1970	2.81	309.17	
16 12 1968	2.61	226.49		24 1 1970	2.66	280.24	
25 12 1968	3.32	324.68		2 2 1970	2.46	244.11	
10 1 1969	4.18	461.24		18 2 1970	2.56	260.78	
				22 2 1970	2.52	253.73	

305004 AWBEG AT BALLYNAMONA BRIDGE

GRID REF IR657074 AREA 312.8 SQ.KM
 PERIOD OF RECORD 1 9 1955 TO 1 9 1970 OPW THRESHOLD 24.60 GRADE C CUMECS
 SIGNIFICANT GAPS 22 2 1964 TO 24 2 1964

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
15 12 1955	1.58	29.63		11 11 1963	1.41	24.99	
27 1 1956	1.46	26.16		11 12 1963	1.66	32.06	
21 3 1956	1.63	31.79		18 3 1964	1.74	34.37	
24 9 1956	1.42	25.15		19 3 1964	1.75	34.94	
26 9 1956	1.68	32.71		17 8 1964	1.76	35.22	
1 1 1957	1.91	39.75		9 12 1964	1.55	28.75	
23 1 1957	1.41	24.99		13 12 1964	1.72	33.81	
8 2 1957	1.51	27.79		28 12 1964	1.67	32.34	
31 3 1957	1.48	26.85		16 1 1965	1.67	32.43	
25 9 1957	1.76	35.22		21 1 1965	1.43	25.40	
10 2 1958	1.56	29.10		2 5 1965	1.60	30.35	
23 8 1958	1.58	29.63		22 11 1965	1.80	36.36	
3 9 1958	1.67	32.43		3 12 1965	1.67	32.25	
6 1 1959	1.66	32.16		10 12 1965	1.67	32.25	
26 12 1959	1.67	32.34		18 12 1965	1.57	29.55	
30 12 1959	1.67	32.34		10 1 1966	1.74	34.65	
26 1 1960	1.46	26.16		26 1 1966	1.67	32.34	
14 9 1960	1.60	30.35		30 1 1966	1.55	28.93	
19 9 1960	1.63	31.25		4 2 1966	1.61	30.62	
28 9 1960	1.64	31.52		20 2 1966	1.92	40.24	
2 10 1960	1.79	36.17		25 2 1966	1.41	24.90	
1 11 1960	1.60	30.35		10 4 1966	1.68	32.61	
12 11 1960	1.49	27.27		16 4 1966	1.64	31.52	
25 11 1960	1.60	30.44		8 10 1966	1.42	25.15	
4 12 1960	1.78	35.69		18 10 1966	1.42	25.15	
29 12 1960	1.62	30.98		23 2 1967	1.65	31.70	
25 1 1961	1.68	32.71		28 2 1967	1.53	28.32	
2 2 1961	1.64	31.61		17 10 1967	1.42	25.15	
16 1 1962	1.52	27.97		30 11 1967	1.50	27.45	
16 3 1962	1.41	24.90		9 1 1968	1.60	30.35	
19 5 1962	1.69	32.98		2 11 1968	1.58	29.72	
5 11 1962	1.58	29.81		15 12 1968	1.81	36.74	
7 2 1963	1.53	28.14		23 12 1968	1.52	27.97	
10 2 1963	1.61	30.62		27 12 1968	1.79	36.17	
8 3 1963	1.42	25.24		13 1 1969	2.34	54.69	
31 10 1963	1.55	28.84		20 1 1969	1.80	36.26	
				19 1 1970	1.48	26.76	
				17 2 1970	1.62	30.80	
				22 2 1970	1.52	27.97	

305005

FUNSHION AT DOWNING BRIDGE

GRID REF IR824018 AREA 375. SQ.KM
 PERIOD OF RECORD 12 9 1955 TO 30 9 1970
 SIGNIFICANT GAPS
 3 5 1965 TO 13 7 1965

OPW THRESHOLD 43.60 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 12 1955	1.33	46.39		18 3 1964	1.78	72.85	
13 12 1955	1.35	47.38		19 3 1964	1.86	77.92	
14 12 1955	1.56	59.81		20 3 1964	1.28	43.79	
13 1 1956	1.35	47.55		23 3 1964	1.49	55.56	
20 3 1956	1.51	56.61		17 8 1964	1.66	65.47	
24 3 1956	1.45	53.12		12 12 1964	1.74	70.17	
26 9 1956	1.32	46.07		16 1 1965	1.66	65.29	
30 12 1956	1.49	55.21		16 11 1965	1.69	67.53	
31 12 1956	1.36	48.21		29 11 1965	1.43	51.92	
2 1 1957	1.28	43.63		2 12 1965	1.67	66.22	
23 1 1957	1.30	44.92		9 12 1965	1.80	74.20	
25 9 1957	2.32	109.87		15 12 1965	1.41	50.90	
27 1 1958	1.52	57.14		17 12 1965	1.51	56.79	
10 2 1958	1.49	55.38		10 1 1966	1.54	58.38	
19 8 1958	1.54	58.20		29 1 1966	1.45	53.30	
27 8 1958	1.66	65.29		2 2 1966	1.30	45.09	
2 9 1958	2.05	90.48		4 2 1966	1.31	45.25	
6 9 1958	1.30	45.09		15 2 1966	1.41	50.73	
5 11 1958	1.28	43.63		9 4 1966	1.46	53.64	
20 12 1958	1.49	55.73		16 4 1966	1.53	58.03	
9 12 1959	1.52	57.14		4 9 1966	1.32	45.90	
29 12 1959	1.28	43.63		6 10 1966	1.42	51.58	
14 9 1960	1.67	65.85		13 10 1966	1.50	56.26	
18 9 1960	1.33	46.56		17 10 1966	1.35	47.55	
19 9 1960	1.50	56.26		22 2 1967	1.49	55.38	
1 10 1960	1.84	76.54		17 9 1967	1.31	45.57	
20 11 1960	1.40	50.56		8 1 1968	1.51	56.79	
4 12 1960	1.75	71.31		2 11 1968	1.54	58.56	
18 1 1961	1.67	66.03		21 11 1968	1.38	49.21	
24 1 1961	1.46	53.99		13 12 1968	2.64	134.13	
20 4 1961	1.34	47.05		15 12 1968	1.39	49.89	
15 1 1962	1.28	43.95		25 12 1968	1.82	75.37	
19 5 1962	1.49	55.38		9 1 1969	2.06	91.53	
4 11 1962	1.26	42.99		12 1 1969	1.37	48.88	
30 10 1963	1.46	53.64		17 1 1969	1.82	75.56	
11 12 1963	1.34	47.22		20 1 1969	2.11	94.68	
17 3 1964	1.43	52.27		21 1 1969	1.34	46.89	
				17 1 1970	1.30	44.76	
				19 1 1970	1.37	48.88	
				20 2 1970	1.32	46.07	

307001

BONET AT DROMAHAIR BRIDGE

GRID REF IG802313 AREA 294.0 SQ.KM
 PERIOD OF RECORD 1 10 1957 TO 30 9 1970
 SIGNIFICANT GAPS
 18 7 1960 TO 22 7 1960 12 2 1962 TO 19 2 1962
 2 11 1964 TO 9 11 1964

OPW THRESHOLD 83.90 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 10 1957	1.84	92.17		16 9 1961	1.79	86.86	
7 12 1957	1.97	107.32		17 10 1961	1.85	93.87	
31 12 1957	2.03	114.70		22 10 1961	2.24	141.90	
25 1 1958	2.31	151.94		29 11 1961	2.00	111.02	
12 12 1958	1.70	77.37		4 12 1961	2.61	200.06	
27 10 1959	1.79	87.19		15 1 1962	1.88	96.62	
8 12 1959	1.82	89.83		26 8 1962	1.96	106.22	
15 7 1960	1.82	90.50		11 9 1962	2.20	136.39	
3 11 1960	1.84	92.17		29 9 1962	1.92	100.82	
13 7 1961	1.82	90.50		5 11 1962	1.92	100.82	
				7 12 1962	1.76	83.95	

307001

BONET AT DROMAHAIR BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
15 12 1962	2.24	142.75		18 8 1967	1.97	107.32	
7 5 1963	1.82	89.83					
23 11 1963	1.88	97.31		29 11 1967	1.82	90.50	
30 1 1964	1.86	94.21		31 12 1967	1.84	92.51	
13 6 1964	1.85	93.19		8 1 1968	2.13	128.15	
26 8 1964	2.00	111.39		17 1 1968	1.85	92.85	
				1 4 1968	1.79	86.54	
6 10 1964	2.02	112.90		20 9 1968	2.08	121.37	
15 10 1964	1.78	85.24		28 9 1968	1.92	101.53	
7 12 1964	1.76	83.95					
9 1 1965	2.17	133.47		2 10 1968	2.38	162.82	
17 1 1965	1.83	91.17		9 10 1968	1.82	90.50	
15 6 1965	2.02	113.65		19 10 1968	1.78	85.89	
17 9 1965	1.92	101.53		1 11 1968	2.92	256.78	
				13 12 1968	2.07	120.20	
6 10 1965	2.02	112.90		9 1 1969	2.01	112.14	
17 11 1965	2.65	206.33		16 1 1969	1.99	109.90	
1 12 1965	1.80	88.17		10 2 1969	2.01	112.14	
9 12 1965	1.86	94.55					
27 3 1966	1.78	85.56		8 11 1969	1.88	96.27	
26 6 1966	2.05	117.09		22 11 1969	1.88	96.62	
				2 12 1969	2.27	146.22	
1 12 1966	2.19	135.14		19 2 1970	2.11	125.33	
9 12 1966	2.52	185.35		21 2 1970	2.00	111.02	
12 12 1966	2.01	111.77		16 8 1970	2.74	223.57	
14 7 1967	1.79	86.54		10 9 1970	1.83	91.50	
				17 9 1970	1.94	103.68	

308002

BOYLE AT TINNECARRA HOUSE

GRID REF	IG768019	AREA	499. SQ. KM	OPW	GRADE	A1	
PERIOD OF RECORD	1 12 1952 TO	1 10 1970		THRESHOLD	10.25	CUMECs	
SIGNIFICANT GAPS	17 1 1953 TO	15 2 1953	17 9 1955 TO	6 7 1956	8 10 1956 TO	19 11 1956	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
24 12 1952	1.96	23.14		1 11 1959	1.88	20.58	
6 9 1953	1.53	11.24		30 12 1959	2.46	43.52	
				4 2 1960	2.29	35.60	
17 11 1953	2.05	26.22		3 3 1960	1.69	15.06	
7 12 1953	1.86	19.73		23 3 1960	1.52	10.91	
28 12 1953	1.58	12.21		17 4 1960	1.82	18.72	
29 1 1954	1.98	23.76		23 9 1960	1.77	17.22	
26 2 1954	2.16	30.10					
7 4 1954	1.91	21.44		10 12 1960	2.07	26.77	
17 9 1954	1.85	19.45		8 1 1961	2.15	29.87	
				7 2 1961	2.20	32.04	
28 10 1954	2.62	51.56		5 3 1961	1.65	14.05	
3 12 1954	2.40	40.49		8 5 1961	1.56	11.93	
22 1 1955	2.04	25.89		19 7 1961	1.62	13.22	
9 2 1955	1.80	18.00					
3 3 1955	1.99	23.86		31 10 1961	2.01	24.71	
12 5 1955	1.77	17.13		14 12 1961	2.37	39.24	
9 6 1955	1.88	20.48		20 1 1962	2.25	33.92	
				17 2 1962	1.81	18.27	
1 10 1956	1.69	15.06		13 4 1962	1.82	18.54	
5 1 1957	2.56	48.06		16 9 1962	1.80	18.00	
5 2 1957	2.43	42.06					
28 2 1957	1.81	18.45		5 10 1962	1.70	15.38	
27 3 1957	1.94	22.33		11 11 1962	1.83	18.99	
28 9 1957	1.79	17.65		17 12 1962	2.09	27.67	
				20 2 1963	1.53	11.04	
4 11 1957	2.00	24.39		21 3 1963	1.82	18.72	
14 1 1958	1.98	23.55		14 5 1963	1.61	12.92	
30 1 1958	2.03	25.45					
17 2 1958	2.10	27.89		29 11 1963	2.37	39.24	
17 8 1958	1.76	16.96		9 1 1964	1.58	12.28	
				28 3 1964	1.76	16.96	
16 10 1958	1.82	18.72		15 5 1964	1.60	12.71	
6 1 1959	2.12	28.81		3 9 1964	1.58	12.21	
24 1 1959	2.01	24.60					
19 3 1959	1.56	11.79		19 10 1964	2.31	36.52	
30 4 1959	1.49	10.39		17 12 1964	2.17	30.70	
				21 1 1965	2.76	59.34	

308002

BOYLE AT TINNECARRA HOUSE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
28 3 1965	1.58	12.28		21 7 1967	1.54	11.44	
20 4 1965	1.52	10.91					
29 9 1965	1.70	17.83		5 11 1967	2.17	30.82	
				19 1 1968	2.46	43.52	
13 12 1965	2.44	42.21		30 3 1968	1.51	10.65	
13 1 1966	1.88	20.58					
24 2 1966	2.06	26.44		6 11 1968	2.80	61.47	
26 4 1966	1.78	17.30		28 12 1968	2.25	33.92	
27 8 1966	1.50	10.58		23 1 1969	2.40	40.64	
				15 2 1969	2.04	25.67	
22 10 1966	1.52	10.91					
18 12 1966	2.32	36.92		25 12 1969	2.30	36.12	
5 2 1967	1.73	16.12		24 2 1970	2.33	37.19	
15 3 1967	1.98	23.55		26 4 1970	1.67	14.51	
6 4 1967	1.49	10.26		23 9 1970	1.68	14.75	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
1955-1956

308003

LUNG AT BANADA

GRID REF	IM633944	AREA	208.0 SQ.KM	OPW	GRADE B		
PERIOD OF RECORD	1 10 1955 TO	30 9 1970		THRESHOLD	15.00 CUMECs		
SIGNIFICANT GAPS	12 9 1956 TO	3 12 1956	12 12 1958 TO	15 12 1958	16 11 1959 TO	23 11 1959	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 1 1956	1.21	10.63		23 9 1965	1.30	15.56	
28 12 1956	1.73	15.81		7 10 1965	1.57	20.62	
31 12 1956	1.77	16.22		1 11 1965	1.36	16.63	
1 1 1957	1.98	18.39		18 11 1965	2.06	30.52	
22 1 1957	1.77	16.19		25 11 1965	1.71	23.22	
23 3 1957	1.70	15.53		2 12 1965	1.73	23.58	
				9 12 1965	1.84	25.79	
25 1 1958	2.01	18.67		2 3 1966	1.50	19.18	
				11 8 1966	1.46	18.56	
21 12 1958	1.57	14.20		21 8 1966	1.75	24.00	
				4 9 1966	1.29	15.51	
15 11 1959	1.85	17.06					
20 12 1959	1.71	15.59		9 10 1966	1.28	15.35	
24 12 1959	1.73	15.75		1 12 1966	1.58	20.73	
27 12 1959	1.70	15.53		10 12 1966	1.80	25.11	
29 12 1959	1.70	15.53		24 12 1966	1.46	18.56	
3 2 1960	1.67	15.22		28 2 1967	1.37	16.79	
				11 3 1967	1.28	15.19	
16 9 1961	1.53	13.80		22 5 1967	1.32	15.93	
4 12 1961	1.98	18.39		1 10 1967	1.40	17.34	
11 12 1961	1.85	17.00		9 10 1967	1.79	24.92	
16 1 1962	1.92	17.76		1 11 1967	1.70	22.98	
11 9 1962	2.02	18.77		9 1 1968	2.12	31.84	
				12 1 1968	1.70	23.10	
5 11 1962	1.49	19.01		16 1 1968	1.64	21.91	
9 12 1962	1.56	20.27		21 9 1968	1.29	15.45	
12 12 1962	1.31	15.88					
15 12 1962	1.31	15.88		11 10 1968	1.29	15.51	
				19 10 1968	1.49	19.13	
31 10 1963	1.63	21.67		3 11 1968	2.89	49.81	
21 11 1963	1.62	21.55		10 11 1968	1.67	22.44	
24 11 1963	1.87	26.41		14 12 1968	1.73	23.58	
26 8 1964	1.42	17.73		22 12 1968	1.40	17.34	
				25 12 1968	1.79	24.92	
7 10 1964	1.60	21.14		10 1 1969	1.57	20.62	
10 10 1964	1.67	22.38		13 1 1969	1.65	22.14	
16 10 1964	1.99	28.96		16 1 1969	1.55	20.15	
9 12 1964	1.58	20.79		12 2 1969	1.56	20.39	
13 12 1964	1.56	20.27					
9 1 1965	2.29	35.56		21 12 1969	1.89	26.92	
13 1 1965	1.90	27.04		14 3 1970	2.16	32.64	
18 1 1965	2.04	30.12		16 8 1970	1.46	18.56	
17 9 1965	1.70	22.98					

309001

ATHBOY AT TRIMBLESTOWN BRIDGE

GRID REF IN756576 AREA 150. SQ.KM
PERIOD OF RECORD 15 9 1953 TO 30 9 1970

OPW THRESHOLD 7.70 CUMECS GRADE A1

SIGNIFICANT GAPS

17 11 1954 TO 24 11 1954 29 1 1955 TO 2 2 1955 3 7 1958 TO 8 8 1958
18 8 1958 TO 20 10 1958 4 1 1959 TO 30 1 1959

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
3 12 1953	1.82	8.52		10 12 1961	1.85	8.74	
12 2 1954	1.75	7.84		26 9 1962	1.99	10.08	
				30 9 1962	1.94	9.61	
15 10 1954	1.80	9.13					
18 10 1954	1.88	9.07		14 12 1962	1.85	8.79	
29 10 1954	2.06	10.73					
1 11 1954	2.25	12.67		10 11 1963	1.79	8.24	
10 11 1954	1.70	8.24		24 11 1963	1.80	9.13	
27 11 1954	2.24	12.54		24 3 1964	1.78	8.16	
2 12 1954	2.13	11.45					
7 12 1954	3.06	22.06		10 10 1964	2.18	11.95	
14 12 1954	2.08	10.91		8 12 1964	2.25	12.64	
15 1 1955	1.94	9.61		13 12 1964	2.37	13.89	
21 1 1955	2.01	10.28		16 12 1964	1.97	9.84	
1 3 1955	2.04	10.52		29 12 1964	2.00	10.19	
7 6 1955	1.76	7.97		10 1 1965	2.54	15.81	
6 9 1956	1.75	7.84		19 11 1965	2.49	15.19	
				25 11 1965	2.69	17.56	
14 1 1957	1.85	8.79		13 12 1965	2.31	13.31	
23 1 1957	1.98	9.93		17 12 1965	2.07	10.82	
12 3 1957	1.82	8.52		19 1 1966	1.94	9.58	
2 4 1957	1.86	8.85		9 2 1966	1.87	8.93	
				16 2 1966	2.11	11.27	
9 11 1957	2.15	11.67		22 2 1966	2.37	13.89	
25 1 1958	1.98	9.93		10 4 1966	1.92	9.36	
2 2 1958	1.88	9.04		16 4 1966	2.27	12.92	
23 2 1958	1.96	9.76		22 4 1966	2.07	10.82	
9 6 1958	2.22	12.35					
30 6 1958	2.16	11.73		23 11 1966	1.84	8.65	
14 8 1958	1.98	9.93		12 12 1966	2.31	13.31	
				23 12 1966	1.76	7.92	
29 4 1959	1.58	6.44		11 1 1967	1.76	7.97	
				24 2 1967	1.94	9.58	
11 12 1959	1.99	10.08		28 2 1967	2.32	13.44	
29 12 1959	2.04	10.58		25 5 1967	1.99	10.05	
3 1 1960	1.81	8.38					
21 1 1960	1.98	9.93		17 10 1967	1.90	9.21	
30 1 1960	2.21	12.20		2 11 1967	2.43	14.62	
14 9 1960	2.15	11.67		9 1 1968	2.65	17.03	
				17 1 1968	2.32	13.37	
2 10 1960	2.15	11.67					
3 11 1960	1.76	7.97		3 10 1968	2.16	11.76	
20 11 1960	2.04	10.52		17 12 1968	2.17	11.88	
26 11 1960	1.85	8.79		25 12 1968	2.69	17.49	
4 12 1960	2.21	12.29		22 1 1969	2.44	14.69	
21 1 1961	2.32	13.37					
6 2 1961	2.08	10.94		29 1 1970	2.12	11.36	
9 2 1961	1.92	9.36		23 4 1970	1.85	8.79	

309002

DEEL AT KILLYON BRIDGE

GRID REF IN690494 AREA 285. SQ.KM
PERIOD OF RECORD 7 8 1953 TO 30 9 1970

OPW THRESHOLD 9.50 CUMECS GRADE A1

SIGNIFICANT GAPS

30 12 1957 TO 6 1 1958 18 1 1960 TO 25 1 1960 18 11 1968 TO 25 11 1968
10 12 1969 TO 22 12 1969

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
				7 2 1955	1.06	9.90	
4 12 1953	1.12	11.05		1 3 1955	1.17	12.17	
19 10 1954	1.06	9.84		22 1 1956	1.09	10.44	
2 11 1954	1.51	19.61		25 1 1956	1.16	11.86	
11 11 1954	1.06	9.90		7 9 1956	1.12	11.05	
10 12 1954	1.89	29.40					
22 1 1955	1.10	12.43		27 1 1957	1.14	11.42	

309002 DEEL AT KILLYON BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 4 1957	1.15	11.73		24 11 1963	1.37	16.35	
31 10 1957	1.49	10.10		20 3 1964	1.21	12.87	
5 11 1957	1.05	9.72		24 3 1964	1.12	11.11	
26 1 1958	1.29	14.58		11 10 1964	1.33	15.46	
11 2 1958	1.28	14.31		14 12 1964	1.68	23.89	
15 2 1958	1.16	11.92		31 12 1964	1.16	11.86	
25 2 1958	1.24	13.46		28 1 1965	1.63	22.52	
26 6 1958	1.10	10.68		20 11 1965	2.21	38.48	
28 8 1958	1.05	9.66		27 11 1965	1.87	28.82	
20 12 1958	1.07	10.02		15 12 1965	1.50	19.39	
27 12 1958	1.09	11.44		24 12 1965	1.24	13.65	
22 1 1959	1.10	10.68		30 12 1965	1.17	12.05	
28 12 1959	1.62	22.20		30 1 1966	1.27	14.25	
5 1 1960	1.15	11.73		9 2 1966	1.33	15.46	
31 1 1960	1.47	18.82		21 2 1966	1.40	17.18	
19 3 1960	1.13	11.30		2 3 1966	1.19	12.43	
3 10 1960	1.15	11.61		2 4 1966	1.06	9.84	
8 10 1960	1.10	10.62		10 4 1966	1.11	10.80	
3 11 1960	1.12	10.90		16 4 1966	1.23	13.39	
6 12 1960	1.51	19.76		24 4 1966	1.36	16.21	
12 12 1960	1.16	11.70		2 12 1966	1.14	11.42	
26 12 1960	1.07	10.02		13 12 1966	1.52	19.83	
21 1 1961	1.51	19.76		24 12 1966	1.17	12.17	
30 1 1961	1.19	12.49		19 1 1967	1.19	12.49	
9 2 1961	1.07	10.08		28 2 1967	1.57	21.09	
11 12 1961	1.23	13.26		11 3 1967	1.13	11.17	
17 1 1962	1.11	10.93		25 5 1967	1.22	13.07	
13 2 1962	1.10	10.62		17 10 1967	1.27	14.18	
10 3 1962	1.06	9.78		3 11 1967	1.63	22.74	
1 10 1962	1.10	12.40		23 12 1967	1.16	11.86	
5 11 1962	1.11	10.93		10 1 1968	1.66	23.35	
11 12 1962	1.31	14.98		24 3 1968	1.33	15.52	
15 12 1962	1.21	12.87		3 11 1968	1.50	19.54	
20 12 1962	1.15	11.73		26 12 1968	1.82	27.45	
16 3 1963	1.18	12.36		22 1 1969	1.60	21.91	
3 11 1963	1.17	11.98		22 2 1970	1.44	18.10	
				23 4 1970	1.14	11.36	

309003 ENFIELD BLACKWATER AT CASTLERICKARD BR

GRID REF IN717489 AREA 179.0 SQ.KM OPW THRESHOLD 7.90 GRADE B CUMECs
 PERIOD OF RECORD 7 8 1953 TO 30 9 1970
 SIGNIFICANT GAPS 1 10 1955 TO 30 9 1957 2 2 1966 TO 7 2 1966 14 2 1966 TO 21 2 1966
 13 1 1969 TO 21 1 1969

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 12 1953	1.27	10.02		4 10 1958	1.59	14.53	
26 10 1954	1.10	9.05		13 10 1958	1.14	8.47	
31 10 1954	1.63	15.33		27 12 1950	1.39	11.58	
8 11 1954	1.21	9.34		22 1 1960	1.21	9.31	
23 11 1954	1.37	11.26		30 1 1960	1.33	10.75	
28 11 1954	1.27	10.02		14 9 1960	1.40	11.75	
9 12 1954	1.91	22.45		3 10 1960	1.38	11.38	
1 3 1955	1.27	9.98		9 10 1960	1.20	9.12	
30 10 1957	1.35	10.99		2 11 1960	1.13	8.36	
27 1 1958	1.11	8.15		26 11 1960	1.38	11.38	
16 2 1958	1.18	8.98		6 12 1960	1.47	12.64	
25 2 1958	1.18	8.98		21 1 1961	1.44	12.27	
26 6 1958	1.58	14.31		6 2 1961	1.28	10.10	
15 7 1958	1.14	8.50		28 9 1962	1.22	9.46	
20 8 1958	1.28	10.17		9 12 1962	1.34	10.87	
25 8 1958	1.32	10.67					
4 9 1958	1.37	11.34					
24 9 1958	1.35	11.03					

309003

ENFIELD BLACKWATER AT CASTLERICKARD BR

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 11 1963	1.15	8.58		2 4 1966	1.43	9.37	
18 11 1963	1.14	8.50		16 4 1966	1.51	10.41	
21 11 1963	1.18	8.98		23 4 1966	1.55	10.97	
11 10 1964	1.38	8.78		10 6 1966	1.35	8.35	
14 12 1964	1.68	12.98		14 6 1966	1.39	8.82	
31 12 1964	1.35	8.35		13 12 1966	1.33	8.13	
20 1 1965	1.60	11.68		28 2 1967	1.48	10.03	
20 11 1965	1.95	17.56		2 11 1967	1.39	8.89	
25 11 1965	1.84	15.62		9 1 1968	1.46	9.78	
13 12 1965	1.61	11.86		16 1 1968	1.34	8.16	
1 1 1966	1.31	7.90		18 12 1968	1.63	12.18	
29 1 1966	1.34	8.20		22 1 1969	1.38	8.74	
9 2 1966	1.44	9.45					
22 2 1966	1.52	10.62					

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
1955-1956 1956-1957

309004

KELLS BLACKWATER AT STRAHATT BRIDGE

GRID REF IN630832 AREA 256.6 SQ. KM
PERIOD OF RECORD 15 10 1956 TO 30 9 1970

OPW THRESHOLD 7.17 CUMECs GRADE B

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 1 1957	1.69	10.57		3 10 1962	1.67	19.25	
28 1 1957	1.53	16.31		21 12 1962	1.38	13.60	
4 2 1957	1.40	13.93		12 2 1963	1.04	8.05	
26 2 1957	1.32	12.52		20 3 1963	1.40	13.82	
4 4 1957	1.09	8.80		25 11 1963	1.76	21.18	
27 10 1957	1.10	8.89		25 3 1964	1.38	13.49	
1 11 1957	1.55	16.73		13 10 1964	1.78	21.66	
24 12 1957	1.14	9.53		14 11 1964	1.57	17.22	
12 1 1958	1.34	12.73		21 1 1965	1.82	22.49	
29 1 1958	1.41	14.10		28 3 1965	1.14	9.44	
26 2 1958	1.41	13.99		17 4 1965	1.06	8.27	
12 6 1958	1.31	12.20		11 5 1965	0.98	7.17	
29 6 1958	1.21	10.68		21 11 1965	1.79	21.79	
16 8 1958	1.42	14.16		6 1 1966	1.30	12.15	
10 9 1958	1.26	11.43		23 2 1966	1.55	16.67	
16 10 1958	1.31	12.20		25 4 1966	1.54	16.61	
4 1 1959	1.33	12.68		21 10 1966	1.38	13.43	
24 1 1959	1.23	10.87		15 12 1966	1.75	20.97	
31 10 1959	1.08	8.62		29 1 1967	1.19	10.29	
2 12 1959	1.70	19.77		1 3 1967	1.23	10.97	
3 2 1960	1.60	17.78		28 5 1967	1.28	11.78	
6 3 1960	1.15	9.72		19 10 1967	1.52	16.13	
21 3 1960	0.98	7.17		5 11 1967	1.47	15.18	
13 4 1960	1.03	7.92		16 1 1968	1.75	21.04	
19 9 1960	1.10	8.89		27 3 1968	1.10	8.84	
6 10 1960	1.46	15.01		4 11 1968	1.50	15.71	
7 12 1960	1.62	18.09		25 11 1968	1.22	10.83	
3 1 1961	1.19	10.24		27 12 1968	1.55	16.67	
8 2 1961	1.57	17.16		23 1 1969	1.67	19.12	
28 4 1961	1.20	10.48		7 2 1969	1.17	10.05	
11 10 1961	0.99	7.38		24 12 1969	1.39	13.76	
27 10 1961	1.08	8.66		5 2 1970	1.18	10.14	
13 12 1961	1.60	17.84		22 2 1970	1.58	17.41	
15 2 1962	1.24	11.07		25 4 1970	1.25	11.22	
11 4 1962	1.08	8.57		20 8 1970	1.00	7.50	
15 9 1962	1.35	13.05					

309005

BOYNE AT TRIM TOWN BRIDGE

GRID REF IN801569 AREA 1282. SQ. KM OPW THRESHOLD 43.60 GRADE A1
 PERIOD OF RECORD 15 11 1952 TO 30 9 1970
 SIGNIFICANT GAPS 12 12 1953 TO 5 1 1954 1 10 1954 TO 30 9 1955 30 12 1957 TO 3 1 1958
 1 11 1968 TO 2 12 1968 3 2 1969 TO 10 2 1969

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 12 1953	1.37	57.56		11 12 1961	1.38	58.02	
13 2 1954	1.34	55.30		17 1 1962	1.20	45.53	
26 2 1954	1.20	45.13		13 2 1962	1.20	45.33	
4 3 1954	1.26	49.45					
				1 10 1962	1.49	66.57	
9 12 1954	2.49	174.29		6 11 1962	1.17	43.74	
				11 12 1962	1.46	64.13	
14 12 1955	1.18	44.33		16 12 1962	1.25	49.03	
22 1 1956	1.27	49.87		20 12 1962	1.17	43.74	
27 1 1956	1.35	55.53		18 3 1963	1.21	46.34	
19 8 1956	1.35	56.20					
7 9 1956	1.55	71.33		3 11 1963	1.24	47.78	
				24 11 1963	1.46	64.61	
31 12 1956	1.40	50.40		29 11 1963	1.22	46.96	
27 1 1957	1.57	73.65		20 3 1964	1.51	68.05	
21 3 1957	1.32	53.97					
2 4 1957	1.32	53.75		11 10 1964	1.60	76.26	
				13 12 1964	1.87	101.09	
31 10 1957	1.69	83.85		31 12 1964	1.35	55.98	
5 11 1957	1.24	47.99		20 1 1965	1.82	95.95	
11 1 1958	1.28	50.93					
26 1 1958	1.53	69.55		20 11 1965	2.43	166.23	
12 2 1958	1.46	64.37		27 11 1965	2.07	122.05	
25 2 1958	1.43	62.21		14 12 1965	1.68	82.75	
8 6 1958	1.19	44.73		23 12 1965	1.31	53.31	
26 6 1958	1.55	71.58		30 12 1965	1.26	49.45	
2 8 1958	1.18	43.94		30 1 1966	1.40	59.86	
21 8 1958	1.29	51.58		9 2 1966	1.44	62.45	
28 8 1958	1.31	53.31		21 2 1966	1.60	75.74	
4 9 1958	1.23	47.37		2 3 1966	1.27	50.08	
				3 4 1966	1.27	50.08	
5 10 1958	1.33	54.64		11 4 1966	1.23	47.37	
20 12 1958	1.21	45.94		24 4 1966	1.61	77.06	
7 1 1959	1.28	50.51					
22 1 1959	1.28	51.93		13 12 1966	1.65	80.01	
				24 12 1966	1.19	44.73	
15 11 1959	1.19	44.73		19 1 1967	1.21	46.34	
29 12 1959	1.73	87.51		1 3 1967	1.70	84.97	
5 1 1960	1.32	53.75					
23 1 1960	1.53	69.55		17 10 1967	1.31	53.31	
31 1 1960	1.65	89.01		3 11 1967	1.72	86.37	
19 3 1960	1.21	45.94		23 12 1967	1.70	45.33	
16 9 1960	1.71	85.53		10 1 1968	1.79	93.58	
				25 3 1968	1.29	51.58	
3 10 1960	1.60	75.47					
11 10 1960	1.37	57.56		24 10 1968	1.37	57.10	
3 11 1960	1.41	60.56		26 12 1968	2.06	121.71	
6 12 1960	1.81	94.76		22 1 1969	1.82	96.55	
28 12 1960	1.27	50.29					
22 1 1961	1.84	97.75		23 2 1970	1.58	73.90	
6 2 1961	1.63	78.93		23 4 1970	1.24	48.40	

309006

MOYNALTY AT FVANSTOWN BRIDGE

GRID REF IN790757 AREA 179. SQ. KM OPW THRESHOLD 12.60 GRADE A1
 PERIOD OF RECORD 5 11 1956 TO 30 9 1970
 SIGNIFICANT GAPS 19 3 1963 TO 21 3 1963 12 8 1970 TO 17 8 1970

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 12 1956	1.81	13.15		24 2 1958	1.87	13.85	
30 12 1956	2.09	16.32		8 6 1958	2.06	15.96	
23 1 1957	2.12	16.75		26 6 1958	2.07	16.18	
				13 8 1958	1.76	12.68	
30 10 1957	2.17	17.30					
26 1 1958	2.09	16.36		4 10 1958	1.78	12.88	
10 2 1958	1.77	12.75		6 1 1959	1.81	13.15	

309006

MOYNALTY AT FVANSTOWN BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
15 11 1959	1.77	12.75		19 11 1965	2.49	21.34	
9 12 1959	2.31	19.04		25 11 1965	2.20	17.73	
27 12 1959	1.80	13.08		2 12 1965	1.87	13.85	
29 12 1959	1.85	13.61		9 12 1965	2.04	15.82	
30 1 1960	2.08	16.21		13 12 1965	1.88	14.02	
14 9 1960	1.79	12.95		29 1 1966	1.90	14.19	
				9 2 1966	1.85	13.68	
3 10 1960	2.34	19.34		16 2 1966	1.77	12.75	
2 11 1960	1.82	13.28		21 2 1966	2.06	16.04	
5 12 1960	1.94	14.67		10 4 1966	1.80	13.11	
7 2 1961	1.79	12.95		16 4 1966	1.98	15.12	
28 4 1961	1.80	13.08		24 4 1966	1.89	14.12	
24 10 1961	1.87	13.88		18 10 1966	1.85	13.68	
30 11 1961	1.99	15.16		1 12 1966	1.82	13.28	
11 12 1961	2.15	17.08		10 12 1966	2.17	17.33	
15 1 1962	2.00	15.37		15 12 1966	2.18	17.41	
14 2 1962	1.76	12.65					
15 9 1962	1.81	13.15		17 10 1967	1.95	14.70	
26 9 1962	2.12	16.75		2 11 1967	2.09	16.39	
30 9 1962	2.20	17.66		10 1 1968	2.56	22.17	
				17 1 1968	1.95	14.70	
9 12 1962	1.80	13.95		23 3 1968	1.09	15.19	
15 12 1962	1.81	13.18					
				3 11 1968	2.29	18.81	
24 11 1963	1.98	15.12		17 12 1968	2.11	16.64	
20 3 1964	2.10	16.50		25 12 1968	2.24	18.10	
				12 1 1969	1.99	15.16	
11 10 1964	2.35	19.57		17 1 1969	1.89	14.05	
9 12 1964	2.03	15.68		22 1 1969	2.15	17.04	
12 12 1964	2.09	14.36					
10 1 1965	2.26	13.40		20 12 1969	1.81	13.18	
20 1 1965	2.20	17.62		19 2 1970	1.92	14.43	
				8 8 1970	1.99	15.16	
				17 8 1970	1.87	13.85	

309007

BOYNE AT BOYNE AQUEDUCT

GRID REF IN692451 AREA 432. SQ.KM OPW GRADE A1
 PERIOD OF RECORD 5 8 1953 TO 30 9 1970 THRESHOLD 16.30 CUMEDS
 SIGNIFICANT GAPS
 2 2 1956 TO 5 2 1956 19 12 1965 TO 26 12 1965

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 12 1953	2.74	22.76		28 10 1957	3.10	33.13	
13 2 1954	2.42	17.17		12 1 1958	2.39	16.68	
				26 1 1958	2.63	20.04	
18 10 1954	2.66	20.90		12 2 1958	2.92	27.56	
2 11 1954	3.30	39.67		14 2 1958	2.53	18.67	
11 11 1954	2.70	21.86		25 2 1958	2.63	20.04	
23 11 1954	3.04	31.23		26 6 1958	2.40	16.89	
10 12 1954	3.64	52.80		21 8 1958	2.54	18.75	
15 12 1954	2.92	27.65					
11 1 1955	2.40	16.89		5 10 1958	2.48	17.92	
16 1 1955	2.45	17.50		20 12 1958	2.42	17.09	
22 1 1955	2.60	19.57		28 12 1958	2.51	18.29	
29 1 1955	2.65	20.68		7 1 1959	2.37	16.48	
8 2 1955	2.59	19.39					
2 3 1955	2.74	22.76		9 12 1959	2.46	17.71	
				28 12 1959	3.13	33.91	
22 1 1956	2.43	17.30		5 1 1960	2.43	17.30	
27 1 1956	2.59	19.52		23 1 1960	2.76	23.38	
3 3 1956	2.83	25.13		31 1 1960	2.89	26.79	
19 8 1956	2.46	17.67		16 9 1960	3.15	34.60	
6 9 1956	2.65	20.54					
				3 10 1960	2.60	19.61	
31 12 1956	2.65	20.54		10 10 1960	2.91	27.22	
24 1 1957	2.80	24.53		3 11 1960	2.55	18.84	
4 2 1957	2.39	16.77		27 11 1960	2.85	25.79	
15 2 1957	2.49	18.12		5 12 1960	3.02	30.59	
21 3 1957	2.70	21.71		28 12 1960	2.44	17.42	
1 4 1957	2.51	18.33		22 1 1961	3.11	33.32	
				7 2 1961	2.80	24.33	
				13 4 1961	2.39	16.68	

309007

BOYNE AT ROYNE AQUEDUCT

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 10 1962	3.04	31.05		24 4 1966	2.78	23.85	
6 11 1962	2.40	16.81		13 12 1966	2.82	24.97	
10 12 1962	2.77	23.54		25 2 1967	2.73	22.46	
24 11 1963	2.56	18.97		1 3 1967	3.19	35.90	
11 10 1964	2.68	21.26		18 10 1967	2.39	16.77	
14 12 1964	3.21	36.62		3 11 1967	3.07	31.98	
31 12 1964	2.54	18.71		6 1 1968	2.40	16.89	
21 1 1965	3.13	34.11		10 1 1968	3.13	34.11	
19 11 1965	4.08	73.58		17 1 1968	2.97	28.96	
27 11 1965	3.50	47.08		24 3 1968	2.42	17.09	
14 12 1965	3.03	30.77		3 11 1968	3.09	32.65	
30 12 1965	2.48	17.96		24 11 1968	2.43	17.25	
30 1 1966	2.68	21.26		13 12 1968	2.74	22.69	
9 2 1966	2.71	22.00		26 12 1968	3.55	49.02	
20 2 1966	2.69	21.63		13 1 1969	2.74	22.76	
30 2 1966	2.37	16.48		22 1 1969	3.19	35.90	
3 4 1966	2.49	18.12		22 2 1970	2.77	23.54	
16 4 1966	2.57	19.18		25 4 1970	2.39	16.68	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
1961-1962

30900A

STONYFORD AT EARL'S BRIDGE

GRID REF IN693560 AREA 134.0 SQ. KM OPW GRADE A1
 PERIOD OF RECORD 7 8 1953 TO 2 10 1970 THRESHOLD 7.16 CUMECs
 SIGNIFICANT GAPS
 17 1 1961 TO 21 1 1961

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
3 12 1953	1.29	0.60		4 12 1960	1.54	12.70	
28 10 1954	1.19	8.44		6 12 1960	1.26	9.24	
31 10 1954	1.44	11.39		21 1 1961	1.59	13.33	
22 11 1954	1.34	10.14		29 1 1961	1.09	7.37	
24 11 1954	1.09	7.37		5 2 1961	1.26	9.21	
27 11 1954	1.31	9.77		10 12 1961	1.12	7.63	
30 11 1954	1.21	8.65		26 9 1962	1.19	8.41	
2 12 1954	1.37	10.50		29 9 1962	1.18	8.37	
9 12 1954	2.04	19.50		15 12 1962	1.09	7.37	
16 12 1954	1.25	9.13		18 11 1963	1.07	7.17	
1 3 1955	1.18	8.34		21 11 1963	1.15	8.03	
6 9 1956	1.05	6.91		23 11 1963	1.07	7.17	
23 1 1957	1.08	7.24		10 10 1964	1.34	10.14	
29 10 1957	1.47	11.74		3 12 1964	1.42	11.17	
25 1 1958	1.32	9.95		12 12 1964	1.49	12.08	
10 2 1958	1.14	7.83		16 12 1964	1.11	7.60	
13 8 1958	1.12	7.70		10 1 1965	1.34	10.14	
4 10 1958	1.06	7.04		13 1 1965	1.41	11.06	
14 11 1959	1.21	8.68		17 1 1965	1.44	11.39	
8 12 1959	1.24	9.03		20 1 1965	1.49	12.04	
20 12 1959	1.21	8.65		23 1 1965	1.19	8.41	
23 12 1959	1.19	8.44		18 11 1965	1.96	18.44	
25 12 1959	1.28	9.42		25 11 1965	1.79	15.98	
29 12 1959	1.26	9.24		26 11 1965	1.38	10.68	
21 1 1960	1.22	8.79		9 12 1965	1.21	8.65	
22 1 1960	1.15	8.03		13 12 1965	1.42	11.13	
30 1 1960	1.43	11.28		15 12 1965	1.15	8.00	
18 3 1960	1.12	7.70		19 12 1965	1.22	8.79	
2 10 1960	1.27	9.38		20 1 1966	1.20	8.54	
2 11 1960	1.23	8.86		8 2 1966	1.10	7.43	
21 11 1960	1.11	7.60		15 2 1966	1.28	9.52	
26 11 1960	1.18	8.34		22 2 1966	1.25	9.10	
30 11 1960	1.22	8.82		16 4 1966	1.21	8.68	
				22 4 1966	1.21	8.65	
				23 4 1966	1.23	8.86	

309008

STONYFORD AT EARL'S BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 12 1966	1.12	7.66		23 3 1968	1.14	7.83	
12 12 1966	1.47	11.74		1 11 1968	1.32	9.99	
14 12 1966	1.24	0.06		23 11 1968	1.12	7.70	
24 2 1967	1.11	7.53		17 12 1968	1.21	8.65	
27 2 1967	1.36	10.46		25 12 1968	1.82	16.41	
16 10 1967	1.11	7.53		12 1 1969	1.27	9.38	
1 11 1967	1.60	13.49		17 1 1969	1.08	7.27	
8 1 1968	1.67	14.37		20 1 1969	1.47	11.74	
13 1 1968	1.23	3.80		20 2 1970	1.16	8.10	
16 1 1968	1.42	11.21					
18 1 1968	1.14	7.93					

309009

BOYNE AT NAVAN DUBLIN ROAD

GRID REF IN877669 AREA 1610,SQ,KM
 PERIOD OF RECORD 8 8 1954 TO 30 9 1970

OPW THRESHOLD 62.86 GRADE B CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
19 10 1954	1.60	67.66		28 9 1962	1.80	101.53	
29 10 1954	1.91	126.66		11 12 1962	1.74	89.26	
1 11 1954	2.03	158.73		15 12 1962	1.59	66.41	
10 11 1954	1.74	90.43		5 1 1963	1.55	63.21	
27 11 1954	1.95	136.76		3 11 1963	1.55	62.97	
8 12 1954	2.79	525.24		24 11 1963	1.69	80.26	
16 1 1955	1.62	68.92		19 3 1964	1.55	63.21	
22 1 1955	1.64	72.44		11 10 1964	1.98	144.93	
29 1 1955	1.60	67.66		13 12 1964	2.11	185.17	
1 3 1955	1.78	97.10		30 12 1964	1.70	82.44	
7 6 1955	1.65	73.45		20 1 1965	2.11	183.18	
22 1 1956	1.56	63.94		20 11 1965	2.56	376.60	
27 1 1956	1.61	63.41		25 11 1965	2.42	306.41	
7 9 1956	1.83	108.10		13 12 1965	1.98	144.93	
31 12 1956	1.66	74.47		1 1 1966	1.57	65.17	
27 1 1957	1.68	78.12		30 1 1966	1.66	74.47	
20 3 1957	1.57	65.17		9 2 1966	1.70	83.00	
1 4 1957	1.57	65.17		22 2 1966	1.99	148.29	
30 10 1957	1.93	131.25		3 3 1966	1.56	63.70	
26 1 1958	1.66	74.47		2 4 1966	1.58	65.67	
11 2 1958	1.72	85.24		11 4 1966	1.60	66.91	
25 2 1958	1.70	82.44		16 4 1966	1.84	110.13	
10 6 1958	1.77	95.86		24 4 1966	1.87	117.11	
26 6 1958	1.86	114.98		20 10 1966	1.68	78.12	
14 8 1958	1.56	63.70		13 12 1966	1.99	146.60	
5 10 1958	1.64	71.44		28 2 1967	2.00	150.00	
8 12 1959	1.72	86.37		17 10 1967	1.68	78.12	
29 12 1959	1.91	126.66		2 11 1967	2.07	172.52	
5 1 1960	1.62	68.67		9 1 1968	2.13	190.21	
22 1 1960	1.75	92.22		16 1 1968	1.94	135.17	
30 1 1960	1.87	117.11		24 3 1968	1.60	67.66	
14 9 1960	1.94	135.17		2 11 1968	1.94	135.17	
3 10 1960	2.00	150.85		24 11 1968	1.67	77.59	
9 10 1960	1.56	64.43		18 12 1968	2.04	162.33	
3 11 1960	1.65	73.45		25 12 1968	2.35	277.17	
26 11 1960	1.84	109.45		13 1 1969	1.88	120.72	
4 12 1960	1.99	147.45		22 1 1969	2.08	175.38	
21 1 1961	2.00	150.00		23 2 1969	1.64	71.94	
6 2 1961	1.76	94.03		21 12 1969	1.52	60.57	
10 12 1961	1.65	73.96					

309010

KELLS BLACKWATER AT LISCARTON

GRID REF IN846689

AREA 717. SQ.KM

OPW

GRADE A1

PERIOD OF RECORD 1 10 1953 TO 30 9 1970

THRESHOLD 29.50 CUMECS

SIGNIFICANT GAPS

27 11 1955 TO 18 12 1955

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 12 1953	1.67	38.31		11 12 1961	1.72	40.40	
13 2 1954	1.49	31.47		1 10 1962	1.86	46.23	
18 8 1954	1.47	30.68		15 12 1962	1.54	33.43	
16 9 1954	1.70	39.41		24 11 1963	1.91	48.32	
29 10 1954	2.01	52.71		20 3 1964	1.53	32.97	
10 11 1954	1.58	34.84		24 3 1964	1.48	30.90	
9 12 1954	2.81	129.69		19 7 1964	1.56	34.01	
14 12 1954	2.19	64.92		11 10 1964	2.13	60.47	
16 1 1955	1.64	37.22		13 12 1964	1.97	51.10	
23 1 1955	1.78	42.78		30 12 1964	1.53	33.08	
7 2 1955	1.63	36.86		20 1 1965	2.25	69.83	
1 3 1955	1.59	35.19		20 11 1965	2.16	62.67	
22 1 1956	1.47	30.68		24 11 1965	2.24	68.78	
26 1 1956	1.50	31.93		13 12 1965	1.99	51.77	
31 12 1956	1.90	48.05		23 12 1965	1.67	38.56	
24 1 1957	1.76	42.02		29 12 1965	1.49	31.24	
1 4 1957	1.45	30.00		9 2 1966	1.67	38.43	
30 10 1957	1.99	51.91		22 2 1966	2.07	55.74	
5 11 1957	1.61	35.90		2 3 1966	1.59	35.07	
11 1 1958	1.48	31.13		16 4 1966	1.88	47.14	
26 1 1958	1.78	43.03		23 4 1966	1.89	47.40	
11 2 1958	1.58	34.84		19 10 1966	1.63	36.98	
25 2 1958	1.75	41.52		16 12 1966	1.99	51.64	
8 6 1958	1.64	37.22		24 12 1966	1.56	34.25	
26 6 1958	1.80	43.66		28 2 1967	1.57	34.37	
14 8 1958	1.83	44.81		24 5 1967	1.46	30.22	
28 8 1958	1.65	37.46		17 10 1967	1.80	43.79	
4 9 1958	1.63	36.98		2 11 1967	1.91	48.45	
5 10 1958	1.67	38.43		9 1 1968	2.20	65.43	
13 10 1958	1.53	32.85		16 1 1968	2.07	55.51	
7 1 1959	1.62	36.26		24 3 1968	1.57	34.37	
22 1 1959	1.49	31.47		2 11 1968	1.79	43.41	
9 12 1959	2.03	53.66		11 11 1968	1.44	29.55	
27 12 1959	1.92	48.58		23 11 1968	1.52	32.62	
22 1 1960	1.55	33.66		26 12 1968	2.10	57.61	
31 1 1960	1.88	47.01		22 1 1969	2.11	58.79	
14 9 1960	1.74	41.15		27 1 1969	1.61	36.02	
3 10 1960	2.03	53.80		27 12 1969	1.56	34.25	
3 11 1960	1.64	37.34		21 2 1970	1.92	48.58	
11 11 1960	1.50	31.70		30 4 1970	1.49	31.58	
5 12 1960	1.95	50.03		17 8 1970	1.69	30.05	
21 1 1961	1.91	48.32					
7 2 1961	1.82	44.43					
26 4 1961	1.47	30.68					

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
1955-1956

309011

KELLS BLACKWATER AT O'DALY'S BRIDGE

GRID REF IN652802

AREA 294. SQ.KM

OPW

GRADE A1

PERIOD OF RECORD 1 10 1958 TO 12 10 1970

THRESHOLD 6.10 CUMECS

SIGNIFICANT GAPS

7 11 1960 TO 16 11 1960

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
8 10 1958	0.79	10.37		29 12 1959	1.03	18.19	
7 1 1959	0.78	9.93		3 2 1960	0.99	16.85	
23 1 1959	0.72	8.32		7 3 1960	0.74	8.73	
27 10 1959	0.71	8.00		20 3 1960	0.64	6.32	
25 11 1959	0.85	11.93		14 4 1960	0.66	6.76	
11 12 1959	1.06	19.22		21 9 1960	0.70	7.76	

304011

KELLS BLACKWATER AT O'DALY'S BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
6 10 1960	0.89	13.39		13 12 1965	1.00	17.07	
6 11 1960	0.81	11.00		20 12 1965	0.91	14.00	
5 12 1960	0.99	16.63		22 2 1966	0.92	14.30	
3 1 1961	0.74	8.73		25 4 1966	0.92	14.51	
8 2 1961	0.98	16.41		27 5 1966	0.65	6.54	
27 4 1961	0.75	9.07		18 6 1966	0.67	7.06	
10 10 1961	0.73	8.65		21 10 1966	0.82	11.28	
27 10 1961	0.76	9.32		15 12 1966	1.11	21.24	
13 12 1961	1.00	17.29		? 2 1967	0.75	9.07	
15 2 1962	0.74	8.73		2 3 1967	0.79	10.37	
11 4 1962	0.70	7.84		28 5 1967	0.93	14.82	
14 9 1962	0.84	11.75		10 10 1967	0.83	11.56	
2 10 1962	1.03	13.08		4 11 1967	0.80	10.64	
21 12 1962	0.81	10.73		11 1 1968	0.98	16.30	
20 3 1963	0.78	9.93		28 3 1968	0.67	6.91	
25 11 1963	1.14	22.59		5 11 1968	0.93	14.82	
25 4 1964	0.79	10.19		25 11 1968	0.82	11.09	
12 10 1964	1.09	20.52		25 12 1968	0.97	16.09	
16 12 1964	0.92	14.20		23 1 1969	1.02	17.74	
20 1 1965	1.16	23.22		16 5 1969	0.64	6.32	
28 3 1965	0.67	7.06		23 2 1970	1.00	17.07	
17 4 1965	0.65	6.47		22 4 1970	0.81	10.91	
10 5 1965	0.65	6.54					
29 9 1965	0.67	7.06					

309809

BOYNE AT SLANE

GRID REF	IN945738	AREA	2486. SQ. KM	ESR	THRESHOLD	GRADE	B
PERIOD OF RECORD	1 10 1940 TO	30 9 1970		79.30	CUMECs		
SIGNIFICANT GAPS							
16 3 1942 TO	21 3 1942	11 10 1944 TO	14 10 1944	31 5 1947 TO	7 6 1947		
21 10 1950 TO	28 10 1950	25 11 1950 TO	2 12 1950	22 3 1952 TO	29 3 1952		
13 12 1952 TO	20 12 1952	7 1 1961 TO	21 2 1961	20 4 1968 TO	27 4 1968		
24 2 1969 TO	8 3 1969						

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
12 11 1940	1.72	149.20		26 4 1947	1.31	80.20	
15 12 1940	1.69	143.26		10 5 1947	1.30	79.35	
27 1 1941	1.64	134.61		29 7 1947	1.40	93.49	
9 2 1941	1.71	147.40		23 11 1947	1.45	101.05	
17 2 1941	1.83	172.35		6 12 1947	2.13	242.84	
3 4 1941	1.53	115.07		4 1 1948	2.11	238.91	
24 1 1942	1.66	137.46		18 1 1948	1.70	145.03	
8 3 1942	1.43	98.17		9 2 1948	1.46	103.48	
7 4 1942	1.40	93.49		3 4 1948	1.43	98.17	
30 9 1942	1.31	80.20		11 10 1948	1.37	88.93	
12 1 1943	1.61	129.01		8 12 1948	1.79	164.63	
1 2 1943	1.63	131.79		4 1 1949	1.64	134.61	
7 2 1943	1.38	90.29		15 3 1949	1.32	82.34	
14 1 1944	1.46	103.97		25 10 1949	1.79	164.63	
21 10 1944	1.63	131.79		19 12 1949	1.52	113.00	
2 12 1944	1.96	201.62		11 2 1950	1.56	120.86	
19 12 1944	1.69	143.26		11 1 1951	1.69	143.26	
7 2 1945	1.55	118.21		10 2 1951	1.46	102.99	
13 2 1945	1.55	118.21		24 3 1951	1.49	107.93	
9 2 1946	2.19	258.90		20 3 1951	1.40	93.49	
7 9 1946	1.48	105.94		10 11 1951	1.41	95.82	
21 9 1946	1.85	177.60		24 11 1951	1.30	79.35	
3 10 1946	1.36	88.04		10 12 1951	1.46	103.97	
14 12 1946	1.60	127.91		27 12 1951	1.79	164.00	
18 1 1947	1.49	107.93		11 1 1952	1.70	145.62	
17 3 1947	2.22	267.98		23 1 1952	1.38	91.19	
30 3 1947	1.64	134.05		31 1 1952	1.64	135.18	
6 4 1947	1.38	91.19		5 11 1952	1.38	90.74	

309809

BOYNE AT SLANE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
23 12 1952	1.31	81.48		26 12 1960	1.34	84.50	
15 11 1953	1.30	79.35		11 12 1961	1.48	106.93	
4 12 1953	1.73	151.01		16 1 1962	1.31	80.20	
13 2 1954	1.47	104.46		1 10 1962	1.61	129.01	
23 2 1954	1.33	83.20		11 12 1962	1.46	102.99	
4 3 1954	1.35	86.70		15 12 1962	1.41	94.88	
1 11 1954	1.92	101.11		21 12 1962	1.35	86.70	
10 11 1954	1.49	107.93		6 1 1963	1.32	82.34	
8 12 1954	2.92	497.96		18 3 1963	1.33	83.20	
16 1 1955	1.40	107.93		24 11 1963	1.60	126.26	
22 1 1955	1.55	118.21		20 3 1964	1.38	91.19	
29 1 1955	1.49	107.93		24 3 1964	1.32	82.34	
1 3 1955	1.64	134.61		11 10 1964	1.73	152.22	
8 6 1955	1.37	88.93		13 12 1964	1.88	184.29	
22 1 1956	1.31	80.20		30 12 1964	1.47	105.44	
28 1 1956	1.40	93.49		20 1 1965	1.96	201.62	
7 4 1956	1.53	114.55		20 11 1965	2.27	279.79	
31 12 1956	1.70	146.21		26 11 1965	2.19	258.90	
27 1 1957	1.61	129.01		13 12 1965	1.84	174.30	
4 2 1957	1.35	86.26		24 12 1965	1.47	105.44	
20 3 1957	1.73	152.22		29 12 1965	1.41	95.82	
1 4 1957	1.40	93.49		11 1 1966	1.31	81.05	
30 10 1957	1.85	177.60		30 1 1966	1.43	98.17	
5 11 1957	1.44	99.60		9 2 1966	1.52	112.49	
11 1 1958	1.37	88.93		22 2 1966	1.88	184.29	
26 1 1958	1.58	123.54		7 3 1966	1.42	97.23	
11 2 1958	1.53	114.55		11 4 1966	1.39	92.11	
25 2 1958	1.55	118.21		16 4 1966	1.68	141.51	
10 6 1958	1.55	118.21		23 4 1966	1.72	149.20	
26 6 1958	1.57	122.47		10 10 1966	1.37	89.83	
14 8 1958	1.38	91.65		13 12 1966	1.73	152.22	
20 8 1958	1.40	93.49		25 12 1966	1.31	80.20	
28 8 1958	1.35	86.70		28 2 1967	1.72	149.20	
4 9 1958	1.35	86.70		17 10 1967	1.46	103.97	
5 10 1958	1.41	95.82		2 11 1967	1.85	176.28	
20 12 1958	1.32	82.77		9 1 1968	1.98	205.19	
7 1 1959	1.40	93.95		16 1 1968	1.79	164.00	
22 1 1959	1.35	86.70		24 3 1968	1.46	102.50	
8 12 1959	1.67	140.35		2 11 1968	1.64	134.61	
29 12 1959	1.78	161.48		24 11 1968	1.41	94.88	
5 1 1960	1.49	107.93		18 12 1968	1.79	164.63	
23 1 1960	1.60	126.26		25 12 1968	2.14	245.21	
30 1 1960	1.78	161.48		22 1 1969	1.95	198.08	
15 9 1960	1.64	134.61		23 2 1969	1.37	88.93	
3 10 1960	1.81	167.82		21 2 1970	1.67	140.35	
9 10 1960	1.37	88.93		23 4 1970	1.37	88.93	
3 11 1960	1.49	107.93					
4 12 1960	1.82	171.05					

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
1960-1961

311001

SILVER AT HILLBROOK BRIDGE

GRID REF IN136187 AREA 165. SQ.KM
PERIOD OF RECORD 1 10 1951 TO 30 9 1970

OPW THRESHOLD 14.70 GRADE A1
CUMEDCS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
24 12 1951	2.04	27.13		22 11 1954	1.80	16.23	
6 1 1952	1.70	14.74		27 11 1954	1.80	16.23	
18 9 1953	1.43	10.85		8 12 1954	2.16	22.10	
3 12 1953	1.83	16.71		6 2 1955	1.84	16.86	
25 1 1954	1.74	15.25		6 9 1956	1.76	15.62	
21 10 1954	1.74	15.34		25 12 1956	1.71	14.83	
				27 12 1956	1.81	16.28	

311001

SILVER AT MILLBROOK BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 12 1956	2.03	19.87		8 12 1962	1.84	16.86	
31 12 1956	1.85	17.05		10 2 1963	1.71	14.83	
23 1 1957	1.98	19.02					
14 2 1957	1.98	19.02		30 10 1963	1.86	17.10	
23 2 1957	1.75	15.30		10 11 1963	1.76	15.57	
19 3 1957	1.74	15.20		21 11 1963	1.74	15.29	
25 1 1958	1.85	17.05		8 12 1964	2.09	20.95	
28 1 1958	1.85	16.95		12 12 1964	2.29	24.35	
10 2 1958	2.25	23.70		13 1 1965	2.05	20.28	
15 2 1958	1.95	18.62		16 1 1965	1.85	16.95	
24 2 1958	1.76	15.62					
20 8 1958	2.20	22.79		17 11 1965	2.16	22.05	
24 8 1958	1.83	16.66		25 11 1965	1.92	18.12	
27 8 1958	2.05	20.28		9 12 1965	1.88	17.53	
3 9 1958	1.95	18.62		12 12 1965	1.74	15.29	
				17 12 1965	1.85	16.90	
19 12 1958	1.97	18.92		20 1 1966	1.81	16.38	
19 12 1958	1.99	19.22		2 2 1966	1.70	14.74	
				1 4 1966	1.82	16.57	
13 11 1959	1.75	15.30		13 6 1966	1.87	17.34	
27 12 1959	2.28	24.24					
29 12 1959	2.19	22.68		3 10 1966	2.10	21.00	
21 1 1960	1.75	15.30		6 10 1966	1.99	19.17	
2 2 1960	1.75	15.30		24 2 1967	1.71	14.83	
15 5 1960	1.77	15.67		27 2 1967	2.13	21.52	
10 7 1960	1.91	17.92		15 8 1967	1.72	14.92	
26 8 1960	1.86	17.19					
14 9 1960	2.17	22.36		16 10 1967	1.98	19.02	
17 9 1960	1.71	14.83		30 10 1967	1.78	15.86	
19 9 1960	1.79	16.00		1 11 1967	1.74	15.20	
				7 11 1967	1.75	15.39	
2 10 1960	1.85	16.95		22 12 1967	1.71	14.83	
2 11 1960	2.16	22.10		8 1 1968	2.02	19.77	
11 11 1960	2.05	20.28		16 1 1968	1.82	16.47	
24 11 1960	1.90	17.78		23 3 1968	1.81	16.33	
26 11 1960	1.74	15.25					
30 11 1960	2.03	19.87		2 11 1968	1.88	17.39	
3 12 1960	2.44	27.18		13 12 1968	2.13	21.57	
5 12 1960	2.10	21.16		24 12 1968	2.46	27.46	
5 1 1961	1.86	17.10		10 1 1969	1.92	18.17	
18 1 1961	2.31	24.79		12 1 1969	1.88	17.39	
6 2 1961	1.98	19.12		13 1 1969	1.95	18.62	
12 7 1961	1.88	17.53		20 1 1969	1.92	18.17	
28 9 1962	1.77	15.67		24 1 1970	1.74	15.29	
				21 2 1970	1.86	17.14	
5 11 1962	1.84	16.86		25 4 1970	2.30	24.57	

311003

CLODIAGH AT RAHAN BRIDGE

GRID REF	IN256256	AREA	274.0 SQ. KM	OPW	THRESHOLD	GRADE B	16.00 CUMECs
PERIOD OF RECORD	5 8 1951 TO	30 9 1970					
SIGNIFICANT GAPS	2 2 1956 TO	9 2 1956	15 12 1956 TO	24 4 1957	1 10 1957 TO	5 1 1958	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
20 12 1951	1.91	20.01		11 12 1954	1.91	20.15	
				13 12 1954	1.89	19.60	
23 12 1952	1.16	6.66		29 1 1956	1.65	14.60	
1 11 1953	1.96	21.34		29 9 1957	1.95	21.05	
3 12 1953	2.18	26.66					
25 1 1954	1.82	18.20		26 1 1958	2.28	19.59	
12 2 1954	1.77	17.10		23 1 1958	2.12	17.52	
25 2 1954	1.72	16.10		15 2 1958	2.20	18.54	
				17 2 1958	2.64	24.37	
22 11 1954	2.17	26.34		24 2 1958	2.16	18.01	
23 11 1954	1.74	16.41		10 8 1958	2.42	21.40	
26 11 1954	2.07	23.81		24 8 1958	2.26	19.28	
29 11 1954	2.00	22.12		27 8 1958	2.43	21.48	
1 12 1954	1.74	16.54		23 9 1958	2.01	16.21	
9 12 1954	2.40	32.57					

311003

CLODIAGH AT RAHAN BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
19 12 1958	2.03	16.50		13 1 1965	2.61	23.92	
27 12 1959	2.61	23.92		20 1 1965	2.24	19.12	
29 12 1959	2.50	22.49		23 1 1965	2.03	16.43	
21 1 1960	2.05	16.73		17 11 1965	2.59	23.59	
2 2 1960	2.03	16.50		28 11 1965	2.56	23.26	
17 7 1960	2.18	18.31		3 12 1965	2.38	20.88	
26 8 1960	2.04	16.58		9 12 1965	2.53	22.89	
14 9 1960	2.53	22.89		12 12 1965	2.46	21.96	
2 10 1960	2.22	18.85		14 12 1965	2.75	19.20	
8 10 1960	2.43	21.48		17 12 1965	2.49	22.24	
2 11 1960	2.41	21.24		30 1 1966	2.38	20.88	
3 11 1960	2.01	16.17		2 2 1966	2.02	16.36	
11 11 1960	2.17	18.16		15 2 1966	2.19	18.43	
24 11 1960	2.28	19.59		12 6 1966	2.38	20.84	
26 11 1960	2.24	19.12		3 10 1966	2.51	22.57	
1 12 1960	2.17	18.20		6 10 1966	2.66	24.54	
4 12 1960	2.74	25.75		24 2 1967	2.27	19.47	
6 12 1960	2.30	19.78		27 2 1967	2.62	24.04	
22 1 1961	2.32	20.09		18 8 1967	2.56	23.22	
27 1 1961	2.08	17.03		17 9 1967	2.08	17.03	
6 2 1961	2.13	17.67		6 10 1967	2.24	19.12	
12 7 1961	2.15	17.89		16 10 1967	2.65	24.45	
23 9 1962	2.20	18.62		1 11 1967	2.36	20.57	
5 11 1962	2.32	20.09		23 12 1967	2.05	16.73	
7 12 1962	2.36	20.57		8 1 1968	2.80	26.55	
21 4 1963	2.03	16.50		13 1 1968	2.75	19.20	
29 10 1963	2.41	21.24		16 1 1968	2.34	20.37	
10 11 1963	2.18	18.31		22 9 1968	2.10	17.29	
15 11 1963	2.08	17.03		19 10 1968	2.07	16.91	
18 11 1963	2.30	19.78		2 11 1968	2.45	21.72	
21 11 1963	2.27	19.43		13 12 1968	2.66	24.54	
19 3 1964	2.02	16.36		15 12 1968	2.00	16.10	
20 3 1964	2.15	17.89		24 12 1968	3.13	31.15	
6 10 1964	2.21	18.66		12 1 1969	2.50	22.41	
7 12 1964	2.08	17.03		17 1 1969	2.16	18.05	
8 12 1964	2.44	21.64		20 1 1969	2.76	26.00	
12 12 1964	2.74	25.75		21 2 1970	2.36	20.57	
16 12 1964	2.01	16.17		20 4 1970	2.27	19.43	

311006

BROSNA AT FERBANE BRIDGE

GRID REF IN115245 AREA 1210. SQ. KM OPW THRESHOLD 57.00 GRADE A1
 PERIOD OF RECORD 1 10 1953 TO 30 9 1970
 SIGNIFICANT GAPS 1 12 1958 TO 22 12 1958 23 4 1966 TO 25 4 1966

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
3 12 1953	2.94	73.49		25 1 1958	2.79	71.15	
26 10 1954	2.71	67.14		28 1 1958	2.67	65.52	
1 11 1954	2.61	62.33		10 2 1958	3.36	100.90	
22 11 1954	2.97	80.05		15 2 1958	2.83	72.97	
27 11 1954	2.84	73.57		24 2 1958	3.04	83.99	
30 11 1954	2.92	77.72		20 8 1958	3.17	90.76	
9 12 1954	3.74	123.15		25 8 1958	2.61	62.48	
14 12 1954	2.98	80.52		27 8 1958	2.99	81.30	
16 1 1955	2.51	57.79		23 9 1958	2.59	61.33	
21 1 1955	2.52	58.49		26 12 1958	2.75	69.21	
2 2 1955	2.64	63.78		2 1 1959	2.53	58.92	
4 2 1955	2.83	73.12		7 1 1959	2.79	71.15	
7 2 1955	2.92	77.72		28 12 1959	3.41	104.13	
26 1 1956	2.74	68.91		4 1 1960	2.63	63.49	
23 1 1957	3.21	92.89		21 1 1960	2.58	61.04	
14 2 1957	2.76	69.51		30 1 1960	2.77	70.40	
29 10 1957	3.24	94.21		14 9 1960	2.84	73.42	
				19 9 1960	2.53	58.78	

311006

BROSNA AT FERRANE BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
8 10 1960	3.14	82.30		25 11 1965	3.10	87.19	
2 11 1960	2.87	75.10		9 12 1965	3.04	83.99	
11 11 1960	2.72	67.37		13 12 1965	3.10	86.87	
26 11 1960	2.83	73.12		17 12 1965	3.00	81.62	
1 12 1960	2.86	74.64		23 12 1965	2.58	61.04	
4 12 1960	3.49	109.61		29 1 1966	2.67	65.38	
28 12 1960	2.73	68.32		15 2 1966	2.90	76.48	
19 1 1961	3.10	87.19					
21 1 1961	3.04	83.99		3 10 1966	2.56	60.19	
31 1 1961	2.77	70.40		6 10 1966	2.71	67.43	
6 2 1961	2.92	77.72		28 2 1967	3.53	110.70	
9 2 1961	2.68	65.67					
11 12 1961	2.49	57.09		17 10 1967	2.81	71.91	
				2 11 1967	3.01	82.09	
5 11 1962	2.65	64.21		8 1 1968	3.30	97.70	
8 12 1962	2.63	63.20		16 1 1968	3.10	87.19	
				23 3 1968	2.75	69.06	
30 10 1963	2.71	67.14					
12 11 1963	2.81	72.36		3 11 1968	3.00	81.62	
21 11 1963	2.90	74.63		22 11 1968	2.63	63.49	
23 11 1963	2.59	61.33		13 12 1968	2.98	80.52	
				25 12 1968	3.78	125.33	
8 12 1964	3.02	82.72		10 1 1969	2.73	68.32	
12 12 1964	3.47	107.23		13 1 1969	3.00	81.78	
16 12 1964	2.61	62.33		17 1 1969	2.71	67.43	
18 1 1965	3.20	92.07		27 1 1969	3.40	103.45	
23 1 1965	2.60	62.19					
18 11 1965	3.23	93.71		21 2 1970	2.76	69.81	
				25 4 1970	3.00	81.93	

313001

CAMLIN AT MULLAGH BRIDGE

GRID REF IN116759 AREA 262.0 SQ. KM
 PERIOD OF RECORD 1 10 1953 TO 30 9 1970
 SIGNIFICANT GAPS
 13 12 1965 TO 20 12 1965

OPW THRESHOLD 16.42 CUMECs GRADE A1

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
2 11 1953	2.46	20.35		9 12 1959	2.37	19.20	
15 11 1953	2.39	19.52		24 12 1959	2.37	19.17	
4 12 1953	2.54	21.44		22 1 1960	2.34	18.85	
14 2 1954	2.34	13.85		31 1 1960	2.50	20.95	
23 2 1954	2.53	21.27		29 8 1960	2.22	17.29	
16 9 1954	2.33	18.66					
19 10 1954	2.74	24.13		4 12 1960	2.50	20.91	
27 10 1954	2.67	23.16		26 12 1960	2.23	17.40	
1 11 1954	2.56	21.64		21 1 1961	2.64	22.75	
27 11 1954	2.40	19.64		6 2 1961	2.27	17.89	
3 12 1954	2.43	20.03		14 7 1961	2.41	19.72	
10 12 1954	3.03	23.26		16 9 1961	2.26	17.78	
16 1 1955	2.35	18.93		20 9 1961	2.21	17.17	
21 1 1955	2.33	18.70					
7 2 1955	2.20	17.02		1 12 1961	2.32	18.58	
				11 12 1961	2.45	20.19	
22 1 1956	2.31	18.43		13 9 1962	2.40	19.60	
26 1 1956	2.31	18.39		27 9 1962	2.22	17.32	
7 9 1956	2.60	22.25					
1 1 1957	2.55	21.56		1 10 1962	2.38	19.32	
23 1 1957	2.36	19.05		6 11 1962	2.52	21.23	
23 2 1957	2.17	16.65		9 12 1962	2.50	20.91	
18 9 1957	2.24	17.55					
1 11 1957	2.54	21.44		22 10 1963	2.27	17.97	
26 1 1958	2.32	18.62		31 10 1963	2.49	20.79	
2 8 1958	2.29	18.16		12 11 1963	2.25	17.70	
14 8 1958	2.28	18.05		25 11 1963	2.62	22.50	
				21 3 1964	2.56	21.72	
20 12 1958	2.25	17.70		24 3 1964	2.17	16.69	
29 12 1958	2.27	17.97					
2 1 1959	2.21	17.21		8 10 1964	2.73	24.05	
				11 1 1965	2.85	25.67	
				24 5 1965	2.25	17.74	
				5 8 1965	2.40	19.64	

313001

CAMLIN AT MULLAGH BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 11 1965	2.37	19.24		10 1 1968	2.80	24.94	
2 12 1965	2.22	17.32		24 3 1968	2.44	20.07	
16 4 1966	2.39	19.44		22 9 1968	2.41	19.72	
4 9 1966	2.35	18.93					
4 10 1966	2.25	17.70		20 10 1968	2.20	17.02	
6 10 1966	2.31	18.47		3 11 1968	3.13	29.84	
2 12 1966	2.35	18.89		23 11 1968	2.52	21.23	
10 12 1966	2.24	17.51		18 12 1968	2.74	18.85	
13 12 1966	2.34	18.85		25 12 1968	2.74	24.13	
28 2 1967	2.28	18.08		13 1 1969	2.63	22.67	
23 5 1967	2.27	17.80		22 1 1969	2.52	21.23	
18 8 1967	2.35	18.97					
10 10 1967	2.44	20.07		22 12 1969	2.58	21.97	
1 11 1967	2.20	17.06		22 2 1970	2.58	21.92	
				22 4 1970	2.37	19.20	

313002

CAMLIN AT ARGAR BRIDGE

GRID REF IN180794 AREA 126.0 SQ. KM OPU THRESHOLD 6.80 GRADE B
 PERIOD OF RECORD 1 10 1957 TO 30 9 1970
 SIGNIFICANT GAPS 12 8 1958 TO 15 9 1958 15 1 1961 TO 22 1 1961 5 12 1961 TO 11 12 1961
 26 11 1965 TO 29 11 1965 27 7 1968 TO 2 1 1969

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
31 10 1957	1.86	6.45		4 11 1962	1.70	8.39	
31 12 1957	1.50	7.09		8 12 1962	1.78	8.86	
26 1 1958	1.65	8.01					
13 2 1958	1.71	8.43		22 10 1963	1.65	8.01	
24 2 1958	1.47	6.86		30 10 1963	1.88	9.59	
9 6 1958	1.49	7.02		12 11 1963	1.75	8.72	
3 8 1958	1.59	7.62		24 11 1963	2.07	10.95	
23 9 1958	1.52	7.19		20 3 1964	1.90	9.70	
				22 3 1964	1.53	7.25	
6 10 1958	1.48	6.96					
12 10 1958	1.53	7.23		11 10 1964	2.20	11.84	
19 12 1958	1.60	7.70		13 12 1964	1.68	8.25	
29 12 1958	1.58	7.58		10 1 1965	2.46	13.82	
2 1 1959	1.64	7.99		17 1 1965	1.78	8.93	
8 12 1959	1.70	3.37		18 11 1965	2.87	17.09	
25 12 1959	1.70	3.35		25 11 1965	2.05	10.77	
22 1 1960	1.68	3.25		10 12 1965	1.65	8.01	
30 1 1960	1.80	6.03		16 4 1966	1.53	7.29	
31 8 1960	1.67	3.13		23 4 1966	1.67	8.13	
3 11 1960	1.46	6.84		30 11 1966	1.57	7.54	
10 11 1960	1.50	7.09		13 12 1966	1.74	8.64	
5 12 1960	1.94	10.00		22 5 1967	1.47	6.88	
26 12 1960	1.59	7.66					
26 1 1961	2.18	11.75		10 10 1967	1.82	9.19	
6 2 1961	1.71	8.41		17 10 1967	1.76	8.78	
13 7 1961	1.77	8.84		2 11 1967	1.63	7.91	
15 9 1961	1.53	7.29		8 1 1968	2.25	12.25	
28 9 1961	1.61	7.79		16 3 1968	1.58	7.56	
25 10 1961	1.47	6.86		21 1 1969	1.86	9.47	
13 12 1961	1.99	10.34					
17 1 1962	1.57	7.52		22 12 1969	1.83	9.22	
12 2 1962	1.51	7.13		21 2 1970	1.85	9.38	
12 9 1962	1.72	8.48		26 4 1970	1.56	7.46	
26 9 1962	1.48	6.92		17 8 1970	1.70	8.37	
29 9 1962	1.61	7.79					

313003

FALLON AT KILMORE BRIDGE

GRID REF IN074753 AREA 65.0 SQ.KM
 PERIOD OF RECORD 1 10 1957 TO 30 9 1970
 SIGNIFICANT GAPS
 9 12 1959 TO 14 12 1959

OPW THRESHOLD 4.35 GRADE A1
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 10 1957	1.14	5.63		20 3 1964	1.18	6.03	
1 11 1957	1.02	4.50		23 3 1964	1.03	4.55	
25 1 1958	1.08	5.07		8 12 1964	1.06	4.86	
10 2 1958	1.14	5.66		13 12 1964	1.21	6.34	
24 2 1958	1.08	5.01		16 12 1964	1.02	4.47	
19 12 1958	1.02	4.44		10 1 1965	1.03	4.61	
29 12 1958	1.04	4.66		13 1 1965	1.10	5.27	
24 11 1959	1.02	4.47		18 1 1965	1.18	6.06	
8 12 1959	1.10	5.18		20 1 1965	1.14	5.63	
23 12 1959	1.14	5.60		18 11 1965	1.82	13.78	
27 12 1959	1.08	5.07		25 11 1965	1.31	7.35	
29 12 1959	1.07	4.98		7 12 1965	1.01	4.41	
21 1 1960	1.08	5.04		17 12 1965	1.01	4.36	
30 1 1960	1.21	6.31		8 2 1966	1.01	4.39	
2 2 1960	1.17	5.30		15 2 1966	1.07	4.95	
26 11 1960	1.03	4.52		24 2 1966	1.02	4.47	
4 12 1960	1.14	5.60		1 3 1966	1.06	4.86	
18 1 1961	1.08	5.01		16 4 1966	1.28	7.02	
21 1 1961	1.26	6.36		22 4 1966	1.18	6.00	
16 9 1961	1.09	5.15		27 2 1967	1.05	4.78	
28 9 1961	1.09	5.15		22 5 1967	1.08	5.07	
24 10 1961	1.05	4.72		18 8 1967	1.01	4.36	
30 11 1961	1.28	7.02		17 10 1967	1.05	4.78	
5 12 1961	1.13	5.51		9 1 1968	1.38	8.13	
11 12 1961	1.24	6.66		23 3 1968	1.07	4.95	
13 12 1961	1.10	5.27		7 11 1968	1.45	8.98	
10 1 1962	1.01	4.36		22 11 1968	1.03	4.55	
15 3 1962	1.02	4.44		24 12 1968	1.31	7.35	
30 4 1962	1.06	4.81		13 1 1969	1.13	5.51	
5 11 1962	1.19	6.15		20 1 1969	1.08	5.01	
6 11 1962	1.18	6.06		10 2 1970	1.03	4.52	
30 10 1963	1.09	5.15		22 4 1970	1.06	4.89	
24 11 1963	1.17	5.97					

315001

AILEE AT CARTONBOWER BRIDGE

GRID REF IM135779 AREA 124. SQ.KM
 PERIOD OF RECORD 1 10 1952 TO 30 9 1970

OPW THRESHOLD 22.80 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
16 10 1952	2.34	24.90		31 12 1956	2.37	25.63	
21 10 1952	2.61	31.80		4 1 1957	2.35	25.12	
21 9 1953	2.52	29.45		20 1 1957	2.34	24.75	
24 1 1954	2.34	30.14		31 1 1957	2.70	34.16	
22 3 1954	2.52	29.45		23 2 1957	2.49	28.51	
29 3 1954	2.35	25.12		23 3 1957	2.39	26.15	
18 10 1954	2.59	31.31		26 10 1957	2.46	27.73	
27 10 1954	2.68	33.56		26 1 1958	2.82	37.68	
30 11 1954	2.65	32.71		11 2 1958	2.73	34.93	
2 12 1954	2.28	23.47		15 3 1958	2.40	26.22	
21 1 1955	2.55	30.17		30 9 1958	2.33	24.61	
26 1 1955	2.40	26.37		14 3 1959	2.23	22.30	
1 3 1955	2.83	37.96		10 10 1959	2.54	29.93	
5 6 1955	2.54	29.93		23 11 1959	2.33	24.61	
19 3 1956	2.30	23.97		8 12 1959	2.41	26.45	
26 3 1956	2.48	28.35		20 12 1959	2.34	24.90	
17 10 1956	2.28	23.47		24 12 1959	2.37	25.48	
25 12 1956	2.67	33.39		27 12 1959	2.34	24.90	
28 12 1956	2.57	30.65		29 12 1959	2.52	29.21	
				22 1 1960	2.65	32.71	

315001

AILLE AT CARTRONBOWER BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
31 1 1960	2.66	33.05		7 10 1964	2.48	28.28	
3 2 1960	2.69	33.82		8 12 1964	2.73	34.93	
18 3 1960	2.42	26.75		12 12 1964	2.65	32.71	
10 4 1960	2.29	23.61		13 1 1965	2.59	31.06	
				23 1 1965	2.76	25.41	
10 11 1960	2.62	32.05		17 9 1965	2.43	27.12	
18 1 1961	2.31	24.18					
27 1 1961	2.75	35.63		7 10 1965	2.44	27.35	
14 7 1961	2.57	30.65		31 10 1965	2.30	23.83	
16 9 1961	2.56	30.41		25 11 1965	2.43	26.97	
				29 1 1966	2.56	30.41	
24 10 1961	2.66	33.14		6 2 1966	2.30	23.83	
30 11 1961	2.34	24.75					
5 12 1961	2.60	31.55		10 12 1966	2.44	27.35	
11 12 1961	2.55	30.17		15 12 1966	2.43	27.12	
15 1 1962	2.80	37.05		27 2 1967	2.45	27.66	
15 3 1962	2.33	24.54		7 3 1967	2.52	29.45	
12 9 1962	2.49	28.50					
				1 11 1967	2.35	25.12	
9 12 1962	2.37	25.63					
5 3 1963	2.60	31.47		2 11 1968	2.94	38.41	
14 3 1963	2.49	29.66		10 11 1968	2.29	23.61	
18 3 1963	2.36	25.26		25 12 1968	2.52	29.45	
				12 1 1969	2.39	26.00	
11 11 1963	2.38	25.93					
18 11 1963	2.58	30.82		22 12 1969	2.37	25.63	
25 11 1963	2.34	24.90		21 1 1970	2.36	25.26	
2 1 1964	2.64	32.55		22 2 1970	2.28	23.47	
25 2 1964	2.32	24.32		14 8 1970	2.55	30.01	
13 6 1964	2.61	31.72		10 9 1970	2.36	25.26	

319002

ERNE AT SALLAGHAN BRIDGE

GRID REF IN327931 AREA 263. SQ. KM OPW THRESHOLD 4.25 GRADE A2
 PERIOD OF RECORD 1 10 1956 TO 1 10 1970 CUMECS
 SIGNIFICANT GAPS
 1 10 1956 TO 16 10 1956 30 10 1956 TO 22 11 1956

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 1 1957	1.96	14.81		9 4 1962	1.36	6.86	
28 1 1957	2.07	16.30		12 9 1962	1.44	7.62	
24 2 1957	1.61	10.13					
2 4 1957	1.51	8.96		2 10 1962	1.62	9.59	
23 9 1957	1.14	4.95		6 11 1962	1.43	7.59	
				20 12 1962	1.72	10.72	
2 11 1957	1.64	10.51		6 1 1963	1.35	6.71	
29 1 1958	1.65	10.58		15 2 1963	1.13	4.74	
31 3 1958	1.08	4.44		18 3 1963	1.38	7.07	
27 6 1958	1.16	5.18		22 4 1963	1.09	4.40	
28 8 1958	1.67	10.89					
				25 11 1963	2.14	15.89	
15 11 1958	1.21	5.63		29 3 1964	1.56	8.86	
3 1 1959	1.62	10.21		13 5 1964	1.40	7.22	
15 3 1959	1.11	4.75					
27 4 1959	1.08	4.41		11 10 1964	2.05	14.63	
				17 12 1964	1.85	12.26	
28 10 1959	1.14	4.98		21 1 1965	2.30	18.02	
29 12 1959	2.03	15.73		28 3 1965	1.28	6.12	
3 2 1960	1.91	14.09		18 4 1965	1.24	5.75	
3 3 1960	1.44	3.15		9 5 1965	1.24	5.72	
20 3 1960	1.35	7.07		6 8 1965	1.35	6.71	
13 4 1960	1.28	6.43					
4 9 1960	1.30	6.59		8 10 1965	1.35	6.74	
				13 12 1965	2.26	17.39	
3 10 1960	1.37	7.30		21 2 1966	1.77	11.25	
4 12 1960	1.92	14.13		24 4 1966	1.72	10.72	
6 2 1961	1.88	12.63		25 5 1966	1.24	5.75	
26 2 1961	1.37	6.98		28 6 1966	1.27	5.98	
26 4 1961	1.24	5.72					
				20 10 1966	1.40	7.28	
26 10 1961	1.34	6.68		16 12 1966	1.94	13.26	
13 12 1961	1.88	12.55		28 1 1967	1.39	7.16	
17 1 1962	1.56	8.86		10 3 1967	1.49	8.15	

319002 ERNE AT SALLAGHAN BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
2 4 1967	1.15	4.93		26 12 1968	1.83	12.00	
26 5 1967	1.41	7.31		23 1 1969	1.97	13.64	
				12 2 1969	1.57	9.06	
3 11 1967	1.84	12.08					
17 1 1968	2.13	15.73		24 12 1969	1.51	8.41	
24 3 1968	1.17	5.06		23 2 1970	1.90	12.77	
				22 4 1970	1.37	6.95	
3 11 1968	1.91	12.80		18 8 1970	1.24	5.67	

319005 FINN AT ANLORE BRIDGE

GRID REF IH540255 AREA 155.0 SQ. KM
 PERIOD OF RECORD 1 10 1957 TO 1 10 1970

OPW THRESHOLD 18.00 GRADE B CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 1 1958	1.51	19.86		5 8 1965	1.52	19.99	
26 1 1958	1.63	22.18					
20 12 1958	1.50	19.56		1 11 1965	1.65	22.67	
21 12 1959	1.59	21.32		18 11 1965	1.92	28.30	
31 1 1960	1.67	23.04		4 12 1965	1.89	27.65	
26 8 1960	1.54	20.47		10 12 1965	1.69	23.36	
				13 12 1965	1.50	19.68	
3 10 1960	1.67	22.92		5 2 1966	1.67	22.92	
1 12 1960	1.50	19.68		20 2 1966	1.48	19.26	
5 12 1960	1.53	20.29		24 2 1966	1.45	18.61	
21 1 1961	1.67	23.04		2 3 1966	1.47	19.02	
6 2 1961	1.55	20.59		24 4 1966	1.65	22.55	
30 11 1961	1.50	19.68		2 12 1966	1.75	24.73	
5 12 1961	1.53	20.29		10 12 1966	1.81	25.87	
11 12 1961	1.78	25.23		30 12 1966	1.45	18.61	
16 1 1962	1.47	19.08		25 5 1967	1.59	21.32	
13 2 1962	1.44	18.49					
12 9 1962	1.70	23.67		1 11 1967	1.56	20.71	
				9 1 1968	1.84	26.44	
1 10 1962	1.50	19.62		14 1 1968	1.65	22.61	
11 12 1962	1.73	24.29		17 1 1968	1.62	22.06	
16 12 1962	1.58	21.20					
17 3 1963	1.81	25.93		20 10 1968	1.63	22.18	
				2 11 1968	1.90	27.85	
13 11 1963	1.68	23.23		27 11 1968	1.49	19.38	
18 11 1963	1.43	18.19		9 1 1969	1.56	20.71	
21 11 1963	1.48	19.26		11 1 1969	1.43	18.25	
24 11 1963	1.70	23.60		17 1 1969	1.52	19.99	
24 3 1964	1.61	21.75		21 1 1969	1.59	21.44	
				7 5 1969	1.59	21.32	
11 10 1964	1.90	27.78					
9 12 1964	1.49	19.38		23 11 1969	1.79	25.53	
13 12 1964	1.52	19.99		22 12 1969	1.79	25.42	
10 1 1965	1.75	24.73		2 2 1970	1.45	18.67	
18 1 1965	1.87	27.14		9 2 1970	1.69	23.36	
24 1 1965	1.53	20.11		20 2 1970	1.99	29.66	
				17 8 1970	1.94	28.62	

319006 ANNALEE AT RATHKENNY BRIDGE

GRID REF IH538116 AREA 525.0 SQ. KM
 PERIOD OF RECORD 1 10 1956 TO 1 10 1970

OPW THRESHOLD 25.50 GRADE B CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
31 12 1956	1.70	50.41		26 6 1958	1.19	30.04	
27 1 1957	1.46	44.81		21 8 1958	1.46	44.46	
				8 9 1958	1.35	38.63	
30 10 1957	1.16	28.70					
12 12 1957	1.13	27.08		5 10 1958	1.59	52.47	
10 1 1958	1.13	27.08		13 10 1958	1.35	38.63	
25 1 1958	1.21	31.26		20 12 1958	1.50	46.77	
24 2 1958	1.14	27.37		29 12 1958	1.13	26.94	
8 6 1958	1.33	37.14		21 1 1959	1.17	28.85	

319006

ANNALEE AT RATHKENNY BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
15 11 1959	1.10	25.51		18 11 1965	2.12	88.79	
24 11 1959	1.10	25.51		25 11 1965	1.66	56.67	
9 12 1959	1.44	43.41		13 12 1965	1.71	60.00	
20 12 1959	1.17	20.14		23 12 1965	1.38	39.80	
2 2 1960	1.37	30.30		5 1 1966	1.33	37.30	
24 8 1960	1.42	43.02		25 2 1966	1.47	44.99	
				23 4 1966	1.65	55.90	
3 10 1960	1.59	52.28		25 5 1966	1.24	32.81	
3 11 1960	1.12	26.65		14 6 1966	1.32	34.81	
5 12 1960	1.44	43.41		27 6 1966	1.24	32.81	
29 1 1961	1.17	20.20					
6 2 1961	1.46	44.64		10 10 1966	1.20	35.03	
26 4 1961	1.51	47.40		2 12 1966	1.15	27.96	
				13 12 1966	1.57	50.98	
5 12 1961	1.10	25.93		27 2 1967	1.11	26.07	
11 12 1961	1.46	44.46					
12 9 1962	1.20	30.50		2 11 1967	1.35	38.63	
30 9 1962	1.38	40.14		0 1 1968	1.81	66.27	
				4 2 1968	1.17	29.14	
16 12 1962	1.25	33.13		24 3 1968	1.26	33.44	
17 3 1963	1.22	31.72		4 5 1968	1.24	32.50	
22 10 1963	1.11	26.36		2 11 1968	1.45	43.93	
23 11 1963	1.77	63.61		21 1 1969	1.41	41.68	
19 3 1964	1.64	55.32		27 1 1969	1.10	25.79	
10 5 1964	1.18	29.44		14 5 1969	1.22	31.72	
7 10 1964	1.27	34.07		22 12 1969	1.43	42.71	
10 10 1964	1.78	64.42		2 2 1970	1.10	25.51	
9 12 1964	1.15	20.25		21 2 1970	1.41	41.83	
13 12 1964	1.36	38.80		18 8 1970	1.38	39.80	
20 1 1965	1.61	53.42					

319009

ERNE AT BELTUBBET PUMP HOUSE

GRID REF IH361170 APEA 1502. SQ. KM OPW THRESHOLD 29.50 GRADE A1
 PERIOD OF RECORD 1 10 1958 TO 1 10 1970 CUMECs
 SIGNIFICANT GAPS
 6 11 1964 TO 14 12 1964 20 12 1965 TO 27 12 1965

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
14 10 1958	1.79	55.99		28 11 1963	2.29	100.22	
4 1 1959	1.88	63.06		26 3 1964	1.88	63.06	
24 1 1959	1.75	52.85		13 5 1964	1.38	30.17	
17 3 1959	1.41	31.20					
				15 10 1964	2.23	94.56	
30 10 1959	1.53	38.54		22 1 1965	2.43	116.27	
30 12 1959	2.19	89.99		28 3 1965	1.65	46.08	
5 2 1960	2.17	88.70		18 4 1965	1.38	30.01	
5 3 1960	1.74	51.97		0 8 1965	1.40	30.81	
22 3 1960	1.58	41.35					
14 4 1960	1.55	30.28		10 10 1965	1.44	32.94	
4 9 1960	1.71	50.25		15 12 1965	2.30	101.18	
				26 2 1966	2.00	72.48	
7 10 1960	1.80	56.67		26 4 1966	2.02	74.61	
7 12 1960	2.09	83.96		27 5 1966	1.39	30.33	
9 2 1961	2.09	80.67		20 6 1966	1.47	34.63	
26 2 1961	1.51	37.09					
28 4 1961	1.66	46.69		22 10 1966	1.87	62.09	
				17 12 1966	2.26	97.05	
12 10 1961	1.53	38.54		30 1 1967	1.69	48.34	
28 10 1961	1.66	46.28		11 3 1967	1.81	56.90	
15 12 1961	2.14	85.55		28 5 1967	1.75	52.63	
19 1 1962	1.82	58.20					
11 4 1962	1.68	43.14		21 10 1967	1.06	69.60	
14 9 1962	1.76	53.51		10 1 1968	2.26	97.37	
				27 3 1968	1.48	35.33	
4 10 1962	1.95	68.06					
8 11 1962	1.54	30.09		5 11 1968	2.05	77.06	
21 12 1962	1.97	70.38		25 11 1968	1.79	55.76	
17 2 1963	1.58	41.16		28 12 1968	1.90	64.29	
20 3 1963	1.85	60.65		24 1 1969	2.17	88.20	
				27 2 1969	1.46	34.46	

319009

ERNE AT BELTURBET PUMP HOUSE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
16 5 1969	1.48	35.15		24 4 1970	1.67	47.10	
				9 5 1970	1.47	34.63	
25 12 1969	1.95	68.06		22 8 1970	1.49	35.85	
24 2 1970	2.11	82.95					

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
1964-1965

319010

ANNALEE AT BUTLER'S BRIDGE

GRID REF	IN409106	AREA	777. SQ.KM	UPW	GRADE	B	
PERIOD OF RECORD	1 10 1955 TO	1 10 1970		THRESHOLD	39.10	CUMECs	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 1 1956	1.49	47.15		22 10 1963	1.62	45.26	
31 12 1956	2.02	67.31		12 11 1963	2.01	61.62	
24 1 1957	1.86	55.23		25 11 1963	2.13	66.71	
				20 3 1964	1.84	54.20	
30 10 1957	1.63	45.50					
12 12 1957	1.67	47.20		11 10 1964	2.44	80.97	
10 1 1958	1.61	44.89		13 12 1964	1.89	56.51	
25 1 1958	1.78	51.92		20 1 1965	2.12	66.31	
11 2 1958	1.63	45.74		5 8 1965	1.58	43.69	
25 2 1958	1.62	45.38					
3 6 1958	1.67	47.45		18 11 1965	2.45	81.69	
8 6 1958	1.68	47.82		25 11 1965	1.85	54.59	
26 6 1958	1.64	46.11		10 12 1965	1.91	57.03	
13 8 1958	1.53	41.56		23 12 1965	1.52	41.20	
21 8 1958	1.64	46.11		5 1 1966	1.49	40.38	
				9 2 1966	1.63	45.74	
5 10 1958	1.72	49.17		25 2 1966	1.66	46.71	
20 12 1958	1.85	54.84		9 4 1966	1.60	44.29	
29 12 1958	1.47	39.34		24 4 1966	1.79	52.17	
21 1 1959	1.63	45.74					
				19 10 1966	1.90	56.64	
24 11 1959	1.63	45.86		2 12 1966	1.84	54.20	
9 12 1959	1.99	60.56		10 12 1966	2.10	65.36	
21 12 1959	1.77	51.42		24 12 1966	1.53	41.91	
23 1 1960	1.52	41.32		28 2 1967	1.67	47.08	
3 2 1960	1.94	58.33		24 5 1967	1.61	44.89	
26 8 1960	1.80	52.55					
				10 10 1967	1.71	49.05	
3 10 1960	1.99	60.69		2 11 1967	1.65	46.47	
5 12 1960	1.82	53.31		9 1 1968	2.11	66.04	
26 12 1960	1.48	39.68					
21 1 1961	1.88	56.13		2 11 1968	1.96	59.38	
7 2 1961	1.77	51.17		22 11 1968	1.47	39.57	
26 4 1961	1.51	40.85		25 12 1968	1.68	47.57	
				22 1 1969	1.87	55.61	
24 10 1961	1.58	43.81		27 1 1969	1.52	41.32	
30 11 1961	1.60	44.41					
11 12 1961	1.99	60.43		22 12 1969	1.94	58.59	
16 1 1962	1.63	45.62		2 2 1970	1.60	44.65	
12 9 1962	1.83	53.95		9 2 1970	1.46	39.10	
				22 2 1970	1.97	59.64	
1 10 1962	1.82	53.57		23 4 1970	1.51	40.97	
16 12 1962	1.73	49.79		17 8 1970	1.95	58.98	
17 3 1963	1.84	54.20					

322001

FANE AT INNISKEEN BRIDGE

GRID REF	IN920077	AREA	230. SQ.KM	OPW	GRADE	A2	
PERIOD OF RECORD	1 10 1957 TO	30 9 1970		THRESHOLD	6.70	CUMECs	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 11 1957	1.09	12.18		7 6 1958	0.88	7.38	
11 12 1957	1.02	10.35		27 6 1958	0.98	9.53	
10 1 1958	1.09	12.03		21 8 1958	1.05	11.21	
28 1 1958	1.04	11.28					
24 2 1958	1.19	14.67		6 10 1958	1.21	15.43	

SIGNIFICANT GAPS
1 10 1957 TO 21 10 1957 16 1 1962 TO 23 1 1962 7 3 1963 TO 19 3 1963

322001

FANE AT INNISKEEN BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
12 10 1958	1.00	9.93		13 12 1964	1.16	13.84	
21 12 1958	1.55	26.52		20 1 1965	1.49	24.30	
26 12 1958	1.21	15.43		27 3 1965	0.91	8.10	
1 1 1959	1.06	11.28					
21 1 1959	0.99	9.80		17 11 1965	1.42	21.97	
				22 12 1965	1.17	14.09	
20 12 1959	1.28	17.20		5 1 1966	1.06	11.36	
3 2 1960	1.34	10.08		8 2 1966	1.17	14.09	
3 3 1960	1.00	10.00		23 2 1966	1.29	17.66	
19 3 1960	1.00	10.07		10 4 1966	1.14	13.36	
14 4 1960	0.90	7.92		23 4 1966	1.18	14.50	
18 9 1960	0.91	7.98		21 6 1966	0.90	7.80	
7 10 1960	1.26	16.66		19 10 1966	1.34	19.08	
5 12 1960	1.09	12.18		8 11 1966	0.94	8.74	
7 2 1961	1.24	16.13		15 12 1966	1.46	23.12	
26 4 1961	1.15	13.60		24 12 1966	1.07	11.73	
				27 1 1967	0.98	9.59	
10 10 1961	0.85	6.86		2 3 1967	0.95	8.93	
27 10 1961	0.96	9.00		25 5 1967	1.08	11.80	
11 12 1961	1.32	18.60		17 9 1967	0.97	9.33	
24 1 1962	0.94	8.67					
15 2 1962	0.88	6.97		2 11 1967	1.22	15.69	
11 9 1962	0.99	9.66		16 1 1968	1.40	21.15	
2 10 1962	1.15	13.76		4 11 1968	1.08	11.80	
20 12 1962	1.09	12.03		24 11 1968	0.88	7.50	
16 2 1963	1.19	14.67		26 12 1968	1.08	11.88	
19 3 1963	1.21	15.43		16 1 1969	1.31	18.32	
				16 5 1969	0.99	9.73	
24 11 1963	1.46	23.01					
22 3 1964	1.15	13.76		24 12 1969	1.14	13.28	
				23 2 1970	1.23	15.87	
13 10 1964	1.43	22.17		18 4 1970	0.85	6.86	
RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM							
1962-1963							

322002

FANE AT CLAREBANE BRIDGE

GRID REF	AREA	SQ. KM	OPW THRESHOLD	GRADE	A1		
IH875142	163.		4.81	CUMECs			
PERIOD OF RECORD	1 10 1957 TO	30 9 1970					
SIGNIFICANT GAPS	1 10 1957 TO	21 10 1957	9 10 1961 TO	16 10 1961	3 4 1970 TO 24 4 1970		
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
3 11 1957	1.18	7.63		13 12 1961	1.37	11.55	
14 12 1957	1.10	6.96		17 1 1962	1.09	6.68	
13 1 1958	1.15	7.73		15 2 1962	0.99	5.35	
29 1 1958	1.18	8.23		14 9 1962	1.06	6.22	
25 2 1958	1.28	9.80					
28 6 1958	1.30	10.24		3 10 1962	1.28	9.97	
17 7 1958	1.14	7.44		17 12 1962	1.20	8.48	
21 8 1958	1.34	10.92		16 2 1963	1.34	11.03	
				18 3 1963	1.35	11.09	
6 10 1958	1.34	10.92		20 6 1963	1.68	18.12	
21 12 1958	1.67	17.91					
23 1 1959	1.13	7.34		26 11 1963	1.51	14.42	
16 3 1959	1.06	6.31		21 3 1964	1.29	10.08	
30 4 1959	1.12	7.10					
				12 10 1964	1.56	15.33	
23 12 1959	1.30	10.30		14 12 1964	1.28	9.91	
3 2 1960	1.42	12.56		20 1 1965	1.55	15.27	
4 3 1960	1.08	6.63		27 3 1965	1.09	6.68	
21 3 1960	1.00	5.43		17 4 1965	0.96	4.81	
14 4 1960	1.03	5.87		11 5 1965	1.03	5.78	
29 8 1960	0.99	5.22					
17 9 1960	0.97	5.02		10 12 1965	1.38	11.67	
				6 1 1966	1.10	6.86	
5 10 1960	1.22	8.90		24 2 1966	1.37	11.49	
6 12 1960	1.19	8.38		25 4 1966	1.21	8.74	
8 2 1961	1.36	11.38		23 6 1966	1.09	6.68	
27 4 1961	1.25	9.32					
				21 10 1966	1.45	13.17	
26 10 1961	1.12	7.15		7 11 1966	1.12	7.24	

322002 FANE AT CLAREBANE BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
15 12 1966	1.54	15.01		25 11 1968	1.01	5.56	
29 1 1967	1.07	6.45		27 12 1968	1.15	7.68	
2 3 1967	1.16	7.83		14 1 1969	1.37	11.55	
27 5 1967	1.50	14.23		17 5 1969	1.03	5.82	
19 9 1967	1.08	6.54					
4 11 1967	1.38	11.78		24 11 1969	1.06	6.31	
15 1 1968	1.39	12.02		23 12 1969	1.32	10.63	
				23 2 1970	1.44	12.92	
4 11 1968	1.29	10.08		24 4 1970	0.97	5.02	

323002 FEALE AT LISTOWEL BRIDGE

GRID REF	PERIOD OF RECORD	AREA	OPW THRESHOLD	GRADE
IQ995332	1 10 1946 TO 30 9 1970	633.0 SQ. KM	207.50 CUMecs	A1
SIGNIFICANT GAPS				
1 10 1946 TO	15 10 1946	18 10 1954 TO	25 10 1954	19 11 1956 TO
26 1 1961 TO	11 5 1961	13 11 1963 TO	15 11 1963	15 12 1965 TO
14 2 1966 TO	21 2 1966	21 3 1966 TO	1 6 1966	23 8 1966 TO
26 10 1967 TO	6 11 1967	11 12 1967 TO	8 1 1968	27 3 1968 TO
29 4 1968 TO	1 7 1968	10 11 1968 TO	17 11 1968	25 12 1968 TO
15 3 1969 TO	14 4 1969			3 12 1956
				2 1 1966
				11 9 1966
				22 4 1968
				7 1 1969

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
3 1 1947	1.49	229.61		20 11 1954	1.47	222.16	
25 2 1947	1.52	236.33		1 3 1955	1.80	293.69	
28 6 1947	1.65	264.02		3 6 1955	1.75	283.53	
				5 6 1955	2.10	354.75	
22 11 1947	1.67	268.72					
3 12 1947	1.70	273.45		11 12 1955	1.64	262.84	
31 12 1947	2.10	353.51		21 1 1956	1.63	259.91	
3 1 1948	2.43	423.02					
4 1 1948	2.20	375.37		10 12 1956	1.37	208.81	
10 1 1948	1.56	246.51		26 12 1956	1.42	218.44	
12 1 1948	1.87	303.14		31 12 1956	2.13	370.33	
8 2 1948	1.41	207.60		22 1 1957	1.55	245.46	
2 9 1948	1.51	232.96		23 1 1957	2.03	347.08	
				25 1 1957	1.52	239.25	
1 12 1948	1.54	243.13		24 9 1957	1.46	226.95	
5 12 1948	2.71	482.89					
6 12 1948	1.61	256.99		22 10 1957	1.49	233.08	
11 12 1948	1.92	316.63		5 11 1957	1.57	249.83	
26 12 1948	1.64	262.84		8 12 1957	1.37	208.81	
3 1 1949	1.47	223.81		10 1 1958	1.47	228.78	
				24 1 1958	2.23	393.25	
17 10 1949	1.65	264.02		10 2 1958	1.52	239.25	
25 10 1949	2.36	407.01		23 5 1958	1.60	254.84	
28 10 1949	1.47	223.81					
3 12 1949	1.44	215.63		4 11 1958	1.82	303.03	
9 2 1950	2.04	341.13		6 1 1959	1.43	220.86	
10 1 1951	2.05	344.22		9 10 1959	1.62	259.88	
30 1 1951	1.82	298.40		9 12 1959	1.67	270.68	
4 2 1951	1.80	293.69		20 1 1960	1.44	223.90	
4 2 1951	1.88	308.75		13 9 1960	1.40	214.81	
5 11 1951	2.97	533.16		1 11 1960	1.85	308.29	
8 12 1951	1.70	273.45		12 11 1960	1.42	218.44	
18 12 1951	1.82	298.49		24 11 1960	1.40	216.02	
1 1 1952	1.85	303.31		3 12 1960	2.19	384.18	
8 1 1952	1.67	268.72		28 12 1960	1.50	236.16	
				24 1 1961	2.20	387.66	
2 11 1952	2.03	338.67					
29 8 1953	2.22	373.51		8 10 1961	1.90	319.54	
19 9 1953	2.04	341.13		15 1 1962	1.88	314.24	
21 9 1953	1.93	319.68		2 4 1962	1.41	217.83	
				22 8 1962	1.44	223.90	
1 11 1953	1.42	208.40					
3 12 1953	1.65	264.02		8 12 1962	2.05	353.20	
24 1 1954	2.05	344.22					
13 2 1954	1.44	215.63		31 10 1963	1.52	239.25	
26 2 1954	1.90	313.60		19 3 1964	1.40	214.81	
				16 8 1964	1.42	218.44	
26 10 1954	1.44	215.63					

323002

FEALE AT LISTOWEL BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
14 11 1964	1.39	217.61		27 2 1967	1.61	257.99	
7 12 1964	1.37	208.31					
8 12 1964	1.77	291.93		1 10 1967	1.46	226.95	
12 12 1964	1.90	310.54		6 10 1967	2.05	353.20	
13 1 1965	1.37	208.81		23 3 1968	1.41	217.23	
16 1 1965	1.82	307.03					
25 9 1965	1.40	216.02		4 11 1968	1.72	280.93	
				24 12 1968	2.13	370.33	
16 11 1965	1.49	234.31		24 12 1968	2.23	393.25	
3 12 1965	2.28	405.10		10 1 1969	2.28	405.19	
9 12 1965	2.27	402.37		17 1 1969	1.42	218.44	
10 1 1966	1.44	227.90		20 1 1969	1.43	220.86	
2 3 1966	1.37	210.01					
				9 12 1969	1.50	236.16	
18 10 1966	1.52	239.25		20 1 1970	1.44	223.90	
15 2 1967	1.40	214.81		20 2 1970	1.79	296.49	
22 2 1967	1.90	319.54		21 4 1970	1.88	316.22	

324002

FERGUS AT BALLYCOREY BRIDGE

GRID REF IR346804 AREA 547.90 KM
 PERIOD OF RECORD 24 11 1958 TO 30 9 1970

OPW THRESHOLD 13.73 CUMECs GRADE A1

SIGNIFICANT GAPS

17 9 1961 TO 22 9 1961 1 12 1961 TO 4 12 1961 18 11 1969 TO 17 12 1969
 15 9 1970 TO 27 9 1970

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
7 1 1959	1.48	23.19		20 1 1965	2.06	42.25	
25 1 1959	1.12	14.09		26 3 1965	1.23	16.60	
18 3 1959	1.11	13.88		15 4 1965	1.18	15.50	
				11 5 1965	1.14	14.57	
28 10 1959	1.51	24.06					
30 12 1959	2.46	58.34		17 12 1965	1.88	35.92	
5 2 1960	1.63	27.49		4 1 1966	1.37	20.25	
17 4 1960	1.23	16.60		1 3 1966	1.49	23.36	
22 9 1960	1.18	15.50		24 4 1966	1.48	23.19	
				1 7 1966	1.23	16.67	
7 12 1960	2.06	42.02		7 9 1966	1.26	17.35	
4 1 1961	1.79	32.83					
8 2 1961	2.07	42.48		29 12 1966	1.37	20.09	
18 7 1961	1.29	18.03		29 1 1967	1.34	19.29	
				1 3 1967	1.76	31.83	
6 10 1961	1.18	15.50		28 5 1967	1.28	17.73	
29 10 1961	1.49	23.62		23 8 1967	1.15	14.78	
12 11 1961	1.23	16.60					
11 12 1961	1.76	31.83		18 10 1967	1.73	30.84	
22 1 1962	1.72	30.35		5 11 1967	1.63	27.49	
8 4 1962	1.37	20.09		3 12 1967	1.33	19.05	
30 8 1962	1.11	13.88		18 1 1968	1.73	30.84	
				5 2 1968	1.30	18.34	
8 11 1962	1.43	21.91		27 3 1968	1.49	23.62	
15 12 1962	1.58	26.11		29 9 1968	1.71	30.06	
19 3 1963	1.35	19.53					
				6 11 1968	1.65	28.24	
11 10 1963	1.18	15.50		26 12 1968	2.14	45.35	
4 11 1963	1.45	22.33		23 1 1969	1.92	37.20	
27 11 1963	1.85	34.67		4 7 1969	1.15	14.78	
25 3 1964	1.31	18.50					
15 5 1964	1.49	23.44		14 11 1969	1.56	25.39	
				23 12 1969	1.82	33.65	
12 10 1964	1.95	38.05		23 2 1970	1.73	30.84	
21 11 1964	1.38	20.33		28 4 1970	1.72	30.45	
15 12 1964	2.05	41.69					

324003

FERGUS AT COROFIN BRIDGE

GRID REF IR286886 AREA 155. SQ.KM
 PERIOD OF RECORD 1 10 1957 TO 30 9 1970
 SIGNIFICANT GAPS
 1 10 1957 TO 9 10 1957

OPW THRESHOLD 14.75 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 10 1957	1.83	23.30		17 11 1964	1.39	15.38	
11 1 1958	1.60	20.91		13 12 1964	1.84	28.70	
11 2 1958	1.63	21.81		16 1 1965	1.74	25.22	
10 8 1958	1.39	15.45		21 3 1965	1.46	17.22	
24 9 1958	1.53	13.84					
				9 12 1965	1.66	22.72	
14 10 1958	1.46	17.06		2 3 1966	1.39	15.45	
				16 4 1966	1.53	18.93	
21 10 1959	1.63	21.81		23 4 1966	1.42	16.13	
27 10 1959	1.64	22.08		28 6 1966	1.64	22.17	
29 11 1959	1.42	15.98					
8 12 1959	1.66	22.82		23 2 1967	1.56	19.69	
30 12 1959	1.95	32.57		28 2 1967	1.69	23.76	
22 1 1960	1.57	20.03		25 5 1967	1.56	19.95	
3 2 1960	1.38	15.08		19 8 1967	1.53	19.10	
2 9 1960	1.38	15.08					
				4 10 1967	1.38	15.23	
3 11 1960	1.49	17.94		10 10 1967	1.81	27.55	
12 11 1960	1.70	23.95		17 10 1967	1.71	24.43	
26 11 1960	1.55	19.52		1 11 1967	1.65	22.35	
3 12 1960	1.87	29.67		30 11 1967	1.52	18.68	
28 12 1960	1.55	19.52		9 1 1968	1.56	19.69	
2 2 1961	1.77	26.32		14 1 1968	1.52	18.76	
15 7 1961	1.46	17.06		24 9 1968	1.67	22.91	
27 10 1961	1.54	10.26		2 11 1968	1.78	26.62	
1 12 1961	1.63	21.81		11 11 1968	1.44	16.67	
10 12 1961	1.67	23.10		25 11 1968	1.41	15.75	
16 1 1962	1.56	10.77		16 12 1968	1.55	19.43	
3 4 1962	1.44	16.51		25 12 1968	2.08	37.84	
				10 1 1969	1.77	26.32	
11 12 1962	1.56	10.77		21 1 1969	1.73	25.02	
12 11 1963	1.50	13.10		12 11 1969	1.56	19.95	
18 11 1963	1.47	17.46		22 12 1969	1.70	24.05	
25 11 1963	1.63	21.81		10 2 1970	1.41	15.90	
12 5 1964	1.79	27.03		22 2 1970	1.74	25.41	
				25 4 1970	1.73	25.02	
8 10 1964	1.94	32.23		18 9 1970	1.63	21.90	

327001

GLYDE AT MANSFIELDSTOWN BRIDGE

GRID REF IN985953 AREA 314. SQ.KM
 PERIOD OF RECORD 1 10 1955 TO 1 10 1970

OPW THRESHOLD 12.30 GRADE B
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
20 8 1956	1.41	14.13		22 1 1959	1.74	18.46	
7 9 1956	1.96	21.23					
				9 12 1959	1.94	20.99	
31 12 1956	2.35	26.34		21 12 1959	1.74	18.38	
5 1 1957	1.64	17.12		23 1 1960	1.46	14.83	
24 1 1957	2.07	22.06		31 1 1960	1.85	19.80	
31 1 1957	1.48	15.03		20 3 1960	1.41	14.17	
2 4 1957	1.75	13.50					
				5 10 1960	2.45	27.68	
30 10 1957	1.73	18.22		8 10 1960	1.73	18.22	
12 12 1957	1.59	16.45		3 11 1960	1.69	17.75	
26 1 1958	1.78	18.90		5 12 1960	1.94	20.99	
11 2 1958	1.40	14.01		22 1 1961	2.11	23.17	
25 2 1958	1.72	18.11		6 2 1961	1.81	19.37	
11 6 1958	1.77	18.78		26 4 1961	1.59	16.45	
27 6 1958	1.96	21.23					
20 8 1958	1.69	17.71		11 12 1961	2.00	21.78	
28 8 1958	1.48	15.03		16 1 1962	1.37	13.58	
4 9 1958	1.38	13.60					
				1 10 1962	1.52	15.54	
5 10 1958	1.71	18.03		17 3 1963	1.72	18.19	
19 12 1958	2.73	33.54					
7 1 1959	1.42	14.21		12 11 1963	1.60	16.61	

327001 GLVDE AT HANSFIELDSTOWN BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 11 1963	2.00	21.78		2 12 1966	1.71	17.99	
20 3 1964	1.88	20.16		14 12 1966	2.25	25.03	
				25 5 1967	1.38	13.81	
12 10 1964	2.20	24.43		9 10 1967	1.50	15.35	
13 12 1964	1.92	20.67		17 10 1967	1.73	18.22	
21 1 1965	2.32	25.90		2 11 1967	2.06	22.53	
				11 1 1968	2.84	36.30	
20 11 1965	2.61	30.50		17 1 1968	2.13	23.52	
25 11 1965	2.03	22.14		24 3 1968	1.47	14.87	
18 12 1965	1.77	18.82					
23 12 1965	1.52	15.58		3 11 1968	2.54	28.95	
30 1 1966	1.93	20.87		11 11 1968	1.51	15.43	
9 2 1966	1.92	20.75		23 11 1968	1.37	13.58	
23 2 1966	2.45	27.68		26 12 1968	2.00	21.78	
2 3 1966	1.42	14.32		13 1 1969	2.34	26.22	
10 4 1966	1.95	21.07		7 5 1969	1.38	13.77	
16 4 1966	2.18	24.08					
23 4 1966	1.84	19.69		22 12 1969	1.95	21.07	
15 6 1966	1.41	14.13		21 2 1970	2.13	23.44	
20 6 1966	1.69	17.75		17 8 1970	1.63	16.96	
19 10 1966	1.68	17.63					

327003 DEE AT DROMGOOLESTOWN BRIDGE

GRID REF I0029909 AREA 302. SQ.KM OPW THRESHOLD 22.30 GRADE A1
 PERIOD OF RECORD 1 10 1956 TO 30 9 1970 CUMECS
 SIGNIFICANT GAPS
 13 12 1956 TO 17 12 1956 23 9 1957 TO 30 9 1957

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 12 1956	1.95	34.06		9 1 1965	1.95	33.77	
28 12 1956	1.64	26.32		13 1 1965	1.82	29.09	
30 12 1956	2.00	36.16		18 1 1965	1.76	27.31	
23 1 1957	1.80	32.54		20 1 1965	2.11	39.48	
30 10 1957	2.07	38.42		18 11 1965	2.28	46.22	
25 1 1958	1.84	32.13		25 11 1965	2.12	39.71	
10 2 1958	1.58	24.68		27 11 1965	1.85	30.10	
24 2 1958	1.62	25.69		2 12 1965	1.62	23.00	
7 6 1958	1.95	33.66		9 12 1965	1.76	27.31	
9 6 1958	2.00	35.40		29 1 1966	1.73	26.15	
26 6 1958	2.14	40.64		9 2 1966	1.64	23.54	
13 8 1958	1.71	25.67		20 2 1966	1.89	31.65	
				22 2 1966	2.11	39.48	
4 10 1958	1.65	23.72		9 4 1966	1.72	26.05	
17 12 1958	2.35	49.01		16 4 1966	2.17	41.59	
19 12 1958	2.23	44.12		22 4 1966	1.73	26.15	
6 1 1959	1.66	23.99		23 4 1966	1.70	25.48	
8 12 1959	2.04	36.85		10 12 1966	1.83	29.49	
20 12 1959	1.61	22.64		12 12 1966	1.67	24.46	
30 1 1960	1.87	30.71					
14 9 1960	1.67	24.46		17 10 1967	1.90	31.86	
				2 11 1967	2.07	37.98	
3 10 1960	2.36	49.65		9 1 1968	2.45	53.33	
2 11 1960	1.79	28.09		13 1 1968	1.63	23.36	
4 12 1960	1.89	31.65		16 1 1968	1.94	33.13	
21 1 1961	2.11	39.59		23 3 1968	1.62	22.82	
6 2 1961	1.61	22.73					
25 4 1961	1.61	22.64		2 11 1968	2.43	52.67	
				17 12 1968	1.95	33.77	
30 9 1962	1.78	27.79		25 12 1968	2.10	39.13	
				8 1 1969	2.05	37.30	
6 1 1963	1.88	31.02		10 1 1969	2.02	35.96	
				12 1 1969	1.92	32.70	
21 11 1963	1.63	23.27		20 1 1969	2.04	36.74	
23 11 1963	1.77	27.60					
19 3 1964	1.82	29.09		20 12 1969	1.71	25.67	
				19 2 1970	1.82	29.09	
11 10 1964	2.02	36.18		21 2 1970	1.66	24.18	
9 12 1964	1.89	31.44		12 4 1970	1.72	25.86	
13 12 1964	1.91	32.17					

327033

DEE AT BURLEY BRIDGE

GRID REF IN924896 AREA 176. SQ.KM
 PERIOD OF RECORD 1 10 1959 TO 1 10 1970
 SIGNIFICANT GAPS
 18 11 1962 TO 15 12 1962

OPW THRESHOLD 14.70 GRADE A2
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
8 12 1959	2.92	21.90		26 11 1965	2.30	15.66	
30 1 1960	2.46	17.49		9 12 1965	2.22	14.82	
14 9 1960	2.76	21.14		29 1 1966	2.27	15.42	
				19 2 1966	2.46	17.56	
3 10 1960	3.38	29.21		20 2 1966	2.46	17.49	
2 11 1960	2.62	19.36		22 2 1966	2.89	22.74	
3 12 1960	2.65	19.73		15 4 1966	2.86	22.36	
20 1 1961	2.99	23.99		22 4 1966	2.31	15.83	
25 4 1961	2.30	15.66		23 4 1966	2.21	14.75	
10 12 1961	2.28	15.40		9 12 1966	2.52	18.28	
26 9 1962	2.22	14.82		17 12 1966	2.31	15.83	
29 9 1962	2.62	19.43		14 12 1966	2.25	15.15	
30 9 1962	2.28	15.49					
				16 10 1967	2.81	21.78	
6 1 1963	2.37	16.52		1 11 1967	2.94	23.33	
				8 1 1968	3.26	27.54	
21 11 1963	2.22	14.82		16 1 1968	2.65	19.73	
23 11 1963	2.41	16.93		23 3 1968	2.23	14.88	
19 3 1964	2.46	17.56		4 5 1968	2.29	15.56	
10 10 1964	3.07	25.10		2 11 1968	3.36	29.00	
7 12 1964	2.22	14.82		17 12 1968	2.80	21.59	
8 12 1964	2.75	21.03		24 12 1968	2.92	23.13	
12 12 1964	2.71	20.47		7 1 1969	2.80	21.59	
9 1 1965	2.89	22.74		10 1 1969	2.88	22.55	
13 1 1965	2.57	18.82		12 1 1969	2.65	19.73	
18 1 1965	2.42	17.04		20 1 1969	2.89	22.74	
20 1 1965	3.12	25.70		21 1 1969	2.79	21.48	
21 1 1965	2.33	16.00					
				20 12 1969	2.39	16.72	
17 11 1965	3.00	24.11		19 2 1970	2.47	17.63	
25 11 1965	2.80	21.50					

327036

GLYDE AT ACLINT BRIDGE

GRID REF IN893983 AREA 144.0 SQ.KM
 PERIOD OF RECORD 1 10 1959 TO 30 9 1970
 SIGNIFICANT GAPS
 30 11 1959 TO 14 12 1959 23 1 1960 TO 1 2 1960
 10 2 1970 TO 20 2 1970

OPW THRESHOLD 5.98 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
20 11 1959	1.69	6.33		11 10 1964	2.82	24.81	
7 12 1959	1.67	6.18		9 12 1964	2.09	11.09	
14 12 1959	2.24	13.22		13 12 1964	2.25	13.46	
20 12 1959	1.98	9.54		16 12 1964	1.70	6.42	
1 2 1960	2.08	10.96		20 1 1965	2.52	18.35	
15 9 1960	1.65	5.98		24 1 1965	2.09	11.09	
3 10 1960	2.81	24.52		19 11 1965	2.56	18.95	
8 10 1960	1.90	8.61		25 11 1965	1.85	8.08	
2 11 1960	1.94	9.09		10 12 1965	1.73	6.78	
26 11 1960	1.85	8.01		18 12 1965	1.70	6.48	
5 12 1960	2.08	10.88		30 1 1966	1.88	8.36	
23 1 1961	2.23	13.13		9 2 1966	1.82	7.74	
6 2 1961	1.77	7.19		22 2 1966	2.13	11.70	
26 4 1961	1.71	6.60		10 4 1966	1.83	7.81	
				16 4 1966	1.98	9.62	
11 12 1961	2.03	10.26		20 6 1966	1.70	6.48	
12 9 1962	1.78	7.25					
				8 10 1966	1.70	6.51	
1 10 1962	2.19	12.51		19 10 1966	1.95	9.16	
16 3 1963	2.03	10.30		2 12 1966	1.96	9.35	
				13 12 1966	2.39	15.89	
31 10 1963	1.79	7.35		25 5 1967	1.86	8.15	
12 11 1963	2.06	10.67		19 8 1967	1.78	7.25	
24 11 1963	2.39	15.78					
20 3 1964	2.10	11.17					

327036 GLYDE AT ACLINT BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 10 1967	1.76	7.00		13 1 1969	2.24	13.22	
2 11 1967	1.98	0.54		22 1 1969	2.13	11.61	
9 1 1968	2.77	23.72		22 12 1969	1.82	7.74	
16 1 1968	2.00	9.86		20 2 1970	1.92	8.79	
2 11 1968	2.64	20.72		17 8 1970	1.85	8.01	
26 12 1968	1.95	9.16					

328001 GRANNEY AT SCARRIFF BRIDGE

GRID REF IR643843 AREA 264.0 SQ. KM
 PERIOD OF RECORD 1 10 1957 TO 30 9 1970

OPW THRESHOLD 17.90 GRADE A1 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 10 1957	2.04	51.44		25 11 1963	1.69	32.82	
11 1 1958	1.68	32.11		12 5 1964	1.61	29.06	
28 1 1958	1.39	20.16		9 10 1964	1.62	29.47	
16 2 1958	1.43	21.53		18 11 1964	1.35	18.51	
6 9 1958	1.35	18.83		13 12 1964	2.22	62.43	
7 1 1959	1.39	20.27		17 1 1965	1.86	41.20	
15 11 1959	1.43	21.53		27 11 1965	1.35	18.83	
9 12 1959	1.71	33.54		13 12 1965	1.62	29.33	
27 12 1959	2.43	77.13		18 12 1965	1.72	34.13	
23 1 1960	1.48	23.54		6 2 1966	1.41	20.72	
2 2 1960	1.53	25.40		16 4 1966	1.43	21.53	
13 4 1960	1.33	17.97		23 4 1966	1.36	18.94	
3 9 1960	1.44	21.99		27 6 1966	1.35	18.62	
19 9 1960	1.44	21.99		5 9 1966	1.52	25.28	
3 11 1960	1.59	27.99		28 2 1967	1.90	43.16	
13 11 1960	1.80	38.04		10 10 1967	1.64	30.29	
26 11 1960	1.59	27.99		17 10 1967	1.52	25.28	
4 12 1960	2.04	51.44		2 11 1967	1.50	24.28	
1 1 1961	1.58	27.72		24 12 1967	1.33	17.97	
6 2 1961	1.82	38.98		16 1 1968	1.53	25.53	
15 7 1961	1.40	20.38		24 3 1968	1.73	34.72	
16 9 1961	1.36	19.05		29 9 1968	1.42	21.18	
24 10 1961	1.40	20.49		3 11 1968	1.58	27.86	
10 12 1961	1.60	28.39		24 11 1968	1.45	22.46	
17 1 1962	1.72	34.27		16 12 1968	1.94	45.50	
24 1 1962	1.42	21.06		11 1 1969	1.57	27.46	
4 4 1962	1.53	25.53		21 1 1969	1.75	35.76	
10 4 1962	1.36	19.16		11 11 1969	1.42	21.29	
6 11 1962	1.46	22.58		21 12 1969	1.60	28.52	
12 12 1962	1.51	24.90		9 2 1970	1.41	20.95	
20 12 1962	1.37	19.27		22 2 1970	1.65	30.84	
16 3 1963	1.33	17.97		23 4 1970	1.79	37.43	
31 10 1963	1.51	24.65					

331001 INNY AT BALLYMAHON BRIDGE

GRID REF IN158568 AREA 1042. SQ. KM
 PERIOD OF RECORD 1 10 1953 TO 30 9 1958

OPW THRESHOLD 16.71 GRADE A2 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 11 1953	0.84	29.26		2 7 1955	0.74	23.22	
3 12 1953	1.10	45.25		28 12 1955	0.83	28.37	
12 12 1953	0.86	30.33		26 1 1956	0.95	35.49	
25 1 1954	0.80	26.79		4 3 1956	0.71	21.90	
8 3 1954	1.02	30.89		6 9 1956	0.75	23.89	
5 4 1954	0.97	37.00		1 1 1957	1.15	48.52	
2 5 1954	0.76	24.40		27 1 1957	1.17	49.76	
16 9 1954	0.79	26.10		1 4 1957	0.86	30.33	
8 12 1954	1.55	77.54		29 10 1957	0.95	35.49	
4 2 1955	1.16	40.34					
1 3 1955	0.87	30.60					

331001 INNY AT BALLYMAHON BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 1 1958	0.97	37.00		17 5 1958	0.62	17.15	
24 2 1958	1.06	42.45		24 9 1958	0.96	36.05	
30 3 1958	0.75	24.06					

331003 INNY AT BALLYCORKEY BRIDGE

GRID REF IN312638 AREA 735.0 SQ.KM
 PERIOD OF RECORD 1 10 1952 TO 30 9 1958

OPW THRESHOLD 11.61 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 11 1952	1.03	14.48		30 12 1955	1.05	14.94	
25 12 1952	1.21	18.41		30 1 1956	1.33	21.16	
1 3 1953	0.94	12.62		10 9 1956	1.24	19.09	
4 9 1953	0.92	12.05					
17 11 1953	1.27	10.78		1 10 1956	1.24	19.16	
6 12 1953	1.49	24.71		22 10 1956	1.08	15.59	
27 1 1954	1.06	15.20		7 1 1957	1.72	30.36	
27 2 1954	1.51	25.36		28 1 1957	1.81	32.69	
6 4 1954	1.33	21.16		25 2 1957	1.40	22.78	
				4 4 1957	1.23	18.82	
2 11 1954	2.08	44.18					
12 12 1954	2.39	63.68		4 11 1957	1.60	27.54	
7 2 1955	1.74	30.88		31 1 1958	1.52	25.50	
3 3 1955	1.35	21.51		16 2 1958	1.58	26.88	
26 3 1955	0.93	12.43		31 3 1958	0.92	12.18	
6 5 1955	0.94	12.62		17 8 1958	1.70	20.91	
6 7 1955	1.12	16.32					

331005 INNY AT CAMMAGH BRIDGE

GRID REF IN393755 AREA 368.0 SQ.KM
 PERIOD OF RECORD 1 10 1952 TO 1 10 1958

OPW THRESHOLD 5.75 GRADE C
 CUMECS

SIGNIFICANT GAPS

12 12 1953 TO 19 12 1953 2 6 1958 TO 9 6 1958

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 11 1952	1.36	9.20		24 3 1955	1.32	8.88	
24 12 1952	1.46	9.98		3 7 1955	1.53	10.45	
14 2 1953	1.17	7.78		22 9 1955	0.94	6.25	
31 8 1953	1.13	7.55					
21 9 1953	1.00	6.68		11 11 1955	0.86	5.76	
				26 1 1956	1.61	11.14	
3 12 1953	1.85	13.10		4 3 1956	1.15	7.68	
25 2 1954	1.88	13.28					
				4 2 1957	2.20	17.00	
14 12 1954	3.00	29.33					
4 1 1955	2.27	18.06		2 11 1957	1.92	13.67	
1 3 1955	1.85	13.05		24 2 1958	2.04	14.98	

331006 INNY AT FINNEA BRIDGE

GRID REF IN403816 AREA 249. SQ.KM
 PERIOD OF RECORD 1 10 1952 TO 30 9 1958

OPW THRESHOLD 3.23 GRADE B
 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 11 1952	0.79	4.91		2 1 1956	0.85	5.29	
5 1 1953	0.97	5.99		6 2 1956	1.14	7.05	
31 8 1953	0.49	3.26					
				2 10 1956	0.89	5.52	
15 12 1953	1.15	7.11		7 1 1957	1.43	9.02	
9 3 1954	1.35	8.44		5 2 1957	1.58	10.12	
				5 4 1957	1.27	7.92	
2 11 1954	1.67	10.93		29 9 1957	0.69	4.32	
15 12 1954	2.19	18.77					
9 2 1955	1.63	10.46		6 11 1957	1.24	7.76	
14 5 1955	0.76	4.72		26 2 1958	1.49	9.50	
9 7 1955	0.81	5.03		4 7 1958	0.91	5.60	
				14 9 1958	1.69	11.28	

332001 CAPPAGH AT CAPPAGH BRIDGE

GRID REF IM772056 AREA 131.0 SQ.KM OPW THRESHOLD 16.10 GRADE B
 PERIOD OF RECORD 20 4 1955 TO 30 9 1962 CUMECS
 SIGNIFICANT GAPS
 20 4 1962 TO 30 9 1962

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
22 1 1956	2.44	19.99		2 1 1959	2.40	18.73	
26 1 1956	2.38	18.21		15 11 1959	2.36	17.61	
29 7 1956	2.51	22.08		8 12 1959	2.34	16.95	
13 8 1956	2.43	19.53		27 12 1959	2.84	34.66	
6 9 1956	2.47	20.92		22 1 1960	2.34	17.11	
8 11 1956	2.35	17.36		27 1 1960	2.36	17.70	
14 12 1956	2.44	19.89		2 11 1960	2.58	24.45	
25 12 1956	2.66	27.33		11 11 1960	2.57	24.23	
28 12 1956	2.52	22.28		4 12 1960	2.78	32.12	
1 1 1957	2.61	25.42		28 12 1960	2.42	19.26	
4 1 1957	2.33	16.70		2 2 1961	2.34	17.11	
23 1 1957	2.77	31.73		6 2 1961	2.41	19.08	
27 1 1957	2.32	16.63		14 7 1961	2.64	26.53	
30 10 1957	2.76	31.22		16 9 1961	2.32	16.55	
13 1 1958	2.34	17.11		30 11 1961	2.50	21.89	
11 2 1958	2.76	31.34		11 12 1961	2.32	16.55	
24 9 1958	2.41	19.08		16 1 1962	2.30	16.13	
				3 4 1962	2.33	16.71	

332002 KILCROW AT HOAT BRIDGE

GRID REF IM799101 AREA 194.0 SQ.KM OPW THRESHOLD 16.99 GRADE C
 PERIOD OF RECORD 19 4 1955 TO 30 9 1962 CUMECS
 SIGNIFICANT GAPS
 11 8 1956 TO 14 8 1956 3 1 1959 TO 19 1 1959 19 4 1962 TO 30 9 1962

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
21 1 1956	2.13	18.12		15 10 1959	2.08	17.28	
26 1 1956	2.26	20.95		29 12 1959	2.43	29.26	
3 2 1956	2.17	18.74		27 1 1960	2.28	21.86	
8 9 1956	2.23	19.59		3 2 1960	2.15	18.31	
25 12 1956	2.39	26.86		1 9 1960	2.10	17.55	
28 12 1956	2.17	18.64		19 9 1960	2.14	18.26	
31 12 1956	2.10	17.55		2 11 1960	2.21	19.31	
23 1 1957	2.27	21.21		11 11 1960	2.16	18.45	
30 10 1957	2.61	30.93		26 11 1960	2.19	18.98	
1 11 1957	2.26	20.95		5 12 1960	2.40	27.64	
10 1 1958	2.08	17.23		28 12 1960	2.30	22.52	
25 1 1958	2.06	17.00		2 2 1961	2.27	21.34	
11 2 1958	2.52	34.56		5 2 1961	2.31	23.07	
15 2 1958	2.09	17.41		1 11 1961	2.39	26.86	
24 9 1958	2.22	19.51		5 12 1961	2.20	19.07	
2 1 1959	2.17	18.64		11 12 1961	2.38	26.55	
				13 12 1961	2.11	17.79	
				16 1 1962	2.20	19.17	
				2 4 1962	2.20	19.22	

336001 LEE AT BALLYCARTY BRIDGE

GRID REF IQ891127 AREA 23.0 SQ.KM OPW THRESHOLD 9.05 GRADE C
 PERIOD OF RECORD 1 10 1963 TO 30 9 1970 CUMECS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 11 1963	1.23	3.83		8 11 1965	1.33	10.64	
4 10 1964	1.30	10.07		9 12 1965	1.46	13.25	
8 12 1964	1.43	12.63		16 12 1965	1.43	12.57	
12 12 1964	1.49	13.81		3 2 1966	1.24	9.09	
13 1 1965	1.40	12.03		4 2 1966	1.34	10.75	
15 1 1965	1.50	13.94		23 2 1966	1.31	10.18	
23 1 1965	1.33	10.64		23 4 1966	1.37	11.44	
25 9 1965	1.30	10.13		3 9 1966	1.46	13.06	

336001 LEE AT BALLYCARTY BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 9 1966	1.27	9.52		15 1 1968	1.28	9.74	
4 11 1966	1.53	14.64		1 11 1968	1.26	9.31	
15 12 1966	1.46	13.12		13 12 1968	1.37	11.33	
28 12 1966	1.40	11.97		24 12 1968	1.39	11.85	
22 2 1967	1.56	15.35		24 12 1968	1.73	19.12	
6 10 1967	1.53	14.51		20 1 1969	1.65	14.35	
29 11 1967	1.57	15.48		16 2 1970	1.46	10.52	
8 1 1968	1.71	16.56		20 4 1970	1.56	12.62	

337001 RYEWATER AT LEIXLIP

GRID REF I0006364 AREA 206.0 SQ.KM OPW THRESHOLD 20.10 GRADE B CUMECS

PERIOD OF RECORD 1 10 1956 TO 30 9 1968

SIGNIFICANT GAPS
 4 7 1958 TO 24 7 1958 6 12 1961 TO 13 12 1961 17 12 1962 TO 27 12 1962
 9 11 1963 TO 11 11 1963 30 12 1965 TO 5 1 1966

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
19 3 1957	1.49	36.77		27 9 1962	0.95	14.43	
25 9 1957	1.14	21.05		9 12 1962	1.33	28.96	
28 10 1957	1.15	21.63		3 11 1963	1.21	23.67	
29 10 1957	1.17	27.34		21 11 1963	1.12	20.37	
5 11 1957	1.22	24.28		7 12 1964	1.15	21.40	
10 2 1958	1.40	37.31		8 12 1964	1.36	30.33	
15 2 1958	1.31	28.15		14 12 1964	1.69	47.45	
24 2 1958	1.17	22.34		13 1 1965	1.17	22.46	
14 5 1958	1.11	20.14		18 1 1965	1.24	24.91	
7 6 1958	1.12	20.25		17 11 1965	1.80	53.96	
26 6 1958	1.69	47.10		25 11 1965	1.98	65.15	
19 8 1958	1.31	27.88		27 11 1965	1.20	23.42	
25 8 1958	1.32	28.55		9 12 1965	1.20	23.30	
3 9 1958	1.11	20.14		12 12 1965	1.51	37.39	
23 9 1958	1.17	27.34		17 12 1965	1.14	20.94	
30 9 1958	1.25	25.41		22 2 1966	1.56	40.39	
4 10 1958	1.43	33.47		7 4 1966	1.14	21.03	
27 12 1959	1.47	35.40		22 4 1966	1.12	20.48	
21 1 1960	1.13	20.71		13 10 1966	1.16	21.87	
30 1 1960	1.21	24.04		18 10 1966	1.26	26.05	
3 2 1960	1.14	21.05		10 12 1966	1.43	33.47	
14 9 1960	1.60	42.51		12 12 1966	1.82	55.27	
15 9 1960	1.21	24.04		22 2 1967	1.45	34.65	
2 10 1960	1.65	45.20		27 2 1967	1.72	49.03	
21 11 1960	1.21	23.79		16 10 1967	1.39	31.74	
23 11 1960	1.14	21.05		1 11 1967	1.49	36.46	
26 11 1960	1.35	20.64		22 12 1967	1.12	20.37	
30 11 1960	1.44	34.21		8 1 1968	1.76	51.56	
3 12 1960	1.49	36.46		23 3 1968	1.39	31.60	
6 12 1960	1.31	28.02					
20 1 1961	1.63	43.68					
6 2 1961	1.31	27.88					

338002 CAMCOR AT SYNGEFIELD BRIDGE

GRID REF IN080046 AREA 158.0 SQ.KM OPW THRESHOLD 21.70 GRADE B CUMECS

PERIOD OF RECORD 1 10 1953 TO 30 9 1970

SIGNIFICANT GAPS
 27 11 1954 TO 4 12 1954

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 10 1953	2.03	31.88		15 10 1954	2.03	31.96	
1 11 1953	1.70	22.90		23 10 1954	1.66	21.81	
3 12 1953	2.06	32.85		26 10 1954	2.14	35.11	
24 1 1954	1.76	24.34		22 11 1954	2.07	33.03	
2 5 1954	1.80	25.56		8 12 1954	2.14	35.30	
17 8 1954	1.71	23.22		11 12 1954	1.76	24.34	
				13 12 1954	1.81	25.89	

338002

CAMCOR AT SYNGEFIELD BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
15 1 1955	1.81	25.89		21 4 1963	1.85	26.72	
1 2 1955	1.95	29.52					
4 2 1955	1.88	27.56		30 10 1963	1.98	30.38	
6 2 1955	2.29	39.78		16 8 1964	1.78	24.83	
1 3 1955	1.68	22.35					
6 6 1955	2.17	36.03		6 10 1964	1.89	28.07	
7 6 1955	1.78	24.99		11 12 1964	2.13	34.84	
				12 12 1964	1.85	26.80	
13 12 1955	2.04	32.14		13 1 1965	1.79	25.32	
13 1 1956	1.92	28.83		16 1 1965	1.81	25.65	
25 1 1956	1.77	24.75		21 6 1965	1.69	22.67	
12 8 1956	1.88	27.64					
6 9 1956	1.77	24.75		17 11 1965	1.91	28.49	
				9 12 1965	1.75	24.10	
27 12 1956	1.82	25.98		10 4 1966	1.78	24.91	
30 12 1956	1.92	28.66		12 6 1966	1.96	30.04	
23 1 1957	1.84	26.47		4 9 1966	1.77	24.67	
19 3 1957	1.67	22.20					
25 3 1957	1.83	26.31		6 10 1966	2.08	33.39	
				13 10 1966	1.67	22.12	
29 10 1957	1.79	25.15		22 2 1967	1.67	22.12	
24 9 1958	1.90	28.15		27 2 1967	1.95	29.52	
				27 9 1967	1.82	26.14	
18 12 1958	1.66	21.89					
				6 10 1967	1.93	29.17	
14 9 1960	2.08	33.48		16 10 1967	1.82	25.98	
18 9 1960	1.66	21.89		1 11 1967	1.82	26.06	
				1 11 1967	1.68	22.28	
1 11 1960	1.75	24.10		8 1 1968	1.98	30.38	
11 11 1960	1.67	22.12		16 1 1968	1.68	22.35	
24 11 1960	1.99	30.73					
3 12 1960	2.17	36.12		12 11 1968	1.88	27.73	
5 1 1961	1.91	28.40		13 12 1968	2.02	31.61	
18 1 1961	1.82	26.14		24 12 1968	2.38	42.58	
5 2 1961	1.70	22.90		9 1 1969	1.79	25.15	
22 4 1961	1.79	25.15		10 1 1969	1.87	27.39	
12 7 1961	1.96	29.95		20 1 1969	2.11	34.38	
14 7 1961	1.68	22.43		21 1 1969	1.82	26.14	
29 9 1962	1.71	23.22		24 1 1970	1.74	23.94	
				25 4 1970	1.95	29.52	
5 11 1962	1.88	27.81		16 5 1970	1.86	27.14	
8 12 1962	1.85	26.97		15 8 1970	1.73	23.70	
14 2 1963	1.74	24.02					

338003

LITTLE BROSNA AT MILLTOWN BRIDGE

GRID REF IS068908 AREA 115. SQ. KM OPW THRESHOLD 6.51 GRADE A1
 PERIOD OF RECORD 30 9 1953 TO 30 9 1969 CUMECS
 SIGNIFICANT GAPS
 23 10 1954 TO 26 10 1954 18 9 1965 TO 18 10 1965

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
3 12 1953	1.74	3.14		8 11 1956	1.75	8.17	
25 1 1954	1.75	3.20		25 12 1956	1.84	9.04	
2 5 1954	2.02	10.79		27 12 1956	1.98	10.40	
				30 12 1956	2.02	10.79	
26 10 1954	1.63	7.15		23 1 1957	1.95	10.13	
22 11 1954	1.73	8.03		27 1 1957	1.59	6.76	
27 11 1954	1.88	9.39		3 2 1957	1.76	8.31	
29 11 1954	1.82	8.87		7 2 1957	1.61	6.97	
8 12 1954	1.99	10.49		19 3 1957	1.64	7.23	
12 12 1954	1.65	7.33		25 3 1957	1.79	8.59	
1 2 1955	1.58	6.71					
3 2 1955	1.79	8.53		2 1 1958	1.71	7.87	
4 2 1955	1.85	9.15		25 1 1958	1.57	6.66	
6 2 1955	1.81	8.70		28 1 1958	1.73	8.00	
				10 2 1958	1.72	7.92	
26 1 1956	1.70	7.76		15 2 1958	1.67	7.44	
12 8 1956	1.71	7.87		24 2 1958	1.78	8.42	
6 9 1956	2.14	11.99		3 9 1958	1.73	7.98	
26 9 1956	1.86	9.24					
				20 12 1958	1.96	10.16	
				1 1 1959	1.63	7.10	

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LITTLE BROOK AT HILLTOWN BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 1 1959	1.65	7.31		19 3 1964	1.70	7.73	
26 4 1959	1.61	6.94					
26 12 1959	2.03	10.92		8 12 1964	1.68	7.55	
31 12 1959	1.72	7.95		14 12 1964	2.03	10.92	
20 1 1960	1.59	6.79		16 12 1964	1.65	7.31	
31 1 1960	1.59	6.76		18 1 1965	1.92	9.74	
14 9 1960	1.82	8.87		20 1 1965	1.76	8.28	
19 9 1960	1.72	7.90		2 5 1965	1.57	6.61	
				9 5 1965	1.70	7.71	
1 11 1960	1.72	7.92		21 6 1965	1.71	7.81	
11 11 1960	1.63	7.18		21 7 1965	1.65	7.28	
14 11 1960	1.56	6.54		25 7 1965	1.85	9.10	
4 12 1960	2.09	11.51		4 8 1965	1.61	6.97	
11 12 1960	1.62	7.05		17 9 1965	1.81	8.78	
26 12 1960	1.63	7.10					
5 1 1961	1.81	8.70		9 12 1965	1.60	6.92	
18 1 1961	1.85	9.13					
6 2 1961	1.83	8.90		6 10 1966	1.69	7.68	
14 7 1961	1.56	6.59		13 10 1966	1.65	7.28	
				22 2 1967	1.81	8.73	
11 12 1961	1.49	5.94		28 2 1967	1.90	9.62	
5 11 1962	1.95	10.07		2 11 1967	1.57	6.66	
8 12 1962	1.58	6.69		8 1 1968	1.65	7.31	
5 2 1963	1.70	7.71		16 1 1968	1.61	6.97	
7 2 1963	1.63	7.12					
18 4 1963	1.70	7.76		14 12 1968	1.97	10.28	
				25 12 1968	2.17	12.38	
30 10 1963	1.82	8.81		10 1 1969	1.81	8.73	
				21 1 1969	1.92	9.80	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
1953-1954

339001

MAIGUE AT CROOM BRIDGE

GRID REF IR515410 AREA 771. SQ.KM OPW GRADE B
 PERIOD OF RECORD 25 11 1953 TO 30 9 1970 THRESHOLD 60.89 CUMECs
 SIGNIFICANT GAPS
 3 11 1958 TO 10 11 1958 24 11 1960 TO 28 11 1960

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
3 12 1953	1.74	72.56		20 12 1959	1.70	69.28	
25 1 1954	1.86	81.30		29 12 1959	1.78	75.44	
26 2 1954	2.03	94.18		1 1 1960	1.90	84.06	
				4 1 1960	1.73	71.68	
30 11 1954	1.71	69.93		14 9 1960	1.75	73.00	
8 12 1954	1.67	67.34		19 9 1960	1.81	77.00	
1 1 1955	1.90	84.29					
10 1 1955	1.67	67.13		2 10 1960	1.99	91.08	
1 3 1955	1.74	72.34		2 11 1960	1.79	75.66	
7 6 1955	1.66	66.70		23 11 1960	1.63	64.15	
				4 12 1960	2.21	108.68	
11 12 1955	1.75	72.78		28 12 1960	1.74	71.90	
14 12 1955	1.62	63.52		19 1 1961	1.73	71.24	
20 3 1956	1.84	79.71		25 1 1961	1.71	70.15	
25 3 1956	1.60	62.26		2 2 1961	1.93	86.61	
26 9 1956	1.86	81.07		6 2 1961	1.81	77.00	
25 12 1956	1.85	79.93		16 1 1962	1.76	73.44	
31 12 1956	2.24	111.20		16 3 1962	1.68	67.99	
25 9 1957	1.88	82.22					
				5 11 1962	1.76	73.88	
30 10 1957	1.58	61.01		8 12 1962	1.61	63.10	
2 1 1958	1.61	63.10		9 2 1963	1.83	78.80	
10 1 1958	1.65	65.85					
25 1 1958	1.65	65.85		31 10 1963	1.67	67.34	
28 1 1958	1.71	70.15		25 11 1963	1.71	70.15	
10 2 1958	1.85	80.62		19 3 1964	1.92	85.68	
3 9 1958	1.59	61.84		18 8 1964	1.66	66.49	
19 12 1958	1.84	79.25		9 10 1964	1.63	64.36	
6 1 1959	1.81	77.00		9 12 1964	1.64	65.42	
				13 12 1964	2.24	111.45	
8 12 1959	2.23	110.19		16 12 1964	1.85	80.62	

339001

MADGUE AT CROOM BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
16 1 1965	2.12	100.97					
20 1 1965	1.81	77.00		6 10 1967	1.63	64.79	
3 5 1965	1.75	72.78		17 10 1967	1.76	73.66	
				31 10 1967	1.65	65.64	
17 11 1965	1.88	82.68		9 1 1968	1.73	71.68	
29 11 1965	1.70	69.07		23 3 1968	1.63	64.57	
3 12 1965	1.65	65.64					
9 12 1965	2.14	103.19		7 11 1968	2.15	103.93	
12 12 1965	1.92	85.68		22 11 1968	1.58	61.22	
17 12 1965	1.88	82.90		13 12 1968	2.49	132.88	
10 1 1966	1.76	73.88		17 12 1968	1.91	84.52	
26 1 1966	1.82	73.12		24 12 1968	2.42	126.22	
29 1 1966	1.62	63.73		10 1 1969	2.59	141.58	
2 2 1966	1.84	70.48		17 1 1969	2.05	95.38	
4 2 1966	1.77	74.32		20 1 1969	2.14	102.70	
9 4 1966	1.92	85.91		24 1 1969	1.63	64.36	
16 4 1966	1.73	71.68					
				10 1 1970	1.65	74.85	
23 2 1967	1.99	91.08		17 2 1970	1.69	77.57	
27 2 1967	1.73	71.68		21 2 1970	1.72	80.10	

339003

LOOBAGH AT GAROOSE BRIDGE

GRID REF IR551277 AREA 130 SQ. KM OPW THRESHOLD 16.05 GRADE A1
 PERIOD OF RECORD 1 10 1956 TO 30 9 1970
 SIGNIFICANT GAPS 17 12 1955 TO 20 12 1965 4 5 1970 TO 26 5 1970

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
8 11 1956	2.10	17.10		14 2 1963	2.05	17.42	
25 12 1956	2.83	23.49		8 3 1963	2.71	19.56	
28 12 1956	2.40	22.18					
30 12 1956	2.77	27.55		31 10 1963	2.10	17.98	
31 12 1956	2.83	23.49		11 11 1963	2.10	18.10	
23 1 1957	2.13	13.50		11 12 1963	2.31	20.90	
4 2 1957	2.10	13.02		18 3 1964	2.59	24.82	
7 2 1957	1.98	16.44		19 3 1964	2.68	26.26	
25 9 1957	2.72	26.81		17 9 1964	2.47	23.18	
25 1 1958	2.22	10.64		16 1 1965	2.05	17.42	
27 1 1958	2.06	17.54					
10 2 1958	2.52	23.84		16 11 1965	2.44	22.70	
15 7 1958	2.09	17.94		9 12 1965	2.36	21.62	
27 8 1958	2.34	21.32		17 1 1966	2.32	20.98	
3 9 1958	2.59	24.82		26 1 1966	2.13	18.38	
				2 2 1966	2.01	16.83	
19 12 1958	2.52	23.92		10 4 1966	2.20	19.31	
13 4 1959	1.98	16.52					
10 5 1959	2.16	13.82		14 10 1966	1.98	16.44	
				18 10 1966	1.99	16.63	
8 12 1959	2.72	26.77		23 2 1967	2.25	20.06	
10 12 1959	2.40	22.18					
25 12 1959	1.95	16.09		17 10 1967	2.72	19.64	
1 1 1960	2.07	17.62		23 3 1968	2.01	16.83	
14 9 1960	2.59	24.82					
19 9 1960	2.14	13.62		10 11 1968	2.01	16.83	
				13 12 1968	2.78	27.74	
1 10 1960	2.44	22.74		15 12 1968	2.29	20.60	
21 11 1960	2.06	17.50		23 12 1968	2.49	23.48	
4 12 1960	2.71	26.63		10 1 1969	2.98	30.88	
18 1 1961	2.36	21.53		12 1 1969	2.03	17.14	
25 1 1961	2.16	13.82		17 1 1969	2.63	25.40	
				21 1 1969	2.60	25.04	
10 12 1961	1.95	16.05		22 1 1969	2.35	21.45	
16 1 1962	2.09	17.94					
15 3 1962	2.65	25.72		18 1 1970	2.25	20.06	
19 5 1962	2.04	17.22		19 1 1970	2.36	21.53	
				23 1 1970	1.98	16.44	
5 11 1962	2.31	20.85		17 2 1970	2.12	18.34	
8 12 1962	2.10	13.02		21 2 1970	2.14	18.54	
9 2 1963	2.22	19.64					

339005

MORNING STAR AT ATHLACCA BRIDGE

GRID REF IR558343 AREA 147. SQ. KM
 PERIOD OF RECORD 24 10 1953 TO 30 9 1970

OPW THRESHOLD 13.50 CUMECs GRADE A1

SIGNIFICANT GAPS

23 10 1954 TO 30 10 1954 29 1 1955 TO 5 2 1955 26 12 1955 TO 27 12 1955
 23 1 1956 TO 30 1 1956 18 1 1960 TO 8 2 1960 5 11 1962 TO 7 11 1962
 15 3 1965 TO 22 3 1965

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 1 1954	1.40	13.88		16 12 1964	1.14	15.80	
13 2 1954	1.33	16.44		13 1 1965	1.12	15.42	
27 2 1954	1.43	10.96		17 1 1965	1.40	25.08	
3 3 1954	1.36	17.43		20 1 1965	1.18	17.37	
				20 3 1965	1.08	14.03	
30 11 1954	1.29	15.22		3 5 1965	1.31	21.61	
8 12 1954	1.28	14.94		25 5 1965	1.12	15.23	
1 1 1955	1.40	10.77		20 7 1965	1.12	15.42	
11 1 1955	1.33	16.44					
2 3 1955	1.34	16.84		17 11 1965	1.25	10.75	
				10 12 1965	1.39	24.84	
25 3 1956	1.25	13.96		13 12 1965	1.14	16.09	
				15 12 1965	1.16	16.58	
25 12 1956	1.25	13.96		17 12 1965	1.17	16.77	
28 12 1956	1.24	13.79		11 1 1966	1.08	14.12	
1 1 1957	1.40	10.77		26 1 1966	1.24	19.43	
				30 1 1966	1.13	15.61	
28 1 1958	1.29	15.22		2 2 1966	1.22	18.70	
11 2 1958	1.27	14.58		5 2 1966	1.21	18.39	
28 8 1958	1.28	14.76		10 4 1966	1.36	23.66	
3 9 1958	1.33	16.54		16 4 1966	1.24	16.11	
				23 4 1966	1.09	14.49	
19 12 1958	1.37	17.64					
2 1 1959	1.25	14.05		8 10 1966	1.13	15.61	
7 1 1959	1.31	15.78		14 10 1966	1.14	16.09	
				18 10 1966	1.12	15.42	
7 12 1959	1.36	17.33		23 2 1967	1.41	25.44	
1 1 1960	1.28	14.76		28 2 1967	1.24	19.43	
15 9 1960	1.31	15.68					
20 9 1960	1.32	16.25		7 10 1967	1.09	14.49	
				18 10 1967	1.24	19.11	
2 10 1960	1.31	15.87		31 10 1967	1.14	16.09	
21 11 1960	1.24	13.79		9 1 1968	1.22	18.70	
4 12 1960	1.46	20.97		24 3 1968	1.22	18.70	
19 1 1961	1.42	19.52					
6 2 1961	1.24	13.87		3 11 1968	1.31	21.83	
				11 11 1968	1.10	14.67	
16 3 1962	1.24	13.87		22 11 1968	1.07	13.76	
				15 12 1968	1.49	28.81	
9 2 1963	1.34	16.64		25 12 1968	1.46	27.67	
				10 1 1969	1.49	28.68	
31 10 1963	1.24	13.70		13 1 1969	1.24	19.43	
12 12 1963	1.19	17.47		18 1 1969	1.37	23.89	
23 2 1964	1.13	15.61		21 1 1969	1.44	26.91	
20 3 1964	1.36	23.66		24 1 1969	1.09	14.31	
24 3 1964	1.06	13.59					
18 8 1964	1.12	15.33		20 1 1970	1.30	21.38	
				23 1 1970	1.08	14.22	
10 10 1964	1.19	17.47		10 2 1970	1.11	14.95	
9 12 1964	1.14	16.09		17 2 1970	1.21	18.39	
13 12 1964	1.46	27.54		21 2 1970	1.22	18.59	

340003 MAINE AT RIVERVILLE BR POST DRAINAGE

GRID REF 1Q926061		AREA 271. SQ. KM		OPW	GRADE B		
PERIOD OF RECORD 1 10 1962 TO 30 9 1970				THRESHOLD 59.50			
SIGNIFICANT GAPS							
21 11 1965 TO 24 1 1966		1 3 1966 TO 9 3 1966		1 10 1968 TO 22 9 1969			
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
8 12 1962	2.58	103.98		15 12 1966	2.13	68.24	
10 5 1964	2.58	103.98		28 12 1966	2.03	60.64	
9 10 1964	2.23	75.07		25 1 1967	2.09	64.93	
13 11 1964	2.12	67.13		22 2 1967	2.96	140.14	
7 12 1964	2.16	70.48		27 2 1967	2.18	71.62	
8 12 1964	2.50	97.33		7 3 1967	2.03	60.64	
12 12 1964	3.15	160.85		6 10 1967	2.45	93.44	
15 12 1964	2.16	70.48		30 10 1967	2.19	72.76	
7 1 1965	2.24	76.24		6 11 1967	2.06	62.77	
13 1 1965	2.27	78.60		22 12 1967	2.13	68.24	
15 1 1965	2.50	97.33		8 1 1968	2.26	77.42	
19 1 1965	2.04	61.70		2 12 1969	2.18	71.62	
9 11 1965	2.21	73.91		13 12 1969	2.39	88.37	
15 11 1965	2.35	84.64		18 12 1969	2.47	94.73	
29 1 1966	2.16	70.48		19 1 1970	2.01	59.59	
24 2 1966	2.04	61.70		20 1 1970	2.38	87.12	
9 4 1966	2.26	77.42		22 1 1970	2.07	63.85	
4 9 1966	2.01	50.50		16 2 1970	2.32	82.20	
10 12 1966	2.23	75.07		20 2 1970	2.39	88.37	
RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM 1968-1969							
				21 4 1970	2.55	101.29	
				22 4 1970	2.09	64.93	

340903 MAINE AT RIVERVILLE BR PRE-DRAINAGE

GRID REF 1Q926061		AREA 271. SQ. KM		OPW	GRADE B		
PERIOD OF RECORD 1 10 1947 TO 30 9 1959				THRESHOLD 69.30	CUMEC'S		
SIGNIFICANT GAPS							
15 1 1948 TO 17 1 1948		6 12 1949 TO 9 12 1949		1 9 1953 TO 18 10 1953			
28 2 1955 TO 1 3 1955							
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
22 11 1947	2.20	70.60		10 1 1948	2.59	109.87	
2 12 1947	2.51	107.42		13 1 1948	2.19	78.49	
26 12 1947	2.07	60.91		1 2 1948	2.40	94.73	
31 12 1947	2.36	91.12		13 10 1948	2.10	72.01	
3 1 1948	2.88	136.10		27 10 1948	2.33	88.75	
4 1 1948	2.60	110.23					

340903

MAINE AT RIVERVILLE BR PRE-DRAINAGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
15 11 1948	2.08	70.95		1 1 1952	2.59	109.87	
1 12 1948	2.65	115.18		10 1 1952	2.57	108.57	
5 12 1948	3.03	151.18		4 11 1952	2.77	126.16	
6 12 1948	2.49	107.16		18 11 1952	2.28	85.26	
11 12 1948	2.66	116.52		29 8 1953	3.03	105.91	
26 12 1948	2.49	107.16		21 10 1953	2.46	71.81	
30 12 1948	2.13	74.14		3 12 1953	2.46	71.81	
25 10 1949	2.57	106.57		24 1 1954	2.83	93.22	
18 12 1949	2.34	89.93		23 10 1954	2.59	78.66	
9 2 1950	2.60	111.19		26 10 1954	2.42	69.32	
10 2 1950	2.19	73.49		20 11 1954	2.63	81.30	
16 9 1950	2.43	97.17		7 12 1954	2.43	70.15	
2 11 1950	2.22	80.72		6 2 1955	2.42	69.32	
12 11 1950	2.10	72.01		25 3 1956	2.34	65.26	
18 11 1950	2.13	74.14		31 12 1956	2.63	81.30	
19 11 1950	2.13	74.14		22 1 1957	2.93	100.94	
10 1 1951	2.71	120.60		25 1 1957	2.59	78.66	
30 1 1951	2.74	123.37		29 10 1957	2.43	70.15	
4 2 1951	2.66	116.52		24 1 1958	2.94	99.96	
23 3 1951	2.42	95.95		23 5 1958	2.62	80.41	
5 11 1951	2.77	126.16		5 11 1958	2.56	76.92	
14 11 1951	2.16	76.30		4 1 1959	2.56	76.92	
8 12 1951	2.52	104.70					
19 12 1951	2.65	115.18					
21 12 1951	2.11	73.07					
27 12 1951	2.48	100.90					

343002

MOY AT COULCRONAN HOUSE

GRID REF IG263104 AREA 1866. SQ. KM OPW THRESHOLD 67.90 GRADE A2
 PERIOD OF RECORD 27 10 1951 TO 30 9 1963 CUMECS
 SIGNIFICANT GAPS 31 1 1953 TO 7 2 1953 28 3 1953 TO 2 5 1953

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
11 1 1952	2.21	125.48		12 1 1958	2.14	120.40	
2 2 1952	1.93	105.92		27 1 1958	2.23	127.04	
5 11 1952	1.59	87.47		17 2 1958	2.11	118.43	
29 12 1952	1.73	92.15		27 3 1958	1.41	70.98	
2 9 1953	1.51	77.35		9 9 1958	1.60	83.07	
1 10 1953	1.42	71.75		14 10 1958	1.83	98.97	
16 11 1953	2.22	126.37		3 1 1959	2.12	119.30	
26 1 1954	1.99	109.55		22 1 1959	1.92	104.65	
8 3 1954	2.15	121.50		12 10 1959	1.51	77.55	
6 4 1954	2.01	111.48		29 10 1959	1.56	80.69	
27 7 1954	1.40	70.79		30 12 1959	2.99	177.77	
20 10 1954	2.75	166.40		4 2 1960	2.27	130.17	
14 11 1954	2.17	122.38		3 3 1960	1.74	92.56	
3 12 1954	2.71	163.77		19 3 1960	1.36	67.95	
23 1 1955	2.00	110.40		13 4 1960	1.59	82.87	
2 3 1955	2.42	141.30		20 9 1960	1.52	78.13	
4 7 1955	1.74	97.77		5 11 1960	1.64	86.07	
21 10 1955	1.42	71.94		4 1 1961	2.32	133.78	
29 12 1955	1.70	90.11		6 2 1961	2.44	142.44	
30 1 1956	1.66	87.48		28 2 1961	1.81	97.51	
20 8 1956	1.41	70.98		15 7 1961	1.42	71.94	
17 10 1956	1.52	73.33		25 10 1961	1.88	102.53	
6 1 1957	2.56	151.95		12 12 1961	2.43	142.21	
2 2 1957	2.63	157.12		18 1 1962	2.22	126.37	
25 2 1957	1.88	102.53		10 4 1962	1.92	78.13	
25 3 1957	1.87	101.60		13 9 1962	1.78	95.03	
18 9 1957	1.61	84.27		1 10 1962	1.37	68.51	
23 9 1957	1.51	77.74		6 11 1962	1.58	82.27	
3 11 1957	1.81	97.31		24 11 1962	1.53	78.72	
19 11 1957	1.30	69.84		16 12 1962	1.80	96.68	

343005 GWESTION AT SCARROWAGEERAGH BRIDGE

GRID REF IM340976 AREA 319. SQ.KM OPW THRESHOLD 23.50 GRADE C
 PERIOD OF RECORD 1 10 1952 TO 30 9 1965 CUMECS
 SIGNIFICANT GAPS 5 1 1958 TO 27 4 1958 25 10 1959 TO 1 11 1959

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
31 8 1953	1.03	22.68		2 1 1959	1.05	23.50	
12 11 1953	1.13	27.01		21 1 1959	1.10	26.01	
15 11 1953	1.10	25.73		11 10 1959	1.15	28.16	
6 3 1954	1.08	24.75		27 12 1959	1.34	37.42	
22 3 1954	1.15	28.31		22 1 1960	1.14	27.87	
10 9 1954	1.10	25.87		3 2 1960	1.14	27.87	
17 10 1954	1.55	49.14		12 4 1960	1.12	26.58	
26 10 1954	1.28	34.76		13 7 1960	1.09	25.17	
10 11 1954	1.07	24.47		25 8 1960	1.06	24.05	
28 11 1954	1.19	29.92		3 11 1960	1.07	24.61	
9 12 1954	1.22	31.71		12 11 1960	1.22	31.71	
14 12 1954	1.15	28.31		16 11 1960	1.09	25.45	
21 1 1955	1.18	29.77		5 12 1960	1.17	29.33	
1 3 1955	1.41	41.43		2 1 1961	1.16	28.75	
16 6 1955	1.12	26.58		21 1 1961	1.06	23.92	
2 7 1955	1.21	31.26		4 2 1961	1.10	25.59	
9 12 1955	1.06	23.78		14 7 1961	1.25	33.22	
10 12 1956	1.11	26.15		14 9 1961	1.14	27.87	
14 12 1956	1.09	25.45		24 10 1961	1.23	32.16	
27 12 1956	1.14	27.58		27 10 1961	1.12	26.87	
31 12 1956	1.24	32.77		30 11 1961	1.15	28.02	
4 1 1957	1.14	27.44		4 12 1961	1.41	41.11	
23 1 1957	1.15	28.16		10 12 1961	1.26	33.53	
28 1 1957	1.28	34.60		16 1 1962	1.23	31.86	
31 1 1957	1.22	31.41		5 11 1962	1.19	29.92	
23 3 1957	1.15	28.31		9 12 1962	1.12	26.72	
25 10 1957	1.22	31.71		18 11 1963	1.10	25.59	
25 1 1958	1.29	34.91		24 11 1963	1.13	27.30	
10 2 1958	1.21	30.96		7 10 1964	1.14	27.87	
13 8 1958	1.10	25.87		15 10 1964	1.15	28.31	
13 10 1958	1.21	30.81		10 12 1964	1.14	27.87	
12 12 1958	1.14	27.58		11 12 1964	1.17	29.18	
14 12 1958	1.08	24.89		13 1 1965	1.09	25.45	

343007 DEEL AT BALLYCARROON FORD

GRID REF IG121162 AREA 161.0 SQ.KM OPW THRESHOLD 49.28 GRADE B
 PERIOD OF RECORD 1 10 1952 TO 30 9 1970 CUMECS
 SIGNIFICANT GAPS 27 8 1962 TO 6 9 1962 8 11 1963 TO 14 11 1963 22 10 1965 TO 2 11 1965

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 9 1953	1.34	54.85		10 4 1955	1.52	72.72	
1 11 1953	1.34	55.41		4 6 1955	1.49	69.83	
12 11 1953	1.79	104.30		3 7 1955	1.35	55.69	
15 11 1953	1.55	76.32		25 3 1956	1.32	53.44	
2 12 1953	1.55	76.32		9 5 1956	1.40	61.22	
25 1 1954	2.16	156.58		8 7 1956	1.57	78.32	
2 3 1954	1.30	51.51		17 10 1956	1.70	93.77	
22 3 1954	1.45	66.07		30 12 1956	1.40	60.63	
29 3 1954	1.49	70.47		16 9 1957	1.61	83.09	
28 7 1954	1.59	80.69		26 10 1957	1.40	60.63	
6 9 1954	1.43	63.93		8 12 1957	1.45	65.77	
14 10 1954	1.36	57.12		31 12 1957	1.31	52.61	
18 10 1954	2.24	168.56		25 1 1958	2.31	180.97	
26 10 1954	1.41	61.52		11 2 1958	2.04	138.30	
30 11 1954	1.55	76.32		13 10 1958	1.76	101.24	
3 12 1954	1.39	60.04		23 11 1959	1.38	59.16	
21 1 1955	1.39	60.04					
26 1 1955	1.63	84.83					
1 3 1955	2.21	164.20					

343007

DEEL AT BALLYCARROON FORD

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 1 1960	1.59	80.35		18 9 1965	1.45	66.07	
11 11 1960	1.63	84.83		6 10 1965	1.92	121.13	
25 12 1960	1.46	66.69		19 11 1965	1.44	64.54	
7 5 1961	1.31	52.06		25 11 1965	1.46	67.32	
12 7 1961	1.47	68.25		9 12 1965	1.51	72.07	
14 7 1961	1.64	86.58		29 1 1966	1.29	50.69	
16 9 1961	1.37	56.28		2 3 1966	1.35	56.55	
				4 9 1966	1.32	53.72	
23 10 1961	2.34	185.04		1 12 1966	1.45	65.46	
30 11 1961	1.85	112.97		10 12 1966	1.71	94.50	
4 12 1961	1.49	70.15		15 12 1966	1.48	68.88	
11 12 1961	1.30	51.51		7 3 1967	1.34	54.85	
15 1 1962	1.34	55.41		8 3 1967	1.30	51.24	
12 9 1962	1.50	71.43					
5 11 1962	1.28	50.15		9 10 1967	1.42	62.42	
18 11 1963	1.36	57.12		31 1 1968	1.49	69.83	
23 11 1963	1.31	52.06		4 2 1968	1.39	60.04	
3 1 1964	1.88	116.20		1 10 1968	1.59	80.69	
13 9 1964	1.28	46.88		2 11 1968	2.20	162.75	
23 9 1964	1.57	78.66		24 12 1968	1.64	86.58	
				13 1 1969	1.43	64.23	
7 10 1964	1.59	80.35					
15 10 1964	1.30	51.24		8 10 1969	1.31	52.06	
19 11 1964	1.42	63.02		3 12 1969	1.41	61.82	
8 12 1964	1.43	63.63		21 1 1970	1.34	54.85	
12 12 1964	1.82	108.20		21 2 1970	1.85	112.97	
9 1 1965	2.22	165.64		16 8 1970	2.21	164.20	
10 1 1965	1.70	93.77		10 9 1970	1.50	71.43	
18 1 1965	1.34	55.13		15 9 1970	1.51	72.39	
25 6 1965	1.33	54.00					

343010

MOY AT CLOONACANNANA BRIDGE

GRID REF IG389023 AREA 486. SQ. KM OPW THRESHOLD 69.00 GRADE A2
 PERIOD OF RECORD 1 10 1954 TO 30 9 1967 CUMECS
 SIGNIFICANT GAPS 10 7 1955 TO 17 9 1955 26 10 1958 TO 11 11 1958

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
14 10 1954	2.25	78.61		21 1 1959	2.16	73.98	
16 10 1954	2.17	74.44					
19 10 1954	3.45	143.30		11 10 1959	2.79	106.93	
27 10 1954	2.68	100.88		15 11 1959	2.59	96.02	
27 11 1954	2.88	111.72		27 12 1959	2.20	76.13	
30 11 1954	2.22	77.06		22 1 1960	2.39	85.97	
2 12 1954	2.13	72.45		31 1 1960	2.07	69.40	
22 1 1955	3.07	122.42		19 9 1960	2.13	72.45	
1 3 1955	3.65	155.20					
9 7 1955	2.49	91.21		4 11 1960	2.23	77.37	
				11 11 1960	2.32	82.04	
18 10 1955	2.10	75.52		1 1 1961	2.13	72.45	
17 8 1956	2.13	72.45		14 7 1961	2.17	74.44	
				17 9 1961	2.34	83.29	
11 12 1956	2.07	69.40					
25 12 1956	2.07	69.40		23 10 1961	2.64	98.93	
28 12 1956	2.36	84.24		30 11 1961	2.35	83.61	
1 1 1957	2.36	84.08		5 12 1961	3.13	125.80	
29 1 1957	2.37	84.87		11 12 1961	2.46	89.61	
1 2 1957	2.13	72.45		16 1 1962	2.46	89.61	
24 3 1957	2.46	89.61		3 4 1962	2.14	72.91	
17 9 1957	2.67	100.23		12 9 1962	2.51	92.17	
26 10 1957	2.28	80.17		6 11 1962	2.17	74.44	
10 1 1958	2.11	71.68		9 12 1962	2.19	75.52	
26 1 1958	3.10	124.11		8 5 1963	2.21	76.60	
11 2 1958	2.63	98.44					
8 9 1958	2.07	69.71		31 10 1963	2.54	93.77	
				18 11 1963	2.37	84.87	
13 10 1958	2.31	81.73		24 11 1963	2.17	74.75	
12 12 1958	2.52	92.33					
19 12 1958	2.26	78.92		7 10 1964	2.50	91.53	

343010 MOY AT CLOONACANNANA BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
16 10 1964	3.38	130.49		25 4 1965	2.36	84.08	
21 3 1965	2.22	77.06		6 5 1965	3.56	149.93	
22 3 1965	2.54	93.77		9 5 1965	2.07	69.40	
25 3 1965	3.04	120.73		15 6 1965	4.23	189.35	
27 3 1965	3.04	120.73		25 6 1965	3.82	164.78	
9 4 1965	2.68	100.88					
12 4 1965	2.21	76.44		1 12 1966	1.92	61.90	
14 4 1965	3.63	154.15					

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM 1965-1966

343013 MOY AT BANADA BRIDGE

GRID REF	IG465101	AREA	183.0 SQ. KM	OPW	GRADE	B
PERIOD OF RECORD	1 10 1952 TO	1 10 1965		THRESHOLD	42.50	CUMECs
SIGNIFICANT GAPS						
18 6 1955 TO	26 6 1955	18 12 1956 TO	30 12 1956	17 3 1957 TO	24 3 1957	
25 8 1957 TO	15 9 1957	20 10 1957 TO	2 11 1957	11 10 1958 TO	21 10 1958	
12 10 1959 TO	1 11 1959	26 11 1959 TO	19 2 1960	7 7 1960 TO	14 7 1960	
29 11 1960 TO	18 12 1960	2 1 1961 TO	5 2 1961	6 12 1964 TO	12 12 1964	

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 11 1952	1.53	47.34		11 10 1959	2.24	97.31	
15 12 1952	1.52	46.63		25 11 1959	1.94	74.09	
18 12 1952	1.55	43.43					
				7 11 1960	1.58	50.27	
2 11 1953	1.87	63.92		11 11 1960	1.52	46.63	
12 11 1953	1.64	54.02		14 7 1961	1.52	46.63	
25 1 1954	2.01	73.96		16 9 1961	1.76	61.48	
22 3 1954	1.57	49.90					
30 3 1954	1.46	43.10		26 10 1961	2.10	85.82	
5 4 1954	1.45	42.59		30 11 1961	1.80	64.33	
28 7 1954	1.52	46.63		5 12 1961	2.37	107.86	
9 9 1954	1.46	43.10		12 12 1961	1.76	61.88	
				16 1 1962	1.76	61.88	
14 10 1954	1.68	56.33		2 4 1962	1.53	46.98	
18 10 1954	2.43	113.05		26 8 1962	1.65	54.41	
27 10 1954	2.03	80.32		10 9 1962	1.52	46.63	
25 11 1954	1.46	43.45		12 9 1962	1.81	65.36	
27 11 1954	2.18	91.97		30 9 1962	1.46	43.10	
30 11 1954	1.56	40.16					
2 12 1954	1.57	40.71		5 11 1962	1.58	50.27	
14 12 1954	1.51	46.27		8 12 1962	1.47	43.80	
22 1 1955	2.35	106.33		8 5 1963	1.70	57.90	
1 3 1955	2.87	152.87					
10 4 1955	1.46	43.45		31 10 1963	1.79	63.92	
7 6 1955	1.58	50.27		18 11 1963	1.67	55.95	
3 7 1955	2.10	85.82		24 11 1963	1.52	46.63	
				22 9 1964	1.47	43.97	
17 8 1956	1.40	39.70					
				7 10 1964	1.99	77.84	
11 12 1956	1.55	43.43		16 10 1964	2.74	140.56	
14 12 1956	1.46	43.10		13 12 1964	1.86	68.50	
1 1 1957	1.57	40.71		10 1 1965	1.98	76.73	
29 1 1957	1.64	54.02		2 2 1965	2.04	81.22	
15 9 1957	1.76	61.88		16 6 1965	1.55	48.43	
				5 8 1965	2.25	97.80	
8 9 1958	1.46	43.45		22 8 1965	1.48	44.15	
				10 9 1965	1.64	54.02	
22 10 1958	1.89	70.84		15 9 1965	1.53	47.53	
11 12 1958	1.95	74.53		18 9 1965	1.95	74.53	

344001

MILKEAR AT ANNACOTTY BRIDGE

GRID REF IR644575 AREA 648.0 SQ. KM

PERIOD OF RECORD 1 10 1953 TO 30 9 1970

OPW

GRADE B

THRESHOLD 102.00 CUMECs

SIGNIFICANT GAPS

19 3 1957 TO	24 3 1957	21 10 1957 TO	27 10 1957	22 12 1957 TO	23 12 1957
25 8 1958 TO	29 8 1958	25 1 1960 TO	1 2 1960	13 4 1961 TO	26 4 1961
26 11 1963 TO	11 12 1963	8 5 1965 TO	10 5 1965	22 11 1965 TO	8 12 1965
8 6 1966 TO	12 7 1966				

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 10 1953	2.98	133.93		9 12 1961	2.49	104.37	
3 12 1953	3.23	140.37		2 4 1962	3.00	134.88	
25 1 1954	2.80	122.63		5 11 1962	2.54	107.06	
2 3 1954	2.62	111.58		2 12 1962	2.46	102.58	
23 10 1954	2.95	130.03		4 11 1963	2.86	126.37	
26 10 1954	3.01	133.83		21 11 1963	2.83	124.49	
22 11 1954	2.57	102.86		25 11 1963	2.84	125.43	
13 12 1954	2.56	102.96		19 3 1964	2.51	105.26	
31 12 1954	3.23	140.37		11 5 1964	2.92	106.16	
13 1 1956	2.86	126.37		17 8 1964	3.03	136.79	
21 1 1956	2.77	120.77		7 12 1964	2.86	126.37	
6 9 1956	2.46	102.58		2 12 1964	2.84	125.43	
26 9 1956	2.68	115.23		12 12 1964	3.56	171.27	
25 12 1956	2.80	122.63		7 1 1965	2.71	117.07	
27 12 1956	2.62	111.58		16 1 1965	3.50	167.23	
30 12 1956	2.89	123.25		3 5 1965	2.91	129.19	
31 12 1956	2.71	117.07		16 11 1965	2.57	108.86	
1 1 1957	2.59	102.77		9 12 1965	3.65	177.37	
25 3 1957	2.56	102.96		12 12 1965	3.01	135.83	
24 9 1957	3.23	140.37		17 12 1965	3.30	154.28	
28 10 1957	2.46	102.58		29 1 1966	2.62	111.58	
29 10 1957	3.16	145.47		9 4 1966	2.62	111.58	
10 1 1958	2.46	102.58		16 4 1966	2.74	118.92	
10 2 1958	2.92	130.13		4 9 1966	2.51	105.26	
2 9 1958	3.20	147.42		6 10 1966	2.74	118.92	
23 9 1958	2.89	123.25		13 10 1966	2.46	102.58	
13 10 1958	2.46	102.58		10 12 1966	2.66	114.32	
5 11 1958	2.88	127.30		23 12 1966	2.49	104.37	
6 1 1959	2.68	115.23		22 2 1967	3.13	143.53	
9 12 1959	2.91	120.16		27 2 1967	3.12	142.56	
29 12 1959	2.52	106.16		10 9 1967	2.75	119.84	
14 9 1960	3.20	147.42		6 10 1967	3.47	165.22	
19 9 1960	2.74	118.92		16 10 1967	2.77	120.77	
2 11 1960	2.94	131.08		30 10 1967	2.95	132.03	
24 11 1960	2.84	125.43		8 1 1968	2.95	132.03	
3 12 1960	3.56	171.27		19 3 1968	2.52	106.16	
5 1 1961	2.52	104.16		21 11 1968	2.81	123.56	
18 1 1961	2.86	126.37		13 12 1968	3.21	148.39	
2 2 1961	3.20	147.42		25 12 1968	3.70	180.44	
3 2 1961	2.49	104.37		9 1 1969	3.12	142.56	
5 2 1961	2.59	102.77		20 1 1969	3.20	147.42	
14 7 1961	2.77	120.77		21 1 1969	2.83	124.49	
30 11 1961	2.71	117.07		21 2 1970	3.16	145.47	

344002

KILLEENGARREIFF AT BARRINGTON'S BRIDGE

GRID REF IR679548 AREA 223.0 SQ. KM

PERIOD OF RECORD 1 10 1953 TO 30 9 1970

OPW

GRADE A2

THRESHOLD 41.06 CUMECs

SIGNIFICANT GAPS

19 9 1958 TO 24 9 1958

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 10 1953	2.31	77.47		15 10 1954	1.96	58.63	
14 11 1953	1.62	42.00		23 10 1954	1.98	59.57	
3 12 1953	2.17	60.38		26 10 1954	2.09	65.30	
25 1 1954	1.64	43.11		31 12 1954	2.04	62.57	
5 9 1954	1.73	47.23		13 1 1954	1.96	58.48	

344002

KILLEENGARRIFF AT BARRINGTON'S BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
6 9 1956	1.88	54.33		8 12 1962	1.81	51.18	
26 9 1956	2.01	60.98		7 2 1963	1.64	42.97	
25 12 1956	1.70	45.79		30 10 1963	2.01	60.98	
27 12 1956	1.90	55.40		21 11 1963	2.03	62.25	
30 12 1956	1.80	50.59		25 11 1963	1.86	53.73	
20 3 1957	1.77	49.12		11 5 1964	1.80	50.74	
25 3 1957	1.88	54.79		20 7 1964	1.61	41.58	
24 9 1957	2.34	79.10		17 8 1964	2.27	74.91	
28 10 1957	1.88	54.79		6 10 1964	1.63	42.55	
29 10 1957	2.32	77.81		17 11 1964	1.62	42.27	
10 1 1958	1.71	46.22		7 12 1964	2.03	62.25	
28 1 1958	1.60	41.31		8 12 1964	2.27	75.25	
25 8 1958	2.00	60.67		12 12 1964	2.46	85.86	
8 9 1958	2.28	75.76		7 1 1965	2.09	48.96	
13 10 1958	1.75	43.10		15 1 1965	2.39	57.24	
5 11 1958	1.98	59.73		2 5 1965	1.95	44.90	
6 1 1959	1.68	45.08		8 5 1965	2.21	52.27	
21 9 1959	1.77	48.97		6 12 1965	2.13	50.06	
9 12 1959	2.07	64.49		9 12 1965	2.46	59.21	
29 12 1959	1.63	42.83		10 12 1965	1.84	41.87	
1 9 1960	1.70	45.94		12 12 1965	2.08	48.70	
14 9 1960	2.34	79.19		17 12 1965	2.24	53.21	
18 9 1960	1.97	59.26		27 6 1966	1.84	41.95	
2 11 1960	2.17	69.55		4 9 1966	1.96	45.40	
20 11 1960	1.66	43.81		6 10 1966	2.11	49.55	
23 11 1960	1.98	59.41		9 12 1966	1.95	44.90	
3 12 1960	2.49	89.00		22 2 1967	2.11	49.55	
25 12 1960	1.62	42.14		10 9 1967	2.13	49.97	
5 1 1961	1.72	46.65		6 10 1967	2.45	58.95	
18 1 1961	1.85	52.82		16 10 1967	1.90	43.55	
2 2 1961	2.26	74.40		30 10 1967	2.04	47.43	
14 7 1961	2.16	69.05		21 11 1968	2.32	55.26	
22 10 1961	1.62	42.00		13 12 1968	2.28	54.24	
30 11 1961	1.98	59.41		24 12 1968	2.39	57.24	
15 3 1962	1.87	54.03		9 1 1969	2.22	52.53	
2 4 1962	2.11	66.27		21 2 1970	1.91	43.88	
23 8 1962	1.94	57.70		22 2 1970	2.32	55.35	
5 11 1962	1.64	43.11					

344003

MULKEAR AT ARBINGTON BRIDGE

GRID REF IR717534 AREA 397. SQ.KM
 PERIOD OF RECORD 1 10 1954 TO 30 9 1970

OPW THRESHOLD 52.00 GRADE B CUMEDCS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
23 10 1954	1.87	62.93		9 12 1959	1.86	62.54	
26 10 1954	1.83	61.24		14 9 1960	1.95	66.32	
22 11 1954	1.67	54.64		18 9 1960	1.70	55.52	
31 12 1954	2.05	70.70		1 11 1960	1.81	60.09	
13 1 1956	1.83	61.12		24 11 1960	1.80	59.83	
21 1 1956	1.74	57.16		3 12 1960	2.17	75.96	
25 12 1956	1.71	56.02		18 1 1961	1.75	57.67	
30 12 1956	1.71	56.28		2 2 1961	1.89	63.84	
31 12 1956	1.63	53.02		14 7 1961	1.78	59.19	
19 3 1957	1.74	57.16		30 11 1961	1.85	61.89	
24 9 1957	2.08	71.77		31 11 1961	1.65	53.64	
29 10 1957	1.90	64.23		9 12 1961	1.76	58.30	
10 2 1958	1.84	61.37		15 1 1962	1.70	55.65	
27 8 1958	1.64	53.15		2 4 1962	2.05	70.70	
2 9 1958	1.86	62.28		5 11 1962	1.73	56.78	
23 9 1958	1.64	53.27		8 12 1962	1.74	57.16	
5 11 1958	1.80	59.70		9 2 1963	1.64	53.15	
6 1 1959	1.66	53.89					

344G03

MULKEAR AT ARBINGTON BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 10 1963	2.08	71.90		9 4 1966	1.75	57.67	
4 11 1963	1.63	57.02		16 4 1966	1.80	59.83	
10 11 1963	1.71	56.28					
18 11 1963	1.68	55.02		5 10 1966	1.74	57.29	
21 11 1963	1.94	65.93		13 10 1966	1.62	52.40	
25 11 1963	2.00	62.43		10 12 1966	1.70	55.65	
18 3 1964	1.65	55.52		24 12 1966	1.67	54.27	
19 3 1964	1.93	65.53		22 2 1967	2.07	71.64	
18 4 1964	1.69	55.14		27 2 1967	2.05	70.43	
11 5 1964	1.33	61.12		10 9 1967	1.68	54.77	
17 8 1964	1.91	64.36					
				6 10 1967	2.17	75.83	
9 10 1964	1.68	54.30		16 10 1967	1.64	53.15	
7 12 1964	1.81	60.00		30 10 1967	1.89	63.57	
12 12 1964	2.22	73.20		8 1 1968	2.01	68.96	
16 1 1965	2.19	76.92					
2 3 1965	1.91	64.36		21 11 1968	1.62	52.28	
8 5 1965	1.77	58.56		13 12 1968	1.80	63.70	
				24 12 1968	2.32	82.57	
16 11 1965	1.78	53.81		9 1 1969	1.92	64.75	
1 12 1965	1.87	62.67		17 1 1969	1.61	52.16	
9 12 1965	2.25	79.66		20 1 1969	1.98	67.38	
10 12 1965	1.81	60.47		21 1 1969	1.87	62.80	
12 12 1965	1.86	62.54					
17 12 1965	2.07	71.37		21 2 1970	1.88	63.44	
29 1 1966	1.63	52.65					

344G04

BILBOA AT NEWBRIDGE

GRID REF I4787488 AREA 122. SQ.KM OPW GRADE B
 PERIOD OF RECORD 1 10 1954 TO 30 9 1970 THRESHOLD 24.36 CUMECs
 SIGNIFICANT GAPS
 18 8 1958 TO 10 9 1958 29 10 1958 TO 3 11 1958 30 11 1959 TO 22 2 1960
 11 11 1963 TO 26 11 1963

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
23 10 1954	2.98	50.64		31 8 1960	1.90	26.48	
26 10 1954	2.78	45.95		13 9 1960	3.17	55.04	
28 10 1954	2.13	31.44		17 9 1960	2.11	30.85	
26 11 1954	2.27	34.31		18 9 1960	2.37	36.67	
28 11 1954	2.04	29.40					
29 11 1954	1.83	24.94		31 10 1960	1.95	25.26	
13 12 1954	2.07	30.12		1 11 1960	2.52	40.09	
31 12 1954	3.16	54.97		20 11 1960	1.95	27.45	
9 4 1955	2.07	29.99		24 11 1960	2.72	44.47	
12 5 1955	2.01	28.68		2 12 1960	2.87	48.00	
				3 12 1960	3.78	69.87	
13 1 1956	2.56	40.78		18 1 1961	2.59	41.68	
21 1 1956	2.44	38.17		2 2 1961	2.71	44.33	
25 4 1956	2.32	35.59		3 2 1961	2.17	32.30	
				5 2 1961	1.96	27.64	
19 10 1956	1.83	24.94		20 4 1961	2.05	29.66	
25 12 1956	2.63	42.51		14 7 1961	2.80	46.37	
27 12 1956	2.20	32.97					
30 12 1956	2.13	31.31		22 10 1961	2.08	30.32	
31 12 1956	1.89	26.22		30 11 1961	1.84	25.07	
1 1 1957	2.23	33.50		30 11 1961	2.56	40.99	
19 3 1957	2.43	38.03		10 12 1961	2.07	30.12	
25 3 1957	1.99	28.36		2 4 1962	2.65	42.86	
24 4 1957	3.25	57.01		23 8 1962	2.26	34.11	
28 10 1957	2.04	29.33		8 12 1962	1.70	22.29	
29 10 1957	2.80	48.57					
10 1 1958	1.99	23.29		30 10 1963	2.10	30.65	
10 2 1958	2.62	42.17		16 8 1964	2.43	38.03	
23 4 1958	2.50	39.54					
				12 12 1964	3.12	53.95	
13 10 1958	2.11	30.98		12 12 1964	2.29	34.78	
6 1 1959	2.22	33.37		16 1 1965	2.84	47.43	
20 1 1959	1.95	27.51					
				1 12 1965	2.25	33.97	
26 10 1959	2.01	29.81		9 12 1965	3.11	53.59	
13 11 1959	1.82	24.82		12 12 1965	1.97	25.84	
14 11 1959	1.89	24.22		13 12 1965	1.89	26.22	

344004 BILBOA AT NEWBRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 12 1965	2.51	30.68		24 12 1969	3.07	52.05	
3 9 1966	2.13	31.44		10 1 1960	2.10	30.71	
9 12 1966	1.95	27.45		20 1 1960	2.42	37.62	
22 2 1967	2.19	32.63		21 1 1960	2.22	33.30	
27 2 1967	2.32	35.52		16 2 1970	1.90	26.35	
10 4 1967	1.84	25.07		20 2 1970	2.29	34.78	
6 10 1967	3.09	53.08		21 2 1970	2.51	39.68	
30 10 1967	2.17	32.17		22 2 1970	1.84	25.20	
8 1 1968	2.02	29.01					

344005 DEAD AT SINVILLE BRIDGE

GRID REF IR777477 AREA 193.0 SQ.KM OPW GRADE B
 PERIOD OF RECORD 1 10 1954 TO 30 9 1970 THRESHOLD 19.68 CUMECs
 SIGNIFICANT GAPS
 12 11 1959 TO 13 11 1959 27 7 1964 TO 17 8 1964 24 8 1964 TO 21 9 1964
 29 11 1964 TO 4 1 1965

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
23 10 1954	2.72	24.78		21 11 1963	2.32	19.94	
26 10 1954	2.71	24.70		25 11 1963	2.73	24.93	
22 11 1954	2.45	21.46		17 11 1964	2.39	20.73	
29 11 1954	2.31	10.83		15 1 1965	3.06	29.06	
7 12 1954	2.53	22.42		3 5 1965	2.64	23.80	
12 12 1954	2.47	21.68		21 6 1965	2.59	23.24	
31 12 1954	3.09	20.45		18 9 1965	2.35	20.23	
14 12 1955	2.42	21.10		17 11 1965	2.83	26.19	
13 1 1956	2.77	25.38		29 11 1965	2.31	19.76	
21 1 1956	2.46	21.57		1 12 1965	2.68	24.29	
3 3 1956	2.32	10.90		3 12 1965	2.31	19.83	
26 9 1956	2.33	20.01		9 12 1965	3.14	30.13	
25 12 1956	2.75	25.16		12 12 1965	2.74	25.04	
30 12 1956	2.67	24.14		16 12 1965	2.94	27.54	
31 12 1956	2.68	24.32		25 1 1966	2.48	21.87	
19 3 1957	2.55	22.64		29 1 1966	2.46	21.65	
24 4 1957	3.11	29.69		9 4 1966	2.68	24.32	
29 10 1957	2.93	27.38		15 4 1966	2.74	25.00	
10 2 1958	2.86	26.53		23 4 1966	2.32	19.94	
26 8 1958	2.72	24.78		5 10 1966	2.68	24.29	
2 9 1958	2.89	26.96		7 10 1966	2.43	21.28	
22 9 1958	2.50	22.09		13 10 1966	2.30	22.09	
5 11 1958	2.62	23.50		17 10 1966	2.34	20.19	
19 12 1958	2.43	21.28		10 12 1966	2.35	20.26	
6 1 1959	2.51	22.16		24 12 1966	2.40	20.84	
9 12 1959	2.84	26.30		22 2 1967	2.91	27.11	
13 9 1960	2.99	23.20		27 2 1967	2.93	27.42	
18 9 1960	2.65	23.87		2 9 1967	2.59	23.12	
2 11 1960	2.78	25.54		16 9 1967	2.36	20.37	
20 11 1960	2.31	19.83		6 10 1967	3.11	29.73	
24 11 1960	2.80	25.80		16 10 1967	2.49	22.01	
3 12 1960	3.24	31.44		30 10 1967	2.65	23.95	
18 1 1961	2.83	26.19		4 1 1968	2.37	20.55	
2 2 1961	2.91	27.11		8 1 1968	2.74	25.00	
15 7 1961	2.32	10.90		23 3 1968	2.45	21.46	
15 1 1962	2.37	20.48		13 12 1968	2.49	22.01	
5 11 1962	2.61	23.39		8 1 1969	2.59	23.24	
8 12 1962	2.53	22.42		17 1 1969	2.38	20.70	
6 2 1963	2.49	22.01		20 1 1969	2.63	23.65	
9 2 1963	2.33	20.01		20 2 1970	2.70	24.51	

346003

OLLATRIM AT GOURDEEN BRIDGE

GRID REF IR887797 AREA 117.0 SQ. KM
PERIOD OF RECORD 1 10 1962 TO 30 9 1970OPW THRESHOLD 12.70 GRADE A1
CUMEDCS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 11 1962	1.68	23.15		5 10 1966	1.60	21.06	
6 2 1963	1.50	12.68		13 10 1966	1.36	15.47	
30 10 1963	1.53	10.34		22 2 1967	1.85	27.48	
19 3 1964	1.30	14.16		27 2 1967	1.77	25.48	
17 8 1964	1.63	21.67		6 10 1967	1.62	21.51	
7 12 1964	1.29	17.06		16 10 1967	1.46	17.75	
8 12 1964	1.68	22.99		1 11 1967	1.27	13.52	
12 12 1964	1.87	28.16		3 1 1968	1.38	15.74	
13 1 1965	1.42	16.77		23 3 1968	1.26	13.26	
16 1 1965	1.40	16.36		13 12 1968	2.02	32.48	
19 1 1965	1.34	15.01		14 12 1968	1.37	15.61	
8 5 1965	1.35	15.07		17 12 1968	1.37	15.68	
17 9 1965	1.37	15.68		21 12 1968	1.24	12.76	
15 11 1965	1.36	15.41		24 12 1968	2.01	32.21	
9 12 1965	1.50	17.61		10 1 1969	1.71	23.86	
25 1 1966	1.24	12.76		17 1 1969	1.35	15.14	
29 1 1966	1.23	12.70		20 1 1969	1.70	23.54	
2 2 1966	1.44	17.12		21 1 1969	1.62	21.59	
9 4 1966	1.44	17.12		10 1 1970	1.26	13.20	
16 4 1966	1.28	13.77		21 2 1970	1.30	14.16	

346004

NENAGH AT CLARIANNA BRIDGE

GRID REF IR862823 AREA 295. SQ. KM
PERIOD OF RECORD 1 10 1960 TO 30 9 1970OPW THRESHOLD 32.28 GRADE A1
CUMEDCS

SIGNIFICANT GAPS

18 3 1964 TO 20 3 1964 20 1 1965 TO 26 1 1965 13 12 1965 TO 27 12 1965
11 1 1969 TO 13 1 1969

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
2 11 1960	2.15	55.02		3 12 1965	1.51	34.24	
11 11 1960	1.51	34.15		12 12 1965	1.72	40.64	
24 11 1960	1.50	33.97		24 1 1966	1.52	34.61	
4 12 1960	2.42	64.44		28 1 1966	1.62	37.59	
5 1 1961	1.54	37.26		1 2 1966	1.73	41.12	
17 1 1961	1.68	39.58		3 2 1966	1.50	33.97	
2 2 1961	1.77	42.19		9 4 1966	1.66	38.82	
3 4 1962	1.48	33.42		16 4 1966	1.54	35.26	
6 11 1962	2.19	56.38		4 9 1966	1.46	32.78	
7 11 1962	1.52	34.43		6 10 1966	1.06	48.63	
5 2 1963	1.74	41.31		7 10 1966	1.59	36.56	
7 2 1963	1.50	33.88		13 10 1966	1.58	36.47	
3 11 1963	1.64	38.25		22 2 1967	2.23	57.55	
18 11 1963	1.61	37.21		27 2 1967	2.21	56.91	
21 11 1963	1.92	47.12		6 10 1967	1.86	45.33	
25 11 1963	1.48	33.24		23 3 1968	1.45	32.33	
17 3 1964	1.70	39.97		13 12 1968	2.51	67.74	
15 8 1964	1.92	47.12		15 12 1968	1.67	39.20	
6 12 1964	1.77	42.38		17 12 1968	1.53	34.70	
8 12 1964	2.25	53.50		23 12 1968	2.75	76.43	
12 12 1964	2.59	70.64		10 1 1969	2.16	55.12	
13 1 1965	2.04	51.18		17 1 1969	1.67	39.01	
16 1 1965	2.05	51.39		21 1 1969	2.33	61.29	
19 1 1965	1.57	36.00		21 2 1970	1.83	44.34	
2 5 1965	1.72	40.73					
18 9 1965	1.84	44.44					

347001

KING'S RIVER AT ANNAMULT BRIDGE

GRID REF IS541443 AREA 413. SQ.KM OPW GRADE A2
 PERIOD OF RECORD 9 9 1954 TO 30 9 1970 THRESHOLD 46.20 CUMEDS
 SIGNIFICANT GAPS
 23 9 1957 TO 30 9 1957 7 12 1959 TO 14 12 1959 18 1 1960 TO 25 1 1960
 1 10 1962 TO 6 10 1962 6 3 1963 TO 6 5 1963 13 3 1964 TO 16 3 1964

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 10 1954	2.19	60.04		20 10 1963	2.36	82.41	
29 10 1954	2.69	111.21		11 11 1963	2.18	68.60	
24 11 1954	2.21	70.84		13 3 1964	1.99	55.03	
27 11 1954	1.90	49.70		17 3 1964	2.00	56.21	
30 11 1954	1.84	46.26		20 3 1964	2.24	73.12	
3 2 1955	2.48	92.34		24 3 1964	1.97	54.05	
7 2 1955	2.01	56.41		13 12 1964	2.51	94.46	
1 3 1955	2.18	62.60		17 1 1965	2.01	56.41	
14 12 1955	1.88	48.78		16 11 1965	2.59	101.80	
25 12 1956	1.91	50.26		2 12 1965	1.93	51.57	
28 12 1956	2.01	56.81		9 12 1965	2.34	80.21	
31 12 1956	2.30	77.09		15 12 1965	1.90	49.52	
24 1 1957	2.04	58.41		17 12 1965	1.89	49.15	
5 2 1957	1.93	51.57		23 12 1965	1.85	46.80	
24 12 1957	2.07	60.46		25 1 1966	2.03	57.81	
28 1 1958	2.08	61.50		4 2 1966	1.95	52.52	
11 2 1958	2.34	80.69		13 2 1966	1.99	55.03	
19 8 1958	2.13	64.67		4 4 1966	1.85	46.97	
25 8 1958	1.87	47.69		9 4 1966	2.21	70.84	
28 8 1958	2.21	70.61		16 4 1966	2.02	57.00	
3 9 1958	2.49	93.39		18 10 1966	2.00	56.01	
15 9 1958	1.95	52.71		23 2 1967	2.38	84.14	
30 9 1958	1.95	52.90		28 2 1967	1.88	48.78	
19 12 1958	2.32	70.24		18 10 1967	1.92	50.82	
22 12 1958	2.10	62.33		27 11 1967	1.87	48.05	
23 1 1959	1.92	50.63		1 12 1967	2.18	68.38	
29 12 1959	1.88	48.60		7 11 1968	1.99	55.42	
3 2 1960	1.96	53.47		22 11 1968	2.05	59.02	
3 10 1960	1.95	52.52		14 12 1968	2.37	83.15	
2 11 1960	1.88	48.78		16 12 1968	1.97	54.05	
21 11 1960	1.97	54.05		19 12 1968	2.09	61.91	
1 12 1960	1.85	46.97		23 12 1968	1.98	48.42	
4 12 1960	2.72	114.45		26 12 1968	3.11	156.12	
6 12 1960	2.34	80.69		10 1 1969	1.97	54.25	
25 1 1961	2.00	56.21		13 1 1969	2.10	62.75	
6 11 1962	1.98	54.44		17 1 1969	2.21	70.61	
				20 1 1969	2.50	94.19	
				19 1 1970	1.92	54.83	
				22 1 1970	1.90	49.52	

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
 1961-1962

347002

NORE AT JOHNS BRIDGE

GRID REF IS508559 AREA 1517. SQ.KM OPW GRADE A2
 PERIOD OF RECORD 1 1 1954 TO 30 9 1970 THRESHOLD 106.90 CUMEDS
 SIGNIFICANT GAPS
 12 1 1956 TO 17 1 1956 3 9 1956 TO 10 9 1956 19 9 1965 TO 30 9 1965

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 1 1954	1.66	162.81		16 1 1955	1.51	142.32	
12 2 1954	1.33	118.35		27 1 1955	1.67	164.56	
26 2 1954	1.28	111.71		3 2 1955	1.89	197.45	
2 5 1954	1.48	137.74		1 3 1955	1.62	156.75	
24 9 1954	1.32	117.17		25 3 1955	1.28	111.33	
29 10 1954	2.66	323.38		7 6 1955	1.83	187.34	
10 11 1954	1.40	126.72		13 12 1955	1.79	181.90	
22 11 1954	2.04	220.09		11 1 1956	1.46	134.86	
30 11 1954	1.73	173.38		26 1 1956	1.30	114.43	
8 12 1954	2.56	305.66		24 9 1956	1.26	109.40	
13 12 1954	1.53	145.25					

347002

NORE AT JOHNS BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
19 10 1956	1.28	112.10		5 11 1962	1.49	112.54	
31 12 1956	2.20	245.47		6 2 1963	1.51	114.20	
24 1 1957	1.39	125.92		14 2 1963	1.45	108.28	
4 2 1957	1.49	133.99		18 3 1963	1.44	106.98	
20 3 1957	1.39	126.32		30 10 1963	1.73	139.51	
25 9 1957	1.81	184.61		19 3 1964	1.58	122.24	
30 10 1957	1.31	115.60		24 3 1964	1.46	108.93	
24 12 1957	1.30	114.43		9 12 1964	1.46	108.61	
6 1 1958	1.60	154.17		13 12 1964	2.14	189.06	
28 1 1958	1.79	181.90		16 1 1965	1.93	162.60	
10 2 1958	2.27	256.46		20 1 1965	1.58	122.24	
14 2 1958	1.47	136.51		26 1 1965	1.46	108.93	
25 2 1958	1.60	153.74		17 11 1965	2.52	238.80	
28 7 1958	1.41	128.34		2 12 1965	1.86	154.18	
20 8 1958	1.26	108.63		9 12 1965	1.85	153.82	
4 9 1958	1.70	160.30		15 12 1965	1.61	125.63	
23 9 1958	1.41	128.74		10 1 1966	1.79	146.25	
30 9 1958	1.28	111.33		4 2 1966	1.59	122.91	
4 10 1958	1.42	120.96		23 2 1967	2.43	226.86	
19 12 1958	1.82	186.89		28 2 1967	1.71	137.05	
27 12 1958	1.43	131.59		17 10 1967	1.93	162.60	
6 1 1959	1.28	110.94		3 1 1968	2.30	209.09	
22 1 1959	1.25	107.48		2 10 1968	2.37	219.13	
29 12 1959	1.66	131.48		22 11 1968	1.74	139.86	
3 2 1960	1.61	125.98		14 12 1968	1.88	156.73	
14 9 1960	1.92	161.50		18 12 1968	1.82	150.20	
2 10 1960	1.89	153.19		25 12 1968	3.34	358.98	
24 11 1960	2.08	181.38		13 1 1969	2.22	199.20	
4 12 1960	2.80	277.92		17 1 1969	1.95	164.82	
19 1 1961	1.77	143.76		20 1 1969	2.47	232.60	
27 1 1961	1.55	113.87		18 1 1970	1.58	122.24	
3 2 1961	1.67	132.52		23 1 1970	2.02	174.17	
6 2 1961	1.76	145.04		25 1 1970	1.44	107.30	
15 1 1962	1.63	127.69					

347003

DININ AT DININ BRIDGE

GRID REF	IS479628	AREA	296. SQ. KM	OPW	GRADE	B	
PERIOD OF RECORD	28 10 1953 TO	30 9 1970		THRESHOLD	80.70 CUMECs		
SIGNIFICANT GAPS	7 1 1958 TO	12 1 1958	20 10 1958 TO	9 11 1958	26 12 1959 TO	30 12 1959	
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 11 1953	1.53	85.81		19 10 1956	1.56	87.50	
3 12 1953	2.43	164.46		28 12 1956	2.10	133.54	
25 1 1954	2.22	144.38		30 12 1956	2.48	168.87	
12 2 1954	1.48	81.52		20 3 1957	1.82	109.27	
2 5 1954	1.57	89.71		25 9 1957	2.37	158.93	
23 9 1954	1.85	111.86		25 1 1958	1.99	123.49	
26 10 1954	2.47	167.98		28 1 1958	1.64	94.10	
29 10 1954	2.68	180.27		10 2 1958	2.62	182.90	
10 11 1954	1.63	93.11		24 2 1958	1.78	106.18	
22 11 1954	2.49	170.05		28 7 1958	1.68	97.58	
26 11 1954	1.51	84.13		24 8 1958	2.18	141.29	
29 11 1954	1.89	107.21		27 8 1958	1.82	109.53	
8 12 1954	2.77	197.57		23 9 1958	1.62	92.62	
16 1 1955	2.01	125.91		10 12 1958	2.44	165.03	
27 1 1955	2.38	159.51		21 12 1958	1.49	82.23	
1 2 1955	2.30	151.74		14 9 1960	2.50	170.93	
3 2 1955	1.70	90.33		2 10 1960	2.34	156.04	
7 2 1955	1.82	100.53		1 11 1960	1.64	94.34	
1 3 1955	1.90	116.05		24 11 1960	2.17	140.46	
7 6 1955	2.57	177.78		4 12 1960	2.68	188.66	
14 12 1955	2.31	153.17		19 1 1961	2.13	136.84	
13 1 1956	1.95	120.02					

347003

DININ AT DININ BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 1 1961	1.50	83.42		25 1 1966	1.55	86.77	
12 4 1961	1.53	85.33		14 6 1966	1.65	95.33	
				4 9 1966	1.68	97.83	
16 1 1962	2.14	137.12		18 10 1966	1.58	89.68	
15 3 1962	1.70	90.33		23 2 1967	2.61	181.99	
5 11 1962	1.69	93.58		27 2 1967	1.56	87.74	
24 11 1962	1.47	81.05					
8 12 1962	1.72	101.09		7 10 1967	1.67	96.33	
14 2 1963	1.71	100.33		16 10 1967	2.46	167.69	
				9 1 1968	2.49	169.75	
30 10 1963	1.82	100.53					
10 11 1963	1.55	86.77		2 11 1968	2.89	210.68	
19 3 1964	1.73	101.85		22 11 1968	2.38	159.80	
				13 12 1968	1.81	108.75	
7 12 1964	1.54	86.53		18 12 1968	1.57	88.95	
13 12 1964	1.92	118.16		25 12 1968	2.83	204.09	
13 1 1965	1.59	90.41		10 1 1969	1.49	81.99	
16 1 1965	1.85	112.12		12 1 1969	1.91	117.11	
27 9 1965	1.99	124.30		13 1 1969	2.11	134.64	
				17 1 1969	1.89	115.26	
17 11 1965	2.77	197.57		20 1 1969	2.06	130.53	
2 12 1965	2.32	153.75					
9 12 1965	1.96	121.35		18 1 1970	1.74	102.10	
10 1 1966	2.14	137.40					

347004

NORE AT MCMAHON'S BRIDGE

GRID REF	IS418797	AREA	482.0 SQ. KM	OPW	THRESHOLD	22.60	GRADE	B
PERIOD OF RECORD	1 10 1954 TO	30 9 1970					CUMEC'S	
SIGNIFICANT GAPS								
11 12 1960 TO	18 12 1960	12 7 1961 TO	16 7 1961	10 12 1962 TO	14 12 1962			
22 7 1963 TO	7 9 1963	27 12 1963 TO	3 1 1964	27 7 1964 TO	20 9 1964			
10 5 1965 TO	12 6 1965	5 7 1965 TO	14 8 1965	9 10 1967 TO	5 11 1967			
8 1 1968 TO	4 2 1968	3 11 1968 TO	17 11 1968	25 1 1970 TO	15 2 1970			
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE	
30 10 1954	2.56	33.15		27 12 1958	2.25	27.68		
10 11 1954	2.05	24.33		4 1 1959	2.09	24.93		
1 12 1954	2.43	30.92		7 1 1959	2.25	27.68		
10 12 1954	2.68	35.44		19 1 1959	2.33	29.07		
11 1 1955	1.97	22.93						
16 1 1955	2.05	24.23		21 10 1959	2.01	23.58		
2 3 1955	1.98	23.08		14 11 1959	2.34	29.28		
8 6 1955	2.13	25.60		1 12 1959	2.40	30.37		
				30 12 1959	2.95	40.80		
15 12 1955	2.08	24.73		22 1 1960	2.54	24.58		
14 1 1956	1.97	22.98		5 2 1960	2.60	26.67		
27 1 1956	2.25	27.68		16 9 1960	2.73	31.30		
13 8 1956	1.96	22.89						
7 9 1956	2.21	27.00		1 10 1960	2.49	23.22		
				3 11 1960	2.66	28.64		
20 10 1956	2.07	24.68		12 11 1960	2.49	23.22		
3 1 1957	2.49	32.03		5 12 1960	3.10	48.36		
29 1 1957	2.49	32.03		6 1 1961	2.62	27.10		
4 2 1957	2.14	25.75		19 1 1961	2.62	27.10		
21 3 1957	2.36	29.66		7 2 1961	2.89	38.05		
26 3 1957	2.13	25.60						
1 4 1957	2.36	29.61		25 10 1961	2.60	26.43		
22 4 1957	2.04	24.08		1 12 1961	2.51	23.44		
25 9 1957	2.05	24.23		11 12 1961	2.59	26.35		
				16 1 1962	2.52	23.98		
31 10 1957	2.30	23.48		13 2 1962	2.48	22.95		
3 1 1958	2.30	23.48		3 4 1962	2.51	23.49		
7 1 1958	2.35	29.50		28 9 1962	2.51	23.49		
29 1 1958	2.36	29.55		30 9 1962	2.59	26.03		
12 2 1958	2.47	31.64						
25 2 1958	2.31	23.74		6 11 1962	2.66	28.75		
17 8 1958	2.27	27.95		9 12 1962	2.68	29.32		
28 8 1958	2.28	28.21		7 2 1963	2.51	23.49		
4 9 1958	2.19	26.63						
24 9 1958	2.18	26.48		1 11 1963	2.74	31.66		
				11 11 1963	2.68	29.32		
20 12 1958	2.27	28.05		17 11 1963	2.49	23.22		

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NORE AT MCMAHON'S BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
22 12 1963	2.71	30.47		10 4 1966	2.69	29.89	
19 5 1964	2.54	24.48		27 4 1966	3.74	90.21	
12 5 1964	2.59	26.03					
				7 10 1966	2.57	25.51	
16 10 1964	2.51	23.49		13 12 1966	2.60	26.56	
13 12 1964	3.26	56.78		1 3 1967	2.77	32.87	
15 1 1965	2.72	31.06					
27 5 1965	2.49	23.22		23 3 1968	2.37	21.09	
18 11 1965	2.69	29.89		10 12 1968	2.56	24.99	
25 11 1965	2.62	27.10		25 12 1968	3.38	64.18	
5 12 1965	2.65	23.19		22 1 1969	2.83	35.40	
30 1 1966	2.65	23.19					
2 3 1966	2.54	24.48		23 2 1970	2.74	31.66	

347005

GOUL-ERKINA AT DURROW FOOTBRIDGE

GRID REF	IS400774	AREA	386. SQ.KM	OPW	THRESHOLD	16.00	GRADE	A1
PERIOD OF RECORD	1 10 1954 TO	30 9 1970						
SIGNIFICANT GAPS	11 12 1954 TO	15 12 1954	23 1 1966 TO	30 1 1966	3 4 1966 TO	9 4 1966		
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE	
30 10 1954	1.18	27.81		21 3 1964	1.00	19.77		
23 11 1954	1.00	19.77						
1 12 1954	1.03	21.04		9 12 1964	1.09	23.66		
9 12 1954	1.34	35.30		13 12 1964	1.49	43.46		
4 2 1955	1.14	25.70		17 1 1965	1.31	33.75		
8 6 1955	0.96	17.93		24 1 1965	1.00	19.77		
				22 3 1965	0.91	16.16		
14 1 1956	1.00	19.77						
26 1 1956	0.96	17.93		18 11 1965	1.41	39.30		
				25 11 1965	1.05	21.68		
31 12 1956	1.15	26.40		4 12 1965	1.12	25.01		
24 1 1957	1.18	27.81		10 12 1965	1.28	32.22		
4 2 1957	1.00	19.77		23 12 1965	1.14	25.70		
20 5 1957	1.05	21.68		1 1 1966	0.97	18.53		
				10 1 1966	1.03	21.04		
3 1 1958	1.06	22.33		4 2 1966	1.17	27.10		
28 1 1958	0.99	19.15		13 2 1966	1.11	24.33		
11 2 1958	1.24	30.73		6 3 1966	1.11	24.33		
16 2 1958	0.94	17.33		7 4 1966	0.94	17.33		
25 2 1958	1.00	19.77		10 4 1966	1.11	24.33		
28 8 1958	1.05	21.68		17 4 1966	1.24	30.73		
4 9 1958	1.12	25.01		24 4 1966	1.00	19.77		
20 12 1958	1.06	22.33		7 10 1966	1.15	26.40		
27 12 1958	0.92	16.74		14 10 1966	1.06	22.33		
7 1 1959	0.97	17.53		19 10 1966	1.11	24.33		
				16 12 1966	0.91	16.16		
28 12 1959	1.06	22.33		29 12 1966	0.91	16.16		
5 1 1960	0.94	17.33		10 1 1967	0.92	16.74		
3 2 1960	0.94	17.33		24 1 1967	1.05	21.68		
15 9 1960	1.18	27.81		23 2 1967	1.38	37.68		
				28 2 1967	1.37	36.88		
3 10 1960	0.97	18.53						
3 11 1960	0.94	17.33		8 10 1967	0.99	19.15		
25 11 1960	1.09	23.66		18 10 1967	1.09	23.66		
5 12 1960	1.49	43.46		31 10 1967	0.94	17.33		
12 12 1960	1.03	21.04		10 1 1968	1.15	26.40		
5 1 1961	0.94	17.33		14 1 1968	1.08	22.99		
20 1 1961	1.12	25.01		24 3 1968	1.03	21.04		
7 2 1961	1.26	31.47						
				3 11 1968	0.92	16.74		
16 1 1962	0.94	17.33		15 12 1968	1.23	29.99		
				18 12 1968	1.09	23.66		
6 11 1962	1.06	22.33		25 12 1968	1.78	60.72		
6 2 1963	1.15	26.40		13 1 1969	1.20	28.53		
				22 1 1969	1.43	40.12		
31 10 1963	1.12	25.01						
11 11 1963	1.09	23.66		25 1 1970	1.00	19.77		
18 11 1963	0.94	17.33		9 2 1970	0.97	18.53		
21 11 1963	0.99	19.15		22 2 1970	1.12	25.01		

347006

NORE AT BROWNSBARN BRIDGE

GRID REF IS618391 AREA 2288. SQ. KM
 PERIOD OF RECORD 24 10 1953 TO 30 9 1970

OPW THRESHOLD 171.30 CUMEC'S GRADE B

SIGNIFICANT GAPS

14 7 1958 TO 4 8 1958 30 9 1958 TO 8 10 1958 15 2 1966 TO 20 2 1966
 14 1 1970 TO 25 1 1970

DATE	LEVEL	DISCHARGE	NOTE
2 11 1953	2.46	175.27	
3 12 1953	3.13	270.76	
25 1 1954	2.85	227.92	
3 5 1954	2.61	194.59	
27 10 1954	2.98	247.31	
29 10 1954	3.58	344.70	
23 11 1954	3.07	260.80	
26 11 1954	2.77	216.98	
29 11 1954	2.89	234.16	
8 12 1954	3.45	323.64	
13 12 1954	2.59	191.71	
27 1 1955	2.62	195.41	
3 2 1955	3.30	297.17	
7 2 1955	3.01	252.39	
29 2 1955	2.91	236.40	
7 6 1955	2.65	199.56	
14 12 1955	3.00	250.54	
14 1 1956	2.71	207.97	
28 12 1956	3.04	257.05	
31 12 1956	3.40	313.85	
23 1 1957	2.44	172.14	
5 2 1957	2.86	229.69	
8 2 1957	2.57	189.67	
20 3 1957	2.61	194.59	
15 9 1957	3.15	274.12	
5 1 1958	2.80	220.89	
10 1 1958	2.56	187.23	
25 1 1958	2.56	187.64	
28 1 1958	3.00	250.54	
11 2 1958	3.29	296.67	
14 2 1958	2.75	214.39	
25 2 1958	2.43	171.36	
3 9 1958	3.16	276.05	
30 10 1958	2.43	171.36	
20 12 1958	3.07	261.27	
27 12 1958	2.48	177.24	
22 1 1959	2.45	172.92	
8 12 1959	2.54	184.81	
25 12 1959	2.53	183.61	
1 1 1960	2.81	222.20	
3 2 1960	2.86	229.69	
14 9 1960	2.74	212.24	
2 10 1960	3.13	270.76	
8 10 1960	2.46	174.48	
1 11 1960	2.60	193.35	

DATE	LEVEL	DISCHARGE	NOTE
24 11 1960	2.98	247.77	
1 12 1960	2.77	216.54	
4 12 1960	3.92	407.43	
19 1 1961	3.06	259.39	
27 1 1961	2.93	225.27	
3 2 1961	3.06	258.92	
16 11 1961	2.62	195.41	
6 11 1962	2.77	216.11	
6 2 1963	2.78	218.71	
14 2 1963	2.68	204.59	
14 3 1963	2.46	174.48	
17 3 1963	2.70	206.28	
31 10 1963	2.98	244.85	
11 11 1963	2.80	220.89	
21 3 1964	2.92	238.66	
8 12 1964	2.46	174.88	
13 12 1964	3.41	315.90	
16 1 1965	2.91	236.40	
20 1 1965	2.52	183.21	
18 11 1965	3.55	339.38	
2 12 1965	2.75	213.96	
10 12 1965	3.04	257.05	
13 12 1965	2.73	211.38	
10 1 1966	3.00	250.08	
4 2 1966	2.71	207.97	
9 4 1966	2.77	216.54	
16 4 1966	2.49	178.42	
18 10 1966	2.55	186.02	
22 2 1967	3.38	310.79	
28 2 1967	2.91	237.30	
17 10 1967	2.86	229.69	
9 1 1968	3.13	270.76	
2 11 1968	2.83	225.27	
23 11 1968	2.68	203.75	
14 12 1968	2.97	245.48	
18 12 1968	2.74	212.24	
25 12 1968	4.03	429.00	
14 1 1969	3.04	257.05	
18 1 1969	3.04	257.05	
21 1 1969	3.41	315.90	
19 1 1970	2.99	249.15	
24 1 1970	2.89	234.16	

347007

NORE AT MOUNTRATH RLY BRIDGE

GRID REF IS365897 AREA 327.0 SQ. KM
 PERIOD OF RECORD 1 10 1953 TO 30 9 1970

OPW THRESHOLD 31.15 CUMEC'S GRADE B

SIGNIFICANT GAPS

12 1 1959 TO 19 1 1959

DATE	LEVEL	DISCHARGE	NOTE
3 12 1953	2.20	31.55	
2 5 1954	2.45	35.51	
13 12 1954	2.20	31.41	
26 1 1956	1.98	27.89	

DATE	LEVEL	DISCHARGE	NOTE
23 1 1957	2.39	34.52	
29 10 1957	2.33	33.53	
6 1 1958	2.20	31.41	
10 2 1958	2.83	41.81	
20 8 1958	2.37	34.27	
24 8 1958	2.24	32.19	

347007

NORE AT MOUNTRATH RLY BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 8 1958	2.37	34.27		27 1 1966	2.25	32.29	
3 9 1958	2.27	32.54		20 1 1966	2.38	34.32	
23 9 1958	2.26	32.39		1 3 1966	2.44	35.31	
				1 4 1966	2.34	33.77	
26 12 1958	2.28	32.78		16 4 1966	2.60	38.02	
				22 4 1966	2.44	35.36	
27 12 1959	2.74	40.39		27 6 1966	2.30	33.13	
29 12 1959	2.84	42.06		4 9 1966	2.38	34.32	
14 9 1960	2.83	41.81					
				4 10 1966	2.35	33.87	
2 11 1960	2.32	33.38		7 10 1966	2.98	44.35	
24 11 1960	2.33	33.53		10 12 1966	2.77	40.89	
4 12 1960	3.10	46.41		12 12 1966	2.33	33.63	
6 12 1960	2.68	39.38		14 12 1966	2.20	31.45	
18 1 1961	2.22	31.80		24 12 1966	2.27	32.54	
2 2 1961	2.20	31.55		22 2 1967	2.54	37.01	
5 2 1961	2.25	32.29		27 2 1967	2.62	38.37	
12 7 1961	2.25	32.29					
14 7 1961	2.22	31.80		7 10 1967	2.68	39.28	
				16 10 1967	2.75	40.49	
29 9 1962	2.24	32.04		31 10 1967	2.69	39.53	
				2 11 1967	2.52	36.76	
5 11 1962	2.28	32.78		8 1 1968	3.23	48.47	
8 12 1962	2.35	33.87		13 1 1968	2.51	36.51	
11 12 1962	2.22	31.80		16 1 1968	2.37	34.27	
20 12 1962	2.31	33.18		23 3 1968	2.39	34.62	
21 4 1963	2.51	36.51					
26 9 1963	2.27	32.54		2 11 1968	2.56	37.41	
				13 12 1968	2.84	42.06	
30 10 1963	2.69	39.53		17 12 1968	2.25	32.29	
21 11 1963	2.21	31.70		24 12 1968	3.52	53.40	
				11 1 1969	2.20	31.55	
7 12 1964	2.23	31.95		13 1 1969	2.19	31.31	
8 12 1964	2.42	35.02		20 1 1969	2.91	43.08	
12 12 1964	3.26	49.09					
16 12 1964	2.36	34.02		19 12 1969	2.34	33.68	
16 1 1965	2.92	43.33		20 12 1969	2.43	35.27	
				17 2 1970	2.49	36.26	
17 11 1965	2.51	36.51		21 2 1970	2.89	42.82	
25 11 1965	2.29	32.88		23 4 1970	2.30	33.03	
9 12 1965	2.63	38.57		25 4 1970	2.79	41.10	
13 12 1965	2.66	39.02		16 8 1970	2.27	32.59	
17 12 1965	2.78	41.04					

347008

NORE AT BORRIS IN OSSORY

GRID REF IS240880 AREA 105. SQ. KM
 PERIOD OF RECORD 1 10 1954 TO 30 9 1970

OPW THRESHOLD 7.90 GRADE B CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 10 1954	1.47	9.58		10 12 1958	1.52	9.09	
29 10 1954	1.52	9.09		6 1 1959	1.47	8.58	
22 11 1954	1.50	8.92		10 1 1959	1.50	8.92	
9 12 1954	1.75	11.77					
13 12 1954	1.50	8.92		29 12 1959	1.82	12.72	
4 2 1955	1.61	10.14		30 12 1959	1.92	13.88	
7 2 1955	1.49	8.75		14 9 1960	1.82	12.72	
7 6 1955	1.47	8.58		15 9 1960	1.56	9.61	
28 1 1956	1.47	8.58		24 11 1960	1.50	8.92	
				30 11 1960	1.43	8.08	
30 12 1956	1.56	9.61		3 12 1960	2.01	15.07	
31 12 1956	1.52	9.09		5 12 1960	2.02	15.27	
1 1 1957	1.44	8.25		18 1 1961	1.58	9.78	
23 1 1957	1.67	10.86		20 1 1961	1.46	8.41	
20 3 1957	1.49	8.75		2 2 1961	1.64	10.49	
				5 2 1961	1.64	10.49	
31 12 1957	1.61	10.14					
25 1 1958	1.46	8.41		23 10 1961	1.41	7.92	
28 1 1958	1.52	9.09		15 1 1962	1.41	7.92	
10 2 1958	1.66	10.67					
17 2 1958	1.43	8.08		6 11 1962	1.64	10.49	
27 8 1958	1.55	9.44		8 12 1962	1.43	8.08	
3 9 1958	1.46	8.41					

347008 NORE AT BORRIS IN OSSORY

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
30 10 1963	1.63	10.32		20 9 1966	1.85	13.10	
18 11 1963	1.44	8.25		13 10 1966	1.56	9.61	
7 12 1964	1.46	8.41		0 12 1966	1.41	7.92	
8 12 1964	1.67	10.86		25 12 1966	1.52	9.09	
13 12 1964	2.04	15.47		22 2 1967	1.82	12.72	
15 12 1964	1.61	10.14		27 2 1967	1.85	13.10	
17 1 1965	1.85	13.10		17 9 1967	1.53	9.26	
19 1 1965	1.43	8.08		6 10 1967	1.70	11.22	
26 3 1965	1.46	8.41		22 10 1967	1.64	10.49	
23 11 1965	1.55	9.44		24 10 1967	1.69	11.04	
24 11 1965	1.46	8.41		8 1 1968	1.90	13.68	
3 12 1965	1.52	9.09		13 1 1968	1.46	8.41	
9 12 1965	1.70	12.34		16 1 1968	1.46	8.41	
13 12 1965	1.75	11.77		23 3 1968	1.64	10.49	
15 12 1965	1.44	8.25		2 11 1968	1.47	8.58	
1 2 1966	1.43	8.08		15 12 1968	1.64	10.49	
2 4 1966	1.53	9.26		26 12 1968	2.27	18.62	
9 4 1966	1.60	9.96		9 1 1969	1.47	8.58	
16 4 1966	1.82	12.72		11 1 1969	1.46	8.41	
21 4 1966	1.47	8.58		21 1 1969	1.76	11.96	
22 4 1966	1.52	9.09		21 2 1970	1.49	8.75	
19 8 1966	1.63	10.32					

347009 KINGS RIVER AT CALLAN

GRID REF IS414438 AREA 217.0 SQ.KM OPW THRESHOLD 22.90 GRADE C CUMECs

PERIOD OF RECORD 1 10 1956 TO 30 9 1970

SIGNIFICANT GAPS 2 11 1963 TO 6 12 1963 15 11 1965 TO 17 11 1965 24 11 1965 TO 3 12 1965

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
31 12 1956	1.32	24.45		10 11 1965	1.34	24.35	
23 1 1957	1.43	27.58		0 12 1965	1.78	47.20	
25 9 1957	1.82	47.17		17 12 1965	1.43	28.38	
10 2 1958	1.40	26.65		22 12 1965	1.49	31.27	
27 8 1958	1.34	24.80		10 1 1966	1.35	24.99	
3 9 1958	1.58	34.44		25 1 1966	1.53	33.54	
30 9 1958	1.28	23.16		2 2 1966	1.37	25.65	
19 12 1958	1.35	25.32		4 2 1966	1.46	29.80	
14 9 1960	1.58	34.44		12 2 1966	1.58	35.90	
2 10 1960	1.37	25.76		22 4 1966	1.31	23.08	
24 11 1960	1.31	24.02		4 9 1966	1.34	24.35	
3 12 1960	2.01	53.16		6 10 1966	1.47	30.53	
6 12 1960	1.43	27.58		13 10 1966	1.38	26.32	
18 1 1961	1.29	23.59		18 10 1966	1.53	33.54	
28 1 1961	1.28	23.16		22 2 1967	1.88	54.02	
2 2 1961	1.49	30.22		27 2 1967	1.44	39.19	
30 9 1962	1.34	24.89		16 10 1967	1.60	36.70	
5 11 1962	1.85	48.91		8 1 1968	1.64	39.19	
6 11 1962	1.41	27.10		13 1 1968	1.34	24.35	
6 2 1963	1.78	47.20		23 3 1968	1.40	27.00	
14 3 1963	1.31	23.08		22 11 1968	1.52	32.77	
17 3 1963	1.34	24.35		13 12 1968	1.76	46.26	
30 10 1963	1.90	55.04		15 12 1968	1.35	24.99	
10 11 1963	1.78	47.20		17 12 1968	1.52	32.77	
19 3 1964	1.61	37.52		24 12 1968	2.20	77.70	
23 3 1964	1.52	32.77		10 1 1969	1.32	23.71	
9 12 1964	1.46	29.80		12 1 1969	1.52	32.77	
12 12 1964	2.04	64.69		17 1 1969	1.64	39.19	
16 1 1965	1.52	32.77		20 1 1969	1.87	53.01	
4 8 1965	1.35	24.99		17 1 1970	1.46	29.80	
				19 1 1970	1.49	31.27	
				24 1 1970	1.31	23.08	

349001

OWENBOY AT BALLEA UPPER BRIDGE

GRID REF IW709633

AREA 97.6 SQ. KM

OPW

GRADE A1

PERIOD OF RECORD 1 10 1956 TO 30 9 1970

THRESHOLD 11.27 CUMECs

SIGNIFICANT GAPS

18 2 1957 TO 18 3 1957 14 12 1959 TO 4 1 1960 4 3 1968 TO 26 3 1968

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 12 1956	1.25	16.10					
28 12 1956	1.22	15.64		7 12 1964	1.05	12.82	
30 12 1956	1.20	16.71		9 12 1964	1.03	12.53	
7 2 1957	0.96	11.51		13 12 1964	1.18	14.99	
31 3 1957	1.12	13.92		14 1 1965	0.95	11.33	
25 4 1957	1.30	16.91					
				16 11 1965	1.53	20.94	
17 3 1958	0.99	12.02		29 11 1965	1.38	18.26	
24 3 1958	1.37	18.10		15 12 1965	0.96	11.42	
27 8 1958	1.06	13.05		17 12 1965	1.23	15.69	
				23 12 1965	1.17	14.85	
22 12 1958	1.18	14.99		10 1 1966	1.42	19.00	
5 1 1959	1.01	12.25		25 1 1966	1.09	13.53	
22 1 1959	1.06	12.96		30 1 1966	1.00	12.11	
9 5 1959	1.13	14.11		3 2 1966	1.14	14.31	
				7 2 1966	1.09	13.43	
8 12 1959	1.07	13.20		10 2 1966	0.96	11.51	
10 12 1959	1.09	13.53		12 2 1966	1.06	13.05	
2 3 1960	1.11	13.77		14 2 1966	1.48	20.07	
19 3 1960	0.95	11.33		19 2 1966	1.07	13.24	
				26 2 1966	0.97	11.65	
2 10 1960	1.23	15.74		14 4 1966	1.02	12.44	
1 11 1960	1.18	14.95					
14 11 1960	0.99	11.88		5 10 1966	0.99	11.88	
21 11 1960	1.06	13.05		12 10 1966	1.00	12.11	
25 11 1960	0.95	11.33		22 2 1967	1.01	12.25	
18 1 1961	0.95	11.38		16 9 1967	0.99	12.02	
24 1 1961	1.23	15.74					
26 1 1961	1.37	18.10		18 10 1967	0.93	11.10	
10 12 1961	0.91	10.70		9 11 1968	1.31	17.01	
				13 11 1968	1.25	16.10	
10 2 1963	1.00	12.11		21 11 1968	1.02	12.39	
14 2 1963	0.97	11.65		13 12 1968	1.37	18.16	
8 3 1963	1.03	12.49		21 12 1968	1.00	12.11	
15 3 1963	1.23	15.60		24 12 1968	1.03	12.53	
22 4 1963	0.97	11.65		9 1 1969	1.58	21.82	
				11 1 1969	1.52	20.67	
1 11 1963	0.97	11.65		16 1 1969	1.30	16.96	
18 11 1963	0.99	12.02		20 1 1969	1.61	22.38	
11 12 1963	0.98	11.74		27 1 1969	1.01	12.30	
23 2 1964	1.05	12.82					
17 3 1964	1.10	13.63		17 1 1970	0.97	11.65	
19 3 1964	1.19	15.04					

352001

OWENMORE AT BALLYNACARROW BRIDGE

GRID REF IG643226

AREA 306.0 SQ. KM

OPW

GRADE A1

PERIOD OF RECORD 1 10 1956 TO 30 9 1970

THRESHOLD 19.20 CUMECs

SIGNIFICANT GAPS

25 10 1965 TO 1 11 1965 22 11 1965 TO 29 11 1965 22 5 1967 TO 5 6 1967
3 10 1967 TO 31 10 1967 8 1 1968 TO 18 2 1968 16 10 1968 TO 27 10 1968

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
18 10 1956	0.93	20.94		3 1 1959	0.93	20.67	
15 12 1956	0.92	20.54		22 1 1959	1.03	25.45	
1 1 1957	1.18	32.87					
30 1 1957	1.08	27.69		13 10 1959	1.00	24.01	
24 3 1957	1.01	24.58		29 10 1959	0.89	19.21	
18 4 1957	0.92	20.54		16 11 1959	1.20	34.01	
				9 12 1959	0.94	21.21	
12 1 1958	0.90	19.47		22 12 1959	1.06	26.93	
27 1 1958	1.13	30.31		23 1 1960	0.96	22.04	
12 2 1958	0.95	21.49		1 2 1960	1.03	25.45	
15 8 1958	1.09	28.45		20 9 1960	1.09	28.45	
14 10 1958	1.03	25.16		5 11 1960	0.99	23.29	
15 12 1958	0.96	22.31		13 11 1960	0.99	23.44	
20 12 1958	1.03	25.60		6 12 1960	1.00	24.01	

352001

OWENMORE AT RALLYNACARROW BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 1 1961	0.92	20.54		0 10 1965	1.21	34.67	
6 2 1961	0.93	20.67		3 11 1965	0.92	20.13	
15 7 1961	0.93	20.94		20 11 1965	1.34	41.73	
18 9 1961	0.94	21.21		12 12 1965	1.18	32.87	
25 10 1961	1.13	30.15		10 1 1966	0.97	22.59	
6 12 1961	1.15	31.26		1 12 1966	1.23	35.50	
18 1 1962	1.14	31.10		13 12 1966	1.20	33.85	
25 1 1962	0.90	10.60		29 5 1967	0.94	21.21	
13 9 1962	1.18	33.19		17 7 1967	1.11	29.53	
1 10 1962	0.90	10.47		3 11 1967	1.35	42.27	
7 11 1962	1.01	24.58		11 1 1968	1.19	33.68	
17 12 1962	0.97	22.50		1 10 1968	1.04	26.04	
23 10 1963	0.91	10.87		15 10 1968	0.94	21.35	
1 11 1963	1.02	24.72		3 11 1968	1.55	54.97	
13 11 1963	1.03	25.45		12 1 1969	0.98	22.87	
26 11 1963	1.15	31.26		14 2 1969	0.99	23.58	
24 9 1964	0.89	10.21		5 12 1969	0.91	19.87	
12 10 1964	1.16	31.90		24 12 1969	1.12	29.84	
17 10 1964	1.21	34.67		23 2 1970	1.21	34.50	
10 12 1964	1.20	34.01		18 8 1970	1.04	25.89	
1 1 1965	0.95	21.62		20 9 1970	1.03	25.16	
19 1 1965	0.98	23.15					
21 9 1965	1.26	37.36					

352003

OWENMORE AT RALLYGRANIA BRIDGE

GRID REF IG695259 AREA 204.0 SQ.KM OPW GRADE A1
 PERIOD OF RECORD 1 10 1955 TO 30 9 1970 THRESHOLD 17.00 CUMECs
 SIGNIFICANT GAPS
 17 11 1958 TO 24 11 1958

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 8 1956	1.51	23.64		12 9 1962	1.59	25.86	
26 12 1956	1.35	19.64		30 9 1962	1.35	19.48	
28 12 1956	1.42	21.43		6 11 1962	1.60	26.39	
1 1 1957	1.57	25.52		9 12 1962	1.34	19.33	
23 1 1957	1.34	10.33		31 10 1963	1.41	20.96	
29 1 1957	1.48	22.98		12 11 1963	1.34	19.25	
31 1 1957	1.50	23.39		18 11 1963	1.32	18.80	
23 2 1957	1.38	20.17		26 11 1963	1.47	22.57	
24 3 1957	1.47	22.57		10 10 1964	1.61	26.65	
17 9 1957	1.29	17.98		16 10 1964	1.82	33.09	
25 1 1958	1.82	33.00		9 12 1964	1.46	22.48	
11 2 1958	1.31	18.58		12 12 1964	1.43	21.67	
13 8 1958	1.44	21.92		11 1 1965	1.64	27.46	
13 10 1958	1.35	10.48		18 1 1965	1.63	27.01	
12 12 1958	1.52	23.98		24 1 1965	1.39	20.49	
20 12 1958	1.41	20.96		16 6 1965	1.30	18.28	
3 1 1959	1.29	18.06		18 9 1965	1.67	28.27	
15 11 1959	1.46	22.40		6 10 1965	1.65	27.73	
9 12 1959	1.30	18.35		18 11 1965	1.87	34.68	
20 12 1959	1.44	21.92		25 11 1965	1.51	23.64	
27 12 1959	1.46	22.32		2 12 1965	1.57	25.34	
27 1 1960	1.29	18.06		10 12 1965	1.54	24.57	
30 1 1960	1.41	21.12		3 1 1966	1.40	20.88	
19 9 1960	1.53	24.23		16 2 1966	1.29	17.98	
4 11 1960	1.28	17.76		2 12 1966	1.47	22.73	
17 9 1961	1.34	10.25		13 12 1966	1.38	25.69	
24 10 1961	1.58	25.60		29 12 1966	1.32	18.80	
30 11 1961	1.30	18.28		23 5 1967	1.57	25.43	
5 12 1961	1.92	36.10		10 10 1967	1.48	22.89	
11 12 1961	1.48	22.89		31 10 1967	1.58	25.78	
13 12 1961	1.31	18.58		9 1 1968	1.92	36.41	
16 1 1962	1.49	23.14		14 1 1968	1.53	24.23	

352003

OWENMORE AT BALLYGRANIA BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 1 1968	1.46	27.24		14 12 1969	1.29	18.06	
2 11 1968	2.17	45.28		22 12 1969	1.34	19.18	
14 12 1968	1.72	29.93		20 2 1970	1.57	25.43	
10 1 1969	1.44	21.92		17 8 1970	1.84	33.59	
17 1 1969	1.53	24.32		19 9 1970	1.33	18.95	
12 2 1969	1.47	22.73					

352004

OWENMORE AT RIG BRIDGE

GRID REF IG663124 AREA 103. SQ. KM
 PERIOD OF RECORD 1 10 1956 TO 30 9 1970
 OPW THRESHOLD 13.17 CUMECs
 GRADE C

SIGNIFICANT GAPS
 26 12 1966 TO 31 12 1966 9 9 1967 TO 11 9 1967 23 12 1967 TO 25 12 1967
 9 11 1968 TO 11 11 1968 9 12 1968 TO 16 12 1968 18 1 1969 TO 20 1 1969

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
13 10 1956	1.90	13.60		12 10 1964	2.09	16.47	
2 1 1957	2.07	16.19		17 10 1964	2.17	17.66	
30 1 1957	2.08	16.33		10 12 1964	2.12	16.94	
31 2 1957	1.95	14.29		14 12 1964	1.94	14.25	
26 1 1958	2.40	21.50		11 1 1965	2.27	19.41	
12 2 1958	2.06	15.91		10 1 1965	2.27	19.30	
14 8 1958	1.92	13.86		10 9 1965	2.17	17.76	
14 10 1958	1.88	13.43		8 10 1965	2.20	18.25	
13 12 1958	2.03	15.45		19 11 1965	2.62	25.54	
21 12 1958	2.10	16.51		26 11 1965	2.06	15.96	
22 1 1959	2.28	19.46		3 12 1965	2.01	15.18	
13 10 1959	2.13	17.04		10 12 1965	2.05	15.86	
29 10 1959	2.05	15.86		22 8 1966	1.89	13.56	
16 11 1959	2.28	19.56		3 12 1966	2.29	19.61	
22 12 1959	2.05	15.86		11 12 1966	2.13	17.04	
30 12 1959	1.92	13.99		23 5 1967	2.06	16.00	
23 1 1960	1.98	14.73		15 7 1967	2.20	18.20	
28 1 1960	1.92	13.94		2 10 1967	2.01	15.18	
31 1 1960	2.02	15.41		10 10 1967	2.08	16.23	
20 9 1960	2.01	15.22		1 11 1967	2.19	18.00	
5 11 1960	1.91	13.82		10 1 1968	2.40	21.56	
15 7 1961	1.91	13.82		14 1 1968	1.92	13.90	
18 9 1961	1.98	14.78		17 1 1968	1.88	13.43	
24 10 1961	2.10	16.51		3 10 1968	1.93	14.03	
1 12 1961	1.89	13.52		12 10 1968	1.89	13.52	
6 12 1961	2.21	18.35		3 11 1968	2.98	33.00	
12 12 1961	2.06	16.00		11 1 1969	1.98	14.73	
17 1 1962	2.22	18.55		14 1 1969	1.91	13.82	
13 9 1962	1.91	13.82		17 1 1969	1.98	14.73	
7 11 1962	1.88	13.43		22 1 1969	2.09	16.42	
10 12 1962	1.90	13.64		12 2 1969	2.03	15.54	
1 11 1963	1.94	14.16		15 12 1969	1.88	13.30	
25 11 1963	1.97	14.69		22 12 1969	2.07	16.09	
14 6 1964	2.02	15.41		23 2 1970	2.15	17.42	
				17 8 1970	2.27	19.30	
				19 9 1970	2.05	15.86	

353001

OWFNURE AT RELLAVAHAN BRIDGE

GRID REF IM952864 AREA 119.0 SQ. KM
 PERIOD OF RECORD 1 10 1956 TO 30 9 1970
 SIGNIFICANT GAPS
 1 10 1956 TO 15 10 1956 30 12 1957 TO 25 1 1958
 11 5 1970 TO 18 5 1970

OPW THRESHOLD 3.30 CUMECs GRADE A1

DATE	LEVEL	DISCHARGE	NOTE
28 10 1956	0.84	4.92	
10 11 1956	1.02	6.60	
24 12 1956	1.32	10.33	
1 2 1957	1.18	8.61	
25 2 1957	0.39	5.33	
25 3 1957	0.80	4.55	
25 9 1957	0.89	5.33	
2 11 1957	1.06	7.13	
22 12 1957	0.80	4.55	
27 1 1958	0.95	5.98	
15 2 1958	1.01	6.62	
8 6 1958	0.70	3.66	
15 8 1958	1.06	7.13	
14 10 1958	0.81	4.63	
4 1 1959	1.10	7.57	
23 1 1959	0.91	5.61	
28 4 1959	0.67	3.43	
29 10 1959	0.78	4.33	
1 1 1960	1.28	9.74	
4 2 1960	1.28	9.82	
3 3 1960	0.80	4.55	
22 3 1960	0.70	3.64	
15 4 1960	0.86	5.10	
21 9 1960	0.83	4.80	
6 12 1960	1.07	7.30	
22 1 1961	1.15	8.25	
3 3 1961	0.68	3.51	
4 10 1961	0.77	4.24	
29 10 1961	1.07	7.26	
13 12 1961	1.31	10.17	
19 1 1962	1.09	7.47	
14 2 1962	0.83	4.83	
18 3 1962	0.72	3.84	
11 4 1962	0.88	5.24	
15 9 1962	0.74	3.95	
2 10 1962	0.83	4.83	

DATE	LEVEL	DISCHARGE	NOTE
7 11 1962	1.01	6.66	
12 12 1962	0.96	6.11	
12 3 1963	1.06	7.13	
25 11 1963	1.33	10.49	
7 1 1964	0.70	3.61	
22 3 1964	1.05	7.06	
13 5 1964	0.84	4.86	
11 10 1964	1.29	9.90	
14 12 1964	1.12	7.85	
20 1 1965	1.58	13.94	
27 3 1965	0.85	4.95	
17 4 1965	0.75	4.08	
27 9 1965	0.72	3.82	
4 11 1965	0.77	4.27	
10 11 1965	1.56	13.71	
13 1 1966	0.88	5.27	
21 2 1966	1.14	8.07	
25 4 1966	0.97	6.20	
16 10 1966	0.77	4.22	
16 12 1966	1.20	8.80	
12 3 1967	0.99	6.46	
26 5 1967	0.82	4.72	
21 7 1967	0.76	4.14	
20 8 1967	0.67	3.36	
13 9 1967	0.73	3.87	
3 11 1967	1.14	8.14	
16 1 1968	1.37	10.93	
4 11 1968	1.45	12.10	
24 11 1968	0.98	6.30	
16 12 1968	0.97	6.20	
23 12 1969	1.38	11.06	
23 2 1970	1.16	8.32	
13 3 1970	0.78	4.30	
24 4 1970	1.21	8.91	

355001

RINN AT JOHNSTON'S BRIDGE

GRID REF IN000865 AREA 291. SQ. KM
 PERIOD OF RECORD 1 10 1955 TO 30 9 1970
 SIGNIFICANT GAPS
 24 6 1966 TO 27 6 1966 15 12 1969 TO 22 12 1969

OPW THRESHOLD 13.20 CUMECs GRADE B

16 2 1970 TO 23 2 1970

DATE	LEVEL	DISCHARGE	NOTE
14 12 1955	2.01	15.24	
29 1 1956	2.13	17.07	
5 2 1956	2.06	15.91	
7 9 1956	1.88	13.41	
14 12 1956	1.95	14.35	
1 1 1957	2.63	25.34	
27 1 1957	2.28	19.37	
24 2 1957	1.88	13.36	
24 9 1957	1.93	14.09	
30 10 1957	2.22	18.40	
20 12 1957	1.92	13.83	
10 1 1958	2.15	17.35	
28 1 1958	2.11	16.70	
11 2 1958	2.04	15.60	
24 2 1958	2.04	15.60	

DATE	LEVEL	DISCHARGE	NOTE
14 8 1958	2.31	19.86	
20 12 1958	2.10	16.46	
3 1 1959	2.17	17.68	
21 10 1959	1.98	14.70	
9 12 1959	2.19	17.92	
29 12 1959	2.35	20.56	
30 1 1960	2.31	19.81	
3 3 1960	1.93	14.01	
26 8 1960	1.99	14.93	
6 12 1960	2.25	18.88	
31 12 1960	1.92	13.83	
21 1 1961	2.43	21.84	
6 2 1961	2.20	18.16	
14 7 1961	2.06	15.96	

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RINN AT JOHNSTON'S BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
27 10 1961	2.11	16.70		6 10 1966	1.88	13.41	
11 12 1961	2.50	22.98		2 12 1966	2.10	16.51	
17 1 1962	2.17	17.68		13 12 1966	2.40	21.32	
24 1 1962	1.89	13.45		24 12 1966	2.11	16.70	
4 4 1962	1.91	13.70		27 2 1967	2.10	16.46	
12 9 1962	2.19	17.92		8 3 1967	2.08	16.23	
1 10 1962	2.21	18.30		24 5 1967	1.91	13.75	
6 11 1962	2.27	19.12		10 10 1967	2.37	20.87	
11 12 1962	2.34	20.31		17 10 1967	2.16	17.49	
15 12 1962	2.20	18.16		1 11 1967	2.16	17.44	
18 3 1963	1.90	14.97		9 1 1968	2.64	25.56	
25 11 1963	2.57	24.26		21 9 1968	2.01	15.24	
24 3 1964	2.38	20.92		20 10 1968	2.05	15.73	
11 10 1964	2.77	27.85		3 11 1968	2.05	31.27	
13 12 1964	2.34	20.31		10 11 1968	2.01	15.15	
20 1 1965	2.64	25.56		22 11 1968	2.06	15.96	
18 11 1965	3.26	37.40		17 12 1968	2.01	15.24	
26 11 1965	2.59	24.60		25 12 1968	2.49	22.88	
9 12 1965	2.48	22.72		21 1 1969	2.52	23.35	
22 12 1965	2.05	15.82		22 12 1969	2.53	23.51	
4 1 1966	2.01	15.24		2 2 1970	1.91	13.79	
20 2 1966	2.19	17.87		23 2 1970	2.40	21.37	
23 4 1966	2.27	19.27		23 4 1970	2.13	16.97	

355002

BLACK AT BELLANTRA BRIDGE

GRID REF IN128894 AREA 97.0 SQ.KM
 PERIOD OF RECORD 1 10 1957 TO 30 9 1970

NPW THRESHOLD 12.70 GRADE C
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 1 1958	1.75	14.15		31 10 1965	1.74	14.06	
10 2 1958	1.69	13.30		18 11 1965	2.50	26.26	
13 8 1958	1.79	14.71		25 11 1965	1.97	17.41	
19 12 1958	1.62	12.36		2 12 1965	1.76	14.36	
22 8 1960	1.66	12.97		8 12 1965	1.77	14.41	
21 1 1961	1.88	16.13		12 12 1965	1.66	12.97	
12 7 1961	1.70	13.43		15 2 1966	1.70	13.43	
14 7 1961	1.74	14.02		9 4 1966	1.68	13.18	
16 9 1961	1.75	14.23		16 4 1966	1.81	15.06	
30 11 1961	1.74	14.11		22 4 1966	1.76	14.36	
11 12 1961	1.78	14.58		4 9 1966	1.80	14.84	
12 9 1962	1.73	13.85		3 10 1966	1.76	14.36	
26 9 1962	1.68	13.18		1 12 1966	1.76	14.36	
30 9 1962	1.71	13.60		10 12 1966	1.92	16.58	
5 11 1962	1.90	16.31		24 12 1966	1.64	12.72	
8 12 1962	1.90	16.31		27 2 1967	1.66	12.97	
21 10 1963	1.64	12.72		22 5 1967	1.83	15.28	
30 10 1963	1.90	16.40		9 10 1967	1.74	13.98	
23 11 1963	1.92	16.58		16 10 1967	1.66	12.97	
19 3 1964	1.70	13.51		31 10 1967	1.73	13.93	
20 3 1964	1.79	14.71		9 1 1968	2.09	19.32	
23 3 1964	1.76	14.36		13 1 1968	1.77	14.41	
7 10 1964	2.20	21.00		16 1 1968	1.70	13.55	
10 10 1964	1.91	16.49		20 9 1968	1.89	16.17	
8 12 1964	1.71	13.60		19 10 1968	1.66	12.89	
11 12 1964	1.70	13.55		1 11 1968	2.35	23.57	
9 1 1965	2.25	21.91		22 11 1968	1.80	14.88	
13 1 1965	1.68	13.26		25 12 1968	2.00	17.83	
18 1 1965	1.67	13.14		10 1 1969	1.73	13.85	
20 1 1965	1.65	12.76		12 1 1969	1.80	14.84	
24 5 1965	1.65	12.76		20 1 1969	1.79	14.71	
4 8 1965	1.67	13.05		21 12 1969	1.76	14.36	
				19 2 1970	1.74	14.11	
				22 4 1970	1.70	13.51	

355003

CLOONE AT RIVERSTOWN BRIDGE

GRID REF IN120980 AREA 99.0 SQ.KM
 PERIOD OF RECORD 1 10 1958 TO 30 9 1970
 SIGNIFICANT GAPS
 9 10 1967 TO 10 10 1967

OPW THRESHOLD 9.77 CUMECS GRADE C

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
20 12 1958	1.26	10.01		18 1 1965	1.28	10.26	
20 12 1959	1.30	10.46		20 1 1965	1.37	11.42	
30 1 1960	1.34	11.00		4 8 1965	1.25	9.81	
4 12 1960	1.24	9.77		31 10 1965	1.24	9.77	
26 12 1960	1.26	9.97		18 11 1965	2.40	28.89	
20 1 1961	1.55	14.03		25 11 1965	1.30	10.54	
15 7 1961	1.28	10.18		2 12 1965	1.34	11.09	
16 9 1961	1.43	12.37		9 12 1965	1.34	11.04	
22 10 1961	1.27	10.14		15 2 1966	1.52	13.67	
30 11 1961	1.44	12.50		27 3 1966	1.24	9.77	
5 12 1961	1.31	10.71		16 4 1966	1.35	11.21	
11 12 1961	1.46	12.73		1 12 1966	1.35	11.21	
12 9 1962	1.46	12.73		10 12 1966	1.49	13.22	
26 9 1962	1.29	10.38		6 7 1967	1.35	11.25	
30 9 1962	1.33	10.96		5 9 1967	1.27	10.09	
5 11 1962	1.35	11.17		9 10 1967	1.43	12.29	
9 12 1962	1.58	14.54		30 10 1967	1.25	9.81	
15 12 1962	1.37	11.42		9 1 1968	1.75	17.28	
20 12 1962	1.25	9.85		13 1 1968	1.34	11.04	
30 10 1963	1.43	12.33		16 1 1968	1.49	13.13	
10 11 1963	1.27	10.14		10 10 1968	1.24	9.77	
11 11 1963	1.28	10.18		2 11 1968	2.25	26.11	
21 11 1963	1.33	10.92		22 11 1968	1.31	10.63	
24 11 1963	1.51	13.53		24 12 1968	1.45	12.64	
20 3 1964	1.40	11.90		9 1 1969	1.29	10.34	
24 3 1964	1.32	10.84		11 1 1969	1.29	10.42	
7 10 1964	1.65	15.63		20 1 1969	1.31	10.59	
9 10 1964	1.58	14.49		9 2 1970	1.26	9.97	
12 12 1964	1.28	10.22		19 2 1970	1.33	10.92	
10 1 1965	1.60	14.87		22 4 1970	1.40	11.90	
13 1 1965	1.35	11.17		17 8 1970	1.51	13.49	

356001

BALLYFINROY AT BALLYHOONEY BR

GRID REF IR863958 AREA 157. SQ.KM
 PERIOD OF RECORD 1 10 1957 TO 30 9 1970
 SIGNIFICANT GAPS
 21 6 1965 TO 28 6 1965

OPW THRESHOLD 4.25 CUMECS GRADE A1

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
29 10 1957	1.31	5.18		25 10 1961	1.35	5.46	
7 1 1958	1.47	6.26		13 12 1961	1.50	6.48	
28 1 1958	1.45	6.13		17 1 1962	1.43	5.98	
12 2 1958	1.85	9.33		10 4 1962	1.26	4.86	
25 2 1958	1.65	7.60		7 11 1962	1.70	8.00	
4 9 1958	1.37	5.56		11 12 1962	1.34	5.36	
24 9 1958	1.25	4.79		9 2 1963	1.49	6.41	
7 1 1959	1.47	6.30		14 2 1963	1.16	4.26	
21 1 1959	1.22	4.61		16 3 1963	1.26	4.86	
26 4 1959	1.27	4.92		30 10 1963	1.23	4.67	
9 12 1959	1.28	4.96		25 11 1963	1.60	7.19	
29 12 1959	2.37	15.80		4 1 1964	1.26	4.86	
3 2 1960	1.61	7.28		24 3 1964	1.20	4.48	
4 9 1960	1.25	4.81		15 12 1964	2.05	11.68	
20 9 1960	1.83	9.17		18 1 1965	2.18	13.26	
3 10 1960	1.28	4.98		26 3 1965	1.32	5.26	
6 12 1960	2.24	13.98		3 5 1965	1.19	4.42	
12 12 1960	1.83	9.17		9 5 1965	1.17	4.29	
6 1 1961	1.85	9.37					
7 2 1961	2.07	11.86					

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RALLYFINBOY AT BALLYHOONEY BR

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 11 1965	1.24	4.73		30 11 1967	1.25	4.79	
18 12 1965	1.85	6.43		24 12 1967	1.32	5.24	
1 1 1966	1.42	5.94		17 1 1968	1.81	8.95	
5 2 1966	1.61	7.30		31 1 1968	1.26	4.86	
1 3 1966	1.53	6.67		23 3 1968	1.41	5.86	
16 4 1966	1.47	6.30					
14 6 1966	1.34	5.36		3 11 1968	1.46	6.19	
				22 11 1968	1.46	6.17	
19 10 1966	1.28	4.96		27 12 1968	2.31	15.00	
14 12 1966	1.24	4.77		23 1 1969	2.12	12.53	
25 1 1967	1.22	4.63		15 5 1969	1.21	4.58	
1 3 1967	1.97	10.71					
7 3 1967	1.49	6.41		9 2 1970	1.57	6.99	
				23 2 1970	1.71	8.05	
17 10 1967	1.45	6.15		25 4 1970	1.64	7.53	
2 11 1967	1.54	6.78					

354001

SHIVEN AT BALLINAMORE BRIDGE

GRID REF IM760488 AREA 229 SQ. KM
 PERIOD OF RECORD 1 10 1952 TO 30 9 1970

OPW THRESHOLD 21.97 GRADE A1
 CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
31 8 1953	2.09	25.43		16 9 1961	2.32	33.05	
1 11 1953	1.99	27.24		30 11 1961	2.07	24.68	
15 11 1953	2.27	31.44		11 12 1961	2.27	31.12	
3 12 1953	2.15	27.36		17 1 1962	2.07	24.68	
25 1 1954	1.98	22.15		7 4 1962	2.01	22.86	
23 2 1954	2.02	23.31		26 8 1962	2.01	22.86	
22 3 1954	2.13	26.77		12 9 1962	2.22	29.57	
16 9 1954	2.46	38.13					
				5 11 1962	2.29	32.08	
5 10 1954	2.25	30.60		8 12 1962	2.43	37.20	
16 10 1954	2.46	38.36					
18 10 1954	2.89	56.71		22 10 1963	2.07	24.68	
23 10 1954	2.00	22.77		31 10 1963	2.52	40.75	
27 10 1954	2.36	34.48		18 11 1963	2.29	31.87	
30 11 1954	2.18	27.15		24 11 1963	2.37	34.92	
2 12 1954	2.40	36.05		11 5 1964	2.00	22.59	
6 12 1954	2.53	41.00		19 7 1964	3.07	65.43	
21 1 1955	2.22	29.57					
4 2 1955	2.10	25.81		7 10 1964	3.07	65.74	
1 3 1955	2.13	26.58		10 10 1964	2.07	24.68	
				16 10 1964	2.16	27.56	
21 1 1956	2.10	25.62		9 12 1964	2.08	25.15	
				13 12 1964	2.25	30.60	
1 1 1957	2.07	24.68		10 1 1965	2.29	31.87	
22 1 1957	2.25	30.60		13 1 1965	2.22	29.57	
23 3 1957	1.98	21.97					
				31 10 1965	1.98	21.97	
30 10 1957	2.14	26.97		18 11 1965	2.55	41.73	
10 1 1958	2.10	25.62		25 11 1965	2.56	41.98	
25 1 1958	2.20	28.75		9 12 1965	2.01	22.86	
11 2 1958	2.34	33.81		13 12 1965	2.16	27.56	
24 2 1958	2.01	22.86		17 12 1965	2.22	27.57	
				21 2 1966	2.12	26.39	
29 12 1958	2.01	22.86		27 6 1966	1.98	21.97	
				4 9 1966	2.71	48.38	
15 11 1959	2.25	30.60					
24 12 1959	2.26	30.91		1 12 1966	2.91	25.91	
27 12 1959	2.19	28.55		10 12 1966	2.13	26.58	
29 12 1959	2.13	26.58		27 2 1967	2.14	27.07	
22 1 1960	2.10	25.62		7 3 1967	1.98	21.97	
26 1 1960	2.07	24.87		24 5 1967	2.03	23.49	
30 1 1960	2.07	24.68		18 8 1967	2.13	26.58	
19 9 1960	2.05	24.22					
				9 10 1967	2.89	56.71	
4 12 1960	2.28	31.65		17 10 1967	2.20	29.06	
6 12 1960	1.99	22.50		1 11 1967	2.04	23.76	
21 1 1961	2.13	26.58		23 12 1967	2.05	24.22	
25 1 1961	1.98	22.15		9 1 1968	2.34	33.81	
12 7 1961	2.39	35.60					
14 7 1961	2.34	33.81		19 10 1968	2.05	24.22	

359001 SHIVEN AT BALLINAMORE BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 11 1968	3.00	67.20		22 12 1969	2.49	39.31	
14 12 1968	2.27	31.44		22 4 1970	2.28	31.65	
25 12 1968	2.59	43.22		16 8 1970	2.19	28.55	
13 1 1969	1.98	21.97					
20 1 1969	2.27	31.12					

359002 SUCK AT ROOKWOOD HOUSE

GRID REF IM808570 AREA 623. SQ.KM OPW THRESHOLD 35.40 GRADE A1
 PERIOD OF RECORD 1 10 1952 TO 30 9 1970 CUMECS
 SIGNIFICANT GAPS 27 10 1963 TO 1 11 1963

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
2 9 1953	1.68	40.62		26 10 1961	1.83	48.50	
3 11 1953	1.79	46.46		17 12 1961	2.01	59.42	
16 11 1953	1.71	42.20		18 1 1962	1.85	49.37	
6 12 1953	1.75	43.97		14 9 1962	1.80	46.80	
26 1 1954	1.75	44.30		7 11 1962	1.62	37.25	
14 2 1954	1.65	39.07		11 12 1962	1.84	48.85	
26 2 1954	1.69	40.93		2 11 1963	1.79	46.46	
24 3 1954	1.58	35.48		26 11 1963	1.96	56.39	
19 8 1954	1.66	39.22		20 8 1964	1.70	41.56	
12 9 1954	1.79	46.46		30 8 1964	1.61	36.95	
18 9 1954	1.83	49.50		9 10 1964	2.09	64.32	
6 10 1954	1.58	35.48		18 10 1964	1.84	49.02	
20 10 1954	2.55	93.38		14 12 1964	1.85	49.89	
28 10 1954	1.93	54.36		14 1 1965	1.86	50.24	
3 12 1954	2.01	59.03		20 9 1965	1.70	41.25	
10 12 1954	2.06	62.53		3 11 1965	1.67	39.99	
18 1 1955	1.61	36.95		20 11 1965	2.32	80.50	
23 1 1955	1.79	46.46		28 11 1965	1.98	57.14	
3 3 1955	1.83	48.67		12 12 1965	1.76	44.79	
9 6 1955	1.63	38.15		19 12 1965	1.62	37.40	
8 9 1956	1.60	36.51		22 2 1966	1.63	37.85	
14 12 1956	1.58	35.48		3 3 1966	1.62	37.40	
2 1 1957	1.94	54.72		6 9 1966	1.74	43.65	
25 1 1957	1.92	53.45		16 10 1966	1.59	35.77	
25 2 1957	1.60	36.21		4 12 1966	1.65	38.76	
25 3 1957	1.71	42.04		13 12 1966	1.64	38.46	
19 9 1957	1.60	36.36		29 2 1967	1.66	39.22	
25 9 1957	1.86	50.41		9 3 1967	1.63	37.85	
31 10 1957	1.70	41.56		11 10 1967	2.07	62.92	
12 1 1958	1.68	40.30		3 11 1967	1.82	47.99	
27 1 1958	1.79	46.46		25 12 1967	1.64	38.46	
13 2 1958	1.88	51.65		11 1 1968	1.89	52.01	
22 12 1958	1.79	46.46		13 10 1968	1.63	37.70	
4 1 1959	1.76	44.79		21 10 1968	1.63	37.70	
22 1 1959	1.59	35.77		3 11 1968	2.56	99.39	
17 11 1959	1.76	44.79		24 11 1968	1.67	39.84	
29 12 1959	1.89	52.01		16 12 1968	1.79	46.46	
24 1 1960	1.70	46.46		26 12 1968	1.85	49.89	
1 2 1960	1.85	49.71		15 1 1969	1.78	45.96	
21 9 1960	1.69	41.09		23 12 1969	2.02	59.99	
6 12 1960	1.83	48.50		23 2 1970	1.82	48.16	
3 1 1961	1.66	39.53		24 4 1970	1.65	39.07	
23 1 1961	1.80	46.80		18 8 1970	2.01	59.03	
26 1 1961	1.62	37.25		20 9 1970	1.88	51.65	
15 7 1961	1.83	48.67					
18 9 1961	1.63	33.15					

359003

RUNOWEN AT BALLINRUANE BRIDGE

GRID REF IM791367 AREA 99.0 SQ. KM
PERIOD OF RECORD 1 10 1954 TO 30 9 1970OPW THRESHOLD 8.25 GRADE A2
CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 10 1954	1.31	8.94		10 10 1964	1.43	10.57	
18 10 1954	1.49	11.33		16 10 1964	1.26	8.34	
27 10 1954	1.36	9.56		8 12 1964	1.40	10.08	
2 12 1954	1.75	15.26		12 12 1964	1.57	12.46	
7 12 1954	1.60	12.91		13 1 1965	1.41	10.20	
14 12 1954	1.28	8.64		17 1 1965	1.31	8.90	
4 2 1955	1.32	9.09					
				17 11 1965	1.52	11.76	
26 1 1956	1.26	8.34		25 11 1965	1.40	12.86	
				3 12 1965	1.28	8.60	
8 11 1956	1.25	8.26		9 12 1965	1.39	9.96	
25 12 1956	1.31	8.98		12 12 1965	1.47	11.03	
31 12 1956	1.40	10.12		17 12 1965	1.47	11.11	
23 1 1957	1.33	9.17		21 2 1966	1.32	9.13	
				16 4 1966	1.30	8.86	
30 10 1957	1.42	10.45		22 4 1966	1.36	9.56	
10 2 1958	1.41	10.24		27 6 1966	1.28	8.52	
24 2 1958	1.28	8.52		4 9 1966	1.49	11.41	
19 12 1958	1.22	7.86		13 10 1966	1.26	8.30	
				10 12 1966	1.37	9.68	
27 12 1959	1.70	14.44		27 2 1967	1.45	16.99	
29 12 1959	1.50	11.54		18 8 1967	1.36	15.35	
19 4 1960	1.35	9.52		10 9 1967	1.40	16.06	
				17 9 1967	0.95	8.84	
8 10 1960	1.27	3.49					
11 11 1960	1.42	10.41		10 10 1967	1.84	24.70	
24 11 1960	1.26	3.34		16 10 1967	1.52	18.24	
4 12 1960	1.35	9.48		30 10 1967	1.42	16.39	
20 1 1961	1.35	9.48		1 11 1967	1.36	15.41	
25 1 1961	1.27	3.41		8 1 1968	1.42	16.50	
14 7 1961	1.62	13.23		16 1 1968	1.36	15.35	
16 9 1961	1.46	10.90		19 3 1968	0.91	8.28	
				23 3 1968	1.36	15.41	
25 10 1961	1.37	9.72					
30 11 1961	1.51	11.67		19 10 1968	0.99	9.50	
11 12 1961	1.37	9.68		1 11 1968	1.70	21.74	
13 12 1961	1.42	10.45		23 11 1968	1.09	10.87	
17 1 1962	1.29	3.67		14 12 1968	1.17	12.27	
2 4 1962	1.38	9.80		21 12 1968	1.03	10.04	
				25 12 1968	1.61	19.99	
5 11 1962	1.34	9.33		10 1 1969	0.97	9.19	
8 12 1962	1.39	9.96		13 1 1969	1.07	10.59	
11 12 1962	1.30	3.83		17 1 1969	1.02	9.90	
				20 1 1969	1.32	14.66	
30 10 1963	1.27	8.45					
18 11 1963	1.30	3.86		3 12 1969	0.99	9.50	
24 11 1963	1.46	10.90		19 2 1970	1.19	12.51	
11 5 1964	1.29	8.71		21 2 1970	1.10	11.06	
				22 4 1970	1.26	13.62	
7 10 1964	1.77	15.56		25 4 1970	1.26	13.72	

359005

SUCK AT DERRYPHILL BRIDGE

GRID REF IMB26425 AREA 1050. SQ. KM
PERIOD OF RECORD 16 9 1954 TO 30 9 1970OPW THRESHOLD 54.40 GRADE A1
CUMECs

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 9 1954	2.08	82.21		23 1 1956	1.72	56.82	
				29 1 1956	1.85	65.49	
6 10 1954	1.77	59.64		29 9 1956	1.76	59.23	
20 10 1954	2.36	125.56					
28 10 1954	2.25	96.74		11 11 1956	1.68	55.34	
3 12 1954	2.35	105.80		18 12 1956	1.91	69.19	
22 1 1955	1.99	75.54		1 1 1957	2.28	99.43	
7 2 1955	1.92	60.86		25 3 1957	1.77	59.84	
4 3 1955	1.91	60.41		26 9 1957	1.95	72.78	
8 6 1955	1.91	60.41					
				1 11 1957	1.99	75.78	
15 12 1955	1.83	63.79		11 1 1958	1.89	68.09	
29 12 1955	1.68	55.08		28 1 1958	1.88	67.22	

359005

SUCK AT DERRYPHILL BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
14 2 1958	2.01	76.71		19 10 1964	1.90	68.75	
25 2 1958	1.68	55.34		14 12 1964	2.21	93.07	
14 8 1958	1.85	65.27		14 1 1965	2.30	100.82	
22 12 1958	1.82	63.36		21 11 1965	2.37	107.78	
3 1 1959	1.94	71.65		27 11 1965	2.23	95.17	
16 11 1959	1.93	70.97		13 12 1965	2.20	92.28	
9 12 1959	1.75	58.62		22 2 1966	1.92	69.86	
27 12 1959	2.30	101.36		5 3 1966	1.67	54.55	
3 2 1960	2.13	84.91		24 4 1966	1.80	61.69	
21 9 1960	1.68	55.21		5 9 1966	1.70	55.88	
14 11 1960	1.76	59.23		3 12 1966	1.68	55.08	
28 11 1960	1.75	58.42		16 12 1966	1.84	64.42	
7 12 1960	2.18	90.73		28 2 1967	1.91	69.19	
6 1 1961	1.95	72.33		11 3 1967	1.79	61.07	
6 2 1961	1.85	65.49		25 5 1967	1.70	55.88	
17 7 1961	2.10	84.42		11 10 1967	2.44	114.12	
27 10 1961	2.05	70.79		4 11 1967	2.13	86.66	
14 12 1961	2.20	92.28		25 12 1967	1.85	65.06	
19 1 1962	1.86	66.13		13 1 1968	2.22	94.11	
5 4 1962	1.73	57.49		21 10 1968	1.84	64.42	
14 9 1962	1.67	54.55		4 11 1968	2.63	133.74	
7 11 1962	1.79	61.07		12 11 1968	1.74	57.76	
10 12 1962	2.10	83.92		25 11 1968	2.01	76.71	
17 3 1963	1.75	58.22		26 12 1968	2.37	107.21	
1 11 1963	1.99	75.78		21 1 1969	2.22	94.11	
25 11 1963	2.23	94.64		23 12 1969	2.26	97.30	
12 5 1964	1.68	55.08		23 2 1970	2.10	84.42	
20 7 1964	1.87	66.35		25 4 1970	1.95	72.10	
9 10 1964	2.38	108.35		20 8 1970	1.79	61.28	
				21 9 1970	1.79	61.28	

359007

SUCK AT BELLGILL BRIDGE

GRID REF IM842347 AREA 1156.90 KM² OPW THRESHOLD 54.00 CUMECs GRADE A1
 PERIOD OF RECORD 1 10 1952 TO 30 9 1970
 SIGNIFICANT GAPS 21 10 1958 TO 5 10 1958 11 1 1959 TO 22 1 1959

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
25 12 1952	2.26	59.22		26 1 1957	2.57	83.69	
2 9 1953	2.33	62.44		25 3 1957	2.20	56.97	
4 11 1953	2.29	60.60		26 9 1957	2.33	62.44	
16 11 1953	2.43	68.40		31 10 1957	2.40	65.70	
5 12 1953	2.35	63.39		11 1 1958	2.32	62.04	
28 1 1954	2.21	57.10		28 1 1958	2.29	60.56	
14 2 1954	2.28	60.29		15 2 1958	2.42	67.19	
26 2 1954	2.37	64.33		25 2 1958	2.16	55.00	
23 3 1954	2.19	56.31		14 8 1958	2.27	59.76	
17 9 1954	2.46	71.17		22 12 1958	2.24	58.29	
5 10 1954	2.20	56.71		2 1 1959	2.31	61.63	
20 10 1954	2.83	116.22		30 12 1959	2.70	99.09	
28 10 1954	2.59	85.08		3 2 1960	2.59	85.08	
10 12 1954	2.74	104.60		13 4 1960	2.24	58.29	
22 1 1955	2.36	63.93		20 9 1960	2.19	56.31	
7 2 1955	2.31	61.36		4 11 1960	2.14	54.21	
2 3 1955	2.28	60.29		12 11 1960	2.25	58.96	
8 6 1955	2.30	60.96		6 12 1960	2.59	83.43	
15 12 1955	2.22	57.63		6 1 1961	2.37	64.33	
29 1 1956	2.31	61.63		30 1 1961	2.37	64.33	
17 8 1956	2.16	54.87		16 7 1961	2.43	68.70	
29 9 1956	2.22	57.63		27 10 1961	2.47	72.43	
10 11 1956	2.14	54.34		14 12 1961	2.60	86.85	
16 12 1956	2.32	62.04		18 1 1962	2.48	73.06	
1 1 1957	2.64	91.18					

359007

SUCK AT BELLAGILL BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 4 1962	2.28	60.29		3 12 1966	2.18	56.05	
15 9 1962	2.17	55.26		16 12 1966	2.28	60.29	
7 11 1962	2.23	57.90		28 2 1967	2.36	63.66	
12 12 1962	2.49	74.98		11 3 1967	2.26	59.22	
17 3 1963	2.24	58.43		25 5 1967	2.15	54.74	
1 11 1963	2.40	65.70		12 10 1967	2.69	97.93	
26 11 1963	2.65	92.28		3 11 1967	2.50	75.63	
20 3 1964	2.17	55.26		25 12 1967	2.28	60.29	
12 5 1964	2.21	57.23		13 1 1968	2.49	85.08	
20 7 1964	2.34	62.98		24 3 1968	2.14	54.34	
11 10 1964	2.70	99.48		21 10 1968	2.22	57.63	
17 10 1964	2.34	62.98		5 11 1968	2.98	138.98	
14 12 1964	2.59	85.08		25 11 1968	2.38	64.61	
15 1 1965	2.68	96.79		26 12 1968	2.74	103.81	
24 3 1965	2.17	55.39		22 1 1969	2.62	88.64	
21 11 1965	2.77	107.84		23 12 1969	2.62	88.64	
13 12 1965	2.64	91.18		10 2 1970	2.16	55.00	
5 1 1966	2.14	54.21		23 2 1970	2.51	76.61	
22 2 1966	2.37	64.33		25 4 1970	2.41	66.59	
24 4 1966	2.33	62.31		20 8 1970	2.26	59.22	
				22 9 1970	2.22	57.63	

360002

SUIR AT BEAKSTOWN LODGE

GRID REF IS093555 AREA 762. SQ.KM OPW THRESHOLD 36.24 GRADE B CUMECs
 PERIOD OF RECORD 1 10 1954 TO 30 9 1970
 SIGNIFICANT GAPS 28 12 1958 TO 29 12 1958 19 2 1966 TO 28 2 1966

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
29 10 1954	1.09	61.37		11 12 1961	0.93	38.85	
28 11 1954	1.01	49.45		16 1 1962	0.97	43.93	
9 12 1954	1.06	57.85		7 11 1962	1.17	77.50	
14 12 1954	0.92	38.10		7 2 1963	0.92	37.74	
3 2 1955	1.18	79.31		31 10 1963	1.18	79.31	
7 2 1955	1.06	56.39		11 11 1963	0.97	43.93	
27 1 1956	0.92	39.10		22 11 1963	1.00	48.14	
8 9 1956	0.99	46.85		20 3 1964	0.97	43.93	
1 1 1957	1.05	54.95		25 3 1964	0.91	36.65	
24 1 1957	1.01	49.01		9 12 1964	1.04	54.48	
4 2 1957	0.99	46.00		14 12 1964	1.32	110.20	
21 3 1957	0.96	41.93		17 1 1965	1.15	73.37	
25 9 1957	0.96	42.32		18 11 1965	1.26	96.31	
6 1 1958	0.99	46.00		2 12 1965	1.00	48.14	
28 1 1958	1.01	49.45		10 12 1965	1.08	60.35	
11 2 1958	1.05	54.95		18 12 1965	1.08	60.35	
29 8 1958	1.24	92.18		29 1 1966	1.07	58.84	
5 9 1958	1.10	63.97		5 2 1966	1.02	50.34	
25 9 1958	1.02	50.34		12 2 1966	0.92	38.10	
30 9 1958	1.09	61.37		10 4 1966	0.97	43.93	
20 12 1958	1.07	58.35		17 4 1966	1.03	51.70	
22 1 1959	0.94	39.98		7 10 1966	1.00	48.14	
9 12 1959	0.94	39.98		14 10 1966	1.02	50.34	
29 12 1959	1.03	52.61		19 10 1966	1.05	55.43	
3 2 1960	1.03	52.61		24 1 1967	0.91	36.29	
15 9 1960	1.11	65.03		23 2 1967	1.11	65.56	
19 9 1960	1.03	52.61		28 2 1967	1.16	73.95	
3 10 1960	0.99	46.00		8 10 1967	1.01	49.89	
3 11 1960	0.99	46.00		17 10 1967	1.09	62.40	
25 11 1960	1.05	55.91		2 11 1967	0.96	43.12	
6 12 1960	1.30	104.93		7 11 1967	0.95	41.14	
19 1 1961	1.02	50.34		9 1 1968	1.03	51.70	
3 2 1961	1.17	76.30		14 1 1968	1.02	50.79	
6 2 1961	1.08	60.35					

360002

SUIR AT BEAKSTOWN LODGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
16 1 1968	0.94	39.98		13 1 1969	1.12	66.64	
24 3 1968	0.92	37.37		18 1 1969	1.14	70.51	
14 12 1968	1.24	90.17		21 1 1969	1.32	110.20	
18 12 1968	1.05	54.95		20 1 1970	0.94	39.98	
25 12 1968	1.58	190.43		25 1 1970	0.98	44.75	
10 1 1969	1.18	70.31		22 2 1970	1.07	59.34	

360003

CLODIAGH AT RATHKENNAN BRIDGE

GRID REF IS052530 AREA 244. SQ.KM OPW GRADE B
 PERIOD OF RECORD 11 9 1954 TO 30 9 1970 THRESHOLD 24.30 CUMECS
 SIGNIFICANT GAPS
 19 12 1955 TO 26 12 1955 24 2 1958 TO 3 3 1958 3 11 1958 TO 10 11 1958
 11 2 1963 TO 18 2 1963

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
23 10 1954	2.39	27.22		2 4 1962	2.43	28.05	
26 10 1954	2.51	29.68		29 9 1962	2.25	24.31	
30 11 1954	2.31	25.53		5 11 1962	2.48	29.02	
31 12 1954	2.27	24.80		6 2 1963	2.28	24.92	
2 2 1955	2.31	25.53		30 10 1963	2.59	31.35	
6 2 1955	2.39	27.15		10 11 1963	2.37	26.78	
29 2 1955	2.25	24.31		18 11 1963	2.47	28.89	
21 1 1956	2.43	28.05		21 11 1963	2.57	31.01	
23 1 1957	2.31	25.53		23 2 1964	2.25	24.31	
19 3 1957	2.26	24.43		19 3 1964	2.43	27.92	
24 9 1957	2.56	30.68		17 8 1964	2.56	30.68	
29 10 1957	2.43	28.05		7 12 1964	2.46	28.70	
10 1 1958	2.40	27.41		8 12 1964	2.54	30.34	
25 1 1958	2.30	25.35		13 12 1964	2.80	36.26	
27 1 1958	2.28	24.92		17 1 1965	2.62	32.03	
10 2 1958	2.60	31.76		8 5 1965	2.28	24.92	
27 8 1958	2.57	31.01		17 9 1965	2.34	26.15	
2 9 1958	2.25	24.31		16 11 1965	2.49	29.28	
23 9 1958	2.40	27.41		26 11 1965	2.34	26.15	
19 12 1958	2.34	26.15		1 12 1965	2.48	29.02	
1 1 1959	2.31	25.53		22 12 1965	2.43	28.05	
6 1 1959	2.31	25.59		29 12 1965	2.31	25.53	
13 11 1959	2.28	24.92		29 1 1966	2.49	29.35	
9 12 1959	2.34	26.15		4 2 1966	2.39	27.09	
29 12 1959	2.46	28.70		25 2 1966	2.28	24.92	
21 1 1960	2.25	24.31		1 3 1966	2.43	27.98	
26 1 1960	2.25	24.31		1 4 1966	2.34	26.15	
1 2 1960	2.34	26.09		9 4 1966	2.43	27.98	
13 9 1960	2.51	29.68		16 4 1966	2.45	28.37	
17 9 1960	2.31	25.53		22 4 1966	2.39	27.09	
1 11 1960	2.59	31.35		5 10 1966	2.36	26.46	
20 11 1960	2.30	25.22		9 12 1966	2.31	25.53	
24 11 1960	2.56	30.68		22 2 1967	2.62	32.03	
4 12 1960	2.74	34.82		27 2 1967	2.61	31.83	
5 1 1961	2.25	24.31		6 10 1967	2.49	29.22	
18 1 1961	2.40	27.41		16 10 1967	2.34	26.15	
2 2 1961	2.60	31.69		13 12 1968	2.28	24.92	
20 4 1961	2.31	25.53		25 12 1968	2.71	34.11	
22 10 1961	2.30	25.22		10 1 1969	2.47	28.89	
9 12 1961	2.35	26.40		21 1 1969	2.43	32.37	
15 3 1962	2.25	24.31		21 2 1970	2.57	31.01	

360007

AHERLOW AT KILLARDRY BRIDGE

GRID REF IS017295 AREA 274.4 SQ.KM
 PERIOD OF RECORD 1 9 1954 TO 30 9 1970
 SIGNIFICANT GAPS
 28 11 1955 TO 16 2 1956 4 12 1961 TO

OPW THRESHOLD 41.00 GRADE B
 CUMECS

18 12 1961 18 3 1965 TO 21 3 1965

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
26 10 1954	1.59	65.52		15 1 1962	1.16	41.83	
29 10 1954	1.26	47.02		15 3 1962	1.56	63.90	
27 11 1954	1.17	42.15		2 4 1962	1.26	47.02	
30 11 1954	1.41	55.45		29 9 1962	1.21	44.56	
8 12 1954	1.31	49.51		9 2 1963	1.75	75.29	
31 12 1954	2.25	107.98		13 2 1963	1.16	41.83	
10 1 1955	1.15	41.35		8 3 1963	1.17	42.31	
1 3 1955	1.56	63.72		14 3 1963	1.31	49.67	
20 3 1956	1.32	50.18		30 10 1963	1.79	78.12	
25 3 1956	1.46	57.88		11 11 1963	1.38	53.56	
26 3 1956	1.30	49.17		11 12 1963	1.74	74.92	
8 11 1956	1.34	51.52		18 3 1964	1.87	82.91	
25 12 1956	1.72	73.61		17 8 1964	2.13	100.16	
28 12 1956	1.50	60.69		13 1 1965	1.38	53.90	
30 12 1956	1.98	90.14		16 1 1965	1.39	54.42	
1 1 1957	1.35	52.03		1 5 1965	1.36	52.71	
23 1 1957	1.25	46.36		4 8 1965	1.17	42.31	
3 2 1957	1.35	51.69		17 9 1965	1.21	44.56	
4 2 1957	1.29	48.67		16 11 1965	2.39	117.65	
19 3 1957	1.24	46.20		9 12 1965	1.46	58.06	
25 9 1957	2.69	139.23		10 1 1966	1.35	52.20	
25 1 1958	1.21	44.08		25 1 1966	1.31	49.51	
28 1 1958	1.56	63.72		29 1 1966	1.21	44.56	
10 2 1958	1.36	52.37		15 2 1966	1.37	52.88	
19 8 1958	1.58	65.16		5 4 1966	1.25	46.52	
27 8 1958	2.22	105.90		9 4 1966	1.38	53.73	
2 9 1958	2.08	96.32		16 4 1966	1.56	64.26	
19 12 1958	1.59	65.70		6 10 1966	1.19	43.43	
19 1 1959	1.28	48.17		22 2 1967	1.56	64.26	
8 12 1959	1.38	53.90		17 9 1967	1.20	43.59	
9 12 1959	1.22	45.05		16 10 1967	1.21	44.56	
2 2 1960	1.17	42.15		23 3 1968	1.16	41.67	
14 9 1960	1.62	67.52		2 11 1968	1.34	51.19	
1 10 1960	1.22	44.73		10 11 1968	1.41	55.45	
1 11 1960	1.20	43.76		13 12 1968	2.78	145.97	
21 11 1960	1.30	49.17		25 12 1968	1.84	80.79	
4 12 1960	2.02	92.71		9 1 1969	2.44	121.07	
18 1 1961	1.54	62.65		12 1 1969	1.32	50.34	
25 1 1961	1.50	60.69		17 1 1969	1.91	85.23	
27 1 1961	1.37	53.22		20 1 1969	1.84	81.18	
2 2 1961	1.17	41.99		19 1 1970	1.10	38.52	

360008

SUIR AT NEW BRIDGE

GRID REF IS000342 AREA 1091. SQ.KM
 PERIOD OF RECORD 1 10 1953 TO 30 9 1970
 SIGNIFICANT GAPS
 28 11 1954 TO 29 11 1954 2 9 1958 TO
 3 1 1962 TO 25 1 1962 3 1 1969 TO

OPW THRESHOLD 57.00 GRADE A1
 CUMECS

5 9 1958 13 10 1958 TO 25 10 1958
 16 6 1969

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
29 10 1954	2.17	95.18		14 1 1956	1.50	59.83	
30 11 1954	2.20	97.01		22 1 1956	1.76	73.02	
13 12 1954	2.14	93.68		27 1 1956	1.85	78.15	
31 12 1954	2.09	90.71		26 3 1956	1.62	65.90	
5 2 1955	2.29	101.69		1 1 1957	2.09	90.87	
1 3 1955	1.53	61.22		25 1 1957	1.91	80.90	
14 12 1955	1.73	71.75		21 3 1957	1.69	69.37	
30 12 1955	1.51	60.29		25 9 1957	2.10	91.20	

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SUIR AT NEW BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
15 2 1958	1.58	63.87		21 1 1965	1.86	78.47	
28 8 1958	1.99	85.45		23 3 1965	1.46	57.67	
6 9 1958	1.49	59.21		4 5 1965	1.46	57.97	
23 9 1958	1.48	58.59					
				18 11 1965	2.04	87.91	
21 12 1958	1.79	74.62		10 12 1965	2.32	103.54	
6 1 1959	1.61	65.43		22 12 1965	1.73	71.75	
21 1 1959	1.74	72.38		1 1 1966	1.46	57.67	
				29 1 1966	2.10	91.20	
9 12 1959	2.09	90.87		4 2 1966	1.79	74.78	
29 12 1959	2.09	90.71		1 3 1966	1.64	67.00	
23 1 1960	1.55	62.31		10 4 1966	1.84	77.35	
26 1 1960	1.50	59.67		17 4 1966	2.08	90.05	
3 2 1960	1.94	82.68		24 4 1966	1.62	65.74	
19 4 1960	1.96	83.66					
				7 10 1966	1.79	74.94	
3 11 1960	1.90	80.41		18 10 1966	1.55	62.46	
20 11 1960	2.13	92.69		10 12 1966	1.58	63.87	
4 12 1960	2.59	118.17		24 12 1966	1.55	62.31	
11 12 1960	1.69	69.37		25 1 1967	1.62	66.06	
29 12 1960	1.69	69.37		23 2 1967	2.03	87.42	
18 1 1961	1.90	80.41		28 2 1967	2.16	94.51	
6 2 1961	2.36	105.73					
				7 10 1967	1.69	69.68	
13 12 1961	1.57	63.55		18 10 1967	1.85	77.99	
27 1 1962	1.49	59.21		2 11 1967	1.81	76.06	
5 4 1962	1.55	62.46		7 11 1967	1.56	62.93	
				9 1 1968	2.04	88.07	
6 11 1962	1.82	76.54		18 1 1968	1.95	83.50	
9 2 1963	1.51	60.29		24 3 1968	1.52	60.75	
17 3 1963	1.66	68.10					
				15 12 1968	2.23	98.51	
1 11 1963	2.11	91.70		24 12 1968	2.58	117.65	
4 11 1963	1.57	63.24		10 1 1969	2.17	95.01	
12 11 1963	1.76	73.34					
26 11 1963	1.97	84.47		21 12 1969	1.58	64.02	
17 8 1964	1.60	65.12		24 1 1970	1.78	74.46	
				2 2 1970	1.60	64.96	
13 12 1964	2.37	106.24		9 2 1970	1.83	77.02	
16 1 1965	2.41	108.27		22 2 1970	2.35	105.06	

360009

SUIR AT CAHIR HOUSE

GRID REF IS050255 AREA 1547. SQ. KM OPW THRESHOLD 105.00 GRADE A1
 PERIOD OF RECORD 1 10 1953 TO 30 9 1970 CUMECS
 SIGNIFICANT GAPS
 19 3 1956 TO 25 3 1956 10 2 1970 TO 13 2 1970

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
2 11 1953	1.96	130.89		4 2 1957	1.91	125.09	
3 12 1953	2.22	159.64		7 2 1957	1.76	110.12	
14 12 1953	1.72	106.49		20 3 1957	1.76	110.12	
25 1 1954	1.91	125.09		25 9 1957	2.46	188.29	
13 2 1954	1.75	109.51					
26 2 1954	1.89	123.49		10 1 1958	1.84	118.45	
2 3 1954	1.91	125.41		28 1 1958	2.13	148.90	
				10 2 1958	1.95	129.91	
27 10 1954	2.02	136.79		27 8 1958	2.32	171.02	
29 10 1954	2.06	141.79		3 9 1958	2.23	161.04	
30 11 1954	2.13	148.90					
8 12 1954	1.93	127.65		19 12 1958	1.84	118.45	
31 12 1954	2.36	175.74		22 1 1959	1.78	111.95	
5 2 1955	2.06	141.12					
8 2 1955	2.02	137.12		10 12 1959	2.16	152.68	
1 3 1955	1.87	121.28		29 12 1959	2.10	145.83	
				4 1 1960	1.75	108.90	
14 12 1955	1.73	107.09		3 2 1960	2.03	138.78	
13 1 1956	1.85	119.70		14 9 1960	1.95	130.24	
26 3 1956	1.79	113.48		19 9 1960	1.97	131.87	
25 12 1956	1.88	122.86		3 11 1960	1.76	110.42	
28 12 1956	1.80	114.41		25 11 1960	1.97	131.54	
30 12 1956	2.21	158.94		4 12 1960	2.60	205.81	
23 1 1957	1.73	107.09		19 1 1961	2.09	145.16	

360009

SUIR AT CAHIR HOUSE

DATE	LEVEL	DISCHARGE	NOTE
21 1 1961	1.79	112.87	
25 1 1961	1.78	117.56	
2 2 1961	2.38	178.29	
15 3 1962	1.72	106.19	
7 11 1962	1.97	131.54	
9 2 1963	1.99	133.83	
17 5 1963	1.79	113.48	
31 10 1963	2.17	154.40	
11 11 1963	1.91	125.41	
26 11 1963	2.00	135.14	
11 12 1963	1.74	108.60	
19 3 1964	2.17	154.06	
19 8 1964	2.10	145.50	
12 12 1964	2.48	190.17	
16 1 1965	2.38	178.66	
20 1 1965	1.95	129.27	
16 11 1965	2.38	178.29	
2 12 1965	2.00	135.14	
9 12 1965	2.39	179.39	
22 12 1965	1.88	122.22	
10 1 1966	1.77	111.03	

DATE	LEVEL	DISCHARGE	NOTE
29 1 1966	2.11	147.53	
4 2 1966	1.07	131.87	
9 2 1966	1.77	111.03	
15 2 1966	1.07	131.87	
25 2 1966	1.76	109.81	
5 4 1966	1.75	108.90	
10 4 1966	1.98	133.17	
16 4 1966	2.19	156.14	
23 2 1967	2.14	150.27	
28 2 1967	1.98	132.52	
17 10 1967	1.79	113.48	
7 11 1967	1.73	107.39	
9 1 1968	1.89	123.49	
16 1 1968	1.83	117.20	
13 12 1968	2.55	199.26	
16 12 1968	2.01	135.80	
25 12 1968	2.57	201.95	
10 1 1969	2.40	181.23	
20 1 1969	2.48	190.17	
19 1 1970	1.82	116.58	
21 2 1970	2.16	152.68	

360011

SUIR AT GASHOUSE BRIDGE CLONMEL

GRID REF IS207223 AREA 2144. SQ. KM OPW THRESHOLD 160.00 GRADE A1
 PERIOD OF RECORD 1 10 1953 TO 30 9 1970
 SIGNIFICANT GAPS 28 9 1958 TO 20 10 1958 7 1 1970 TO 19 1 1970

DATE	LEVEL	DISCHARGE	NOTE
4 12 1953	2.71	244.06	
25 1 1954	2.07	160.56	
27 2 1954	2.14	169.00	
3 3 1954	2.13	168.63	
27 10 1954	2.31	189.90	
29 10 1954	2.45	208.95	
30 11 1954	2.33	193.02	
7 12 1954	2.09	162.75	
1 1 1955	2.80	257.15	
7 2 1955	2.34	194.59	
29 2 1955	2.41	203.71	
12 12 1955	2.34	194.59	
26 3 1956	2.08	161.65	
25 12 1956	2.59	227.06	
27 12 1956	2.37	197.74	
31 12 1956	2.59	227.90	
4 2 1957	2.34	194.59	
7 2 1957	2.34	194.59	
25 9 1957	3.32	336.49	
10 1 1958	2.10	164.21	
28 1 1958	2.53	219.58	
11 2 1958	2.29	187.57	
28 8 1958	2.70	243.20	
3 9 1958	2.61	230.84	
19 12 1958	2.43	206.53	
21 12 1958	2.34	194.59	
21 1 1959	2.20	177.24	
12 12 1959	2.46	210.57	
29 12 1959	2.37	198.54	
2 2 1960	2.59	228.32	
14 9 1960	2.25	182.95	
19 9 1960	2.08	162.38	

DATE	LEVEL	DISCHARGE	NOTE
1 10 1960	2.15	170.86	
31 10 1960	2.08	161.65	
21 11 1960	2.31	190.68	
26 11 1960	2.21	178.38	
4 12 1960	3.45	357.43	
19 1 1961	2.46	210.57	
24 1 1961	2.47	211.38	
27 1 1961	2.49	214.64	
3 2 1961	2.68	239.77	
15 3 1962	2.10	164.21	
6 11 1962	2.11	166.05	
9 2 1963	2.52	217.93	
14 2 1963	2.34	194.59	
8 3 1963	2.16	171.61	
14 3 1963	2.39	200.52	
30 10 1963	2.71	244.06	
10 11 1963	2.25	182.95	
26 11 1963	2.16	171.61	
11 12 1963	2.32	191.85	
19 3 1964	2.98	284.15	
17 8 1964	2.20	177.24	
7 12 1964	2.10	164.21	
13 12 1964	2.95	279.57	
17 1 1965	2.71	244.06	
19 1 1965	2.16	171.61	
17 9 1965	2.10	164.21	
17 11 1965	3.26	326.71	
2 12 1965	2.29	187.57	
10 12 1965	2.77	252.75	
15 12 1965	2.52	218.75	
18 12 1965	2.59	227.06	
23 12 1965	2.16	171.61	
10 1 1966	2.55	222.06	
30 1 1966	2.40	202.51	

360011

SUIR AT GASHOUSE BRIDGE CLONMEL

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
5 2 1966	2.52	218.75		7 11 1967	2.13	167.89	
8 2 1966	2.16	171.61					
12 2 1966	2.15	170.86		10 11 1968	2.10	164.94	
16 2 1966	2.84	263.79		21 11 1968	2.16	171.61	
20 2 1966	2.13	168.63		14 12 1968	3.47	361.48	
25 2 1966	2.07	160.56		17 12 1968	2.59	227.90	
26 2 1966	2.10	164.21		25 12 1968	3.45	357.94	
4 4 1966	2.28	186.80		10 1 1969	3.22	320.89	
10 4 1966	2.40	202.51		25 1 1969	3.42	353.91	
16 4 1966	2.47	211.38		27 1 1969	2.23	179.90	
23 2 1967	2.37	198.54		20 1 1970	2.28	186.80	
28 2 1967	2.34	194.59		24 1 1970	2.23	180.28	
				23 2 1970	2.33	192.63	

390806

LEE AT INNISCARRA

GRID REF	IW560720	AREA	793, SQ. KM	ESR	GRADE	A	
PERIOD OF RECORD	1 10 1942 TO	30 9 1956		THRESHOLD	175.00	CUMECs	
SIGNIFICANT GAPS							
1 10 1942 TO	31 10 1942	17 11 1945 TO	1 12 1945	8 12 1945 TO	19 12 1945		
12 1 1946 TO	19 1 1946	10 2 1946 TO	26 2 1946	21 12 1946 TO	28 12 1946		
DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
17 1 1943	2.46	195.50		5 12 1948	3.64	379.02	
31 10 1943	2.41	188.16		7 12 1948	3.07	284.64	
2 9 1944	2.55	207.14		11 12 1948	2.72	231.70	
6 9 1944	2.56	209.25		27 12 1948	2.80	242.82	
26 10 1944	2.78	240.58		30 12 1948	2.39	186.14	
18 11 1944	2.70	228.62		18 10 1949	2.31	175.40	
20 11 1944	2.39	185.34		25 10 1949	3.26	314.03	
28 11 1944	2.86	251.88		28 10 1949	2.86	251.88	
17 12 1944	2.38	184.53		2 2 1950	2.34	179.35	
30 1 1945	2.69	226.87		9 2 1950	2.51	201.70	
2 2 1945	3.16	299.18		16 9 1950	3.24	312.03	
9 2 1945	2.34	170.35		11 1 1951	3.00	273.69	
21 12 1945	2.31	175.40		4 2 1951	2.37	182.93	
9 1 1946	2.43	191.41		30 9 1951	2.68	225.12	
26 1 1946	2.46	195.50		27 10 1951	2.43	191.00	
12 8 1946	3.58	368.28		15 11 1951	2.59	212.22	
23 11 1946	2.58	211.37		24 12 1951	2.36	182.13	
7 12 1946	2.53	205.04		27 12 1951	2.55	207.56	
11 12 1946	2.47	196.32		28 12 1951	2.52	203.79	
2 1 1947	2.89	256.46		28 11 1952	2.73	233.02	
8 1 1947	3.41	339.42		19 9 1953	2.34	179.35	
15 1 1947	3.02	276.53		22 9 1953	2.70	228.62	
25 2 1947	2.59	212.22		3 12 1953	2.83	247.33	
12 3 1947	2.43	190.59		25 1 1954	2.61	215.20	
15 3 1947	2.60	214.35		26 10 1954	2.86	251.88	
21 3 1947	2.40	187.35		29 10 1954	2.43	191.41	
5 4 1947	2.99	271.34		27 11 1954	2.33	177.37	
23 4 1947	2.50	200.87		29 11 1954	2.65	220.79	
22 11 1947	2.64	210.92		8 12 1954	2.57	210.52	
2 12 1947	3.01	275.11		1 3 1955	3.38	335.30	
4 1 1948	3.24	311.53		6 6 1955	2.49	199.62	
10 1 1948	2.52	203.79		12 12 1955	2.70	229.06	
1 2 1948	2.52	202.95		14 12 1955	2.31	175.40	
10 10 1948	2.36	182.13		19 3 1956	2.46	195.50	
27 10 1948	2.60	214.77		25 3 1956	2.53	205.04	
2 12 1948	3.70	389.88					

390807

LEE AT DROMCARRA

 GRID REF IW296675 AREA 168. SQ. KM
 PERIOD OF RECORD 1 10 1947 TO 30 9 1970

 ESB THRESHOLD 44.50 GRADE A
 CUMECs

SIGNIFICANT GAPS

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
22 11 1958 TO	29	11	1958	17 9 1960 TO	24	9	1960
22 10 1960 TO	5	11	1960	12 11 1960 TO	19	11	1960
24 12 1960 TO	31	12	1960	23 12 1961 TO	27	1	1962
2 3 1962 TO	10	3	1962	15 9 1962 TO	22	9	1962
23 10 1965 TO	30	10	1965	10 9 1966 TO	18	9	1966
5 10 1968 TO	12	10	1968	8 12 1968 TO	12	12	1968
11 5 1969 TO	16	5	1969	28 9 1969 TO	5	10	1969
15 12 1969 TO	21	12	1969	7 3 1970 TO	14	3	1970
17 5 1970 TO	24	5	1970				

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
22 11 1947	2.05	118.99		28 1 1958	1.37	51.98	
4 1 1948	1.85	96.76		8 2 1958	1.50	63.15	
10 1 1948	1.60	72.05		10 2 1958	1.50	63.15	
12 1 1948	1.34	49.65		16 3 1958	1.33	49.19	
				27 8 1958	1.60	71.22	
10 10 1948	1.41	55.34					
1 12 1948	2.15	130.42		9 5 1959	1.38	53.17	
5 12 1948	1.81	91.96					
6 12 1948	1.61	72.61		9 10 1959	2.25	143.57	
				26 12 1959	1.28	45.81	
18 10 1949	1.69	79.78		22 1 1960	1.60	71.49	
25 10 1949	2.01	113.65		31 1 1960	1.49	61.85	
28 10 1949	1.63	74.58		2 2 1960	1.57	68.74	
2 2 1950	1.28	45.81		8 3 1960	1.42	56.31	
10 2 1950	1.52	64.20		13 9 1960	1.61	72.61	
6 9 1950	1.28	45.37					
16 9 1950	1.92	104.36		18 10 1960	1.27	44.93	
				11 11 1960	1.37	52.45	
20 11 1950	1.45	58.30		21 11 1960	1.38	52.93	
11 1 1951	1.80	91.33		25 11 1960	1.32	48.73	
30 9 1951	1.43	56.81		3 12 1960	1.58	69.84	
				18 1 1961	1.46	59.30	
27 10 1951	1.30	46.70		24 1 1961	1.99	111.55	
14 11 1951	1.35	50.34		27 1 1961	2.07	120.80	
24 12 1951	1.42	56.31		29 1 1961	1.42	56.07	
28 12 1951	1.41	55.58		16 9 1961	1.28	45.15	
27 10 1952	1.66	77.44		10 12 1961	1.42	56.56	
19 9 1953	1.31	47.37		13 12 1961	1.51	63.67	
22 9 1953	1.34	50.11		15 3 1962	1.63	74.58	
1 11 1953	1.27	44.93		8 3 1963	1.39	54.12	
3 12 1953	1.58	69.84		14 3 1963	1.70	81.25	
24 1 1954	1.43	56.81					
27 1 1954	1.37	51.98		30 10 1963	1.35	51.04	
				11 11 1963	1.52	64.46	
18 10 1954	1.31	47.37		23 11 1963	1.43	56.81	
26 10 1954	1.62	73.73		25 11 1963	1.28	45.81	
29 10 1954	1.57	69.29		11 12 1963	1.37	51.98	
27 11 1954	1.34	49.65		23 2 1964	1.46	59.30	
29 11 1954	1.36	51.27		16 3 1964	1.38	53.17	
2 12 1954	1.42	56.07		19 3 1964	1.61	72.61	
7 12 1954	1.33	48.96					
1 3 1955	2.13	128.17		8 12 1964	2.24	141.99	
				12 12 1964	2.44	169.65	
12 12 1955	1.50	63.15		13 1 1965	1.46	59.30	
25 3 1956	1.50	63.15					
				16 11 1965	1.68	78.90	
19 10 1956	1.52	64.46		9 12 1965	1.27	44.93	
8 11 1956	1.52	64.46		14 12 1965	1.54	66.32	
25 12 1956	1.28	45.37		17 12 1965	2.07	120.80	
27 12 1956	1.62	73.73		10 1 1966	1.28	45.15	
29 12 1956	1.31	47.82		26 1 1966	1.42	56.31	
6 1 1957	1.48	61.34		29 1 1966	1.56	68.47	
31 1 1957	1.43	56.81		5 2 1966	1.79	89.77	
7 2 1957	1.32	48.27		14 2 1966	1.98	110.16	
30 3 1957	1.28	45.15		18 2 1966	1.27	44.71	
22 9 1957	1.27	44.93		4 9 1966	1.29	46.47	
24 9 1957	2.28	147.57					
				15 10 1966	1.30	46.92	
29 10 1957	1.42	56.56		27 2 1967	1.67	78.31	
10 1 1958	1.38	53.17					
26 1 1958	1.58	69.84		23 12 1967	1.43	56.81	

390807 LEE AT DROMCARRA

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
15 1 1968	1.30	46.70		19 1 1970	1.31	47.37	
10 11 1968	1.56	68.47		21 1 1970	1.41	55.09	
12 11 1968	1.46	59.30		1 2 1970	1.40	54.37	
22 11 1968	1.72	82.74		23 4 1970	1.31	47.37	

391801 OWENGARIFF AT TORC WEIR

GRID REF IV967838 AREA 8.0 SQ. KM
 PERIOD OF RECORD 1 10 1942 TO 30 9 1970
 ESB THRESHOLD 4.40 CUMECS GRADE B
 SIGNIFICANT GAPS
 14 11 1942 TO 21 11 1942 14 12 1943 TO 18 12 1943 2 9 1944 TO 9 9 1944
 22 1 1946 TO 24 1 1946 18 6 1949 TO 2 8 1949 13 6 1953 TO 25 7 1953
 7 10 1963 TO 13 10 1963 24 11 1968 TO 15 12 1968

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 10 1942	0.96	5.81		5 8 1949	0.89	4.77	
9 12 1942	0.92	5.28		7 8 1949	1.06	7.89	
16 1 1943	0.92	5.12		17 10 1949	0.96	5.98	
24 1 1943	0.92	5.17		25 10 1949	0.97	6.09	
8 2 1943	0.91	5.02		20 11 1949	0.89	4.72	
12 4 1943	0.89	4.77		29 1 1950	0.91	5.02	
24 4 1943	0.94	5.54		1 2 1950	0.88	4.53	
10 5 1943	0.89	4.77		9 2 1950	0.92	5.28	
4 9 1943	0.94	5.54		9 2 1950	0.88	4.53	
19 10 1943	0.97	6.09		16 9 1950	1.21	11.41	
1 11 1943	0.97	6.09		18 11 1950	0.92	5.28	
12 1 1944	0.89	4.77		10 1 1951	0.90	4.87	
1 9 1944	0.87	4.43		18 8 1951	0.97	6.09	
19 10 1944	0.94	5.54		14 11 1951	0.88	4.53	
18 11 1944	0.91	5.02		3 3 1952	0.88	4.53	
19 11 1944	0.90	4.92		6 3 1952	0.88	4.53	
27 11 1944	0.97	6.09		21 10 1952	0.88	4.53	
1 12 1944	0.91	5.02		8 12 1952	0.89	4.62	
16 12 1944	0.94	5.54		19 9 1953	0.93	5.33	
20 12 1944	0.92	5.28		21 9 1953	0.88	4.53	
29 1 1945	0.90	4.82		26 10 1953	1.01	6.90	
19 7 1945	0.94	5.54		1 11 1953	0.89	4.77	
21 8 1945	0.88	4.53		24 1 1954	0.91	5.02	
12 8 1946	0.88	4.53		22 3 1954	0.87	4.43	
19 9 1946	0.91	5.02		29 3 1954	0.88	4.53	
1 12 1946	0.87	4.43		23 10 1954	0.93	5.38	
8 1 1947	0.91	5.02		26 10 1954	0.96	5.81	
10 1 1947	0.88	4.53		1 3 1955	0.95	5.65	
5 4 1947	0.94	5.54		21 8 1955	0.94	5.54	
21 4 1947	0.89	4.77		28 1 1956	0.88	4.53	
24 6 1947	0.97	6.09		15 3 1956	0.87	4.43	
28 6 1947	1.06	7.89		25 3 1956	0.91	5.02	
14 9 1947	0.92	5.17		12 8 1956	0.93	5.44	
2 11 1947	0.88	4.53		16 10 1956	0.91	5.02	
11 11 1947	0.91	5.02		19 10 1956	0.91	5.02	
22 11 1947	0.91	5.02		7 11 1956	0.88	4.53	
26 12 1947	0.89	4.62		4 1 1957	0.89	4.77	
31 12 1947	0.92	5.28		22 1 1957	0.88	4.53	
3 1 1948	1.06	7.89		21 9 1957	0.91	5.02	
4 1 1948	0.91	5.02		24 9 1957	0.97	6.09	
10 1 1948	0.94	5.54		29 10 1957	0.90	4.92	
1 2 1948	0.88	4.53		10 1 1958	0.88	4.53	
7 3 1948	0.88	4.53		24 1 1958	0.96	5.81	
9 10 1948	0.93	5.38		25 1 1958	0.88	4.53	
17 11 1948	0.92	5.23		27 1 1958	0.90	4.92	
1 12 1948	1.15	9.92		27 1 1958	0.88	4.53	
5 12 1948	1.03	7.26		31 3 1958	0.87	4.43	
10 12 1948	0.92	5.28		18 7 1958	0.92	5.17	
26 12 1948	1.03	7.26		9 8 1958	0.93	5.44	
28 12 1948	0.89	4.62					
26 1 1949	0.92	5.23					
20 5 1949	0.89	4.77					

391801

OWENGARIFF AT YORC WEIR

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
18 8 1958	0.88	4.53		22 9 1962	0.88	4.53	
26 8 1958	0.93	5.44		13 3 1963	0.88	4.53	
17 9 1958	0.97	6.09		1 8 1963	0.92	5.28	
28 9 1958	0.87	4.43		15 8 1963	0.88	4.53	
30 9 1958	0.99	6.37		10 11 1963	0.88	4.53	
1.4 3 1959	0.85	4.15		4 10 1964	0.94	5.54	
8 10 1959	0.91	5.02		13 11 1964	0.88	4.53	
8 12 1959	0.91	5.02		8 12 1964	0.88	4.53	
31 12 1959	0.90	4.87		13 1 1965	0.88	4.53	
20 1 1960	0.87	4.43		23 1 1965	0.88	4.53	
22 1 1960	0.96	5.81		4 2 1966	0.88	4.53	
30 1 1960	0.97	6.09		7 2 1966	0.95	5.70	
31 1 1960	0.87	4.43		21 4 1966	0.88	4.53	
1 2 1960	0.99	6.37		22 2 1967	1.12	9.22	
8 3 1960	0.88	4.53		4 9 1967	0.89	4.67	
18 3 1960	0.87	4.43		18 10 1967	0.88	4.53	
16 7 1960	0.91	5.02		13 7 1968	0.87	4.43	
27 9 1960	0.88	4.53		20 1 1969	0.88	4.53	
24 1 1961	0.89	4.77		17 2 1970	0.86	4.24	
26 1 1961	0.89	4.62					
15 9 1961	0.88	4.53					
22 10 1961	0.88	4.53					
10 1 1962	0.88	4.53					
2 4 1962	0.88	4.53					

392805

CUMMERAGH AT CUMMERAGH WEIR

GRID REF	IV546695	AREA	47. SQ. KM	ESB	GRADE B
PERIOD OF RECORD	1 10 1942 TO	30 9 1970		THRESHOLD	14.50 CUMECs
SIGNIFICANT GAPS					
20 10 1945 TO	27 10 1945	22 11 1947 TO	29 11 1947	6 11 1948 TO	20 11 1948
12 9 1953 TO	19 9 1953	8 2 1958 TO	15 2 1958	21 10 1961 TO	28 10 1961
9 3 1963 TO	16 3 1963	16 11 1963 TO	23 11 1963	21 12 1963 TO	28 12 1963
14 11 1964 TO	21 11 1964	13 12 1964 TO	19 12 1964	16 1 1965 TO	10 2 1965
1 1 1966 TO	15 1 1966				

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
16 1 1943	0.93	14.67		25 3 1947	0.96	15.75	
4 9 1943	1.00	17.88		2 11 1947	1.08	21.69	
19 10 1943	0.98	16.73		21 11 1947	0.93	14.67	
28 10 1943	0.93	14.67		3 1 1948	0.99	17.59	
30 10 1943	1.07	21.21		10 1 1948	1.00	17.88	
31 10 1943	0.98	16.87		2 9 1948	0.93	14.81	
18 12 1943	0.96	16.17		1 12 1948	1.09	22.49	
22 1 1944	0.94	15.07		5 12 1948	0.97	16.31	
24 1 1944	0.94	15.07		10 12 1948	1.03	19.36	
19 10 1944	1.06	20.90		26 12 1948	0.94	15.07	
27 11 1944	0.96	16.17		21 5 1949	1.06	20.59	
13 12 1944	1.01	18.17		22 8 1949	1.12	24.14	
16 12 1944	1.12	24.14		25 10 1949	0.95	15.34	
29 1 1945	1.03	19.36		27 10 1949	0.98	16.73	
21 8 1945	0.99	17.59		16 11 1949	1.03	19.36	
3 12 1945	0.99	17.59		20 11 1949	0.93	14.81	
22 12 1945	0.97	16.45		28 1 1950	0.96	16.17	
26 9 1946	1.03	19.51		30 1 1950	0.96	16.03	
8 10 1946	1.06	20.59		31 1 1950	1.07	21.21	
23 11 1946	0.94	15.07		2 2 1950	1.03	19.06	
10 12 1946	0.99	17.59		23 2 1950	0.94	14.94	
30 12 1946	1.03	19.21		8 7 1950	1.07	21.21	
2 1 1947	0.97	16.31		9 7 1950	1.00	17.88	
7 1 1947	0.93	14.67		8 8 1950	0.99	17.44	
10 1 1947	0.96	16.17		16 9 1950	1.12	23.81	
1 2 1947	0.97	16.45		2 11 1950	0.95	15.62	
24 2 1947	1.02	18.61		11 1 1951	1.06	20.59	
12 3 1947	0.94	15.07		3 2 1951	1.17	26.89	
20 3 1947	0.96	15.75		26 5 1951	1.03	19.36	

392805

CUMMERAGH AT CUMMERAGH WEIR

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
23 9 1951	0.93	14.67		2 2 1960	1.03	19.21	
30 9 1951	1.06	21.06		16 7 1960	1.04	19.82	
				27 9 1960	0.97	16.45	
12 10 1951	1.06	21.06					
14 11 1951	1.06	20.90		8 11 1960	0.98	16.87	
19 12 1951	1.00	17.88		11 11 1960	0.95	15.34	
7 3 1952	1.01	18.46		22 11 1960	0.98	16.87	
				3 12 1960	0.98	16.87	
21 10 1952	0.98	16.87		17 1 1961	1.03	19.21	
22 10 1952	1.00	17.88		26 1 1961	1.03	19.21	
27 10 1952	0.99	17.16		19 4 1961	1.02	18.76	
4 11 1952	0.95	15.62		24 4 1961	0.93	14.67	
				16 9 1961	0.97	16.31	
26 10 1953	1.03	19.36					
27 1 1954	1.03	19.51		20 5 1962	0.95	15.48	
22 3 1954	1.08	22.01					
29 3 1954	0.94	14.94		1 11 1962	0.94	15.07	
				8 12 1962	0.96	16.17	
26 10 1954	1.06	20.59		13 2 1963	0.94	14.94	
27 11 1954	0.94	15.07		7 3 1963	0.94	15.21	
29 11 1954	0.99	17.16					
7 12 1954	1.03	19.36		27 10 1963	0.94	15.21	
11 12 1954	0.94	14.94		10 11 1963	1.03	19.21	
19 1 1955	1.07	21.37		16 3 1964	1.02	18.61	
6 2 1955	0.95	15.34		10 5 1964	1.02	18.61	
28 2 1955	1.18	27.25					
				4 10 1964	1.03	19.36	
18 3 1956	0.95	15.48		8 12 1964	0.94	15.21	
				12 12 1964	1.03	19.36	
27 12 1956	1.05	20.43		13 1 1965	0.99	17.16	
23 1 1957	0.97	16.45		13 6 1965	0.96	15.89	
31 1 1957	0.95	15.34					
6 2 1957	0.94	15.07		16 12 1965	1.03	19.36	
24 9 1957	1.19	27.96		28 1 1966	1.03	19.06	
				14 2 1966	1.03	19.21	
17 10 1957	1.06	20.90					
28 10 1957	0.95	15.48		17 10 1966	0.93	14.81	
29 10 1957	0.98	16.73		6 6 1967	1.03	19.36	
25 1 1958	1.09	22.49		28 9 1967	0.94	14.94	
25 1 1958	0.94	15.07					
27 1 1958	0.97	16.45		6 11 1967	0.93	14.81	
16 3 1958	0.99	17.59		29 11 1967	0.94	15.07	
23 3 1958	1.10	22.66		16 1 1968	0.97	16.31	
9 8 1958	0.96	15.75					
1 9 1958	1.00	17.88		10 11 1968	1.03	19.36	
				12 11 1968	1.03	19.51	
5 11 1958	0.98	16.73		11 1 1969	1.09	22.49	
				17 1 1969	1.06	20.90	
8 10 1959	1.01	18.32		20 1 1969	1.04	19.82	
20 10 1959	0.99	17.30		27 1 1969	0.95	15.34	
7 12 1959	1.16	26.19					
25 12 1959	0.97	16.45		21 6 1970	0.91	13.76	
1 2 1960	1.11	23.31					

393803

AVONMORE AT LARAGH

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
22 12 1945	1.90	18.26		28 11 1946	2.05	22.33	
8 2 1946	3.00	59.95		11 12 1946	2.48	36.54	
12 8 1946	3.23	72.63		8 1 1947	2.49	36.89	
28 8 1946	2.00	20.89		11 1 1947	1.85	17.14	
4 9 1946	2.46	35.96		13 3 1947	2.25	28.39	
20 9 1946	1.84	16.77		18 3 1947	3.23	72.63	
				21 3 1947	2.77	48.75	
1 10 1946	1.84	16.77		23 3 1947	2.11	24.10	
20 10 1946	1.90	18.26		26 3 1947	2.16	25.48	
23 11 1946	1.95	19.43		5 4 1947	1.88	17.88	

GRID REF IT146965 AREA 107.0 SQ. KM
 PERIOD OF RECORD 1 10 1945 TO 30 9 1970
 SIGNIFICANT GAPS
 19 4 1952 TO 26 4 1952 15 1 1954 TO 22 1 1954
 29 10 1960 TO 15 5 1961 28 10 1962 TO 3 11 1962
 31 8 1963 TO 8 9 1963 13 11 1965 TO 10 10 1967
 ESB THRESHOLD 16.55 CUMECs GRADE B
 1 10 1955 TO 8 10 1955
 30 12 1962 TO 11 2 1963
 24 3 1969 TO 29 3 1969

393803

AVONMORE AT LARAGH

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
				3 9 1958	2.04	21.90	
5 12 1947	3.04	62.37		30 9 1958	2.15	25.20	
4 1 1948	2.31	30.44					
10 1 1948	2.10	23.65		4 10 1958	2.19	26.43	
13 1 1948	2.05	22.33		19 12 1958	2.19	26.43	
31 3 1948	1.90	18.26		22 12 1958	1.93	19.03	
2 12 1948	1.85	17.14		6 12 1959	2.80	50.30	
6 12 1948	2.31	30.44		21 1 1960	2.01	21.22	
11 12 1948	1.95	19.43		30 1 1960	1.85	17.14	
				3 2 1960	2.11	24.10	
25 10 1949	1.84	16.77		26 2 1960	2.55	39.18	
10 2 1950	2.08	23.20		14 3 1960	1.95	19.43	
17 9 1950	1.96	19.83		2 4 1960	2.43	34.81	
27 5 1951	1.82	16.41		4 10 1960	2.37	32.58	
4 11 1951	2.25	28.39		15 1 1962	2.07	22.76	
8 11 1951	2.31	30.44		29 9 1962	2.40	33.68	
10 1 1952	1.89	18.11					
18 8 1952	2.16	25.48		5 11 1962	1.94	19.19	
				9 12 1962	1.84	16.77	
22 10 1952	1.88	17.88		15 2 1963	2.37	32.58	
27 11 1952	1.87	17.51		5 3 1963	2.74	47.36	
14 2 1953	2.07	22.76		8 3 1963	1.90	18.18	
				17 3 1963	1.83	16.56	
26 10 1953	1.95	19.43		21 4 1963	1.98	20.23	
12 2 1954	1.87	17.51		17 8 1963	2.10	23.83	
22 3 1954	2.02	21.47					
3 5 1954	2.13	24.56		30 10 1963	1.84	16.70	
				3 11 1963	2.38	32.91	
26 10 1954	2.07	22.76		5 11 1963	1.99	20.64	
29 10 1954	1.93	19.03		11 11 1963	2.34	31.50	
26 11 1954	2.34	31.29		14 3 1964	2.13	24.74	
30 11 1954	2.35	31.93		19 3 1964	2.39	33.13	
8 12 1954	2.26	28.59					
14 12 1954	2.46	35.96		8 12 1964	2.14	25.02	
29 1 1955	1.90	18.18		12 12 1964	2.07	22.76	
1 2 1955	1.88	17.88		23 1 1965	2.01	21.06	
1 3 1955	2.10	23.74		18 9 1965	1.88	17.88	
4 6 1955	2.16	25.48					
7 6 1955	2.11	24.10		31 10 1967	2.05	22.33	
				2 11 1967	2.13	24.56	
7 11 1955	1.87	17.58		9 1 1968	2.20	26.72	
14 12 1955	2.65	43.34		20 9 1968	2.16	25.48	
14 1 1956	1.94	19.27					
22 3 1956	2.10	23.83		19 10 1968	2.05	22.16	
7 9 1956	1.88	17.73		2 11 1968	3.53	91.93	
				17 12 1968	2.38	33.02	
28 12 1956	2.74	47.36		21 12 1968	1.99	20.48	
30 12 1956	2.63	42.69		25 12 1968	2.04	21.90	
4 2 1957	2.03	21.73		10 1 1969	1.97	20.07	
25 9 1957	3.41	83.87		12 1 1969	2.16	25.48	
				20 1 1969	2.23	27.70	
5 11 1957	2.16	25.48		23 2 1969	1.85	17.14	
28 1 1958	2.23	27.60					
10 2 1958	2.40	33.68		18 1 1970	2.35	31.72	
23 5 1958	2.13	24.74		1 2 1970	1.83	16.56	
6 6 1958	2.43	34.58		21 2 1970	2.37	32.58	
26 6 1958	2.46	35.96					

RECORDS FOR FOLLOWING YEARS ARE INCOMPLETE AND MAY NOT INCLUDE THE ANNUAL MAXIMUM
1965-1966 1966-1967

394808

LACKAGH AT LACKAGH BRIDGE

GRID REF IC095297 AREA 123. SQ. KM
PERIOD OF RECORD 1 10 1945 TO 30 9 1970ESR GRADE B
THRESHOLD 23.90 CUMECs

SIGNIFICANT GAPS

9 11 1968 TO	16 11 1968	1 2 1969 TO	8 2 1969	29 3 1969 TO	5 4 1969
9 8 1969 TO	18 10 1969	10 1 1970 TO	17 1 1970	7 3 1970 TO	14 3 1970

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
10 10 1945	1.20	25.24		26 1 1957	1.20	25.24	
24 10 1945	1.66	67.53		28 1 1957	1.20	25.63	
26 10 1945	1.19	24.85		13 7 1957	1.25	29.11	
19 12 1945	1.23	27.64		25 8 1957	1.27	30.42	
1 9 1946	1.17	23.90		18 9 1957	1.28	31.31	
6 9 1946	1.21	26.02					
13 9 1946	1.41	41.45		7 12 1957	1.40	40.37	
				31 1 1958	1.34	35.28	
14 12 1946	1.24	28.48		22 2 1958	1.40	40.37	
18 3 1947	1.19	24.85					
				11 10 1958	1.29	31.76	
11 11 1947	1.64	65.67		13 10 1958	1.24	28.48	
20 11 1947	1.21	26.42					
1 1 1948	1.20	25.24		27 10 1959	1.32	34.08	
8 2 1948	1.18	24.47		19 1 1960	1.25	29.11	
4 7 1948	1.21	26.02		30 1 1960	1.28	30.64	
14 9 1948	1.29	31.98		4 2 1960	1.18	24.47	
				25 8 1960	1.36	37.26	
15 11 1948	1.19	25.04					
5 12 1948	1.26	20.54		4 12 1960	1.18	24.47	
2 1 1949	1.18	24.47		26 12 1960	1.31	32.90	
7 1 1949	1.48	48.00		5 1 1961	1.18	24.09	
19 1 1949	1.24	28.48		23 4 1961	1.36	37.01	
22 2 1949	1.28	31.08		12 7 1961	1.43	43.10	
				4 8 1961	1.25	28.90	
12 11 1949	1.23	27.44					
4 12 1949	1.21	26.42		17 10 1961	1.25	28.90	
6 12 1949	1.24	28.27		23 10 1961	1.39	39.84	
26 12 1949	1.23	27.44		24 10 1961	1.31	33.37	
2 1 1950	1.39	39.84		7 12 1961	1.18	24.47	
6 1 1950	1.46	45.94		11 12 1961	1.30	32.44	
16 2 1950	1.46	45.94		12 2 1962	1.28	31.31	
17 2 1950	1.29	31.76		2 4 1962	1.25	29.11	
18 8 1950	1.92	104.82		7 4 1962	1.23	27.44	
12 9 1950	1.25	28.60		9 9 1962	1.23	27.64	
17 9 1950	1.28	31.31					
				15 12 1962	1.42	42.54	
7 12 1950	1.17	23.90					
18 12 1950	1.21	26.22		12 11 1963	1.41	41.18	
3 1 1951	1.25	29.11		19 11 1963	1.44	44.22	
13 1 1951	1.21	25.83		23 11 1963	1.63	64.20	
				26 8 1964	1.23	27.23	
25 9 1952	1.23	27.64					
				15 10 1964	1.34	35.77	
10 12 1952	1.31	32.90		12 12 1964	1.18	24.09	
16 12 1952	1.59	59.94		31 12 1964	1.24	28.48	
16 6 1953	1.21	26.22		17 1 1965	1.23	27.64	
30 9 1953	1.35	36.51		4 8 1965	1.21	26.22	
				10 9 1965	1.28	30.64	
1 11 1953	1.72	75.33					
7 11 1953	1.39	40.11		6 10 1965	1.88	98.88	
12 11 1953	1.48	48.30		27 10 1965	1.18	24.09	
3 12 1953	1.18	24.09		31 10 1965	1.39	39.84	
20 1 1954	1.44	44.50		2 12 1965	1.17	23.90	
14 8 1954	1.28	30.64		23 2 1966	1.17	23.90	
20 10 1954	1.35	36.76		1 12 1966	1.38	38.80	
11 11 1954	1.29	31.98		15 12 1966	1.27	30.20	
28 11 1954	1.24	28.48		20 12 1966	1.44	44.22	
1 12 1954	1.17	23.90					
4 12 1954	1.18	24.09		1 10 1967	1.18	24.47	
22 12 1954	1.21	26.42		9 10 1967	1.28	30.64	
10 1 1955	1.40	40.37		26 10 1967	1.25	29.11	
21 1 1955	1.25	28.90		1 11 1967	1.33	34.80	
1 2 1955	1.41	41.18		11 12 1967	1.17	23.90	
				3 2 1968	1.32	34.32	
28 12 1955	1.27	30.20		1 4 1968	1.42	42.54	
26 1 1956	1.21	25.83		5 5 1968	1.24	28.48	
5 12 1956	1.20	25.24		2 10 1968	1.26	29.76	

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LACKAGH AT LACKAGH BRIDGE

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
1 11 1968	1.53	52.95		17 12 1969	1.20	25.43	
16 1 1969	1.35	36.51		19 12 1969	1.23	27.44	
11 2 1969	1.35	36.02		21 12 1969	1.24	28.48	
22 11 1969	1.34	35.28		21 2 1970	1.34	35.28	
3 12 1969	1.18	24.47		17 9 1970	1.24	28.48	

395802

OWENGLIN AT CLIFDEN

GRID REF IL670504 AREA 31. SQ. KM
 PERIOD OF RECORD 1 10 1950 TO 30 9 1970
 ESB THRESHOLD 30.50 CUMECs
 GRADE B

SIGNIFICANT GAPS

17 2 1951 TO	26 2 1951	17 2 1952 TO	23 2 1952	27 1 1958 TO	1 2 1958
15 3 1959 TO	22 3 1959	24 2 1962 TO	3 3 1962	29 9 1962 TO	6 10 1962
20 10 1962 TO	3 11 1962	9 2 1963 TO	16 2 1963	26 4 1964 TO	2 5 1964
28 8 1965 TO	18 9 1965	3 12 1966 TO	10 12 1966		

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 10 1950	1.85	33.08		18 6 1958	1.82	31.69	
10 1 1951	1.88	34.51		9 8 1958	1.82	31.69	
2 8 1951	1.85	33.08		13 8 1958	1.82	31.69	
17 8 1951	1.82	31.69		2 9 1958	1.88	34.51	
18 8 1951	1.85	33.08		28 9 1958	1.88	34.51	
3 11 1951	1.88	34.51		12 10 1958	2.07	43.78	
6 8 1952	1.95	37.47		22 9 1959	2.37	61.89	
26 10 1952	1.95	37.47		8 10 1959	2.07	43.78	
18 12 1952	1.82	31.41		19 10 1959	2.04	42.15	
23 7 1953	1.83	32.10		22 11 1959	1.82	31.69	
31 8 1953	2.38	62.69		4 12 1959	1.85	33.08	
19 9 1953	1.92	35.97		28 12 1959	1.88	34.51	
26 10 1953	1.98	39.00		10 7 1961	1.82	31.69	
1 11 1953	1.88	34.51		2 8 1961	2.01	40.56	
2 12 1953	1.87	33.79		21 10 1961	1.88	34.51	
24 1 1954	1.99	39.77		28 11 1961	1.98	39.00	
21 3 1954	1.96	38.23		25 8 1962	1.88	34.51	
29 3 1954	1.96	38.23		18 12 1962	1.82	31.69	
28 8 1954	1.97	38.69		7 5 1963	1.82	31.69	
30 8 1954	2.03	41.51		10 8 1963	2.04	42.15	
5 9 1954	1.88	34.51		25 9 1963	2.04	42.15	
15 9 1954	2.10	45.44		16 8 1964	1.92	35.97	
7 10 1954	2.10	45.44		13 9 1964	2.43	65.92	
26 10 1954	2.07	43.78		21 9 1964	2.07	43.78	
24 11 1954	1.82	31.69		6 10 1964	1.82	31.69	
26 11 1954	1.92	35.97		12 11 1964	1.82	31.69	
7 12 1954	1.95	37.47		7 12 1964	1.93	36.72	
28 2 1955	1.95	37.47		23 1 1965	1.95	37.47	
28 2 1955	1.92	35.97		31 10 1965	2.43	65.92	
4 9 1955	1.88	34.51		25 11 1965	1.93	36.72	
21 9 1955	1.88	34.51		27 1 1966	1.85	33.08	
8 12 1955	1.88	34.51		17 8 1967	1.84	32.38	
3 2 1956	2.13	47.13		8 10 1967	1.82	31.69	
21 5 1956	1.82	31.69		9 10 1967	1.85	33.08	
4 7 1956	1.93	36.72		30 10 1967	1.87	33.79	
8 7 1956	2.22	52.41		1 11 1967	1.85	33.08	
12 8 1956	1.87	33.79		29 11 1967	1.82	31.69	
16 10 1956	1.82	31.69		8 1 1968	1.86	33.37	
25 12 1956	2.07	43.78		22 3 1968	1.82	31.69	
31 12 1956	2.34	59.93		19 8 1968	1.82	31.69	
25 1 1957	1.92	35.97		9 9 1968	2.02	41.35	
23 2 1957	1.92	35.97		1 10 1968	1.84	32.38	
22 8 1957	2.04	42.15		1 11 1968	1.84	32.38	
16 9 1957	1.92	35.97		24 12 1968	2.07	43.78	
16 9 1957	1.82	31.69		25 1 1969	1.85	33.08	
22 9 1957	1.98	39.00					
25 10 1957	2.04	42.15					
25 1 1958	2.28	56.10					
14 3 1958	2.04	42.15					

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ESKE AT COKE BRIDGE

GRID REF IG967817

AREA 80.0 SQ.KM

PERIOD OF RECORD 1 10 1951 TO 30 0 1970

ESB THRESHOLD 13.99 GRADE A
CUMECs

SIGNIFICANT GAPS

12 12 1953 TO 26 12 1953 7 8 1965 TO 14 8 1965

DATE	LEVEL	DISCHARGE	NOTE	DATE	LEVEL	DISCHARGE	NOTE
4 11 1951	1.27	15.53		7 4 1962	1.21	14.00	
3 12 1951	1.43	20.16		11 8 1962	1.46	21.13	
27 12 1951	1.47	21.43		9 9 1962	1.58	25.26	
10 1 1952	1.28	15.69		23 11 1962	1.28	15.69	
13 1 1952	1.25	15.03		9 12 1962	1.21	14.00	
6 2 1952	1.31	16.80		15 12 1962	1.68	28.86	
4 11 1952	1.23	14.39		20 12 1962	1.36	18.21	
16 12 1952	1.31	16.54		9 9 1963	1.29	16.03	
19 12 1952	1.22	14.31		26 9 1963	1.23	14.39	
27 7 1953	1.24	14.71		3 10 1963	1.24	14.63	
23 9 1953	1.51	22.74		8 10 1963	1.37	18.30	
30 9 1953	1.53	23.66		12 11 1963	1.54	23.98	
1 11 1953	1.70	29.56		23 11 1963	1.79	33.47	
12 11 1953	1.82	34.75		31 1 1964	1.31	16.54	
14 11 1953	1.68	29.09		29 9 1964	1.40	19.22	
20 1 1954	1.21	14.00		7 10 1964	1.37	18.30	
23 7 1954	1.35	17.76		12 12 1964	1.28	15.69	
28 7 1954	1.53	23.46		31 12 1964	1.24	14.87	
18 10 1954	1.46	21.13		10 1 1965	1.53	23.66	
11 11 1954	1.55	24.19		13 1 1965	1.34	17.41	
14 12 1954	1.35	17.67		16 1 1965	1.34	17.41	
22 12 1954	1.38	18.85		23 1 1965	1.21	14.00	
1 3 1955	1.24	14.87		27 3 1965	1.32	16.97	
10 4 1955	1.21	14.00		25 6 1965	1.23	14.39	
28 12 1955	1.34	17.41		7 10 1965	1.64	27.48	
5 12 1956	1.30	19.03		1 11 1965	1.56	24.51	
25 1 1957	1.22	14.23		9 12 1965	1.43	20.36	
28 1 1957	1.30	16.28		27 6 1966	1.40	19.22	
25 8 1957	1.33	17.23		1 12 1966	1.38	18.57	
17 9 1957	1.88	37.39		13 12 1966	1.33	17.23	
27 10 1957	1.21	14.08		10 12 1966	1.58	25.26	
7 12 1957	1.57	25.04		9 10 1967	1.70	29.80	
31 12 1957	1.67	28.62		26 10 1967	1.24	14.87	
10 1 1958	1.24	14.71		2 11 1967	1.21	14.08	
22 2 1958	1.46	21.13		18 1 1968	1.41	19.69	
12 10 1958	1.31	16.54		31 1 1968	1.46	21.03	
27 10 1959	1.46	21.13		1 4 1968	1.40	19.22	
15 11 1959	1.35	17.67		31 9 1968	1.67	28.62	
28 2 1960	1.36	18.21		1 11 1968	1.78	32.84	
4 12 1960	1.24	14.71		2 11 1969	1.28	15.69	
25 12 1960	1.29	16.20		22 11 1969	2.19	52.17	
23 10 1961	1.36	18.12		2 12 1969	1.31	16.71	
30 11 1961	1.44	20.45		19 12 1969	1.34	17.41	
4 12 1961	1.24	14.87		21 2 1970	1.73	31.00	
11 12 1961	1.56	24.40		23 4 1970	1.28	15.69	
7 2 1962	1.21	14.08		15 8 1970	1.90	38.06	
12 2 1962	1.46	21.13		10 9 1970	1.24	14.63	
				17 9 1970	1.55	24.19	

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1993**

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