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HYDROMETRIC REPORT
AND CATALOGUE 1990



NRA

Severn-Trent Region





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HYDROMETRIC REPORT AND CATALOGUE

1990

NATIONAL RIVERS AUTHORITY SEVERN-TRENT REGION



National Rivers Authority
Severn-Trent Region
Water Resources Section
Hydrometric Data Group
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DECEMBER 1991

FOREWORD

This Hydrometric Report and Catalogue is one of a series of annual hydrological summaries produced by the NRA Severn-Trent Region. It contains two sections, firstly a hydrological review of the year 1990 with a range of data summaries at key sites, and Secondly, a hydrometric catalogue listing the river flow and level stations, groundwater boreholes, rainfall gauges and climate stations maintained by the region.

INTRODUCTION

The 1990 Hydrometric Report and Catalogue (or Yearbook) represents the second produced since the National Rivers Authority assumed responsibility for hydrometric data in the Severn-Trent Region.

The Yearbook gives an indication of the type and availability of data that can be produced for established measurement stations. The Catalogue Section provides comprehensive lists of these stations with maps to identify their location.

The preparation of the Yearbook depends on a combined effort, both from Field Hydrometric staff within the four Area offices and staff within the Hydrometric Data Group at Solihull.

The co-ordination of the Yearbook has been supervised by David Grimshaw, Senior Hydrologist, and any mistakes or suggestions should be passed to David or his staff, at Sapphire East.

It should be remembered that the Yearbook can only provide an indication of the data available, and that it would be unrealistic to summarise all of the data that is collected by the Data Section. Requests for data not shown should be directed to the staff of the Hydrometric Data Group.

With the increasing need for accurate hydrometric information to support the technical functions of the Authority, this Yearbook is produced to give both an indication of the available data, and to act as a reference for the year 1990.

1990 HYDROMETRIC REPORT AND CATALOGUES

TABLE OF CONTENTS

FOREWORD

INTRODUCTION

TABLE OF CONTENTS

LIST OF TABLES AND FIGURES

<u>HYDROMETRIC SUMMARY AND DATA FOR 1990</u>	<u>Page no.</u>
A. HYDROMETRIC REVIEW	1
B. CURRENT METER GAUGINGS FOR 1990	2
1. Flow Gaugings May-October 1990	
2. Specific Survey Tables	
C. PROCESSED FLOW DATA	50
1. Monthly Mean Flows For Selected Sites	
2. Annual Hydrographs And Flow Duration Curves	
D. RAINFALL	69
1. Daily Rainfall Totals For Selected Sites	
2. Areal Average Rainfall For 1990	
E. GROUNDWATER	76
1. Groundwater Hydrographs For 1990	
F. MISCELLANEOUS DATA	84
1. Soil Moisture And Evapotranspiration	
2. Water Temperature	

SITE CATALOGUE (coloured section)

A. RIVER LEVEL AND FLOW STATIONS	C1
B. RAINFALL INTENSITY STATIONS	C10
C. DAILY RAINFALL STATIONS	C14
D. CLIMATE STATIONS	C23
E. GROUNDWATER OBSERVATION BOREHOLES - TRENT	C24
" " " " - SEVERN	C29

HYDROMETRIC DATA GROUP-INFORMATION

1990 HYDROMETRIC REPORT AND CATALOGUE

TABLES AND FIGURES-DATA SECTION

TABLES

	Page no.
TABLE 1 FLOW GAUGINGS MAY-OCTOBER 1990	4
TABLE 2 LOW FLOW SURVEYS 1989/90 - UPPER SEVERN	35
TABLE 3 LOW FLOW SURVEYS 1989/90 - AVON	38
TABLE 4 LOW FLOW SURVEYS 1989/90 - LOWER SEVERN AND GLOUCESTER	40
TABLE 5 LOW FLOW SURVEYS 1989/90 - UPPER TRENT	41
TABLE 6 LOW FLOW SURVEYS 1989/90 - DOVE AND CHURNET	44
TABLE 7 LOW FLOW SURVEYS 1989/90 - DERWENT	45
TABLE 8 LOW FLOW SURVEYS 1989/90 - SOAR	46
TABLE 9 LOW FLOW SURVEYS 1989/90 - LOWER TRENT	47
TABLE 10 MONTHLY MEAN FLOWS FOR SELECTED SITES	51
TABLE 11 DAILY RAINFALL TOTALS AT SELECTED SITES	70
TABLE 12 AREAL RAINFALL FOR 1990	75

FIGURES

FIGURE 1 LOCATION MAP FOR SAMPLE SURFACE WATER SITES	54
FIGURE 2 ANNUAL HYDROGRAPH AND FLOW DURATION CURVE FOR YEATON	55
FIGURE 3 " " " " WALCOT	56
FIGURE 4 " " " " HOOKAGATE	57
FIGURE 5 " " " " BEWDLEY	58
FIGURE 6 " " " " STARETON	59
FIGURE 7 " " " " STOKE	60
FIGURE 8 " " " " CALTHORPE PK.	61
FIGURE 9 " " " " LEA MARSTON	62
FIGURE 10 " " " " IZAAK WALTON	63
FIGURE 11 " " " " MARSTON	64
FIGURE 12 " " " " WINGFIELD PK.	65
FIGURE 13 " " " " DERBY	66
FIGURE 14 " " " " LITTLETHORPE	67
FIGURE 15 " " " " COLWICK	68
FIGURE 16 LOCATION MAP FOR GROUNDWATER EXAMPLE SITES	77
FIGURE 17 LONG TERM GROUNDWATER HYDROGRAPH FOR WEEFORD FLATS	78
FIGURE 18 " " " " SUNNYBANK FARM	78
FIGURE 19 " " " " TWO DALE BARN	79
FIGURE 20 " " " " SWINNOW WOOD	79
FIGURE 21 " " " " MORRIS DANCERS	80
FIGURE 22 " " " " HAZEL HILL	80
FIGURE 23 " " " " HODHILL FARM	81
FIGURE 24 " " " " HEATHLANES	81
FIGURE 25 " " " " CHECK HILL	82
FIGURE 26 " " " " SHRAWLEY	82
FIGURE 27 " " " " BURCOTT LANE	83
FIGURE 28 " " " " ANTHONY'S CROSS	83
FIGURE 29 SOIL MOISTURE DEFICIT VALUES - SEVERN	85
FIGURE 30 " " " " - TRENT	85
FIGURE 31 ACTUAL AND POTENTIAL EVAPOTRANSPIRATION VALUES - SEVERN	86
FIGURE 32 " " " " - TRENT	86
FIGURE 33 ANNUAL PLOT OF MEAN DAILY WATER TEMPERATURE FOR BRANSFORD	87
FIGURE 34 " " " " BEWDLEY	87

TABLES AND FIGURES-CATALOGUE SECTION

TABLES

TABLE 13	LEVEL AND FLOW MEASUREMENT STATIONS	C2
TABLE 14	RAINFALL INTENSITY STATIONS	C10
TABLE 15	DAILY RAINFALL STATIONS	C14
TABLE 16	CLIMATOLOGICAL STATIONS	C23
TABLE 17	GROUNDWATER OBSERVATION BOREHOLES	C24

FIGURES

FIGURE 35	LOCATION OF LEVEL AND FLOW MEASUREMENT STATIONS	C9
FIGURE 36	LOCATION OF INTERROGABLE RAINFALL INTENSITY STATIONS	C13

A. HYDROMETRIC REVIEW

The year started and finished with above average monthly rainfall totals, but the spring and summer were very dry with the exception of June when rainfall was slightly above average. River flows generally reflected this pattern with exceptionally high flows in the Severn catchment during late January and early February and low flows during most of the spring and summer. However, the low base flows and high soil moisture deficits ensured that river flows were below average during December despite above average rainfall.

This combination of flood and drought, on top of routine work, resulted in another exceptionally busy year for the hydrometric staff. A total of 2960 current meter gaugings were carried out, over 700 in August, of which 560 were in the first fortnight. This was the period when flows were generally at their lowest, although in some catchments very low flows persisted well into September.

Many of the gaugings were taken as part of specific low flow surveys aimed at providing a set of comparable flow measurements within individual catchments or sub catchments. Together with those for 1975/76, 1984 and 1989 they provide an invaluable dataset for low flow assessment.

As during 1989, Water Resources staff worked closely with the Catchment Regulation section to ensure that data was available to monitor flow recessions against abstraction threshold values. A larger than normal number of gaugings were required to support this function.

The hydrometric data collection networks saw considerable change during the year although no new major gauging stations were completed. The quality of flow data from Penkridge and Kidderminster was greatly improved by the installation of a flat vee weir and ultrasonic gauge respectively. However, many sites were reopened or upgraded to provide flow data in support of NRA functions. All of these had been closed in 1984 following a network review, but the formation of the NRA has given a new impetus and importance to water resource work, much of which depends on data from the permanent river level and flow monitoring network.

Five Stations in Lower Trent were reopened, three to support studies of groundwater resources and two for flow forecasting and local flooding investigations. In the Severn catchment, eight stations were reopened, principally to provide data for monitoring low flows against threshold values specified in abstraction licences.

Within the data processing section work started on creating a database system which captures current meter gaugings as they are processed. It is planned that all historic gauging results will eventually be held within the system allowing greatly improved access, manipulation and use of these data. At the time of publication 43000 are stored on the database archive.

This improved accessibility, combined with the extensive development of existing computer programs has greatly increased the ease and speed at which gauging data can be plotted for the assessment of level to flow rating relationships.

B. CURRENT METER GAUGINGS FOR 1990.

A current meter gauging is a direct measurement of flow taken over a short period of time which is usually between fifteen minutes and two hours depending on the size of river or stream. Gaugings are carried out for a variety of reasons; the principal ones being: to monitor the accuracy of rating curves used for flow processing, to check calibrations of ultrasonic and electromagnetic flowgauges, to monitor river flows for licensing and abstraction, to provide data for pollution control and quality monitoring and to investigate the hydrological characteristics of catchments.

1. FLOW GAUGINGS MAY-OCTOBER 1990.

The current meter gaugings in table 1 (page 4) cover the period from 01/05/90 to 31/10/90. They demonstrate the gradual decline in flows over the region, although the data should be used with care as the number of gaugings available at any one site varies tremendously and the lowest flows which occurred need not necessarily be represented. A subset of this data is given in the various catchment and subcatchment specific low flow survey listings, but, given the exceptionally low flows of 1990, it was considered that a complete record of current meter gauging activity over the period should be included.

The data has been extracted from the database system into which gaugings processed by area staff are now captured directly. Gaugings are arranged by date within alphabetic site name within alphabetic river name.

The accuracy of current meter gauging data varies greatly according to site conditions. Percentage errors can be large at low flows. The results are expressed to two decimal places to provide sufficient precision for very small flows but, current meter data cannot be said to be accurate to two decimal places of a megalitre. The data should be used with care and if in doubt consult the hydrometric data staff within the Water Resources Group.

The Areas quoted in this and all other tables relate to the NRA operational areas in use from September 1 1989. They are usually abbreviated as:-

US - Upper Severn
LS - Lower Severn

UT - Upper Trent
LT - Lower Trent

2. SPECIFIC SURVEY TABLES.

As with 1989, once it became clear that lower than normal flows were going to be experienced, surveys were organized to provide data on flow variations within specific subcatchments. The majority of the surveys were carried out during July, August and September.

Tables 2 to 9 (starting on page 35) show the results of groups of surveys covering the same sites on different dates for sites within related subcatchments. The sites are all organized in downcatchment order. Data has been included for 1989 and 1990 for comparison. Most surveys were completed in one or two days and flows are comparable. All flow data is given in megalitres per day.

Processed mean daily flow data has been included for many continuous flow measurement stations to provide information for additional sites and to

demonstrate the relative change in flow rates between different surveys. These flows are marked (MDF) after the station name. For some sites both processed and current meter derived flows are given for some or all of the surveys. Differences in flows are to be expected and may be due to a variety of causes, principally that the MDF is the mean for a 24 hour period starting 09.00 G.M.T., whilst a current meter gauging will typically measure the flow over a period of between fifteen minutes and two hours. However, some of the difference will be due to random and systematic errors in both gauging and in the flow calculation process. These may vary greatly from site to site.

The precise site chosen for gauging may vary from survey to survey. Where the quoted grid references vary significantly, these are shown as separate sites as it cannot usually be established if there are any factors affecting flow between them.

The date given at the head of the table for each survey is that on which the majority of the gaugings were taken. Some surveys extended over two days, and this should be taken into consideration if the exact date is required. This can be confirmed by referring to the complete listing of gaugings in table 1.

When using the data, the same comments regarding accuracy apply as for the previous listing of all low flow gaugings.

TABLE 1
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
ALBRIGHTON BK.	COSFORD GRANGE	SJ78100458	US	20-07-90	0.35
ALFRETON BK.	ALFRETON	SK41505700	LT	27-07-90	14.58
ALFRETON BK.	ALFRETON	SK41605700	LT	15-08-90	12.56
ALFRETON BK.	TOADHOLE FURNACE	SK39005640	LT	27-07-90	15.92
ALFRETON BK.	TOADHOLE FURNACE	SK39005640	LT	15-08-90	23.46
ALFRICK BK.	ALFRICK U/S WRW	SO74825339	LS	13-08-90	0.00
ALFRICK BK.	ALFRICK WRW DISCHARG	SO74825339	LS	13-08-90	0.00
ALNE	GREAT ALNE	SP12105900	LS	25-07-90	19.34
ALNE	GREAT ALNE	SP12105900	LS	08-08-90	17.31
ALNE	HENLEY BLACKFORD FM.	SP15306530	LS	25-07-90	2.53
ALNE	HENLEY BLACKFORD FM.	SP15306500	LS	08-08-90	3.89
ALNE	WOOTEN WAWEN	SP15506300	LS	25-07-90	13.53
ALNE	WOOTEN WAWEN	SP12105900	LS	08-08-90	11.35
AMBER	AMBERGATE	SK34705170	LT	27-07-90	28.87
AMBER	AMBERGATE	SK34705170	LT	15-08-90	59.57
AMBER	HALLFIELD GATE	SK38605820	LT	27-07-90	4.42
AMBER	HALLFIELD GATE	SK38605820	LT	15-08-90	4.86
AMBER	OGSTON RES. D/S	SK38305980	LT	24-08-90	1.89
AMBER	WINGFIELD PARK	SK37605200	LT	17-05-90	34.93
AMBER	WINGFIELD PARK	SK37505200	LT	27-07-90	26.80
AMBER	WINGFIELD PARK	SK37505200	LT	15-08-90	32.56
AMBER	WINGFIELD PARK	SK37505200	LT	31-08-90	34.01
AMBER	WOOLEY MOOR	SK36706100	LT	27-07-90	3.46
AMBER	WOOLEY MOOR	SK36706100	LT	15-08-90	2.89
AMERTON BK.	CHARTLEY	SK00132803	UT	10-10-90	0.87
ANKER	A4254 NEW RD.	SP38109160	UT	14-08-90	10.70
ANKER	ATHERSTONE	SP32529720	UT	14-08-90	39.99
ANKER	BRAMCOTE BDGE	SP41418881	UT	14-08-90	3.40
ANKER	LEATHER MILL FM.	SP33909550	UT	14-08-90	21.94
ANKER	POLESWORTH	SK26290342	UT	18-06-90	80.99
ANKER	POLESWORTH	SK26290342	UT	15-08-90	70.84
ANKER	POLESWORTH	SK26290342	UT	02-10-90	75.14
ANKER	POLESWORTH	SK26290342	UT	11-10-90	66.67
ARROW	ALCESTER	SP09205780	LS	25-07-90	26.95
ARROW	ALCESTER	SP09205780	LS	08-08-90	38.83
ARROW	ALVECHURCH U/S WRW	SP03307220	LS	25-07-90	3.69
ARROW	ALVECHURCH U/S WRW	SP03307220	LS	08-08-90	3.75
ARROW	BROOM	SP08715330	LS	03-05-90	99.44
ARROW	BROOM	SP08605360	LS	09-05-90	90.75
ARROW	BROOM	SP08605360	LS	15-06-90	76.65
ARROW	BROOM	SP08715320	LS	12-07-90	64.10
ARROW	BROOM	SP08715330	LS	25-07-90	72.07
ARROW	BROOM	SP08705330	LS	08-08-90	57.88
ARROW	BROOM	SP08705330	LS	18-09-90	56.66
ARROW	REDDITCH IPSLEY	SP06106640	LS	25-07-90	12.59
ARROW	REDDITCH IPSLEY	SP06106640	LS	08-08-90	11.27
ARROW	STUDLEY	SP07706370	LS	03-05-90	24.38
ARROW	STUDLEY	SP07636400	LS	18-07-90	14.37
ARROW	STUDLEY	SP07506370	LS	25-07-90	13.20
ARROW	STUDLEY	SP07506370	LS	08-08-90	14.64
ASHFIELDS BK.	RISTS FACTORY U/S	SJ84005480	UT	04-09-90	1.49
ASHFIELDS BK.	SILVERDALE BK. CONF	SJ84154620	UT	14-09-90	2.12
ASTLEY BK.	BROUGHTON ASTLEY	SK52609260	LT	02-08-90	1.25
ASTLEY BK.	BROUGHTON ASTLEY	SK52509260	LT	12-09-90	2.21
ASTON BK.	ANSTON STONES WOOD	SK54008250	LT	09-08-90	5.18
AVON	A45 RYTON BDGE	SP36807535	LS	17-09-90	23.62
AVON	BREDON	SO92103730	LS	26-07-90	224.99
AVON	BREDON	SO91703470	LS	09-08-90	174.38
AVON	BROWNSOVER U/S WKS	SP52207650	LS	27-07-90	3.77
AVON	BROWNSOVER U/S WKS	SP52207650	LS	07-08-90	4.34
AVON	HAMPTON PARKS	SP03304470	LS	26-07-90	297.84
AVON	HAMPTON PARKS	SP03304470	LS	09-08-90	244.37
AVON	HAMPTON PARKS	SP03304470	LS	18-09-90	356.08
AVON	LILBOURNE	SP56227772	LS	24-07-90	1.97
AVON	LILBOURNE	SP56307780	LS	07-08-90	1.67
AVON	LITTLE LAWFORD	SP46907700	LS	24-07-90	13.19
AVON	LITTLE LAWFORD	SP46907710	LS	07-08-90	17.38
AVON	LITTLE LAWFORD	SP46907710	LS	17-09-90	15.29
AVON	NORTH KILWORTH	SP62058205	LS	24-07-90	3.40
AVON	NORTH KILWORTH	SP62008200	LS	07-08-90	2.58
AVON	RUGBY	SP50107630	LS	10-05-90	15.77
AVON	RUGBY	SP50107630	LS	01-06-90	12.96
AVON	RUGBY	SP50107630	LS	04-07-90	29.87

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
AVON	RUGBY	SP50207635	LS	24-07-90	2.90
AVON	RUGBY	SP50207630	LS	07-08-90	5.21
AVON	RUGBY	SP50107630	LS	07-09-90	1.68
AVON	RUGBY	SP50107630	LS	26-09-90	8.07
AVON	RUGBY	SP50107630	LS	12-10-90	4.61
AVON	RUGBY	SP50107630	LS	24-10-90	14.45
AVON	RYTON BDGE	SP36807530	LS	23-07-90	21.44
AVON	RYTON BDGE	SP36807530	LS	07-08-90	25.40
AVON	STARETON	SP33267156	LS	16-05-90	58.03
AVON	STARETON	SP33267156	LS	28-06-90	46.91
AVON	STARETON	SP33267156	LS	24-07-90	25.88
AVON	STARETON	SP33307160	LS	07-08-90	28.19
AVON	STARETON	SP33267156	LS	07-09-90	29.37
AVON	STARETON	SP33307160	LS	17-09-90	26.33
AVON	WARWICK	SP29926529	LS	11-05-90	167.33
AVON	WARWICK	SP29926529	LS	22-06-90	560.20
AVON	WARWICK	SP29926529	LS	28-06-90	265.52
AVON	WARWICK	SP29906530	LS	25-07-90	65.58
AVON (TRIB)	MARCLIFF FM.	SP09685055	LS	18-06-90	0.02
AVON (TRIB.LB)	LONG LAWFORD	SP47007470	LS	15-06-90	0.73
BADSEY BK.	OFFENHAM	SP06304490	LS	10-05-90	12.61
BADSEY BK.	OFFENHAM	SP06284489	LS	17-05-90	6.19
BADSEY BK.	OFFENHAM	SP06284489	LS	08-06-90	21.74
BADSEY BK.	OFFENHAM	SP06304490	LS	15-06-90	7.34
BADSEY BK.	OFFENHAM	SP06284489	LS	12-07-90	5.36
BADSEY BK.	OFFENHAM	SP06304470	LS	01-08-90	3.47
BADSEY BK.	OFFENHAM	SP06304490	LS	09-08-90	1.34
BADSEY BK.	OFFENHAM	SP06304490	LS	05-09-90	5.92
BADSEY BK.	OFFENHAM	SP06304490	LS	18-09-90	3.55
BADSEY BK.	OFFENHAM	SP06284489	LS	28-09-90	5.29
BADSEY BK.	OFFENHAM	SP06304490	LS	15-10-90	4.83
BAR BK.	BASLOW	SK25807215	LT	26-07-90	3.76
BAR BK.	BASLOW	SK25807215	LT	14-08-90	3.58
BARTON BK.	BARTON EFFLINCH LANE	SK19051827	UT	08-08-90	0.20
BARTON BK.	BARTON UNDR NEEDWOOD	SK20101830	UT	25-07-90	0.21
BARTON BK.	BARTON UNDR NEEDWOOD	SK20101830	UT	30-07-90	1.07
BARTON BK.	BARTON UNDR NEEDWOOD	SK20101830	UT	03-08-90	0.17
BARTON BK.	BARTON UNDR NEEDWOOD	SK20101830	UT	08-08-90	0.14
BATTLEFIELD BK.	ADJ TO M5	SO94407080	US	26-09-90	0.00
BATTLEFIELD BK.	BARNSELY HOSPITAL	SO95807260	US	26-09-90	0.00
BATTLEFIELD BK.	BROMSGROVE	SO96006900	US	17-08-90	0.64
BATTLEFIELD BK.	BROMSGROVE U/S WRW	SO96106940	US	08-08-90	0.63
BATTLEFIELD BK.	BROMSGROVE U/S WRW	SO94807050	US	17-08-90	0.00
BECHAN BK.	ABERBECHAN	SO14009385	US	07-08-90	0.91
BENTLEY BK.	MATLOCK	SK30105980	LT	26-07-90	6.15
BENTLEY BK.	OLD MATLOCK	SK30505995	LT	14-08-90	4.88
BEVERCOTES DYKE	BEVERCOTES	SK69907290	LT	07-08-90	2.59
BLACK BK.	ONE BARROW	SK46601700	LT	03-08-90	0.67
BLACK BK.	ONE BARROW	SK48852080	LT	13-09-90	0.28
BLACK BK.	SHENSTONE	SK11320493	LT	15-08-90	14.21
BLACK BK.	SHEPSHED	SK48802080	LT	03-08-90	6.29
BLACK BK.	SHEPSHED	SK48852080	LT	13-09-90	14.44
BLAKEDOWN BK.	BLAKEDOWN	SO87707880	LS	18-09-90	0.94
BLAKEDOWN BK.	BLAKEDOWN U/S WRW	SO87507830	LS	18-09-90	0.87
BLAKEDOWN BK.	CHURCHILL	SO88107950	LS	18-09-90	0.62
BLAKEDOWN BK.	HAGLEY D/S WRW	SO89407980	LS	18-09-90	0.85
BLAKEDOWN BK.	HAGLEY U/S WRW	SO89707990	LS	18-09-90	0.19
BLAKEDOWN BK.	HURCOTT	SO85107790	LS	18-09-90	0.00
BLAKEDOWN BK.	PODMORE POOL D/S	SO84407800	LS	18-09-90	0.00
BLAKEDOWN BK.	WANNERTON D/S WRW	SO86507810	LS	18-09-90	1.13
BLAKEDOWN BK. TRIB. LB	BLAKEDOWN	SO87907890	LS	18-09-90	0.04
BLOCKLEY BK.	BLOCKLEY D/S MILL	SP17703595	LS	24-08-90	3.96
BLOCKLEY BK. (L/C)	BLOCKLEY D/S MILL	SP17603595	LS	24-08-90	2.19
BLOCKLEY BK. (R/C)	BLOCKLEY D/S MILL	SP17603590	LS	24-08-90	2.02
BLYTHE	BARSTON	SP20057743	UT	15-08-90	5.09
BLYTHE	CASTLE FM.	SP21258875	UT	14-05-90	45.88
BLYTHE	CASTLE FM.	SP21258875	UT	24-05-90	35.99
BLYTHE	CASTLE FM.	SP21258875	UT	26-06-90	48.55
BLYTHE	CASTLE FM.	SP21258875	UT	18-07-90	29.23
BLYTHE	CASTLE FM.	SP21258875	UT	07-08-90	23.51
BLYTHE	CASTLE FM.	SP21308870	UT	15-08-90	19.65
BLYTHE	CASTLE FM.	SP21258875	UT	31-08-90	31.22
BLYTHE	CASTLE FM.	SP21258875	UT	18-10-90	43.01

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
BLYTHE	PATRICK BDGE	SP21508130	UT	15-08-90	19.34
BLYTHE	WHITACRE	SP21109100	UT	15-08-90	25.66
BOOTHORPE BK.	WOODVILLE	SK31351770	UT	30-07-90	0.19
BOSCOMBE BK.	PENKRIDGE	SJ92351402	UT	02-08-90	3.78
BOTTESLOW BK.	FENTON RD.BERRY HILL	SJ90104688	UT	17-09-90	2.38
BOTTLE BK.	LITTLE EATON	SK36404150	LT	27-07-90	8.42
BOTTLE BK.	LITTLE EATON	SK36404150	LT	15-08-90	12.20
BOURNE	FURNACE END BDGE	SP24829125	UT	26-06-90	7.91
BOURNE	FURNACE END BDGE	SP24829125	UT	03-07-90	8.14
BOURNE	FURNACE END BDGE	SP24829125	UT	10-07-90	8.27
BOURNE	FURNACE END BDGE	SP24829125	UT	17-07-90	8.68
BOURNE	FURNACE END BDGE	SP24829125	UT	24-07-90	6.89
BOURNE	FURNACE END BDGE	SP24829125	UT	31-07-90	9.73
BOURNE	FURNACE END BDGE	SP24829125	UT	07-08-90	6.98
BOURNE	FURNACE END BDGE	SP24829125	UT	14-08-90	6.47
BOURNE	FURNACE END BDGE	SP24829125	UT	21-08-90	8.54
BOURNE	FURNACE END BDGE	SP24829125	UT	28-08-90	8.04
BOURNE	FURNACE END BDGE	SP24829125	UT	04-09-90	7.02
BOURNE	FURNACE END BDGE	SP24829125	UT	11-09-90	7.54
BOURNE	FURNACE END BDGE	SP24829125	UT	18-09-90	8.40
BOURNE	FURNACE END BDGE	SP24829125	UT	25-09-90	9.79
BOURNE	FURNACE END BDGE	SP24829125	UT	02-10-90	8.16
BOURNE	FURNACE END BDGE	SP24829125	UT	09-10-90	7.52
BOURNE	FURNACE END BDGE	SP24829125	UT	16-10-90	7.54
BOURNE	FURNACE END BDGE	SP24829125	UT	23-10-90	8.34
BOURNE	FURNACE END BDGE	SP24829125	UT	30-10-90	7.13
BOURNE	WAGSTAFF FM.	SP25808975	UT	26-06-90	5.49
BOURNE	WAGSTAFF FM.	SP25808975	UT	03-07-90	5.52
BOURNE	WAGSTAFF FM.	SP25808975	UT	10-07-90	4.82
BOURNE	WAGSTAFF FM.	SP25808975	UT	17-07-90	4.49
BOURNE	WAGSTAFF FM.	SP25808975	UT	24-07-90	3.53
BOURNE	WAGSTAFF FM.	SP25808975	UT	31-07-90	4.25
BOURNE	WAGSTAFF FM.	SP25808975	UT	07-08-90	3.95
BOURNE	WAGSTAFF FM.	SP25808975	UT	14-08-90	3.77
BOURNE	WAGSTAFF FM.	SP25808975	UT	21-08-90	3.82
BOURNE	WAGSTAFF FM.	SP25808975	UT	28-08-90	3.49
BOURNE	WAGSTAFF FM.	SP25808975	UT	04-09-90	3.77
BOURNE	WAGSTAFF FM.	SP25808975	UT	11-09-90	3.56
BOURNE	WAGSTAFF FM.	SP25808975	UT	18-09-90	2.89
BOURNE	WAGSTAFF FM.	SP25808975	UT	25-09-90	4.89
BOURNE	WAGSTAFF FM.	SP25808975	UT	02-10-90	3.26
BOURNE	WAGSTAFF FM.	SP25808975	UT	09-10-90	3.49
BOURNE	WAGSTAFF FM.	SP25808975	UT	16-10-90	3.14
BOURNE	WAGSTAFF FM.	SP25808975	UT	23-10-90	3.64
BOURNE	WAGSTAFF FM.	SP25808975	UT	30-10-90	4.00
BOURNE BK.	ANSLEY MILL FORD	SP28199170	UT	26-06-90	0.74
BOURNE BK.	ANSLEY MILL FORD	SP28199170	UT	03-07-90	0.71
BOURNE BK.	ANSLEY MILL FORD	SP28199170	UT	10-07-90	0.73
BOURNE BK.	ANSLEY MILL FORD	SP28199170	UT	17-07-90	0.55
BOURNE BK.	ANSLEY MILL FORD	SP28199170	UT	24-07-90	0.54
BOURNE BK.	ANSLEY MILL FORD	SP28199170	UT	31-07-90	0.60
BOURNE BK.	ANSLEY MILL FORD	SP28199170	UT	07-08-90	0.60
BOURNE BK.	ANSLEY MILL FORD	SP28199170	UT	14-08-90	0.62
BOURNE BK.	ANSLEY MILL FORD	SP28199170	UT	21-08-90	0.62
BOURNE BK.	ANSLEY MILL FORD	SP28199170	UT	28-08-90	0.78
BOURNE BK.	ANSLEY MILL FORD	SP28199170	UT	04-09-90	0.33
BOURNE BK.	ANSLEY MILL FORD	SP28199170	UT	11-09-90	0.58
BOURNE BK.	ANSLEY MILL FORD	SP28199170	UT	18-09-90	0.67
BOURNE BK.	ANSLEY MILL FORD	SP28199170	UT	25-09-90	0.75
BOURNE BK.	ANSLEY MILL FORD	SP28199170	UT	02-10-90	0.71
BOURNE BK.	ANSLEY MILL FORD	SP28199170	UT	09-10-90	0.47
BOURNE BK.	ANSLEY MILL FORD	SP28199170	UT	16-10-90	0.52
BOURNE BK.	ANSLEY MILL FORD	SP28199170	UT	23-10-90	0.51
BOURNE BK.	ANSLEY MILL FORD	SP28199170	UT	30-10-90	0.60
BOURNE BK.	HANCH RES	SK10251360	UT	03-05-90	3.93
BOURNE BK.	HINTS HALL BDGE	SK16050262	UT	04-06-90	17.45
BOURNE BK.	HINTS HALL BDGE	SK16050262	UT	18-06-90	25.78
BOURNE BK.	HINTS HALL BDGE	SK16050262	UT	09-07-90	26.38
BOURNE BK.	HINTS HALL BDGE	SK16050262	UT	17-07-90	17.77
BOURNE BK.	HINTS HALL BDGE	SK16050262	UT	23-07-90	13.62
BOURNE BK.	HINTS HALL BDGE	SK16050262	UT	06-08-90	11.17
BOURNE BK.	HINTS HALL BDGE	SK16050262	UT	15-08-90	11.75
BOURNE BK.	HINTS HALL BDGE	SK16050262	UT	21-08-90	20.98

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
BOURNE BK.	HINTS HALL BDGE	SK16050262	UT	29-08-90	14.71
BOURNE BK.	HINTS HALL BDGE	SK16050262	UT	10-09-90	13.16
BOURNE BK.	HINTS HALL BDGE	SK16050262	UT	24-09-90	59.62
BOURNE BK.	LORRY PARK ARLEY	SP27608938	UT	26-06-90	1.92
BOURNE BK.	LORRY PARK ARLEY	SP27608938	UT	03-07-90	1.39
BOURNE BK.	LORRY PARK ARLEY	SP27608938	UT	10-07-90	1.80
BOURNE BK.	LORRY PARK ARLEY	SP27608938	UT	17-07-90	2.64
BOURNE BK.	LORRY PARK ARLEY	SP27608938	UT	24-07-90	1.27
BOURNE BK.	LORRY PARK ARLEY	SP27608938	UT	31-07-90	1.49
BOURNE BK.	LORRY PARK ARLEY	SP27608938	UT	07-08-90	1.11
BOURNE BK.	LORRY PARK ARLEY	SP27608938	UT	14-08-90	1.14
BOURNE BK.	LORRY PARK ARLEY	SP27608938	UT	21-08-90	2.06
BOURNE BK.	LORRY PARK ARLEY	SP27608938	UT	28-08-90	0.77
BOURNE BK.	LORRY PARK ARLEY	SP27608938	UT	04-09-90	1.20
BOURNE BK.	LORRY PARK ARLEY	SP27608938	UT	11-09-90	0.97
BOURNE BK.	LORRY PARK ARLEY	SP27608993	UT	18-09-90	1.34
BOURNE BK.	LORRY PARK ARLEY	SP27608938	UT	25-09-90	2.64
BOURNE BK.	LORRY PARK ARLEY	SP27608938	UT	02-10-90	1.21
BOURNE BK.	LORRY PARK ARLEY	SP27608938	UT	09-10-90	1.18
BOURNE BK.	LORRY PARK ARLEY	SP27608938	UT	16-10-90	0.89
BOURNE BK.	LORRY PARK ARLEY	SP27608938	UT	23-10-90	1.83
BOURNE BK.	LORRY PARK ARLEY	SP27608938	UT	30-10-90	2.05
BOURNE BK.	NEW BDGE	SP27468873	UT	26-06-90	2.19
BOURNE BK.	NEW BDGE	SP27468873	UT	03-07-90	2.21
BOURNE BK.	NEW BDGE	SP27468873	UT	10-07-90	1.82
BOURNE BK.	NEW BDGE	SP27468873	UT	17-07-90	3.03
BOURNE BK.	NEW BDGE	SP27468873	UT	24-07-90	1.07
BOURNE BK.	NEW BDGE	SP27468873	UT	31-07-90	1.78
BOURNE BK.	NEW BDGE	SP27468873	UT	07-08-90	1.20
BOURNE BK.	NEW BDGE	SP27468873	UT	14-08-90	1.64
BOURNE BK.	NEW BDGE	SP27468873	UT	21-08-90	1.82
BOURNE BK.	NEW BDGE	SP27468873	UT	28-08-90	1.15
BOURNE BK.	NEW BDGE	SP27468873	UT	04-09-90	0.91
BOURNE BK.	NEW BDGE	SP27468873	UT	11-09-90	0.88
BOURNE BK.	NEW BDGE	SP27468873	UT	18-09-90	0.74
BOURNE BK.	NEW BDGE	SP27468873	UT	25-09-90	1.91
BOURNE BK.	NEW BDGE	SP27468868	UT	02-10-90	1.97
BOURNE BK.	NEW BDGE	SP27468868	UT	09-10-90	1.40
BOURNE BK.	NEW BDGE	SP27468873	UT	16-10-90	0.97
BOURNE BK.	NEW BDGE	SP27468873	UT	23-10-90	1.57
BOURNE BK.	NEW BDGE	SP27468873	UT	30-10-90	2.11
BOURNE BK.	WHITACRE	SP21709140	UT	15-08-90	3.09
BOW BK.	BESFORD BDGE	S092704630	LS	09-06-90	13.93
BOW BK.	BESFORD BDGE	S092704630	LS	19-06-90	14.08
BOW BK.	BESFORD BDGE	S092684618	LS	12-07-90	7.11
BOW BK.	BESFORD BDGE	S092704630	LS	13-07-90	6.47
BOW BK.	BESFORD BDGE	S092704630	LS	26-07-90	4.14
BOW BK.	BESFORD BDGE	S092704630	LS	09-08-90	3.35
BOW BK.	BESFORD BDGE	S092704630	LS	13-08-90	2.78
BOW BK.	BESFORD BDGE	S092704630	LS	31-08-90	5.43
BOW BK.	BESFORD BDGE	S092704130	LS	18-09-90	5.62
BOW BK.	BESFORD BDGE	S092604610	LS	28-09-90	8.93
BOW BK.	BESFORD BDGE	S092704630	LS	09-10-90	11.40
BOW BK.	BRANDON BK. U/S	SP00706040	LS	03-05-90	4.15
BOW BK.	BRANDON BK. U/S	SP00706040	LS	15-06-90	2.14
BOW BK.	BRANDON BK. U/S	SP00706040	LS	18-07-90	1.37
BOW BK.	BRANDON BK. U/S	SP00706040	LS	13-08-90	0.93
BOW BK.	BUNKERS HOLE	SP01706280	LS	03-05-90	2.63
BOW BK.	BUNKERS HOLE	SP01706280	LS	15-06-90	1.79
BOW BK.	BUNKERS HOLE	SP01606280	LS	18-07-90	0.96
BOW BK.	BUNKERS HOLE	SP01706280	LS	13-08-90	0.89
BOW BK.	DUNSTALL COURT	SP01006190	LS	13-08-90	1.45
BOW BK.	ELCOCKS BK.	SP01104400	LS	13-08-90	0.32
BOW BK.	FECKENHAM	SP00506150	LS	26-07-90	0.72
BOW BK.	FECKENHAM	SP00506110	LS	18-09-90	2.59
BOW BK.	FECKENHAM	SP00506130	LS	18-09-90	2.60
BOW BK.	HAM GREEN	SP01406380	LS	03-05-90	1.35
BOW BK.	HAM GREEN	SP01406380	LS	15-06-90	0.86
BOW BK.	HAM GREEN	SP01406390	LS	18-07-90	0.35
BOW BK.	HAM GREEN	SP01406370	LS	13-08-90	0.34
BOW BK.	PRIEST BDGE	S098955980	LS	18-07-90	4.04
BOW BK.	PRIEST BDGE	S098955980	LS	18-07-90	2.20
BOW BK.	PRIEST BDGE	S099005990	LS	26-07-90	3.95

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
BOW BK.	PRIEST BDGE	S099005990	LS	09-08-90	3.78
BOW BK.	PRIEST BDGE	S099005990	LS	18-09-90	4.20
BOW BK.	PRIEST BDGE D/S WRW	S098955980	LS	03-05-90	11.06
BOW BK.	PRIEST BDGE D/S WRW	S098955980	LS	15-06-90	6.45
BOW BK.	PRIEST BDGE D/S WRW	S099305980	LS	18-07-90	4.04
BOW BK.	PRIEST BDGE U/S WRW	S099305980	LS	03-05-90	7.40
BOW BK.	PRIEST BDGE U/S WRW	S099305980	LS	15-06-90	4.50
BOW BK.	PRIEST BDGE U/S WRW	S099305980	LS	18-07-90	2.00
BOW BK.	PRIEST BDGE U/S WRW	S099305980	LS	13-08-90	3.78
BOW BK.	PRIEST BDGE U/S WRW	S099305980	LS	13-08-90	1.68
BOW BK.	SHELL HIMBERTON	S095105960	LS	26-07-90	2.81
BOW BK.	SHELL HIMBERTON	S095105960	LS	09-08-90	2.92
BOW BK.	SHELL HIMBERTON	S095105960	LS	18-09-90	7.99
BOW BK.	UPPER BENTLEY	SP00406600	LS	13-08-90	0.07
BOW BK.	WEBHEATH U/S P.S	SP01056700	LS	13-08-90	0.03
BOW BK. (SWANS)	FECKENHAM	SP00506150	LS	09-08-90	1.07
BOW BK. (TRIB. LB)	ASTWOOD COURT	SP03006200	LS	03-05-90	0.66
BOW BK. (TRIB. LB)	ASTWOOD COURT	SP02906200	LS	15-06-90	0.67
BOW BK. (TRIB. LB)	ASTWOOD COURT	SP02906200	LS	18-07-90	0.31
BOW BK. (TRIB. LB)	ASTWOOD COURT	SP02906200	LS	13-08-90	0.36
BOW BK. (TRIB. LB)	BUNKERS HOLE	SP02206280	LS	03-05-90	1.04
BOW BK. (TRIB. LB)	BUNKERS HOLE	SP02206280	LS	15-06-90	0.64
BOW BK. (TRIB. LB)	BUNKERS HOLE	SP02106280	LS	18-07-90	0.51
BOW BK. (TRIB. LB)	BUNKERS HOLE	SP02206280	LS	13-08-90	0.43
BOW BK. (TRIB. LB)	ELCOCKS BK.	SP01106460	LS	13-08-90	0.25
BOW BK. (TRIB. LB)	HUNT END	SP03306390	LS	03-05-90	0.52
BOW BK. (TRIB. LB)	HUNT END	SP03306390	LS	15-06-90	0.39
BOW BK. (TRIB. LB)	HUNT END	SP03306390	LS	18-07-90	0.33
BOW BK. (TRIB. LB)	HUNT END	SP03306390	LS	13-08-90	0.31
BOW BK. (TRIB. LB)	NORGROVE COURT	SP00606530	LS	03-05-90	0.08
BOW BK. (TRIB. LB)	NORGROVE COURT	SP00706540	LS	15-06-90	0.02
BOW BK. (TRIB. LB)	NORGROVE COURT	SP00606530	LS	18-07-90	0.00
BOW BK. (TRIB. LB)	NORGROVE COURT	SP00706550	LS	13-08-90	0.01
BOW BK. (TRIB. LB)	WEBHEATH U/S P.S	SP01056700	LS	13-08-90	0.02
BRADBOURNE BK.	CALLOW	SK17224688	UT	24-07-90	9.82
BRADBOURNE BK.	CALLOW	SK17224688	UT	03-08-90	8.35
BRADBOURNE BK.	CALLOW	SK17224688	UT	16-08-90	6.82
BRADBOURNE BK.	CALLOW	SK17304820	UT	18-09-90	4.73
BRADFORD BK.	YOULGREAVE	SK20906400	LT	26-07-90	1.43
BRADFORD BK.	YOULGREAVE	SK21606410	LT	14-08-90	1.30
BRAILSFORD BK.	ARDSLEY	SK22403805	UT	03-08-90	7.40
BRAILSFORD BK.	ARDSLEY	SK22423805	UT	16-08-90	9.50
BRAILSFORD BK.	ARDSLEY	SK22423805	UT	18-09-90	8.21
BRAILSFORD BK.	BRAILSFORD	SK22443805	UT	24-07-90	9.74
BRANDON BK.	BOW BK. U/S CONF	SP00706020	LS	03-05-90	2.94
BRANDON BK.	BOW BK. U/S CONF	SP00706020	LS	15-06-90	1.93
BRANDON BK.	BOW BK. U/S CONF	SP00706020	LS	18-07-90	0.80
BRANDON BK.	BOW BK. U/S CONF	SP00706040	LS	13-08-90	0.79
BRANDON BK.	SHURNOCK COURT	SP02806090	LS	03-05-90	0.96
BRANDON BK.	SHURNOCK COURT	SP02806090	LS	15-06-90	0.70
BRANDON BK.	SHURNOCK COURT	SP02806090	LS	18-07-90	0.46
BRANDON BK.	SHURNOCK COURT	SP02806090	LS	13-08-90	0.50
BRANDON BK. (TRIB. RB)	B4090	SP02006100	LS	03-05-90	0.70
BRANDON BK. (TRIB. RB)	B4090	SP02006100	LS	15-06-90	0.96
BRANDON BK. (TRIB. RB)	B4090	SP02006100	LS	18-07-90	1.36
BRANDON BK. (TRIB. RB)	B4090	SP02006100	LS	18-07-90	0.79
BRANDON BK. (TRIB. RB)	B4090	SP02006100	LS	13-08-90	0.10
BREEDON BK.	BREEDON	SK41102320	LT	06-09-90	0.16
BREWOOD BK.	BREWOOD	SJ88800870	UT	02-08-90	1.10
BROCKTON BK.	BROCKTON	SJ82253130	UT	01-08-90	1.24
BURTON OVERY BK.	GREAT GLEN D/S WRW	SP65609740	LT	31-05-90	2.24
BURTON OVERY BK.	GREAT GLEN D/S WRW	SP65609740	LT	26-06-90	2.06
BURTON OVERY BK.	GREAT GLEN D/S WRW	SP65609740	LT	25-07-90	1.56
BURTON OVERY BK.	GREAT GLEN U/S WRW	SP66309760	LT	31-05-90	1.09
BURTON OVERY BK.	GREAT GLEN U/S WRW	SP66309760	LT	26-06-90	1.12
BURTON OVERY BK.	GREAT GLEN U/S WRW	SP66309760	LT	25-07-90	0.79
BUSHLEY BK. (TRIB. RB)	LONGDON U/S WRW	S083923630	LS	11-07-90	0.12
BYNE BK.	STREFFORD D/S QUINNY	S044408560	US	26-07-90	3.74
BYNE BK.	STREFFORD D/S QUINNY	S044408560	US	12-09-90	2.48
CAIN	LLANFYLLIN	SJ14401960	US	21-09-90	2.34
CAM	CAMBRIDGE	S074950380	LS	18-06-90	33.31
CAM	CAMBRIDGE	S074950380	LS	25-06-90	17.76
CAM	CAMBRIDGE	S074950380	LS	03-07-90	12.23

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M ³ /d
CAM	CAMBRIDGE	S074950380	LS	12-07-90	14.81
CAM	CAMBRIDGE	S074950380	LS	03-08-90	14.31
CAM	CAMPDEN HO D/S LAKES	SP13253800	LS	24-08-90	0.42
CAM	CAMPDEN HO U/S LAKES	SP13203770	LS	24-08-90	0.19
CAM (TRIB)	CAMBRIDGE	S075000370	LS	14-09-90	0.94
CAMLAD	BRYN HYFRYD	S021309980	US	07-08-90	5.73
CANAL FEEDER	CARREGHOFA HALL	SJ25302160	US	21-07-90	7.26
CANAL FEEDER	PENARTH WEIR	S013969264	US	29-06-90	17.96
CANAL FEEDER	PENARTH WEIR	S013959256	US	21-07-90	12.84
CANAL FEEDER	PENARTH WEIR	S013959256	US	07-08-90	16.89
CANAL OUTFALL WERN	POND INPUT	SJ25151415	US	29-06-90	2.43
CANAL OUTFALL WERN	RIVER INPUT	SJ25151405	US	29-06-90	5.99
CANNOP BK. SEVERN CHA	LYDNEY NEWGROUNDS	S064700120	LS	15-10-90	283.91
CAR DYKE	ELSTON	SK77404840	LT	05-09-90	8.10
CAR DYKE	HOLME FM. BINGHAM	SK71254090	LT	09-10-90	2.22
CAR DYKE	SCARRINGTON	SK73204230	LT	09-10-90	5.13
CAREYS BK.	POWICK	S083305070	LS	03-08-90	0.62
CAREYS BK.	POWICK	S083305070	LS	14-09-90	0.83
CARLTON CURLIEU BK.	FLECKNEY BK. U/S CONF	SP65809510	LT	31-05-90	0.19
CARLTON CURLIEU BK.	FLECKNEY BK. U/S CONF	SP65809510	LT	26-06-90	0.33
CARLTON CURLIEU BK.	FLECKNEY BK. U/S CONF	SP65809510	LT	25-07-90	0.00
CARNO	CAERSWS	S002609180	US	07-08-90	1.42
CARRANT BK.	MOTORWAY CULVERT	S091803480	LS	26-07-90	1.84
CARRANT BK.	MOTORWAY CULVERT	S091703470	LS	09-08-90	2.32
CARRANT BK.	TEWKESBURY M5	S091703470	LS	18-09-90	1.70
CARRANT BK. (TRIB)	OVERBURY CT U/S POND	S095793757	LS	28-09-90	1.06
CHATCULL BK.	STANDON	SJ80723458	UT	01-08-90	1.22
CHELT	SANDFORD PARK	S095402150	LS	03-08-90	1.32
CHELT	SANDFORD PARK	S095402150	LS	14-09-90	1.87
CHELT	SLATE MILL	S089202640	LS	03-08-90	28.52
CHELT	SLATE MILL	S089202640	LS	14-09-90	17.01
CHELT	WITBY BDGE	S090402460	LS	03-08-90	2.95
CHELT	WITBY BDGE	S090402460	LS	14-09-90	2.91
CHITLINGS BK.	TRENT VALE	SJ87554311	UT	17-09-90	0.30
CHURCH EATON BK.	MITTON	SJ88501527	UT	02-08-90	3.90
CHURNET	ALTON	SK07164255	UT	24-07-90	77.07
CHURNET	ALTON	SK07164255	UT	03-08-90	72.11
CHURNET	ALTON	SK07164255	UT	16-08-90	70.79
CHURNET	ALTON	SK07164255	UT	18-09-90	69.66
CHURNET	BASFORD BDGE	SJ98305190	UT	02-05-90	49.31
CHURNET	BASFORD BDGE	SJ98305190	UT	07-06-90	42.85
CHURNET	BASFORD BDGE	SJ98305190	UT	02-07-90	41.24
CHURNET	BASFORD BDGE	SJ98305190	UT	26-07-90	35.86
CHURNET	BASFORD BDGE	SJ98305190	UT	07-08-90	35.42
CHURNET	BASFORD BDGE	SJ98305190	UT	21-08-90	45.96
CHURNET	BASFORD BDGE	SJ98305190	UT	17-09-90	36.24
CHURNET	BASFORD BDGE	SJ98305190	UT	09-10-90	48.82
CHURNET	BASFORD BDGE	SJ98305190	UT	23-10-90	41.44
CHURNET	FROGHALL BOLTONS 'A'	SK02304736	UT	11-10-90	57.45
CHURNET	FROGHALL D/S BOLTONS	SK02554708	UT	11-10-90	72.53
CHURNET	FROGHALL U/S BOLTONS	SK01804760	UT	11-10-90	57.35
CHURNET	LEEK A53 RD. BDGE	SJ97425529	UT	24-07-90	23.20
CHURNET	LEEK A53 RD. BDGE	SJ97425529	UT	03-08-90	16.91
CHURNET	LEEK A53 RD. BDGE	SJ97425529	UT	16-08-90	13.42
CHURNET	LEEK A53 RD. BDGE	SJ97425529	UT	18-09-90	26.01
CHURNET	ROCESTER JCB BDGE	SK10754000	UT	17-05-90	121.20
CHURNET	ROCESTER JCB BDGE	SK10754000	UT	12-06-90	95.16
CHURNET	ROCESTER JCB BDGE	SK10754000	UT	29-06-90	115.97
CHURNET	ROCESTER JCB BDGE	SK10754000	UT	12-07-90	93.97
CHURNET	ROCESTER JCB BDGE	SK10754000	UT	06-08-90	60.41
CHURNET	ROCESTER JCB BDGE	SK10754000	UT	21-08-90	110.57
CHURNET	ROCESTER JCB BDGE	SK10754000	UT	31-08-90	73.45
CHURNET	ROCESTER JCB BDGE	SK10754000	UT	14-09-90	84.59
CHURNET	ROCESTER JCB BDGE	SK10754000	UT	19-10-90	140.57
CHURNET	ROCESTER JCB BDGE	SK10754000	UT	30-10-90	215.98
CHURNET	TITTESWORTH COMP. FLM	SJ99155810	UT	24-07-90	15.33
CHURNET	TITTESWORTH COMP. FLM	SJ99235810	UT	03-08-90	16.80
CHURNET	TITTESWORTH COMP. FLM	SJ99235810	UT	16-08-90	16.05
CHURNET	TITTESWORTH COMP. FLM	SJ99235810	UT	18-09-90	17.45
CINDERFORD BK.	SOULDLEY	S065201080	LS	03-08-90	1.24
CINDERFORD BK.	SOULDLEY	S065201080	LS	14-09-90	0.99
CINDERFORD BK.	STEAM MILLS	S064701580	LS	19-06-90	0.45
CLAY BK.	BLACKMINSTER	SP07204420	LS	18-09-90	0.83

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
CLAY BK.	LOWER BLACKMINSTER	SP07204420	LS	26-07-90	0.43
CLAY BK.	LOWER BLACKMINSTER	SP07204420	LS	09-08-90	0.00
CLAYCOTTON BK.	LILBOURNE	SP56707740	LS	27-07-90	0.88
CLAYCOTTON BK.	LILBOURNE	SP56807740	LS	07-08-90	0.55
CLENT BK.	HAGLEY	SP089707980	LS	18-09-90	0.07
CLIFTON BK.	RUGBY GOLF COURSE	SP52207575	LS	24-07-90	1.11
CLIFTON BK.	RUGBY GOLF COURSE	SP52207575	LS	07-08-90	1.73
CLUN	CLUN	S030008080	US	26-07-90	9.91
CLUN	CLUN	S030008080	US	12-09-90	6.51
CLUN	CLUNGUNFORD	S039307860	US	26-07-90	20.62
CLUN	CLUNGUNFORD	S039307860	US	12-09-90	15.01
COAL BK.	CHIPNAIL LEES	SJ72603235	US	24-07-90	4.42
COLE	BACONS END	SP18338747	UT	05-06-90	26.80
COLE	BACONS END	SP18158730	UT	14-08-90	8.24
COLE	BACONS END	SP18158730	UT	31-08-90	14.58
COLE	BACONS END	SP18158730	UT	15-10-90	121.88
COLE	MAJORS GREEN	SP09857738	UT	14-08-90	0.88
COLE	SPRINGFIELD	SP09958208	UT	14-08-90	3.47
COLEY BK.	COLEY MILL	SJ78101940	US	23-05-90	11.91
COLEY BK.	COLEY MILL	SJ78101940	US	14-06-90	12.02
COLEY BK.	COLEY MILL	SJ78101940	US	04-07-90	10.74
COLEY BK.	COLEY MILL	SJ78101940	US	12-07-90	9.29
COLEY BK.	COLEY MILL	SJ78101940	US	23-07-90	9.97
COLEY BK.	COLEY MILL	SJ78101940	US	08-08-90	9.83
COLEY BK.	COLEY MILL	SJ78101940	US	29-08-90	9.64
COLEY BK.	COLEY MILL	SJ78101940	US	12-10-90	13.69
COLLEY BK.	WALL UNDER HEYWOOD	S050529234	US	17-07-90	0.05
COLLEY BK.	WALL UNDER HEYWOOD	S050529218	US	17-07-90	0.09
COLWALL	COLWALL WRW DISCHARG	S073704290	LS	13-08-90	0.00
COOMBES BK.	BASFORD GREEN	SJ99555127	UT	27-07-90	1.36
COOMBES BK.	BASFORD GREEN	SJ99455120	UT	11-10-90	2.70
CORN BK.	MONKS BDGE	S061706855	US	26-07-90	2.26
CORN BK.	MONKS BDGE	S061606850	US	12-09-90	2.21
CORVE	CULMINGTON	S049408210	US	26-07-90	0.03
CORVE	CULMINGTON	S049408210	US	12-09-90	0.16
CORVE	LUDLOW	S051007540	US	26-07-90	3.64
CORVE	LUDLOW	S051007540	US	12-09-90	2.65
COUNTSTHORPE BK.	COUNTSTHORPE	SP59409580	LT	02-08-90	0.66
COUNTSTHORPE BK.	COUNTSTHORPE	SP59409580	LT	12-09-90	0.59
CRADLEY	CRADLEY WRW DISCHARG	S073304820	LS	13-08-90	0.00
CRADLEY BK.	COLWALL U/S WRW	S073704290	LS	13-08-90	0.00
CRADLEY BK.	CRADLEY U/S WRW	S073304810	LS	13-08-90	1.59
CRANE BK.	CHESTERFIELD	SK10020575	UT	15-08-90	6.35
CROW BK.	STRINE CONF 10M U/S	SJ66891560	US	24-05-90	6.78
CROXDEN BK.	CROXDEN	SK06703960	UT	08-07-90	1.21
CUBLEY BK.	LITTLE CUBLEY	SK16403755	UT	20-07-90	1.69
CUTTLE BK.	TEMPLE BALSALL	SP20457615	UT	15-08-90	1.18
CYNLLAITH	PANDY-NEUADD	SJ23323132	US	13-07-90	0.42
DARLASTON BK.	PORKETS BDGE	S096659718	UT	14-08-90	0.92
DARNFORD BK.	SWINFEN PRISON	SK13500645	UT	03-05-90	1.21
DAWFORD BK.	ORSLOW BK. U/S CONF	SJ79001580	US	14-06-90	2.08
DAWFORD BK.	ORSLOW BK. U/S CONF	SJ79001580	US	04-07-90	3.72
DAWFORD BK.	ORSLOW BK. U/S CONF	SJ79001580	US	12-07-90	2.43
DAWFORD BK.	ORSLOW BK. U/S CONF	SJ79001580	US	23-07-90	1.13
DAWFORD BK.	ORSLOW BK. U/S CONF	SJ79101580	US	08-08-90	0.66
DAWFORD BK.	ORSLOW BK. U/S CONF	SJ79001580	US	29-08-90	1.57
DAWFORD BK.	ORSLOW BK. U/S CONF	SJ79001580	US	17-09-90	1.75
DAWFORD BK.	ORSLOW BK. U/S CONF	SJ79001580	US	12-10-90	1.75
DENE	WALTON HALL D/S HALL	SP28405250	LS	08-08-90	1.18
DENE	WALTON NR HOME FM.	SP28665367	LS	25-07-90	2.29
DENE	WELLESBOURNE	SP27205560	LS	02-05-90	11.91
DENE	WELLESBOURNE	SP27215558	LS	08-05-90	7.77
DENE	WELLESBOURNE	SP27215558	LS	18-05-90	8.68
DENE	WELLESBOURNE	SP27215558	LS	18-05-90	8.11
DENE	WELLESBOURNE	SP27215558	LS	22-06-90	10.32
DENE	WELLESBOURNE	SP27215558	LS	12-07-90	7.48
DENE	WELLESBOURNE	SP27215558	LS	12-07-90	9.44
DENE	WELLESBOURNE	SP27215558	LS	12-07-90	10.79
DENE	WELLESBOURNE	SP27215558	LS	12-07-90	7.75
DENE	WELLESBOURNE	SP27215558	LS	16-07-90	7.35
DENE	WELLESBOURNE	SP27215558	LS	25-07-90	4.95
DENE	WELLESBOURNE	SP27215558	LS	25-07-90	4.80
DENE	WELLESBOURNE	SP27308560	LS	08-08-90	5.44

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
DENE	WELLESBOURNE	SP27215558	LS	17-09-90	4.18
DENE	WELLESBOURNE	SP27215558	LS	22-10-90	15.92
DERWENT	AMBERGATE	SK33805380	LT	27-07-90	297.70
DERWENT	AMBERGATE	SK34605160	LT	15-08-90	277.86
DERWENT	CHATSWORTH	SK26086839	LT	06-06-90	145.26
DERWENT	CHATSWORTH	SK26086839	LT	20-07-90	154.81
DERWENT	CHATSWORTH	SK25706580	LT	26-07-90	156.99
DERWENT	CHATSWORTH	SK26086839	LT	30-08-90	156.39
DERWENT	CHATSWORTH	SK26086839	LT	27-09-90	185.54
DERWENT	CHATSWORTH	SK26086839	LT	10-10-90	166.39
DERWENT	DERBY ST. MARYS	SK35403690	LT	13-06-90	375.91
DERWENT	DERBY ST. MARYS	SK36103600	LT	27-07-90	349.53
DERWENT	DERBY ST. MARYS	SK36103600	LT	15-08-90	358.34
DERWENT	DERBY ST. MARYS	SK35403690	LT	22-08-90	428.65
DERWENT	DERBY ST. MARYS	SK35403690	LT	31-08-90	366.69
DERWENT	DRAYCOTT	SK44303275	LT	17-05-90	608.55
DERWENT	DRAYCOTT	SK44303275	LT	18-06-90	411.47
DERWENT	DRAYCOTT	SK44353272	LT	27-07-90	430.11
DERWENT	DRAYCOTT	SK44303275	LT	15-08-90	398.67
DERWENT	DRAYCOTT	SK44303275	LT	29-08-90	395.15
DERWENT	DRAYCOTT	SK44303270	LT	04-09-90	404.61
DERWENT	DRAYCOTT	SK44303275	LT	26-09-90	488.04
DERWENT	DUFFIELD	SK35104355	LT	27-07-90	400.89
DERWENT	DUFFIELD	SK35104355	LT	15-08-90	421.80
DERWENT	MATLOCK BATH	SK29665864	LT	14-05-90	392.98
DERWENT	MATLOCK BATH	SK29665864	LT	07-06-90	350.27
DERWENT	MATLOCK BATH	SK29665864	LT	10-07-90	315.71
DERWENT	MATLOCK BATH	SK29605860	LT	27-07-90	299.49
DERWENT	MATLOCK BATH	SK29605860	LT	15-08-90	281.20
DERWENT	MATLOCK BATH	SK29665864	LT	29-08-90	296.81
DERWENT	MATLOCK BATH	SK29665864	LT	04-10-90	351.46
DERWENT	MATLOCK BATH	SK29665864	LT	18-10-90	890.01
DERWENT	ROWSLEY	SK26006560	LT	14-08-90	138.64
DERWENT	YORKSHIRE BDGE EST	SK19808510	LT	09-07-90	20.23
DERWENT	YORKSHIRE BDGE EST	SK19808510	LT	26-07-90	38.64
DERWENT	YORKSHIRE BDGE EST	SK19808510	LT	14-08-90	38.69
DERWENT	YORKSHIRE BDGE WST	SK19808510	LT	09-07-90	20.57
DERWENT	YORKSHIRE BDGE WST	SK19808510	LT	26-07-90	38.59
DERWENT	YORKSHIRE BDGE WST	SK19808510	LT	14-08-90	37.89
DEVON	BOTTESFORD	SK80603900	LT	05-09-90	0.71
DEVON	WENSOR BDGE	SK78654575	LT	27-07-90	6.92
DEVON	WENSOR BDGE	SK78654575	LT	31-07-90	7.48
DEVON	WENSOR BDGE	SK78654575	LT	06-08-90	4.47
DEVON	WENSOR BDGE	SK78654575	LT	14-08-90	7.15
DEVON	WENSOR BDGE	SK78654575	LT	29-08-90	9.09
DEVON	WENSOR BDGE	SK78654575	LT	05-09-90	6.78
DEVON	WENSOR BDGE	SK76854575	LT	24-09-90	9.53
DEVON	WENSOR BDGE	SK78654575	LT	09-10-90	8.74
DEVON	WENSOR BDGE	SK78654575	LT	16-10-90	8.04
DEVON	WENSOR BDGE	SK78654575	LT	24-10-90	14.03
DEVON	WOOLSTHORPE	SK83503420	LT	05-09-90	0.94
DICK BK. (TRIB)	BROOKEND ABERLEY	S076206770	US	23-08-90	0.02
DICK BK. (TRIB)	PORCHBROOK	S072709060	US	23-08-90	0.13
DIDGLEY BK.	DIDGLEY LANE	SP27308738	UT	19-06-90	0.16
DIDGLEY BK.	DIDGLEY LANE	SP27308730	UT	26-06-90	0.16
DIDGLEY BK.	DIDGLEY LANE	SP28008775	UT	26-06-90	0.45
DIDGLEY BK.	DIDGLEY LANE	SP27308738	UT	03-07-90	0.07
DIDGLEY BK.	DIDGLEY LANE	SP27308738	UT	10-07-90	0.03
DIDGLEY BK.	DIDGLEY LANE	SP27308738	UT	17-07-90	0.10
DIDGLEY BK.	DIDGLEY LANE	SP27308738	UT	24-07-90	0.13
DIDGLEY BK.	DIDGLEY LANE	SP27308738	UT	31-07-90	0.00
DIDGLEY BK.	DIDGLEY LANE	SP27308738	UT	07-08-90	0.05
DIDGLEY BK.	DIDGLEY LANE	SP27308738	UT	14-08-90	0.04
DIDGLEY BK.	DIDGLEY LANE	SP27308738	UT	21-08-90	0.16
DIDGLEY BK.	DIDGLEY LANE	SP27308738	UT	28-08-90	0.03
DIDGLEY BK.	DIDGLEY LANE	SP27308738	UT	04-09-90	0.00
DIDGLEY BK.	DIDGLEY LANE	SP27308738	UT	11-09-90	0.00
DIDGLEY BK.	DIDGLEY LANE	SP27308738	UT	18-09-90	0.00
DIDGLEY BK.	DIDGLEY LANE	SP27308738	UT	25-09-90	0.00
DIDGLEY BK.	DIDGLEY LANE	SP27308738	UT	02-10-90	0.00
DIDGLEY BK.	DIDGLEY LANE	SP27308738	UT	09-10-90	0.00
DIDGLEY BK.	DIDGLEY LANE	SP27308738	UT	16-10-90	0.00
DIDGLEY BK.	DIDGLEY LANE	SP27308738	UT	23-10-90	0.00

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M ³ /d
DIDGLEY BK.	DIDGLEY LANE	SP27308738	UT	30-10-90	0.00
DIDGLEY BK.	FILLONGLEY LODGE	SP27508868	UT	26-06-90	1.37
DIDGLEY BK.	FILLONGLEY LODGE	SP27508868	UT	03-07-90	1.24
DIDGLEY BK.	FILLONGLEY LODGE	SP27508868	UT	10-07-90	1.46
DIDGLEY BK.	FILLONGLEY LODGE	SP27508868	UT	17-07-90	1.01
DIDGLEY BK.	FILLONGLEY LODGE	SP27508868	UT	24-07-90	1.08
DIDGLEY BK.	FILLONGLEY LODGE	SP27508868	UT	31-07-90	1.05
DIDGLEY BK.	FILLONGLEY LODGE	SP27508868	UT	07-08-90	1.01
DIDGLEY BK.	FILLONGLEY LODGE	SP27508868	UT	14-08-90	0.99
DIDGLEY BK.	FILLONGLEY LODGE	SP27508868	UT	21-08-90	1.12
DIDGLEY BK.	FILLONGLEY LODGE	SP27508868	UT	28-08-90	0.94
DIDGLEY BK.	FILLONGLEY LODGE	SP27508868	UT	04-09-90	0.79
DIDGLEY BK.	FILLONGLEY LODGE	SP27508868	UT	11-09-90	0.73
DIDGLEY BK.	FILLONGLEY LODGE	SP27508868	UT	18-09-90	0.62
DIDGLEY BK.	FILLONGLEY LODGE	SP27508868	UT	25-09-90	1.38
DIDGLEY BK.	FILLONGLEY LODGE	SP27508868	UT	02-10-90	0.87
DIDGLEY BK.	FILLONGLEY LODGE	SP27508868	UT	09-10-90	0.80
DIDGLEY BK.	FILLONGLEY LODGE	SP27508868	UT	16-10-90	0.86
DIDGLEY BK.	FILLONGLEY LODGE	SP27568868	UT	23-10-90	0.94
DIDGLEY BK.	FILLONGLEY LODGE	SP27508868	UT	30-10-90	1.34
DOLEY BK.	GNOSALL	SJ82812054	UT	15-05-90	0.70
DOLEY BK.	GNOSALL	SJ82812054	UT	21-05-90	0.56
DOLEY BK.	GNOSALL	SJ82812054	UT	02-08-90	0.12
DOVE	EGGINTON A38 BDGE	SK26802703	UT	19-07-90	169.01
DOVE	EGGINTON A38 BDGE	SK26822695	UT	24-07-90	150.55
DOVE	EGGINTON A38 BDGE	SK26822710	UT	03-08-90	217.45
DOVE	EGGINTON A38 BDGE	SK26822708	UT	16-08-90	187.36
DOVE	EGGINTON A38 BDGE	SK26802703	UT	30-08-90	204.68
DOVE	EGGINTON A38 BDGE	SK26822708	UT	18-09-90	173.14
DOVE	HARTINGTON	SK12155980	UT	24-07-90	10.87
DOVE	HARTINGTON	SK12055990	UT	03-08-90	7.88
DOVE	HARTINGTON	SK12056005	UT	16-08-90	8.35
DOVE	HARTINGTON	SK12105975	UT	18-09-90	4.77
DOVE	HOLLINSCLOUGH	SK07106690	UT	24-07-90	3.96
DOVE	HOLLINSCLOUGH	SK06306680	UT	03-08-90	2.93
DOVE	HOLLINSCLOUGH	SK06306680	UT	16-08-90	3.58
DOVE	HOLLINSCLOUGH	SK06306675	UT	18-09-90	3.00
DOVE	MARSTON	SK23612888	UT	18-05-90	400.11
DOVE	MARSTON	SK23612888	UT	07-06-90	405.20
DOVE	MARSTON	SK23612888	UT	19-07-90	321.58
DOVE	MARSTON	SK23612888	UT	01-08-90	251.72
DOVE	MARSTON	SK23612888	UT	30-08-90	275.75
DOVE	MARSTON	SK23612888	UT	17-09-90	217.37
DOVE	MARSTON	SK23612888	UT	19-10-90	672.82
DOVE	ROCESTER	SK11253970	UT	17-05-90	248.75
DOVE	ROCESTER	SK11253970	UT	06-06-90	196.03
DOVE	ROCESTER	SK11253970	UT	29-06-90	219.97
DOVE	ROCESTER	SK11253970	UT	12-07-90	198.18
DOVE	ROCESTER	SK11253970	UT	06-08-90	127.32
DOVE	ROCESTER	SK11253970	UT	31-08-90	115.08
DOVE	ROCESTER	SK11253970	UT	14-09-90	125.54
DOVE	ROCESTER	SK11253970	UT	19-10-90	347.88
DOVER BECK	CAYTHORPE	SK68604860	LT	05-09-90	3.73
DOVER BECK	CAYTHORPE	SK68704560	LT	27-09-90	4.08
DOVER BECK	LOWDHAM	SK65274798	LT	03-05-90	6.17
DOVER BECK	LOWDHAM	SK65274798	LT	04-06-90	3.52
DOVER BECK	LOWDHAM	SK65274798	LT	18-07-90	3.69
DOVER BECK	LOWDHAM	SK65274798	LT	31-07-90	3.15
DOVER BECK	LOWDHAM	SK65104803	LT	05-09-90	2.32
DOVER BECK	LOWDHAM	SK65104803	LT	11-09-90	2.03
DOVER BECK	LOWDHAM	SK65274798	LT	27-09-90	2.72
DOVER BECK	SHELT HILL	SK64304870	LT	05-09-90	0.01
DOVER BECK	SHELT HILL	SK64304870	LT	11-09-90	0.00
DOVER BECK	SHELT HILL	SK64204880	LT	27-09-90	0.00
DOXEY BK.	DOXEY BDGE	SJ89852375	UT	01-08-90	3.12
ECCLESBOURNE	DUFFIELD	SK31954470	LT	11-05-90	13.33
ECCLESBOURNE	DUFFIELD	SK31954470	LT	29-06-90	14.38
ECCLESBOURNE	DUFFIELD	SK31954470	LT	15-08-90	18.68
ECCLESBOURNE	DUFFIELD	SK31954470	LT	10-10-90	8.92
ECCLESBOURNE	IDRIDGEHAY	SK29004890	LT	27-07-90	3.05
ECCLESBOURNE	IDRIDGEHAY	SK29004890	LT	15-08-90	8.13
ECCLESBOURNE	PUSS IN BOOTS	SK32004462	LT	27-07-90	9.51
EDSTONE BK.	BEARLEY X A34T BDGE	SP16106120	LS	08-08-90	1.88

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
EDSTONE BK.	HERMITAGE BDGE	SP16906120	LS	25-07-90	1.95
EGGINTON BK.	EGGINTON	SK26902860	UT	06-09-90	3.17
EGMANTON BK.	EGMANTON	SK73506870	LT	23-07-90	0.40
ELL BK.	CLEEVE MILL	S073202620	LS	03-08-90	3.83
ELL BK.	CLEEVE MILL	S073202620	LS	14-09-90	3.69
ELL BK.	RED HILL	S076602470	LS	19-06-90	9.81
ELLERTON BK.	WAGGS BK. U/S	SJ71302520	US	24-08-90	13.20
ENDON BK.	WALLGRANGE	SJ96595355	UT	24-07-90	6.19
ENDON BK.	WALLGRANGE	SJ96595355	UT	03-08-90	7.42
ENDON BK.	WALLGRANGE	SJ96595355	UT	16-08-90	5.19
ENDON BK.	WALLGRANGE	SJ96595355	UT	18-09-90	7.59
EREWASH	GILTBROOK U/S WRW	SK46304550	LT	04-09-90	9.72
EREWASH	HALLAM FIELDS U/S	SK47754030	LT	04-09-90	19.01
EREWASH	KIRKBY U/S WRW	SK49005490	LT	04-09-90	1.39
EREWASH	MILNHAY U/S WRW	SK45804660	LT	04-09-90	1.20
EREWASH	PINXTON U/S WRW	SK45605440	LT	04-09-90	7.78
EREWASH	PYE BDGE D/S ST/FO	SK44704960	LT	04-09-90	12.54
EREWASH	TOTON RD. BDGE	SK50303420	LT	04-09-90	54.32
EREWASH (L/C)	SANDIACRE	SK48253645	LT	11-07-90	31.39
EREWASH (L/C)	SANDIACRE	SK48253645	LT	31-08-90	23.79
EREWASH (L/C)	SANDIACRE	SK48303650	LT	04-09-90	25.43
EREWASH (L/C)	SANDIACRE	SK48253645	LT	13-09-90	23.89
EREWASH (R/C)	SANDIACRE	SK48253645	LT	11-07-90	29.12
EREWASH (R/C)	SANDIACRE	SK48253645	LT	31-08-90	20.72
EREWASH (R/C)	SANDIACRE	SK48303650	LT	04-09-90	20.92
EREWASH (R/C)	SANDIACRE	SK48253645	LT	13-09-90	18.93
EYE	BRENTINGBY	SK77401860	LT	02-08-90	3.29
EYE	BRENTINGBY	SK77401860	LT	12-09-90	2.83
EYE	SAXBY	SK82101940	LT	02-08-90	2.64
EYE	SAXBY	SK82101940	LT	12-09-90	2.13
FAIRHAM BK.	CLIFTON BDGE	SK56103660	LT	04-09-90	4.69
FARLEY BK.	MUCH WENLOCK	SJ62910039	US	06-08-90	0.17
FEEDER STREAM	UPPER FORGE FISH FM.	S072488970	US	24-05-90	6.75
FEEDER STREAM	UPPER FORGE FISH FM.	S072488970	US	24-05-90	6.68
FENEMERE BK.	FENEMERE U/S	SJ44602310	US	22-08-90	0.56
FILLONGLEY BK.	DIDGLEY BDGE	SP28008775	UT	19-06-90	0.60
FILLONGLEY BK.	DIDGLEY BDGE	SP28008775	UT	03-07-90	0.33
FILLONGLEY BK.	DIDGLEY BDGE	SP28008775	UT	10-07-90	0.37
FILLONGLEY BK.	DIDGLEY BDGE	SP28008775	UT	17-07-90	0.22
FILLONGLEY BK.	DIDGLEY BDGE	SP28008775	UT	24-07-90	0.16
FILLONGLEY BK.	DIDGLEY BDGE	SP28008775	UT	31-07-90	0.16
FILLONGLEY BK.	DIDGLEY BDGE	SP28008775	UT	07-08-90	0.13
FILLONGLEY BK.	DIDGLEY BDGE	SP28008775	UT	14-08-90	0.16
FILLONGLEY BK.	DIDGLEY BDGE	SP28008775	UT	21-08-90	0.26
FILLONGLEY BK.	DIDGLEY BDGE	SP28008775	UT	28-08-90	0.18
FILLONGLEY BK.	DIDGLEY BDGE	SP28008775	UT	04-09-90	0.13
FILLONGLEY BK.	DIDGLEY BDGE	SP28008775	UT	11-09-90	0.13
FILLONGLEY BK.	DIDGLEY BDGE	SP28008775	UT	18-09-90	0.05
FILLONGLEY BK.	DIDGLEY BDGE	SP28008775	UT	25-09-90	0.46
FILLONGLEY BK.	DIDGLEY BDGE	SP28008775	UT	02-10-90	0.26
FILLONGLEY BK.	DIDGLEY BDGE	SP28008775	UT	09-10-90	0.16
FILLONGLEY BK.	DIDGLEY BDGE	SP28008775	UT	16-10-90	0.15
FILLONGLEY BK.	DIDGLEY BDGE	SP28008775	UT	23-10-90	0.07
FILLONGLEY BK.	DIDGLEY BDGE	SP28008775	UT	30-10-90	0.44
FINHAM BK.	FINHAM BDGE	SP33107400	LS	23-07-90	5.67
FINHAM BK.	FINHAM BDGE	SP33107400	LS	17-09-90	4.77
FINHAM BK.	KENILWORTH U/S WRW	SP30007300	LS	23-07-90	3.64
FINHAM BK.	KENILWORTH U/S WRW	SP30007300	LS	07-08-90	2.63
FINHAM BK.	KENILWORTH U/S WRW	SP30007295	LS	17-09-90	2.68
FLECKNEY BK.	D/S OUTFLOW	SP65709460	LT	31-05-90	1.43
FLECKNEY BK.	D/S RD. BDGE	SP65909500	LT	31-05-90	1.70
FLECKNEY BK.	D/S RD. BDGE	SP65909500	LT	25-07-90	1.17
FLECKNEY BK.	FLECKNEY D/S WRW O/F	SP65709460	LT	26-06-90	1.49
FLECKNEY BK.	FLECKNEY D/S WRW O/F	SP65709460	LT	25-07-90	0.50
FLECKNEY BK.	FLECKNEY U/S WRW O/F	SP65709460	LT	31-05-90	0.34
FLECKNEY BK.	FLECKNEY U/S WRW O/F	SP65709460	LT	26-06-90	0.27
FLECKNEY BK.	FLECKNEY U/S WRW O/F	SP65709460	LT	25-07-90	0.02
FLECKNEY BK.	KIBWORTH BDGE	SP65909500	LT	26-06-90	1.66
FLECKNEY BK.	KIBWORTH BDGE	SP65909490	LT	02-08-90	1.09
FLECKNEY BK.	KIBWORTH BDGE	SP65909490	LT	12-09-90	1.20
FLECKNEY BK.	SENCE U/S CONF	SP65359565	LT	31-05-90	2.07
FLECKNEY BK.	SENCE U/S CONF	SP65359565	LT	26-06-90	2.31
FLECKNEY BK.	SENCE U/S CONF	SP65359565	LT	25-07-90	1.20

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
FORD BK.	BROCKHURST	SP00509650	UT	14-08-90	7.18
FORD BK.	RUSHALL	SK02550110	UT	14-08-90	7.96
FOSTON BK.	FOSTON	SK18863190	UT	24-07-90	3.91
FOSTON BK.	FOSTON	SK18733177	UT	03-08-90	2.84
FOSTON BK.	FOSTON	SK18733169	UT	16-08-90	4.09
FOSTON BK.	FOSTON	SK18733177	UT	18-09-90	2.84
FOTHERLEY BK.	LITTLE ASTON	SK09180188	UT	15-08-90	2.25
FOTHERLEY BK.	SHENSTONE	SK10500458	UT	15-08-90	10.13
FROME	CAUDLE GREEN	S094601030	LS	06-08-90	0.08
FROME	CAUDLE GREEN	S094601030	LS	11-09-90	0.03
FROME	CHALFORD	S089200240	LS	03-08-90	10.64
FROME	CHALFORD	S089200240	LS	06-08-90	12.59
FROME	CHALFORD	S089200240	LS	11-09-90	8.82
FROME	DUDBRIDGE	S083400460	LS	06-08-90	23.64
FROME	DUDBRIDGE	S083400460	LS	11-09-90	16.71
FROME	EBLEY MILL	S083000450	LS	14-06-90	87.00
FROME	EBLEY MILL	S083000450	LS	03-07-90	74.44
FROME	EBLEY MILL	S083000450	LS	12-07-90	74.40
FROME	EBLEY MILL	S083000450	LS	19-07-90	76.38
FROME	EBLEY MILL	S082800440	LS	03-08-90	54.83
FROME	EBLEY MILL	S082900440	LS	05-08-90	61.63
FROME	EBLEY MILL	S082900440	LS	06-09-90	50.73
FROME	EBLEY MILL	S082900440	LS	11-09-90	44.06
FROME	EBLEY MILL	S082900440	LS	14-09-90	48.67
FROME	EBLEY MILL	S083100470	LS	10-10-90	44.94
FROME	EDGEWORTH MILL D/S	S095100630	LS	06-08-90	0.20
FROME	EDGEWORTH MILL D/S	S095100630	LS	07-09-90	0.07
FROME	EDGEWORTH MILL D/S	S095100630	LS	12-10-90	0.08
FROME	EDGEWORTH MILL U/S	S095200670	LS	06-08-90	0.33
FROME	EDGEWORTH MILL U/S	S095200670	LS	07-09-90	0.30
FROME	EDGEWORTH MILL U/S	S095200670	LS	12-10-90	0.04
FROME	FROMEBRIDGE	S076950726	LS	18-06-90	158.32
FROME	FROMEBRIDGE	S076950726	LS	25-06-90	112.80
FROME	FROMEBRIDGE	S076940726	LS	03-07-90	104.22
FROME	FROMEBRIDGE	S076940726	LS	12-07-90	100.04
FROME	FROMEBRIDGE	S076940726	LS	03-08-90	40.25
FROME	FROMEBRIDGE	S076940726	LS	03-08-90	77.97
FROME	FROMEBRIDGE	S076940726	LS	06-08-90	76.95
FROME	FROMEBRIDGE MILL	S076900730	LS	11-09-90	66.19
FROME	FROMEBRIDGE MILL	S076900730	LS	14-09-90	56.21
FROME	OAKRIDGE	S091100280	LS	06-08-90	0.60
FROME	OAKRIDGE	S091100280	LS	11-09-90	0.27
FROME	REDLARS	S083500460	LS	14-06-90	37.14
FROME	SAUL D/S OF JUNCTION	S075600940	LS	06-08-90	6.58
FROME	SAUL D/S OF JUNCTION	S075600940	LS	11-09-90	11.14
FROME	STROUD	S084700500	LS	11-09-90	17.81
FROME	STROUD STW YARD	S084700500	LS	06-08-90	21.75
FROME	THRUPP	S086300280	LS	06-08-90	26.28
FROME	THRUPP	S086300280	LS	11-09-90	14.83
FROME (MID ARM)	CHURCHEND	S078300565	LS	06-08-90	24.05
FROME (N.ARM NC)	CHURCHEND	S078300570	LS	06-08-90	12.53
FROME (N.ARM NC)	CHURCHEND	S078200570	LS	11-09-90	9.01
FROME (N.ARM NC)	CHURCHEND	S078200570	LS	11-09-90	18.71
FROME (N.ARM NC)	OCEANS BDGE	S079600490	LS	06-08-90	40.81
FROME (N.ARM NC)	OCEANS BDGE	S079600490	LS	11-09-90	27.33
FROME (S.ARM)	BEARDS MILL D/S CONF	S079500480	LS	06-08-90	22.14
FROME (S.ARM)	BEARDS MILL D/S CONF	S079500480	LS	11-09-90	16.57
FROME (S.ARM)	MILLEND	S078100550	LS	06-08-90	44.81
FROME (S.ARM)	MILLEND	S078100550	LS	11-09-90	33.45
FROME (TAILRACE)	FROMEBRIDGE	S076940726	LS	18-06-90	3.45
FURNACE END BK.	FURNACE END WRW	SP24659140	UT	26-06-90	0.56
FURNACE END BK.	FURNACE END WRW	SP24659140	UT	03-07-90	0.48
FURNACE END BK.	FURNACE END WRW	SP24659140	UT	10-07-90	0.59
FURNACE END BK.	FURNACE END WRW	SP24659140	UT	17-07-90	0.53
FURNACE END BK.	FURNACE END WRW	SP24659140	UT	24-07-90	0.39
FURNACE END BK.	FURNACE END WRW	SP24659140	UT	31-07-90	0.34
FURNACE END BK.	FURNACE END WRW	SP24659140	UT	07-08-90	0.24
FURNACE END BK.	FURNACE END WRW	SP24659140	UT	14-08-90	0.35
FURNACE END BK.	FURNACE END WRW	SP24659140	UT	21-08-90	0.34
FURNACE END BK.	FURNACE END WRW	SP24659140	UT	28-08-90	0.27
FURNACE END BK.	FURNACE END WRW	SP24659140	UT	04-09-90	0.21
FURNACE END BK.	FURNACE END WRW	SP24659140	UT	11-09-90	0.28
FURNACE END BK.	FURNACE END WRW	SP24659140	UT	18-09-90	0.22

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M ³ /d
FURNACE END BK.	FURNACE END WRW	SP24659140	UT	25-09-90	0.22
FURNACE END BK.	FURNACE END WRW	SP24659140	UT	02-10-90	0.22
FURNACE END BK.	FURNACE END WRW	SP24659140	UT	09-10-90	0.24
FURNACE END BK.	FURNACE END WRW	SP24659140	UT	16-10-90	0.17
FURNACE END BK.	FURNACE END WRW	SP24659140	UT	23-10-90	0.27
FURNACE END BK.	FURNACE END WRW	SP24659140	UT	30-10-90	0.27
FURNACE END BK.	HALL FM.	SP26359230	UT	26-06-90	0.52
FURNACE END BK.	HALL FM.	SP26359230	UT	03-07-90	0.38
FURNACE END BK.	HALL FM.	SP26359230	UT	10-07-90	0.36
FURNACE END BK.	HALL FM.	SP26359230	UT	17-07-90	0.44
FURNACE END BK.	HALL FM.	SP26359230	UT	24-07-90	0.24
FURNACE END BK.	HALL FM.	SP26359230	UT	31-07-90	0.29
FURNACE END BK.	HALL FM.	SP26359230	UT	07-08-90	0.26
FURNACE END BK.	HALL FM.	SP26359230	UT	14-08-90	0.23
FURNACE END BK.	HALL FM.	SP26359230	UT	21-08-90	0.00
FURNACE END BK.	HALL FM.	SP26359230	UT	04-09-90	0.30
FURNACE END BK.	HALL FM.	SP26359230	UT	11-09-90	0.23
FURNACE END BK.	HALL FM.	SP26359230	UT	18-09-90	0.28
FURNACE END BK.	HALL FM.	SP26359230	UT	25-09-90	0.07
FURNACE END BK.	HALL FM.	SP26359230	UT	02-10-90	0.00
FURNACE END BK.	HALL FM.	SP26359230	UT	09-10-90	0.00
FURNACE END BK.	HALL FM.	SP26359230	UT	16-10-90	0.00
FURNACE END BK.	HALL FM.	SP26359230	UT	23-10-90	0.00
FURNACE END BK.	HALL FM.	SP26359230	UT	30-10-90	0.00
GALLOWES BK.	HAGLEY U/S WRW	S089808000	LS	14-08-90	1.66
GALLOWES BK. (TRIB)	GALLOWES U/S CONF	S089807970	LS	14-08-90	0.02
GAMESLEY BK.	BROADHEATH FM.	SJ85652658	UT	13-07-90	0.35
GAMESLEY BK.	SEIGHFORD	SJ87752545	UT	01-08-90	0.72
GLYNCH BK.	STANBROOK FM.	S077702810	LS	19-06-90	2.69
GLYNCH BK.	STANBROOK FM.	S077702800	LS	03-08-90	1.06
GLYNCH BK.	STANBROOK FM.	S077702800	LS	14-09-90	1.31
GOYT	DERBYSHIRE BDGE	SK01807200	LT	04-06-90	6.24
GRACE DIEU BK.	BELTON	SK45902100	LT	03-08-90	4.43
GRACE DIEU BK.	BELTON	SK45802090	LT	13-09-90	11.46
GRASSTHORPE DYKE	GRASSTHORPE	SK79706770	LT	05-09-90	3.40
GREET	MAYTHORNE	SK69705550	LT	05-09-90	5.88
GREET	SOUTHWELL	SK71555395	LT	03-05-90	13.69
GREET	SOUTHWELL	SK71555395	LT	04-06-90	10.45
GREET	SOUTHWELL	SK71555395	LT	18-06-90	11.47
GREET	SOUTHWELL	SK71555395	LT	18-07-90	8.36
GREET	SOUTHWELL	SK71555395	LT	31-07-90	7.41
GREET	SOUTHWELL	SK71555395	LT	14-08-90	7.80
GREET	SOUTHWELL	SK71555399	LT	21-08-90	6.88
GREET	SOUTHWELL	SK71555395	LT	29-08-90	7.94
GREET	SOUTHWELL	SK71405390	LT	05-09-90	7.18
GREET	SOUTHWELL	SK71555395	LT	11-09-90	7.85
GREET	SOUTHWELL	SK71555395	LT	24-09-90	8.22
GREET	SOUTHWELL	SK71555395	LT	09-10-90	7.59
GREET (TRIB)	KIRKLINGTON	SK67695730	LT	05-09-90	3.94
GREET (TRIB)	MAYTHORNE	SK68805570	LT	05-09-90	1.10
GREET (TRIB)	OSMANTHORPE	SK67805690	LT	05-09-90	0.29
GRIMESMOOR DYKE	SHELT HILL	SK64504830	LT	05-09-90	2.11
GRIMESMOOR DYKE	SHELT HILL	SK64504830	LT	11-09-90	1.94
GRIMESMOOR DYKE	SHELT HILL	SK64504830	LT	27-09-90	2.00
HADLEY BK.	DOVERDALE BDGE	S085906630	US	26-05-90	6.68
HADLEY BK.	DOVERDALE BDGE	S085906630	US	12-06-90	6.28
HADLEY BK.	DOVERDALE BDGE	S085906630	US	26-06-90	6.11
HADLEY BK.	DOVERDALE BDGE	S085906630	US	19-07-90	4.11
HADLEY BK.	DOVERDALE BDGE	S085906630	US	14-08-90	2.93
HADLEY BK.	DOVERDALE BDGE	S085906630	US	04-09-90	2.93
HADLEY BK.	DOVERDALE BDGE	S085906630	US	18-09-90	2.79
HADLEY BK.	DOVERDALE BDGE	S085906630	US	12-10-90	3.44
HADLEY BK.	SOUTHALL FM.	S085806510	US	26-05-90	7.41
HADLEY BK.	SOUTHALL FM.	S085806510	US	12-06-90	6.05
HADLEY BK.	SOUTHALL FM.	S085806510	US	26-06-90	5.91
HADLEY BK.	SOUTHALL FM.	S085806510	US	19-07-90	3.82
HADLEY BK.	SOUTHALL FM.	S085806510	US	01-08-90	3.43
HADLEY BK.	SOUTHALL FM.	S085806510	US	14-08-90	4.73
HADLEY BK.	SOUTHALL FM.	S085806510	US	04-09-90	7.10
HADLEY BK.	SOUTHALL FM.	S085806510	US	18-09-90	7.21
HADLEY BK.	SOUTHALL FM.	S085806510	US	12-10-90	6.38
HADLEY BK.	TILE HOUSE FM.	S086506410	US	26-05-90	7.66
HADLEY BK.	TILE HOUSE FM.	S085606410	US	12-06-90	8.10

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
HADLEY BK.	TILE HOUSE FM.	S085606410	US	26-06-90	7.47
HADLEY BK.	TILE HOUSE FM.	S085606410	US	19-07-90	4.54
HADLEY BK.	TILE HOUSE FM.	S085606410	US	01-08-90	3.65
HADLEY BK.	TILE HOUSE FM.	S085606410	US	14-08-90	5.35
HADLEY BK.	TILE HOUSE FM.	S085606410	US	04-09-90	6.26
HADLEY BK.	TILE HOUSE FM.	S085606410	US	18-09-90	7.08
HADLEY BK.	TILE HOUSE FM.	S085606410	US	12-10-90	6.16
HADLEY BK.(TRIB)	YARDINGS FM.	S085506510	US	12-10-90	0.00
HADLEY BK.(TRIB.LB)	TILE HOUSE FM.	S086606410	US	26-05-90	0.50
HADLEY BK.(TRIB.LB)	TILE HOUSE FM.	S086606410	US	12-06-90	1.36
HADLEY BK.(TRIB.LB)	TILE HOUSE FM.	S086606410	US	26-06-90	0.51
HADLEY BK.(TRIB.LB)	TILE HOUSE FM.	S086606410	US	19-07-90	0.24
HADLEY BK.(TRIB.LB)	TILE HOUSE FM.	S086606410	US	01-08-90	0.22
HADLEY BK.(TRIB.LB)	TILE HOUSE FM.	S086606410	US	14-08-90	0.19
HADLEY BK.(TRIB.LB)	TILE HOUSE FM.	S086606410	US	04-09-90	0.18
HADLEY BK.(TRIB.LB)	TILE HOUSE FM.	S086606410	US	18-09-90	0.11
HADLEY BK.(TRIB.LB)	TILE HOUSE FM.	S086606410	US	12-10-90	0.17
HADLEY BK.(TRIB.RB)	AWFORD LANE	S085506560	US	12-06-90	0.18
HADLEY BK.(TRIB.RB)	AWFORD LANE	S085506560	US	26-06-90	0.14
HADLEY BK.(TRIB.RB)	AWFORD LANE	S085506560	US	19-07-90	0.00
HADLEY BK.(TRIB.RB)	AWFORD LANE	S085506560	US	01-08-90	0.11
HADLEY BK.(TRIB.RB)	AWFORD LANE	S085506510	US	14-08-90	0.09
HADLEY BK.(TRIB.RB)	AWFORD LANE	S085506560	US	04-09-90	0.09
HADLEY BK.(TRIB.RB)	AWFORD LANE	S085506560	US	18-09-90	0.09
HADLEY BK.(TRIB.RB)	AWFORD LANE	S085506560	US	12-10-90	0.06
HADLEY BK.(TRIB.RB)	COW LANE SYTCHAMPTON	S084806600	US	26-05-90	0.00
HADLEY BK.(TRIB.RB)	COW LANE SYTCHAMPTON	S084806600	US	12-06-90	0.00
HADLEY BK.(TRIB.RB)	COW LANE SYTCHAMPTON	S084806600	US	26-06-90	0.00
HADLEY BK.(TRIB.RB)	COW LANE SYTCHAMPTON	S084806600	US	19-07-90	0.00
HADLEY BK.(TRIB.RB)	COW LANE SYTCHAMPTON	S084806600	US	14-08-90	1.25
HADLEY BK.(TRIB.RB)	COW LANE SYTCHAMPTON	S084806600	US	04-09-90	3.57
HADLEY BK.(TRIB.RB)	COW LANE SYTCHAMPTON	S084806600	US	18-09-90	3.27
HADLEY BK.(TRIB.RB)	COW LANE SYTCHAMPTON	S084806600	US	12-10-90	1.89
HADLEY BK.(TRIB.RB)	HADLEY BK. CONF	S085506560	US	26-05-90	0.17
HADLEY BK.(TRIB.RB)	OMBERSLEY D/S WRW	S085506510	US	26-05-90	0.56
HADLEY BK.(TRIB.RB)	SOUTHALL FM.	S085706510	US	26-05-90	0.62
HADLEY BK.(TRIB.RB)	SOUTHALL FM.	S085706510	US	12-06-90	0.58
HADLEY BK.(TRIB.RB)	SOUTHALL FM.	S085706510	US	26-06-90	0.61
HADLEY BK.(TRIB.RB)	SOUTHALL FM.	S085706510	US	19-07-90	0.47
HADLEY BK.(TRIB.RB)	SOUTHALL FM.	S085706510	US	01-08-90	0.22
HADLEY BK.(TRIB.RB)	SOUTHALL FM.	S085706510	US	14-08-90	0.32
HADLEY BK.(TRIB.RB)	SOUTHALL FM.	S085706510	US	04-09-90	0.52
HADLEY BK.(TRIB.RB)	SOUTHALL FM.	S085606410	US	18-09-90	0.45
HADLEY BK.(TRIB.RB)	SOUTHALL FM.	S085706510	US	12-10-90	0.48
HAGLEY BK.	BLAKEDOWN U/S WRW	S087257825	LS	08-08-90	0.66
HALLOUGHTON DUMBLE	ROLLESTON	SK73605240	LT	05-09-90	0.84
HAMPS	WATERHOUSES	SK08505028	UT	24-07-90	5.37
HAMPS	WATERHOUSES	SK08445022	UT	03-08-90	5.01
HAMPS	WATERHOUSES	SK08445022	UT	16-08-90	6.00
HAMPS	WATERHOUSES	SK08285020	UT	18-09-90	4.07
HARTLEBURY BK.	CHARLTON	S083407100	LS	14-08-90	1.45
HARTLEBURY BK.	CHARLTON D/S ABS	S083307090	LS	14-08-90	0.86
HARTLEBURY BK.	WHITLENCE FM.	S085707150	LS	14-08-90	0.48
HARTLEBURY BK.(TRIB)	SUMMERFIELD	S084107320	LS	03-05-90	0.35
HARTSHEY BK.	WINGFIELD PARK	SK37605200	LT	17-05-90	8.40
HARTSHEY BK.	WINGFIELD PARK	SK37605200	LT	25-05-90	5.51
HARTSHEY BK.	WINGFIELD PARK	SK37605200	LT	01-06-90	4.26
HARTSHEY BK.	WINGFIELD PARK	SK37605200	LT	08-06-90	6.40
HARTSHEY BK.	WINGFIELD PARK	SK37605200	LT	15-06-90	4.12
HARTSHEY BK.	WINGFIELD PARK	SK37605200	LT	22-06-90	19.60
HARTSHEY BK.	WINGFIELD PARK	SK37605200	LT	28-06-90	8.87
HARTSHEY BK.	WINGFIELD PARK	SK37605200	LT	05-07-90	9.66
HARTSHEY BK.	WINGFIELD PARK	SK37605200	LT	13-07-90	6.00
HARTSHEY BK.	WINGFIELD PARK	SK37605200	LT	20-07-90	4.32
HARTSHEY BK.	WINGFIELD PARK	SK37505180	LT	27-07-90	5.33
HARTSHEY BK.	WINGFIELD PARK	SK37605200	LT	03-08-90	5.01
HARTSHEY BK.	WINGFIELD PARK	SK37605200	LT	09-08-90	6.21
HARTSHEY BK.	WINGFIELD PARK	SK37605200	LT	15-08-90	8.16
HATHERLEY BK.	LONGFORD	S084102140	LS	03-08-90	8.42
HATHERLEY BK.	LONGFORD	S084102140	LS	14-09-90	6.75
HAYE FM. POOL COMP	YARDINGS FM.	S085456510	US	12-06-90	0.00
HAYE FM. POOL COMP	YARDINGS FM.	S085506510	US	19-07-90	0.00
HAYE FM. POOL COMP	YARDINGS FM.	S085506510	US	01-08-90	0.00

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
HAYE FM. POOL COMP	YARDINGS FM.	S085506510	US	14-08-90	0.00
HAYE FM. POOL COMP	YARDINGS FM.	S085506510	US	04-09-90	0.00
HAYE FM. POOL COMP	YARDINGS FM.	S085506510	US	18-09-90	0.00
HAYE FM. POOL OVRFLW	YARDINGS FM.	S085456510	US	01-08-90	0.00
HAYE FM. POOL OVRFLW	YARDINGS FM.	S085456510	US	14-08-90	0.00
HAYE FM. POOL OVRFLW	YARDINGS FM.	S085456510	US	04-09-90	0.00
HAYE FM. POOL OVRFLW	YARDINGS FM.	S085456510	US	18-09-90	0.00
HEN BK.	BAYER CHEMICALS U/S	S095006700	US	17-08-90	0.16
HEN BK.	HENBROOK	S092906690	US	08-08-90	1.87
HEN BK.	STOKE PRIOR U/S WRW	S094006660	US	17-08-90	0.40
HENMORE BK.	ASHBOURNE	SK17504650	UT	24-07-90	3.77
HENMORE BK.	ASHBOURNE	SK17674632	UT	03-08-90	3.14
HENMORE BK.	ASHBOURNE	SK17674632	UT	16-08-90	4.46
HENMORE BK.	ASHBOURNE	SK17654632	UT	18-09-90	3.94
HILLCARR SOUGH	ROWSLEY	SK25906390	LT	26-07-90	30.14
HILLCARR SOUGH	ROWSLEY	SK25906380	LT	14-08-90	15.77
HILTON BK.	HILTON	SK24203055	UT	19-07-90	17.72
HILTON BK. (WORFE)	HILTON D/S CONF	S077359550	US	20-07-90	7.14
HILTON BK.	HILTON	SK24083055	UT	24-07-90	22.17
HILTON BK.	HILTON	SK24203055	UT	03-08-90	15.45
HILTON BK.	HILTON	SK24203055	UT	16-08-90	24.36
HILTON BK.	HILTON	SK24203055	UT	30-08-90	17.89
HILTON BK.	HILTON	SK24203055	UT	18-09-90	19.66
HODSOCK BK.	BLYTHE	SK61008690	LT	08-08-90	5.07
HOLY BK.	TUNLEY	S093200440	LS	06-08-90	0.07
HOO BK.	DEANSFORD FM.	S087807710	LS	14-08-90	4.57
HOOTON BK.	ROCHE ABBEY	SK53808940	LT	09-08-90	1.70
HORSEBERE BK.	LONGFORD	S084402100	LS	03-08-90	0.85
HORSEBERE BK.	LONGFORD	S084002130	LS	14-09-90	0.87
HORSEBERE BK.	SHURDINGTON	S090201630	LS	18-06-90	2.11
HORSLEY BK.	NAILSWORTH	ST85009940	LS	06-08-90	19.49
HORSLEY BK.	NAILSWORTH	ST85009950	LS	11-09-90	9.14
HORTON BK.	ENDON A53	SJ93425413	UT	11-10-90	3.84
HUMBER BK.	THE HUMBERS	SJ69301520	US	25-07-90	2.07
HUMBER BK.	THE HUMBERS	SJ69301520	US	13-08-90	2.90
HUMBERSTONE BK.	HUMBERSTONE	SK61900505	LT	13-09-90	2.34
HUMBERSTONE BK.	HUMBERSTONE PARK	SK61900505	LT	03-08-90	1.81
HUMESFORD BK.	AQUALATE MERE	SJ78802030	US	02-05-90	0.93
HUMESFORD BK.	AQUALATE MERE	SJ78802030	US	23-05-90	0.84
HUMESFORD BK.	AQUALATE MERE	SJ78802030	US	14-06-90	0.79
HUMESFORD BK.	AQUALATE MERE	SJ78802030	US	04-07-90	0.98
HUMESFORD BK.	AQUALATE MERE	SJ78802030	US	12-07-90	0.35
HUMESFORD BK.	AQUALATE MERE	SJ78802030	US	23-07-90	0.53
HUMESFORD BK.	AQUALATE MERE	SJ78802030	US	08-08-90	0.48
HUMESFORD BK.	AQUALATE MERE	SJ78802030	US	29-08-90	0.59
HUMESFORD BK.	AQUALATE MERE	SJ78802030	US	14-09-90	0.37
HUMESFORD BK.	AQUALATE MERE	SJ78802030	US	12-10-90	0.54
HURST CLOUGH	BAMFORD	SK21108220	LT	08-08-90	0.32
IDLE	CHAIN BRIDGE LANE	SK71308570	LT	08-08-90	62.57
IDLE	GAMSTON BDGE	SK70807630	LT	07-08-90	66.78
IDLE	MATTERSEY	SK69008955	LT	27-06-90	136.86
IDLE	MATTERSEY	SK69008955	LT	25-07-90	69.41
IDLE	MATTERSEY	SK68858950	LT	08-08-90	42.32
IDLE	MATTERSEY	SK69008955	LT	07-09-90	89.10
IDLE	ORDSALL	SK70607960	LT	07-08-90	73.66
IDLE	ORDSALL	SK70606960	LT	08-08-90	70.49
IDLE	SCAFTWORTH	SK66329150	LT	08-08-90	62.34
IPSTONES BK.	FROGHALL BOLTONS	SK02504746	UT	11-10-90	7.67
ISBOURNE	HINTON	SP02304060	LS	15-05-90	16.18
ISBOURNE	HINTON	SP02354063	LS	17-05-90	13.44
ISBOURNE	HINTON	SP02354063	LS	22-06-90	20.03
ISBOURNE	HINTON	SP02354063	LS	12-07-90	8.08
ISBOURNE	HINTON	SP02304080	LS	26-07-90	5.50
ISBOURNE	HINTON	SP02304080	LS	09-08-90	6.01
ISBOURNE	HINTON	SP02304080	LS	05-09-90	3.79
ISBOURNE	HINTON	SP02304080	LS	18-09-90	5.57
ISBOURNE	HINTON	SP02354063	LS	28-09-90	5.32
ISBOURNE	HINTON	SP02304060	LS	15-10-90	4.55
ISBOURNE	WINCHCOMBE U/S WRW	SP02802880	LS	26-07-90	4.79
ISBOURNE	WINCHCOMBE U/S WRW	SP02802880	LS	09-08-90	4.34
ISBOURNE	WINCHCOMBE U/S WRW	SP02802880	LS	18-09-90	3.82
ISBOURNE	WORMINGTON D/S TRIB	SP03703640	LS	26-07-90	5.95
ISBOURNE	WORMINGTON D/S TRIB	SP03703640	LS	09-08-90	4.79

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
ISBOURNE	NORMINGTON D/S TRIB	SP03703640	LS	18-09-90	5.51
ITCHEN	BISHOPS ITCHINGTON	SP39605840	LS	24-07-90	0.21
ITCHEN	BISHOPS ITCHINGTON	SP39505840	LS	07-08-90	0.11
ITCHEN	BISHOPS ITCHINGTON	SP39505840	LS	17-09-90	0.30
ITCHEN	MARTON	SP40506870	LS	07-08-90	4.62
ITCHEN	SNOWFORD BDGE	SP39306640	LS	24-07-90	4.17
ITCHEN	SNOWFORD BDGE	SP39306640	LS	07-08-90	3.03
ITCHEN	SNOWFORD BDGE	SP39306640	LS	17-09-90	4.14
ITCHEN	SOUTHAM	SP40206160	LS	24-07-90	0.92
ITCHEN	SOUTHAM	SP40106150	LS	07-08-90	0.92
ITCHEN	SOUTHAM	SP40206160	LS	17-09-90	1.08
KETTLEBY BK.	ASFORDBY	SK71851925	LT	02-08-90	0.19
KETTLEBY BK.	PASTURE FM.	SK71701920	LT	12-09-90	0.46
KEYHAM BK.	BELGRAVE	SK60400730	LT	03-08-90	0.00
KEYHAM BK.	BELGRAVE	SK60400730	LT	13-09-90	0.00
KINGSHURST BK.	CHELMSLEY WOOD	SP17658720	UT	14-08-90	5.19
KINGSTON BK.	KINGSTON ON SOAR	SK50302770	LT	03-08-90	2.56
KINGSTON BK.	KINGSTON ON SOAR	SK50302770	LT	13-09-90	0.69
KNEE BK.	DITCHFORD FRIARY	SP24603730	LS	08-08-90	6.78
KNEE BK.	HIGH FURZE	SP25403760	LS	25-07-90	7.21
KYRE BK.	TENBURY	S059706840	US	26-07-90	2.28
KYRE BK.	TENBURY	S059706840	US	12-09-90	1.64
LAMB LANE DYKE	FIRBECK	SK56508850	LT	08-08-90	1.14
LAMBLEY DUMBLES	ADJ PUMPING STN	SK62604520	LT	29-06-90	0.35
LANEHAM BECK	LANEHAM	SK80207600	LT	05-09-90	3.21
LANGLEY BK.	MIDDLETON	SP17559808	UT	15-08-90	3.11
LATHKILL	ALPORT	SK22106440	LT	26-07-90	4.34
LATHKILL	ALPORT	SK22106440	LT	14-08-90	2.97
LATHKILL	PICKERING WOOD	SK23906840	LT	26-07-90	1.59
LATHKILL	PICKERING WOOD	SK23906840	LT	14-08-90	0.00
LAUGHERNE BK.	WORCESTER A4103	S082705400	LS	26-07-90	2.10
LAUGHERNE BK.	WORCESTER A4103	S082805390	US	12-09-90	1.18
LEADON	GREENWAY	S070103330	LS	19-06-90	12.88
LEADON	KETFORD	S073003070	LS	19-06-90	12.49
LEADON	LEDBURY NEWTOWN BDGE	S070003730	LS	19-06-90	4.50
LEADON	LEDBURY NEWTOWN BDGE	S070003730	LS	03-08-90	1.37
LEADON	LEDBURY ROSS RD.	S070203680	LS	19-06-90	9.99
LEADON	LEDBURY U/S WRW	S070003730	LS	14-09-90	1.21
LEADON	MURRELLS END	S073802970	LS	15-08-90	7.49
LEADON	UPLEADON BDGE	S077002700	LS	19-06-90	18.79
LEADON	WEDDERBURN BDGE	S077602340	LS	03-08-90	16.30
LEADON	WEDDERBURN BDGE	S077702340	LS	14-09-90	20.59
LEADON	WEDDERBURN BDGE	S077602340	LS	05-10-90	23.41
LEADON (TRIB.LB)	MURRELLS END	S073902980	LS	15-08-90	0.48
LEADON (TRIB.LB)	MURRELLS END	S074202980	LS	15-08-90	0.10
LEADON (TRIB.LB)	MURRELLS END	S074102970	LS	15-08-90	0.03
LEAKAGE AT FISHPOND	OMBERSLEY	S083806270	LS	17-09-90	0.00
LEAM	EATHORPE	SP38896887	LS	28-06-90	27.22
LEAM	EATHORPE	SP38806880	LS	24-07-90	28.60
LEAM	EATHORPE	SP38806880	LS	07-08-90	36.52
LEAM	EATHORPE	SP38806880	LS	17-09-90	26.76
LEAM	EATHORPE	SP38896887	LS	12-10-90	18.94
LEAM	MARTON	SP40606910	LS	24-07-90	5.58
LEAM	MARTON	SP40606910	LS	07-08-90	5.73
LEAM	MARTON	SP40606910	LS	17-09-90	4.98
LEAM	THURLASTON BDGE	SP46806860	LS	24-07-90	2.30
LEAM	THURLASTON BDGE	SP46806860	LS	07-08-90	1.46
LEAM	THURLASTON BDGE	SP46806860	LS	17-09-90	2.14
LEDWYCHE BK.	STOKE ST.MILBOROUGH	S056608220	US	07-08-90	0.50
LEDWYCHE BK.	TENBURY U/S TEME	S057506820	US	26-07-90	8.30
LEDWYCHE BK.	TENBURY U/S TEME	S057506820	US	12-09-90	6.64
LEDWYCHE BK. LUDLOW	DOGDITCH BK. D/S	S054007640	US	26-07-90	7.02
LEDWYCHE BK. LUDLOW	DOGDITCH BK. D/S	S054007640	US	12-09-90	5.34
LEDWYCHE BK. TRIB.LB	STOKE ST.MILBOROUGH	S056608220	US	07-08-90	0.14
LEDWYCHE BK. TRIB.RB	STOKE ST.MILBOROUGH	S056608220	US	07-08-90	0.06
LEEK WOOTON OUTLET	N.WOODLOES LAKES	SP28306810	LS	20-07-90	0.09
LEEN	BESTWOOD	SK54754750	LT	10-05-90	15.22
LEEN	BULWELL MARKET	SK54104500	LT	04-09-90	9.05
LEEN	PAPPLEWICK	SK54805010	LT	04-09-90	7.14
LEEN	SPRINGFIELD U/S ABS	SK54604710	LT	04-09-90	9.54
LEEN	VERNON RD BASFORD	SK54904350	LT	04-09-90	12.04
LEEN (L/C)	TRIUMPH RD.	SK55003935	LT	14-05-90	13.58
LEEN (L/C)	TRIUMPH RD.	SK55003935	LT	13-06-90	10.14

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M ³ /d
LEEN (L/C)	TRIUMPH RD.	SK55003935	LT	18-07-90	5.40
LEEN (L/C)	TRIUMPH RD.	SK55003935	LT	01-08-90	6.04
LEEN (L/C)	TRIUMPH RD.	SK54963928	LT	04-09-90	7.01
LEEN (R/C)	TRIUMPH RD.	SK55003935	LT	14-05-90	8.15
LEEN (R/C)	TRIUMPH RD.	SK55003935	LT	13-06-90	9.72
LEEN (R/C)	TRIUMPH RD.	SK55003935	LT	18-07-90	7.92
LEEN (R/C)	TRIUMPH RD.	SK55003935	LT	01-08-90	7.29
LEEN (R/C)	TRIUMPH RD.	SK54963928	LT	04-09-90	6.60
LEIGH BK.	LEIGH COURT	S078105340	US	26-07-90	3.75
LEIGH BK.	LEIGH COURT	S078205350	US	12-09-90	4.54
LEY BK.	BIRDWOOD	S074302000	LS	15-08-90	0.30
LEY BK.	HUNTLEY	S073701920	LS	15-08-90	0.07
LIN	NEWTOWN LINFORD	SK51501020	LT	13-09-90	0.79
LONCO BK.	FORTON	SJ74772182	US	23-07-90	1.75
LONCO BK.	FORTON	SJ74772182	US	09-08-90	3.70
LONCO BK.	FORTON	SJ74772182	US	24-08-90	4.20
LONCO BK.	FORTON	SJ74772182	US	11-10-90	5.46
LONCO BK.	KNIGHTON	SJ74752647	US	18-06-90	4.93
LONCO BK.	KNIGHTON	SJ74752647	US	23-07-90	3.59
LONCO BK.	KNIGHTON	SJ74752647	US	09-08-90	3.57
LONCO BK.	KNIGHTON	SJ74752647	US	24-08-90	4.26
LONCO BK.	KNIGHTON	SJ74702665	US	14-09-90	4.27
LONCO BK.	KNIGHTON	SJ74752647	US	11-10-90	4.18
LONCO BK.	MEESE U/S CONF	SJ74602190	US	14-09-90	3.95
LONCO BK.	TUNSTALL	SJ76952675	US	18-06-90	2.62
LONCO BK.	TUNSTALL	SJ76952675	US	23-07-90	2.06
LONCO BK.	TUNSTALL	SJ76952675	US	09-08-90	1.70
LONCO BK.	TUNSTALL	SJ76952675	US	24-08-90	1.86
LONCO BK.	TUNSTALL	SJ76902675	US	14-09-90	2.02
LONCO BK.	TUNSTALL	SJ76952675	US	11-10-90	2.32
LONCO BK.	WHITLEYFORD BDGE	SJ74622385	US	18-06-90	5.41
LONCO BK.	WHITLEYFORD BDGE	SJ74622385	US	23-07-90	2.54
LONCO BK.	WHITLEYFORD BDGE	SJ74622385	US	09-08-90	3.34
LONCO BK.	WHITLEYFORD BDGE	SJ74622385	US	24-08-90	4.00
LONCO BK.	WHITLEYFORD BDGE	SJ74702285	US	14-09-90	4.12
LONCO BK.	WHITLEYFORD BDGE	SJ74622385	US	11-10-90	4.37
LONGDON BK.	LONGDON	S083803680	LS	03-08-90	2.83
LONGDON BK.	LONGDON	S083803680	LS	14-09-90	2.76
LONGFORD BK.	LONGFORD	SK21803785	UT	03-08-90	6.93
LONGTON BK.	GOMS MILL RD.	SJ90184252	UT	17-09-90	2.07
LONGTON BK.	TRENTHAM	SJ86904091	UT	17-09-90	19.08
LUDSTOCK BK.	LUDSTOCK A449 BDGE	S068303570	LS	03-08-90	0.00
LYME BK.	A5006	SJ86304275	UT	14-09-90	8.03
LYME BK. (TRIB)	KNUTTON B5386	SJ83654705	UT	14-09-90	0.72
LYNN BK.	MORETON BK. U/S CONF	SJ78801620	US	23-05-90	1.05
LYNN BK.	MORETON BK. U/S CONF	SJ78801620	US	14-06-90	1.12
LYNN BK.	MORETON BK. U/S CONF	SJ78801620	US	04-07-90	1.21
LYNN BK.	MORETON BK. U/S CONF	SJ78801620	US	12-07-90	0.36
LYNN BK.	MORETON BK. U/S CONF	SJ78801620	US	23-07-90	2.71
LYNN BK.	MORETON BK. U/S CONF	SJ78801620	US	08-08-90	1.53
LYNN BK.	MORETON BK. U/S CONF	SJ78801620	US	29-08-90	1.82
LYNN BK.	MORETON BK. U/S CONF	SJ78801620	US	17-09-90	2.02
LYNN BK.	MORETON BK. U/S CONF	SJ78801620	US	12-10-90	1.74
LYNN BK. (TRIB)	LYNN MILL FM.	SJ78801630	US	16-07-90	2.00
LYNN BK. (TRIB)	LYNN MILL FM.	SJ78801630	US	18-07-90	1.69
LYNN BK. (TRIB)	LYNN MILL FM.	SJ78701570	US	25-07-90	2.86
LYNN BK. (TRIB)	LYNN MILL FM.	SJ78701570	US	27-07-90	2.82
LYNN BK. (TRIB)	LYNN MILL FM.	SJ78701570	US	30-07-90	1.34
LYNN BK. (TRIB)	LYNN MILL FM.	SJ78701570	US	01-08-90	3.47
LYNN BK. (TRIB)	LYNN MILL FM.	SJ78801630	US	03-08-90	1.47
LYNN BK. (TRIB)	LYNN MILL FM. D/S ABS	SJ78701570	US	16-07-90	3.72
LYNN BK. (TRIB)	LYNN MILL FM. D/S ABS	SJ78701570	US	18-07-90	1.87
LYNN BK. (TRIB)	LYNN MILL FM. D/S ABS	SJ78701570	US	20-07-90	1.68
LYNN BK. (TRIB)	LYNN MILL FM. D/S ABS	SJ78701580	US	20-07-90	1.84
MACKWORTH BK.	KIRK LANGLEY	SK28953895	LT	27-07-90	0.10
MACKWORTH BK.	KIRK LANGLEY	SK28953895	LT	15-08-90	0.16
MAD BK.	BECKBURY	SJ75810155	US	20-07-90	1.27
MAESBURY FEEDER	MAESBURY MILL	SJ30432510	US	16-08-90	5.25
MAGPIE SOUGH	ASHFORD	SK18006960	LT	25-05-90	28.43
MAGPIE SOUGH	ASHFORD	SK18006960	LT	26-07-90	29.81
MAGPIE SOUGH	ASHFORD	SK18006960	LT	14-08-90	23.12
MAGPIE SOUGH	ASHFORD	SK18006960	LT	07-09-90	22.86
MALTBY DYKE	MALTBY D/S WRW	SK54009020	LT	08-08-90	11.19

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
MANIFOLD	HULME END	SK10625976	UT	24-07-90	12.03
MANIFOLD	HULME END	SK10625958	UT	03-08-90	9.04
MANIFOLD	HULME END	SK10625958	UT	16-08-90	8.29
MANIFOLD	HULME END	SK10655975	UT	18-09-90	7.68
MANMODE BK.	DAW MILL COLLIERY	SP26269010	UT	19-06-90	0.00
MANMODE BK.	DAW MILL COLLIERY	SP26269010	UT	26-06-90	0.00
MANMODE BK.	DAW MILL COLLIERY	SP26269010	UT	03-07-90	0.03
MANMODE BK.	DAW MILL COLLIERY	SP26269010	UT	10-07-90	0.00
MANMODE BK.	DAW MILL COLLIERY	SP26269010	UT	17-07-90	0.00
MANMODE BK.	DAW MILL COLLIERY	SP26269010	UT	24-07-90	0.00
MANMODE BK.	DAW MILL COLLIERY	SP26269010	UT	24-07-90	0.00
MANMODE BK.	DAW MILL COLLIERY	SP26229010	UT	07-08-90	0.00
MANMODE BK.	DAW MILL COLLIERY	SP26269010	UT	14-08-90	0.00
MANMODE BK.	DAW MILL COLLIERY	SP26269010	UT	21-08-90	0.00
MANMODE BK.	DAW MILL COLLIERY	SP26269010	UT	28-08-90	0.00
MANMODE BK.	DAW MILL COLLIERY	SP26269010	UT	01-09-90	0.00
MANMODE BK.	DAW MILL COLLIERY	SP26269010	UT	18-09-90	0.00
MANMODE BK.	DAW MILL COLLIERY	SP26269010	UT	25-09-90	0.00
MANMODE BK.	DAW MILL COLLIERY	SP26269010	UT	02-10-90	0.00
MANMODE BK.	DAW MILL COLLIERY	SP26269010	UT	09-10-90	0.00
MANMODE BK.	DAW MILL COLLIERY	SP26269010	UT	16-10-90	0.00
MANMODE BK.	DAW MILL COLLIERY	SP26269010	UT	30-10-90	0.00
MARCHFONT BK.	WESTON	SP16105160	LS	25-07-90	0.73
MARCHFONT BK.	WESTON	SP16105150	LS	08-08-90	0.31
MARCHFONT BK.	WESTON	SP16105150	LS	18-09-90	0.73
MARCHINGTON BK.	MARCHINGTON	SK13613065	UT	24-07-90	3.16
MARCHINGTON BK.	MARCHINGTON	SK13553070	UT	03-08-90	2.73
MARCHINGTON BK.	MARCHINGTON	SK13613068	UT	16-08-90	3.74
MARCHINGTON BK.	MARCHINGTON	SK13613068	UT	18-09-90	2.74
MARKEATON BK.	MARKEATON	SK33253825	LT	27-07-90	8.34
MARKEATON BK.	MARKEATON	SK33203820	LT	15-08-90	7.57
MAUN	BLACK HILLS FM.	SK63506880	LT	07-08-90	22.67
MAUN	HAUGHTON	SK68007280	LT	08-05-90	38.63
MAUN	HAUGHTON	SK68107280	LT	14-05-90	9.39
MAUN	HAUGHTON	SK68107280	LT	22-05-90	9.20
MAUN	HAUGHTON	SK68107280	LT	05-06-90	10.72
MAUN	HAUGHTON	SK68107280	LT	12-06-90	4.77
MAUN	HAUGHTON	SK68107280	LT	18-06-90	3.41
MAUN	HAUGHTON	SK68107280	LT	26-06-90	3.93
MAUN	HAUGHTON	SK68107280	LT	03-07-90	2.95
MAUN	HAUGHTON	SK68107280	LT	10-07-90	2.51
MAUN	HAUGHTON	SK68107280	LT	17-07-90	2.07
MAUN	HAUGHTON	SK68107280	LT	24-07-90	1.88
MAUN	HAUGHTON	SK68107280	LT	01-08-90	1.67
MAUN	HAUGHTON	SK68307290	LT	07-08-90	5.28
MAUN	HAUGHTON	SK68107280	LT	14-08-90	3.28
MAUN	HAUGHTON	SK68107280	LT	22-08-90	4.12
MAUN	HAUGHTON	SK68107280	LT	29-08-90	11.02
MAUN	HAUGHTON	SK68107280	LT	06-09-90	13.24
MAUN	HAUGHTON	SK68107280	LT	11-09-90	11.17
MAUN	HAUGHTON	SK68107280	LT	18-09-90	12.33
MAUN	HAUGHTON	SK68107280	LT	25-09-90	16.36
MAUN	HAUGHTON	SK68107280	LT	03-10-90	19.58
MAUN	HAUGHTON	SK68107280	LT	09-10-90	18.56
MAUN	HAUGHTON	SK68107280	LT	17-10-90	16.61
MAUN	HAUGHTON	SK68107280	LT	24-10-90	21.68
MAUN	MANSFIELD D/S WRW	SK54706260	LT	07-08-90	39.83
MAUN	MANSFIELD U/S WRW	SK54806170	LT	07-08-90	16.07
MAUN	OLD CLIPSTONE	SK60206500	LT	07-08-90	39.44
MAUN	SUTTON FOREST SIDE	SK51005910	LT	07-08-90	2.52
MAUN	WHITEWATER BDGE	SK66307030	LT	07-08-90	22.21
MEASE	STONES BDGE	SK26241144	UT	04-06-90	21.06
MEASE	STONES BDGE	SK26241144	UT	18-06-90	20.81
MEASE	STONES BDGE	SK26241144	UT	09-07-90	14.64
MEASE	STONES BDGE	SK26241144	UT	17-07-90	20.69
MEASE	STONES BDGE	SK26241144	UT	23-07-90	10.38
MEASE	STONES BDGE	SK26241144	UT	30-07-90	13.48
MEASE	STONES BDGE	SK26241144	UT	06-08-90	8.54
MEASE	STONES BDGE	SK26241144	UT	21-08-90	29.64
MEASE	STONES BDGE	SK26241144	UT	29-08-90	17.60
MEASE	STONES BDGE	SK26241144	UT	10-09-90	13.73
MEASE	STONES BDGE	SK26241144	UT	24-09-90	19.85
MEASE	STONES BDGE	SK26241144	UT	01-10-90	18.43

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
MEDEN	BOTHAMSALL	SK68007320	LT	08-05-90	52.38
MEDEN	BOTHAMSALL	SK68007320	LT	14-05-90	53.02
MEDEN	BOTHAMSALL	SK68007320	LT	22-05-90	56.50
MEDEN	BOTHAMSALL	SK68007320	LT	05-06-90	63.79
MEDEN	BOTHAMSALL	SK68007320	LT	12-06-90	68.31
MEDEN	BOTHAMSALL	SK68007320	LT	18-06-90	70.99
MEDEN	BOTHAMSALL	SK68107330	LT	24-06-90	80.33
MEDEN	BOTHAMSALL	SK68007320	LT	26-06-90	75.32
MEDEN	BOTHAMSALL	SK68007320	LT	03-07-90	73.05
MEDEN	BOTHAMSALL	SK68007320	LT	10-07-90	78.97
MEDEN	BOTHAMSALL	SK68007320	LT	17-07-90	51.03
MEDEN	BOTHAMSALL	SK68007320	LT	24-07-90	46.75
MEDEN	BOTHAMSALL	SK68007320	LT	01-08-90	48.21
MEDEN	BOTHAMSALL	SK68157330	LT	07-08-90	51.13
MEDEN	BOTHAMSALL	SK68007320	LT	14-08-90	38.98
MEDEN	BOTHAMSALL	SK68007320	LT	16-08-90	50.48
MEDEN	BOTHAMSALL	SK68007320	LT	22-08-90	49.88
MEDEN	BOTHAMSALL	SK68007320	LT	29-08-90	57.28
MEDEN	BOTHAMSALL	SK68007320	LT	06-09-90	49.52
MEDEN	BOTHAMSALL	SK68007320	LT	11-09-90	47.24
MEDEN	BOTHAMSALL	SK68007320	LT	18-09-90	45.47
MEDEN	BOTHAMSALL	SK68007320	LT	25-09-90	57.28
MEDEN	BOTHAMSALL	SK68007320	LT	03-10-90	65.57
MEDEN	BOTHAMSALL	SK68007320	LT	09-10-90	55.49
MEDEN	BOTHAMSALL	SK68007320	LT	17-10-90	57.10
MEDEN	BOTHAMSALL	SK68007320	LT	24-10-90	68.58
MEDEN	CHURCH WARSOP	SK55806800	LT	14-05-90	34.14
MEDEN	CHURCH WARSOP	SK55806800	LT	22-05-90	31.85
MEDEN	CHURCH WARSOP	SK55806800	LT	12-06-90	28.81
MEDEN	CHURCH WARSOP	SK55806800	LT	03-07-90	27.53
MEDEN	CHURCH WARSOP	SK55806800	LT	17-07-90	30.59
MEDEN	CHURCH WARSOP	SK55806800	LT	01-08-90	15.04
MEDEN	CHURCH WARSOP	SK55906800	LT	07-08-90	30.87
MEDEN	CHURCH WARSOP	SK55806800	LT	30-08-90	17.26
MEDEN	CHURCH WARSOP	SK55806800	LT	20-09-90	25.89
MEDEN	CHURCH WARSOP	SK55806800	LT	25-09-90	29.22
MEDEN	GLEADTHORPE	SK59607020	LT	07-08-90	34.75
MEDEN	PERLETHORPE	SK64907120	LT	07-08-90	25.47
MEDEN	PLEASLEY VALE	SK50906490	LT	07-08-90	7.66
MEDEN	SKEGBY TEVERSAL	SK49106170	LT	07-08-90	0.20
MEDEN	SOOKHOLME	SK55056635	LT	07-08-90	19.28
MEDEN	WEST DRAYTON	SK70307510	LT	07-08-90	53.38
MEDEN (TRIB)	SOOKHOLME	SK54506690	LT	09-10-90	2.96
MEDEN (TRIB)	SPION KOP	SK55706660	LT	07-08-90	4.45
MEECE BK.	MILL MEECE	SJ83303320	UT	01-08-90	5.83
MEECE BK.	SHALLOWFORD	SJ87452902	UT	23-07-90	8.17
MEECE BK.	SHALLOWFORD	SJ87452902	UT	01-08-90	8.40
MEECE BK.	STANDON	SJ82453499	UT	01-08-90	1.19
MEERBROOK SOUGH	WHATSTANDWELL	SK33105480	LT	27-07-90	14.34
MEERBROOK SOUGH	WHATSTANDWELL	SK33105480	LT	15-08-90	9.57
MEESE	A519 RD. BDGE	SJ75002070	US	24-07-90	11.28
MEESE	FORTON	SJ74882080	US	23-07-90	11.43
MEESE	FORTON D/S RD. BDGE	SJ74882080	US	11-10-90	19.03
MEESE	MERETOWN	SJ75502090	US	14-06-90	19.35
MEESE	MERETOWN	SJ75052090	US	04-07-90	10.70
MEESE	MERETOWN	SJ75502090	US	12-07-90	15.39
MEESE	MERETOWN	SJ75502090	US	23-07-90	11.87
MEESE	MERETOWN	SJ75502090	US	08-08-90	7.91
MEESE	MERETOWN	SJ75502090	US	29-08-90	10.70
MEESE	MERETOWN	SJ75502090	US	14-09-90	10.26
MEESE	MERETOWN	SJ75502090	US	12-10-90	19.73
MEESE	MERETOWN	SJ75502090	US	12-10-90	21.29
MEESE	PULESTON	SJ73402190	US	24-07-90	17.13
MEESE	PULESTON BDGE	SJ73402190	US	24-08-90	18.50
MEESE	STANDFORD BDGE	SJ70302380	US	24-08-90	32.84
MEESE (TRIB)	U/S CONF	SJ74272143	US	18-06-90	0.32
MERRITS BK.	FRANKLEY LODGE RD.	SP02127982	UT	15-08-90	7.63
MILL BK.	EASTINGTON HALL	S083453840	LS	03-05-90	5.62
MILL BK. (TRIB)	HOPTON WAFERS	S063707650	US	12-09-90	0.05
MILLWOOD BK.	SLOSWICKS FM.	SK55807560	LT	06-08-90	7.99
MINOR WATERCOURSE	RAF SHAWBURY	SJ55862241	US	02-10-90	0.21
MIRLEY BK.	NAILSWORTH U/S	ST84709940	LS	11-09-90	1.20
MIRLEY BK.	WALKEY WOOD	ST84709940	LS	06-08-90	1.30

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
MOAT BK.	CODSALL	SJ87600415	UT	02-08-90	2.17
MODDERSHALL BK.	MODDERSHALL	SJ92243665	UT	27-07-90	4.31
MOR BK.	UPPER FORGE FISH FM.	S072508968	US	24-05-90	5.00
MOR BK.	UPPER FORGE FISH FM.	S072578966	US	24-05-90	13.25
MORDA	LLANFORDA U/S WRW	SJ29202810	US	31-07-90	8.48
MORDA	LLANFORDA U/S WRW	SJ29902750	US	23-08-90	8.26
MORDA	MILE OAK U/S	SJ29202810	US	31-07-90	18.60
MORDA	MILE OAK U/S WRW	SJ29902750	US	23-08-90	15.05
MORETON BK.	LYNN BK. D/S	SJ78801630	US	23-05-90	5.33
MORETON BK.	LYNN BK. D/S	SJ78801630	US	14-06-90	4.44
MORETON BK.	LYNN BK. D/S	SJ78901615	US	04-07-90	4.77
MORETON BK.	LYNN BK. D/S	SJ78801630	US	12-07-90	2.61
MORETON BK.	LYNN BK. D/S	SJ78801630	US	16-07-90	5.15
MORETON BK.	LYNN BK. D/S	SJ78801630	US	18-07-90	3.32
MORETON BK.	LYNN BK. D/S	SJ78801630	US	20-07-90	4.18
MORETON BK.	LYNN BK. D/S	SJ78801630	US	23-07-90	6.31
MORETON BK.	LYNN BK. D/S	SJ78801630	US	25-07-90	4.96
MORETON BK.	LYNN BK. D/S	SJ78801630	US	27-07-90	5.46
MORETON BK.	LYNN BK. D/S	SJ78801630	US	30-07-90	5.31
MORETON BK.	LYNN BK. D/S	SJ78801630	US	01-08-90	5.13
MORETON BK.	LYNN BK. D/S	SJ78801630	US	03-08-90	3.72
MORETON BK.	LYNN BK. D/S	SJ78801630	US	08-08-90	3.61
MORETON BK.	LYNN BK. D/S	SJ78801630	US	29-08-90	3.27
MORETON BK.	LYNN BK. D/S	SJ78801630	US	17-09-90	4.66
MORETON BK.	LYNN BK. D/S	SJ78801630	US	12-10-90	4.83
MORETON BK.	LYNN BK. U/S	SJ78901615	US	14-06-90	3.83
MORETON BK.	LYNN BK. U/S	SJ78801630	US	04-07-90	5.65
MORETON BK.	LYNN BK. U/S	SJ78901615	US	12-07-90	3.21
MORETON BK.	LYNN BK. U/S	SJ89016150	US	23-07-90	1.45
MORETON BK.	LYNN BK. U/S	SJ89016150	US	08-08-90	2.24
MORETON BK.	LYNN BK. U/S	SJ78901615	US	29-08-90	2.83
MORETON BK.	LYNN BK. U/S	SJ78901615	US	17-09-90	3.25
MORETON BK.	LYNN BK. U/S	SJ78901615	US	12-10-90	3.27
MORETON BK.	STOCKTON BDGE D/S	SJ78501680	US	02-05-90	15.09
MORETON BK.	STOCKTON BDGE D/S	SJ78501680	US	23-05-90	9.90
MORETON BK.	STOCKTON BDGE D/S	SJ78501680	US	14-06-90	9.02
MORETON BK.	STOCKTON BDGE D/S	SJ78501680	US	04-07-90	10.36
MORETON BK.	STOCKTON BDGE D/S	SJ78501680	US	12-07-90	6.55
MORETON BK.	STOCKTON BDGE D/S	SJ78501680	US	16-07-90	7.42
MORETON BK.	STOCKTON BDGE D/S	SJ78501680	US	18-07-90	9.99
MORETON BK.	STOCKTON BDGE D/S	SJ78501680	US	20-07-90	8.67
MORETON BK.	STOCKTON BDGE D/S	SJ78501680	US	23-07-90	8.59
MORETON BK.	STOCKTON BDGE D/S	SJ78501680	US	25-07-90	9.03
MORETON BK.	STOCKTON BDGE D/S	SJ78501680	US	27-07-90	9.18
MORETON BK.	STOCKTON BDGE D/S	SJ78501680	US	30-07-90	7.48
MORETON BK.	STOCKTON BDGE D/S	SJ78501680	US	01-08-90	7.84
MORETON BK.	STOCKTON BDGE D/S	SJ78501680	US	03-08-90	6.64
MORETON BK.	STOCKTON BDGE D/S	SJ78501680	US	08-08-90	6.95
MORETON BK.	STOCKTON BDGE D/S	SJ78501680	US	29-08-90	8.81
MORETON BK.	STOCKTON BDGE D/S	SJ78501680	US	14-09-90	9.82
MORETON BK.	STOCKTON BDGE D/S	SJ78501680	US	12-10-90	9.94
MORETON BK.	STOCKTON BDGE U/S	SJ78651655	US	23-05-90	4.14
MORETON BK.	STOCKTON GRANGE FM.	SJ78501680	US	12-07-90	13.61
MORETON BK.	STOCKTON GRANGE FM.	SJ77851732	US	08-08-90	10.45
MORETON BK.	STOCKTON GRANGE FM.	SJ78501680	US	29-08-90	15.14
MORETON BK.	STOCKTON GRANGE FM.	SJ78501680	US	17-09-90	14.90
MORETON BK.	STOCKTON MOORS	SJ78601665	US	02-05-90	8.07
MORETON BK.	STOCKTON MOORS	SJ78551675	US	02-05-90	11.98
MORETON BK.	STOCKTON MOORS	SJ78551670	US	02-05-90	13.25
MORETON BK.	STOCKTON MOORS	SJ78601665	US	02-05-90	8.29
MORETON BK.	STOCKTON MOORS	SJ78601665	US	02-05-90	7.77
MORETON BK.	U/S CATTLE DRINK	SJ78651655	US	14-06-90	3.13
MORETON BK.	U/S CATTLE DRINK	SJ78651655	US	04-07-90	4.89
MORETON BK.	U/S CATTLE DRINK	SJ78651655	US	12-07-90	2.43
MORETON BK.	U/S CATTLE DRINK	SJ78651655	US	16-07-90	2.65
MORETON BK.	U/S CATTLE DRINK	SJ78651655	US	18-07-90	3.82
MORETON BK.	U/S CATTLE DRINK	SJ78651655	US	20-07-90	3.18
MORETON BK.	U/S CATTLE DRINK	SJ78651655	US	23-07-90	3.79
MORETON BK.	U/S CATTLE DRINK	SJ78651655	US	25-07-90	4.53
MORETON BK.	U/S CATTLE DRINK	SJ78651655	US	27-07-90	4.25
MORETON BK.	U/S CATTLE DRINK	SJ78651655	US	30-07-90	3.37
MORETON BK.	U/S CATTLE DRINK	SJ78651655	US	01-08-90	3.34
MORETON BK.	U/S CATTLE DRINK	SJ78651655	US	03-08-90	2.37

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
MORETON BK.	U/S CATTLE DRINK	SJ78651655	US	08-08-90	2.01
MORETON BK.	U/S CATTLE DRINK	SJ78651655	US	29-08-90	2.89
MORETON BK.	U/S CATTLE DRINK	SJ78651655	US	17-09-90	4.33
MORETON BK.	U/S CATTLE DRINK	SJ78651655	US	12-10-90	4.12
MOTHER DRAIN	ROSSINGTON BDGE	SK62809970	LT	09-08-90	0.00
MULE	ABERMULE	S016409460	US	07-08-90	4.01
NAILSWORTH STREAM	AVENING U/S WRW	ST87809840	LS	06-08-90	0.90
NAILSWORTH STREAM	AVENING U/S WRW	ST87809840	LS	11-09-90	0.21
NAILSWORTH STREAM	DUDBRIDGE	S083500450	LS	14-06-90	23.10
NAILSWORTH STREAM	DUDBRIDGE	S084300450	LS	06-08-90	13.42
NAILSWORTH STREAM	DUDBRIDGE	S084300450	LS	11-09-90	12.77
NAILSWORTH STREAM	HATTERSLEY(MCEVOY)	S084400100	LS	06-08-90	20.82
NAILSWORTH STREAM	HATTERSLEY(MCEVOY)	S084400010	LS	11-09-90	15.39
NAILSWORTH STREAM	HORSLEY BK. U/S CONF	ST85409950	LS	11-09-90	4.49
NAILSWORTH STREAM	LONGFORD MILL D/S	ST86509930	LS	06-08-90	3.69
NAILSWORTH STREAM	NAILSWORTH	ST85009980	LS	06-08-90	15.76
NAILSWORTH STREAM	NAILSWORTH	S084800000	LS	11-09-90	13.33
NAILSWORTH STREAM	NAILSWORTH US HORSLEY	ST85409950	LS	06-08-90	6.72
NEACH LEY BK.	HOLE FM.	SJ78300670	US	20-07-90	7.27
NEW ARLEY BK.	COWFIELD ARLEY	SP27788918	UT	26-06-90	0.40
NEW ARLEY BK.	COWFIELD ARLEY	SP27788918	UT	03-07-90	0.17
NEW ARLEY BK.	COWFIELD ARLEY	SP27788918	UT	10-07-90	0.29
NEW ARLEY BK.	COWFIELD ARLEY	SP27788918	UT	17-07-90	0.28
NEW ARLEY BK.	COWFIELD ARLEY	SP27788918	UT	24-07-90	0.23
NEW ARLEY BK.	COWFIELD ARLEY	SP27788918	UT	31-07-90	0.38
NEW ARLEY BK.	COWFIELD ARLEY	SP27788918	UT	07-08-90	0.25
NEW ARLEY BK.	COWFIELD ARLEY	SP27788918	UT	14-08-90	0.28
NEW ARLEY BK.	COWFIELD ARLEY	SP27788918	UT	21-08-90	0.33
NEW ARLEY BK.	COWFIELD ARLEY	SP27788918	UT	28-08-90	0.32
NEW ARLEY BK.	COWFIELD ARLEY	SP27788918	UT	04-09-90	0.35
NEW ARLEY BK.	COWFIELD ARLEY	SP27788918	UT	11-09-90	0.34
NEW ARLEY BK.	COWFIELD ARLEY	SP27788918	UT	18-09-90	0.24
NEW ARLEY BK.	COWFIELD ARLEY	SP27788918	UT	25-09-90	0.35
NEW ARLEY BK.	COWFIELD ARLEY	SP27788918	UT	02-10-90	0.20
NEW ARLEY BK.	COWFIELD ARLEY	SP27788918	UT	09-10-90	0.25
NEW ARLEY BK.	COWFIELD ARLEY	SP27788918	UT	16-10-90	0.21
NEW ARLEY BK.	COWFIELD ARLEY	SP27788918	UT	23-10-90	0.29
NEW ARLEY BK.	COWFIELD ARLEY	SP27788918	UT	30-10-90	0.26
NEW CUT	U/S OF OVERFLOW	SJ25301360	US	16-08-90	2.54
NEW CUT	U/S SEVERN CONF	SJ27801570	US	16-08-90	4.66
NEW CUT	WERN D/S OVERFLOW	SJ25301500	US	16-08-90	1.54
NEWTON BK.	BROMSGROVE	S097306880	US	17-08-90	0.02
NEWTON BK.	BROMSGROVE U/S WRW	S096506880	US	26-09-90	0.00
NOE	EDALE U/S DIVERSION	SK14308570	LT	26-07-90	15.60
NOE	EDALE U/S DIVERSION	SK14308570	LT	14-08-90	11.96
NOE	HOPE D/S DIVERSION	SK16708470	LT	26-07-90	21.09
NOE	HOPE D/S DIVERSION	SK16708470	LT	14-08-90	23.54
NOE	SHATTON CONF	SK20308260	LT	14-08-90	34.25
NOE	SHATTON U/S CONF	SK20308260	LT	26-07-90	34.08
OLDCOATES DYKE	BLYTH	SK61508760	LT	24-07-90	18.18
OLDCOATES DYKE	BLYTH	SK61408750	LT	08-08-90	15.67
OLDCOATES DYKE	BLYTH	SK61508755	LT	30-08-90	17.88
OLDCOATES DYKE	FIRBECK	SK56408930	LT	08-08-90	8.67
OLDCOATES DYKE	OLDCOATES	SK59408840	LT	08-08-90	8.54
OMBERSLEY WRW O/F	YARDINGS FM.	S085406510	US	12-06-90	0.00
OMBERSLEY WRW O/F	YARDINGS FM.	S085406510	US	19-07-90	0.00
OMBERSLEY WRW O/F	YARDINGS FM.	S085406510	US	01-08-90	0.00
OMBERSLEY WRW O/F	YARDINGS FM.	S085406510	US	14-08-90	0.00
OMBERSLEY WRW O/F	YARDINGS FM.	S085406510	US	04-09-90	0.00
OMBERSLEY WRW O/F	YARDINGS FM.	S085456510	US	18-09-90	0.00
OMBERSLEY WRW O/F	YARDINGS FM.	S085406510	US	12-10-90	0.00
ONNY	CHEYNEY LONGVILLE	S043207210	US	26-07-90	4.66
ONNY	CHEYNEY LONGVILLE	S043208480	US	12-09-90	5.52
ONNY	NEWTON	S034809090	US	21-06-90	4.61
ONNY	NEWTON	S034809090	US	17-07-90	1.15
ONNY	ONIBURY	S045507890	US	30-05-90	43.55
ONNY	ONIBURY	S045507890	US	13-06-90	31.31
ONNY	ONIBURY	S045507890	US	21-06-90	53.90
ONNY	ONIBURY	S045507890	US	17-07-90	20.99
ONNY	ONIBURY	S045507890	US	26-07-90	14.78
ONNY	ONIBURY	S045507890	US	07-08-90	12.32
ONNY	ONIBURY	S045507890	US	13-08-90	15.80
ONNY	ONIBURY	S045507890	US	21-08-90	23.74

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
ONNY	ONIBURY	S045507890	US	05-09-90	15.34
ONNY	ONIBURY	S045507890	US	12-09-90	13.99
ORSLOW BK.	DAWFORD BK. U/S CONF	SJ79101590	US	14-06-90	0.45
ORSLOW BK.	DAWFORD BK. U/S CONF	SJ79101590	US	04-07-90	0.75
ORSLOW BK.	DAWFORD BK. U/S CONF	SJ79101590	US	12-07-90	0.77
ORSLOW BK.	DAWFORD BK. U/S CONF	SJ79101590	US	23-07-90	0.38
ORSLOW BK.	DAWFORD BK. U/S CONF	SJ79101590	US	08-08-90	1.49
ORSLOW BK.	DAWFORD BK. U/S CONF	SJ79101590	US	29-08-90	0.49
ORSLOW BK.	DAWFORD BK. U/S CONF	SJ79101590	US	17-09-90	0.64
ORSLOW BK.	DAWFORD BK. U/S CONF	SJ79101590	US	12-10-90	0.67
OUTFALL FISH POND	OMBERSLEY PARK	S083806270	LS	30-07-90	0.31
OUTFALL FISH POND	OMBERSLEY PARK	S083806270	LS	24-08-90	0.18
OUTFALL FISH POND	OMBERSLEY PARK	S083806270	LS	24-08-90	0.34
OUTFALL FISHPOND	OMBERSLEY PARK	S083806270	LS	17-09-90	0.20
PAINSWICK STM/CANAL	EBLEY FROME GARDENS	S083400470	LS	14-06-90	16.57
PAINSWICK STM/CANAL	EBLEY FROME GARDENS	S083300470	LS	06-08-90	12.10
PAINSWICK STM/CANAL	EBLEY FROME GARDENS	S083300470	LS	11-09-90	11.68
PAINSWICK STREAM	A419 U/S	S084600520	LS	11-09-90	5.17
PAINSWICK STREAM	STROUD U/S A419	S084600520	LS	06-08-90	4.85
PAPER MILL DYKE	CLAY CROFT BDGE	SK57009250	LT	09-08-90	0.90
PAPER MILL DYKE	TICKHILL	SK58809280	LT	09-08-90	5.43
PARKEND LEVEL	BROCKHOLLANDS	S061700580	LS	03-10-90	1.81
PARKEND LEVEL	BROCKHOLLANDS	S061700580	LS	03-10-90	1.66
PARKHILL LEVEL	BROCKHOLLANDS	S061700580	LS	23-05-90	1.15
PARKHILL LEVEL	BROCKHOLLANDS	S061700580	LS	13-06-90	1.43
PARKHILL LEVEL	BROCKHOLLANDS	S061700580	LS	05-09-90	0.41
PENARTH FEEDER	PENARTH WEIR	S013959256	US	16-08-90	16.98
PENK	ACTON TRUSSELL	SJ93351761	UT	02-08-90	48.87
PENK	PENKRIDGE	SJ92061442	UT	15-05-90	67.82
PENK	PENKRIDGE	SJ92201445	UT	21-05-90	62.17
PENK	PENKRIDGE	SJ92061442	UT	07-06-90	60.84
PENK	PENKRIDGE	SJ92201445	UT	11-06-90	62.18
PENK	PENKRIDGE	SJ92201445	UT	19-06-90	64.16
PENK	PENKRIDGE	SJ92201445	UT	04-07-90	72.05
PENK	PENKRIDGE	SJ92201445	UT	10-07-90	55.91
PENK	PENKRIDGE	SJ92201445	UT	30-07-90	56.53
PENK	PENKRIDGE	SJ92201445	UT	02-08-90	39.18
PENK	PENKRIDGE	SJ92201445	UT	24-08-90	47.29
PENK	PENKRIDGE	SJ92201445	UT	31-08-90	39.72
PENK	PENKRIDGE	SJ92201445	UT	14-09-90	38.55
PENK	PENKRIDGE	SJ92201445	UT	27-09-90	62.29
PENK	PENKRIDGE	SJ92201445	UT	18-10-90	53.97
PENK	PENKRIDGE	SJ92201445	UT	26-10-90	406.14
PENK	SOMERFORD BDGE	SJ89500940	UT	02-08-90	27.35
PENMIRE BK.	GRENDON	SP27509968	UT	15-08-90	1.05
PENN BK.	WOMBOURNE	S085809230	US	08-08-90	3.08
PIDDLE BK.	WYRE PIDDLE	S096204750	LS	26-07-90	4.66
PIDDLE BK.	WYRE PIDDLE	S096204750	LS	09-08-90	3.08
PIDDLE BK.	WYRE PIDDLE	S096204750	LS	18-09-90	4.75
PIDED (TRIB)	YARDINGS FM. A449	S085456510	LS	12-10-90	0.00
PLANTS BK.	PENNS LANE WALMLEY	SP12979304	UT	15-08-90	5.18
POULTER	B6005 BDGE	SK60707280	LT	06-08-90	16.38
POULTER	CUCKNEY	SK57157135	LT	08-05-90	24.09
POULTER	CUCKNEY	SK57107130	LT	14-05-90	21.83
POULTER	CUCKNEY	SK57107130	LT	22-05-90	20.11
POULTER	CUCKNEY	SK57107130	LT	05-06-90	46.55
POULTER	CUCKNEY	SK57107130	LT	12-06-90	20.35
POULTER	CUCKNEY	SK57107130	LT	18-06-90	19.86
POULTER	CUCKNEY	SK57107130	LT	26-06-90	20.75
POULTER	CUCKNEY	SK57107130	LT	03-07-90	18.73
POULTER	CUCKNEY	SK57107130	LT	10-07-90	20.24
POULTER	CUCKNEY	SK57107130	LT	17-07-90	21.10
POULTER	CUCKNEY	SK57107130	LT	24-07-90	16.45
POULTER	CUCKNEY	SK57107130	LT	31-07-90	15.83
POULTER	CUCKNEY	SK56207120	LT	07-08-90	14.02
POULTER	CUCKNEY	SK57107130	LT	29-08-90	12.68
POULTER	CUCKNEY	SK57107130	LT	18-09-90	16.61
POULTER	ELKESLEY	SK68507490	LT	07-08-90	10.13
POULTER	GREAT LAKE D/S O/F	SK60707290	LT	07-08-90	10.58
POULTER	GREAT LAKE U/S	SK58007240	LT	06-08-90	14.34
POULTER	LANGWITH MILL	SK54807040	LT	07-08-90	11.67
POULTER	TWYFORD BDGE	SK69707510	LT	07-08-90	13.56
POULTER	UPPER LANGWITH	SK52006960	LT	07-08-90	1.55

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M ³ /d
PRESTON BK.	PRESTON B4215 BDGE	S067703450	LS	03-08-90	0.00
PRESTON BK.	WINDCROSS	S069203250	LS	19-06-90	0.75
PRESTON BK. (TRIB. LB)	LITTLE MARCLE	S066803680	LS	25-07-90	0.00
PRESTON BK. (TRIB. LB)	PIXLEY	S066303840	LS	25-07-90	0.00
PRESTON BK. (TRIB. LB)	PRIORS COURT	S066403810	LS	25-07-90	0.00
QUENIBOROUGH BK.	EAST GOSCOTE WRW	SK63301310	LT	02-08-90	7.14
QUENIBOROUGH BK.	QUENIBOROUGH	SK64301310	LT	02-08-90	0.11
QUENIBOROUGH BK.	WREAKE U/S CONF	SK63201310	LT	31-07-90	10.58
QUENIBOROUGH BK.	WREAKE U/S CONF	SK63201310	LT	03-08-90	10.71
QUENIBOROUGH BK.	WREAKE U/S CONF	SK63201310	LT	10-08-90	14.89
QUENIBOROUGH BK.	WREAKE U/S CONF	SK63201310	LT	17-08-90	10.39
QUENIBOROUGH BK.	WREAKE U/S CONF	SK63201310	LT	30-08-90	5.27
QUENIBOROUGH BK.	WREAKE U/S CONF	SK63201310	LT	13-09-90	8.97
QUENIBOROUGH BK.	WREAKE U/S CONF	SK63201310	LT	14-09-90	6.26
QUORN BK.	QUORN	SK55401680	LT	03-08-90	0.42
QUORN BK.	QUORN	SK56401640	LT	13-09-90	1.53
RAINWORTHWATER	OLLERTON	SK64906690	LT	07-08-90	0.75
REA	CALTHORPE PARK	SP07088469	UT	11-07-90	30.74
REA	CALTHORPE PARK	SP07088469	UT	15-08-90	36.28
REA	CALTHORPE PARK	SP07088469	UT	15-10-90	34.26
REA	WYCHALL RD.	SP03397906	UT	15-08-90	2.86
REA BK.	HARDWICKE FORGE	S066208210	US	26-07-90	8.66
REA BK.	HARDWICKE FORGE	S066208210	US	12-09-90	6.94
REA BK.	NEEN SOLLARS	S066407240	US	26-07-90	15.63
REA BK.	NEEN SOLLARS	S066407240	US	12-09-90	12.08
RED BK.	BARBERS BDGE B4215	S077302230	LS	19-06-90	3.08
REPTON BK.	REPTON	SK30302730	LT	06-09-90	5.46
RHIW	BERRIEW	SJ18800070	US	07-08-90	2.69
RISING BK.	FURNACE COPPICE U/S	SK01401420	UT	09-10-90	0.56
RISING BK.	HAGLEY HALL U/S	SK03701770	UT	09-10-90	2.53
RISING BK.	HEDNESFORD	SK00551335	UT	09-10-90	0.00
RISING BK.	HEDNESFORD-DOWTY	SK00801372	UT	09-10-90	0.04
RISING BK.	HEDNESFORD-DOWTY D/S	SK00881380	UT	09-10-90	0.72
RISING BK.	MOOR'S GORSE	SK02381508	UT	09-10-90	0.00
RISING BK.	MOOR'S GORSE D/S	SK02451535	UT	09-10-90	0.22
RISING BK.	SLITTING MILL	SK03051708	UT	09-10-90	2.55
RISING BK.	SLITTING MILL D/S PS	SK03451740	UT	09-10-90	2.11
RODEN	ASTON HALL	SJ53002856	US	24-07-90	6.21
RODEN	SHAWBURY	SJ56142127	US	24-07-90	19.70
RODEN	SPENFORD BDGE	SJ47712969	US	24-07-90	1.41
RODEN (TRIB)	WEM MOSS	SJ46953415	US	25-05-90	0.35
ROLLESTON BK.	ROLLESTON	SK24342823	UT	09-07-90	18.89
ROLLESTON BK.	ROLLESTON	SK24342823	UT	30-08-90	9.78
ROLLESTON BK.	ROLLESTON	SK24342823	UT	17-09-90	11.03
ROTHLEY BK.	A6 RD. BDGE	SK59101340	LT	03-08-90	10.46
ROTHLEY BK.	A6 RD. BDGE	SK59101340	LT	12-09-90	10.70
ROTHLEY BK.	ANSTEY	SK56200990	LT	02-08-90	8.50
ROTHLEY BK.	ANSTEY	SK56200990	LT	12-09-90	9.81
ROTHLEY BK.	DESFORD	SK47800420	LT	02-08-90	0.33
ROTHLEY BK.	KIRBY MUXLOE	SK52000510	LT	12-09-90	5.48
ROTHLEY BK.	MERRY LEES	SK47200560	LT	02-08-90	2.83
ROTHLEY BK.	MERRY LEES D/S CONF	SK47200560	LT	12-09-90	2.44
ROTHLEY BK.	ROTHLEY	SK58101220	LT	11-06-90	15.51
ROTHLEY BK.	ROTHLEY	SK58101220	LT	02-08-90	9.14
ROTHLEY BK.	ROTHLEY	SK58101220	LT	02-08-90	10.45
ROTHLEY BK.	ROTHLEY	SK58101220	LT	12-09-90	9.58
ROTHLEY BK.	ROTHLEY	SK58101220	LT	13-09-90	9.08
ROTHLEY BK.	ROTHLEY	SK58101220	LT	17-10-90	8.61
ROTHLEY BK. (TRIB)	DESFORD	SK47800420	LT	12-09-90	0.66
ROTHLEY BK. (TRIB)	KIRBY MUXLOE	SK52000510	LT	02-08-90	3.74
RYTON	BLYTH	SK63108720	LT	02-05-90	59.89
RYTON	BLYTH	SK63108720	LT	14-05-90	54.66
RYTON	BLYTH	SK63108720	LT	22-05-90	59.66
RYTON	BLYTH	SK63108720	LT	06-06-90	66.88
RYTON	BLYTH	SK63108720	LT	12-06-90	47.56
RYTON	BLYTH	SK63108720	LT	19-06-90	45.84
RYTON	BLYTH	SK63108720	LT	03-07-90	54.58
RYTON	BLYTH	SK63108720	LT	13-07-90	30.98
RYTON	BLYTH	SK63108720	LT	17-07-90	42.15
RYTON	BLYTH	SK63108720	LT	24-07-90	39.85
RYTON	BLYTH	SK63108720	LT	31-07-90	35.42
RYTON	BLYTH	SK61608720	LT	08-08-90	37.33
RYTON	BLYTH	SK63108720	LT	30-08-90	36.03

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
RYTON	BLYTH	SK63108720	LT	06-09-90	34.95
RYTON	BLYTH	SK63108720	LT	14-09-90	36.85
RYTON	BLYTH	SK63108720	LT	20-09-90	42.60
RYTON	BLYTH	SK63108720	LT	25-09-90	55.92
RYTON	BLYTH	SK63108720	LT	03-10-90	46.09
RYTON	BLYTH	SK63108720	LT	09-10-90	41.66
RYTON	BLYTH	SK63108720	LT	24-10-90	55.39
RYTON	HARD BDGE	SK49508260	LT	09-08-90	1.51
RYTON	LADY LEES	SK56357935	LT	08-08-90	6.58
RYTON	LINDRICK DALE	SK53608220	LT	09-08-90	1.50
RYTON	MONKS BDGE	SK54608220	LT	08-08-90	1.67
RYTON	SCOFTON D/S MNTN WRW	SK63108030	LT	08-08-90	17.05
RYTON	SCROOBY	SK64809155	LT	08-08-90	35.31
RYTON	SERLBY PARK	SK63908970	LT	08-08-90	29.45
RYTON	SHIREOAKS	SK55308080	LT	08-08-90	3.92
RYTON	THORPE BDGE	SK51808230	LT	09-08-90	1.00
RYTON	WORKSOP	SK57507960	LT	01-08-90	8.54
RYTON	WORKSOP	SK57507945	LT	30-08-90	7.19
RYTON	WORKSOP U/S WRW	SK60207890	LT	08-08-90	4.15
RYTON CANAL FEEDER	MONKS BDGE	SK54608220	LT	08-08-90	6.51
SALWARPE	HARFORD HILL	S086806190	US	09-05-90	53.72
SALWARPE	HARFORD HILL	S086806180	US	26-05-90	40.69
SALWARPE	HARFORD HILL	S086806190	US	04-06-90	38.63
SALWARPE	HARFORD HILL	S086806180	US	12-06-90	37.73
SALWARPE	HARFORD HILL	S086806180	US	26-06-90	41.83
SALWARPE	HARFORD HILL	S086806180	US	19-07-90	33.35
SALWARPE	HARFORD HILL	S086806180	US	01-08-90	21.63
SALWARPE	HARFORD HILL	S086806180	US	08-08-90	17.82
SALWARPE	HARFORD HILL	S086806180	US	14-08-90	26.91
SALWARPE	HARFORD HILL	S086806180	US	17-08-90	24.27
SALWARPE	HARFORD HILL	S086806180	US	04-09-90	38.90
SALWARPE	HARFORD HILL	S086806180	US	18-09-90	26.52
SALWARPE	HARFORD HILL	S086806190	US	12-10-90	29.84
SALWARPE	HENBROOK U/S	S092786685	US	08-08-90	12.36
SAM BK.	MEESE U/S CONF	SJ71802400	US	24-08-90	17.72
SAM BK.	SAMBROOK	SJ71652455	US	24-07-90	17.61
SAPEY BK.	1 KM S.E. UPPER SAPEY	S068906230	US	23-05-90	1.13
SAPEY BK.	LOWER SAPEY HOPE MILL	S069706120	US	23-05-90	1.98
SAPEY BK.	SAPEY BDGE	S072505600	US	23-05-90	8.70
SAPEY BK.	UPPER SAPEY	S068506320	US	23-05-90	0.68
SAPEY BK. (TRIB. RB)	SAPEY BDGE	S072205590	US	23-05-90	0.41
SAPEY BK. (TRIB. RB)	UPPER SAPEY	S068406320	US	23-05-90	0.00
SARENDON BK.	DEEPMORE FM.	SJ92850820	UT	02-08-90	6.08
SARENDON BK.	GREAT WYRELY A5 BDGE	SJ99970779	UT	17-09-90	2.88
SARENDON BK.	STANDEFORD	SJ91210780	UT	17-09-90	18.70
SCALFORD BK.	SPINNEY FM.	SK76102170	LT	02-08-90	1.50
SCALFORD BK.	SPINNEY FM.	SK76102170	LT	12-09-90	1.05
SEIFTON BK.	SEIFTON	S048308320	US	07-08-90	0.18
SENCE	FLECKNEY BK. U/S CONF	SP65309570	LT	31-05-90	2.89
SENCE	FLECKNEY BK. U/S CONF	SP65309570	LT	26-06-90	3.09
SENCE	FLECKNEY BK. U/S CONF	SP65309570	LT	25-07-90	1.13
SENCE	GREAT GLEN	SP65409780	LT	31-05-90	8.16
SENCE	GREAT GLEN	SP65409780	LT	31-05-90	0.81
SENCE	GREAT GLEN	SP65409780	LT	26-06-90	0.80
SENCE	GREAT GLEN	SP65409780	LT	25-07-90	0.43
SENCE	LITTLE STRETTON	SK66300020	LT	02-08-90	0.35
SENCE	LITTLE STRETTON	SK66900070	LT	12-09-90	0.58
SENCE	SOUTH WIGSTON	SP58909770	LT	29-06-90	18.07
SENCE	SOUTH WIGSTON	SP58909770	LT	25-07-90	13.75
SENCE	SOUTH WIGSTON	SP58909770	LT	02-08-90	13.51
SENCE	SOUTH WIGSTON	SP58859770	LT	03-08-90	13.75
SENCE	SOUTH WIGSTON	SP58909770	LT	09-08-90	13.13
SENCE	SOUTH WIGSTON	SP58859770	LT	31-08-90	13.23
SENCE	SOUTH WIGSTON	SP58859770	LT	12-09-90	14.46
SENCE	SOUTH WIGSTON	SP58859770	LT	13-09-90	6.51
SENCE	SOUTH WIGSTON	SP58909770	LT	18-10-90	40.01
SENCE	WISTON	SP62809560	LT	02-08-90	1.87
SENCE	WISTON	SP62809560	LT	12-09-90	1.79
SENCE (ANKER)	BILSTON	SK36530517	UT	15-08-90	5.60
SENCE (ANKER)	KELHAM BDGE	SK40551201	UT	15-08-90	5.20
SENCE (ANKER)	RATCLIFFE CULEY	SP32169965	UT	15-08-90	9.23
SEVERN	ABERMULE	S095951650	US	12-06-90	99.97
SEVERN	ABERMULE	S016459570	US	25-06-90	155.36

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
SEVERN	ABERMULE	S016869612	US	29-06-90	159.78
SEVERN	ABERMULE	S016459570	US	22-07-90	447.17
SEVERN	ABERMULE	S016459570	US	03-08-90	413.30
SEVERN	ABERMULE	S016459570	US	07-08-90	488.88
SEVERN	ABERMULE	S016459570	US	14-08-90	534.01
SEVERN	ABERMULE	S016459570	US	12-09-90	395.11
SEVERN	ABERMULE	S016459570	US	26-09-90	190.94
SEVERN	BEWDLEY	S078207620	US	09-05-90	1044.74
SEVERN	BEWDLEY	S078207620	US	24-05-90	705.59
SEVERN	BEWDLEY	S078207620	US	06-06-90	776.12
SEVERN	BEWDLEY	S078207620	US	13-06-90	752.01
SEVERN	BEWDLEY	S078207620	US	19-06-90	784.54
SEVERN	BEWDLEY	S078207620	US	03-07-90	1958.12
SEVERN	BEWDLEY	S078207620	US	20-07-90	822.67
SEVERN	BEWDLEY	S078207620	US	27-07-90	916.20
SEVERN	BEWDLEY	S078207620	US	03-08-90	878.99
SEVERN	BEWDLEY	S078207620	US	09-08-90	879.94
SEVERN	BEWDLEY	S078207620	US	15-08-90	879.40
SEVERN	BUILDWAS	SJ64560443	US	19-06-90	887.24
SEVERN	BUILDWAS	SJ64560443	US	09-08-90	969.13
SEVERN	BUTTINGTON	SJ23740697	US	11-09-90	352.59
SEVERN	GLOUCESTER OVER BDGE	S081601960	LS	03-08-90	573.74
SEVERN	GLOUCESTER OVER BDGE	S081601960	LS	17-08-90	382.86
SEVERN	GLOUCESTER OVER BDGE	S081601960	LS	14-09-90	333.77
SEVERN	GLOUCESTER WESTGATE	S082501910	LS	03-08-90	1178.82
SEVERN	GLOUCESTER WESTGATE	S082501910	LS	17-08-90	984.42
SEVERN	GLOUCESTER WESTGATE	S082501910	LS	14-09-90	953.59
SEVERN	HAW BDGE	S084402790	LS	05-07-90	2153.91
SEVERN	HAW BDGE	S084402790	LS	03-08-90	1297.24
SEVERN	HAW BDGE	S084402790	LS	17-08-90	1035.40
SEVERN	HAW BDGE	S084402790	LS	14-09-90	1420.03
SEVERN	MINSTERWORTH SLIP	S075501550	LS	07-09-90	5016.81
SEVERN	MINSTERWORTH SLIP	S075501550	LS	07-09-90	2660.96
SEVERN	MINSTERWORTH SLIP	S075501550	LS	08-09-90	3844.51
SEVERN	MINSTERWORTH SLIP	S075501550	LS	08-09-90	3654.90
SEVERN	MINSTERWORTH SLIP	S075501550	LS	08-09-90	4284.87
SEVERN	MINSTERWORTH SLIP	S075501550	LS	08-09-90	4737.54
SEVERN	MINSTERWORTH SLIP	S075501550	LS	08-09-90	3669.05
SEVERN	MINSTERWORTH SLIP	S075501550	LS	21-09-90	4711.60
SEVERN	MINSTERWORTH SLIP	S075501550	LS	21-09-90	4680.81
SEVERN	MINSTERWORTH SLIP	S075501550	LS	21-09-90	5143.19
SEVERN	MINSTERWORTH SLIP	S075501550	LS	21-09-90	4906.00
SEVERN	MINSTERWORTH SLIP	S075501550	LS	05-10-90	4737.44
SEVERN	MINSTERWORTH SLIP	S075501550	LS	05-10-90	4359.03
SEVERN	MINSTERWORTH SLIP	S075501550	LS	05-10-90	3900.93
SEVERN	MINSTERWORTH SLIP	S075501550	LS	06-10-90	13581.83
SEVERN	MINSTERWORTH SLIP	S075501550	LS	06-10-90	6050.11
SEVERN	MINSTERWORTH SLIP	S075501550	LS	06-10-90	6390.02
SEVERN	MINSTERWORTH SLIP	S075501550	LS	06-10-90	5929.51
SEVERN	MINSTERWORTH SLIP	S075501550	LS	06-10-90	6156.25
SEVERN	MONTFORD	SJ41151445	US	17-05-90	1020.44
SEVERN	MONTFORD	SJ41151445	US	31-05-90	526.71
SEVERN	MONTFORD	SJ41151445	US	06-06-90	522.35
SEVERN	MONTFORD	SJ41151445	US	20-06-90	483.55
SEVERN	MONTFORD	SJ41151445	US	25-06-90	693.61
SEVERN	MONTFORD	SJ41151445	US	05-07-90	1741.49
SEVERN	MONTFORD	SJ41151445	US	18-07-90	776.35
SEVERN	MONTFORD	SJ41151445	US	30-07-90	830.42
SEVERN	MONTFORD	SJ41151445	US	03-08-90	641.05
SEVERN	MONTFORD	SJ41151445	US	07-08-90	679.61
SEVERN	MONTFORD	SJ41151445	US	15-08-90	770.79
SEVERN	MONTFORD	SJ41151445	US	05-09-90	616.09
SEVERN	MONTFORD	SJ41151445	US	13-09-90	644.96
SEVERN	MONTFORD	SJ41151445	US	27-09-90	659.90
SEVERN	MONTFORD	SJ41151445	US	17-10-90	1105.45
SEVERN (TRIB)	BROADOAK	S070001310	LS	18-06-90	0.03
SEVERN (TRIB)	COEDWAY	SJ34301470	US	27-06-90	0.16
SHERBOURNE	BAGINGTON A45	SP34407560	LS	23-07-90	5.89
SHERBOURNE	BAGINGTON A45	SP34407560	LS	07-08-90	6.39
SHERBOURNE	BAGINGTON A45	SP34407560	LS	17-09-90	12.29
SHIRLEY BK.	LONGFORD	SK21913785	UT	24-07-90	8.36
SHIRLEY BK.	LONGFORD	SK21803785	UT	16-08-90	9.14
SHIRLEY BK.	LONGFORD	SK21803785	UT	18-09-90	8.80

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
SILVERDALE BK.	KNUTTON D/S N U LYME	SJ84104620	UT	14-09-90	2.75
SILVERDALE BK.	KNUTTON U/S WRW	SJ83104640	UT	14-09-90	2.37
SILVERDALE BK. (TRIB)	KNUTTON D/S N U LYME	SJ84054615	UT	14-09-90	0.16
SLAD BK.	STROUD(MERRYWALKS)	SO85000530	LS	06-08-90	3.98
SLAD BK.	STROUD(MERRYWALKS)	SO85000530	LS	11-09-90	3.55
SLEEP BK.	TILLEY	SJ50552805	US	24-07-90	3.59
SMESTOW	SWINDON	SO81609060	LS	05-06-90	51.07
SMESTOW BK.	GOTHERSLEY FM.	SO86108640	US	08-08-90	23.18
SMESTOW BK.	SWINDON	SO86109060	US	08-08-90	14.90
SMESTOW BK.	TRESCOTT FORD	SO85209720	US	08-08-90	8.45
SMITE	WHATTON	SK72803870	LT	05-09-90	3.10
SMITES BK.	PAILTON FIELDS FM.	SP47408250	LS	10-10-90	0.51
SMITES BK.	PRIESTS BDGE	SP42208040	LS	23-07-90	1.47
SMITES BK.	PRIESTS BDGE	SP42208040	LS	07-08-90	1.37
SMITES BK.	PRIESTS BDGE	SP42308050	LS	17-09-90	1.87
SMITES BK.	SOWE BDGE	SP38007940	LS	23-07-90	0.76
SMITES BK.	SOWE BDGE	SP38007940	LS	07-08-90	0.21
SMITES BK.	SOWE U/S CONF	SP38007940	LS	17-09-90	1.08
SNELSTON BK.	SNELSTON BROOK FM	SK15824250	UT	23-10-90	0.20
SOAR	LITTLETHORPE	SP54209735	LT	14-06-90	25.16
SOAR	LITTLETHORPE	SP54209735	LT	24-07-90	18.98
SOAR	LITTLETHORPE	SP54109730	LT	02-08-90	17.67
SOAR	LITTLETHORPE	SP54109730	LT	03-08-90	18.39
SOAR	LITTLETHORPE	SP54209735	LT	09-08-90	12.54
SOAR	LITTLETHORPE	SP54109730	LT	31-08-90	16.34
SOAR	LITTLETHORPE	SP54109730	LT	12-09-90	17.77
SOAR	LITTLETHORPE	SP54109730	LT	13-09-90	13.69
SOAR	RATCLIFFE FORD	SK49552930	LT	03-08-90	16.45
SOAR	RATCLIFFE FORD	SK49602930	LT	04-09-90	239.64
SOAR	RATCLIFFE FORD	SK49602930	LT	13-09-90	211.44
SOAR	SHARNFORD	SK47809190	LT	02-08-90	2.11
SOAR	SHARNFORD	SK47809190	LT	12-09-90	2.18
SOAR	STONEY BDGE	SK50409300	LT	02-08-90	3.25
SOAR	STONEY BDGE	SK50409300	LT	12-09-90	3.07
SOAR	THURMASTON	SK60201110	LT	03-08-90	11.91
SOAR	THURMASTON	SK60201110	LT	13-09-90	8.20
SOULTON BK.	SOULTON BDGE B5065	SJ54513024	US	24-07-90	6.95
SOW	ECCLESHALL	SJ83132955	UT	01-08-90	12.60
SOW	GREAT BRIDGEFORD	SJ88372693	UT	10-07-90	35.80
SOW	GREAT BRIDGEFORD	SJ88372693	UT	01-08-90	25.01
SOW	GREAT BRIDGEFORD	SJ88372693	UT	25-09-90	48.85
SOW	MILFORD	SJ97502155	UT	04-05-90	222.58
SOW	MILFORD	SJ97502155	UT	31-05-90	162.30
SOW	MILFORD	SJ97502155	UT	08-06-90	188.46
SOW	MILFORD	SJ97502155	UT	14-06-90	188.44
SOW	MILFORD	SJ97502155	UT	22-06-90	362.57
SOW	MILFORD	SJ97502155	UT	10-07-90	180.92
SOW	MILFORD	SJ97502155	UT	12-07-90	155.40
SOW	MILFORD	SJ97502155	UT	23-07-90	138.84
SOW	MILFORD	SJ97502155	UT	30-07-90	146.89
SOW	MILFORD	SJ97502155	UT	01-08-90	153.09
SOW	MILFORD	SJ97502155	UT	13-08-90	140.04
SOW	MILFORD	SJ97502155	UT	22-08-90	175.60
SOW	MILFORD	SJ97502155	UT	29-08-90	158.03
SOW	MILFORD	SJ97502155	UT	03-09-90	158.44
SOW	MILFORD	SJ97502155	UT	10-09-90	153.56
SOW	MILFORD	SJ97502155	UT	21-09-90	126.84
SOW	MILFORD	SJ97502155	UT	05-10-90	206.76
SOW	MILFORD	SJ97502155	UT	18-10-90	183.35
SOW	MILFORD	SJ97502155	UT	24-10-90	188.32
SOWE	CLIFFORD BDGE A46	SP37708070	LS	23-07-90	7.09
SOWE	CLIFFORD BDGE A46	SP37708070	LS	07-08-90	7.91
SOWE	CLIFFORD BDGE A46	SP37708070	LS	17-09-90	5.91
SOWE	SHERBOURNE U/S A45	SP34607560	LS	23-07-90	11.51
SOWE	SHERBOURNE U/S A45	SP34407560	LS	07-08-90	19.39
SOWE	SHERBOURNE U/S A45	SP34607560	LS	17-09-90	11.63
SOWE	STONELEIGH	SP33207270	LS	17-09-90	161.58
SPRING BK.	BROADHEATH FM.	SJ85752661	UT	13-07-90	0.21
STOKE BK.	STONEY MIDDLETON	SK23907530	LT	26-07-90	2.53
STOKE BK.	STONEY MIDDLETON	SK23907530	LT	14-08-90	2.06
STOKE PARK BK.	OLLERTON	SJ64402600	US	24-07-90	2.75
STONEY BK.	SLITTING MILL	SK02551668	UT	09-10-90	2.66
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19605290	LS	09-05-90	46.11

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
STOUR (WORKS)	CLIFFORD CHAMBERS	SP19505290	LS	14-05-90	42.27
STOUR (WORKS)	CLIFFORD CHAMBERS	SP19605290	LS	22-05-90	34.45
STOUR (WORKS)	CLIFFORD CHAMBERS	SP19705280	LS	30-05-90	29.26
STOUR (WORKS)	CLIFFORD CHAMBERS	SP19705270	LS	05-06-90	33.05
STOUR (WORKS)	CLIFFORD CHAMBERS	SP19605290	LS	12-06-90	27.74
STOUR (WORKS)	CLIFFORD CHAMBERS	SP19705280	LS	18-06-90	25.95
STOUR (WORKS)	CLIFFORD CHAMBERS	SP19705280	LS	27-06-90	28.37
STOUR (WORKS)	CLIFFORD CHAMBERS	SP19605290	LS	03-07-90	26.97
STOUR (WORKS)	CLIFFORD CHAMBERS	SP19605290	LS	10-07-90	22.11
STOUR (WORKS)	CLIFFORD CHAMBERS	SP19605290	LS	17-07-90	15.37
STOUR (WORKS)	CLIFFORD CHAMBERS	SP19605290	LS	25-07-90	11.33
STOUR (WORKS)	CLIFFORD CHAMBERS	SP19605290	LS	31-07-90	12.80
STOUR (WORKS)	CLIFFORD CHAMBERS	SP20105210	LS	08-08-90	12.34
STOUR (WORKS)	CLIFFORD CHAMBERS	SP19705280	LS	21-08-90	21.00
STOUR (WORKS)	CLIFFORD CHAMBERS	SP19705280	LS	04-09-90	13.44
STOUR (WORKS)	CLIFFORD CHAMBERS	SP19705280	LS	18-09-90	9.84
STOUR (WORKS)	CLIFFORD CHAMBERS	SP19665250	LS	25-09-90	12.04
STOUR (WORKS)	CLIFFORD CHAMBERS	SP19705280	LS	09-10-90	12.94
STOUR (WORKS)	CLIFFORD CHAMBERS	SP19705280	LS	23-10-90	16.80
STOUR (WORKS)	MITFORD BDGE	SP26303730	LS	25-07-90	4.76
STOUR (WORKS)	MITFORD BDGE	SP26203730	LS	08-08-90	5.36
STOUR (WORKS)	MITFORD BDGE	SP26303730	LS	18-09-90	5.36
STOUR (WORKS)	SHIPSTON	SP26204060	LS	10-05-90	49.93
STOUR (WORKS)	SHIPSTON	SP26064060	LS	17-05-90	31.69
STOUR (WORKS)	SHIPSTON	SP26104060	LS	22-05-90	30.45
STOUR (WORKS)	SHIPSTON	SP26064060	LS	28-06-90	22.29
STOUR (WORKS)	SHIPSTON	SP26064060	LS	25-07-90	12.48
STOUR (WORKS)	SHIPSTON	SP26104040	LS	08-08-90	14.30
STOUR (WORKS)	SHIPSTON	SP26104040	LS	04-09-90	15.26
STOUR (WORKS)	SHIPSTON	SP26104040	LS	18-09-90	11.27
STOUR (WORKS)	KIDDER(GILT EDGE)	S082847687	US	20-06-90	148.30
STOUR (WORKS)	KIDDER(GILT EDGE)	S083057675	US	06-07-90	144.16
STOUR (WORKS)	KIDDER(GILT EDGE)	S082847687	US	27-07-90	109.91
STOUR (WORKS)	KIDDER(GILT EDGE)	S082847687	US	08-08-90	98.16
STOUR (WORKS)	LVE U/S WRW	S092208500	US	08-08-90	25.11
STOUR (WORKS)	STOURBRIDGE	S090708480	US	06-07-90	53.84
STOUR (WORKS)	STOURTON	S086208480	US	08-07-90	76.50
STRAFORD BK.	HILTON	S077279552	US	20-07-90	3.98
STRINE	CRUDGINGTON	SJ64061747	US	28-06-90	26.40
STRINE	CRUDGINGTON	SJ64061747	US	24-07-90	10.18
STRINE	CRUDGINGTON	SJ64061747	US	25-07-90	9.72
STRINE	CRUDGINGTON	SJ64061747	US	03-08-90	9.40
STRINE	CRUDGINGTON	SJ64061747	US	13-08-90	10.04
STRINE	CRUDGINGTON	SJ64061747	US	28-09-90	18.76
STRINE	CRUDGINGTON	SJ64061747	US	23-10-90	18.21
STRINE BK.	CROW BK. D/S CONF	SJ66801578	US	24-05-90	8.74
STRINE BK.	CROW BK. U/S CONF	SJ66901578	US	31-05-90	4.39
STRINE BK.	LONGFORD MOOR DS ABS	SJ71851840	US	25-07-90	3.86
STRINE BK.	LONGFORD MOOR DS ABS	SJ71901840	US	13-08-90	4.12
STRINE BK.	LONGFORD MOOR US ABS	SJ71901840	US	25-07-90	5.18
STRINE BK.	LONGFORD MOOR US ABS	SJ71901840	US	13-08-90	5.18
STRINE BK.	NEWPORT	SJ74301940	US	25-07-90	2.92
STRINE BK.	NEWPORT	SJ74301940	US	13-08-90	2.73
STRINE BK.	TIBBERTON MOOR	SJ68201810	US	25-07-90	2.84
STRINE BK.	TIBBERTON MOOR	SJ68201810	US	13-08-90	4.50
STRINE BK.(TRIB)	BROCKTON	SJ72901670	US	25-07-90	0.42
STRINE BK.(TRIB)	BROCKTON	SJ72901670	US	13-08-90	0.31
STRINE BK.(TRIB)	HONINGTON	SJ71601525	US	25-07-90	1.56
ST.CATHERINE WELL BK	NEW INGS	SK58509820	LT	09-08-90	2.32
SUGAR BK.	BROMSGROVE D/S WRW	S095806820	US	17-08-90	10.54
SUGAR BK.	BROMSGROVE U/S WRW	S096106940	US	26-09-90	0.89
SUGAR BK.	STOKE POUND D/S WRW	S095806820	US	26-09-90	8.85
SWARBOURNE	MEADOW LANE YOXALL	SK15201770	UT	04-06-90	8.90
SWARBOURNE	MEADOW LANE YOXALL	SK15201770	UT	18-06-90	8.29
SWARBOURNE	MEADOW LANE YOXALL	SK15201770	UT	09-07-90	9.54
SWARBOURNE	MEADOW LANE YOXALL	SK15221777	UT	17-07-90	6.59
SWARBOURNE	MEADOW LANE YOXALL	SK15221777	UT	06-08-90	6.63
SWARBOURNE	MEADOW LANE YOXALL	SK15221777	UT	21-08-90	7.97
SWARBOURNE	MEADOW LANE YOXALL	SK15221777	UT	29-08-90	6.18
SWARBOURNE	MEADOW LANE YOXALL	SK15221777	UT	10-09-90	6.77
SWARBOURNE	MEADOW LANE YOXALL	SK15221777	UT	24-09-90	11.05
SWIFT	BRANSFORD BDGE	SP52008220	LS	24-07-90	8.64
SWIFT	BRANSFORD BDGE	SP52008220	LS	07-08-90	5.99

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
SWIFT	LUTTERNORTH D/S A426	SP54308390	LS	24-07-90	7.53
SWIFT	LUTTERNORTH U/S WRW	SP53508300	LS	07-08-90	4.03
SWIFT	RUGBY	SP50507750	LS	24-07-90	0.61
SWIFT	RUGBY	SP50507750	LS	07-08-90	0.21
SWILGATE	TEWKESBURY	S088903320	LS	26-07-90	4.02
SWILGATE	TEWKESBURY	S088903220	LS	09-08-90	4.45
SWILGATE	TEWKESBURY	S088903220	LS	18-09-90	6.50
TACH BK.	WARWICK	SP29606350	LS	17-09-90	3.07
TACH BK.	WARWICK HEATHCOTE	SP30206300	LS	25-07-90	4.33
TAME	BESCOT	SP01209580	UT	04-05-90	114.11
TAME	BESCOT	SP01209580	UT	15-05-90	100.15
TAME	BESCOT	SP01209580	UT	05-06-90	133.25
TAME	BESCOT	SP01209580	UT	28-06-90	96.34
TAME	BESCOT	SP01229582	UT	08-08-90	45.79
TAME	BESCOT	SP01209580	UT	14-08-90	58.16
TAME	BESCOT	SP01229582	UT	09-10-90	74.98
TAME	HOPWAS	SK18120520	UT	08-06-90	989.31
TAME	HOPWAS	SK18120520	UT	02-07-90	903.23
TAME	HOPWAS	SK18120520	UT	16-07-90	1083.58
TAME	HOPWAS	SK18120520	UT	25-09-90	1378.11
TAME	HOPWAS	SK18120520	UT	12-10-90	711.92
TAME	HOPWAS	SK18120520	UT	23-10-90	888.38
TAME	M6 JUNCTN 9	S099809640	UT	14-08-90	14.90
TAME	PERRY PARK	SP06109190	UT	14-08-90	92.64
TAME	PERRY PARK	SP06109190	UT	29-10-90	168.48
TAME	SANDWELL	SP02919262	UT	24-10-90	99.69
TAME	WATER ORTON	SP16929141	UT	15-08-90	258.42
TAME OLDBURY ARM	IZONS LANE	S098989035	UT	14-08-90	2.51
TAME OLDBURY ARM	PARK HILL	SP00169569	UT	04-05-90	35.43
TAME OLDBURY ARM	PARK HILL	SP00169569	UT	15-05-90	37.18
TAME OLDBURY ARM	PARK HILL	SP00169569	UT	20-06-90	31.39
TAME OLDBURY ARM	PARK HILL	SP00169569	UT	28-06-90	24.60
TAME OLDBURY ARM	PARK HILL	SP00169569	UT	19-07-90	33.46
TAME OLDBURY ARM	PARK HILL	SP00169569	UT	14-08-90	19.68
TAME OLDBURY ARM	PARK HILL	SP00169569	UT	03-10-90	103.19
TAME OLDBURY ARM	PARK HILL	SP00169569	UT	09-10-90	21.75
TAME OLDBURY ARM	PARK HILL	SP00169569	UT	17-10-90	19.37
TAME OLDBURY ARM	PARK HILL	SP00169569	UT	29-10-90	33.33
TAME OLDBURY ARM	SHEEPWASH	S097429222	UT	16-05-90	15.60
TAME OLDBURY ARM	SHEEPWASH	S097429222	UT	22-05-90	13.76
TAME OLDBURY ARM	SHEEPWASH	S097429222	UT	03-10-90	18.74
TAME OLDBURY ARM	TOLL END U/S WRW	S097829285	UT	14-08-90	14.13
TAME WILLENHALL ARM	JAMES BDGE	S098889752	UT	15-05-90	41.04
TAME WILLENHALL ARM	JAMES BDGE	S098889752	UT	21-05-90	48.05
TAME WILLENHALL ARM	JAMES BDGE	S098889752	UT	20-06-90	22.36
TAME WILLENHALL ARM	JAMES BDGE	S098889752	UT	28-06-90	24.01
TAME WILLENHALL ARM	JAMES BDGE	S098889752	UT	12-07-90	25.70
TAME WILLENHALL ARM	JAMES BDGE	S098889752	UT	14-08-90	22.38
TAME WILLENHALL ARM	JAMES BDGE	S098889752	UT	09-10-90	28.24
TAME WILLENHALL ARM	JAMES BDGE	S098889752	UT	29-10-90	28.00
TAME WILLENHALL ARM	WATERY LANE	S095229920	UT	14-08-90	0.61
TAME (L/C)	LEA MARSTON	SP20749374	UT	15-08-90	300.38
TAME (L/C)	LEA MARSTON	SP20749374	UT	31-08-90	210.82
TAME (R/C)	LEA MARSTON	SP20749374	UT	15-08-90	327.12
TAME (R/C)	LEA MARSTON	SP20749374	UT	31-08-90	196.84
TANAT	LLANYBLODWEL	SJ25252225	US	20-06-90	55.09
TANAT	LLANYBLODWEL	SJ25252225	US	26-06-90	107.07
TANAT	LLANYBLODWEL	SJ25202250	US	19-07-90	84.78
TANAT	LLANYBLODWEL	SJ25252225	US	25-07-90	61.85
TANAT	LLANYBLODWEL	SJ25252225	US	03-08-90	43.77
TANAT	LLANYBLODWEL	SJ25252225	US	14-08-90	27.22
TANAT	LLANYBLODWEL	SJ25202225	US	05-09-90	16.32
TANAT	LLANYBLODWEL	SJ25152249	US	13-09-90	26.05
TANAT	LLANYBLODWEL	SJ25152249	US	21-09-90	28.11
TANAT FEEDER	CARREGHOFA HALL	SJ25202152	US	13-06-90	6.00
TANAT FEEDER	CARREGHOFA HALL	SJ25202152	US	29-06-90	8.00
TANAT FEEDER	CARREGHOFA HALL	SJ25202152	US	16-08-90	7.17
TEAN	CHECKLEY	SK02813765	UT	24-07-90	6.69
TEAN	CHECKLEY	SK02813765	UT	03-08-90	5.11
TEAN	CHECKLEY	SK02813765	UT	16-08-90	5.69
TEAN	CHECKLEY	SK02813765	UT	18-09-90	5.37
TEAN	FOLE	SK04543713	UT	24-07-90	5.77
TEAN	FOLE	SK04543713	UT	03-08-90	6.62

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
TEAN	FOLE	SK04543713	UT	16-08-90	5.50
TEAN	FOLE	SK04543713	UT	18-09-90	4.86
TEAN	UTTOXETER	SK09223484	UT	24-07-90	35.09
TEAN	UTTOXETER	SK09223484	UT	03-08-90	24.04
TEAN	UTTOXETER	SK09223484	UT	16-08-90	24.30
TEAN	UTTOXETER	SK09223484	UT	18-09-90	24.07
TEME	BEGUILDY	S019108020	US	26-07-90	7.21
TEME	BEGUILDY	S019108020	US	12-09-90	3.83
TEME	CRIFTINFORD BDGE	S042007210	US	26-07-90	62.81
TEME	CRIFTINFORD BDGE	S042007210	US	12-09-90	48.40
TEME	KNIGHTON	S028907240	US	26-07-90	21.97
TEME	KNIGHTON	S028907240	US	12-09-90	12.34
TEME	KNIGHTSFORD	S073405570	US	06-06-90	265.72
TEME	KNIGHTSFORD	S073405570	US	13-06-90	250.01
TEME	KNIGHTSFORD	S073405570	US	21-06-90	276.46
TEME	KNIGHTSFORD	S073405570	US	03-07-90	232.32
TEME	KNIGHTSFORD	S073405570	US	26-07-90	128.56
TEME	KNIGHTSFORD	S073405570	US	13-08-90	119.63
TEME	KNIGHTSFORD	S073405570	US	05-09-90	116.55
TEME	KNIGHTSFORD	S073405570	US	12-09-90	103.39
TEME	KNIGHTSFORD	S073405570	US	24-09-90	140.77
TEME	LUDLOW U/S CORVE	S050507520	US	26-07-90	85.80
TEME	LUDLOW U/S CORVE	S050507520	US	12-09-90	77.88
TEME	TENBURY	S059706850	US	13-06-90	176.52
TEME	TENBURY	S059606860	US	13-07-90	138.91
TEME	TENBURY	S059706850	US	26-07-90	101.54
TEME	TENBURY	S059606860	US	13-08-90	89.86
TEME	TENBURY	S059706850	US	05-09-90	86.28
TEME	TENBURY	S059706850	US	12-09-90	86.75
TEME	WALFORD	S038507310	US	26-07-90	25.49
TEME	WALFORD	S038507310	US	12-09-90	17.54
TEMPLE BK.	TEMPLE BALSALL	SP20607615	UT	15-08-90	1.02
TERN	SHIFFORDS BDGE	SJ69153490	US	25-05-90	16.23
TERN	SHIFFORDS BDGE	SJ69153490	US	21-08-90	19.12
TERN	WILLOUGHBRIDGE	SJ74303955	US	24-07-90	1.99
TERN BY-PASS I/C	TERN FISHERIES	SJ69003475	US	21-08-90	16.68
TERN BY-PASS O/C	TERN FISHERIES	SJ68723451	US	21-08-90	22.34
TERN BY-PASS O/C	TERN FISHERIES	SJ68723451	US	21-08-90	15.84
TERN (TRIB)	BACON HALL	SJ65152415	US	10-09-90	0.44
THE BECK	NORWELL	SK78106180	LT	05-09-90	2.76
THE FLEET	BESTHORPE	SK82506450	LT	25-06-90	5.33
THE FLEET	COLLINGHAM	SK82906200	LT	25-06-90	3.62
THE FLEET	GIRTON	SK81906660	LT	25-06-90	5.88
THORPE BK.	THORPE ARNOLD	SK76502015	LT	02-08-90	1.00
THORPE BK.	THORPE ARNOLD	SK76502015	LT	12-09-90	0.94
THURLASTON BK.	HUNCOTE	SK51509740	LT	02-08-90	5.02
THURLASTON BK.	HUNCOTE	SK51509740	LT	12-09-90	4.54
TIPTON BK.	TOLL END U/S SDW	S097569323	UT	14-08-90	8.29
TOADSMOOR BK.	LOWER BOURNE	S087600240	LS	11-09-90	2.02
TOADSMOOR BK.	LOWER BOURNE	S087600240	LS	06-08-90	2.04
TORNE	AUCKLEY	SE64600120	LT	01-08-90	25.18
TORNE	AUCKLEY	SE64600120	LT	09-08-90	25.34
TORNE	CARR BANK ROSSINGTON	SK59709750	LT	09-08-90	14.64
TORNE	ROSSINGTON BDGE	SK62809960	LT	09-08-90	23.54
TORNE	SHEEPWASH BDGE	SK61109410	LT	09-08-90	11.36
TORNE	SPITAL HILL	SK60709320	LT	09-08-90	10.70
TORNE	STYRRUP	SK59309030	LT	09-08-90	0.00
TORNE	TORNE BDGE A614	SK67600360	LT	09-08-90	20.03
TOTON WRW OUTFALL	CHANNEL 1	SK50753370	LT	04-09-90	9.26
TOTON WRW OUTFALL	CHANNEL 2	SK50753370	LT	04-09-90	3.97
TRANNON	TREFEGLWYS	SN98109050	US	07-08-90	0.53
TRENT	COLWICK	SK62003990	LT	31-05-90	2367.84
TRENT	COLWICK	SK62003990	LT	08-06-90	2782.79
TRENT	COLWICK	SK62003990	LT	23-07-90	1907.06
TRENT	COLWICK	SK62003990	LT	26-07-90	2125.03
TRENT	COLWICK	SK62003990	LT	10-08-90	1999.05
TRENT	COLWICK	SK62003990	LT	16-08-90	1230.53
TRENT	COLWICK	SK62003990	LT	16-08-90	1082.40
TRENT	COLWICK	SK62003990	LT	04-09-90	2309.45
TRENT	DARLASTON	SJ88543544	UT	13-06-90	128.56
TRENT	DARLASTON	SJ88543544	UT	05-07-90	202.75
TRENT	DARLASTON	SJ88543544	UT	29-08-90	101.04
TRENT	DARLASTON	SJ88543544	UT	25-09-90	496.86

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M ³ /d
TRENT	DARLASTON	SJ88543544	UT	17-10-90	224.39
TRENT	DRAKELOW	SK23902040	UT	22-06-90	3668.98
TRENT	DRAKELOW	SK23902040	UT	30-08-90	1277.98
TRENT	DRAKELOW	SK23902040	UT	12-10-90	1426.61
TRENT	DRAKELOW	SK23902040	UT	22-10-90	1856.23
TRENT	NORTH MUSKHAM	SK80206020	LT	11-06-90	2880.03
TRENT	NORTH MUSKHAM	SK80406060	LT	30-07-90	2173.53
TRENT	NORTH MUSKHAM	SK80406060	LT	05-09-90	2087.75
TRENT	SHARDLOW	SK44602990	LT	22-05-90	1622.63
TRENT	SHARDLOW	SK44602990	LT	14-06-90	1526.74
TRENT	SHARDLOW	SK44602990	LT	25-07-90	1151.30
TRENT	SHARDLOW	SK44602990	LT	23-08-90	1614.32
TRENT	SHARDLOW	SK45503000	LT	04-09-90	1244.67
TRENT	SHARDLOW	SK44602990	LT	08-10-90	1706.60
TRENT	STOKE	SJ89244665	UT	04-05-90	13.26
TRENT	STOKE	SJ89244665	UT	05-07-90	18.08
TRENT	YOXALL	SK13231772	UT	09-05-90	575.25
TRENT	YOXALL	SK13231772	UT	25-05-90	467.31
TRENT	YOXALL	SK13231772	UT	01-06-90	413.26
TRENT	YOXALL	SK13231772	UT	14-06-90	454.55
TRENT	YOXALL	SK13231772	UT	22-06-90	644.94
TRENT	YOXALL	SK13231772	UT	28-06-90	459.96
TRENT	YOXALL	SK13231772	UT	12-07-90	388.43
TRENT	YOXALL	SK13231772	UT	31-07-90	428.96
TRENT	YOXALL	SK13231772	UT	23-08-90	382.09
TRENT	YOXALL	SK13231772	UT	30-08-90	380.19
TRENT	YOXALL	SK13231772	UT	05-10-90	555.47
TRENT	YOXALL	SK13231772	UT	22-10-90	384.38
TRWSTLLEWELLYN	GARTHMYL LOCK O/F	S019309880	US	16-08-90	3.84
TUFTS LEVEL	BROCKHOLLANDS	S062000500	LS	05-09-90	1.43
TUFTS LEVEL	BROCKHOLLANDS	S062000500	LS	03-10-90	0.68
UNAMED STREAM	POOL HOUSE	SJ79102470	US	01-08-90	0.27
UNAMED WATERCOURSE	RANSKILL WRW	SK66758782	LT	17-08-90	0.22
VYRNWY	LLANYMYNECH	SJ25201960	US	06-06-90	261.89
VYRNWY	LLANYMYNECH	SJ25201960	US	26-06-90	760.98
VYRNWY	LLANYMYNECH	SJ25201950	US	05-07-90	3637.52
VYRNWY	LLANYMYNECH	SJ25201950	US	18-07-90	421.02
VYRNWY	LLANYMYNECH	SJ25201960	US	25-07-90	239.73
VYRNWY	LLANYMYNECH	SJ25201960	US	07-08-90	170.30
VYRNWY	LLANYMYNECH	SJ25201960	US	05-09-90	229.09
VYRNWY	LLANYMYNECH	SJ25201960	US	12-09-90	197.21
VYRNWY	LLANYMYNECH	SJ25201960	US	27-09-90	306.04
WAGGS BK.	ELLERTON BK.U/S CONF	SJ72002550	US	24-08-90	2.70
WALL BK.	WALL COTTAGE	SJ67701760	US	25-07-90	0.85
WALL BK.	WALL COTTAGE	SJ67701760	US	13-08-90	2.28
WALL BK.(TRIB)	HONNINGTON	SJ71501530	US	13-08-90	0.75
WALTON BK.	MANOR LODGE D/S FM.	SK57002000	LT	05-06-90	0.56
WALTON BK.	MANOR LODGE D/S FM.	SK57002000	LT	05-06-90	0.29
WALTON BK.	MANOR LODGE D/S FM.	SK57002000	LT	15-06-90	0.28
WALTON BK.	MANOR LODGE D/S FM.	SK57002000	LT	15-06-90	0.61
WAR BK.	ROAD CROSSING	SJ44752225	US	22-08-90	0.00
WAR BK.	WALFORD	SJ43201980	US	22-08-90	0.49
WARMSWORTH BK.	NEW INGS	SK58509820	LT	09-08-90	5.59
WARMSWORTH BK.	SPRINGWELL LANE	SK56209940	LT	09-08-90	1.58
WEIR BK.	KINNERLY	SJ33992078	US	23-08-90	6.43
WEIR BK.	KINNERLY D/S BDGE	SJ33992078	US	31-07-90	4.56
WEIR BK.	KNOCKIN	SJ33522204	US	23-08-90	5.20
WEIR BK.	KNOCKIN U/S SEP TANK	SJ33422227	US	31-07-90	0.10
WEIR BK.	KNOCKIN U/S SEP TANK	SJ33422227	US	23-08-90	0.59
WEIR BK.	WEST FELTON	SJ34552451	US	31-07-90	2.41
WEIR BK.	WEST FELTON	SJ34552451	US	23-08-90	2.26
WERGS SPRING	WERGS GOLF COURSE	SJ87950124	UT	08-08-90	0.15
WESLEY BK.	GRINDLEFORD	SJ75350288	US	20-07-90	2.44
WHETSTONE BK.	WHETSTONE	SP55609710	LT	02-08-90	0.00
WHETSTONE BK.	WHETSTONE	SP55609710	LT	13-09-90	0.00
WHIPLING	WHATTON	SK75203850	LT	05-09-90	0.26
WHISSENDINE BK.	STAPLEFORD PARK U/S	SK82501720	LT	02-08-90	0.90
WHISSENDINE BK.	STAPLEFORD PARK U/S	SK62507720	LT	12-09-90	0.90
WHISTON BK.	MITTON MANOR	SJ88891477	UT	02-08-90	3.20
WINDMILL POOL INPUT	100 ACRE FM BROOME	S089907850	LS	09-05-90	0.00
WINDMILL POOL INPUT	100 ACRE FM BROOME	S089907850	LS	31-05-90	0.00
WINDMILL POOL INPUT	100 ACRE FM BROOME	S089907850	LS	19-06-90	0.00
WINDMILL POOL INPUT	100 ACRE FM BROOME	S089907850	LS	25-07-90	0.00

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
WINDMILL POOL INPUT	100 ACRE FM BROOME	S089907850	LS	14-08-90	0.00
WINDMILL POOL INPUT	100 ACRE FM BROOME	S089907850	LS	13-09-90	0.00
WINDMILL POOL INPUT	100 ACRE FM BROOME	S089907850	LS	27-09-90	0.00
WINDMILL POOL INPUT	100 ACRE FM BROOME	S089907850	LS	17-10-90	0.00
WITTHY BK.	HIGH BDGE	SP38608070	LS	23-07-90	1.94
WITTHY BK.	HIGH BDGE	SP38608070	LS	07-08-90	1.45
WITTHY BK.	HIGH BDGE	SP38608070	LS	17-09-90	1.91
WOOD BK.	LOUGHBOROUGH	SK53222060	LT	03-08-90	4.52
WOOD BK.	LOUGHBOROUGH U/S WRW	SK53202070	LT	10-05-90	12.34
WOOD BK.	LOUGHBOROUGH U/S WRW	SK53202080	LT	22-05-90	5.76
WOOD BK.	LOUGHBOROUGH U/S WRW	SK53202080	LT	30-05-90	10.39
WOOD BK.	LOUGHBOROUGH U/S WRW	SK53202080	LT	30-05-90	10.39
WOOD BK.	LOUGHBOROUGH U/S WRW	SK53202070	LT	12-06-90	8.64
WOOD BK.	LOUGHBOROUGH U/S WRW	SK53202070	LT	21-06-90	15.66
WOOD BK.	LOUGHBOROUGH U/S WRW	SK53202070	LT	02-07-90	4.11
WOOD BK.	LOUGHBOROUGH U/S WRW	SK53102130	LT	13-09-90	2.28
WOOD BK.	NEW GUILD FM.	SJ78102115	US	02-05-90	0.92
WOOD BK.	NEW GUILD FM.	SJ78102115	US	23-05-90	0.52
WOOD BK.	NEW GUILD FM.	SJ78102115	US	14-06-90	0.66
WOOD BK.	NEW GUILD FM.	SJ78102115	US	04-07-90	1.54
WOOD BK.	NEW GUILD FM.	SJ78102115	US	12-07-90	0.48
WOOD BK.	NEW GUILD FM.	SJ78102115	US	12-07-90	0.45
WOOD BK.	NEW GUILD FM.	SJ78102115	US	23-07-90	0.83
WOOD BK.	NEW GUILD FM.	SJ78102115	US	08-08-90	0.35
WOOD BK.	NEW GUILD FM.	SJ78102115	US	29-08-90	0.95
WOOD BK.	NEW GUILD FM.	SJ78102115	US	14-09-90	0.27
WOOD BK.	NEW GUILD FM.	SJ78102115	US	12-10-90	1.50
WOOD BK.	NORBURY JUNCTION	SJ79402245	US	02-05-90	0.57
WOODBOROUGH BECK	SHELT HILL	SK64554820	LT	05-09-90	0.48
WOODBOROUGH BECK	SHELT HILL	SK64554820	LT	11-09-90	0.42
WOODBOROUGH BECK	SHELT HILL	SK64554820	LT	27-09-90	0.41
WOODCHESTER STREAM	INCH BK. COW LANE	S084200080	LS	06-08-90	3.50
WOODCHESTER STREAM	INCH BK. COW LANE	S084200080	LS	11-09-90	2.42
WOODHOUSE BK.	NEWTOWN LINFORD	SK51551020	LT	03-08-90	0.73
WOODHOUSE BK.	QUORN	SK55301690	LT	13-09-90	0.35
WOOTTON BK.	PETTIFORD BDGE	SP16106390	LS	25-07-90	7.31
WOOTTON BK.	PETTIFORD BDGE	SP16106390	LS	08-08-90	7.25
WORFE	ADAMS FORD BDGE	SJ76190326	US	20-07-90	0.45
WORFE	BECKBURY	SJ75850160	US	20-07-90	3.91
WORFE	COSFORD	SJ78500456	US	20-07-90	11.85
WORFE	HOLE FM.	SJ77900540	US	20-07-90	0.51
WORFE	LIZARD MILL FORD	SJ78620961	US	20-07-90	1.24
WORFE	RYTON	SJ75960260	US	20-07-90	3.14
WORFE	STAPLEFORD	S075909880	US	20-07-90	6.99
WORFE	WORFIELD	S075909530	US	20-07-90	8.27
WORFE (TRIB)	BADGER DINGLE	S076209890	US	20-07-90	0.75
WREAKE	BROOKSBY	SK66901645	LT	02-08-90	14.58
WREAKE	BROOKSBY	SK66901640	LT	12-09-90	10.88
WREAKE	FRISBY 15M D/S GATE	SK69601810	LT	11-06-90	22.66
WREAKE	FRISBY 15M D/S GATE	SK69601810	LT	03-08-90	8.04
WREAKE	FRISBY 15M D/S GATE	SK69601810	LT	13-09-90	5.46
WREAKE	FRISBY BY PASS CHANN	SK69701800	LT	11-06-90	10.45
WREAKE	FRISBY BY PASS CHANN	SK69701800	LT	03-08-90	2.54
WREAKE	FRISBY BY PASS CHANN	SK69701800	LT	30-08-90	1.78
WREAKE	FRISBY BY PASS CHANN	SK69701800	LT	13-09-90	2.62
WREAKE	FRISBY GATE D/S	SK69601810	LT	30-08-90	3.84
WREAKE	RATCLIFFE MILL	SK63101410	LT	31-07-90	16.39
WREAKE	RATCLIFFE MILL	SK63101410	LT	03-08-90	13.62
WREAKE	RATCLIFFE MILL	SK63101410	LT	10-08-90	15.42
WREAKE	RATCLIFFE MILL	SK63101410	LT	17-08-90	10.51
WREAKE	RATCLIFFE MILL	SK63101410	LT	30-08-90	11.69
WREAKE	RATCLIFFE MILL	SK63101410	LT	12-09-90	13.09
WREAKE	RATCLIFFE MILL	SK63101410	LT	13-09-90	11.09
WREAKE	SYSTON	SK61501240	LT	31-07-90	15.42
WROTTERSLEY BK.	PENDEFORD	SJ89100350	UT	02-08-90	10.24
WYE	ASHFORD	SK18406970	LT	25-05-90	117.07
WYE	ASHFORD	SK18306975	LT	11-06-90	124.61
WYE	ASHFORD	SK18306975	LT	13-07-90	107.12
WYE	ASHFORD	SK18206960	LT	26-07-90	83.69
WYE	ASHFORD	SK18206960	LT	14-08-90	77.90
WYE	ASHFORD	SK18206960	LT	07-09-90	82.27
WYE	ASHFORD	SK18306975	LT	09-10-90	108.68
WYE	ASHFORD	SK18306975	LT	19-10-90	138.20

TABLE 1 CONTINUED
FLOW GAUGINGS MAY - OCTOBER 1990

RIVER NAME	SITE NAME	NGR	AREA	DATE OF GAUGING	DISCHARGE M1/d
WYE	ASHFORD A6 BDGE	SK17906970	LT	07-09-90	62.95
WYE	ASHWOOD DALE	SK08407250	LT	26-07-90	25.65
WYE	ASHWOOD DALE	SK09407240	LT	14-08-90	17.60
WYE	ASHWOOD DALE	SK08407250	LT	07-09-90	25.05
WYE	BUXTON D/S WRW	SK08107250	LT	25-05-90	28.12
WYE	BUXTON D/S WRW	SK08007250	LT	26-07-90	21.45
WYE	BUXTON D/S WRW	SK08007250	LT	14-08-90	15.91
WYE	BUXTON D/S WRW	SK08007250	LT	07-09-90	22.31
WYE	BUXTON U/S WRW	SK06507345	LT	25-05-90	9.43
WYE	BUXTON U/S WRW	SK06507345	LT	26-07-90	7.48
WYE	BUXTON U/S WRW	SK06507345	LT	14-08-90	5.23
WYE	BUXTON U/S WRW	SK06507345	LT	07-09-90	8.15
WYE	MAGPIE SOUGH U/S	SK17906970	LT	26-07-90	54.98
WYE	MAGPIE SOUGH U/S	SK17906970	LT	14-08-90	49.45
WYE	ROWSLEY	SK24206575	LT	25-05-90	157.38
WYE	ROWSLEY	SK25106560	LT	26-07-90	122.87
WYE	ROWSLEY	SK25106560	LT	14-08-90	98.83
WYE	ROWSLEY	SK25106560	LT	07-09-90	91.17
WYE	WORMHILL SPRING D/S	SK12407350	LT	25-05-90	55.05
WYE	WORMHILL SPRING D/S	SK12307350	LT	26-07-90	33.20
WYE	WORMHILL SPRING D/S	SK12407350	LT	14-08-90	30.72
WYE	WORMHILL SPRING D/S	SK12407356	LT	07-09-90	49.01
WYE	WORMHILL SPRING U/S	SK12307350	LT	25-05-90	37.22
WYE	WORMHILL SPRING U/S	SK12307350	LT	26-07-90	19.74
WYE	WORMHILL SPRING U/S	SK12307350	LT	14-08-90	14.98
WYE	WORMHILL SPRING U/S	SK12307350	LT	07-09-90	28.82
WYMANS BK.	CHELTENHAM MANOR RD.	S093202480	LS	15-05-90	1.47

TABLE 2
LOW FLOW SURVEYS 1989 & 1990
UPPER SEVERN CATCHMENT : FLOWS IN MLD

River Name	Location	NGR	27/06/89	18/07/89	03/08/89	08/08/89	12/09/89	05/10/89	26/07/90	08/08/90	12/09/90
DULAS	RHOS-Y-PENTREF (MDF)	SN95008240	3.80	1.40	1.40	0.90	1.50	3.00	3.50	2.10	1.60
CLYWEDOG	BRYNTAIL (MDF)	SN91308680	309.00	402.00	381.00	477.00	304.00	128.00	466.00	526.00	402.00
SEVERN	DOLWEN	SN99608510						154.00			
TRANNON	TREFEGLWYS	SN98109050						1.10			
CARNO	CAERSWS	S002609180						1.52		1.42	
SEVERN	CAERSWS	S003009160						153.00			
CANAL FEEDER	PENARTH WEIR	S013959256		18.43				21.89		16.89	
BECHAN BK.	ABERCHAN	S014009385						0.84		0.91	
MULE	ABERMULE	S016409460						3.89		4.01	
SEVERN	ABERMULE	S016459570		411.00				165.00		488.88	395.00
RHIW	BERRIEW	SJ18800070						3.23		2.69	
SEVERN	LEIGHTON	SJ23500690						183.00			
BELE BK.	WERN BRIDGE D/S	SJ25301368		0.01							
BELE BK.	WERN BRIDGE U/S	SJ25321368		3.26							
NEW CUT	CANAL OUTFALL D/S	SJ25341406		4.44							
NEW CUT	NEATH BK. U/S CONFL	SJ27361563		4.73							
NEATH BK.	NEW CUT U/S CONFL	SJ27401569		1.40							
NEW CUT	OFFAS DYKE U/S	SJ28201570		5.50						4.66	
VYRNWY	VYRNWY WEIR (MDF)	SJ01901910	92.20	87.00	86.90	91.10	77.80	76.20	103.60	125.90	102.90
COWNWY DIVERSION	COWNWY WEIR (MDF)	SH99901790	6.00	2.40	2.20		1.80	3.40	3.70	2.80	4.80
TANAT	LLANYBLODWEL	SJ25202250		51.09	32.91				61.85	27.22	26.05
TANAT	LLANYBLODWEL (MDF)	SJ25202250	73.40	37.80	32.10	24.70	31.40	36.90	36.50	22.40	40.90
TANAT FEEDER	CARREGHOFA HALL	SJ25302160		5.78						7.17	
VYRNWY	LLANYMYNECH	SJ25201950			144.00			185.00	239.73	170.30	197.21
MAESBURY FEEDER	NEWBRIDGE	SJ30502490		0.22						5.25	
MORDA	LLWYNTIDMON	SJ29352050						16.87			
SEVERN (MINOR. TRIB)	COEDWAY	SJ34251475		0.17							
SEVERN	MONTFORD	SJ41201440	745.00	605.00	747.00					770.80	645.00
TETCHILL BK.	HORDLEY	SJ38303050	6.60								
PERRY	YEATON (MDF)	SJ43401920	33.70	44.70	33.50	36.00	33.10	35.60	31.80	29.50	29.10
REA BK.(TRIB)	REABROOK FM.	SJ36250445		0.01					8.66		6.94
REA BK.	HORSE BRIDGE	SJ37050590	8.54								
MINSTERLEY BK.	PLOXGREEN	SJ36800395	4.23								
CRUCKTON BK.	CRUCKTON	SJ43250979	4.92								
REA BROOK	HOOKAGATE (MDF)	SJ46600920	31.00	25.50	20.80	18.50	19.00	17.10	19.60	17.00	15.40
TERN	WILLOUGHBRIDGE	SJ74303955	2.36	3.53					1.99		
TERN	TERNHILL (MDF)	SJ62903160	43.50	34.90	33.90	34.20	38.40	37.80	34.60	33.10	36.70
COAL BK.	CHIPNALL	SJ72603235	5.46	4.80					4.42		
STOKE PARK BK.	OLLERTON	SJ64402600	3.34	2.58					2.75		
TERN	EATON ON TERN (MDF)	SJ64902300	83.60	65.60	70.20	73.20	72.00	70.20	53.60	48.80	60.10
HUMESFORD BK.	GUILD LANE	SJ78802030				0.67	0.79			0.48	0.37
WOOD BK.	RADMORE LANE	SJ78862148					1.08				
WOOD BK.	GUILD LANE	SJ78082114					1.13				
WOOD BK.	NEW GUILD FARM	SJ77902080				2.64			0.83	0.35	0.27
DAWFORD BK.	GREAT CHATWELL	SJ80001440				1.30	1.14				
LYNN BK.	LYNN	SJ78701570				0.35			2.71	1.53	
LYNN BK.	STOCKTON MOORS	SJ78801620					1.53				

(CONTINUED)

TABLE 2
LOW FLOW SURVEYS 1989 & 1990
UPPER SEVERN CATCHMENT : FLOWS IN MLD

River Name	Location	NGR	27/06/89	18/07/89	03/08/89	08/08/89	12/09/89	05/10/89	26/07/90	08/08/90	12/09/90
MORETON BK.	LYNN BK. D/S CONFL	SJ78801620				3.20			4.96		
MORETON BK.	STOCKTON MOORS	SJ78501680				8.04	9.59		9.03		9.82
BACK BK.	EUXLEY	SJ78101810				8.21	9.51				
COLEY BK.	COLEY MILL	SJ78101930				7.17	10.26				
MEESE	A519 ROAD BRIDGE	SJ75002070		15.22					11.28		
MEESE	FORTON	SJ74902080	13.22				44.22		11.43		
LONCO BK. (TRIB)	HIGH OFFLEY	SJ77602640				0.63	0.91				
LONCO BK.	TUNSTALL	SJ76902675	2.33	2.87		1.78	1.73		2.06		2.02
LONCO BK.	KNIGHTON	SJ74702665	4.75	4.35					3.59		4.27
LONCO BK.	WESTON JONES	SJ75502430				0.14					
LONCO BK. (TRIB)	WESTON JONES	SJ75602430				0.09					
LONCO BK.	WHITLEYFORD BRIDGE	SJ74652380	5.70	5.49		3.90	3.51		2.54	3.34	4.12
MEESE	PULESTON	SJ73402190	24.80						17.13		
LONCO BK.	FORTON	SJ74602190	5.70			3.78	0.16		1.75	3.70	
SAM BK.	SAMBROOK	SJ71652455	19.61	18.47			20.40		17.61		
MEESE	TIBBERTON (MDF)	SJ68002050	55.90	39.10	36.70	36.30	41.80	51.10	32.30	29.50	40.50
POTFORD BROOK	SANDYFORD BR. (MDF)	SJ63402200	6.80	5.30	4.60	4.20	3.90	3.60	4.10	3.80	4.50
STRINE BK.	NEWPORT	SJ74401940	6.94	3.35					2.92		
STRINE	NEWPORT	SJ74401930					3.44				
STRINE BK.	BUTTERY FARM	SJ69001730					6.60				
STRINE	RODWAY BRIDGE	SJ66201810					11.76				
STRINE (TRIB.)	WAPPENSHALL MOOR	SJ66901540				5.22					
STRINE (TRIB)	DUKES DRIVE	SJ65301630					8.19				
STRINE	CRUDGINGTON	SJ64061747	31.67	21.47			22.14		9.72		
STRINE	CRUDGINGTON (MDF)	SJ64061747	30.30	20.00	17.20	18.50	17.30	21.10	10.90	13.90	14.60
RODEN	SPENFORD BRIDGE	SJ47712969	5.43	3.05					1.41		
RODEN	ASTON HALL	SJ53002856	21.03	11.16					6.21		
SOULTON BK.	SOULTON BRIDGE	SJ54513024	9.88	4.80					6.95		
RODEN	SHAWBURY	SJ56142127	35.07	26.98					19.70		
RODEN	RODINGTON (MDF)	SJ58901410	43.90	32.00	28.30	25.10	33.40	35.40	23.70	21.60	29.30
TERN	WALCOT (MDF)	SJ59201230	232.00	224.00	207.00	215.00	238.00	257.00	138.00	135.00	186.00
COUND BK.	COUND	SJ55800560						9.26			
COUND BK.	VENUSBANK A458	SJ55800565	15.28								
HARLEY BK.	SHEINTON	SJ60600410						1.45			
SEVERN	BUILDWAS	SJ64400440	1262.00					832.00		969.00	
SEVERN	BUILDWAS (MDF)	SJ64400440	1201.00	1019.00	1052.00	1007.00	973.00	826.00	987.00	990.00	969.00
WORFE	LIZARD MILL FORD	SJ78620961			1.09				1.24		
WORFE	HOLE FARM	SJ77900540			1.02				0.51		
NEACH LEY BK.	HOLE FARM	SJ78300670			2.47				7.27		
ALBRIGHTON BK.	COSFORD	SJ78100458			0.65				0.35		
WORFE	COSFORD	SJ78500456			3.78				11.85		
WESLEY BK.	GRINDLEFORD	SJ75350327			4.81				2.44		
WORFE	RYTON	SJ75960265			5.86				3.14		
WORFE	BECKBURY	SJ75800160			0.71				3.91		
MAD BK.	BECKBURY	SJ75700150			2.12				1.27		
WORFE	STAPLEFORD	S075909880			9.85						
WORFE (TRIB)	BADGER DINGLE	S076409920			0.99						

(CONTINUED)

TABLE 2
LOW FLOW SURVEYS 1989 & 1990
UPPER SEVERN CATCHMENT : FLOWS IN MLD

River Name	Location	NGR	27/06/89	18/07/89	03/08/89	08/08/89	12/09/89	05/10/89	26/07/90	08/08/90	12/09/90
WORFE	WORFIELD	S076009540			7.00				8.27		
STRATFORD BK.	HILTON	S077609540			5.53				3.98		
WORFE	BURCOTE (MDF)	S074709530	23.60	18.10	21.30	20.00	24.50	32.10	17.50	13.60	24.10
MOR BK.	EARDINGTON	S070659050			6.65						
BORLE BK.	BORLE MILL NETHERTON	S073308265			6.13						
DOWLES BROOK	OAK COTTAGE (MDF)	S076807640	4.10	2.90	2.90	2.20	4.00	2.40	1.55	1.30	1.50
SEVERN	BEWDLEY	S078207620	745.00		910.00			736.00	916.00	880.00	
SEVERN	BEWDLEY (MDF)	S078207620	1026.00	915.00	969.00	827.00	882.00	739.00	838.00	858.00	847.00
STOUR (WORCS)	LYE	S092208500				24.28				25.10	
STOUR (WORCS)	PRESTWOOD	S086908630				37.84					
SMESTOW BK.	TRESCOTT FORD	S085209720				21.00				8.45	
PENN BK.	WOMBOURNE	S085809230				3.63				3.08	
SMESTOW BK.	SWINDON	S086109060				35.34				14.90	
SMESTOW BK.	GOTHERSLEY FARM	S086108640				40.00				23.18	
STOUR (WORCS)	STOURTON	S086208480				82.18					
HAGLEY BK.	BLAKEDOWN U/S WRW	S087257825				1.24				0.66	
STOUR (WORCS)	KIDDER/GILT EDGE	S082847687				108.00					
STOUR (WORCS)	KIDDER/CALLOWS (MDF)	S082907670	244.00	162.00	133.00	145.00	138.00	154.00	113.20	141.90	130.40
BATTLEFIELD BK.	BROMSGROVE U/S WRW	S096106940				1.19				0.63	
HEN BK.	HENBROOK	S092906690				1.72				1.87	
SALWARPE	HENBROOK	S092786685				12.18				12.36	
HADLEY BROOK	WARDS BRIDGE (MDF)	S087006310	7.90	6.00	5.40	6.80	6.60	6.10			
SALWARPE	HARFORD HILL	S086806180		30.33		27.92				17.82	
TEME	BEGUILDY	S019108020			3.62				7.21		3.83
TEME	KNIGHTON	S028907240			15.47						12.34
TEME	WALFORD	S038507310			21.91				25.50		17.54
CLUN	CLUN	S030008080			8.21				9.91		6.51
CLUN	CLUNUNFORD	S039307860			21.12				20.62		15.01
TEME	CRIFTINFORD BRIDGE	S042007210			65.44				62.81		48.40
ONNY	CHEYNEY LONGVILLE	S043208480			4.33				4.66		5.52
BYNE BK(D/S QUINNEY)	STREETFORD	S044408560			4.35				3.74		2.48
ONNY	ONIBURY	S045507890		16.76	9.55				14.78	12.32	13.99
TEME	LUDLOW U/S CORVE	S050507520			80.77				85.80		77.90
CORVE	CULMINGTON	S049408210			4.06				0.03		0.16
CORVE	LUDLOW	S051007540			9.62				3.64		2.65
LEDWYCHE BK. LUDLOW	DOGDITCH BK D/S	S054007640			9.75				7.02		5.34
LEDWYCHE BK.	TENBURY U/S OF TEME	S057506820			10.00				8.30		6.64
KYRE BK.	TENBURY	S059706840			2.87				2.28		1.64
TEME	TENBURY	S059706850		120.00	107.00				101.54		86.75
TEME	TENBURY (MDF)	S059706850	191.00	129.00	94.10	76.40	83.60	70.60	105.10	86.30	86.30
CORN BK.	CLEE HILL	S060317555			1.56						
REA	HARDWICKFORGE	S066208210			11.32				8.66		6.94
REA	NEEN SOLLARS	S066407240			20.22				15.63		12.08
TEME	KNIGHTSFORD	S073405570	223.00	185.00	108.00				128.56		103.39
TEME	KNIGHTSFORD (MDF)	S073405570	249.00	154.00	129.00	118.00	112.00	80.50	156.20	119.20	105.80
LEIGH BK.	LEIGH COURT	S078205350			5.62				3.75		4.54
LAUGHERNE BK.	A4103	S082805390			2.42				2.10		1.18

TABLE 3
LOW FLOW SURVEY 1989 & 1990
AVON CATCHMENT : FLOWS IN MLD

River Name	Location	NGR	18/07/89	25/07/89	07/08/89	24/08/89	28/07/90	06/08/90	17/09/90
AVON	NORTH KILWORTH	SP62008200		5.10		7.26	3.40	2.58	
CLAYCOTTON BK.	LILBOURNE	SP56807740		1.64		1.30		0.55	
AVON	LILBOURNE	SP56307780		3.28		3.11	1.97	1.67	
AVON	BROWNSOVER U/S WKS.	SP52307660		6.91		6.00		4.34	
AVON	BROWNSOVER D/S WKS.	SP51307640		6.83		1.18		4.34	
SWIFT	RUGBY	SP50507750		1.56		1.61	0.61	0.21	
SWIFT	LUTTERWORTH	SP54508410		6.05		4.75	7.53	4.03	
SWIFT	CHURCHOVER	SP50508140		9.59		6.59			
AVON	RUGBY	SP50207760		10.02		10.93	2.90	5.21	
AVON	LITTLE LAWFORD	SP46907710		34.99		24.68	13.19	17.38	15.00
AVON	RYTON BRIDGE	SP36807530		45.06		39.63	21.44	25.40	23.62
AVON	STARETON	SP33267156		35.77		34.90	25.88	28.19	26.33
AVON	STARETON (MDF)	SP33267156	58.00	46.50	38.80	40.10	29.38	24.36	29.46
WITHY BK.	HIGH BRIDGE	SP38608070				2.38	1.94	1.45	1.91
SMITES BK.	PRIESTS BRIDGE	SP42208040		2.51		2.82	1.47	1.37	1.87
SMITES BK.	SOME BRIDGE	SP38007940		1.47		2.10	0.76	0.21	1.08
SOME	A423 RD BRIDGE	SP35807630		21.17					
SOME	A45 RD US SHERBOURNE	SP34607560				18.80		19.39	11.63
SOME	CLIFFORD BRIDGE A46	SP37708070		11.40		15.00	7.09	7.91	5.91
SOME	STONELEIGH (MDF)	SP33107300	181.00	124.00	126.00	119.00	117.59	121.13	118.37
SHERBOURNE	BAGINGTON	SP34307580		13.82		12.68	5.89	6.39	12.29
FINHAM BK.	KENILWORTH	SP30007290	5.44	3.54		3.66	3.64	2.63	2.68
AVON	WARWICK	SP29906530	263.00	145.00			65.58		
LEAM	THURLASTON BRIDGE	SP46806860	3.63	2.59		3.11	2.30	1.46	2.14
LEAM	MARTON	SP40606910	10.89	7.69		7.92	5.58	5.73	4.98
ITCHEN	SOUTHAM	SP40206160	2.07	1.81		1.62	0.92	0.92	1.08
ITCHEN	BISHOPS ITCHINGTON	SP39605840	0.52	0.26		0.10	0.21	0.11	0.30
ITCHEN	SNOWFORD BRIDGE	SP39306640	8.47	4.58		5.40	4.17	3.03	4.14
LEAM	EATHORPE	SP38806880	47.43	41.56		19.90	28.60	36.52	26.76
LEAM	EATHORPE (MDF)	SP38806880	50.50	38.40	29.00	34.50	36.46	36.20	30.50
LEAM	LEAMINGTON (MDF)	SP30706540	21.00	34.30	19.90	13.20	31.22	23.53	32.14
TACH BK.	NR.CONFL.AVON	SP29506350	4.41	3.97		3.75			3.07
DENE	WALTON HALL	SP29105080	2.33	1.21		0.92	2.29	1.18	
DENE	WELLESBOURNE	SP27305560	7.34			4.96	4.80	5.44	4.18
DENE	WELLESBOURNE (MDF)	SP27305560	5.40	4.30	3.90	3.40	4.92	4.84	3.46
STOUR (WORCS)	MITFORD BRIDGE	SP26203730	7.00	5.62		5.32	4.76	5.36	5.36
KNEE BK.	DITCHFORD FRIARY	SP23603770				11.98		6.78	
KNEE BK.	HIGH FURZE	SP25403760	12.18	8.12			7.21		
STOUR (WORCS)	SHIPSTON	SP26104040	20.22	14.69		17.04	12.48	14.30	11.27
STOUR (WORCS)	CLIFFORD CHAMBERS	SP19605290	22.12	14.08		17.05	11.33	12.34	9.84
MARCHFONT BK.	WESTON	SP16105156	0.52	0.35		0.71	0.73	0.31	0.73
ARROW	ALVECHURCH U/S WRW	SP03307180	3.63	3.54		3.53	3.69	3.75	
ARROW	REDDITCH IPSLEY	SP06106640		13.39			12.59	11.27	
ARROW	REDDITCH D/S IPSLEY	SP06506550	17.71			15.11			
ARROW	STUDLEY	SP07506370	17.54	16.07		16.36	13.20	14.64	

(CONTINUED)

TABLE 3
LOW FLOW SURVEY 1989 & 1990
AVON CATCHMENT : FLOWS IN MLD

River Name	Location	NGR	18/01/89	25/07/89	07/08/89	24/08/89	28/07/90	06/08/90	17/09/90
ARROW	ALCESTER	SP09205780	44.41			35.78	26.95	38.83	
ALNE	HENLEY IN ARDEN	SP15306530	5.01	4.92		5.28	2.53	3.89	
WOOTTON BK.	PETTIFORD BRIDGE	SP16106390	10.28	9.59		8.72	7.31	7.25	
ALNE	WOOTEN WAWEN	SP15506300	15.29	9.68		14.45	13.53	11.35	
EDSTONE BK.	HERMITAGE BRIDGE	SP16906120	3.54	0.09		3.34	1.95	1.88	
ALNE	GREAT ALNE U/S	SP13105950		20.05					
ALNE	GREAT ALNE	SP11805910	29.38				19.34	17.31	
ALNE	HOO MILL	SP10605780				24.81			
ARROW	BROOM	SP08705330		60.31		54.06	72.07	57.88	56.66
CLAY BK.	BLACKMINSTER	SP07204420	1.56	0.69		0.69	0.43	0.00	0.83
BADSEY BK.	OFFENHAM	SP06304490	8.64	4.67		7.34	3.47		3.55
BADSEY BK.	OFFENHAM (MDF)	SP06304490	5.60	3.80	4.50	5.10	3.80	3.54	4.41
ISBOURNE	WINCHCOMBE	SP02802880	6.31	5.79		5.27	4.79	4.34	3.82
ISBOURNE	WORMINGTON	SP03703640	8.64	6.74		5.44	5.95	4.79	5.51
ISBOURNE	HINTON	SP02304080	8.73	7.52		7.95	5.50	6.01	5.57
ISBOURNE	HINTON (MDF)	SP02304080	8.60	5.40	6.00	6.00	5.36	4.32	4.15
AVON	HAMPTON PARKS	SP03304470	376.00	483.00		386.00	297.90	244.40	356.08
PIDDLE BK.	WYRE PIDDLE	SO96204750	6.31	3.63		5.21	4.66	3.08	4.75
BOW BK. (TRIB. LB)	NORGROVE COURT	SP00606530			0.00				
BOW BK.	HAM GREEN	SP01406380			0.52	1.04			
HUNT END BK.	HUNT END	SP03406380			0.35				
HUNT END BK.	BUNKERS HOLE	SP02206270			0.52				
HUNT END BK.	BUNKERS HOLE	SP02006280				0.60			
BOW BK.	BUNKERS HOLE	SP01706280			1.30	1.64			
BOW BK.	FECKENHAM	SP00506150		2.25		1.30			2.60
BOW BK.	B4090	SP00506130			1.47				
BRANDON BK.	SHURNOCK COURT B4090	SO02806090			0.35				
BRANDON BK. (TRIB. RB)	ASTWOOD COURT	SP02906210			0.52				
BRANDON BK. (TRIB. RB)	B4090	SP02006110			0.60				
BRANDON BK.	BOW BK. U/S CONFL	SP00706020			0.86	0.60			
BOW BK.	PRIEST BDGE D/S WRW	SO99105990			3.28	3.80			
BOW BK.	PRIEST BDGE	SO98905990	4.32	5.18					4.20
BOW BK.	SHELL	SO95105970	7.86	5.62		7.02			7.99
BOW BK.	BESFORD	SO92704630	9.07	5.27		8.41	4.14	3.35	5.62
BOW BK.	BESFORD (MDF)	SO92704630	13.20	8.50	8.10	8.70	3.80	3.50	4.50
AVON	BREDON	SO92103730		298.00					
AVON	BREDON (MDF)	SO92103730	569.00	400.00	398.00	412.00	267.77	215.79	271.40
CARRANT BK.	MOTORWAY CULVERT	SP91803480	3.63						
CARRANT BK.	TEWKESBURY	SO89603300		2.42		2.68			
SWILGATE	TEWKESBURY	SO88903320	5.10	4.32		5.62			6.50

TABLE 4
LOW FLOW SURVEYS 1989 & 1990
LOWER SEVERN AND GLOUCESTER CATCHMENT : FLOWS IN MLD

River Name	Location	NGR	27/07/89	08/08/89	12/09/89	11/10/89	03/08/90	06/08/90	14/09/90
CAREYS BK.(TRIB)	LEIGH SINTON	S077905010		0.00					
CAREYS BK.(TRIB)	INTERFIELD	S077804990		0.00					
CAREYS BK.	BASTONFORD	S081205160		0.35					
CAREYS BK.	POWICK	S083305070	0.17	0.78	3.51		0.62		0.83
SEVERN	SAXONS LODGE (MDF)	S086303900	1151.00	1150.00	1182.00	1080.00	1135.21	1159.14	1117.92
LONGDON BK.	LONGDON	S083803680	4.84	3.97	5.05	5.30	2.83		2.76
SEVERN	MYTHE	S088803370				927.00			
SEVERN	HAW BRIDGE	S084402790	1547.00	1558.00	1526.00	1181.00	1297.24		1420.03
CHELT	SANDFORD	S095402150	7.15	2.85	1.79		1.32		1.87
CHELT	WITHY BRIDGE	S090402460	3.77	3.02	4.30		2.95		2.91
CHELT	SLATE MILL	S089202640			29.94	17.66	28.52		17.01
HATHERLEY BK.	LONGFORD	S084102140	8.28	10.03	13.73		8.42		6.75
HORSEBERE BK.	LONGFORD	S084002120	1.98	0.60	0.66		0.85		0.87
LEADON	LEDBURY	S069803730		2.16	3.43		1.37		1.21
GLYNCH BK.	CLENCHERS MILL	S073203500		0.00	0.24				
GLYNCH BK.	PEPPER MILL	S073703430			0.00				
GLYNCH BK.	MOTORWAY CULVERT M50	S075603300		0.00	0.00				
GLYNCH BK.	STANBROOK FM.	S077702800	1.47	0.86	1.41		1.06		1.31
ELL BK.	CLEEVE MILL	S073202620	1.64	2.16	3.66		3.83		3.69
LEADON	WEDDERBURN	S077602340	16.68	22.12	24.78	24.95	16.30		20.59
LEADON	WEDDERBURN BR. (MDF)	S077702340	21.60	21.00	24.50	25.60	21.17	19.69	21.68
SEVERN	GLOUCESTER OVER BDGE	S081601960	234.00	464.00	498.00	487.00	573.74		333.77
SEVERN	GLOUCESTER WESTGATE	S082501910	1375.00	1172.00	1118.00	973.00	1178.82		953.59
DIMORE BK.	QUEDGELEY	S080001390	0.13		0.09				
FROME	CHALFORD	S089200240		11.68	12.39		10.64		8.82
FROME	EBLEY	S082800440	80.49	73.46	61.88	53.11	54.83		48.67
CINDERFORD BK.	CINDERFORD	S065201080	0.17	1.12	1.43		1.24		0.99
PLUMMERS BK.	SOILWELL	S064600550		0.16					
PLUMMERS BK.	SOILWELL	S064600550		0.32					
PLUMMERS BK.	U/S A48	S065700460		0.31					

TABLE 5
LOW FLOW SURVEYS 1989 & 1990
UPPER TRENT CATCHMENT : FLOWS IN MLD

River Name	Location	NGR	05/07/89	18/07/89	28/07/89	23/08/89	26/09/89	02/08/90	14/08/90
TRENT	BROWN EDGE	SJ89685404			1.18				
TRENT	NORTON GREEN	SJ90115212			1.42				
SMALLTHORN BK.	FOXLEY BRIDGE	SJ89875010			1.97				
TRENT	STOKE	SJ89244671			8.94				
TRENT	STOKE (MDF)	SJ89244671	11.20	10.10	10.10	8.00	9.80	7.90	9.80
FOWLEA BK.	TUNSTALL	SJ85255062			0.35				
FOWLEA BK.	ETRURIA	SJ86604702			13.14				
LYME BK.	HANFORD	SJ86254280			12.47				
TRENT	STRONGFORD A34	SJ87303923			64.99				
TRENT	DARLASTON	SJ88543544			118.00		111.00		
TRENT	DARLASTON (MDF)	SJ88543544	143.00	137.00	130.00	124.00	136.00	133.00	120.00
SCOTCH BK.	STONE	SJ90803457			8.75				
GAYTON BK.	WESTON	SJ97412760			5.60				
TRENT	GREAT HAYWOOD	SJ99352308			198.00				
R. SOW	WALKMILL (MDF)	SJ79302980	6.20	5.40	3.80	3.10	3.60	3.20	3.30
BROCKTON BK.	BROCKTON	SJ82203125	2.33	1.99				1.24	
SOW	ECCLESHALL	SJ83102955	14.34	14.90				12.60	
MEECE BK.	STANDON	SJ82483503	4.49	3.37				1.19	
CHATCULL BK.	STANDON	SJ80703460	2.42	2.07				1.22	
MEECE BK.	MILL MEECE	SJ83363320	13.39	11.32				5.83	
MEECE BK.	NORTON BRIDGE	SJ86833065		13.82					
MEECE BK.	SHALLOWFORD	SJ87502908	19.53					8.40	
MEECE BK.	SHALLOWFORD (MDF)	SJ87502908	21.20	17.80	14.30	14.40	15.00	8.40	10.20
SOW	GREAT BRIDGEFORD	SJ88372693	43.89	39.48				25.01	
SOW	GT. BRIDGEFORD (MDF)	SJ88372693	39.90	37.20	30.80	29.50	32.40	21.60	21.50
GAMESLEY BK.	SEIGHFORD	SJ87752545	1.38	1.12				0.72	
DOXEY BK.	DOXEY BRIDGE	SJ89852375	5.01	3.89				3.12	
WROTTESLEY BK.	CODSALL	SJ87500415	2.51	2.02					
WROTTESLEY BK.	PENDEFORD	SJ89100350	8.21	8.52				10.24	
SARENDON BK.	DEEPMORE FARM	SJ92710822	4.32	5.62				6.08	
BREWOOD BK.	BREWOOD	SJ88750870	1.56	1.52				1.10	
PENK	SOMERFORD BRIDGE	SJ89530925	32.57	34.30				27.35	
DOLEY BK.	GNOSALL	SJ82792052	0.43	0.30				0.12	
CHURCH EATON BK.	MITTON	SJ88541528	7.60	5.88				3.90	
WHISTON BK.	MITTON MANOR	SJ88831474	2.42	1.81				3.20	
BOSCOMBE BK.	PENKRIDGE	SJ92301425	4.41	5.53				3.78	
PENK	PENKRIDGE	SJ92201445	43.73	48.82	45.19		45.91	39.18	
PENK	ACTON TRUSSEL	SJ93351754	81.59	74.68				48.87	
OLDACRE BK.	BROXTON (MDF)	SJ96102020	0.30	0.30	0.30	0.30	0.40	0.30	0.30
SOW	MILFORD	SJ97502155	202.00		144.00	160.00		153.09	
BOURN BK.	COLTON	SK04722029			3.19				
SLITTING MILL BK.	SLITTING MILL	SK03481734			2.85				
BLITHE	UPPER LEIGH	SK00653615			7.68				
BLITHE	NEWTON HURST	SK04852590			11.73				

TABLE 5
LOW FLOW SURVEYS 1989 & 1990
UPPER TRENT CATCHMENT : FLOWS IN MLD

River Name	Location	NGR	05/07/89	18/07/89	28/07/89	23/08/89	26/09/89	02/08/90	14/08/90
TAD BK.	BAGOTS BROMLEY	SK06002595			1.62				
BLITHE	HAMSTALL RIDWARE	SK10901910			38.63				
TRENT	YOXALL	SK13231772			378.00		398.00	428.96	
BOURNE BK.	HANCH	SK10521378			4.84				
BOURNE BK.	WHITACRE	SP21709140				2.42			3.09
SWARBOURNE	MEADOW LANE YOXALL	SK15201770		9.16	6.05		8.58		
PYFORD BK.	WOOD END	SK12971314			6.98				
TAME WILLENHALL ARM	WATERY LANE	S095229920				0.94			0.61
DARLASTON BK.	PORKETS BRIDGE	S096659718				2.53			0.92
TAME WILLENHALL ARM	JAMES BRIDGE	S098889752				36.53			22.38
TAME WILLENHALL ARM	JAMES BRIDGE (MDF)	S098889752	82.20	98.10	100.00	66.90	59.10	84.50	35.10
TAME	M6 JUNCTN 9	S099909640				30.41			14.90
FORD BK.	RUSHALL	SK02600110				6.83			7.96
FORD BK.	BROCKHURST	SP00509660				21.43			7.18
TAME OLDBURY ARM	IZONS LANE	S098989035				1.54			2.51
TIPTON BK.	TOLL END U/S WRW	S097569323				9.07			14.13
TAME OLDBURY ARM	SHEEPWASH	S097429220				12.42			
TAME OLDBURY ARM	PARK HILL	SP00109570				25.32			19.68
TAME OLDBURY ARM	PARK HILL (MDF)	SP00109570	40.30	35.90	32.60	26.40	25.10	25.70	22.20
TAME	BESCOT	SP01209580				78.11			58.16
TAME	BESCOT (MDF)	SP01209580	147.00	166.00	161.00	99.40	101.00	75.10	81.80
TAME	SANDWELL	SP02919262					135.00		
TAME	PERRY PARK	SP06009200				128.00			92.69
TAME	PERRY PARK (MDF)	SP06009200	174.00	192.00	194.00	194.00	181.00	123.00	193.00
REA	CALTHORPE PARK	SP07088469				17.63			36.28
REA	CALTHORPE PARK (MDF)	SP07088469	18.30	23.60	19.80	20.10	24.00	21.60	24.50
PLANTS BK.	PENNS LANE WALMLEY	SP12979312				5.62			5.18
TAME	WATER ORTON	SP16949141				228.00			258.00
COLE	MAJORS GREEN	SP09887733				1.30			0.88
COLE	SPRINGFIELD	SP09958208				4.75			3.47
KINGHURST BK.	CHELMSLEY WOOD	SP18038735				10.63			5.19
COLE	BACONS END	SP18338747				14.24			8.24
COLE	BACONS END (MDF)	SP18338747	17.50	17.90	16.10	14.80	15.70	12.10	19.30
BLYTHE	CHESWICK GREEN	SP12707540				1.12			
BLYTHE	BARSTON	SP20107750				5.01			5.09
CUTTLE BK.	TEMPLE BALSALL	SP20507620				2.16			1.18
TEMPLE BK.	TEMPLE BALSALL	SP20607620				1.30			1.02
BLYTHE	PATRICK BRIDGE	SP21508130				32.40			19.34
BLYTHE	CASTLE FARM	SP21258875				33.70	32.31		19.65
BLYTHE	WHITACRE	SP21209100				24.28	16.99		25.66
BLYTHE	WHITACRE (MDF)	SP21209100	30.10	26.70	30.50	31.40	27.60	27.50	
TAME TOTAL FLOW	LEA MARSTON	SP20749374				541.00	663.00		627.00
TAME TOTAL FLOW	LEA MARSTON (MDF)	SP20749374	702.00	698.00	607.00	641.00	615.00	594.00	601.00
LANGLEY BK.	MIDDLETON	SP17629810				2.95			3.11

(CONTINUED)

TABLE 5
LOW FLOW SURVEYS 1989 & 1990
UPPER TRENT CATCHMENT : FLOWS IN MLD

River Name	Location	NGR	05/07/89	18/07/89	28/07/89	23/08/89	26/09/89	02/08/90	14/08/90
CRANE BK.	CHESTERFIELD	SK1005057				4.30			6.35
FOTHERLEY BK.	LITTLE ASTON	SP09200180				1.88			2.25
FOTHERLEY BK.	SHENSTONE	SP10420460				11.58			10.13
BLACK BK.	SHENSTONE	SK11550490				13.03			14.21
BOURNE BK.	HINTS HALL BRIDGE	SK16080262		14.95			19.80		11.75
ANKER	BRAMCOTE BRIDGE	SP41418881				3.07			3.40
ANKER	A4254 NEW ROAD	SP38109160				12.10			10.70
ANKER	LEATHER MILL FM.	SP33909550				25.68			21.94
ANKER	ATHERSTONE AS	SP32529720				50.60			39.99
SENCE	KELHAM BRIDGE	SK40581203				4.18			5.20
SENCE	BILSTONE	SK36530515				10.03			5.60
SENCE	RATCLIFFE CULEY	SP32159960				15.01			9.23
PENMIRE BK.	GRENDON	SP27509968				1.77			1.05
ANKER	POLESWORTH	SK26290342				76.64			70.84
ANKER	POLESWORTH (MDF)	SK26290342	73.20	67.70	63.50	69.60	70.40	49.60	50.10
TAME	HOPWAS	SK18120520		815.00		798.00			
PACKINGTON BK.	PACKINGTON	SK35931442			2.97				
MEASE	MEASHAM	SK32701157			7.76		6.68		
HOOBOROUGH BK.	ACRESFORD	SK29911318			3.11				
MEASE	NETHERSEAL	SK28751276			14.14				
MEASE	STONES BRIDGE	SK26241144		17.19	15.29		17.38		
MEASE	HARLASTON	SK21501117			14.74				
TRENT	DRAKELOW	SK23902040					1395.00		
TRENT	DRAKELOW (MDF)	SK23902040	1287.00	1239.00	1072.00	990.00	1010.00	933.00	968.00
DARKLANDS BK.	STANTON U/S WRW	SK26711925					1.01		
DARKLANDS BK.	DRAKELOW	SK24522012			9.49				

(CONTINUED)

TABLE 6
LOW FLOW SURVEYS 1989 & 1990
DOVE AND CHURNET CATCHMENTS : FLOWS IN MLD

River Name	Location	NGR	19/07/89	08/08/89	12/09/89	28/09/89	05/10/89	24/07/90	03/08/90	16/08/90	18/09/90
DOVE	HOLLINSCLOUGH	SK06306680	4.04	2.90	2.12		2.57	3.96	2.93	3.58	3.00
DOVE	HARTINGTON	SK12056005	21.25	12.49	7.92		6.56	10.87	7.88	8.35	4.77
DOVE	IZAAK WALTON	SK14715092	70.83	51.74	46.47		42.62				
DOVE	IZAAK WALTON (MDF)	SK14715092	76.20	62.30	49.50	43.90	42.10	51.50	46.60	42.50	36.10
MANIFOLD	HULME END	SK10625958	12.06	5.62	7.15		7.15	12.03	9.04	8.29	7.68
HAMPS	WATERHOUSES	SK08445022	4.89	2.55	2.24		2.35	5.37	5.01	6.00	4.07
MANIFOLD	ILAM	SK13905075	67.48	38.47	45.39		39.02				
MANIFOLD	ILAM (MDF)	SK13905075	63.30	45.70	37.80	35.80	33.70	54.50	46.60	41.50	38.40
BRADBOURNE BK.	CALLOW	SK17224688	18.25	15.30	11.72		8.09	9.82	8.35	6.82	4.73
HENMORE BK.	CARSINGTON	SK23954995	1.90	1.09	1.93		2.26				
HENMORE BK.	CARSINGTON (MDF)	SK23954995	1.20	0.80	1.20	0.90			1.10	0.80	
HENMORE BK.	ASHBOURNE	SK17674632	7.86	4.80	5.80		6.02	3.77	3.14	4.46	3.94
DOVE	ROCESTER	SK11253970	198.00	133.00	125.00		121.00		127.32		125.54
CHURNET	TITTESWORTH	SJ99235810	19.48	22.89	7.79	7.36		15.33	16.80	16.05	17.45
CHURNET	BROADS BRIDGE	SJ97865716			19.34	14.71					
CHURNET	BRIDGE END	SJ97265718			12.23	11.73					
DINGLE BK.	COWHAY WOOD	SJ96195640			3.21	2.38					
CHURNET	LEEK A53 RD.BDGE	SJ97425529	20.83	23.93	15.65	12.26		23.20	16.91	13.42	26.01
CHURNET	LEEK U/S WRW	SJ97855455			16.20	13.96					
LEEK BK.	LEEK BROOK	SJ98605395			0.71	0.65					
CHURNET	JOSHUA WARDLE	SJ98055372			33.33	32.89					
CHURNET	BASFORD BRIDGE	SJ98305190	52.44	47.17	46.64	41.02		35.86	35.42		36.24
CHURNET	BASFORD BRIDGE (MDF)	SJ98305190	49.30	49.40	47.90	42.70	45.60	31.70	29.90	29.70	44.60
ENDON BK.	WALLGRANGE	SJ96595355	5.52	5.85	10.07	6.38		6.19	7.42	5.19	7.59
CHURNET	FROGHALL	SK02684675			54.11	53.91					
CHURNET	CONSALL FORGE D/S	SK00084860			63.23	48.27					
CHURNET	OAKMOOR	SK05294440			67.16	66.64					
CHURNET	ALTON	SK07164255	118.00	89.98	84.34	80.08	82.06	77.07	72.11	70.79	69.66
CHURNET	ROCESTER	SK10754000	99.95	93.83	86.51	69.78	79.55		60.41		54.59
CHURNET	QUIXHILL	SK10104111			89.55	84.09					
TEAN	FOLE	SK04543713	17.39	13.29	16.37		14.35	5.77	6.62	5.50	4.86
TEAN	CHECKLEY	SK02813765	10.25	8.97	10.43		9.56	6.69	5.11	5.69	5.37
TEAN	UTTOXETER	SK09223484	38.93	23.73	40.18		27.55	35.09	24.04	24.30	24.07
MARCHINGTON BK.	MARCHINGTON	SK13583070	3.82	3.63	3.78		3.57	3.16	2.73	3.74	2.74
FOSTON BK.	FOSTON	SK18863190	5.20	4.99	5.03		3.60	3.91	2.84	4.09	2.84
DOVE	MARSTON	SK23612888	379.00	319.00	299.00		274.00		251.22		217.37
DOVE	MARSTON (MDF)	SK23612888	373.00	314.00	303.00	276.00	278.00	285.00	251.00	268.00	243.00
ROLLESTON BROOK	ROLLESTON (MDF)	SK13502880	10.90	8.10	8.60	7.50	7.60	13.10	11.30	12.30	11.00
BRAILSFORD BK.	ARDSLEY	SK22443805	12.12	8.00	9.95		5.10	9.74	7.40	9.50	8.21
SHIRLEY BK.	LONGFORD	SK21913785	9.75	10.21	11.42		8.80	8.36		9.14	8.80
HILTON BK.	HILTON	SK24203055	22.22	19.55	23.41		21.91	22.17	15.45	24.36	19.66
DOVE	EGGINTON	SK26862705	264.00	196.00	249.00		144.00	150.55	217.45	187.36	173.14

TABLE 7
LOW FLOW SURVEYS 1989 & 1990
DERWENT CATCHMENT : FLOWS IN MLD

River Name	Location	NGR	27/06/89	26/07/89	07/09/89	27/09/89	10/10/89	17/10/89	25/05/90	26/07/90	15/08/90	07/09/90
DERWENT	YORKSHIRE BRIDGE	SK19808510	40.35	40.44	69.83	67.63	53.82	54.11		77.23		
DERWENT	YORKSHIRE BR. (MDF)	SK19808510	40.30	39.70	76.00	70.40	56.70	57.70	39.30	75.80	76.40	78.50
NOE	EDALE U/S DIVERSION	SK14608575	46.57	13.65	9.97	8.85		20.44		15.60	11.96	
NOE	HOPE D/S DIVERSION	SK16708470	25.23	23.67	23.04	22.95		17.82		21.09	23.54	
NOE	SHATTON U/S CONFL.	SK20308260				30.18		25.75		34.08	34.25	
STOKE BK.	STONEY MIDDLETON	SK23807530	4.58	3.80	2.27	2.09		1.60		2.53	2.06	
BAR BK.	BASLOW	SK25807215	6.91	6.31	5.52	4.60		3.00		3.76	3.58	
DERWENT	CHATSWORTH	SK25706580		118.97	131.26		125.64			156.99		
DERWENT	CHATSWORTH (MDF)	SK25706580	192.00	142.00	139.00	131.00	125.00	126.00	127.00	136.00	142.00	142.30
DERWENT	ROWSLEY U/S WYE CONF	SK25906570	144.20			123.62		104.54			138.00	
WYE	BUXTON U/S WRW	SK06507345						3.74	9.43	7.00	5.23	8.15
WYE	BUXTON D/S WRW	SK08007250		23.75				15.80	28.12	21.45	15.91	22.31
WYE	ASHWOOD DALE	SK08407250	58.15		20.93	13.90				25.65	17.60	25.05
WYE	WORMHILL SPRING U/S	SK12307350						10.47	37.22	19.74	14.98	28.82
WYE	WORMHILL SPRING D/S	SK12407350						24.17	55.05	33.20	30.72	49.01
WYE	MAGPIE SOUGH U/S	SK17906970						43.70		54.98	49.45	
MAGPIE SOUGH	ASHFORD	SK18006960	27.39	32.75	29.89	29.67		30.38	28.43	29.81	23.12	22.86
WYE	ASHFORD	SK18206960	133.14	103.85	90.05	79.05	78.33	75.50	117.07	83.69	77.90	82.27
LATHKILL	ALPORT	SK22106440	13.56		6.40	4.79		3.50		4.34	2.97	
BRADFORD	YOULGREAVE	SK20906400		7.55	0.99	2.10		1.14		1.43	1.30	
LATHKILL	PICKERING WOOD	SK23906840	15.80		5.50	2.64		1.11		1.59	0.00	
WYE	ROWSLEY	SK25106560		131.59	110.83	96.53		90.32	157.38	122.87	98.83	91.17
HILLCARR SOUGH	ROWSLEY	SK25906390				29.67		25.46		30.14	15.77	
BENTLEY BK.	MATLOCK	SK30105980	8.81	5.96	6.76	7.01		5.28		6.15	4.88	
DERWENT	MATLOCK BATH	SK29605860	350.78	335.66	293.03	276.75	239.54	248.96		299.49	281.20	
MEERBROOK SOUGH	WHATSTANDWELL	SK33105480	4.06	8.91	14.06	12.33		4.35		14.34	9.57	
AMBER	WOOLEY MOOR	SK36706100	5.96	3.97	3.02	3.78		3.53		3.46	2.00	
AMBER	HALLFIELD GATE	SK38605820	7.08	7.02	6.45	5.18		4.06		4.42	4.86	
ALFRETON BK.	ALFRETON	SK41505700	20.13	15.55	17.16	10.61		19.01		14.58	12.56	
ALFRETON BK.	TOADHOLE FURNACE	SK39005640	28.68	17.96	23.62	16.23		27.30		15.92	23.46	
AMBER	WINGFIELD PARK (MDF)	SK37505200	50.70	33.20	31.40	29.70	29.20	31.20	35.40	28.80	46.70	26.30
AMBER	WINGFIELD PARK	SK37505200		27.97	32.43	27.29	33.13	29.41		26.80	32.56	
HARTSHAY BK.	WINGFIELD PARK	SK37505180	5.26		4.58	4.16		4.92	5.51	5.33	8.16	
AMBER	AMBERGATE	SK34705170	48.38	40.82	40.44	36.55		32.99		28.87	59.57	
DERWENT	WHATSTANDWELL	SK33105440	419.13									
DERWENT	AMBERGATE	SK33805380	384.13	338.60	261.52	282.86		218.06		297.70	277.86	
DERWENT	DUFFIELD	SK35104355	550.02	465.87	389.25	421.13	331.20			400.89	421.80	
ECCLESBOURNE	IDRIDGEHAY	SK29004890	5.62	4.03	3.23	3.40		3.07		3.05	8.13	
ECCLESBOURNE	PUSS IN BOOTS	SK32004470	11.66	9.57	8.93	9.63		8.66		9.51		
BOTTLE BK.	LITTLE EATON	SK36404150	8.73	8.21	7.26	7.34		9.11		8.42	12.20	
DERWENT	DARLEY ABBEY	SK35403820				326.75						
DERWENT	DERBY ST.MARYS	SK36103600	457.32	370.31	304.36	333.16	290.17	285.11		349.53	358.34	
DERWENT	DERBY ST.MARYS (MDF)	SK36103600	493.00	377.00	333.00	342.00	296.00	296.00	323.00	351.00	400.00	344.00
MACKWORTH BK.	KIRK IRETON	SK28903900			0.11	0.10						
MACKWORTH BK.	KIRK LANGLEY	SK28953895	0.26	0.17						0.10	0.16	
MARKEATON BK.	MARKEATON	SK33203820	11.32	8.64	8.18	8.64		17.12		8.34	7.57	
DERWENT	DRAYCOTT	SK44503350	436.67	392.00	427.46	427.20	470.47	358.84		430.11	398.67	
DERWENT	CHURCH WILNE (MDF)	SK43803160	570.00	452.00	466.00	387.00	340.00	320.00	485.00	439.00	535.00	382.00

TABLE 8
LOW FLOW SURVEY 1989 & 1990
SOAR CATCHMENT : FLOWS IN MLD

River Name	Location	NGR	03/08/89	12/09/89	02/08/90	13/09/90
SOAR	SHARNFORD	SP47809190	2.85	2.56	2.11	2.18
SOAR	STONEY BRIDGE	SP50409300	6.39	5.62	3.25	3.07
ASTLEY BK.	BROUGHTON ASTLEY	SK52509260	3.02	2.38	1.25	2.21
THURLASTON BK.	HUNCOTE	SK51509740	10.54	8.88	5.02	4.54
SOAR	LITTLETHORPE	SP54109730	37.67	30.23	18.39	13.69
SOAR	LITTLETHORPE (MDF)	SP54109730	36.80	32.50	23.52	24.74
WHETSTONE BK.	WHETSTONE	SK55609710	1.43	1.73	0.00	0.00
SENCE	LITTLE STRETTON	SK66300020	0.78	1.10	0.35	0.58
FLECKNEY BK.	KIBWORTH BRIDGE	SP65909490	0.69	1.08	1.09	1.20
SENCE	WISTOW	SP62809560	4.41	4.68	1.87	1.79
COUNTTESTHORPE BK.	COUNTTESTHORPE	SP59409580	1.73	1.80	0.66	0.59
SENCE	SOUTH WIGSTON	SP58859770	21.29	20.09	13.51	6.51
SENCE	SOUTH WIGSTON (MDF)	SP58859770	15.80	13.00	10.59	9.56
HUMBERSTONE BK.	HUMBERSTONE PARK	SK61900505	3.18	2.19	1.81	2.34
KEYHAM BK.	BELGRAVE	SK60400730	0.54	0.66	0.00	0.00
SOAR	THURMASTON	SK60201110	26.61	17.15	11.91	8.20
WHISSENDINE BK.	STAPLEFORD PARK U/S	SK82501720	2.37	2.17	0.90	0.90
EYE(TRIB.)	SAXBY	SK82101940	3.39	3.11	2.64	2.13
EYE	BRENTINGBY	SK77401860	7.31	4.93	3.29	2.83
THORPE BK.	THORPE ARNOLD	SK76502015	1.60	1.43	1.00	0.94
SCALFORD BK.	SPINNEY FARM	SK76102170	2.74	1.92	1.50	1.05
KETTLEBY BK.	ASFORDBY	SK71701920	1.20	1.04	0.19	0.46
WREAKE	FRISBY	SK68601780	20.40			
WREAKE	BROOKSBY	SK66901640	21.70	16.00	14.58	10.88
QUENIBOROUGH BK.	NEW QUENIBOROUGH	SK64301320		0.78	0.11	
WREAKE	GATE HANGS WELL	SK62301285	20.12			
WREAKE	LEWIN BRIDGE	SK62251288		15.65		
WREAKE	SYSTON	SK61501240	36.12	22.01		
ROTHLEY BK.	MERRYLEAS	SK47200560	4.97	7.99	2.83	2.44
ROTHLEY BK.(TRIB)	DESFORD	SK47800420		0.72	0.33	0.66
ROTHLEY BK.(TRIB.)	KIRBY MUXLOE	SK52000510	7.77	10.47	3.74	5.48
ROTHLEY BK.	ANSTEY	SK56200990	13.82	21.04	8.50	9.81
ROTHLEY BK.	ROTHLEY	SK58101220	14.60	20.40	10.00	9.58
ROTHLEY BK.	ROTHLEY (MDF)	SK58101220	15.80	20.80	9.94	10.19
ROTHLEY BK.	A6 RD BRIDGE	SK59101340	16.45	21.96	10.46	10.70
LIN BK.	NEWTOWN LINFORD	SK51501020	1.43	1.53		0.79
QUORN BK.(TRIB.)	QUORN	SK55401680	0.62	0.60	0.42	1.53
SOAR	PILLINGS LOCK (MDF)	SK56501820	239.00	211.00	214.47	179.71
WOOD BK.	LOUGHBOROUGH U/S WRW	SK53102130	7.17	14.33		2.28
BLACKBROOK	ONE BARROW	SK46601700	0.78	0.79	0.67	0.28
GRACE DIEU BK.	BELTON	SK45902100	9.42	6.05	4.43	11.46
BLACKBROOK	SHEPSHED	SK48802080	10.80	7.82	6.29	14.44
KINGSTON BK.	KINGSTON ON SOAR	SK50302770	1.81	1.45	2.56	0.69
SOAR	RATCLIFFE FORD	SK49602930	314.00	284.00	16.45	211.44

TABLE 9
LOW FLOW SURVEYS 1989 & 1990
LOWER TRENT CATCHMENT: FLOWS IN MLD

River Name	Location	NGR	19/07/89	08/08/89	22/08/89	25/08/89	11/09/89	14/09/89	16/10/89	07/08/90	05/09/90
REPTON BK.	REPTON	SK30302730		4.92							5.46
BREEDON BK.	BREEDON	SK41102320		0.00							0.16
WILSON BK.	WILSON	SK40302440		0.00							
TRENT	SHARDLOW	SK44303030		1265.00							1244.67
EREWASH	KIRKBY U/S WRW	SK49005490	1.04				0.92		0.86		1.39
EREWASH	PINXTON KIRKBY PK FM	SK46435470						12.10			
EREWASH	PINXTON U/S WRW	SK45605440		6.83			9.40				7.78
EREWASH	PYE BRIDGE	SK44315280							14.16		
EREWASH	JACKSDALE	SK44355147							15.71		
EREWASH	PYE BRIDGE D/S ST/FD	SK44704960		24.80			17.88				12.54
EREWASH	MILNHAY U/S WRW	SK45704660		3.97			4.22		5.64		1.20
EREWASH	GILTBROOK U/S WRW	SK46304550		15.38			14.47		19.98		9.72
GILTBROOK	NEWTORPE D/S WRW	SK47504440							13.78		
EREWASH	ILKESTON	SK47334245							25.18		
EREWASH	HALLAM FIELDS U/S	SK47704050		37.76			30.39				19.01
EREWASH	TROWELL	SK47764050							22.36		
EREWASH	STANTON GATE	SK48403860							45.89		
EREWASH	SANDIACRE	SK48303650		44.06			45.72		37.77		46.35
PASTURE LANE DYKE	SANDIACRE	SK48523505							7.15		
EREWASH	TOTON	SK50253422					59.43		39.33		54.32
EREWASH	TOTON U/S WRW OUTFLO	SK50753360		54.90							
TOTON WRW	OUTFALL (TOTAL FLOW)	SK50903370		16.03			13.28		20.39		13.23
FAIRHAM BK.	CLIFTON	SK56003620		6.71							4.69
LEEN	PAPPLEWICK LIDO U/S	SK54805012		9.32							7.14
LEEN	BESTWOOD	SK54754750		8.52							15.22
LEEN	BULWELL MARKET	SK54054505		12.18							9.05
LEEN	VERNON RD	SK54954345		17.78							12.04
DAY BK.	LEEN CONFL IMMED U/S	SK55204305		2.02							
LEEN	TRIUMPH RD	SK55003940		11.40			13.75				13.61
TRENT	COLWICK	SK62003990		1744.00	1975.00						2309.45
TRENT	COLWICK (MDF)	SK62003990	2273.00	2118.00	1972.00	2102.00	2067.00	2217.00	1951.00	1866.00	1964.00
DOVER BECK	LOWDHAM	SK65274798		3.28		4.11					2.32
DOVER BECK	LOWDHAM (MDF)	SK65274798	4.10	3.20	3.80	4.70	3.80	3.70	3.50	2.59	4.23
DOVER BECK	CAYTHORPE	SK68604560				4.39					3.73
GREET (TRIB)	KIRKLINGTON	SK68505740				0.69					
GREET (TRIB)	KIRKLINGTON	SK67705730				2.60					3.94
GREET (TRIB)	KIRKLINGTON	SK67705680				0.00					
GREET (TRIB)	KIRKLINGTON	SK68405700				3.11	3.76				
HALAM DUMBLE	MAYTHORNE	SK68705570				1.60	1.63				
GREET	MAYTHORNE	SK69705550				4.16					5.88
GREET	SOUTHWELL	SK71555395		7.43		6.32	8.14				7.18
HALLLOUGHTON DUMBLE	ROLLESTON	SK73605240		2.59							0.84
DEVON	WOOLSTHORPE	SK83603420		1.99			1.69				0.94
DEVON	BOTTESFORD	SK80603900		1.73			1.51				0.71

(CONTINUED)

TABLE 9
LOW FLOW SURVEYS 1989 & 1990
LOWER TRENT CATCHMENT: FLOWS IN MLD

River Name	Location	NGR	19/07/89	08/08/89	22/08/89	25/08/89	11/09/89	14/09/89	16/10/89	07/08/90	05/09/90
SMITE	WHATTON	SK72853865		3.28			4.92				3.10
WHIPLING	WHATTON	SK75203850		1.04			1.33				0.26
DEVON	WENSOR BRIDGE	SK78654575	12.96	11.23	9.24		12.10			4.47	6.78
CARR DYKE	ELSTON	SK77404840		6.22			7.45				8.10
TRENT	NORTH MUSKHAM	SK80406060	2406.00	2211.00							2087.00
TRENT	NORTH MUSKHAM (MDF)	SK80406060	2136.00	2106.00	1999.00	2092.00	2049.00	2219.00	2073.00	2021.00	2022.00
NORWELL BECK	NORWELL	SK78106180		2.22							
GRASSTHORPE BECK	GRASSTHORPE	SK79706770		3.53							3.40
LANEHAM BECK	LANEHAM	SK80207600		3.29							3.21
MAUN	SUTTON FOREST SIDE	SK51005910	2.42		2.01			2.03		2.52	
MAUN	MANSFIELD WRW U/S	SK54806210	18.23		16.49			23.93		16.07	
MAUN	MANSFIELD WRW D/S	SK54706260	42.94		21.23			35.71		39.83	
MAUN	OLD CLIPSTONE	SK60206500	34.56		26.60			48.45		39.44	
VICAR WATER	OLD CLIPSTONE	SK60506480	0.26		0.20			0.17			
MAUN	BLACK HILLS FM.	SK63506680	30.33		27.53			54.02		22.67	
RAINWORTH WATER	OLLERTON	SK64906690	1.81		3.37			6.98		0.75	
MAUN	WHITEWATER	SK66207020	38.71		27.91			45.48		22.21	
MAUN	HAUGHTON	SK68307280	13.22		12.36			16.30		5.28	13.24
BEVERCOTES DYKE	BEVERCOTES	SK69907280		0.00	1.95			3.61		2.59	
MAUN	WEST DRAYTON	SK71207420	12.36		12.32			15.07			
MEDEN	SKEGBY/TEVERSAL	SK49106170	0.35		0.23			2.99		0.20	
MEDEN	PLEASLEY	SK50506430			3.56			6.32			
MEDEN	PLEASLEY VALE	SK50906490	9.33		6.17			6.53		7.66	
MEDEN	SOOKHOLME	SK55006640	19.53		17.45			10.51		19.28	
MEDEN (TRIB)	SPION KOP	SK55606660	9.42		6.81			8.95		4.45	
MEDEN	WARSOP	SK55906800	29.46		26.27			20.93		30.87	
MEDEN	GLEADTHORPE	SK59707030	37.32		34.03			37.50		34.73	
MEDEN	PERLETHORPE	SK64907120	31.45		28.95			44.44		25.47	
MEDEN	BOTHAMSALL	SK68107330	42.08		41.56			63.93		51.13	49.52
MEDEN	WEST DRAYTON	SK70307510	46.66		23.98			69.17		53.38	
POULTER	UPPER LANGWITH	SK52206970	2.59		1.58			1.81		1.55	
POULTER	LANGWITH MILL	SK54607029	10.80		10.47			9.39		11.67	
POULTER	CUCKNEY	SK56007120	19.96		16.23			10.90		14.02	
POULTER	GREAT LAKE U/S	SK57807230	16.93		15.61			20.31		14.34	
MILLWOOD BK.	SLOSHICKS FARM	SK55857535	9.42		6.81			8.95		7.99	
POULTER	CARBURTON	SK60707280	20.42		15.81			19.59		16.38	
POULTER	ELKESLEY	SK68507495	9.42		12.72			28.71		10.13	
POULTER	TWYFORD BRIDGE	SK69707510	11.15		12.78			31.96		13.56	
IDLE	GAMSTON BRIDGE	SK70807640	69.21		69.19			130.00		66.78	
IDLE	ORDSALL	SK70507960	83.50	73.27	69.80			122.00		70.49	
IDLE	CHAIN BRIDGE LANE	SK71308570	97.60	77.70	56.80			118.00		62.57	
IDLE	MATTERSEY	SK69008950	100.00		63.20			135.00		42.32	89.10
IDLE	MATTERSEY (MDF)	SK69008950	84.20	73.70	79.20	70.90	104.00	147.00	123.00	49.77	76.18
IDLE	SCAFTWORTH	SK66309160	75.69		68.14					62.34	

(CONTINUED)

TABLE 9
LOW FLOW SURVEYS 1989 & 1990
LOWER TRENT CATCHMENT: FLOWS IN MLD

River Name	Location	NGR	19/07/89	08/08/89	22/08/89	25/08/89	11/09/89	14/09/89	16/10/89	07/08/90	05/09/90
RYTON	HARD BRIDGE	SK49508255	4.32		2.87			3.32		1.51	
RYTON	THORPE BRIDGE	SK51708230	2.68		2.24			2.09		1.00	
RYTON	ANSTON BRIDGE U/S	SK53608220	2.25		2.62			2.32			
RYTON	LINDRICK DALE	SK54008225	8.21							1.50	
ANSTON BK.	ANSTON STONES WOOD	SK53808280			6.54			5.48			
ANSTON BK.	LINDRICK DALE	SK54008240	4.67								
RYTON BK.	LINDRICK DALE	SK54008220			10.20			7.45			
RYTON	MONKS BRIDGE	SK54608220	4.06		3.06			7.39		1.67	
RYTON	SHIREOAKS	SK55708060	8.04		4.24			4.94		3.92	
RYTON	LADY LEE	SK56307940	8.81		5.14			6.72		6.58	
RYTON	WORKSOP U/S WRW	SK60407885						2.02		4.15	
RYTON	WORKSOP D/S WRW	SK60207890	18.84		25.28						
RYTON	SCOFTON D/S MNTN.WRW	SK63108030	25.40		25.95					17.05	
RYTON	SCOFTON FORD	SK63108035						27.07			
MALTBY DYKE	MALTBY WRW (D/S)	SK54009020	14.08		18.03			13.21		11.19	
HOOTON BK.	ROCHE ABBEY	SK53808940	2.94		3.15			3.06		1.70	
OLDCOATES DYKE	FIRBECK	SK56408930	14.77		10.52			10.02		8.67	
LAMBLANE DYKE	FIRBECK	SK56508850	1.38		1.83			1.56		1.14	
OLDCOATES DYKE	OLDCOATES	SK59408840	10.20		9.19			10.01		8.54	
HODSOCK BK.	BLYTH	SK61008690	5.62		4.83			8.29		5.07	
OLDCOATES DYKE	BLYTH	SK61508755	23.40		16.40			22.20		15.67	
RYTON	BLYTH	SK63108720	43.98		37.14			48.83		37.33	34.95
RYTON	BLYTH (MDF)	SK63108720	29.00	26.40	22.30	33.10	42.70	46.40	47.80	26.44	33.00
RYTON	SERLBY PARK	SK63908970	45.96		34.21			51.89		29.45	
RYTON	SCROOBY	SK64859155	58.75		35.22			65.78		35.31	
IDLE	BAWTRY	SK65609320	164.00								
FLECKNEY BK.	KIBWORTH BRIDGE	SK65909490					1.08			1.09	
TORNE	STYRRUP	SK59309030		0.52						0.00	
PAPERMILL DYKE	CLAYCROFT BRIDGE	SK57009250		1.52						0.90	
PAPERMILL DYKE	TICKHILL	SK58809280		6.54						5.43	
TORNE	SPITAL HILL	SK60709320		12.67						10.70	
TORNE	SHEEPWASH BRIDGE	SK61109410		13.16						11.36	
COUNTSTHORPE BK.	COUNTSTHORPE	SK54909580					1.80			0.66	
WORMSWORTH BECK	SPRINGWELL LANE	SK56209940		3.20							
WORMSWORTH BECK	NEW INGS	SK58509820		9.94							
TORNE	ROSSINGTON BRIDGE	SK62959969		22.80						23.54	
MOTHER DRAIN	ROSSINGTON BRIDGE	SK62959970		7.08						0.00	
TORNE	AUCKLEY	SE64600120	37.80	31.40	25.70	27.60	32.00	31.40	29.10	25.34	
TORNE	TORNE BRIDGE A614	SK67800345		27.97						20.03	

C.PROCESSED FLOW DATA.

The majority of processed flow data are derived by the traditional method of converting 15 minute river level data using a rating equation derived from a set of current meter gaugings or a theoretical equation for a structure. However, a growing number of sites are using ultrasonic or electromagnetic methods to derive flows directly on site. Both levels and on site flows are stored in solid state loggers connected to telemetry. These are interrogated nightly by a computer based scanning system at Regional Headquarters.

Producing acceptably accurate processed flow data is particularly difficult during exceptionally low flows. Some station records are still being reassessed and must be regarded as provisional. These are not included in the table or graphs.

1. MONTHLY MEAN FLOWS FOR SELECTED SITES.

Table 10 (page 51) shows long term monthly mean flows for thirty stations throughout the region out of the total of 100 stations which are processed to flows. The mean flow for 1990 is also given together with a percentage comparison with the long term mean. Whilst the stations chosen are generally the more reliable ones at low flows, systematic errors are always greater at flow extremes and the data should be used with care. The data are presented in megalitres per day expressed to one decimal place although their accuracy is site dependent. The sites are in downcatchment order starting at the top of the R. Severn. Further information on site location is given in the level and flow station catalogue (table 13, starting page C2) and figure 35 (page C9).

2. ANNUAL HYDROGRAPHS AND FLOW DURATION CURVES.

Fourteen stations have been selected for plotting as annual hydrographs to demonstrate flow variations throughout the year. These are shown in figures 2 to 15 (starting page 55). Flow duration curves are also shown comparing 1990 with the whole of the flow record. Most of the catchments shown are affected to varying degrees by river regulation, abstraction and other artificial influences although the R. Dove to Izaak Walton is virtually natural and the R. Rea at Hookagate only slightly less so. The site locations are shown in figure 1 (page 54).

All the flow duration curves demonstrate the dryness of the year compared to the long term average. However, they also show that for most sites the frequency of high flows was higher than normal, reflecting the very wet January and February and associated flooding.

TABLE 10

MONTHLY MEAN FLOWS FOR SELECTED SITES FOR 1990 COMPARED WITH LONG TERM AVERAGES

All Flows in Mld

Site		Jan	Feb	March	April	May	June	July	August	Sept	Oct	Nov	Dec	Year
R. Dulas at Rhos-y-Pentref 1970 to 1990 Station No. 2025	LTA 1990 % COMP	233.5 328.7 140.8	198.0 363.9 183.8	160.5 90.0 56.1	94.9 37.5 39.5	51.5 16.1 31.3	36.6 9.6 26.2	18.5 19.9 107.6	36.1 3.9 10.8	56.4 11.6 20.6	139.1 158.9 114.2	201.8 202.8 100.5	222.8 195.3 87.7	120.5 118.4 98.3
R. Tanat at Llanyblodwel 1974 to 1990 Station No. 2038	LTA 1990 % COMP	1008.4 1363.6 135.2	887.6 1854.5 208.9	773.4 460.2 59.5	459.4 188.1 40.9	276.8 89.1 32.2	192.4 65.6 34.1	112.8 128.8 114.2	180.7 35.6 19.7	276.2 56.6 20.5	598.8 339.0 56.6	842.1 549.6 65.3	1047.9 1190.2 113.6	553.4 519.2 93.8
R. Perry at Yeaton 1964 to 1990 Station No. 2020	LTA 1990 % COMP	249.6 320.9 128.6	241.0 433.0 179.7	203.3 157.2 77.3	152.2 91.7 60.2	119.2 57.5 48.2	80.8 47.8 59.2	62.1 40.5 65.2	60.3 33.8 56.1	60.6 32.8 54.1	97.0 41.6 42.9	146.9 59.9 40.8	227.8 128.0 56.2	141.3 118.5 83.9
Rea Bk. at Hookagate 1963 to 1990 Station No. 2018	LTA 1990 % COMP	288.1 417.8 144.9	278.2 534.5 192.1	248.1 148.8 60.0	148.7 62.2 41.8	110.3 40.5 36.7	59.5 31.9 53.6	49.5 23.9 48.3	39.6 17.7 44.7	50.7 18.3 36.1	94.2 30.6 32.5	155.0 92.1 59.4	267.2 228.7 85.7	148.6 134.9 90.8
R. Tern at Walcot 1961 to 1990 Station No. 2012	LTA 1990 % COMP	966.6 1279.8 132.4	897.8 1328.2 147.9	768.2 582.4 75.8	637.4 374.9 58.8	548.1 250.8 45.8	392.6 221.3 56.4	332.1 188.5 56.8	333.7 167.5 50.2	337.9 203.7 60.3	444.1 261.2 58.8	635.8 353.8 55.6	897.1 655.2 73.0	598.1 484.2 81.0
R. Worfe at Burcote 1970 to 1990 Station No. 2024	LTA 1990 % COMP	164.4 202.3 123.1	164.5 239.7 145.7	145.3 114.7 78.9	127.4 73.8 57.9	90.3 44.7 49.5	72.0 41.5 57.6	51.0 26.3 51.6	55.1 23.8 43.2	56.3 33.6 59.7	72.2 51.1 70.8	94.3 61.3 65.0	131.0 89.7 68.5	101.7 82.6 81.2
Dowles Bk at Oak Cottage 1972 to 1990 Station No. 2034	LTA 1990 % COMP	70.1 97.4 138.9	70.1 122.7 175.0	59.3 24.0 40.5	39.6 10.0 25.3	26.2 6.3 24.0	16.7 4.4 26.3	7.6 2.4 31.6	5.6 1.9 33.9	10.8 1.7 15.7	18.1 4.6 25.4	23.5 6.0 25.5	58.4 22.4 38.4	33.7 24.7 73.3
R. Severn at Bewdley GS 1922 to 1990 Station No. 2001	LTA 1990 % COMP	9908.6 12056.0 121.7	8904.3 18714.0 210.2	6437.4 5371.1 83.4	4593.8 1921.4 41.8	3326.7 1097.8 33.0	2544.6 1004.3 39.5	1983.7 1232.9 62.2	2414.2 989.5 41.0	3142.2 930.3 29.6	4712.3 2825.5 60.0	7776.7 5395.9 69.4	8771.5 6657.8 75.9	5359.2 4763.6 88.9
R. Stour at Kidderminster 1954 to 1990 Station No. 2167	LTA 1990 % COMP	320.1 390.6 122.0	302.9 525.4 173.5	287.3 229.6 79.9	249.5 197.1 79.0	226.4 201.4 89.0	209.6 234.0 111.6	192.5 190.7 99.1	202.6 161.1 79.5	201.8 148.0 73.3	220.4 216.1 98.0	254.5 177.8 69.9	300.8 225.2 74.9	247.2 239.7 97.0
R. Teme at Tenbury 1957 to 1990 Station No. 2008	LTA 1990 % COMP	2453.7 3517.0 143.3	2215.9 5025.2 226.8	1839.5 1154.3 62.8	1284.5 397.4 30.9	889.5 239.9 27.0	517.7 178.3 34.4	353.4 133.4 37.7	344.6 97.1 28.2	509.1 92.9 18.2	957.0 178.6 18.7	1437.8 713.2 49.6	2153.8 1404.4 65.2	1242.5 1070.2 86.1

TABLE 10 (CONTINUED)

MONTHLY MEAN FLOWS FOR SELECTED SITES FOR 1990 COMPARED WITH LONG TERM AVERAGES (CONTINUED)

All Flows in Mld

Site		Jan	Feb	March	April	May	June	July	August	Sept	Oct	Nov	Dec	Year
R. Avon at Stareton 1963 to 1990 Station No. 2019	LTA	387.0	393.9	362.3	246.7	177.6	119.8	85.8	89.0	85.0	135.1	205.0	348.2	218.9
	1990	343.5	711.5	138.9	94.4	45.9	60.5	41.6	33.3	35.8	76.2	80.5	157.9	148.0
	% COMP	88.8	180.6	38.3	38.3	25.8	50.5	48.5	37.4	42.1	56.4	39.3	45.3	67.6
R. Sowe at Stoneleigh 1953 to 1990 Station No. 2004	LTA	374.6	378.5	318.5	261.1	225.4	201.3	165.7	175.7	171.6	209.3	264.5	340.4	256.7
	1990	401.9	606.1	204.7	174.0	146.4	161.9	139.7	134.1	130.5	203.8	172.5	356.9	233.8
	% COMP	107.3	160.1	64.3	66.6	65.0	80.4	84.3	76.3	76.0	97.3	65.2	104.8	91.1
R. Avon at Evesham 1937 to 1990 Station No. 2002	LTA	2443.0	2424.5	1945.3	1318.5	985.4	750.8	567.1	582.1	579.4	808.2	1488.3	1958.0	1315.7
	1990	2548.8	5110.1	1122.1	741.4	493.5	492.1	400.5	379.6	438.9	616.8	516.6	1406.5	1163.7
	% COMP	104.3	210.8	57.7	56.2	50.1	65.5	70.6	65.2	75.8	76.3	34.7	71.8	88.4
R. Severn at Haw Bridge 1972 to 1990 Station No. 2057	LTA	17247.2	16959.7	13633.8	9280.5	5793.4	4507.7	2811.9	3429.6	3823.1	7048.8	10238.3	15224.8	9132.0
	1990	19939.4	40595.9	10383.9	4116.3	2787.9	2412.8	2155.3	2305.3	2233.8	5296.8	8979.2	11506.8	9190.6
	% COMP	115.6	239.4	76.2	44.4	48.1	53.5	76.6	67.2	58.4	75.1	87.7	75.6	100.6
R. Trent at Stoke 1969 to 1990 Station No. 4040	LTA	98.8	82.6	71.9	59.1	40.8	36.0	26.5	38.3	31.1	46.1	76.4	86.4	57.7
	1990	99.6	109.0	37.0	23.6	16.3	18.8	15.1	13.3	24.3	33.6	67.2	84.2	44.7
	% COMP	100.8	132.0	51.5	39.9	40.0	52.2	57.0	34.7	78.1	72.9	88.0	97.5	77.5
R. Tame at Bescot 1983 to 1990 Station No. 4081	LTA	285.3	273.9	233.8	285.2	210.3	215.9	196.4	200.2	175.0	201.6	235.7	271.8	231.8
	1990	278.0	409.9	170.0	137.1	121.8	131.9	108.1	100.7	98.3	140.0	135.1	214.1	168.9
	% COMP	97.4	149.7	72.7	48.1	57.9	61.1	55.0	50.3	56.2	69.4	57.3	78.8	72.9
R. Rea at Calthorpe Park 1968 to 1990 Station No. 4039	LTA	102.2	92.5	88.2	69.2	58.9	57.7	44.9	56.2	52.5	59.0	73.3	95.9	70.8
	1990	111.3	151.9	41.1	37.3	27.6	43.5	28.0	30.8	27.6	69.1	52.6	96.9	59.3
	% COMP	108.9	164.2	46.6	53.9	46.9	75.4	62.4	54.8	52.6	117.1	71.8	101.0	83.8
R. Cole at Coleshill 1974 to 1990 Station No. 4066	LTA	126.4	126.4	110.5	82.5	66.4	64.6	42.7	51.7	51.9	66.1	82.0	124.2	82.8
	1990	162.5	222.1	56.2	38.2	25.4	39.4	23.2	23.4	23.3	56.8	42.9	113.4	68.0
	% COMP	128.6	175.7	50.9	46.3	38.3	61.0	54.3	45.3	44.9	85.9	52.3	91.3	82.1
R. Trent at Drakelow 1967 to 1990 Station No. 4019	LTA	4682.3	4626.4	3930.5	3164.0	2769.7	2388.8	1968.9	2073.0	1905.9	2275.2	2978.8	3943.2	3052.1
	1990	4721.8	6818.9	2749.9	1809.8	1485.9	1753.7	1469.0	1231.4	1284.0	1845.3	2096.6	3710.0	2555.8
	% COMP	100.8	147.4	70.0	57.2	53.6	73.4	74.6	59.4	67.4	81.1	70.4	94.1	83.7
R. Dove at Izaak Walton 1970 to 1990 Station No. 4046	LTA	272.0	269.9	247.1	205.2	142.1	112.1	87.0	85.8	83.0	121.1	184.1	227.4	169.2
	1990	251.1	359.3	220.8	128.5	87.6	71.0	61.0	46.5	46.0	83.5	164.5	212.6	143.1
	% COMP	92.3	133.1	89.4	62.6	61.6	63.3	70.1	54.2	55.4	69.0	89.4	93.5	84.6

TABLE 10 (CONTINUED)

MONTHLY MEAN FLOWS FOR SELECTED SITES FOR 1990 COMPARED WITH LONG TERM AVERAGES (CONTINUED)

All Flows in Mld

Site		Jan	Feb	March	April	May	June	July	August	Sept	Oct	Nov	Dec	Year
R. Manifold at Ilam 1969 to 1990 Station No. 4031	LTA	537.8	449.0	432.2	321.4	204.3	164.2	124.9	158.8	146.2	255.0	426.6	467.4	306.7
	1990	554.1	639.5	273.6	138.2	81.8	91.8	87.0	50.2	70.8	234.4	422.1	463.6	256.6
	% COMP	103.0	142.4	63.2	43.0	40.0	55.9	69.7	31.6	48.4	91.9	98.9	99.2	83.7
R. Dove at Marston 1966 to 1990 Station No. 4018	LTA	2020.0	1847.5	1541.5	1266.3	995.2	737.6	589.8	620.4	612.3	956.5	1434.9	1752.4	1195.0
	1990	1951.1	2446.5	1163.1	677.6	439.8	445.9	377.1	281.3	331.9	614.1	1297.3	1595.3	959.3
	% COMP	96.6	132.4	75.5	53.5	44.2	60.5	63.9	45.3	54.2	64.2	90.4	91.0	80.3
R. Derwent at Matlock 1959 to 1990 Station No. 4011	LTA	1898.0	1694.4	1519.5	1258.1	834.4	596.0	486.7	469.1	579.5	865.5	1246.5	1705.9	1093.5
	1990	1656.2	2587.9	1265.6	516.9	354.6	298.6	285.8	264.6	253.6	435.6	825.2	1596.1	851.8
	% COMP	87.3	152.7	83.3	41.1	42.5	50.1	58.7	56.4	43.8	50.3	66.2	93.6	77.9
R. Amber at Wingfield Park 1972 to 1990 Station No. 4048	LTA	194.0	200.8	168.8	128.8	84.7	73.0	50.3	50.3	46.5	77.2	105.2	173.0	112.3
	1990	198.2	303.2	100.9	47.2	37.5	41.0	34.6	31.7	33.5	68.2	78.4	235.3	99.7
	% COMP	102.2	151.0	59.8	36.6	44.3	56.2	68.8	63.0	72.0	88.3	74.5	136.0	88.8
R. Derwent at Derby St. Mary's 1936 to 1990 Station No. 4085	LTA	2582.9	2484.3	1960.5	1560.0	1068.5	877.4	741.4	773.7	876.7	1168.0	1825.7	2233.4	1507.9
	1990	2197.9	3484.8	1561.0	626.6	406.9	401.4	389.2	367.3	354.5	567.1	922.1	2096.2	1101.0
	% COMP	85.1	140.3	79.6	40.2	38.1	45.7	52.5	47.5	40.4	48.6	50.5	93.9	73.0
R. Soar at Littlethorpe 1972 to 1990 Station No. 4082	LTA	230.1	233.0	199.3	135.2	100.5	82.2	45.4	52.2	47.3	75.7	104.4	201.1	125.1
	1990	205.4	333.8	83.5	49.0	35.0	34.8	25.7	27.9	29.5	46.6	55.3	117.7	85.5
	% COMP	89.3	143.3	41.9	36.2	34.8	42.3	56.6	53.4	62.4	61.6	53.0	58.5	68.3
R. Sence at South Wigston 1972 to 1990 Station No. 4086	LTA	166.8	170.5	143.1	97.3	59.1	51.1	30.3	37.2	27.1	53.7	74.5	149.8	88.0
	1990	133.6	235.5	50.6	22.4	15.3	16.0	11.8	11.2	10.4	27.4	35.1	65.4	51.7
	% COMP	80.1	138.1	35.4	23.0	25.9	31.3	38.9	30.1	38.4	51.0	47.1	43.7	58.8
R. Wreake at Syston 1968 to 1990 Station No. 4024	LTA	485.9	523.4	415.3	307.3	184.3	99.4	78.4	73.4	67.2	116.4	194.3	373.9	242.0
	1990	371.4	761.7	213.1	78.0	52.5	60.9	43.0	41.4	35.6	51.9	79.4	162.4	158.8
	% COMP	76.4	145.5	51.3	25.4	28.5	61.3	54.8	56.4	53.0	44.6	40.9	43.4	65.6
Rothley Bk. at Rothley 1974 to 1990 Station No. 4056	LTA	112.8	134.9	115.6	79.9	58.8	40.9	27.1	29.8	26.4	44.7	48.9	98.1	67.6
	1990	106.4	203.6	49.2	24.9	17.4	24.3	26.1	13.7	12.8	26.8	32.1	93.9	51.7
	% COMP	94.3	150.9	42.6	31.2	31.2	59.4	96.3	46.0	48.5	60.0	65.6	95.7	76.5
R. Trent at Colwick 1959 to 1990 Station No. 4009	LTA	12107.1	11545.3	9723.9	8096.7	6079.7	4732.2	3854.7	4006.5	4187.5	5473.7	7592.2	10657.5	7319.4
	1990	10936.7	17772.2	7055.0	3820.8	2772.2	2834.7	2418.9	2220.9	2208.3	3467.4	5138.0	9255.2	5752.3
	% COMP	90.3	153.9	72.6	47.2	45.6	59.9	62.8	55.4	52.7	63.3	67.7	86.8	78.6

FIGURE 1
LOCATION MAP FOR SAMPLE SURFACE WATER SITES

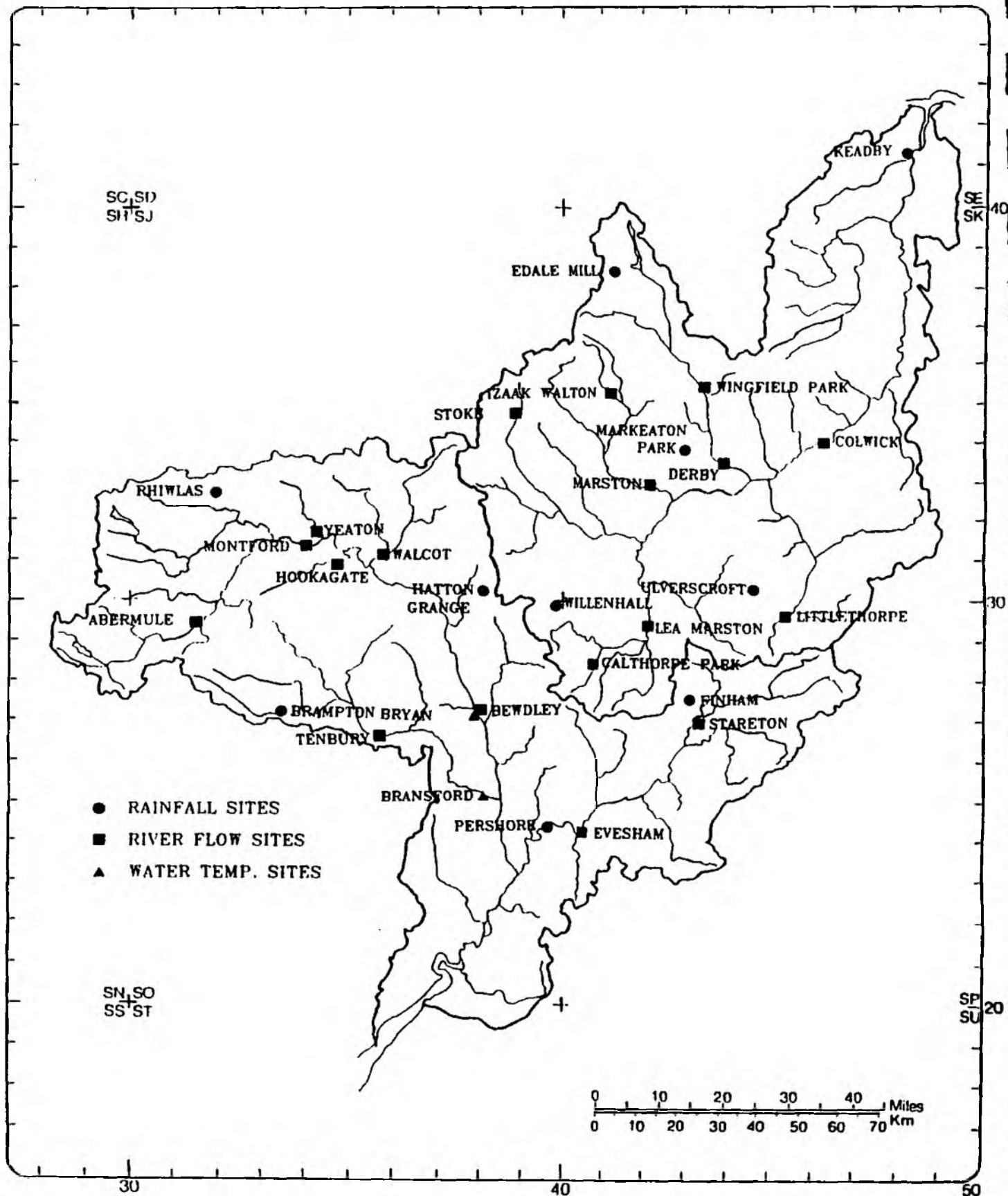
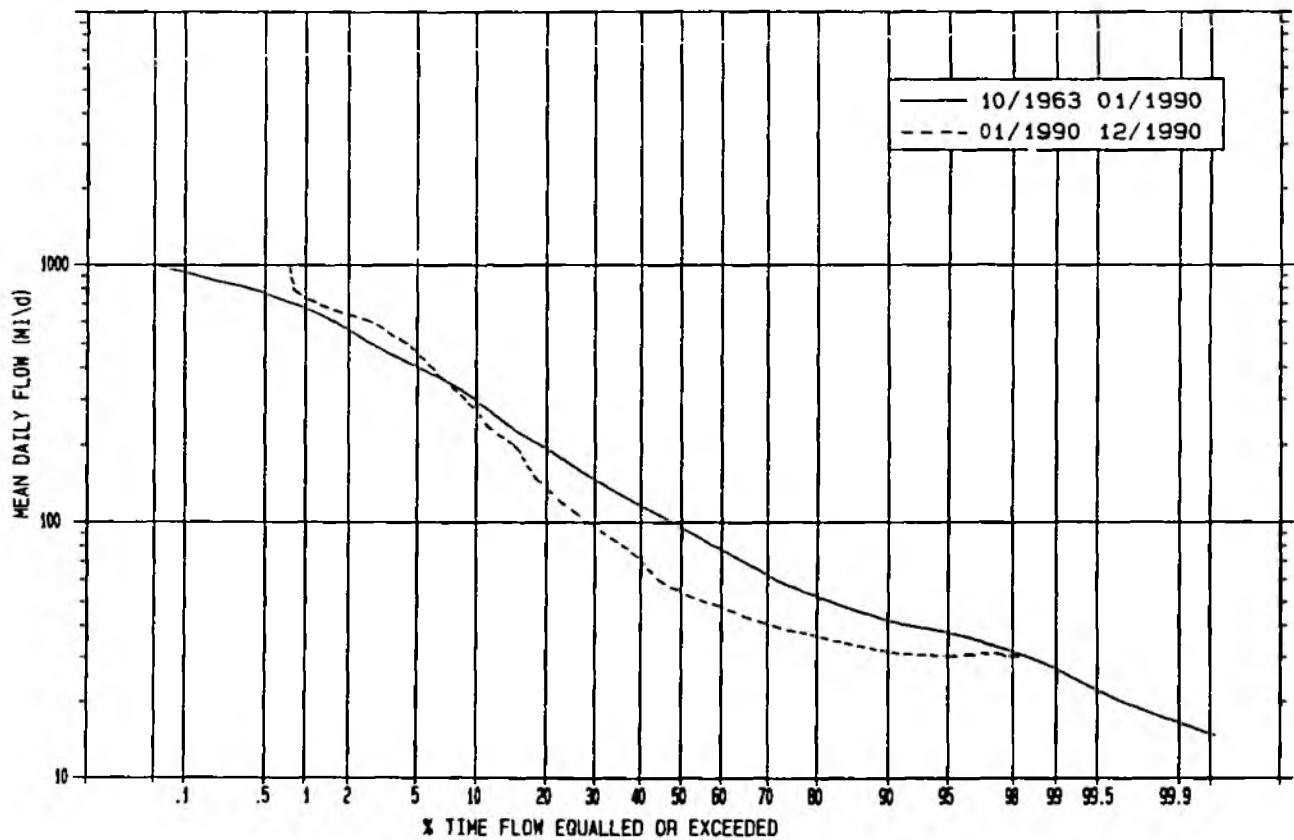


FIGURE 2



NRA	SEVERN TRENT REGION WATER RESOURCES	ANNUAL HYDROGRAPH OF MEAN DAILY FLOWS		
		R. PERRY AT YEATON	for 1990	Stn.No: 2020

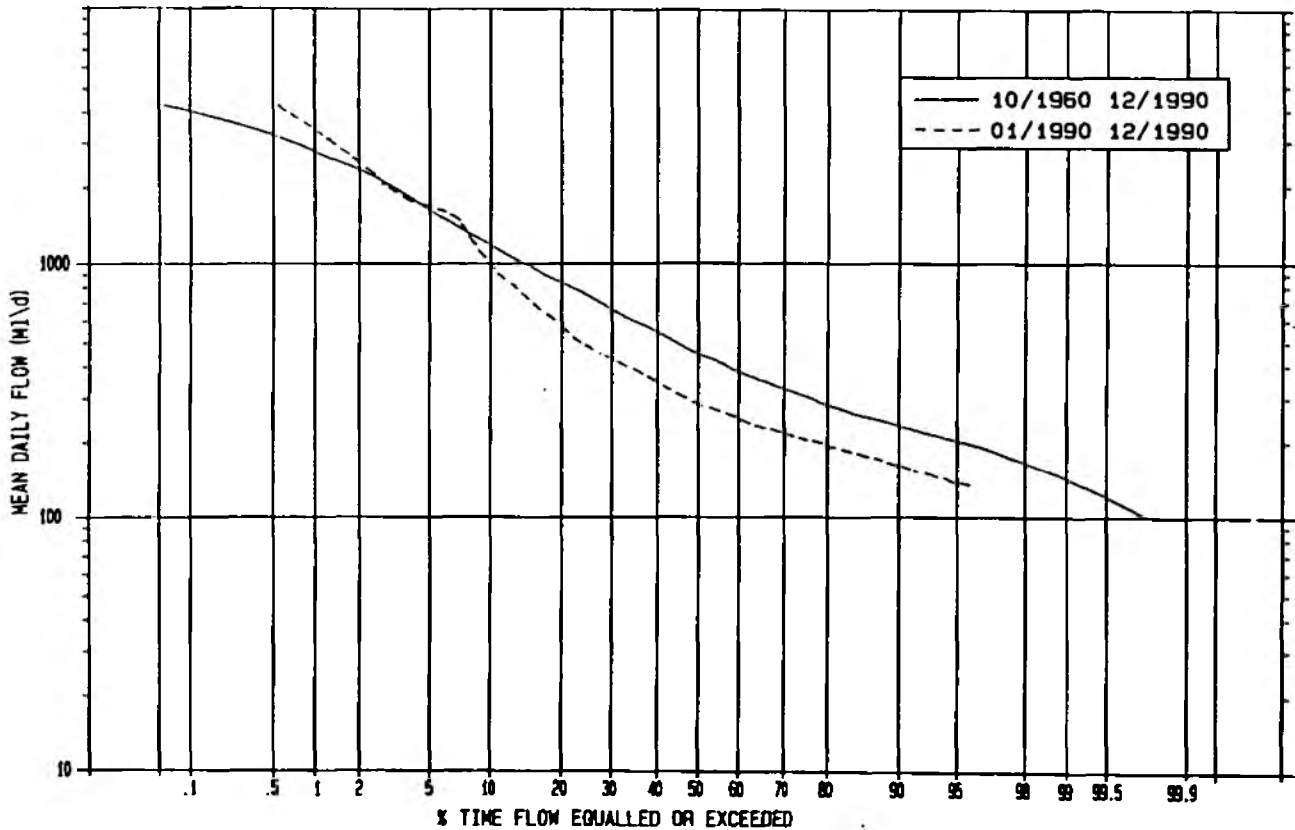


NRA	SEVERN TRENT REGION WATER RESOURCES	FLOW DURATION CURVE OF MEAN DAILY FLOWS		
		R. PERRY AT YEATON		Stn.No: 2020

FIGURE 3

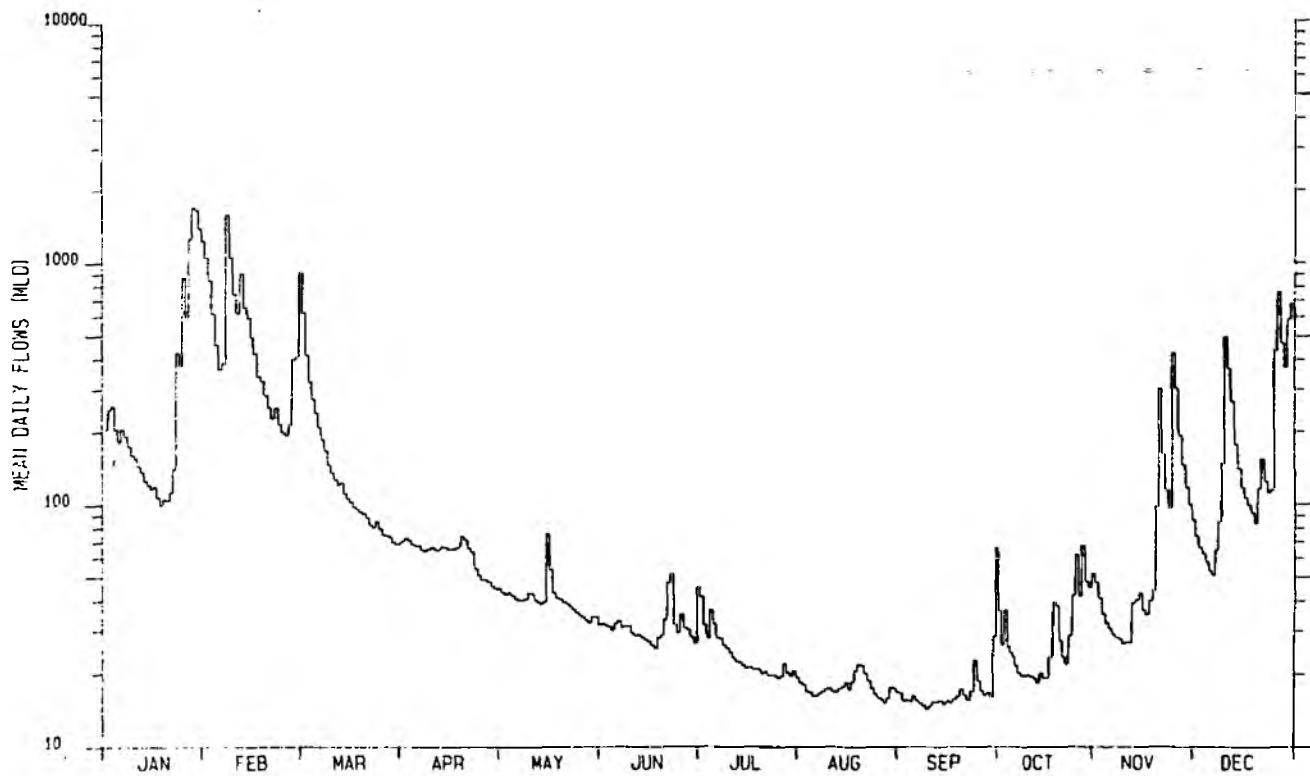


NRA	SEVERN TRENT REGION WATER RESOURCES	ANNUAL HYDROGRAPH OF MEAN DAILY FLOWS	
		R. TERN AT WALCOT	for 1990 Stn.No: 2012

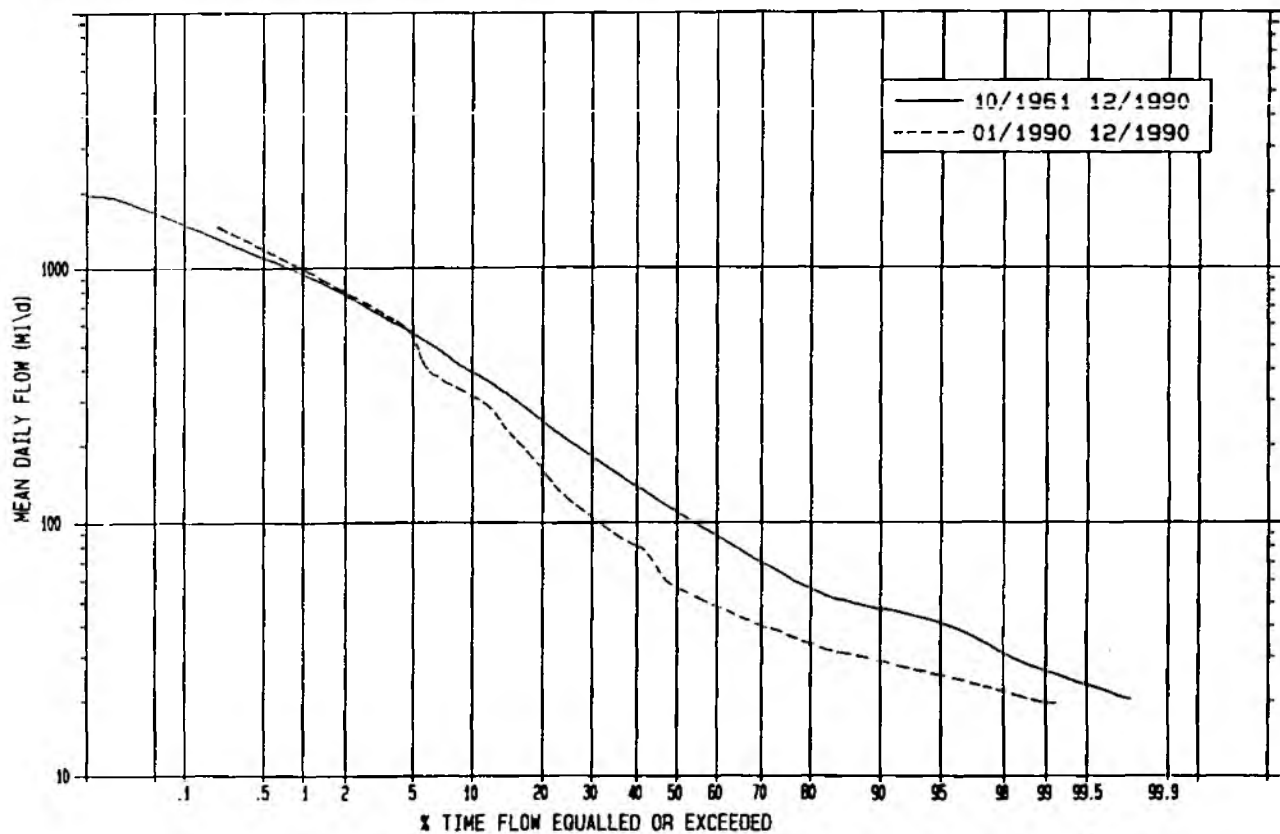


NRA	SEVERN TRENT REGION WATER RESOURCES	FLOW DURATION CURVE OF MEAN DAILY FLOWS	
		R. TERN AT WALCOT	Stn.No: 2012

FIGURE 4



NRA	SEVERN TRENT REGION WATER RESOURCES	ANNUAL HYDROGRAPH OF MEAN DAILY FLOWS		
		REA BK. AT HOOKAGATE	for 1990	Stn.No: 2018

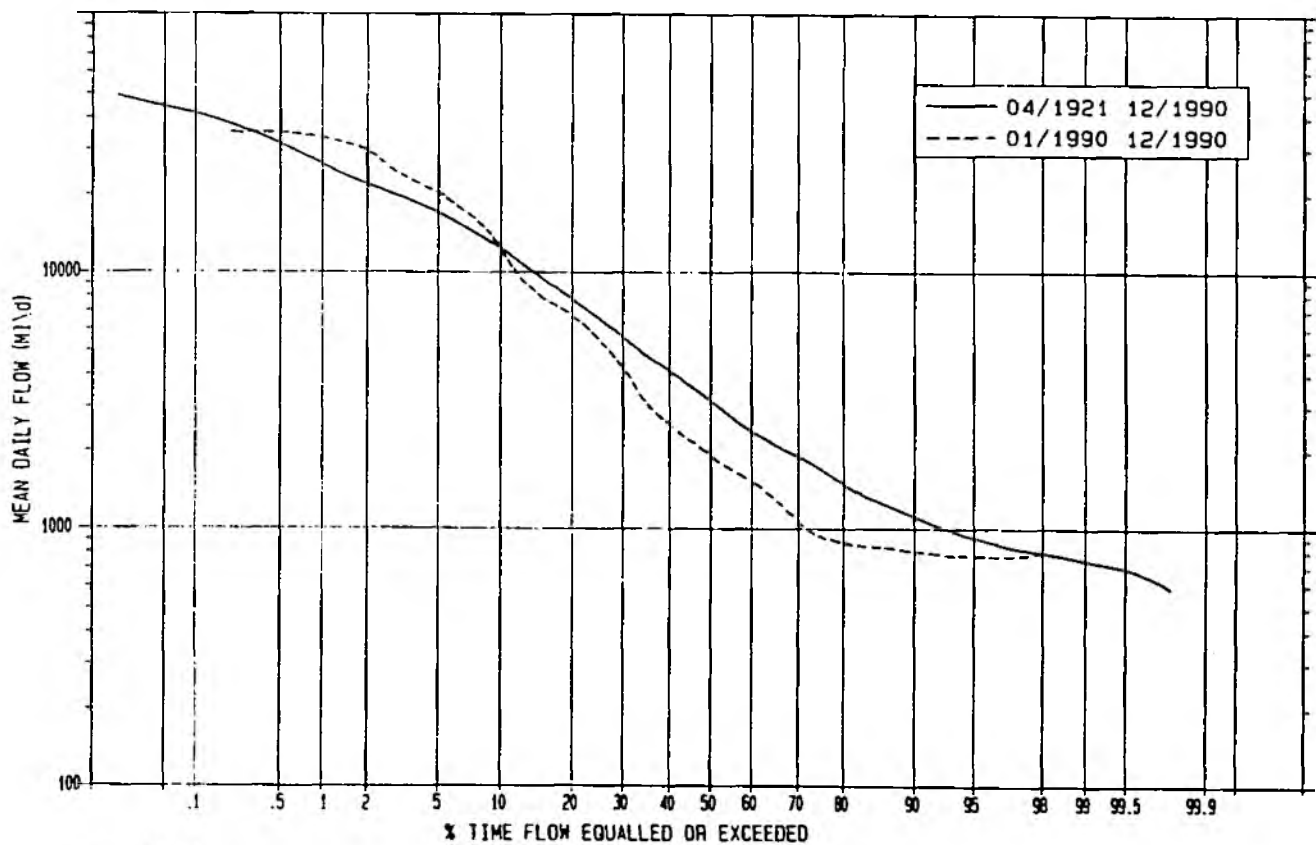


NRA	SEVERN TRENT REGION WATER RESOURCES	FLOW DURATION CURVE OF MEAN DAILY FLOWS	
		R. REA AT HOOKAGATE	Stn.No: 2016

FIGURE 5

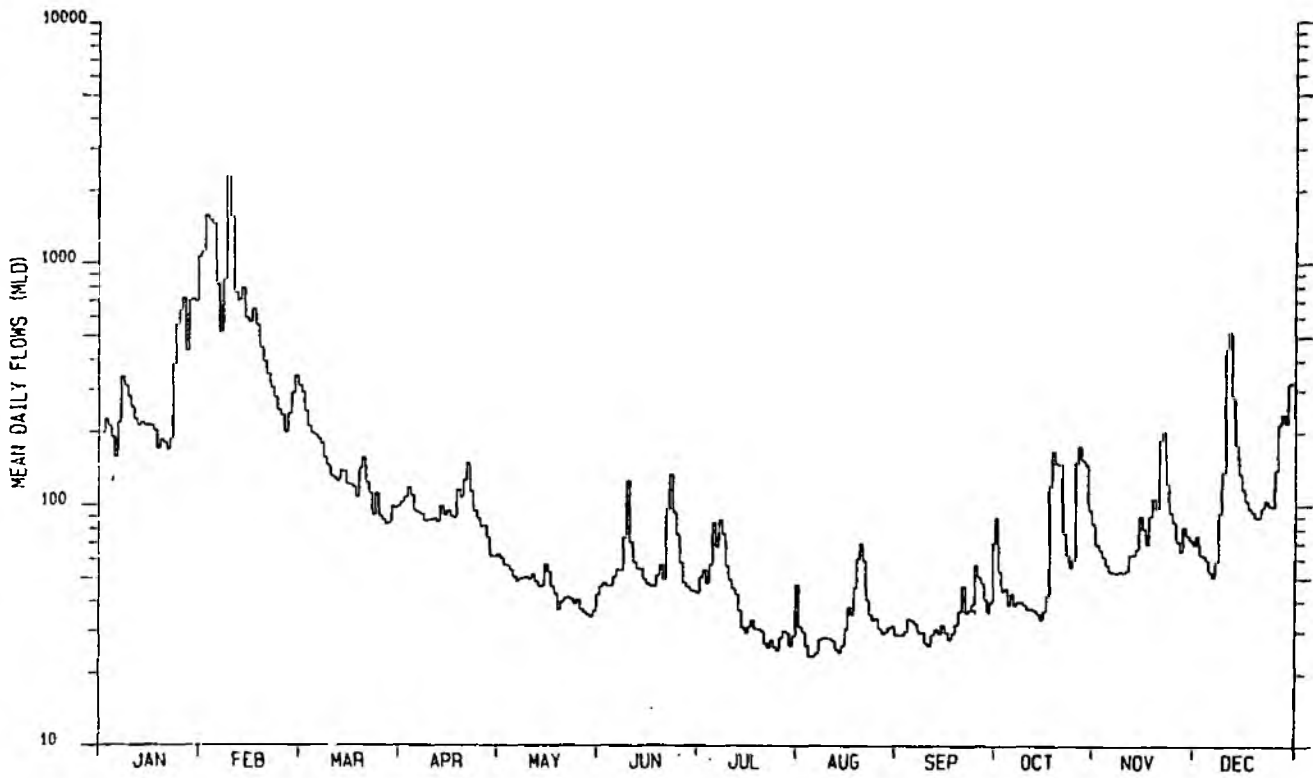


NRA	SEVERN TRENT REGION WATER RESOURCES	ANNUAL HYDROGRAPH OF MEAN DAILY FLOWS	
		R. SEVERN AT BEWDLEY	for 1990 Stn.No: 2001

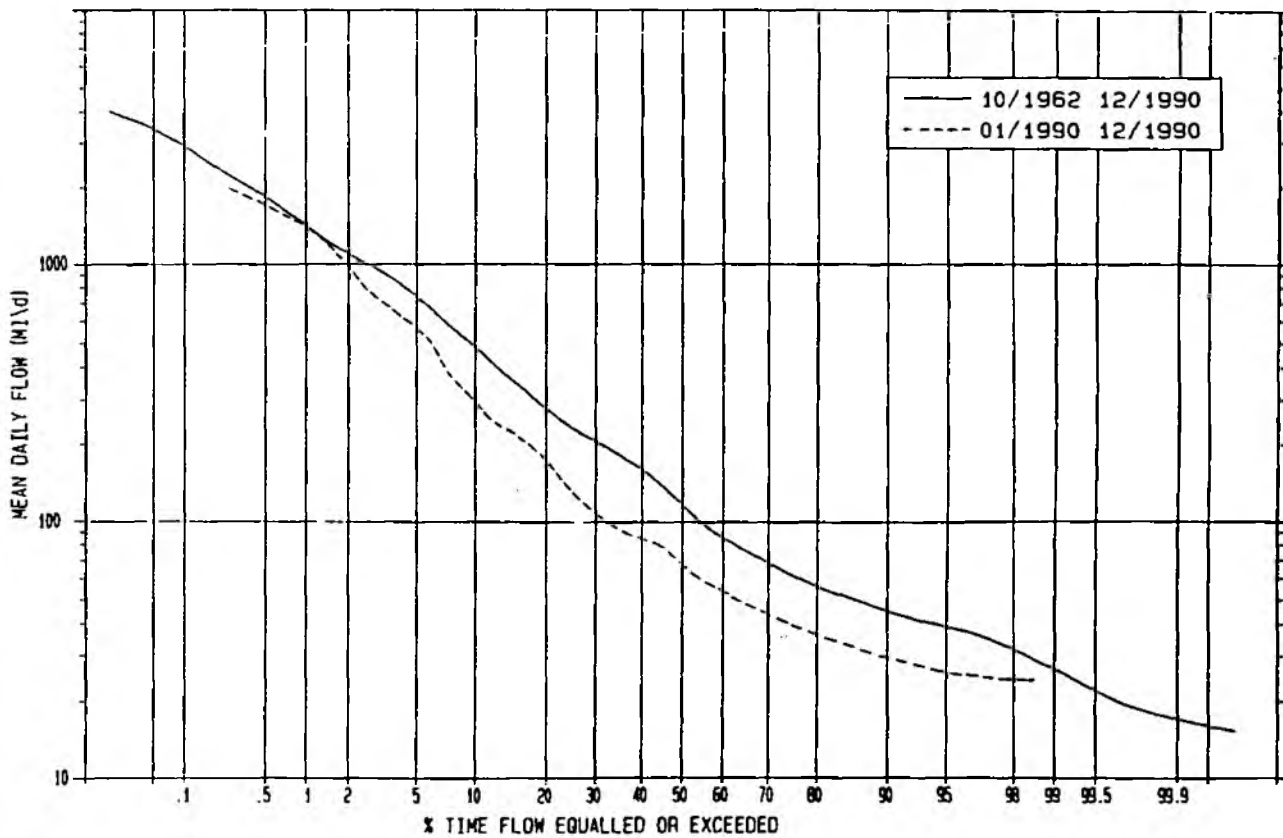


NRA	SEVERN TRENT REGION WATER RESOURCES	FLOW DURATION CURVE OF MEAN DAILY FLOWS	
		R. SEVERN AT BEWDLEY	Stn.No: 2001

FIGURE 6

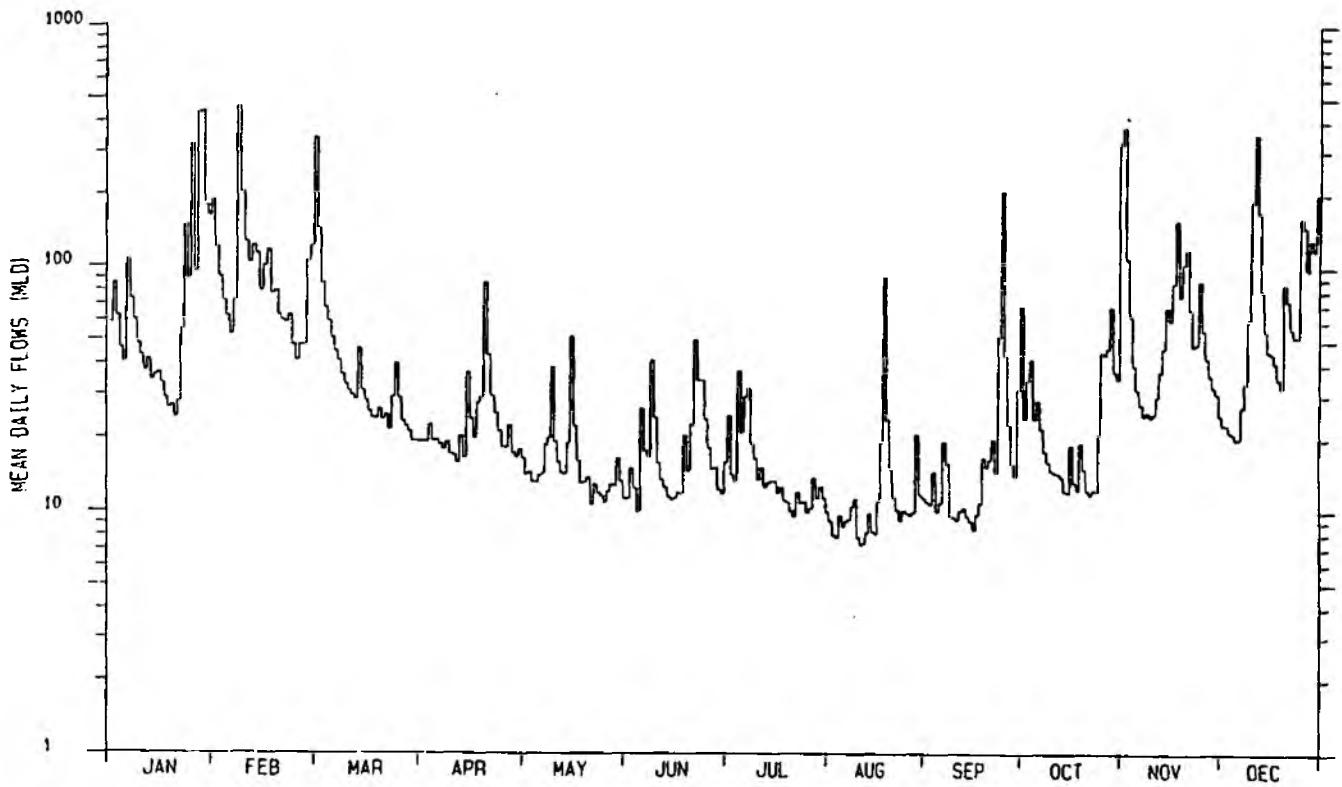


NRA	SEVERN TRENT REGION WATER RESOURCES	ANNUAL HYDROGRAPH OF MEAN DAILY FLOWS	
		R. AVON AT STARETON	for 1990 Stn.No: 2019

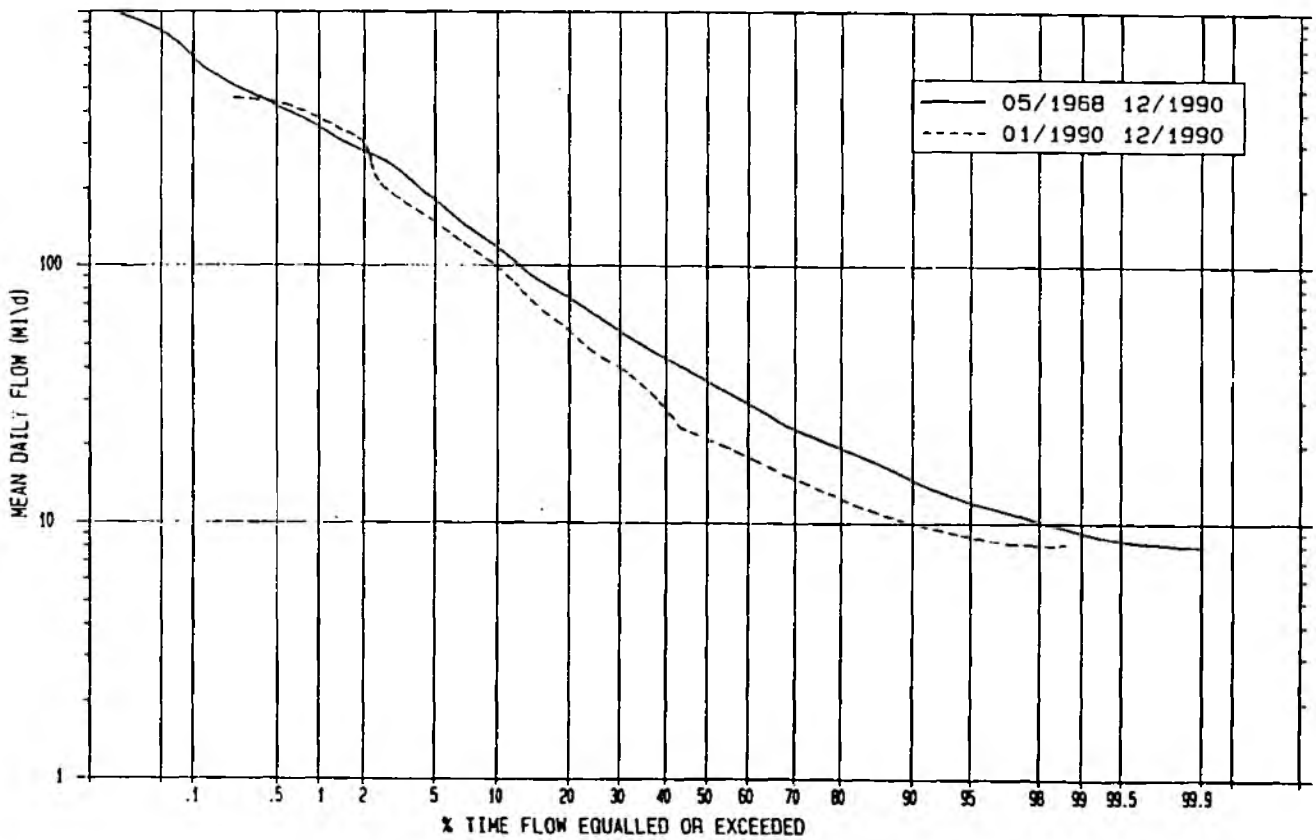


NRA	SEVERN TRENT REGION WATER RESOURCES	FLOW DURATION CURVE OF MEAN DAILY FLOWS	
		R. AVON AT STARETON	Stn.No: 2019

FIGURE 7

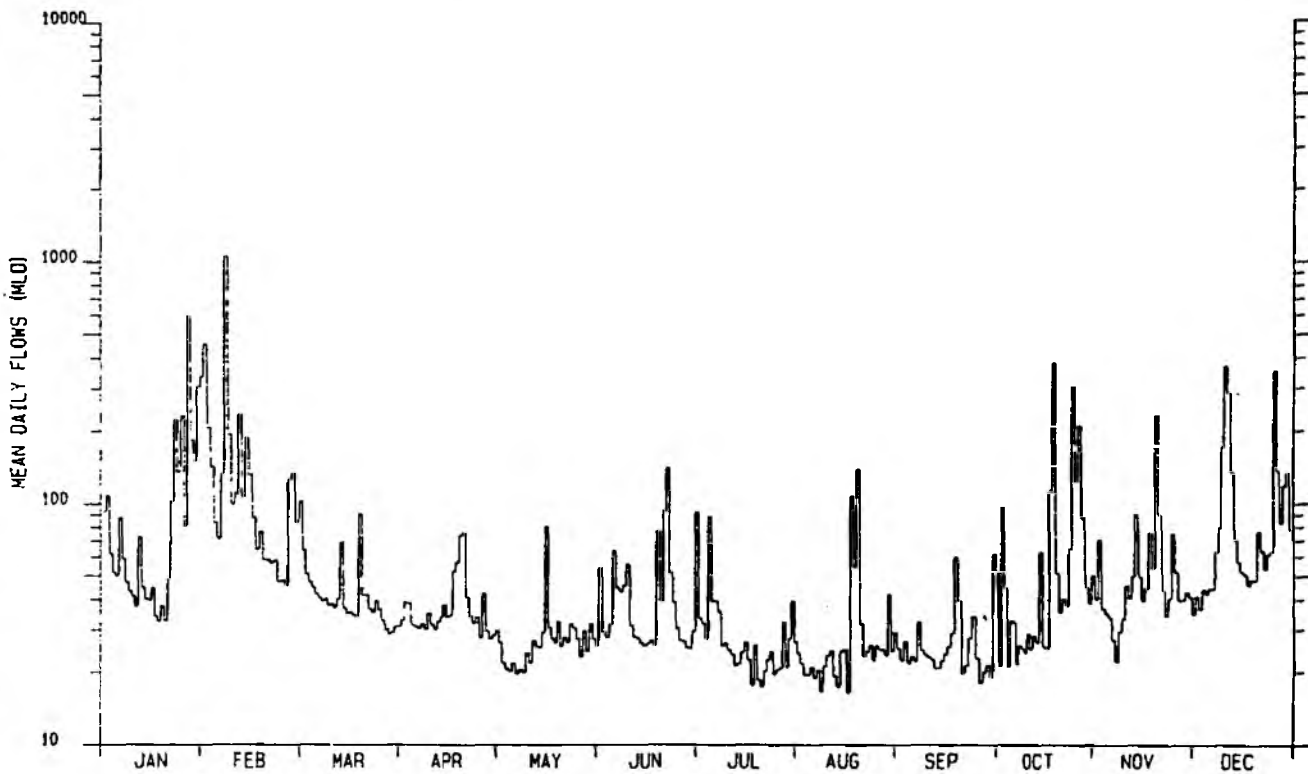


NRA	SEVERN TRENT REGION WATER RESOURCES	ANNUAL HYDROGRAPH OF MEAN DAILY FLOWS	
		R. TRENT AT STOKES	for 1990 Stn.No: 4040

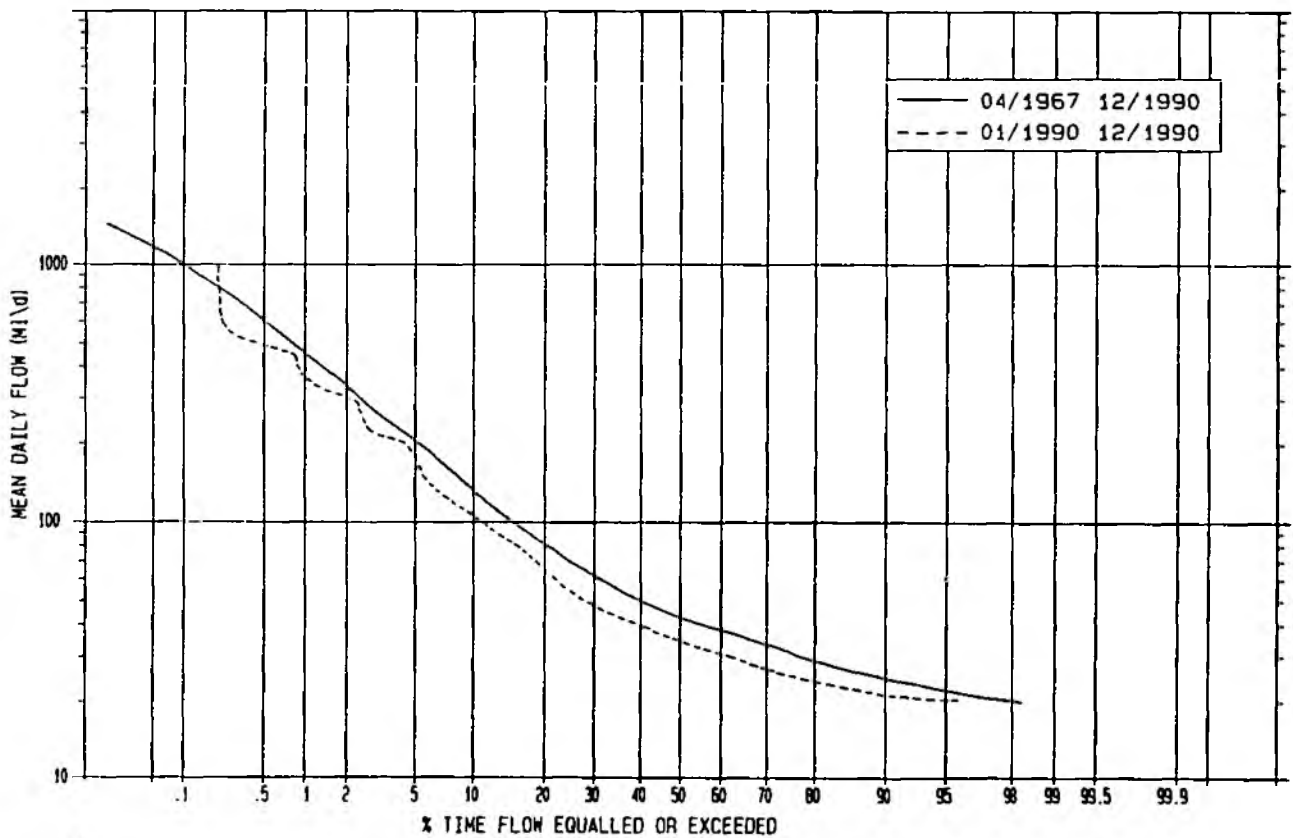


NRA	SEVERN TRENT REGION WATER RESOURCES	FLOW DURATION CURVE OF MEAN DAILY FLOWS	
		R. TRENT AT STOKES	Stn.No: 4040

FIGURE 8

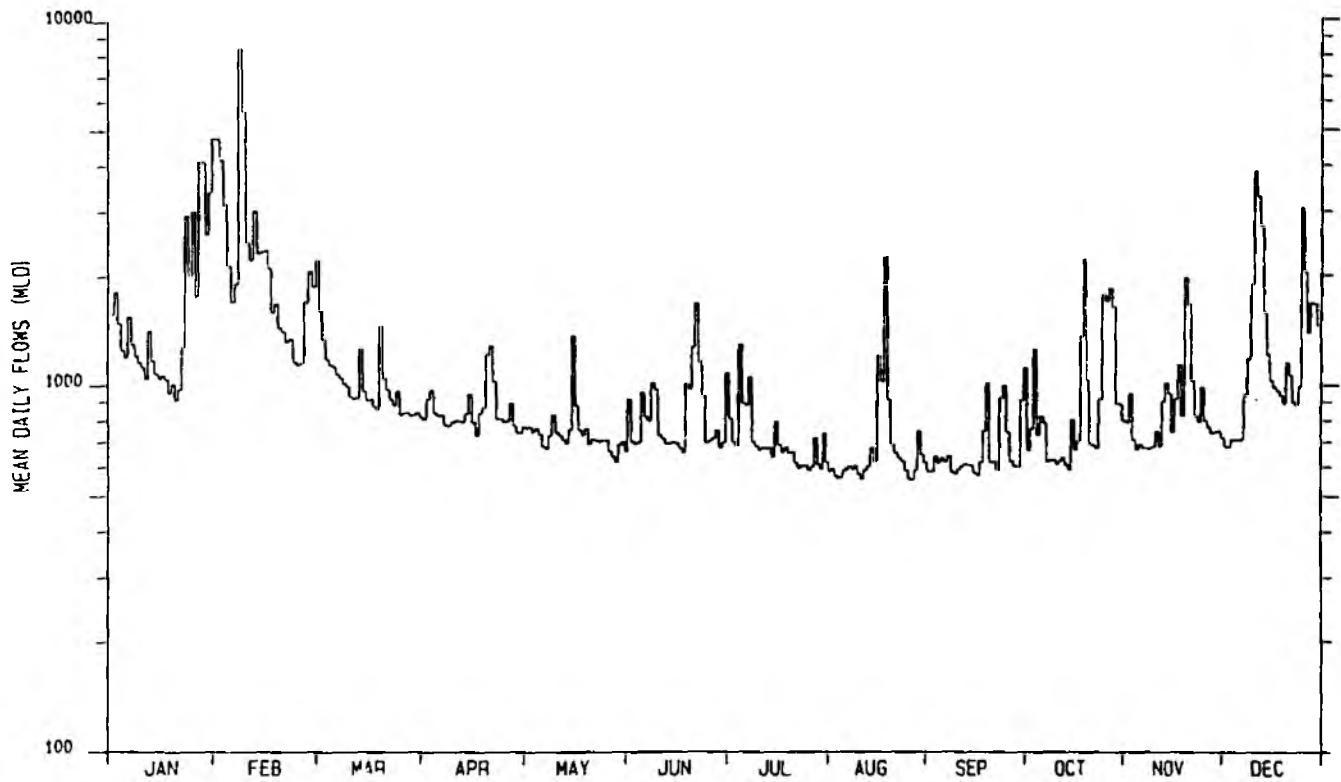


NRA	SEVERN TRENT REGION WATER RESOURCES	ANNUAL HYDROGRAPH OF MEAN DAILY FLOWS	
		R. REA AT CALTHORPE PARK for 1990	Stn.No: 4039

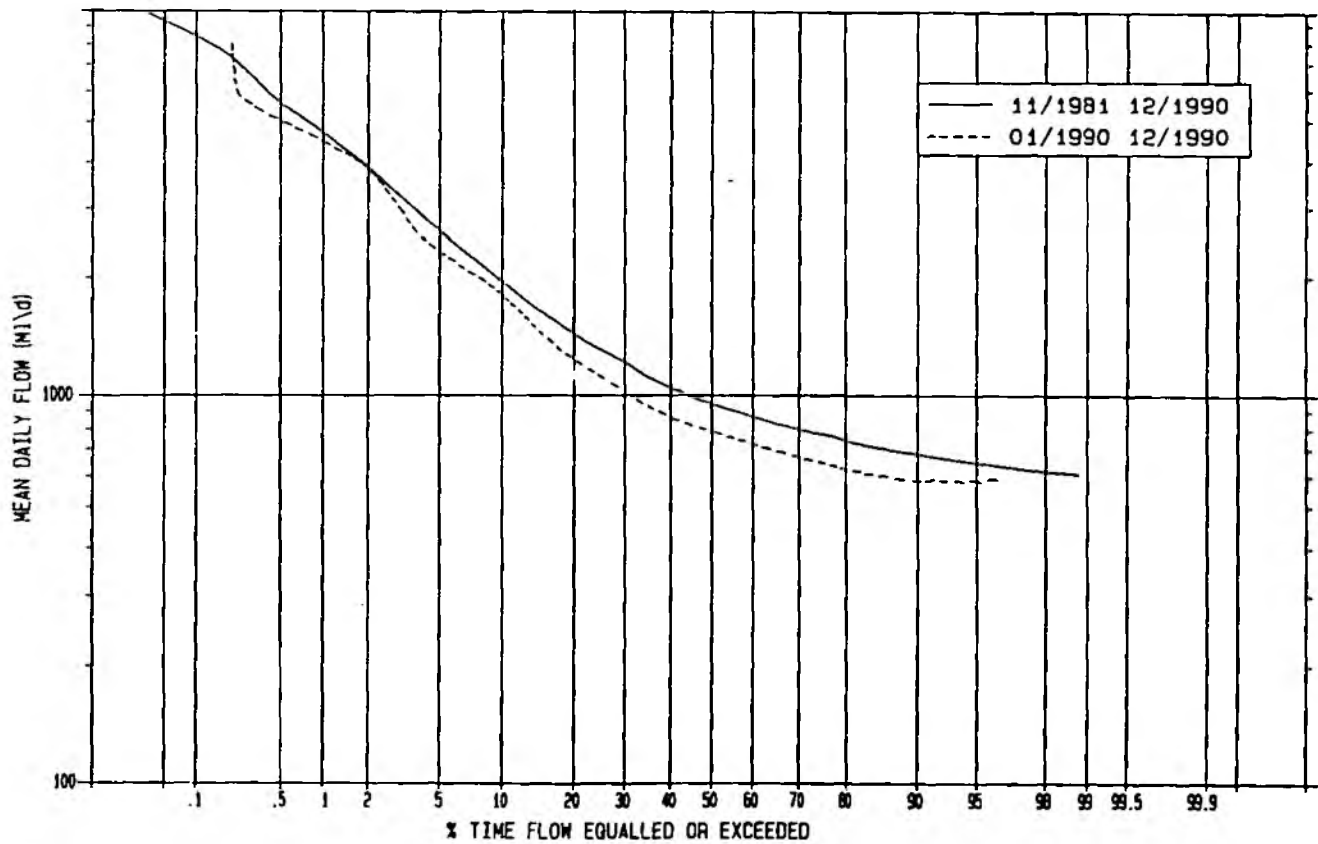


NRA	SEVERN TRENT REGION WATER RESOURCES	FLOW DURATION CURVE OF MEAN DAILY FLOWS	
		R. REA AT CALTHORPE PARK	Stn.No: 4039

FIGURE 9

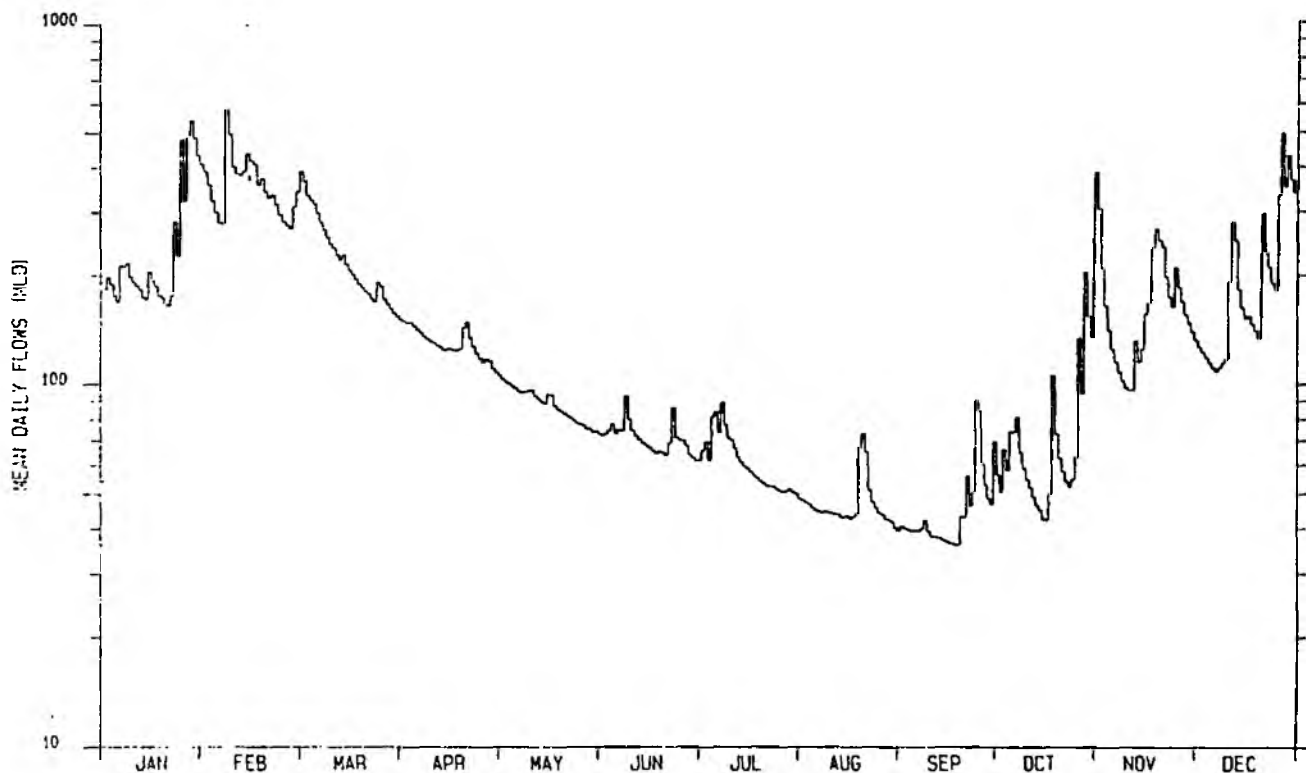


NRA	SEVERN TRENT REGION WATER RESOURCES	ANNUAL HYDROGRAPH OF MEAN DAILY FLOWS	
		R. TAME AT LEA MARSTON	for 1990 Stn.No: 4080

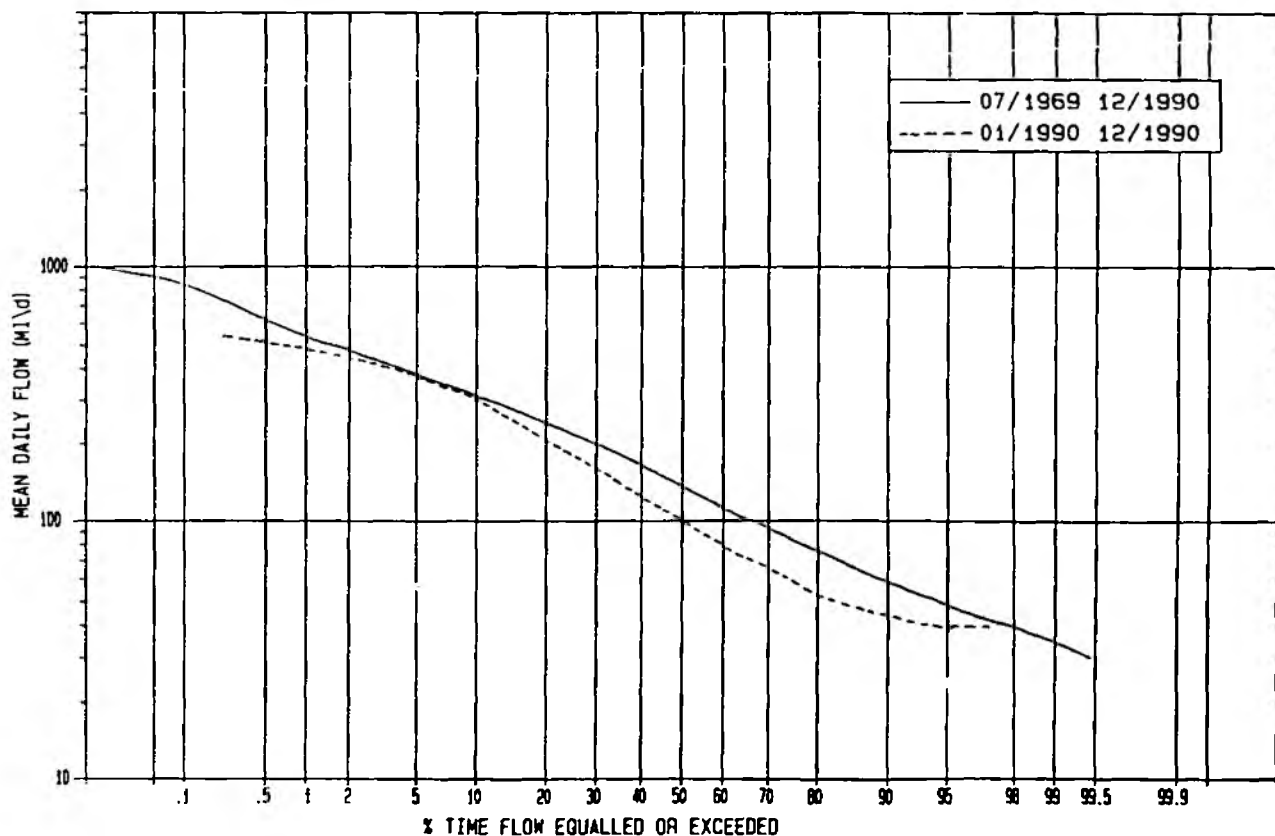


NRA	SEVERN TRENT REGION WATER RESOURCES	FLOW DURATION CURVE OF MEAN DAILY FLOWS	
		R. TAME AT LEA MARSTON	Stn.No: 4080

FIGURE 10

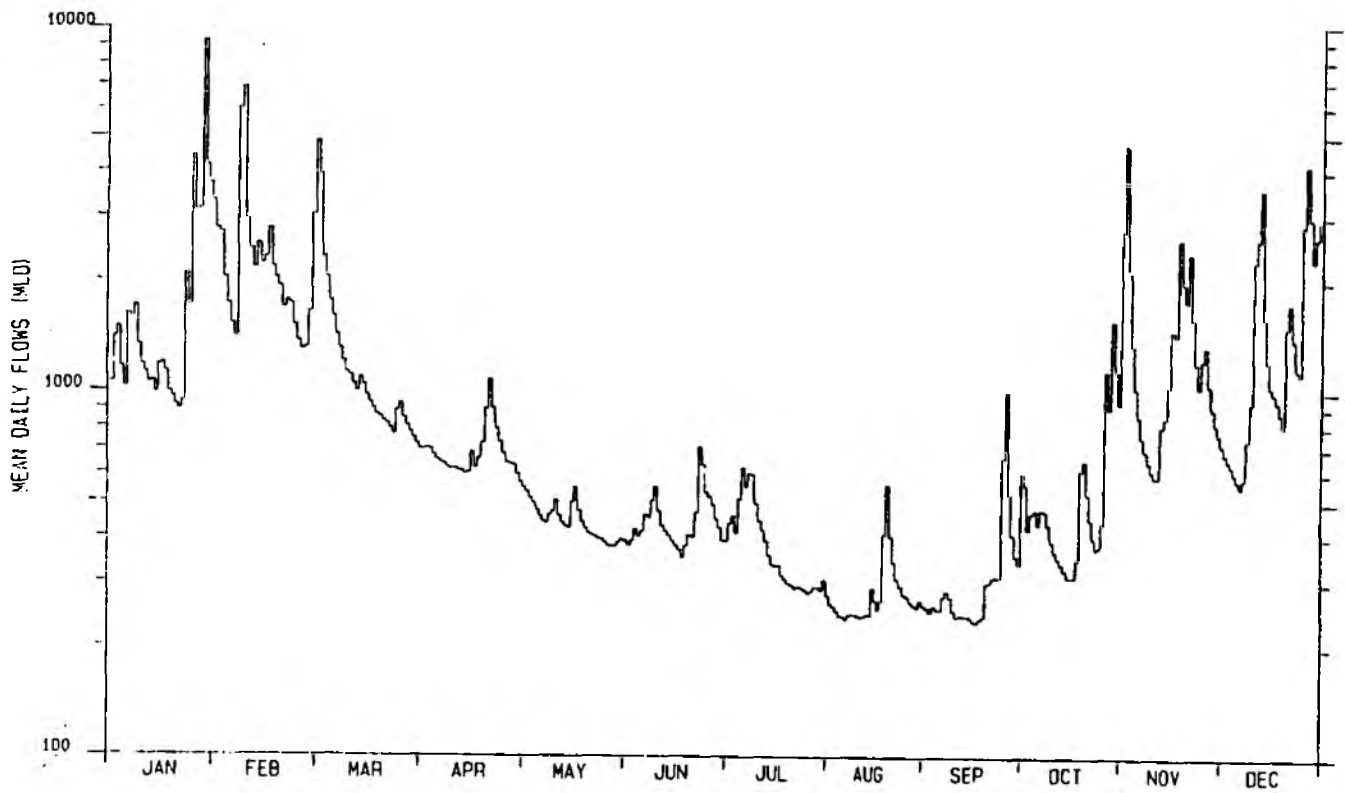


NRA	SEVERN TRENT REGION WATER RESOURCES	ANNUAL HYDROGRAPH OF MEAN DAILY FLOWS	
		R. DOVE AT IZAAK WALTON for 1990	Stn.No: 4046

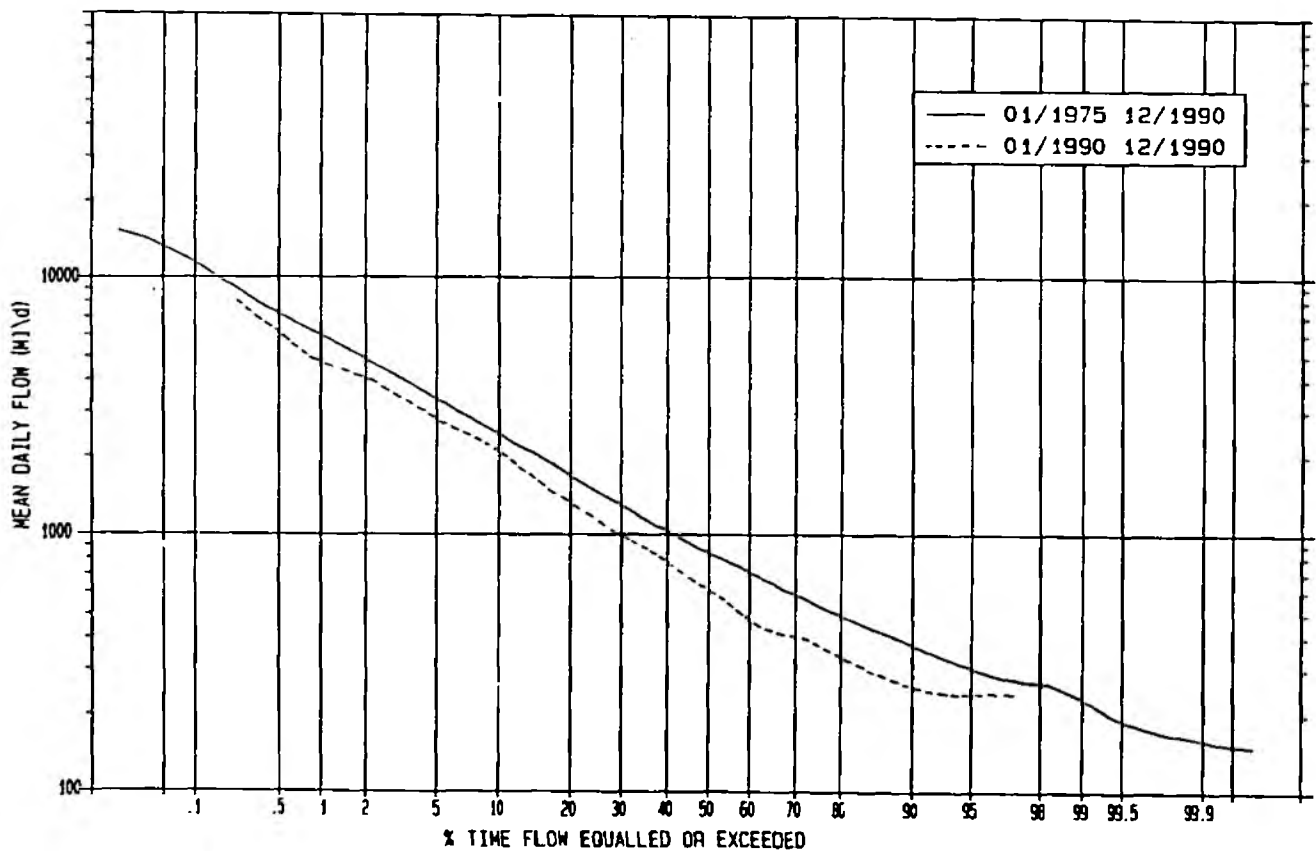


NRA	SEVERN TRENT REGION WATER RESOURCES	FLOW DURATION CURVE OF MEAN DAILY FLOWS	
		R. DOVE AT IZAAK WALTON	Stn.No: 4046

FIGURE 11

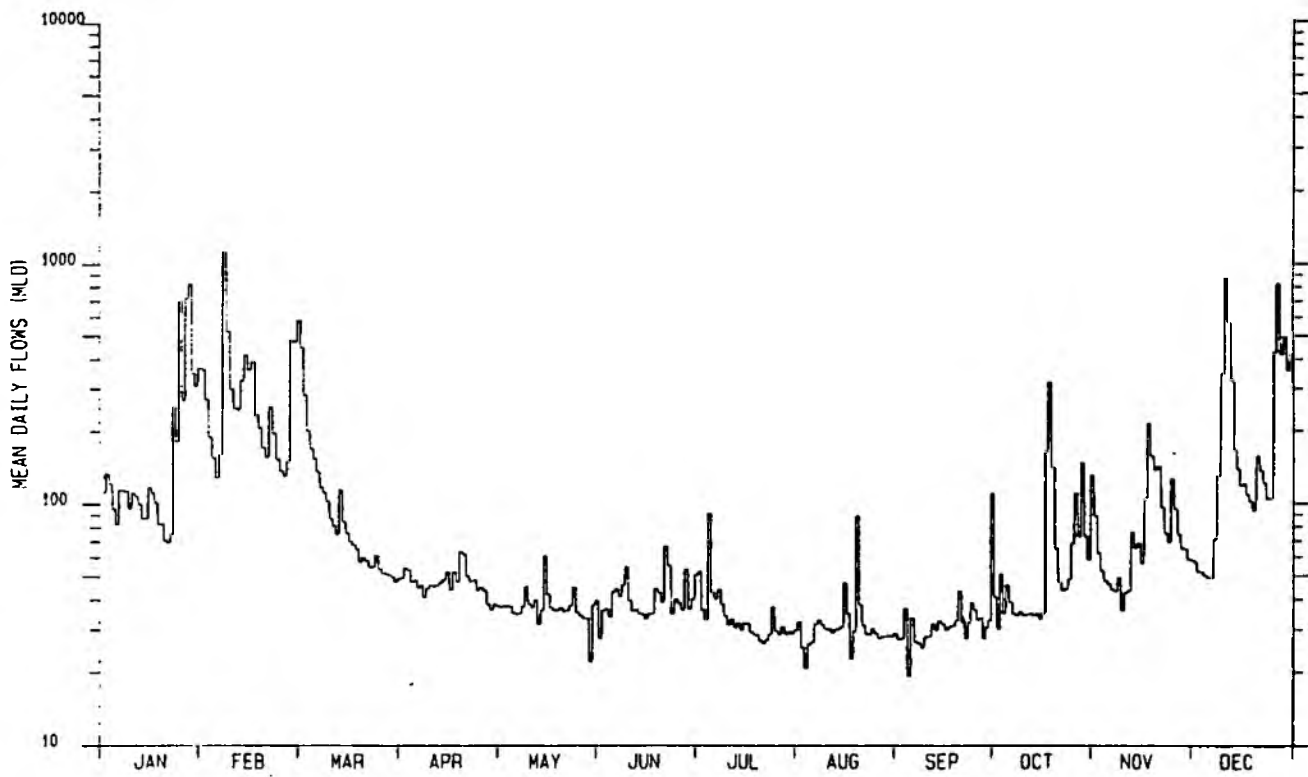


NRA	SEVERN TRENT REGION WATER RESOURCES	ANNUAL HYDROGRAPH OF MEAN DAILY FLOWS	
		R. DOVE AT MARSTON	for 1990 Stn.No: 4018

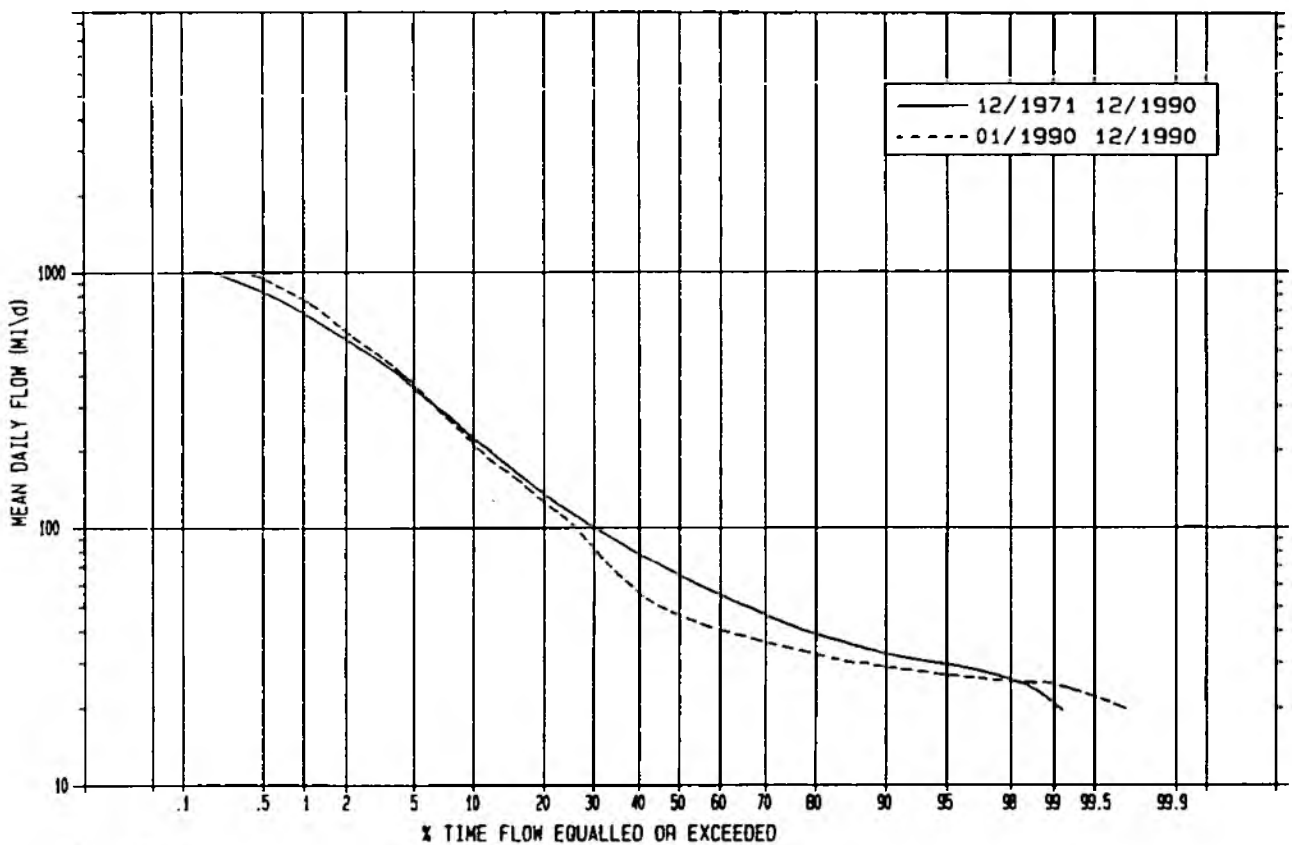


NRA	SEVERN TRENT REGION WATER RESOURCES	FLOW DURATION CURVE OF MEAN DAILY FLOWS	
		R. DOVE AT MARSTON	Stn.No: 4018

FIGURE 12

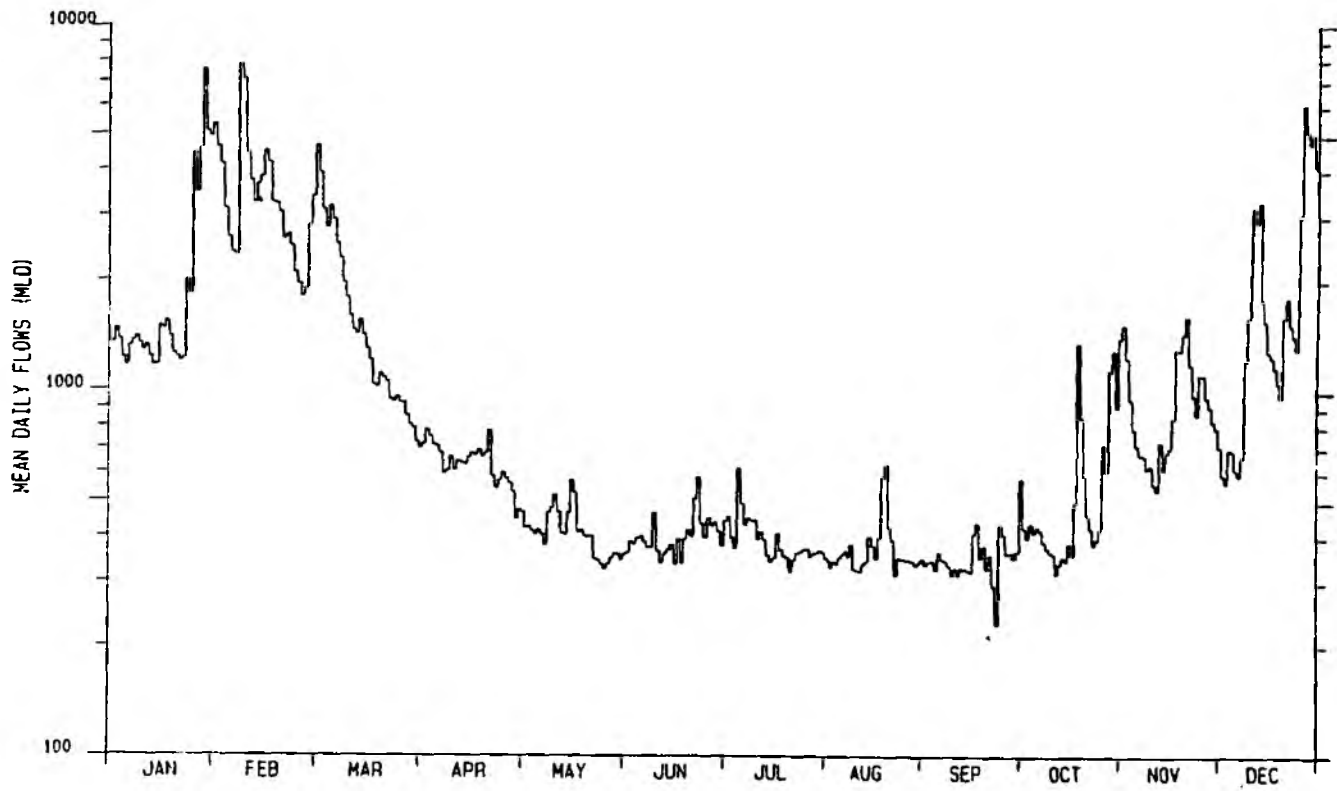


NRA	SEVERN TRENT REGION WATER RESOURCES	ANNUAL HYDROGRAPH OF MEAN DAILY FLOWS	
		R. AMBER AT WINGFIELD PARK for 1990	Stn.No: 4048

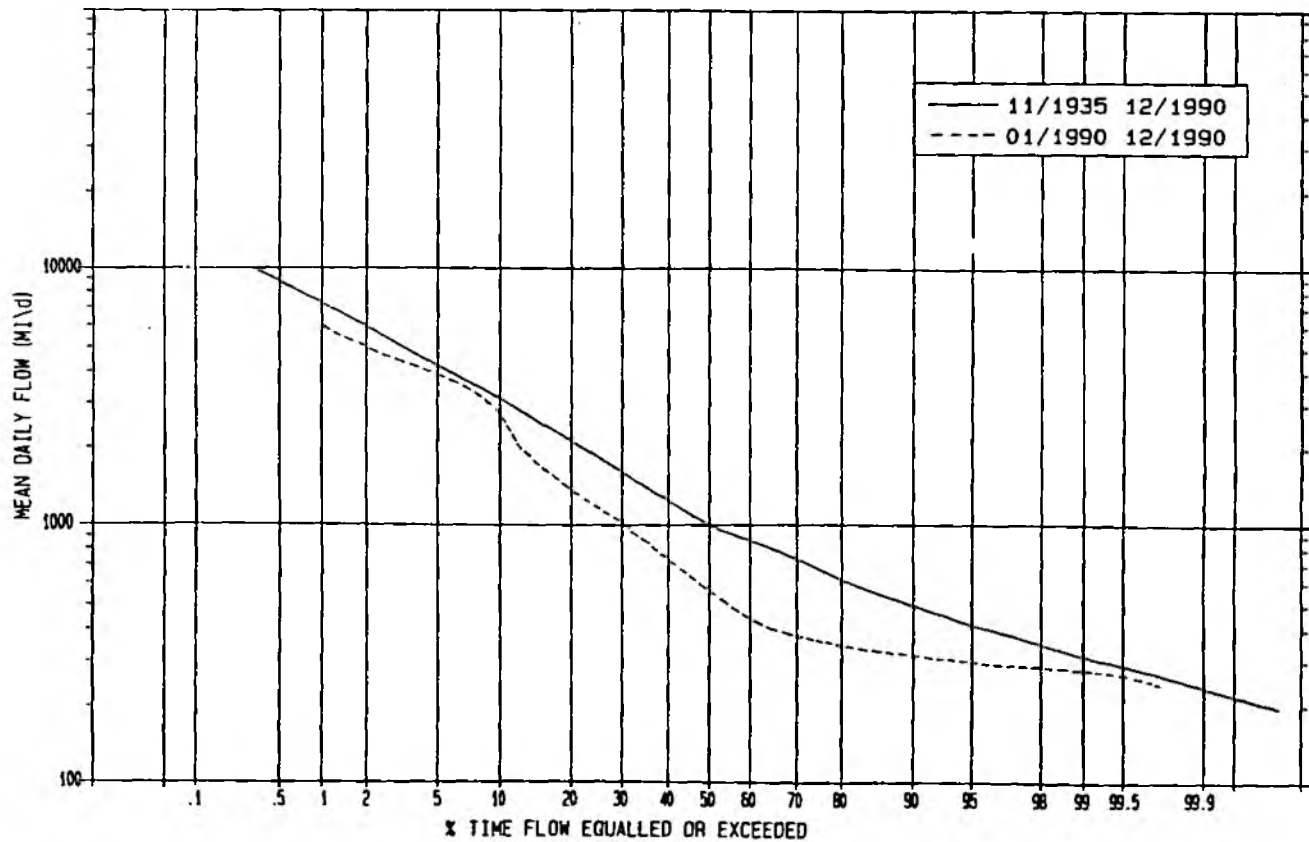


NRA	SEVERN TRENT REGION WATER RESOURCES	FLOW DURATION CURVE OF MEAN DAILY FLOWS	
		R. AMBER AT WINGFIELD PARK	Stn.No: 4048

FIGURE 13

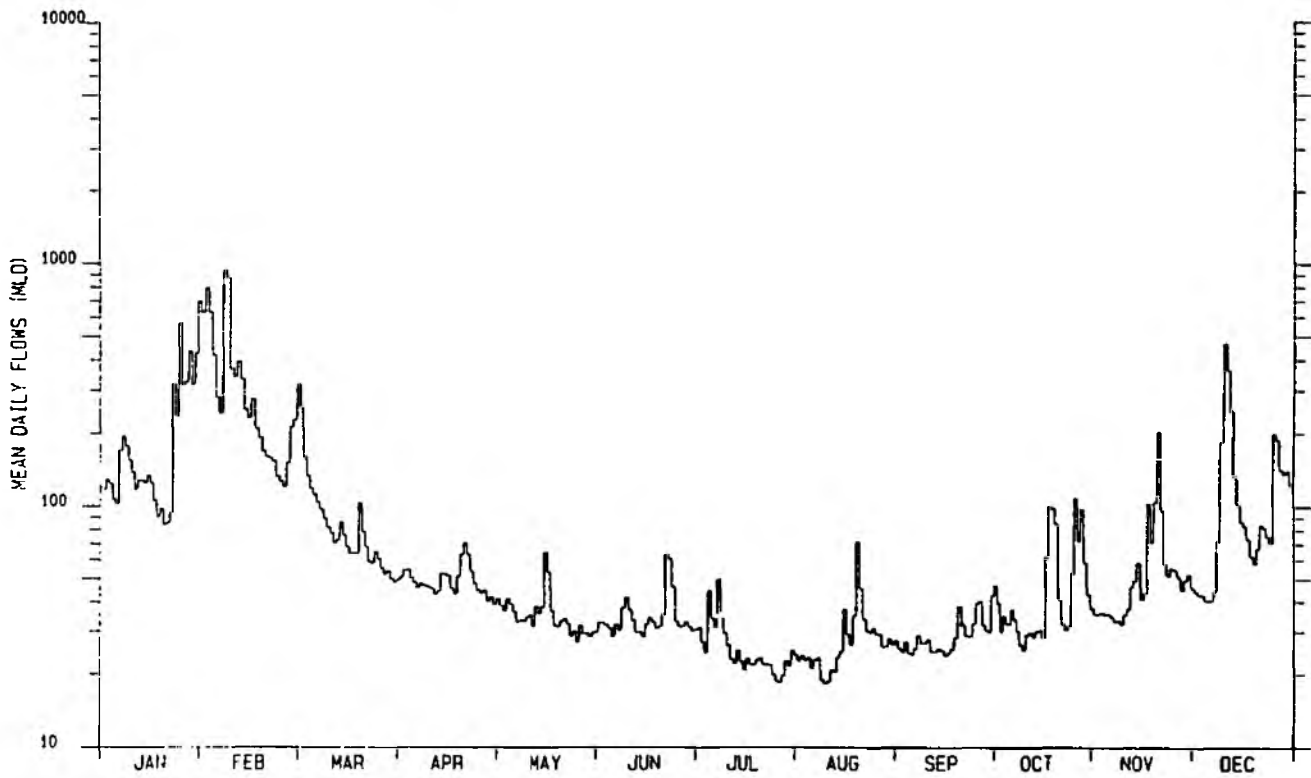


NRA	SEVERN TRENT REGION WATER RESOURCES	ANNUAL HYDROGRAPH OF MEAN DAILY FLOWS	
		R. DERWENT AT DERBY ST. MARYS for 1990	Stn.No: 4085

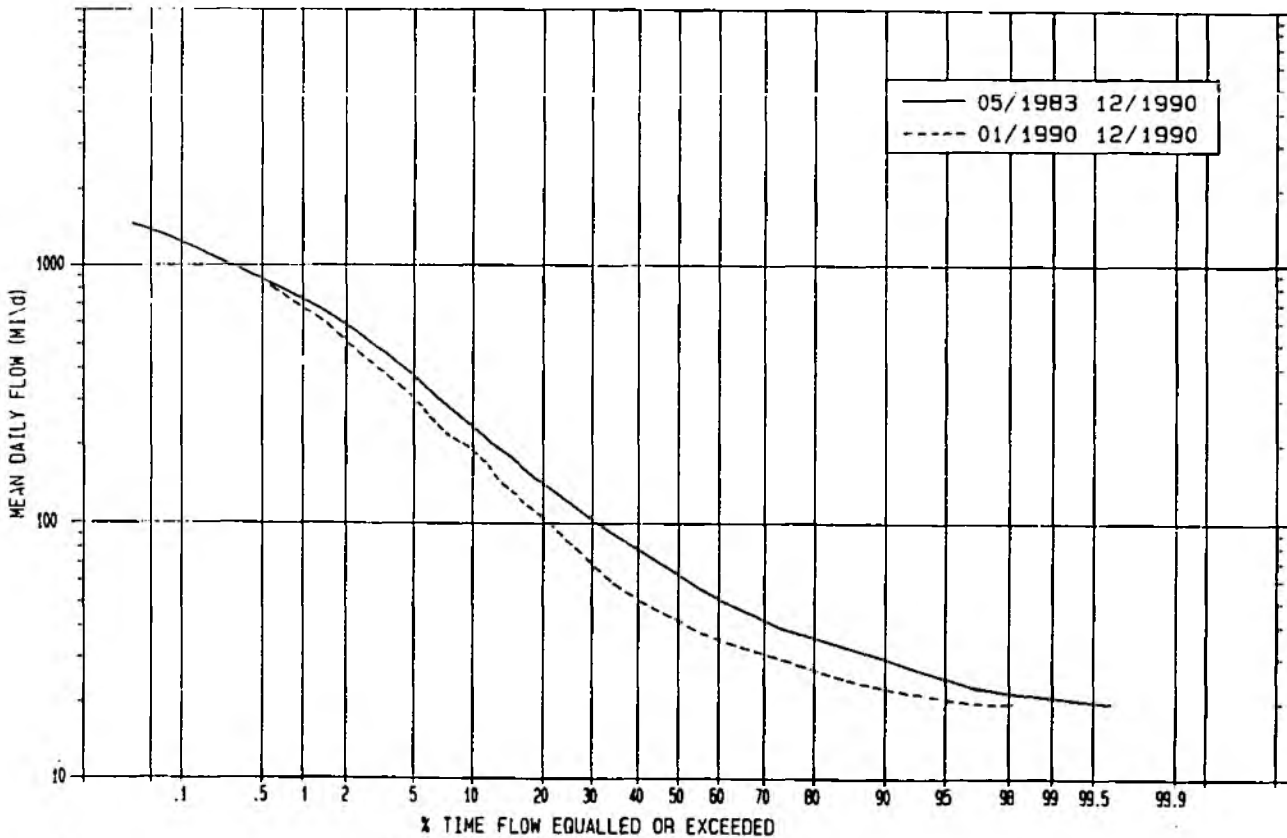


NRA	SEVERN TRENT REGION WATER RESOURCES	FLOW DURATION CURVE OF MEAN DAILY FLOWS	
		R. DERWENT AT LBW/ST. MARYS	Stn.No: 4085

FIGURE 14

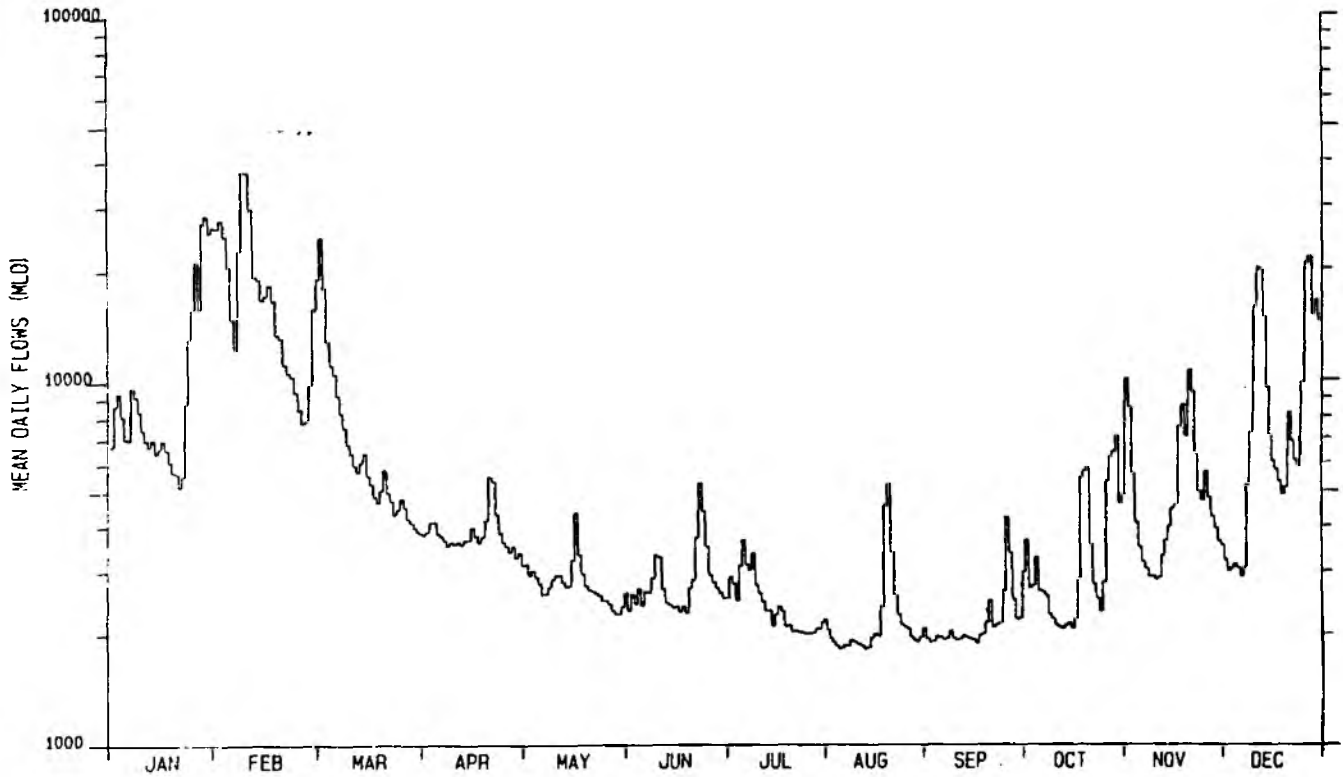


NRA	SEVERN TRENT REGION WATER RESOURCES	ANNUAL HYDROGRAPH OF MEAN DAILY FLOWS	
		R. SOAR AT LITTLETHORPE for 1990	Stn.No: 4082

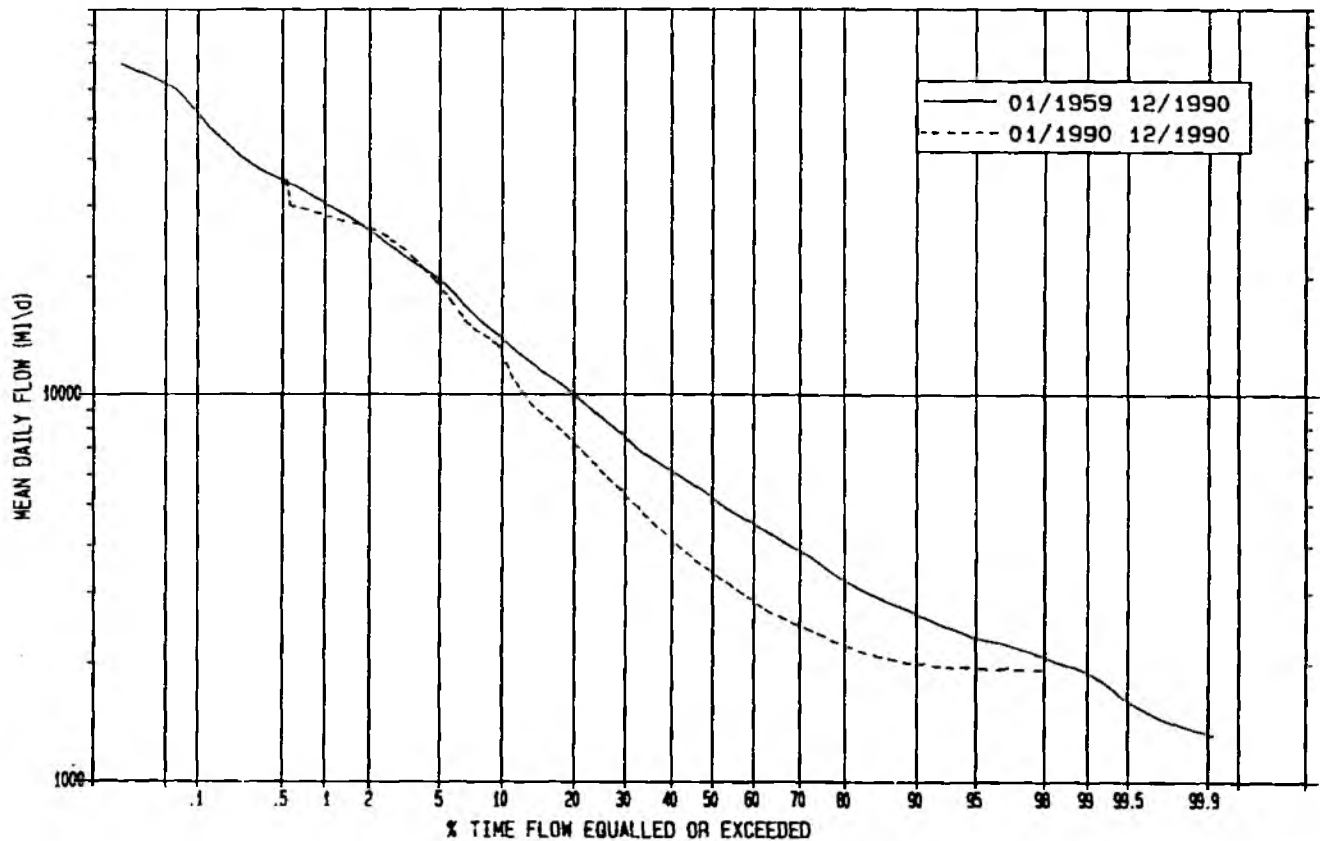


NRA	SEVERN TRENT REGION WATER RESOURCES	FLOW DURATION CURVE OF MEAN DAILY FLOWS	
		R. SOAR AT LITTLETHORPE	Stn.No: 4082

FIGURE 15



NRA	SEVERN TRENT REGION WATER RESOURCES	ANNUAL HYDROGRAPH OF MEAN DAILY FLOWS	
		R. TRENT AT COLWICK	for 1990 Stn.No: 4009



NRA	SEVERN TRENT REGION WATER RESOURCES	FLOW DURATION CURVE OF MEAN DAILY FLOWS	
		R. TRENT AT COLWICK	Stn.No: 4009

D. RAINFALL.

Rainfall is measured in two basic ways. The first is by the gauge being manually read at a set frequency, usually daily, although it may be weekly or monthly. The second is where the gauge incorporates a recorder that logs more detailed information on the distribution of rainfall throughout the day. Severn Trent Region use tipping bucket gauges that generate a pulse for each half millimetre rainfall increment. An on site logger records the precise time (to a second) of each pulse. These loggers are connected to the telephone network and can be interrogated remotely. Locations of both types of rainfall site are given in the catalogue section.

Most of the daily gauges in the region are operated by voluntary observers with data returns made monthly to Severn Trent Region headquarters. From there, the data are passed on to the Meteorological Office for quality control and archiving. Subsequently data are returned to the Regional Office for merging into NRA archives.

The sub daily rainfall event data is retrieved and archived on a micro computer based system that allows retrieval and graphical presentation of the data.

1. DAILY RAINFALL TOTALS FOR SELECTED SITES.

Table 11 (starting page 70) lists daily rainfall for 1990 at ten sites throughout the region out of the total of 300 for which daily data are available. The example site locations are shown in Figure 1 (page 54). Brackets indicate that the data has been apportioned by the Meteorological Office from multi day totals. A comparison of the monthly totals against long term averages is given. The data are taken from microfiche provided by the Meteorological Office.

2. AREAL RAINFALL FOR 1990.

Table 12 (page 75) shows the monthly areal average data for the Region as a whole and 13 sub areas within the Region.

Both sets of data illustrate the dry period between March and September with January, February, October and December generally above average. Annual totals were considerably less than average.

TABLE 1.1

BOQUEAS
RAINFALL IN MILLIMETERS FOR 1990
STATION NO 427188

NATIONAL GRID REFERENCE: EASTING 3114, NORTHING 3260 ALTITUDE - 228 METERS A.M.S.L.

DAY NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	6.9	15.4	2.3	1.1	0.0	(1.3)	2.5	0.0	0.0	0.1	3.9	0.0	
2	11.8	13.9	0.3	2.5	0.0	(0.5)	0.2	0.0	1.1	16.2	0.0	0.0	
3	0.2	0.0	0.5	3.7	0.0	0.3	7.1	0.0	0.0	2.1	0.0	0.3	
4	0.0	1.7	1.5	0.2	0.0	1.9	24.5	0.0	0.5	8.8	0.0	(0.0)	
5	5.9	0.1	(0.0)	0.8	0.0	3.6	1.1	0.0	7.4	4.1	0.0	0.7	
6	3.2	19.7	0.9	0.0	0.0	7.1	1.9	0.0	2.4	9.5	0.0	2.1	
7	(7.6)	15.2	0.1	0.0	0.7	1.1	1.1	0.0	0.1	0.3	0.0	(13.5)	
8	(0.2)	3.9	0.5	0.0	0.4	5.6	0.0	0.0	0.0	0.0	0.0	(18.4)	
9	0.8	7.2	0.9	0.2	8.1	0.1	0.0	0.7	0.0	0.6	1.7	(0.8)	
10	6.9	12.1	0.1	0.1	0.4	0.0	0.0	0.2	0.0	5.5	5.8	0.0	
11	2.4	14.2	0.0	0.7	0.0	(0.0)	0.0	(0.0)	0.0	2.0	8.0	2.3	
12	1.2	2.1	5.6	2.4	0.0	0.0	0.0	(0.0)	0.0	(0.0)	1.8	0.0	
13	1.8	4.5	4.1	(0.0)	0.0	0.0	0.0	3.1	0.0	0.0	5.2	0.0	
14	4.4	3.6	0.0	7.4	7.2	0.0	0.0	10.5	0.0	3.5	0.6	0.0	
15	2.7	0.1	0.0	1.5	13.1	0.0	0.5	3.5	0.0	3.9	1.0	0.7	
16	3.5	2.9	0.1	3.7	0.1	0.0	0.0	1.9	1.3	0.1	7.1	0.0	
17	(0.0)	3.4	0.0	8.1	(0.0)	3.6	0.0	5.4	0.2	0.9	4.4	0.0	
18	7.4	2.1	1.4	2.1	0.0	2.8	0.0	15.3	9.1	5.8	3.9	0.0	
19	2.9	(8.8)	0.2	11.3	0.0	3.6	0.0	12.7	(0.0)	1.8	8.7	1.6	
20	1.7	(7.5)	0.3	0.9	0.0	10.9	0.0	1.2	2.2	0.0	4.1	15.9	
21	7.3	2.1	0.0	0.0	0.0	10.7	0.0	0.1	(0.0)	0.0	0.0	0.4	
22	23.8	(0.0)	0.0	0.0	0.0	1.7	0.0	0.0	9.3	(0.0)	0.0	5.0	
23	5.7	0.7	6.3	0.0	0.0	0.3	0.0	0.0	1.2	1.7	11.2	3.5	
24	25.3	7.8	4.8	0.0	0.0	4.2	0.0	0.0	6.6	5.7	3.8	11.5	
25	17.7	19.1	0.4	(0.0)	0.0	0.7	0.0	0.0	0.0	25.2	0.3	23.5	
26	2.1	(11.7)	0.0	0.1	0.0	0.1	0.0	0.0	0.0	1.1	0.6	21.8	
27	26.5	(6.5)	0.3	0.0	0.0	0.0	3.8	1.3	0.0	16.8	0.0	2.1	
28	6.8	12.3	0.0	0.0	0.0	0.0	0.8	4.8	(0.0)	1.4	0.0	24.3	
29	12.7	*****	0.0	0.0	3.4	10.1	9.6	6.6	17.2	5.4	0.0	16.2	
30	13.2	*****	0.0	0.0	0.0	13.1	0.1	0.0	4.1	7.7	0.0	16.4	
31	10.6	*****	0.0	*****	0.0	*****	0.0	0.3	*****	10.5	*****	8.2	
TOTALS	223.2	218.6	30.6	46.8	33.4	83.3	53.2	67.4	62.7	140.7	72.1	144.7	1221.2
AVERAGE	129.0	96.0	81.0	75.0	84.0	69.0	80.0	97.0	104.0	113.0	126.0	138.0	1190.0
% OF AV.	173.0	227.7	37.8	62.4	39.8	120.7	66.5	69.5	60.3	124.5	57.2	139.1	102.6

BOTON GRANGE
RAINFALL IN MILLIMETERS FOR 1990
STATION NO 425528

NATIONAL GRID REFERENCE: EASTING 3764, NORTHING 3043 ALTITUDE - 80 METERS A.M.S.L.

DAY NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	8.4	5.3	0.8	0.0	0.0	4.7	0.0	0.0	0.0	0.1	0.3	0.0	
2	2.3	1.3	0.0	1.2	0.0	0.0	0.0	0.0	0.0	8.4	0.8	0.0	
3	0.1	0.6	0.0	2.5	0.0	0.1	7.5	0.0	0.0	0.4	0.0	0.0	
4	0.0	(0.0)	0.0	0.0	0.0	2.0	1.3	0.0	0.0	1.1	0.0	0.0	
5	4.5	(0.0)	0.0	0.0	0.0	2.0	1.0	0.0	1.7	0.3	0.0	0.0	
6	8.4	14.8	0.0	0.0	0.0	1.0	6.5	0.0	0.3	1.4	0.0	2.5	
7	1.4	12.4	0.0	0.0	1.2	0.4	0.0	0.0	0.1	0.0	0.0	(8.4)	
8	0.0	1.8	0.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	4.0	
9	0.2	(0.0)	0.0	0.0	0.2	3.5	0.0	0.0	0.0	0.0	0.3	4.0	
10	0.0	0.9	0.0	0.0	0.1	0.0	0.0	0.0	0.0	1.0	1.5	(0.0)	
11	0.0	4.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	2.9	1.3	
12	3.3	0.1	3.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	
13	0.1	2.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	
14	0.0	4.5	0.0	1.6	1.0	0.0	0.0	0.1	0.0	0.0	0.3	0.0	
15	0.0	0.0	0.0	1.2	18.8	0.0	0.0	2.2	0.0	6.0	0.1	0.2	
16	0.1	0.1	0.0	0.5	0.0	0.0	0.0	0.5	2.1	0.0	2.9	0.0	
17	0.0	2.8	0.0	1.2	0.0	0.9	0.0	10.7	0.8	5.4	2.2	0.0	
18	0.7	(0.0)	0.0	4.6	0.0	3.9	0.0	12.8	3.8	6.5	0.3	0.0	
19	1.3	0.5	4.8	6.7	0.0	0.0	0.0	7.3	0.0	6.6	15.2	0.8	
20	0.1	1.8	0.0	1.3	0.0	7.2	0.0	0.7	0.0	0.0	2.8	5.9	
21	1.5	(0.0)	0.2	0.0	0.0	13.5	0.0	0.0	0.9	0.0	0.0	0.2	
22	7.0	(0.0)	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	
23	2.9	(0.0)	1.6	0.0	0.0	1.3	0.0	0.0	0.2	0.0	3.2	3.0	
24	3.7	1.0	1.5	0.0	0.0	0.2	0.0	0.0	4.1	3.4	3.4	20.0	
25	3.3	2.8	0.0	0.9	0.0	0.0	0.0	0.0	0.0	19.1	0.0	3.8	
26	0.0	4.4	0.0	1.3	0.0	0.0	0.0	0.0	0.0	6.1	0.0	5.0	
27	28.5	(2.8)	0.0	0.0	0.0	0.0	1.4	0.0	0.0	8.3	0.2	0.1	
28	0.0	(13.7)	0.0	0.0	0.1	0.0	0.0	0.0	0.4	0.0	0.0	6.5	
29	11.8	*****	0.0	0.0	5.3	1.5	2.8	7.0	21.8	0.2	0.0	2.6	
30	7.0	*****	0.0	0.0	0.1	0.7	0.0	0.0	1.3	1.6	0.0	1.8	
31	1.0	*****	0.0	*****	0.0	*****	0.0	0.2	*****	0.4	*****	1.4	
TOTALS	97.4	78.1	15.0	23.2	25.1	44.0	20.5	41.5	46.0	76.1	41.5	72.1	580.5
AVERAGE	59.0	48.0	46.0	47.0	63.0	51.0	65.0	76.0	63.0	58.0	72.0	63.0	713.0
% OF AV.	165.1	162.7	31.3	49.4	39.8	86.3	33.5	54.6	73.0	131.2	57.6	114.8	61.4

TABLE 11 (CONTINUED)

RESERVOIR DAM
RAINFALL IN MILLIMETERS FOR 1929
STATION NO. 440885

NATIONAL GRID REFERENCE: EASTING 3371, NORTHING 2726 ALTITUDE - 191 METERS A.M.S.L.

DAY NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	5.9	11.4	1.9	0.0	0.0	4.3	0.2	0.0	0.0	0.0	0.0	0.0	
2	5.0	7.1	0.0	2.3	0.0	0.1	0.0	0.0	0.0	12.1	0.0	0.0	
3	0.0	0.4	0.0	0.0	0.0	1.1	4.3	0.0	0.0	1.3	0.0	0.0	
4	0.0	0.0	0.0	0.0	0.0	2.2	6.8	0.0	0.6	4.1	0.0	0.0	
5	1.6	0.0	0.0	0.0	0.0	1.4	1.3	0.0	4.1	1.7	0.0	0.0	
6	4.0	27.7	0.0	0.0	0.0	1.2	0.8	0.0	0.1	2.4	0.0	1.3	
7	1.3	19.8	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	9.1	
8	0.0	0.0	0.0	0.0	1.9	2.4	0.0	0.0	0.0	0.0	0.0	9.3	
9	1.1	1.0	0.0	0.0	2.8	0.1	0.0	0.0	0.0	0.0	1.2	2.5	
10	0.1	6.1	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.5	1.7	0.0	
11	0.0	16.6	0.0	0.0	0.0	0.5	0.0	0.1	0.0	0.0	12.9	0.2	
12	3.1	2.5	4.9	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	
13	0.3	8.2	0.7	0.0	0.0	0.0	0.0	1.6	0.0	0.1	4.6	0.0	
14	0.6	2.7	0.0	4.6	4.1	0.0	0.0	2.0	0.0	0.7	0.0	0.0	
15	0.8	0.0	0.0	1.1	13.5	0.0	0.0	0.8	0.0	5.7	0.2	0.4	
16	1.1	1.9	0.0	3.1	0.0	0.0	0.0	0.0	0.1	0.0	0.8	0.0	
17	0.0	3.8	0.0	3.2	0.0	2.2	0.0	4.5	0.1	2.0	1.9	0.0	
18	1.2	1.1	0.1	1.4	0.0	3.7	0.0	10.8	5.8	5.2	1.5	0.0	
19	1.1	1.3	3.6	4.1	0.0	1.6	0.0	7.1	0.0	6.0	14.4	0.1	
20	0.8	3.9	0.0	0.6	0.0	14.1	0.0	0.6	0.0	0.0	0.3	7.6	
21	5.4	0.0	0.0	0.0	0.0	14.7	0.0	0.0	1.7	0.0	0.0	0.1	
22	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.2	0.0	0.0	0.8	
23	6.4	0.0	1.2	0.0	0.0	0.0	0.0	0.0	1.1	0.3	12.7	3.0	
24	7.2	2.1	1.1	0.0	0.0	0.5	0.0	0.0	0.2	8.6	3.8	23.9	
25	8.9	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.4	0.0	9.1	
26	0.6	6.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	2.8	0.0	3.4	
27	41.7	4.1	1.1	0.0	0.0	0.6	4.3	(0.0)	0.0	12.6	0.0	1.2	
28	0.6	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.7	0.0	10.4	
29	17.8	*****	0.0	0.0	8.9	4.1	6.2	5.1	19.8	5.2	0.4	1.7	
30	15.1	*****	0.0	0.0	0.0	7.8	0.0	0.0	0.0	3.3	0.0	3.0	
31	5.3	*****	0.0	*****	0.0	*****	0.0	0.7	*****	2.4	*****	4.7	
TOTALS	150.3	146.6	14.6	22.0	31.5	64.1	24.5	33.3	45.1	98.1	56.5	91.8	777.0
AVERAGE	4.8	4.7	0.5	0.7	1.0	2.1	0.8	1.1	1.5	3.1	1.8	2.9	24.7
% OF AV.	187.9	240.3	24.3	40.0	43.2	108.1	37.1	37.8	56.4	130.8	62.1	112.0	89.4

PIEDMONT WATER RECLAMATION WORKS
RAINFALL IN MILLIMETERS FOR 1929
STATION NO. 449958

NATIONAL GRID REFERENCE: EASTING 4334, NORTHING 2739 ALTITUDE - 61 METERS A.M.S.L.

DAY NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	7.6	18.3	0.0	(0.2)	0.0	(0.0)	0.5	0.0	0.0	0.0	0.0	0.0	
2	2.8	(1.8)	0.0	(2.0)	0.0	0.0	1.2	0.0	0.0	3.3	0.0	0.0	
3	0.0	6.9	0.0	(1.3)	0.0	(0.6)	1.3	0.0	(3.0)	0.4	0.0	0.0	
4	0.0	0.0	0.0	0.0	0.0	(1.2)	10.0	0.0	0.0	(3.5)	0.0	0.0	
5	(2.1)	0.0	0.0	0.0	0.0	(3.1)	0.0	0.0	(0.5)	(3.5)	0.0	0.0	
6	(6.1)	9.8	0.0	0.0	0.0	1.7	(14.3)	0.0	0.0	0.0	0.0	0.0	
7	(2.0)	17.5	0.0	0.0	0.0	(2.0)	(0.0)	0.0	0.0	(0.0)	0.0	(14.9)	
8	0.0	0.0	0.0	0.0	0.0	(9.8)	0.0	0.0	0.0	0.0	0.0	(12.3)	
9	0.5	0.0	0.0	0.0	0.0	(2.3)	0.0	0.0	0.0	0.0	(0.8)	(2.8)	
10	0.0	7.3	0.0	0.0	0.0	(0.0)	0.0	0.0	0.0	0.0	(1.8)	0.0	
11	0.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	(2.9)	0.0	
12	4.9	0.0	0.0	(2.8)	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	
13	0.2	6.8	4.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	7.7	0.0	
14	0.0	5.7	0.0	(3.4)	1.3	0.0	0.0	(1.8)	0.0	0.0	0.0	0.0	
15	0.0	0.0	0.0	(0.2)	7.0	0.0	0.0	(2.2)	0.0	0.1	0.3	0.0	
16	0.0	(0.0)	0.0	(0.6)	0.0	0.0	0.0	(0.0)	(0.5)	0.0	0.7	0.0	
17	0.0	(3.0)	0.0	2.7	0.0	(0.5)	0.0	(9.9)	(0.4)	17.0	4.4	0.0	
18	0.0	0.0	0.0	1.5	0.0	(3.8)	0.0	(8.4)	(7.7)	9.4	0.0	0.0	
19	(2.2)	(0.1)	10.3	1.2	0.0	(0.3)	0.0	(5.9)	(0.0)	21.0	13.2	0.0	
20	0.0	(4.4)	0.0	6.4	0.0	(2.0)	0.0	0.0	0.0	0.0	0.5	2.6	
21	(1.0)	(0.1)	0.0	0.0	0.0	(12.0)	0.0	0.0	(0.5)	0.0	0.0	(0.8)	
22	7.8	0.1	0.0	0.0	0.0	(0.9)	0.0	0.0	(1.2)	0.0	0.0	(0.0)	
23	6.6	0.0	(0.0)	0.0	0.0	(1.6)	0.0	0.0	(2.5)	0.0	1.3	0.5	
24	4.7	0.0	(1.7)	0.0	0.0	0.0	0.0	0.0	(6.6)	1.6	0.3	2.3	
25	7.6	12.0	(0.1)	(0.0)	0.0	0.0	0.0	0.0	(0.0)	14.5	1.1	5.9	
26	0.0	9.2	0.0	(2.0)	0.0	0.0	0.0	0.0	0.0	2.4	0.1	(4.0)	
27	5.7	2.3	0.0	0.0	0.0	0.0	(0.3)	0.0	0.0	11.5	0.3	0.0	
28	(0.1)	4.3	0.0	0.0	0.0	0.0	(0.0)	0.0	(0.1)	0.0	0.2	6.5	
29	5.3	*****	0.0	0.0	1.0	0.0	(5.1)	0.0	(8.2)	0.0	0.0	3.1	
30	8.9	*****	0.0	0.0	2.0	3.9	(0.0)	0.0	3.8	1.9	0.0	(0.0)	
31	5.6	*****	0.0	*****	0.0	*****	0.0	0.0	*****	0.6	*****	1.1	
TOTALS	(41.7)	(118.0)	(16.3)	24.4	11.3	46.6	32.7	28.2	35.0	90.7	36.4	(56.8)	576.1
AVERAGE	54.0	43.0	44.0	41.0	57.0	49.0	55.0	72.0	54.0	54.0	63.0	56.0	644.0
% OF AV.	151.3	269.8	37.0	56.7	19.8	95.1	59.5	39.2	64.8	168.0	57.8	101.4	89.5

TABLE 11 (CONTINUED)

FEDERAL CURE OF BROOKLYN
RAILROAD IN NEW YORK FOR 1990
STATION NO 4571A
ALTIMORE - 40 NORTH A.M.E.L.

NATIONAL GRID REFERENCE: EASTING 1979, NORTHING 1983

DAY NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
TOTALS	96.0	98.5	13.4	36.5	15.2	39.7	14.2	22.9	47.4	65.0	24.1	70.8	543.7
% OF AV	55.0	58.0	42.0	43.0	25.8	66.3	25.8	25.8	84.6	125.0	36.5	124.2	84.8
1	5.5	7.1	0.5	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	1.8	10.9	1.4	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	(0.0)	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	5.5	10.5	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	1.1	18.1	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.3	(0.0)	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	3.2	0.0	0.0	(0.0)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	3.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	(0.0)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	(0.0)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.2	(0.0)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	(0.0)	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	4.2	(0.0)	0.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.5	1.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	1.3	1.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	15.1	(0.0)	(0.0)	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	4.2	(0.0)	1.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	5.1	0.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	4.0	7.6	0.0	(0.0)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	5.2	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	14.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.2	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	6.3	(0.0)	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	15.2	(0.0)	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	3.4	(0.0)	0.0	(0.0)	0.0	(0.0)	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FEDERAL CURE OF BROOKLYN
RAILROAD IN NEW YORK FOR 1990
STATION NO 054325
ALTIMORE - 119 NORTH A.M.E.L.

NATIONAL GRID REFERENCE: EASTING 1979, NORTHING 1983

DAY NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
TOTALS	90.6	111.7	24.8	24.8	19.4	52.7	26.0	41.2	17.1	67.2	46.8	63.7	595.5
% OF AV	58.0	68.0	46.0	46.0	31.8	109.8	43.3	56.4	32.9	117.9	85.9	104.4	683.0
1	7.1	17.6	0.4	0.0	0.0	2.6	1.3	0.0	0.0	0.0	2.6	0.0	0.0
2	5.2	3.7	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.2	1.6	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	(2.3)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.6	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	4.8	13.8	0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	1.9	10.4	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.2	1.3	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	1.3	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	3.6	(3.1)	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	3.5	(2.0)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	6.1	0.0	3.8	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.2	0.0	0.0	0.4	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	2.7	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	1.0	0.3	0.0	2.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.9	7.8	0.0	6.8	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.5	1.5	0.0	3.0	0.0	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	2.6	0.0	0.0	0.1	0.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	(9.0)	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	(2.7)	0.0	0.0	1.3	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	5.2	2.8	1.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	2.6	6.2	0.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	6.7	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	22.0	2.8	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.1	15.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	14.6	(0.0)	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	14.6	(0.0)	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.4	(0.0)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 11 (CONTINUED)

 WASH. STATE
 NATIONAL IN MONTHS FOR 1959
 STATION NO. 10444

NATIONAL GRID REFERENCE: EASTING 4115, NORTHING 1074 ALTITUDE - 221 METERS A.M.S.L.

DAY NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
TOTALS	(170.1)	(140.0)	56.7	74.2	29.2	98.6	45.5	66.0	68.1	156.3	67.8	166.9	1197.4
% OF AV.	121.9	140.0	69.1	95.1	36.5	118.8	45.5	75.7	79.4	148.1	67.5	128.4	96.5
AVERAGE	129.0	100.0	82.0	78.0	80.0	83.0	100.0	111.0	113.0	107.0	130.0	130.0	1241.0
1	9.8	4.9	2.9	0.0	0.0	1.4	3.1	0.0	0.0	0.0	1.6	0.0	0.0
2	3.1	1.5	1.6	1.6	0.0	7.6	0.0	0.0	0.0	12.4	2.8	0.0	0.0
3	0.0	0.0	1.6	0.2	0.0	23.9	0.0	0.0	0.0	0.0	0.1	0.0	0.0
4	0.0	0.0	4.1	0.2	0.0	0.0	14.4	0.0	0.0	0.0	0.1	0.0	0.0
5	2.4	3.2	3.0	0.0	0.0	2.2	8.1	0.0	0.0	10.1	6.9	0.0	0.0
6	6.0	(24.8)	0.0	0.0	0.0	(4.0)	1.9	0.0	0.0	0.0	0.0	0.0	14.5
7	5.0	(12.9)	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
8	0.0	0.0	2.2	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	16.0	0.0
9	0.0	0.0	0.9	3.9	0.0	7.9	7.1	0.0	0.0	4.4	0.0	4.7	0.0
10	6.9	7.9	0.0	0.0	0.0	(1.4)	0.0	0.0	0.0	2.5	5.0	6.4	1.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	4.9	3.8	3.3	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
13	3.7	(10.8)	3.5	4.1	(0.0)	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0
14	9.1	(8.1)	0.0	4.0	(2.7)	0.0	0.0	0.0	0.0	0.0	7.6	0.0	0.0
15	3.2	(2.2)	0.0	4.3	(12.7)	0.0	0.0	0.0	0.0	1.3	3.4	1.0	0.4
16	7.5	1.6	0.0	8.7	0.0	0.0	0.0	0.0	1.5	0.0	11.1	0.4	0.0
17	0.0	5.7	0.0	8.1	0.0	0.0	0.0	0.0	2.5	23.0	5.3	0.5	0.0
18	0.5	0.2	1.2	0.0	0.0	4.2	0.0	0.0	15.7	0.0	7.3	0.8	0.0
19	(1.1)	2.5	0.0	15.5	0.0	0.0	0.0	0.0	21.2	2.2	13.2	8.0	0.0
20	(1.5)	5.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	0.0	13.7	0.0
21	3.2	0.0	0.0	0.1	0.0	17.5	0.0	0.0	2.2	0.0	0.0	2.9	0.0
22	10.1	0.0	0.0	0.0	0.0	2.1	0.0	0.0	8.2	0.0	0.0	0.4	0.0
23	4.3	0.5	14.0	0.0	0.0	4.8	0.0	0.0	1.9	0.0	4.7	2.8	0.0
24	7.4	3.7	9.8	0.0	0.0	6.5	0.0	0.0	0.4	5.5	8.1	10.5	0.0
25	17.4	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	13.6	0.5	20.0	0.0
26	0.0	11.2	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.4	1.6	26.7	0.0
27	(13.2)	6.7	0.0	0.0	0.5	2.2	0.0	0.0	0.7	12.8	0.0	6.3	0.0
28	12.6	12.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	22.4	0.0	22.0	0.0
29	5.2	0.0	0.0	0.0	0.0	4.7	0.0	0.0	13.8	3.6	0.0	2.0	0.0
30	8.7	0.0	0.0	0.0	0.0	2.2	0.0	0.0	4.8	0.0	0.0	1.5	0.0
31	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.1	0.0	0.0	8.2	0.0

NATIONAL GRID REFERENCE: EASTING 4313, NORTHING 1172 ALTITUDE - 54 METERS A.M.S.L.

 WASH. STATE
 NATIONAL IN MONTHS FOR 1959
 STATION NO. 10433

DAY NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
TOTALS	92.0	123.9	20.5	21.4	19.1	89.4	32.4	52.2	45.9	102.7	(54.7)	(106.3)	762.5
% OF AV.	143.7	242.9	42.7	44.7	34.1	162.5	53.1	70.5	71.7	177.1	80.4	166.1	107.2
AVERAGE	64.0	51.0	48.0	48.0	56.0	55.0	61.0	74.0	64.0	58.0	68.0	64.0	711.0
1	7.0	5.9	(0.2)	0.0	0.0	3.7	1.6	0.0	0.0	0.0	(1.2)	0.0	0.0
2	2.2	0.3	(1.8)	(1.8)	0.0	1.7	0.0	0.0	0.0	0.0	7.5	0.0	0.0
3	0.0	0.7	0.0	(1.0)	0.0	1.3	5.2	0.0	0.0	2.1	0.0	0.0	0.0
4	0.0	0.0	0.5	0.0	0.0	0.2	6.6	0.0	0.0	1.0	0.0	0.0	0.0
5	0.6	0.0	0.0	0.0	0.0	7.5	0.4	0.0	0.0	1.0	0.0	0.0	0.0
6	3.5	13.8	0.0	0.0	0.0	1.3	5.2	0.0	0.0	1.7	0.0	1.3	0.0
7	2.4	27.5	0.0	0.0	0.0	8.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.2	3.0	3.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0
10	0.8	1.5	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	1.2	0.0
11	0.0	5.3	0.0	(0.0)	0.0	0.0	0.0	0.0	0.0	0.0	7.6	1.3	0.0
12	2.6	3.2	(1.4)	(1.4)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
13	0.5	4.1	(4.0)	(0.0)	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0
14	(0.5)	7.7	(5.5)	(5.5)	1.0	0.0	3.5	0.0	0.0	0.0	0.1	0.0	0.0
15	1.0	(0.1)	0.0	(1.0)	10.0	0.0	6.4	0.0	0.0	0.0	5.3	0.1	0.0
16	0.0	(0.4)	0.0	(1.0)	0.0	0.0	4.4	0.0	0.2	0.0	0.0	0.3	0.0
17	0.0	2.1	(1.6)	(2.5)	0.0	(2.7)	13.0	0.0	6.4	18.5	4.3	0.2	0.0
18	1.0	0.1	0.0	(2.5)	0.0	0.0	0.0	0.0	9.5	0.0	1.4	0.0	0.0
19	4.5	0.3	3.7	(4.7)	0.0	(1.0)	17.6	0.0	3.4	3.6	12.0	0.2	0.0
20	0.3	2.5	0.2	(1.5)	0.0	(0.0)	1.0	0.0	4.3	0.0	0.5	0.0	0.0
21	4.6	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	7.5	0.0	0.0	0.0	0.0	2.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0
23	2.0	0.1	2.8	0.0	0.0	2.2	0.0	0.0	1.7	0.0	0.6	2.6	0.0
24	4.3	0.9	2.1	0.0	0.0	3.9	0.0	0.0	(10.3)	2.2	1.0	3.2	0.0
25	4.7	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	(12.2)	0.2	13.3	0.0
26	0.0	15.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	(2.1)	0.5	8.6	0.0
27	22.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.3	0.0	0.0
28	0.6	24.8	0.0	0.0	0.4	0.0	0.0	0.0	10.5	(0.1)	0.0	5.3	0.0
29	1.9	0.0	0.0	0.0	1.2	1.0	0.6	0.0	2.2	0.0	0.0	4.7	0.0
30	12.3	0.0	0.0	0.0	0.0	15.7	0.0	0.0	8.4	0.0	0.0	4.0	0.0
31	1.9	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	19.7	0.0	6.7	0.0

TABLE 11 (CONTINUED)

READY PUMPING STATION
RAINFALL IN MILLIMETERS FOR 1990
STATION NO. 118154

NATIONAL GRID REFERENCE: EASTING 4815, NORTING 4112 ALTITUDE - 5 METRES A.M.S.L.

DAY NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	2.0	3.6	0.4	0.0	0.0	3.5	1.8	0.0	0.0	0.0	0.0	0.0	
2	0.8	0.2	0.0	0.5	0.0	0.7	0.1	0.0	0.0	1.8	0.0	0.1	
3	0.0	0.8	0.0	2.1	0.0	8.4	0.2	0.0	0.0	0.2	0.8	0.0	
4	0.1	0.0	0.0	0.0	0.0	0.2	11.0	0.0	0.0	0.0	0.4	0.0	
5	0.2	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.5	0.2	0.0	0.0	
6	1.9	2.8	0.0	0.0	0.5	1.2	2.4	1.7	0.5	0.4	0.4	0.0	
7	3.5	12.1	0.0	0.2	1.9	1.0	2.4	0.0	0.0	0.0	0.0	17.0	
8	0.2	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	10.0	
9	0.0	0.0	0.3	0.0	3.7	6.7	0.0	2.7	0.0	2.6	0.4	1.1	
10	0.0	1.2	0.0	0.2	0.4	0.0	0.0	0.0	0.0	1.6	2.7	0.7	
11	0.0	0.5	0.0	0.0	1.7	0.1	0.0	0.0	0.0	0.0	2.1	1.3	
12	1.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	
13	1.5	2.5	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	
14	0.1	4.8	0.0	1.7	3.1	0.0	0.0	3.5	0.0	0.0	0.2	0.0	
15	0.0	0.0	0.0	0.0	9.6	0.0	1.8	0.0	0.0	0.1	0.2	0.5	
16	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	3.7	0.0	
17	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	1.2	0.1	
18	0.0	0.0	0.0	0.8	0.0	3.9	0.0	7.0	2.5	6.5	0.8	0.0	
19	0.0	0.0	0.0	4.9	0.0	0.2	0.0	8.8	0.0	0.2	0.7	0.0	
20	0.0	0.9	0.0	0.2	0.0	0.5	0.0	0.0	1.7	0.0	0.0	0.2	
21	0.5	0.0	0.0	0.0	0.0	13.2	0.0	0.0	0.0	0.0	0.0	0.0	
22	0.5	0.0	0.0	0.0	0.0	0.3	0.0	0.0	1.5	0.0	0.1	0.2	
23	2.1	0.0	0.3	0.0	0.0	0.0	0.0	0.2	1.4	0.0	0.0	1.3	
24	5.8	0.0	0.5	0.0	0.0	1.2	0.0	0.0	6.5	0.0	0.4	4.9	
25	3.5	(3.3)	0.0	0.7	0.0	0.0	0.0	0.0	0.0	3.7	0.5	6.2	
26	0.0	(5.1)	0.0	4.1	0.0	0.0	0.0	0.0	0.0	2.0	1.2	7.9	
27	15.3	0.3	0.0	0.0	0.0	5.1	0.0	0.0	0.6	3.7	1.9	1.1	
28	0.3	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	13.1	
29	0.4	*****	0.0	0.0	0.0	6.1	5.4	1.0	4.7	0.6	1.5	0.0	
30	3.1	*****	0.0	0.0	0.0	3.2	0.0	0.0	3.7	1.7	0.0	0.1	
31	0.6	*****	0.0	*****	0.0	*****	0.0	0.0	*****	0.0	*****	1.4	
TOTALS	46.5	46.1	4.6	15.4	20.9	62.4	75.1	24.9	26.5	27.9	27.1	67.2	392.6
AVERAGE	51.0	42.0	39.0	42.0	46.0	49.0	60.0	72.0	50.0	49.0	64.0	48.0	611.0
% OF AV.	91.2	109.8	12.1	36.7	45.4	127.3	41.8	34.6	53.0	56.9	42.3	135.8	64.3

ULVERHORN
RAINFALL IN MILLIMETERS FOR 1990
STATION NO. 118807

NATIONAL GRID REFERENCE: EASTING 4488, NORTING 3117 ALTITUDE - 105 METRES A.M.S.L.

DAY NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	4.1	11.1	0.9	0.3	0.0	2.3	5.5	0.0	0.0	0.0	2.4	0.0	
2	1.5	1.7	0.0	1.5	0.0	1.1	0.8	0.0	0.0	2.5	0.2	0.0	
3	0.0	3.1	0.0	1.7	0.0	0.0	2.0	0.0	1.1	0.2	0.0	0.0	
4	0.0	0.0	0.0	0.0	0.0	0.2	9.2	0.0	0.2	3.6	0.0	0.0	
5	1.1	0.0	0.0	0.0	0.0	2.6	0.7	0.0	0.6	2.7	0.0	0.0	
6	3.5	10.9	0.0	0.0	0.0	0.8	5.3	0.0	0.0	2.0	0.2	0.4	
7	3.2	17.2	0.0	0.0	0.4	1.1	0.0	0.0	0.0	0.0	0.0	17.7	
8	0.2	0.4	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	17.8	
9	0.3	0.0	1.4	0.0	2.4	3.0	0.6	0.0	0.0	0.0	1.0	5.4	
10	0.2	4.5	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	2.7	0.0	
11	0.0	5.3	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	5.9	0.9	
12	4.0	0.1	0.0	2.0	0.0	0.1	0.0	0.0	0.0	0.0	0.9	0.0	
13	0.2	1.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	
14	1.9	6.6	0.0	3.0	1.0	0.0	0.0	2.5	0.0	0.0	0.9	0.0	
15	0.2	0.0	0.0	0.4	7.7	0.0	3.4	0.1	0.0	0.0	3.5	1.4	
16	0.3	0.3	0.0	0.3	0.0	0.0	0.0	0.7	0.3	0.0	11.5	0.1	
17	0.0	2.5	0.0	2.8	0.0	0.0	0.0	3.8	0.5	30.1	6.8	0.5	
18	0.0	0.0	0.0	1.9	0.0	3.8	0.0	19.8	5.8	12.0	0.0	0.1	
19	2.1	0.2	8.1	6.4	0.0	1.6	0.0	23.3	0.0	4.4	17.9	0.0	
20	0.2	2.4	0.0	5.4	0.0	4.5	0.0	0.2	1.8	0.0	0.1	5.9	
21	1.3	0.0	0.1	0.0	0.0	19.4	0.0	0.0	0.2	0.0	0.0	2.0	
22	8.1	0.0	0.0	0.0	0.0	0.4	0.0	0.0	2.5	0.0	0.0	0.2	
23	5.5	0.0	2.0	0.0	0.0	3.1	0.0	0.0	0.9	0.0	1.5	2.0	
24	3.5	0.2	1.3	0.0	0.0	0.5	0.0	0.0	5.9	1.7	1.1	4.5	
25	2.7	2.8	0.1	0.0	0.0	0.3	0.0	0.0	0.0	10.0	1.2	9.8	
26	0.1	11.2	0.0	1.9	0.0	0.0	0.0	0.0	0.0	1.2	0.6	0.5	
27	16.0	1.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0	11.1	0.7	0.0	
28	0.1	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	6.1	
29	2.7	*****	0.0	0.0	1.6	2.3	3.8	0.2	8.4	1.5	0.6	0.6	
30	11.8	*****	0.0	0.0	(0.0)	2.5	0.2	0.0	1.0	4.4	0.0	2.4	
31	6.0	*****	0.0	*****	0.0	*****	0.0	0.0	*****	5.3	*****	1.0	
TOTALS	80.8	92.9	16.3	27.6	13.6	53.6	31.4	50.6	30.2	92.7	66.9	99.3	655.9
AVERAGE	65.0	52.0	52.0	51.0	59.0	55.0	64.0	76.0	61.0	62.0	72.0	63.0	732.0
% OF AV.	124.3	178.7	11.3	54.1	23.1	97.5	49.1	66.6	49.5	149.5	62.9	157.6	69.6

TABLE 12

SEVERN-TRENT REGION - AREAL RAINFALL FOR 1990

AREA		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
SEVERN-TRENT	mm	102	109	19	31	18	64	28	38	47	93	52	81	682
	%LTA	147	205	36	60	29	115	43	47	70	143	66	116	88
SEVERN BASIN	mm	117	121	19	34	19	61	25	35	50	94	53	85	713
	%LTA	161	217	34	64	28	109	39	42	70	137	64	112	88
WELSH MOUNTAINS	mm	246	243	51	49	36	94	48	67	81	173	116	178	1402
	%LTA	177	229	56	58	39	122	53	59	68	138	83	120	106
SHROPSHIRE PLAIN	mm	112	81	13	29	24	50	22	42	60	62	54	81	630
	%LTA	180	169	27	59	36	94	33	53	92	102	75	135	86
MID-SEVERN/TEME	mm	120	112	16	28	25	62	23	33	45	97	52	77	690
	%LTA	176	210	29	52	36	115	37	40	65	150	68	110	89
AVON TO EVESHAM	mm	70	93	12	33	7	49	23	23	39	85	35	62	531
	%LTA	120	212	27	74	11	96	39	31	68	149	53	109	79
LOWER SEVERN/ESTUARY	mm	104	119	14	38	10	57	19	29	40	75	33	68	606
	%LTA	170	248	33	82	17	110	32	37	66	132	43	97	86
TRENT BASIN	mm	85	96	19	28	18	67	30	40	44	91	51	77	645
	%LTA	130	191	37	55	29	121	46	51	71	146	69	122	88
UPPER TRENT	mm	85	73	17	33	21	67	38	47	77	78	53	83	672
	%LTA	127	143	35	64	33	118	57	58	113	122	71	121	88
TAME	mm	85	95	16	27	14	60	26	35	36	77	45	66	582
	%LTA	140	198	33	55	23	115	42	47	61	131	64	104	82
DOVE	mm	115	121	28	37	22	96	41	50	74	134	68	87	873
	%LTA	135	183	46	58	32	138	50	52	89	169	74	98	93
DERWENT	mm	131	142	32	40	24	90	36	56	57	142	72	136	958
	%LTA	133	182	47	58	33	131	45	59	67	171	69	139	96
SOAR	mm	68	94	14	27	14	49	27	35	24	84	55	57	548
	%LTA	115	200	31	58	25	97	46	49	44	150	84	100	82
LOWER TRENT	mm	60	80	13	18	20	68	25	36	31	79	34	69	533
	%LTA	114	178	31	42	40	149	46	54	61	164	54	142	87

Rainfall in millimetres (mm)

%LTA - monthly rainfall total as a percentage of the Long Term monthly Average (1941 to 1970).

E. GROUNDWATER.

1. GROUNDWATER HYDROGRAPHS FOR 1990

The twelve examples of groundwater hydrographs shown in figures 17 to 28 (starting page 78) show levels for 1990 compared with those for a number of previous years. Ten of the sites are on sandstone aquifers. Three of these four, Weeford Flats, Shrawley and Heathlanes, demonstrate clear annual cycles, levels usually rising in mid year in response to winter rainfall. This lag is much less evident for the Two Dale Barn site on Carboniferous limestone, which also demonstrates the sharp fluctuations in level typical of this aquifer. The site locations are shown in figure 16 (page 77). These examples are selected from the 350 sites for which data are available.

Some sites on sandstone aquifers such as Sunnybank Farm, Swinnow Wood and Hazel Hill show consistently falling levels throughout 1989/90, whereas others such as Weeford Flats, Heathlanes and Check Hill show a rise due to recharge from the heavy rainfall during January and February, followed by a fall reflecting the dry spring and summer. Note that many of the sandstone sites show a considerable response lag to changes in the recharge rate, with the result that the effects of a dry summer are not recorded until well into the winter period. Most sites remain above the levels recorded in 1976.

The two wells in limestone aquifers, Two Dale Barn and Hodhill Farm demonstrate the rapid response to rainfall so typical of this rock type, the peaks due to winter rainfall showing virtually no time lag.

FIGURE 16

LOCATION MAP FOR SAMPLE GROUNDWATER SITES

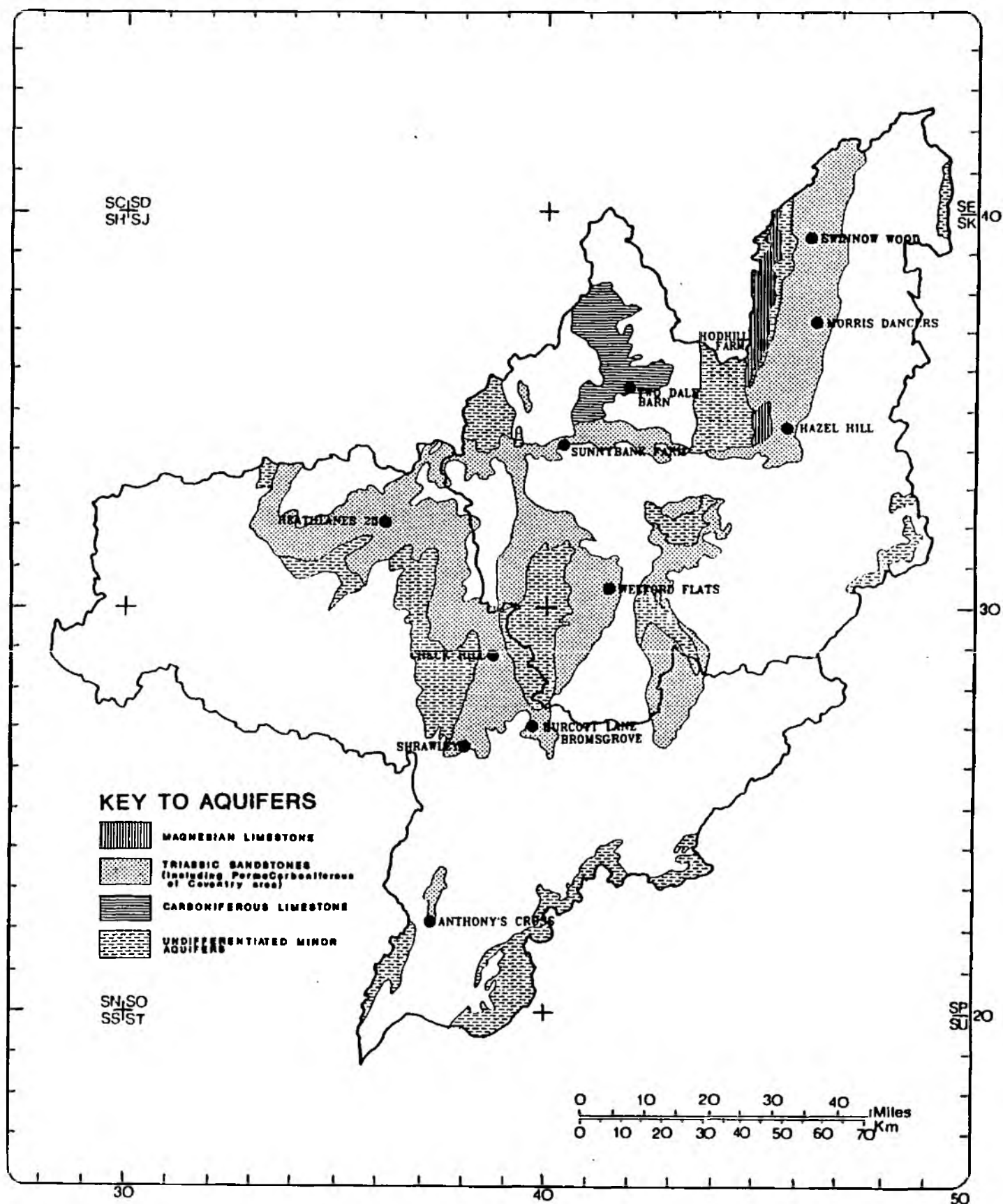
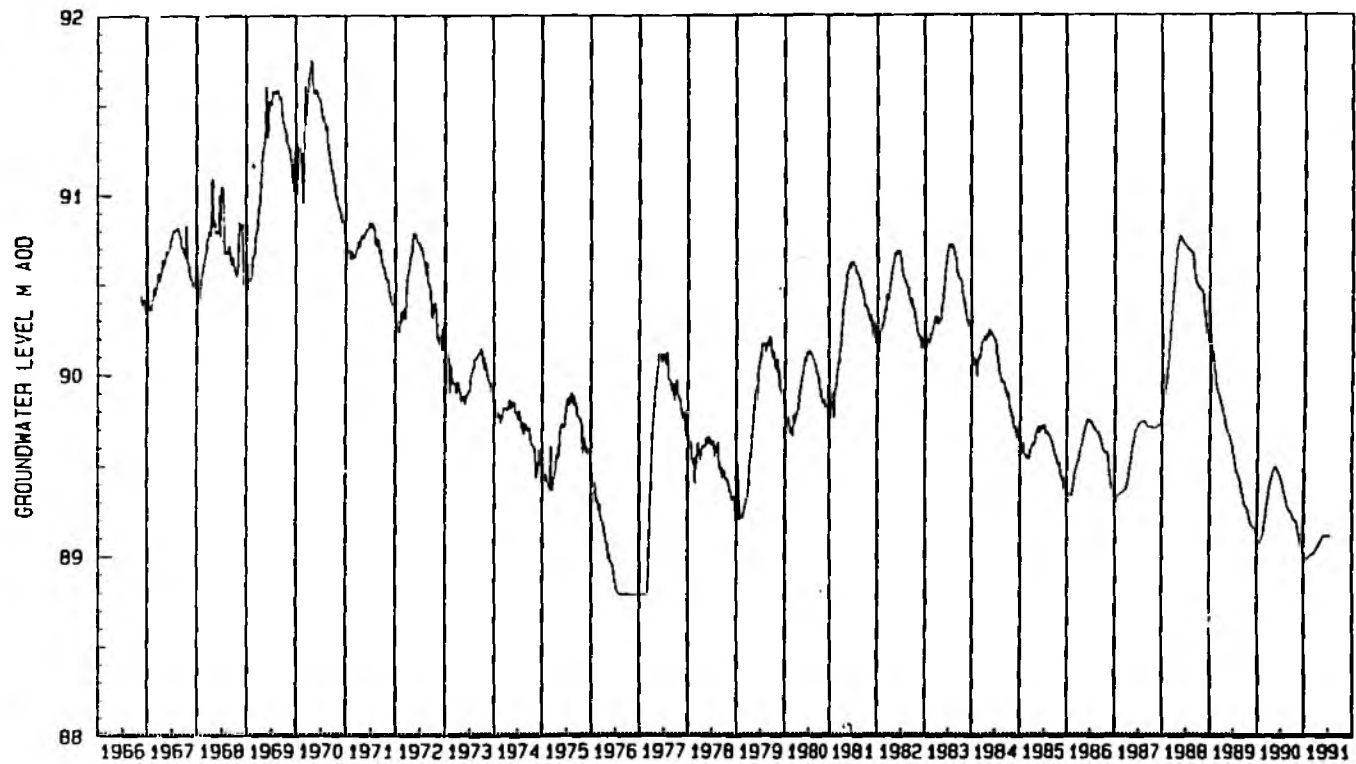
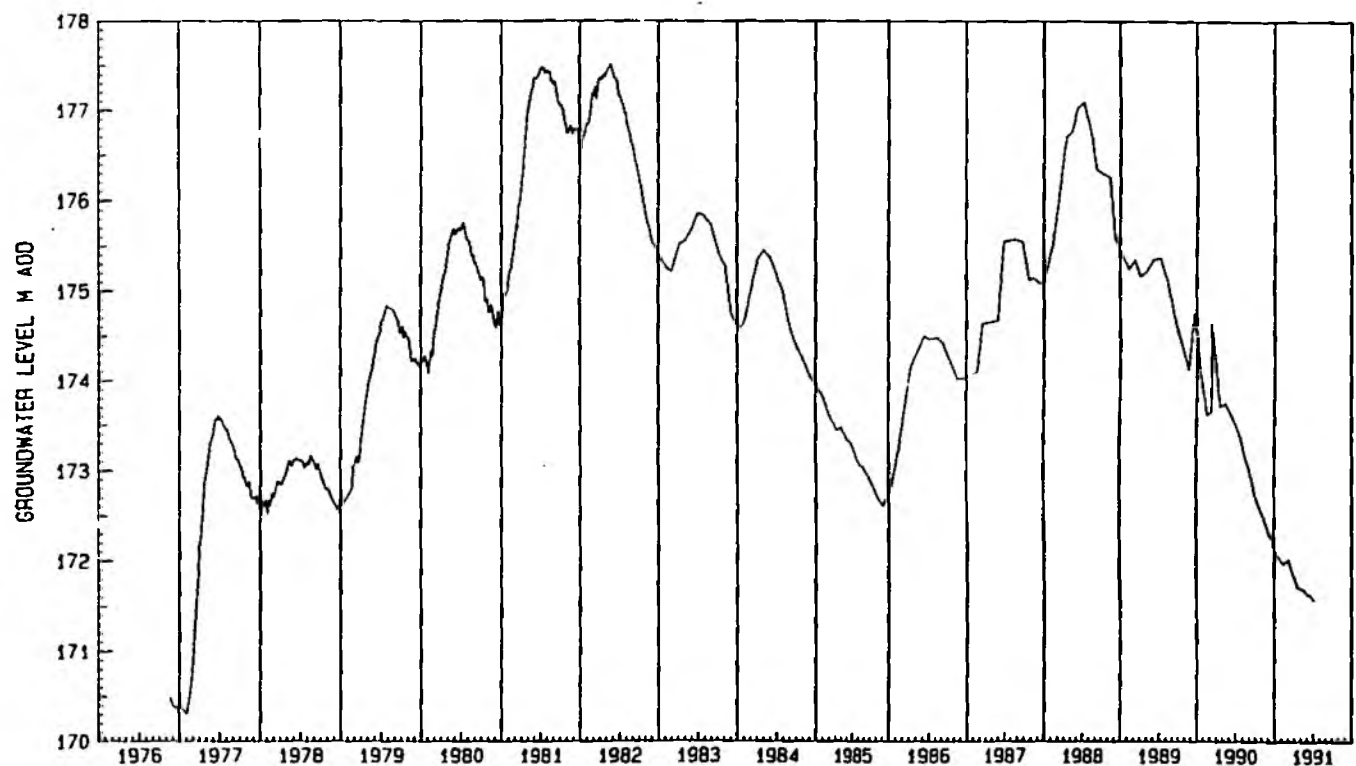


FIGURE 17



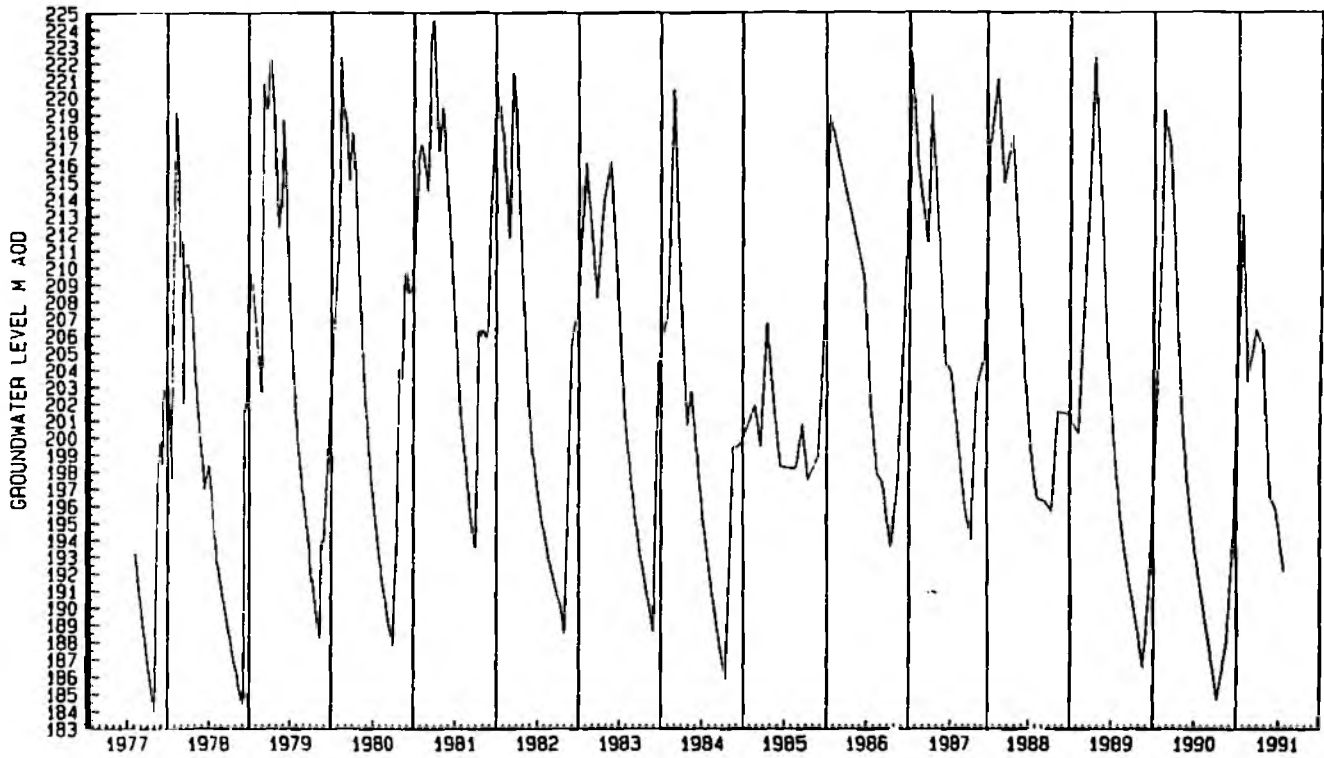
NRA	SEVERN TRENT REGION*	GROUNDWATER HYDROGRAPH		
		WEEFORD FLATS	SK14400464	1200

FIGURE 18



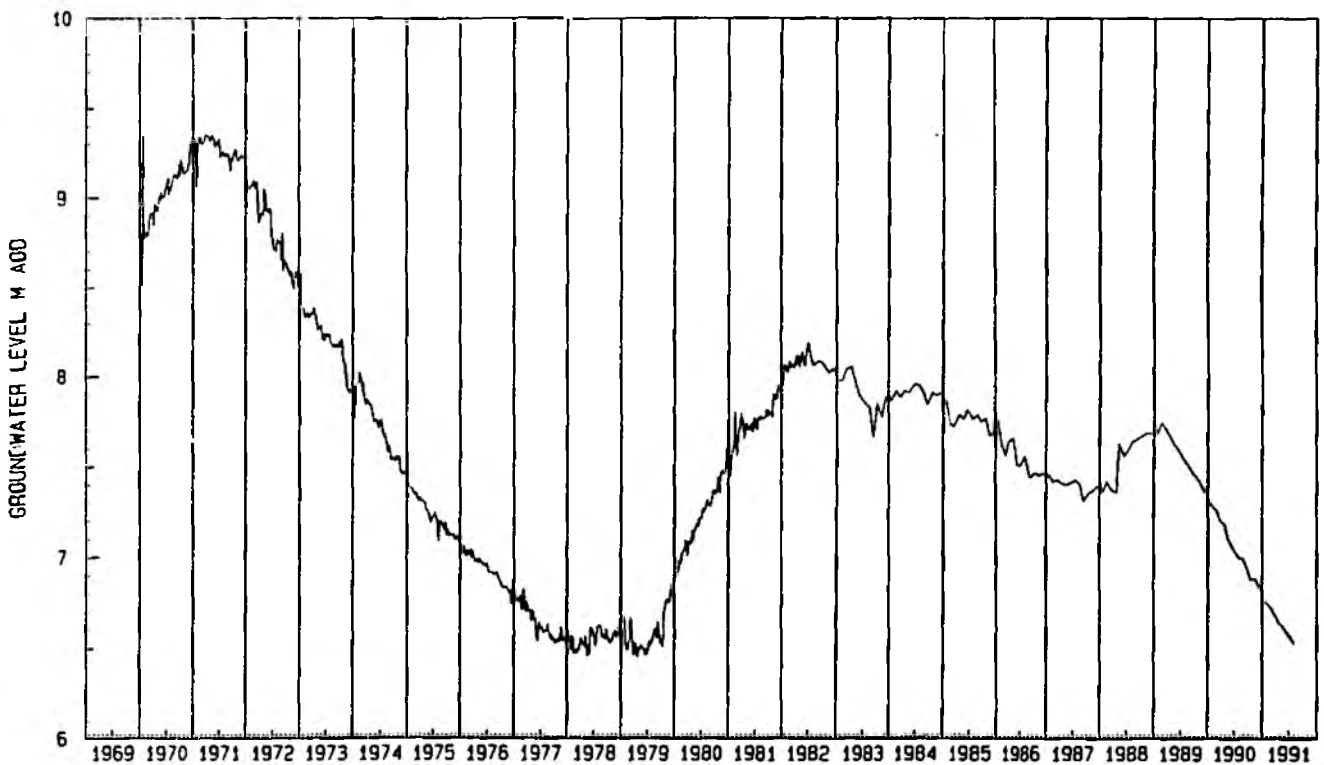
NRA	SEVERN TRENT REGION	GROUNDWATER HYDROGRAPH		
		SUNNYBANK FARM	SK03604065	1446

FIGURE 19



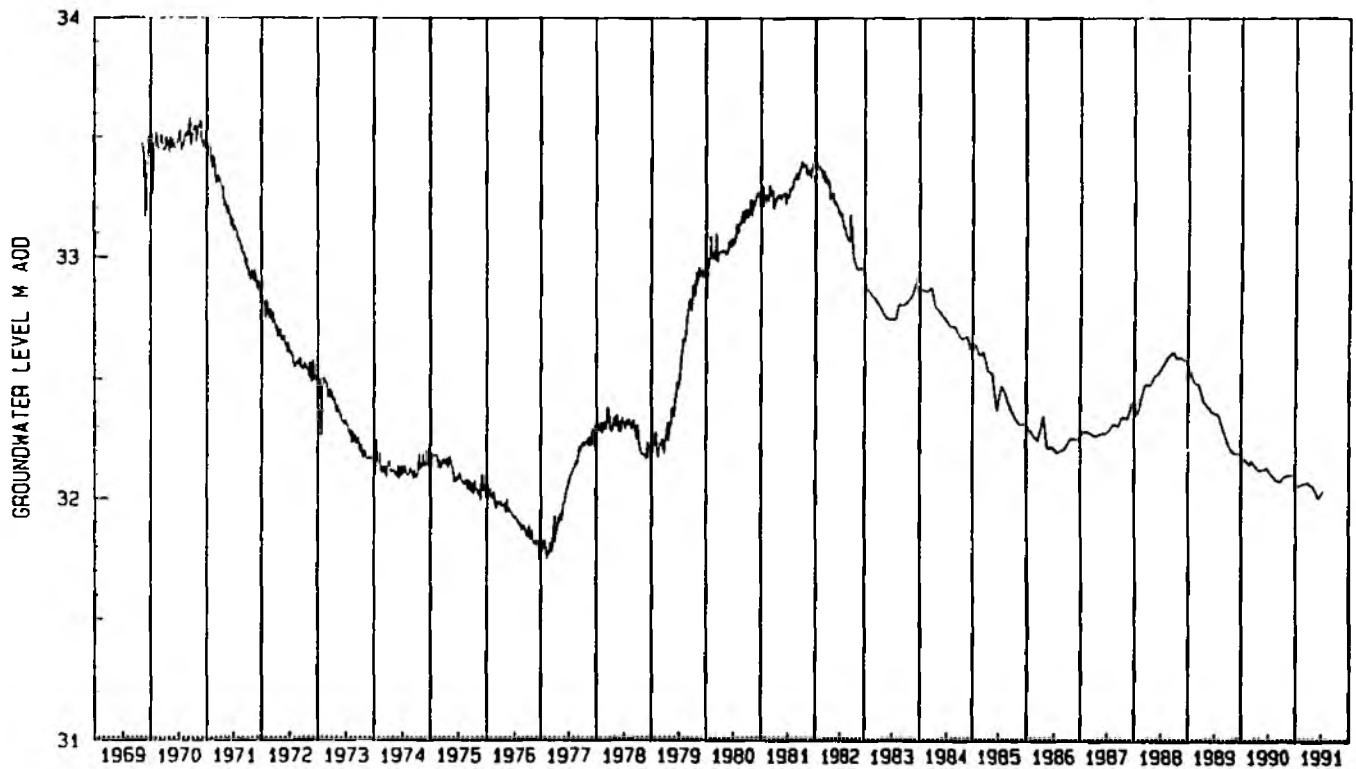
NRA	SEVERN TRENT REGION	GROUNDWATER HYDROGRAPH		
		TWO DALE BARN	SK19405580	1437

FIGURE 20



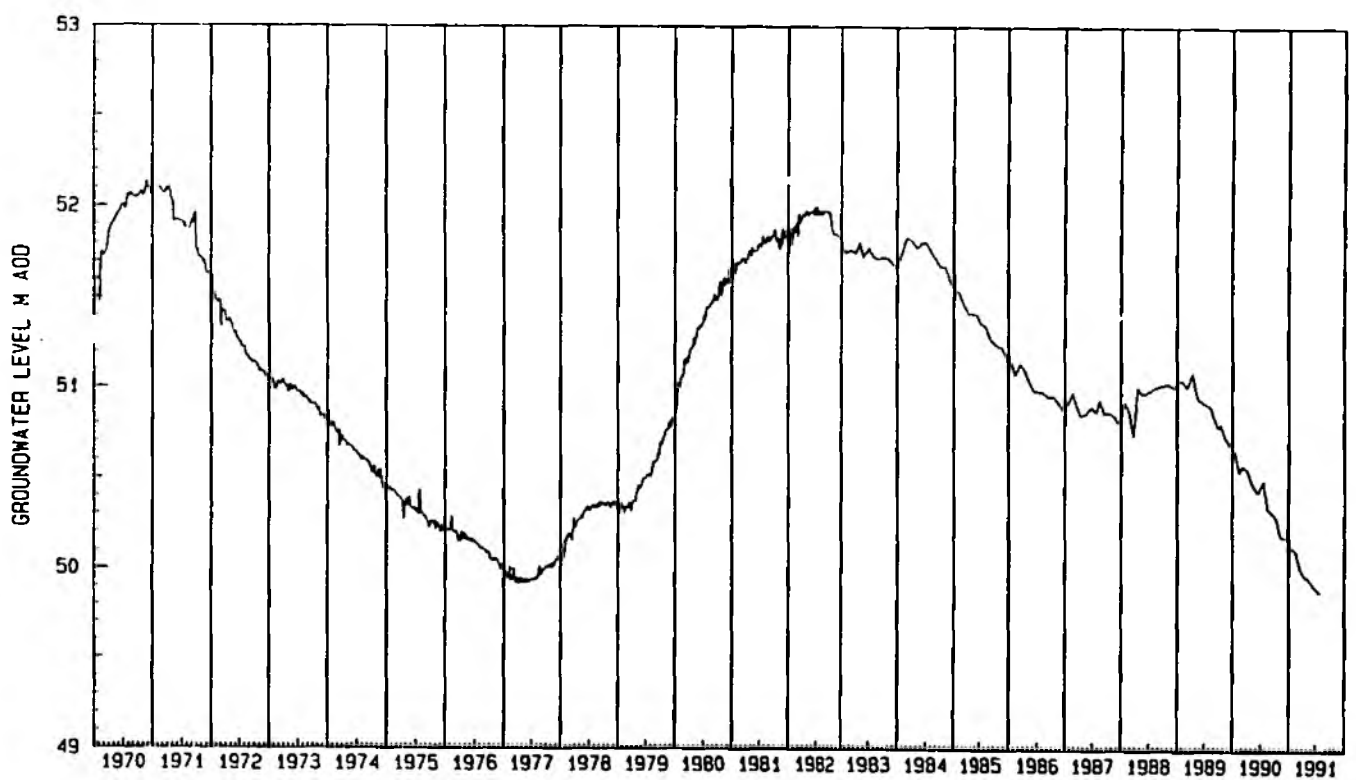
NRA	SEVERN TRENT REGION	GROUNDWATER HYDROGRAPH		
		SWINNOW WOOD	SK63079355	1716

FIGURE 21



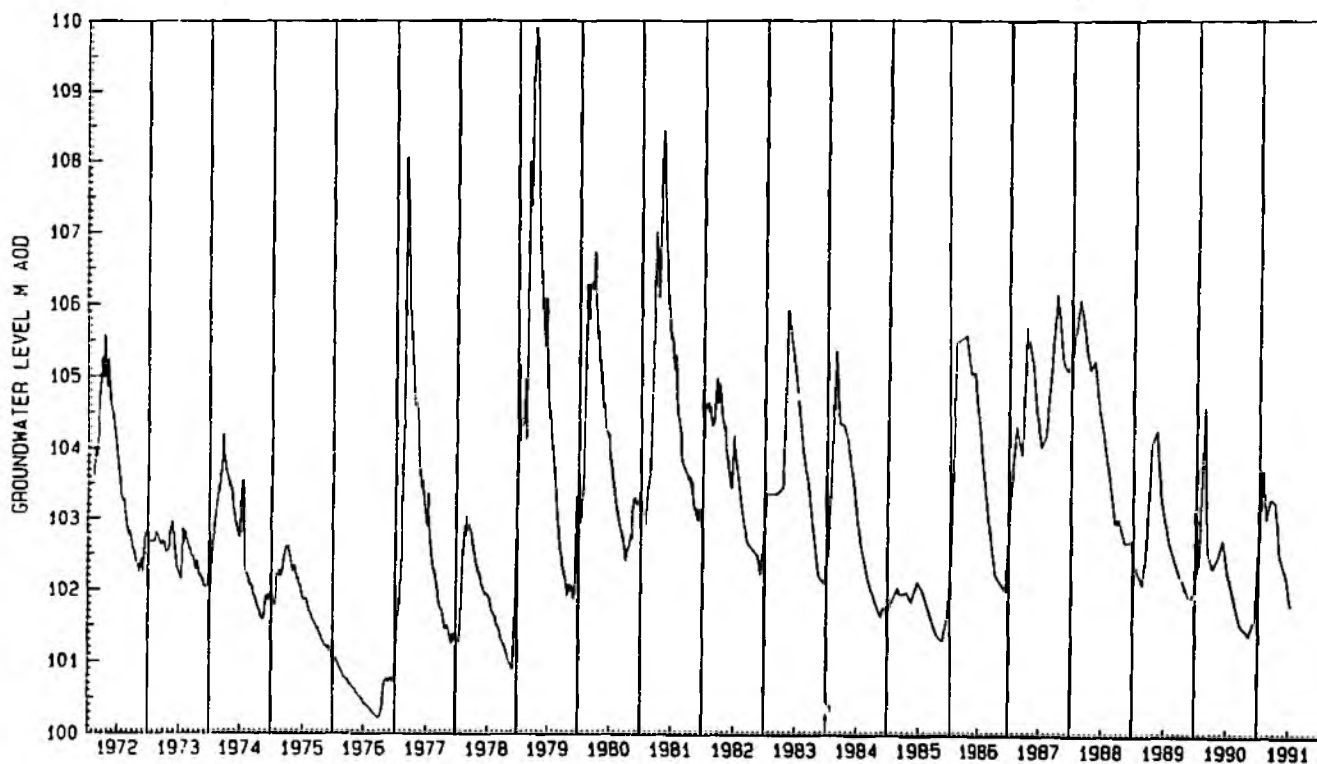
NRA	SEVERN TRENT REGION	GROUNDWATER HYDROGRAPH		
		MORRIS DANCERS	SK64487257	1730

FIGURE 22



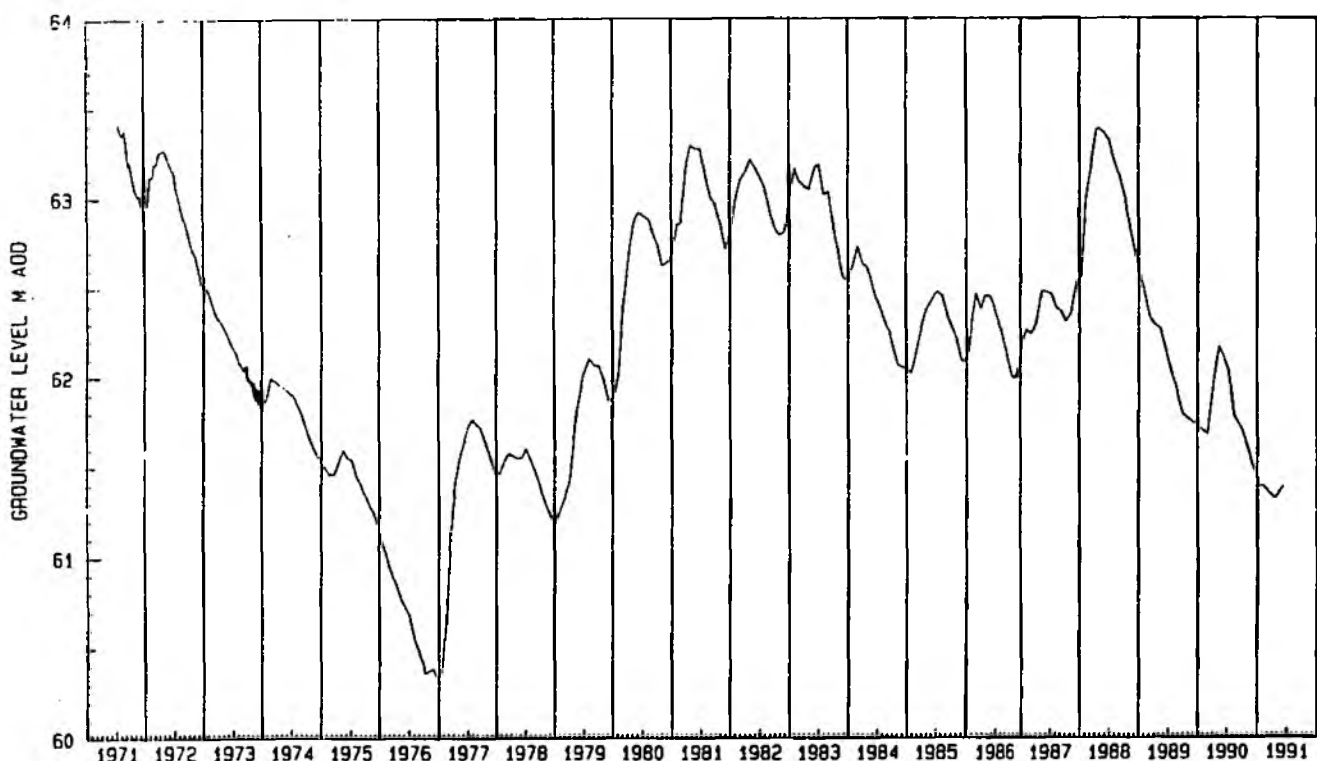
NRA	SEVERN TRENT REGION	GROUNDWATER HYDROGRAPH		
		HAZEL HILL	SK56634637	1737

FIGURE 23



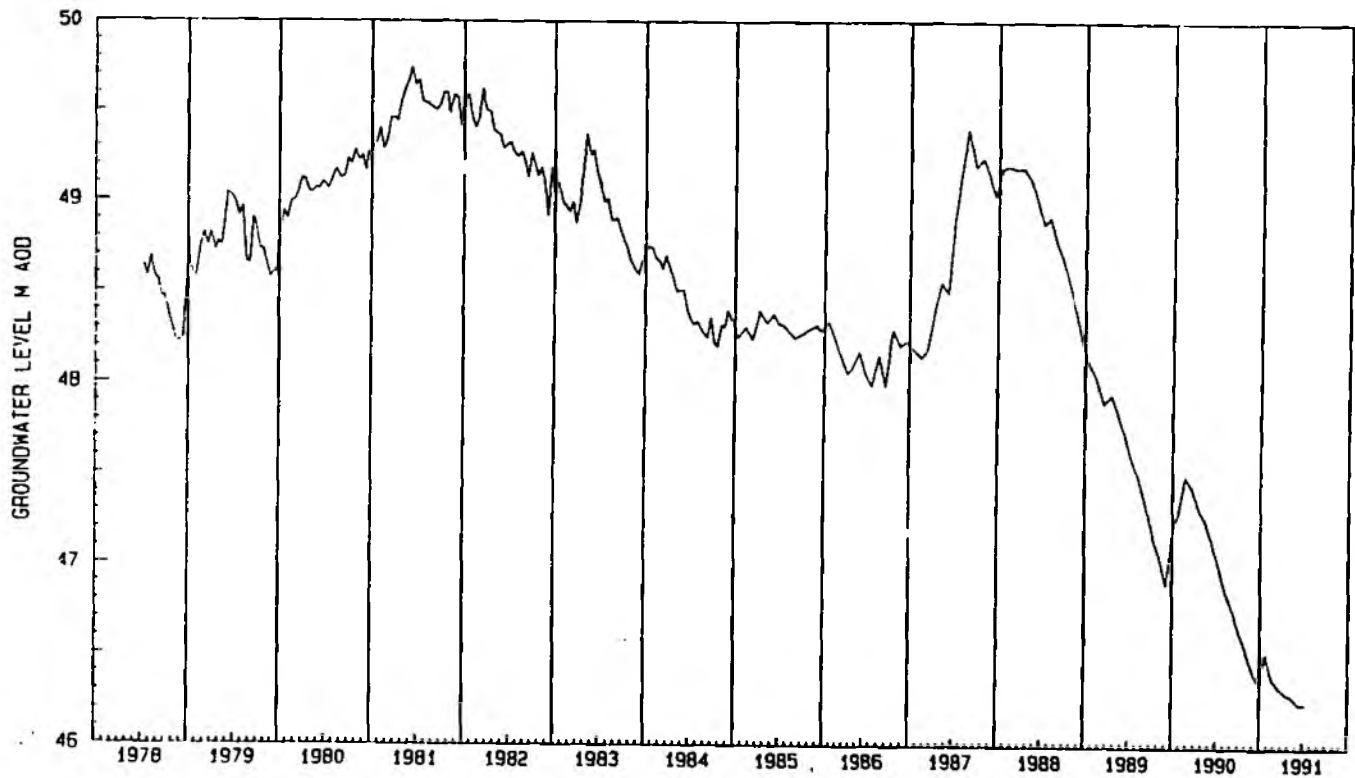
NRA	SEVERN TRENT REGION	GROUNDWATER HYDROGRAPH		
		HODHILL FARM	SK52076635	1766

FIGURE 24



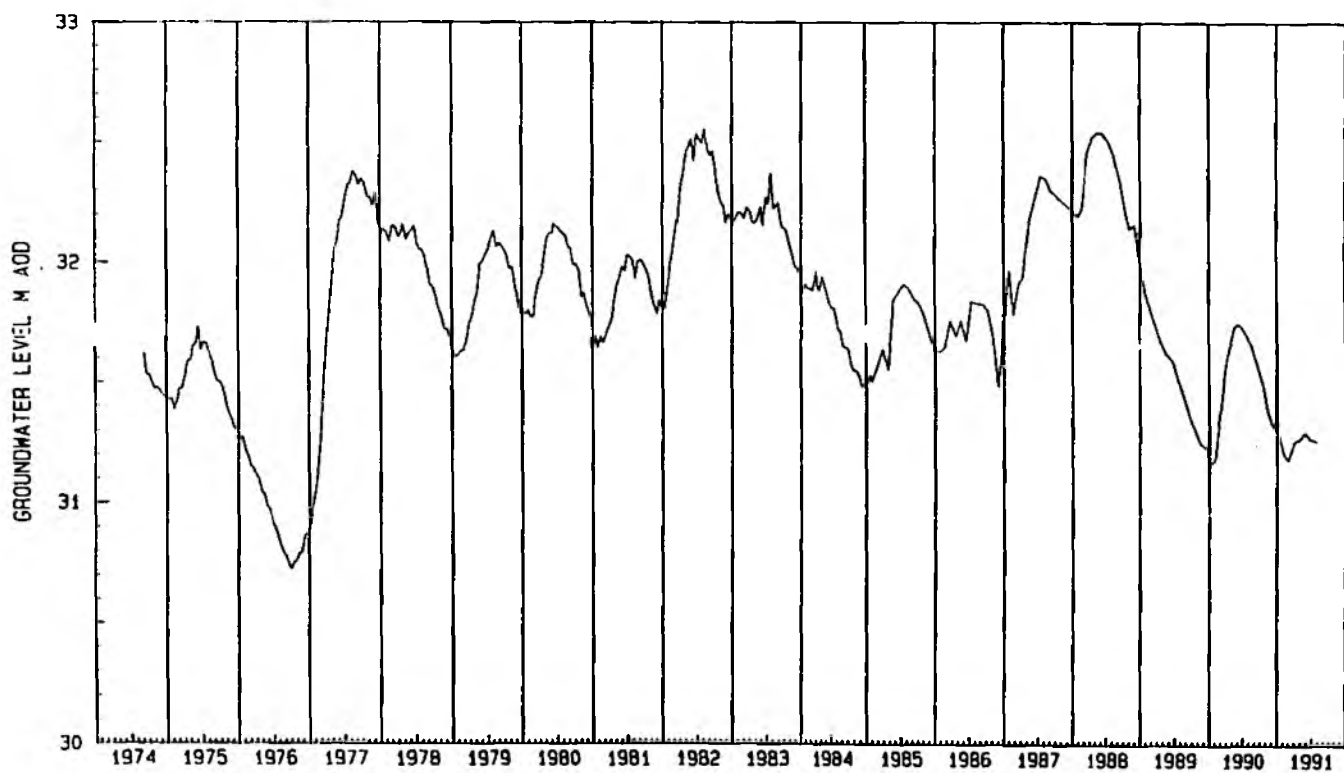
NRA	SEVERN TRENT REGION	GROUNDWATER HYDROGRAPH		
		HEATHLANES 23	SJ61952105	0169

FIGURE 25



NRA	SEVERN TRENT REGION	GROUNDWATER HYDROGRAPH		
		CHECK HILL	S086108860	0074

FIGURE 26



NRA	SEVERN TRENT REGION	GROUNDWATER HYDROGRAPH		
		SHRAMLEY NO. 2	S079906620	0364

FIGURE 27

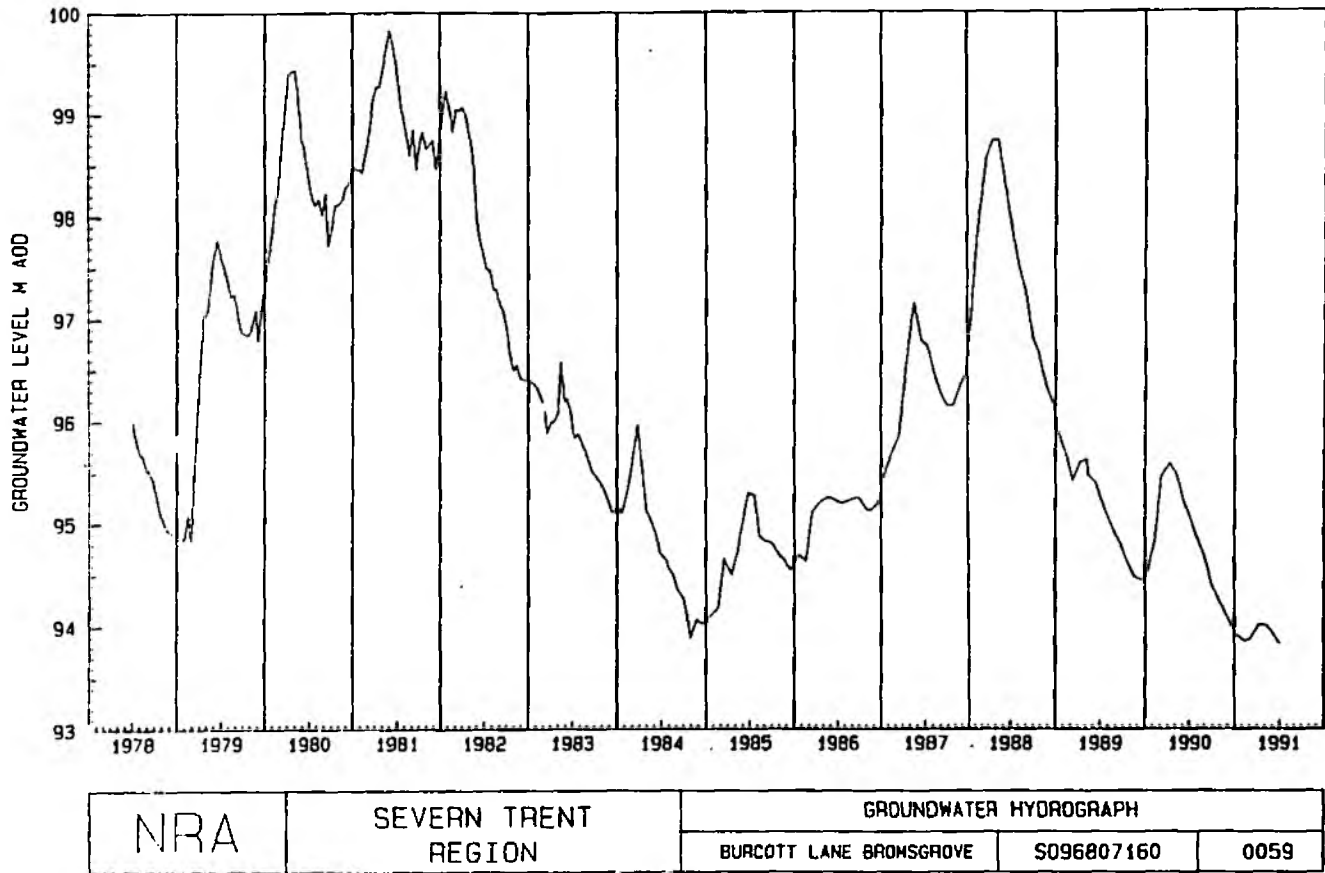
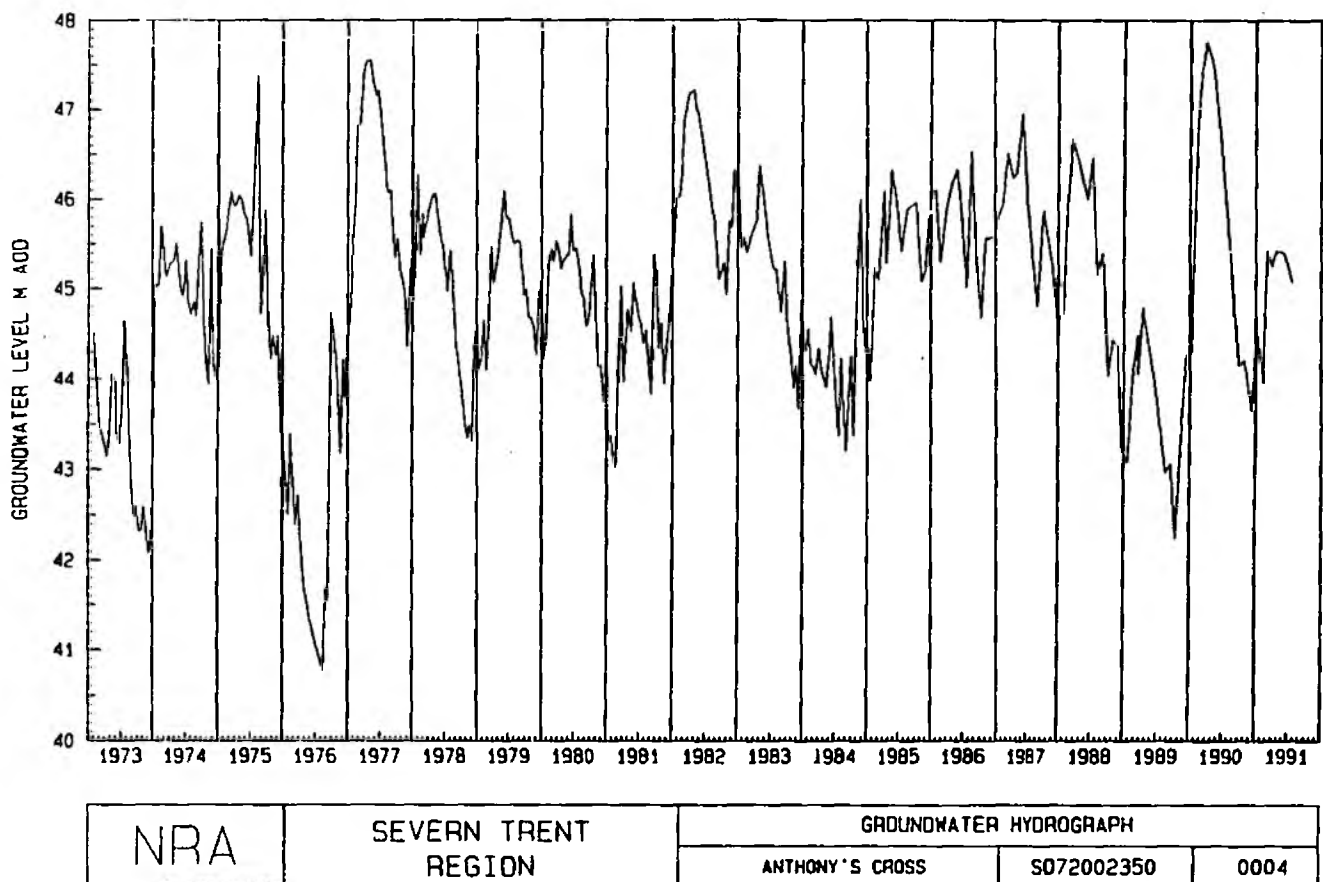


FIGURE 28



F.MISCELLANEOUS DATA

1.SOIL MOISTURE AND EVAPOTRANSPIRATION.

Figures 29 and 30 (page 85) show the variations in soil moisture deficits for various areas within the two catchments. The upland areas show significantly lower values as would be expected and return to field capacity before the lower lying areas. The maximum values are higher than would normally be expected and about the same as 1989.

Figures 31 and 32 (page 86) show potential and actual evapotranspiration for the Severn and Trent catchments. Potential evapotranspiration is what would theoretically occur from a surface covered in short grass, assuming moisture was always available in the soil. Actual evapotranspiration attempts to take into account the type of land use and amount of moisture actually available. The graphs clearly show how the high soil moisture deficits between May and September reduced the actual evapotranspiration to well below the potential. All data is derived from the MORECS service run by the Meteorological Office.

2.WATER TEMPERATURE

Eight river level sites have been equipped with water temperature sensors that feed data into the on site loggers. These are retrieved automatically along with the river level information.

Annual plots of mean daily water temperature data for two of these sites within the Severn catchment are shown in Figures 33 and 34 (page 87) and their locations in figure 1 (page 54). The basic patterns are as would be expected with temperature building up rapidly in April, May and June with the peaks in July and August.

FIGURE 29

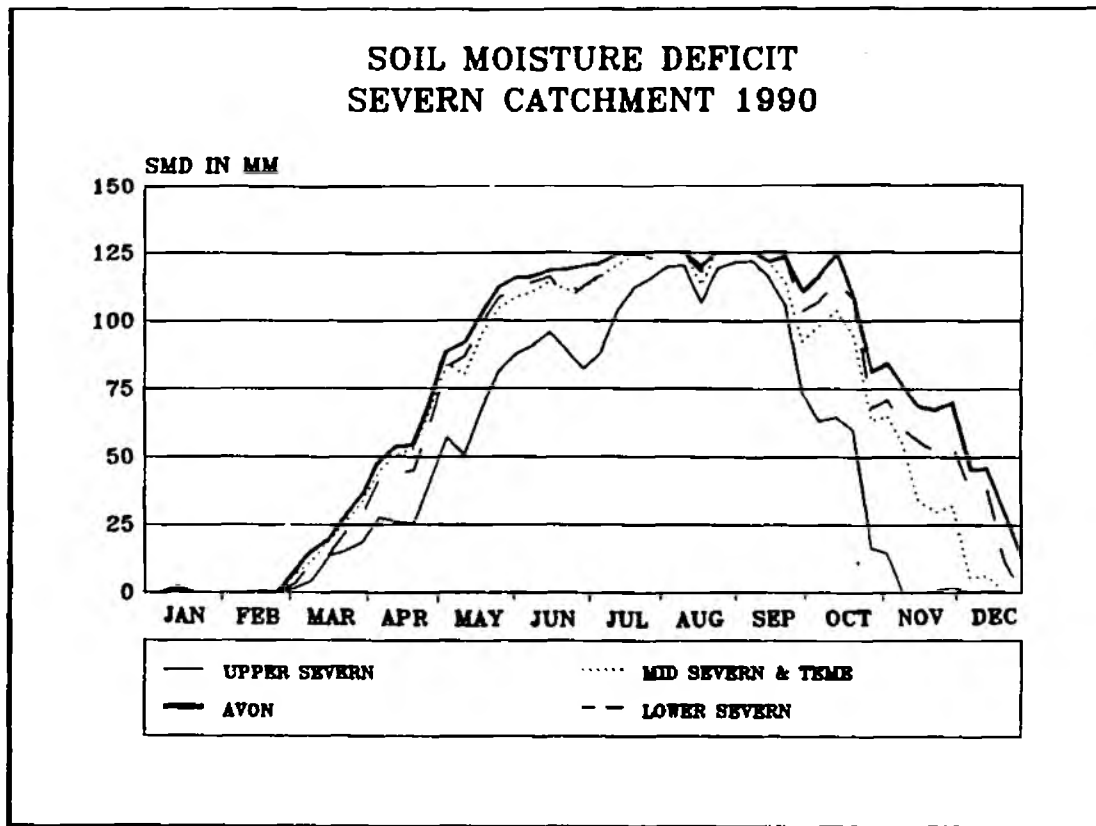


FIGURE 30

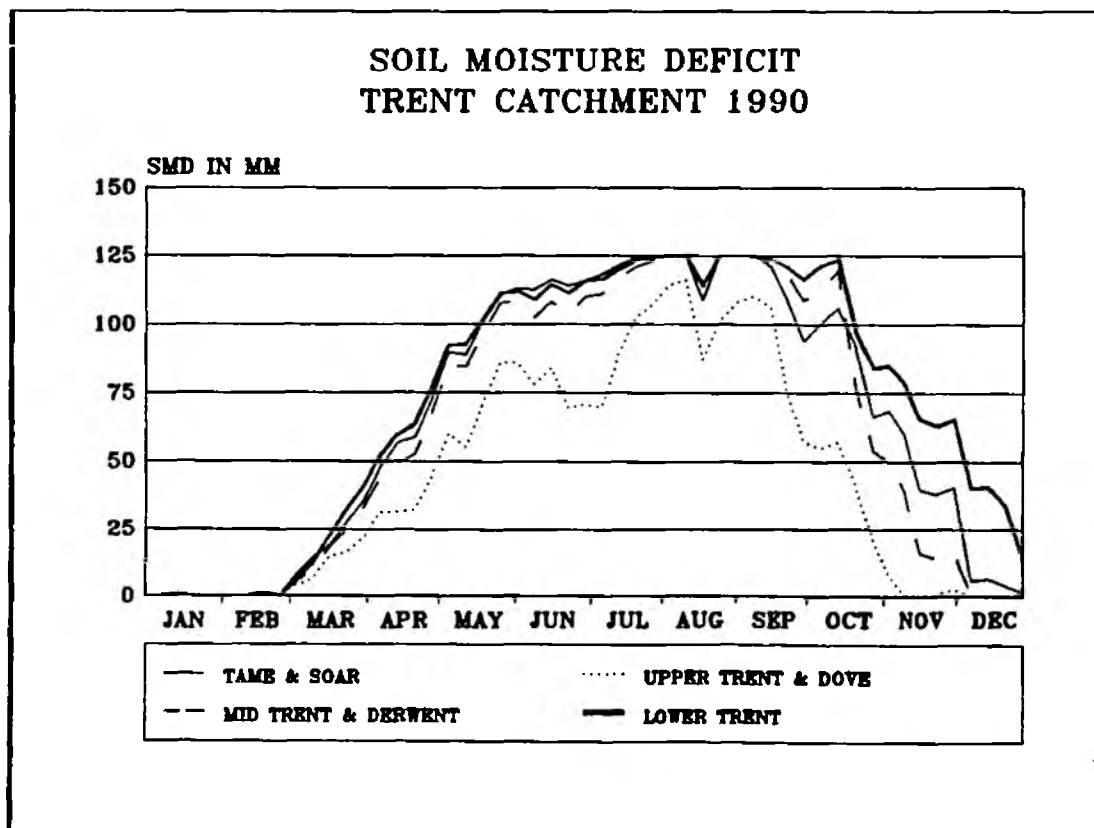


FIGURE 31

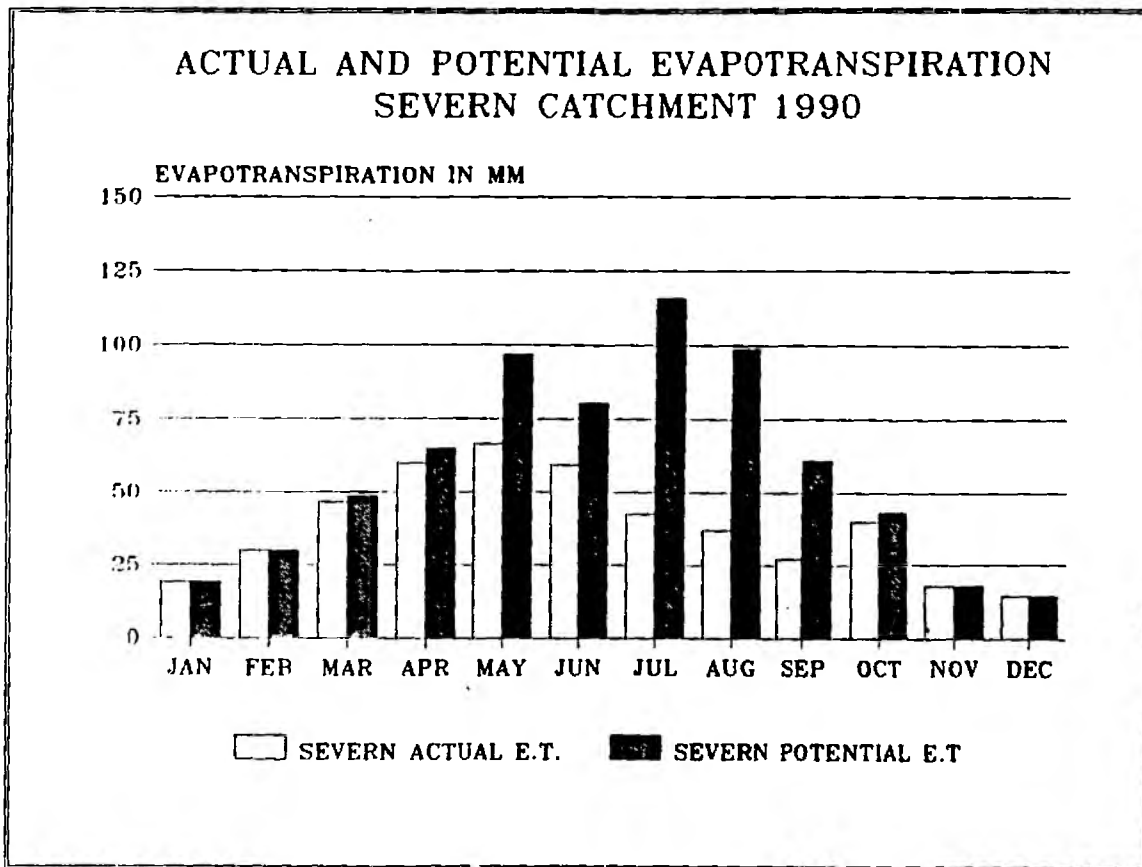


FIGURE 32

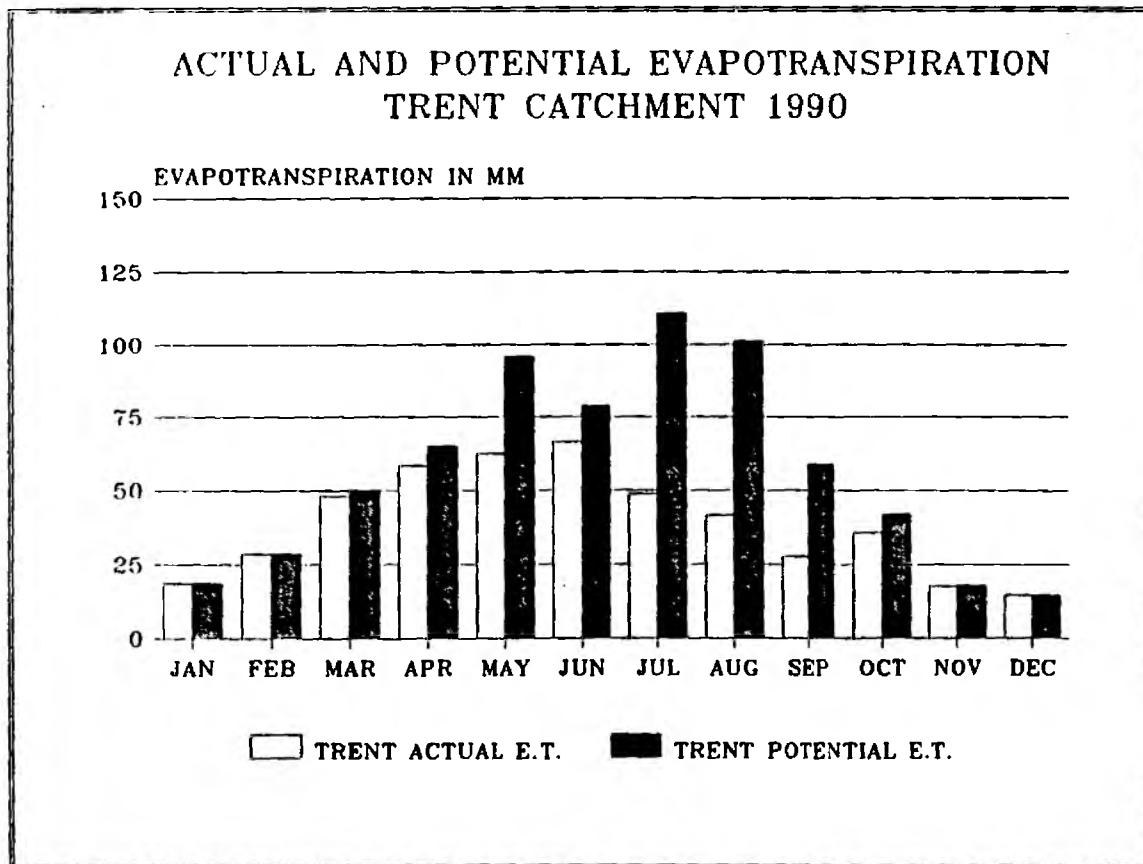
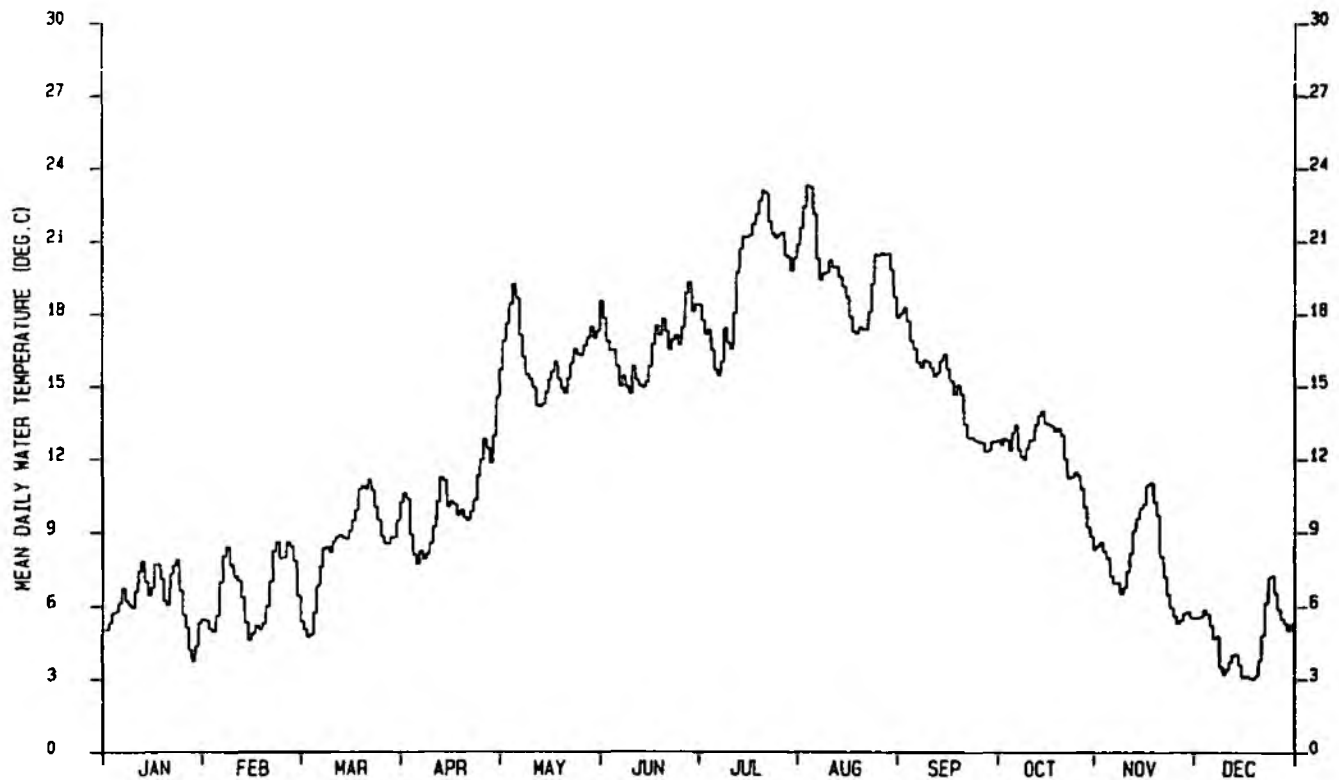


FIGURE 33



NRA	SEVERN TRENT REGION WATER RESOURCES	ANNUAL PLOT OF WATER TEMPERATURE		
		R. TEME AT BRANSFORD	for 1990	Stn.No: 2086

FIGURE 34



NRA	SEVERN TRENT REGION WATER RESOURCES	ANNUAL PLOT OF WATER TEMPERATURE		
		R. SEVERN AT BEMDLEY	for 1990	Stn.No: 2001

SITE CATALOGUES

The following site catalogues show the current extent of the various networks. Requirements for hydrometric data are not static and the networks change over time to reflect this. Thus data are held for many sites that are now closed and do not appear in the following tables. Further information on these sites can be obtained on request from the data group. The data for most of the catalogues are held on a database system and can be made available ordered in a variety of ways.

The river level and flow station catalogue (table 13, starting on page C2) gives details on all sites arranged in downcatchment order from the top of the River Severn. To retain clarity, only the more important stations are shown on Figure 35 (page.C9)

The daily rainfall station catalogue (table 15, starting on page C14) includes all sites within the region for which data are currently collected by the Meteorological Office. Whilst not all of these are operated by the NRA, access is available to the data from all sites listed. The stations are presented in Meteorological Office number order which is a downcatchment system from the top of the River Trent to the Humber estuary followed by the River Severn from source to estuary.

The climate station network has been greatly reduced in recent years, such that only one site now collects data for all the variables required for the calculation of potential evapotranspiration. However, a number of telemetered rainfall event sites have been equipped with air temperature and wind run sensors to provide real time data for flood forecasting. These are also included in the climate station catalogue.

The groundwater observation borehole station catalogue is split into two sections, covering the catchment areas of the River Trent and the River Severn respectively.

		Page no.
A. RIVER LEVEL AND FLOW STATIONS	TABLE 13	C2
LOCATION OF MAJOR RIVER LEVEL AND FLOW STATIONS	FIGURE 35	C9
B. RAINFALL INTENSITY STATIONS	TABLE 14	C10
LOCATION OF RAINFALL INTENSITY STATION	FIGURE 36	C13
C. DAILY RAINFALL STATIONS	TABLE 15	C14
D. CLIMATE STATIONS	TABLE 16	C23
E. GROUNDWATER OBSERVATION BOREHOLE NETWORK	TABLE 17	C22

TABLE 13
LEVEL AND FLOW MEASUREMENT STATIONS
DOWN CATCHMENT ORDER

RIVER NAME	STATION NAME	NRA REF.	NGR	AREA SQ. KM	SITE TYPE+ EQUIPMENT	PRO POL	START LEV. REC	AREA
SEVERN	PLYNLIMON	2022	SN850872	8.7	TF DP	1	01/1952	US
DULAS	RHOS-Y-PENTREF	2025	SN950824	52.7	TF TG CH	3	10/1969	US
LLYN CLYWEDOG	CLYWEDOG RES. LEVEL	2185	SN912870		RE TG	2	04/1979	US
CLYWEDOG	BRYNTAIL	2109	SN913868	49.0	FV TG CH	3	06/1977	US
SEVERN	LLANIDLOES	2072	SN955848	163.0	OC TG CH	1	06/1967	US
SEVERN	DOLWEN	2073	SN996851	187.0	OC CH	1	06/1975	US
SEVERN	CAERSWS	2074	S0033917	375.0	OC TG CH	1	11/1962	US
SEVERN	NEWTOWN	2075	S0117922	457.0	OC CH	1	12/1970	US
SEVERN	ABERMULE	2014	S0164958	580.0	OC TG CH	3	06/1960	US
SEVERN	CILCEWYDD	2194	SJ229041	855.0	OC CH	1	04/1985	US
SEVERN	BUTTINGTON	2176	SJ246089	904.0	OC TG CH	1	10/1983	US
SEVERN	POOL QUAY	2157	SJ257113	943.0	OC TG CH	1	02/1990	US
SEVERN	CRIGGION	2178	SJ280141		OC CH	1	10/1984	US
SEVERN	LLANDRINIO	2158	SJ298169	1033.0	OC TG CH	1	02/1980	US
VYRNWY RES.	LAKE VYRNWY RES. L.	2202	SJ022198		RE TG CH	2	03/1981	US
MARCHNANT	MARCHNANT TUNNEL	2184	SJ042198		OC CH	1	10/1982	US
VYRNWY	VYRNWY WEIR	2003	SJ019191	94.3	RW TG CH	3	01/1908	US
COHNWY	COHNWY WEIR	2149	SH999179	13.2	FV TG CH	3	09/1979	US
VYRNWY	PONTROBERT	2156	SJ108128	173.0	OC TG CH	1	10/1979	US
BANWY	LLANERFYL	2159	SJ031098	125.0	OC TG CH	1	11/1978	US
VYRNWY	MEIFOD	2076	SJ156129	405.0	OC TG CH WT	2	11/1962	US
TANAT	LLANYBLODWEL	2038	SJ252225	229.0	OC TG CH	3	06/1973	US
VYRNWY	LLANYMYNECH	2028	SJ252195	778.0	OC TG CH	3	04/1970	US
SEVERN	CREW GREEN	2175	SJ330158	1915.0	OC TG CH	1	11/1983	US
SEVERN	MONTFORD	2005	SJ412144	2025.0	OC TG CH WT	3	06/1952	US
PERRY	PERRY FM.	2045	SJ348302	49.1	FV CH	1	11/1973	US
PERRY	WYKEY	2078	SJ396245	140.0	OC CH	1	07/1974	US
PERRY	YEATON	2020	SJ434192	180.8	SC TG CH	3	10/1963	US
SEVERN	WELSHBRIDGE	2077	SJ489128	2287.0	OC TG CH	1	12/1950	US
REA BK.	HOOKAGATE	2018	SJ466092	178.0	CT TG CH	3	10/1962	US
TERN	TERNHILL	2044	SJ629316	92.6	RW TG CH	3	10/1972	US
BAILEY BK.	TERNHILL	2052	SJ629316	34.4	RW TG CH	3	04/1970	US

KEY TO ABBREVIATIONS

AREA	PROCESSING POLICY
LS - LOWER SEVERN	0 - RAW DATA ONLY
LT - LOWER TRENT	1 - CHARTS AND/OR RAW DATA ONLY
US - UPPER SEVERN	2 - MONTHLY LEVEL SUMMARY
UT - UPPER TRENT	3 - PROCESSED TO FLOWS

STATION TYPE AND EQUIPMENT

BC - BROAD CRESTED WEIR	VN - VEE NOTCH
OC - COMPOUND CRUMP WEIR	CB - COMPOUND BROAD CRESTED WEIR
CR - COMPOUND RECTANGULAR WEIR	CH - CHART RECORDER
EM - ELECTROMAGNETIC GAUGE	CT - COMPOUND TRAPEZOIDAL CHANNEL
FV - FLAT V-WEIR	FT - FLAT V TRAPEZOIDAL CHANNEL
RE - RESERVOIR LEVEL SITE	OC - OPEN CHANNEL
RW - RECTANGULAR WEIR	RS - NON STANDARD STRUCTURE
TF - TRAPEZOIDAL FLUME	SC - SIMPLE CRUMP
TL - TIDAL LEVEL SITE	TG - TELEGEN 1150
US - ULTRASONIC GAUGE	WT - WATER TEMPERATURE SENSOR

TABLE 13
LEVEL AND FLOW MEASUREMENT STATIONS
DOWN CATCHMENT ORDER

RIVER NAME	STATION NAME	NRA REF.	NGR	AREA SQ. KM	SITE TYPE+ EQUIPMENT	PRO POL	START LEV. REC	AREA
HODNET BK.	HODNET	2061	SJ628288	5.1	FV CH	1	05/1972	US
STOKE BK.	STOKE	2062	SJ637280	13.7	FV CH	1	04/1972	US
TERN	PELOW	2079	SJ640248	186.0	OC CH	1	12/1972	US
TERN	EATON ON TERN	2041	SJ649230	191.7	SC TG CH	3	06/1972	US
ALFORD BK.	CHILDS ERCALL	2151	SJ665233	4.7	VN TG CH	3	09/1979	US
MEESE	TIBBERTON	2040	SJ680205	168.0	SC TG CH	3	11/1973	US
POTFORD BK.	SANDYFORD BRIDGE	2060	SJ634220	25.0	FV TG CH	3	04/1972	US
CROW BK.	HORTON	2110	SJ678141	16.7	FV CH	1	06/1978	US
STRINE	CRUDGINGTON	2170	SJ640175	134.0	EM TG CH	3	07/1981	US
RODEN	RODINGTON	2016	SJ589141	259.0	CT TG CH	3	04/1961	US
TERN	WALCOT	2012	SJ592123	852.0	FV TG CH	3	05/1959	US
SEVERN	BUILDWAS	2134	SJ644044	3717.0	US TG CH	3	09/1977	US
WORFE	COSFORD	2046	SJ781046	54.9	RW TG CH	3	02/1975	US
WORFE	BURCOTE	2024	S0747953	258.0	SC TG CH	3	04/1969	US
SEVERN	BRIDGNORTH	2180	S0719931	4059.0	OC TG CH	1	11/1985	US
DOWLES BK.	OAK COTTAGE	2034	S0768764	40.8	FV TG CH	3	09/1971	US
SEVERN	BEWDLEY G.S	2001	S0782762	4325.0	US TG CH WT	3	02/1968	US
SMESTOW	TETTENHALL	2183	SJ897007	9.0	OC CH	1	07/1985	US
SMESTOW BK.	SWINDON	2067	S0861906	81.3	OC TG CH	1	09/1973	US
STOUR	STOURBRIDGE	2083	S0905845	61.0	OC TG CH	1	07/1956	US
STOUR	STOURTON	2084	S0861848	232.0	OC TG CH	1	09/1956	US
STOUR	KIDDERMINSTER C/L	2167	S0829767	324.0	US TG CH	3	11/1980	US
HADLEY BK.	WARDS BRIDGE	2193	S0870631	53.0	FV TG CH	3	12/1987	US
SALWARPE	HARFORD HILL	2011	S0868618	184.0	OC CH	1	01/1958	US
SEVERN	DIGLIS(WORCESTER)	2085	S0847535	5073.0	OC TG CH	1	10/1953	US
TEME	KNIGHTON	2107	S0290724	131.0	OC CH	1	10/1977	US
TEME	LEINTWARDINE	2132	S0404739	440.0	OC TG CH	1	08/1977	US
ONNY	ONIBURY	2054	S0455789	235.0	OC TG CH	1	02/1971	US
SEIFTON BK.	SEIFTON	2179	S0483833		VN CH	1	09/1984	US
CORVE	LUDLOW	2169	S0509760	164.0	OC TG CH	1	09/1981	US
LEDWYCHE BK.	STOKE ST.MILBORO	2171	S0566822	1.5	VN CH	1	05/1982	US
TEME	TENBURY	2008	S0597686	1135.0	OC TG CH	3	09/1956	US

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FV - FLAT V-WEIR	FT - FLAT V TRAPEZOIDAL CHANNEL
RE - RESERVOIR LEVEL SITE	OC - OPEN CHANNEL
RW - RECTANGULAR WEIR	RS - NON STANDARD STRUCTURE
TF - TRAPEZOIDAL FLUME	SC - SIMPLE CRUMP
TL - TIDAL LEVEL SITE	TG - TELEGEN 1150
US - ULTRASONIC GAUGE	WT - WATER TEMPERATURE SENSOR

TABLE 13
LEVEL AND FLOW MEASUREMENT STATIONS
DOWN CATCHMENT ORDER

RIVER NAME	STATION NAME	NRA REF.	NGR	AREA SQ. KM	SITE TYPE+ EQUIPMENT	PRO POL	START LEV. REC	AREA
REA	NEWHAM BRIDGE	2039	SO644693	170.0	OC TG CH	1	01/1978	US
TEME	KNIGHTSFORD BRIDGE	2029	SO734557	1480.0	OC TG CH	3	04/1970	US
TEME	BRANSFORD	2086	SO804532	1580.0	OC TG CH WT	2	07/1951	US
SEVERN	SAXONS LODGE	2032	SO863390	6850.0	US TG CH WT	3	06/1970	LS
SEVERN	MYTHE BRIDGE	2087	SO888337	6975.0	OC TG CH	1	06/1970	LS
AVON	LILBOURNE	2088	SP563778	110.0	OC TG CH	1	04/1972	LS
AVON	BROWNSOVER	2182	SP515765		CB CH	1	04/1985	LS
AVON	RUGBY	2090	SP503767	243.0	OC TG CH	1	04/1972	LS
AVON	STARETON	2019	SP333716	347.0	SC TG CH	3	10/1962	LS
SEWER-FOUL(COV)	LAMAS ROAD NO.1	2901	SP318809		EM TG	0	10/1985	LS
SEWER-STRM(COV)	LAMAS ROAD NO.2	2902	SP318809		EM TG	0	10/1985	LS
SOWE	STONELEIGH	2004	SP331730	262.0	OC TG CH	3	03/1951	LS
LEAM	EATHORPE	2050	SP388688	300.0	TF TG CH	3	10/1972	LS
LEAM	LEAMINGTON PDW	2049	SP307654	362.0	CT TG CH	3	12/1961	LS
AVON	WARWICK	2091	SP300654	1005.0	OC TG CH	1	05/1972	LS
DENE	WELLESBOURNE	2048	SP273556	102.0	FV TG CH	3	07/1976	LS
AVON	STRATFORD	2093	SP205548	1273.0	OC TG CH	1	01/1971	LS
STOUR	SHIPSTON	2092	SP261404	185.0	OC TG CH	1	04/1972	LS
STOUR	ALSCOT PARK	2010	SP208506	316.0	CB TG CH	1	10/1959	LS
ARROW	STUDLEY	2094	SP076640	92.9	OC TG CH	1	04/1972	LS
ARROW	BROOM	2104	SP086536	319.0	SC TG CH	3	10/1956	LS
BADSEY BK.	OFFENHAM	2023	SP063449	95.8	TF TG CH	3	05/1968	LS
AVON	EVESHAM	2002	SP040438	2210.0	OC TG CH WT	3	10/1937	LS
ISBOURNE	HINTON ON GREEN	2036	SP023408	90.7	SC TG CH	3	11/1971	LS
AVON	HAMPTON PARKS	2155	SP032446	2305.0	OC CH	1	05/1980	LS
AVON	PERSHORE	2097	SO951456	2427.0	OC TG CH	1	10/1974	LS
BOW BK.	BESFORD BRIDGE	2015	SO927463	156.0	RW TG CH	3	04/1961	LS
AVON	BREDON	2128	SO921374	2674.0	US TG CH	3	01/1979	LS
AVON	TEWKESBURY LOWER	2099	SO894333	2787.0	OC CH	1	01/1938	LS
AVON	TEWKESBURY	2098	SO894333	2787.0	OC TG CH	1	01/1938	LS
SEVERN	HAW BRIDGE	2057	SO844279	9895.0	OC TG CH	3	05/1971	LS
CHELT	SLATE MILL	2026	SO892264	34.5	TF TG CH	1	04/1969	LS

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FV - FLAT V-WEIR	FT - FLAT V TRAPEZOIDAL CHANNEL
RE - RESERVOIR LEVEL SITE	OC - OPEN CHANNEL
RW - RECTANGULAR WEIR	RS - NON STANDARD STRUCTURE
TF - TRAPEZOIDAL FLUME	SC - SIMPLE CRUMP
TL - TIDAL LEVEL SITE	TG - TELEGEN 1150
US - ULTRASONIC GAUGE	WT - WATER TEMPERATURE SENSOR

TABLE 13
LEVEL AND FLOW MEASUREMENT STATIONS
DOWN CATCHMENT ORDER

RIVER NAME	STATION NAME	NRA REF.	NGR	AREA SQ. KM	SITE TYPE+ EQUIPMENT	PRO POL	START LEV. REC	AREA
LEIGH BK.	LEIGH COURT	2188	S0865253		CH TG	1	10/1986	LS
SEVERN	ASHLEWORTH	2071	S0819250	9983.0	OC TG CH	1	08/1975	LS
LEADON	WEDDERBURN BRIDGE	2017	S0777234	293.0	CT TG CH	3	08/1961	LS
SEVERN	GLOUCESTER DOCKS	2165	S0826185	10453.0	TL TG CH	1	11/1979	LS
SEVERN	MINSTERWORTH	2102	S0768168	10505.0	TL CH TG	1	03/1962	LS
SEVERN	EPNEY	2153	S0762111		TL TG CH	1	03/1980	LS
FROME	EBLEY MILL	2027	S0831047	198.0	RS TG CH	3	04/1969	LS
INDEPENDENCE LV	WHITECROFT	2251	S0619063		CH TF	1	05/1985	LS
SEVERN	BERKELEY	2103	ST655995		TL TG CH	1	08/1976	LS
SEVERN	AVONMOUTH	2192	ST510790		TL TG	1	04/1988	LS
FOWLEA BK.	BURSLEM WRW	4864	SJ863487		OC CH	1	06/1988	UT
TRENT	STOKE	4040	SJ892467	53.2	SC TG CH	3	03/1968	UT
TRENT	DARLASTON	4083	SJ885355	195.2	US TG CH	3	12/1982	UT
TRENT	GREAT HAYWOOD	4006	SJ994231	325.0	OC TG CH	1	12/1965	UT
SOW	WALKMILL	4840	SJ793298		VN TG CH	3	07/1979	UT
MEECE BK.	SHALLOWFORD	4079	SJ874291	86.3	FT TG CH	3	11/1981	UT
SOW	GREAT BRIDGFORD	4052	SJ883270	163.0	FT TG CH	3	01/1971	UT
TILLINGTON P'L	DOXEY MARSHES	4875	SJ907246		OC CH	1	05/1984	UT
TILLINGTON DRA	DOXEY MARSHES	4869	SJ914240		OC CH	1	02/1984	UT
PENK	PENKRIDGE	4053	SJ922144	272.0	FT TG CH	3	07/1971	UT
SPRINGS LADE BK.	SPRINGS LADE POOL	4872	SJ962169		VN CH	1	07/1982	UT
ACTON T'SEL BK.	ACTON TRUSSEL	4851	SJ941177	1.8	VN CH	3	09/1977	UT
ACTON HILL BK.	ACTON HILL	4850	SJ941188	5.0	RW CH	3	02/1978	UT
OLDACRE BK.	BROCTON	4852	SJ961202		VN CH TG	3	01/1978	UT
SOW	MILFORD	4014	SJ975215	591.0	OC TG CH	2	01/1970	UT
BLITHE	CRESSWELL	4863	SJ978390		OC CH	1	11/1980	UT
BLITHE	NEWTON HURST	4867	SK049259		OC CH	1	11/1980	UT
TRENT	YOXALL	4012	SK133177	1229.0	OC TG CH	3	08/1959	UT
TAME	SHEEPWASH	4101	S0974918		TF TG CH	1	04/1986	UT
TAME	OCKER HILL	4888	S0982941		OC CH	1	11/1986	UT
TAME	JAMES BRIDGE	4104	S0988897		EM TG CH	3	09/1988	UT
TAME	PARK HILL	4105	SP001956		EM TG	3	09/1988	UT

KEY TO ABBREVIATIONS

AREA	PROCESSING POLICY
LS - LOWER SEVERN	0 - RAW DATA ONLY
LT - LOWER TRENT	1 - CHARTS AND/OR RAW DATA ONLY
US - UPPER SEVERN	2 - MONTHLY LEVEL SUMMARY
UT - UPPER TRENT	3 - PROCESSED TO FLOWS
STATION TYPE AND EQUIPMENT	
BC - BROAD CRESTED WEIR	VN - VEE NOTCH
OC - COMPOUND CRUMP WEIR	CB - COMPOUND BROAD CRESTED WEIR
CR - COMPOUND RECTANGULAR WEIR	CH - CHART RECORDER
EM - ELECTROMAGNETIC GAUGE	CT - COMPOUND TRAPEZOIDAL CHANNEL
FV - FLAT V-WEIR	FT - FLAT V TRAPEZOIDAL CHANNEL
RE - RESERVOIR LEVEL SITE	OC - OPEN CHANNEL
RW - RECTANGULAR WEIR	RS - NON STANDARD STRUCTURE
TF - TRAPEZOIDAL FLUME	SC - SIMPLE CRUMP
TL - TIDAL LEVEL SITE	TG - TELEGEN 1150
US - ULTRASONIC GAUGE	WT - WATER TEMPERATURE SENSOR

TABLE 13
LEVEL AND FLOW MEASUREMENT STATIONS
DOWN CATCHMENT ORDER

RIVER NAME	STATION NAME	NRA REF.	NGR	AREA SQ.KM	SITE TYPE+ EQUIPMENT	PRO POL	START LEV. REC	AREA
TAME	BESCOT	4081	SP012958	169.0	US TG CH	3	08/1981	UT
TAME	SANDWELL	4084	SP029927	182.0	TF TG CH	1	06/1983	UT
TAME	HAMSTEAD RD	4877	SP049923		OC CH	1	12/1982	UT
TAME	PERRY PARK	4087	SP061919	198.0	TF TG CH	1	11/1983	UT
TAME	WALSALL RD	4876	SP067913		OC CH	1	12/1982	UT
TAME	BROOKVALE RD	4878	SP082909		OC CH	1	12/1982	UT
REA	CALTHORPE PARK	4039	SP071847	74.3	SC TG CH	3	04/1967	UT
TAME	WATER ORTON	4003	SP169915	408.0	OC CH	1	09/1955	UT
COLE	COLESHILL	4066	SP183874	130.0	FT TG CH	3	10/1973	UT
BLYTHE	CASTLE FM.	4094	SP213888	184.0	OC TG CH	1	12/1985	UT
BLYTHE	WHITACRE PIPE-FLOW	4508	SP212911		EM TG	3	06/1983	UT
BLYTHE	WHITACRE	4102	SP212911	197.0	EM TG	3	06/1983	UT
BOURNE BK.	SHUSTOKE	4108	SP235916		VN CH TG	3	09/1990	UT
TAME	LEA MARSTON	4080	SP208937	799.0	SC TG CH	3	11/1981	UT
ANKER	POLESWORTH	4026	SK263034	368.0	SC TG CH	3	09/1966	UT
TAME	TAMWORTH	4069	SK206037	1407.0	OC TG CH	1	06/1955	UT
TAME	HOPWAS BRIDGE	4095	SK182052	1425.0	OC TG CH	1	03/1986	UT
TAME	ELFORD	4005	SK173105	1475.0	OC CH	1	12/1955	UT
MEASE	STONES BRIDGE	4868	SK261115		OC CH	1		UT
TRENT	DRAKELOW	4019	SK239204	3072.0	OC TG CH	3	06/1966	UT
DOVE	IZAACK WALTON	4046	SK146509	83.0	FV TG CH	3	06/1969	UT
MANIFOLD	ILAM	4031	SK140507	148.5	SC TG CH	3	04/1968	UT
HENMORE BK.	CARSINGTON OUTFLOW	4106	SK242503		RW TG CH	3	04/1988	UT
DOVE	ROCESTER	4008	SK112397	399.0	RS TG CH WT	3	04/1953	UT
DEEP HAYES BK.	DEEP HAYES D/S	4827	SJ961534		RW CH	1	04/1980	UT
CHURNET	BASFORD BRIDGE	4061	SJ982522	139.0	FT TG CH	3	01/1975	UT
CHURNET	ROCESTER	4020	SK103389	236.0	OC TG CH	1	10/1954	UT
DOVE	DOVERIDGE	4078	SK111339	799.0	OC TG CH	1	02/1972	UT
DOVE	MARSTON	4018	SK235288	883.2	FT TG CH	3	07/1965	UT
ROLLESTON BK.	ROLLESTON	4076	SK243283	23.0	FV TG CH	3	04/1980	UT
TRENT	SHARDLOW	4007	SK448300	4400.0	TG CH US	3	09/1959	LT
DERWENT	SLIPPERY STONES	4075	SK169951	17.0	FT CH	1	03/1979	LT

KEY TO ABBREVIATIONS

AREA	PROCESSING POLICY
LS - LOWER SEVERN	0 - RAW DATA ONLY
LT - LOWER TRENT	1 - CHARTS AND/OR RAW DATA ONLY
US - UPPER SEVERN	2 - MONTHLY LEVEL SUMMARY
UT - UPPER TRENT	3 - PROCESSED TO FLOWS

STATION TYPE AND EQUIPMENT

BC - BROAD CRESTED WEIR	VN - VEE NOTCH
OC - COMPOUND CRUMP WEIR	CB - COMPOUND BROAD CRESTED WEIR
CR - COMPOUND RECTANGULAR WEIR	CH - CHART RECORDER
EM - ELECTROMAGNETIC GAUGE	CT - COMPOUND TRAPEZOIDAL CHANNEL
FV - FLAT V-WEIR	FT - FLAT V TRAPEZOIDAL CHANNEL
RE - RESERVOIR LEVEL SITE	OC - OPEN CHANNEL
RW - RECTANGULAR WEIR	RS - NON STANDARD STRUCTURE
TF - TRAPEZOIDAL FLUME	SC - SIMPLE CRUMP
TL - TIDAL LEVEL SITE	TG - TELEGEN 1150
US - ULTRASONIC GAUGE	WT - WATER TEMPERATURE SENSOR

TABLE 13
LEVEL AND FLOW MEASUREMENT STATIONS
DOWN CATCHMENT ORDER

RIVER NAME	STATION NAME	NRA REF.	NGR	AREA SQ. KM	SITE TYPE+ EQUIPMENT	PRO POL	START LEV. REC	AREA
WESTEND	ABOVE HOWDEN RES.	4885	SK154928		OC CH	1	07/1989	LT
HOWDEN RES.	HOWDEN RES. LVL	4089	SK168925		RE TG	2	07/1986	LT
DERWENT RES.	DERWENT RES. LVL.	4090	SK172897		RE TG	2	07/1986	LT
ASHOP	ASHOP DIVERSION	4073	SK171896	42.0	RS CH	1	10/1976	LT
LADYBOWER RES.	LADYBOWER RES. LVL.	4092	SK202854		RE TG	2	07/1986	LT
DERWENT	YORKSHIRE BRIDGE	4001	SK198851	126.0	TV TG CH	3	05/1905	LT
DERWENT	MYTHAM BRIDGE	4037	SK205825	203.0	OC CH	1	01/1968	LT
DERWENT	CHATSWORTH	4043	SK261683	335.0	OC TG CH	3	11/1968	LT
WYE	ASHFORD	4023	SK182696	154.0	OC TG CH	2	07/1965	LT
DERWENT	MATLOCK	4011	SK296586	688.9	OC TG CH	3	10/1958	LT
OGSTON RES.	OGSTON RES. LVL.	4103	SK379599		RE TG	2	11/1987	LT
AMBER	OGSTON RES. O/F	4821	SK382598		CR CH	1		LT
AMBER	WINGFIELD PARK	4048	SK376520	139.0	FT TG CH	3	08/1970	LT
DERWENT	AMBERGATE	4815	SK347517		OC CH	1	11/1978	LT
DERWENT	BELPER WEIR	4883	SK346482		OC CH TG	1	05/1990	LT
ECCLESBOURNE	DUFFIELD	4055	SK320447	50.0	FT CH	1	08/1971	LT
DERWENT	PECKWASH MILL	4823	SK354423		OC CH	1	03/1979	LT
DERWENT	ST. MARYS BDGE	4085	SK355368	1054.0	US TG CH	3	07/1983	LT
SEWER (DERBY)	WAYZGOOSE NO2	4097	SK364365		EM TG	0	10/1985	LT
SEWER (DERBY)	WAYZGOOSE NO1	4096	SK364365		EM TG	0	10/1985	LT
SPONDONOUTFALL	SPONDON	4077	SK395345		EM TG CH	3	03/1980	LT
DERWENT	SPONDON SLUICES	4107	SK398343		RS TG	1	11/1989	LT
DERWENT	CHURCH WILNE	4067	SK438316	1177.5	FT TG CH	3	04/1973	LT
DERWENT	DRAYCOTT	4021	SK443327	1175.0	OC CH	1	07/1965	LT
SOAR	LITTLETHORPE	4082	SP542973	183.9	EM TG CH	3	11/1981	LT
SENCE	SOUTH WIGSTON	4086	SP588977	113.0	EM TG CH	3	09/1983	LT
SEWER (LEIC)	BEAUMONT LEYS	4901	SK569074		EM TG	0	10/1985	LT
EYE	BRENTINGBY	4845	SK784185		OC CH	1	01/1979	LT
SCALFORD BK.	MELTON MOHBRAY U/S	4729	SK758205		RE TG	2	10/1991	LT
WREAKE	FRISBY-ON-WREAKE	4873	SK697182		RS TG	1	03/1988	LT
WREAKE	SYSTON	4024	SK615124	414.0	EM TG CH	3	07/1967	LT
ROTHLEY BK.	ROTHLEY	4056	SK580121	94.0	FT TG CH	3	05/1973	LT

KEY TO ABBREVIATIONS

AREA	PROCESSING POLICY
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LT - LOWER TRENT	1 - CHARTS AND/OR RAW DATA ONLY
US - UPPER SEVERN	2 - MONTHLY LEVEL SUMMARY
UT - UPPER TRENT	3 - PROCESSED TO FLOWS

STATION TYPE AND EQUIPMENT

BC - BROAD CRESTED WEIR	VN - VEE NOTCH
CC - COMPOUND CRUMP WEIR	CB - COMPOUND BROAD CRESTED WEIR
CR - COMPOUND RECTANGULAR WEIR	CH - CHART RECORDER
EM - ELECTROMAGNETIC GAUGE	CT - COMPOUND TRAPEZOIDAL CHANNEL
FV - FLAT V-WEIR	FT - FLAT V TRAPEZOIDAL CHANNEL
RE - RESERVOIR LEVEL SITE	OC - OPEN CHANNEL
RW - RECTANGULAR WEIR	RS - NON STANDARD STRUCTURE
TF - TRAPEZOIDAL FLUME	SC - SIMPLE CRUMP
TL - TIDAL LEVEL SITE	TG - TELEGEN 1150
US - ULTRASONIC GAUGE	WT - WATER TEMPERATURE SENSOR

TABLE 13
LEVEL AND FLOW MEASUREMENT STATIONS
DOWN CATCHMENT ORDER

RIVER NAME	STATION NAME	NRA REF.	NGR	AREA SQ. KM	SITE TYPE+ EQUIPMENT	PRO POL	START LEV. REC	AREA
SOAR	PILLINGS LK	4093	SK565182	1105.0	US TG	3	02/1985	LT
SOAR	ZOUCH SLUICE GATE	4109	SK492268		BC TG	1		LT
SOAR	KEGWORTH	4074	SK492263	1292.0	US TG CH	3	12/1978	LT
EREWASH	SANDIACRE (TOT. FLW)	4427	SK482364	181.0	US CH TG WT	1	02/1966	LT
LEEN	TRIUMPH RD. (TOT. FL)	4435	SK549392	111.0	TG US CH WT	3	10/1968	LT
TRENT	COLWICK SLUICES	4890	SK615394		RS TG	1	11/1989	LT
TRENT	COLWICK	4009	SK620399	7486.0	OC TG CH	3	09/1958	LT
DOVER BECK	LOWDHAM	4060	SK653479	69.0	FV TG CH	3	03/1971	LT
GREET	SOUTHWELL	4072	SK714540	57.0	FV CH	1	12/1974	LT
DEVON	COTHAM	4017	SK787486	284.0	OC CH	1	09/1966	LT
TRENT	NORTH MUSKHAM	4022	SK801601	8231.0	OC TG CH	3	10/1967	LT
TRENT	TORKSEY	4065	SK837792		TL TG CH WT	1	01/1945	LT
TRENT	GAINSBOROUGH	4099	SK814897		TL TG CH	1	01/1945	LT
MEDEN	CHURCH WARSOP	4032	SK558680	63.0	RS CH TG	3	08/1965	LT
POULTER	CUCKNEY	4044	SK571713	35.0	SC CH TG	3	07/1969	LT
IDLE	ORDSALL	4886	SK706797		OC CH	1	09/1987	LT
IDLE	MATTERSEY	4015	SK690895	529.0	EM TG CH	3	04/1961	LT
RYTON	WORKSOP	4049	SK575794	77.0	FV CH TG	3	06/1970	LT
RYTON	BLYTH	4091	SK631871	231.0	EM TG CH	3	03/1984	LT
OLDCOATES DYKE	BLYTH	4047	SK615876	85.0	FV CH TG	3	06/1970	LT
TRENT	OWSTON FERRY	4835	SK814994		TL CH	1	01/1945	LT
TORNE	AUCKLEY	4050	SE646012	141.0	FV TG CH	3	07/1970	LT
TRENT	KEADBY	4098	SE835114	377.8	TL TG CH	1	01/1945	LT
HUMBER	BLACKTOFT	4088	SE843243	10435.0	TL TG CH	1	12/1985	LT

KEY TO ABBREVIATIONS

AREA	PROCESSING POLICY
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LT - LOWER TRENT	1 - CHARTS AND/OR RAW DATA ONLY
US - UPPER SEVERN	2 - MONTHLY LEVEL SUMMARY
UT - UPPER TRENT	3 - PROCESSED TO FLOWS

STATION TYPE AND EQUIPMENT

BC - BROAD CRESTED WEIR	VN - VEE NOTCH
OC - COMPOUND CRUMP WEIR	CB - COMPOUND BROAD CRESTED WEIR
CR - COMPOUND RECTANGULAR WEIR	CH - CHART RECORDER
EM - ELECTROMAGNETIC GAUGE	CT - COMPOUND TRAPEZOIDAL CHANNEL
FV - FLAT V-WEIR	FT - FLAT V TRAPEZOIDAL CHANNEL
RE - RESERVOIR LEVEL SITE	OC - OPEN CHANNEL
RW - RECTANGULAR WEIR	RS - NON STANDARD STRUCTURE
TF - TRAPEZOIDAL FLUME	SC - SIMPLE CRUMP
TL - TIDAL LEVEL SITE	TG - TELEGEN 1150
US - ULTRASONIC GAUGE	WT - WATER TEMPERATURE SENSOR

FIGURE 35

LOCATION OF RIVER LEVEL AND FLOW MEASUREMENT STATIONS



TABLE 14
OPERATIONAL RAINFALL INTENSITY STATIONS
NRA REFERENCE NUMBER ORDER

STATION NAME	NRA REF.	MET. OFFICE	GRID REFERENCE	ALT (Masod)	ANN. AV. RF. (mm)	START OF RECORD	AREA
LANGLEY	1005	456216	SP005282	165	720	12/1970	LS
PEN-Y-COED	1009	425646	SH978144	305	1820	04/1987	US
HENLEY PS	1040	454894	SP154679	78	708	05/1964	LS
FINHAM	1045	449958	SP334740	61	644	06/1960	LS
KNIGHTCOTE	1082	450777	SP398545	95	670	12/1970	LS
STRATFORD, MILCOTE	1086	453923	SP182529	47	600	05/1970	LS
SHIPSTON	1087	453420	SP268411	67	625	08/1972	LS
LEDBURY	1119	459794	S0701372	38	700	04/1987	LS
MONKMOOR	1121	430296	SJ517136	55	627	02/1985	US
VYRNWY	1134	425001	SJ017188	303	1529	01/1946	US
DOWDESWELL	1140	458844	S0983198	109	740	07/1970	LS
MISERDEN	1141	461467	S0937087	232	941	07/1987	LS
NETHERIDGE	1146	460970	S0810157	12	665	11/1975	LS
DOLYDD	1152	421140	SN873905	297	1780	05/1979	US
STANFORD	1155	447787	SP596804	112	686	05/1964	LS
WELLESBOURNE	1165	452036	SP271565			10/1991	LS
KINGSWOOD	1176	419869	ST743929	42	730	06/1972	LS
WELSHPOOL	1221	424216	SJ233073	70	850	05/1972	US
CRAVEN ARMS	1271	443093	S0437811	111	780	01/1980	US
LLANFYLLIN WRW	1334	426593	SJ154188	113	1080	01/1977	US
CEFN COCH	1338	423198	SJ042026	312	1150	08/1982	US
RUSHMOOR WRW	1339	432811	SJ617135	50	660	03/1979	US
BETTWYS-Y-CRWYN	1387	441009	S0203814	396	1050	06/1981	US
NANTGWYN	1408	420834	SN979768	300	1200	01/1989	US
RORRINGTON	1409	423813	SJ304005	213	760	12/1986	US
BISHOP'S CASTLE	1412	441441	S0338873			12/1990	US
HARTLEBURY	1413	438925	S0846696			03 1991	US
LYE P.S	1521	437694	S0919849	75	705	04/1987	US
TRIMPLEY	1548	437138	S0772789	41	730	06/1981	US
BRATCH	1552	438110	S0868937	82	700	04/1986	US
LLANGYNOG	1700	426853	SJ053259	160	1450	04/1981	US
COSFORD W.W	1712	435507	SJ782047	82	670	09/1968	US
BAGLEY	1713	429082	SJ413277	82	720	12/1971	US
LONGFORD	1733	459426	S0847209	88	680	05/1972	LS
ERCALL	1747	431324	SJ663249	91	680	04/1987	US
DITTON PRIORS	1749	444887	S0604883	244	860	11/1977	US
SARN	1750	423601	S0206906	167	900	03/1981	US
CHIPPING CAMDEN	1761	453096	SP164393	123	750	04/1964	LS
CAERSWS	1762	422095	S0040925	137	910	07/1963	US
CROWLE	1769	457597	S0934558	35	650	08/1980	LS
BRAUNSTON	1770	450263	SP533658	107	650	07/1981	LS
BRIMFIELD	1792	443991	S0503682	77	785	04/1987	US

KEY TO ABBREVIATIONS

AREA	
LS - LOWER SEVERN	LT - LOWER TRENT
US - UPPER SEVERN	UT - UPPER TRENT

TABLE 14
OPERATIONAL RAINFALL INTENSITY STATIONS
NRA REFERENCE NUMBER ORDER

STATION NAME	NRA REF.	MET. OFFICE	GRID REFERENCE	ALT (Moad)	ANN.AV. RF. (mm)	START OF RECORD	AREA
STONE	3014	90803	SJ878321	107	736	08/1963	UT
RODBASTON	3025	92233	SJ920116	101	689	10/1985	UT
HOLLIES	3026	91860	SJ816224	110	687	02/1982	UT
OVERSEAL	3057	100449	SK291149	88	635	01/1974	UT
BARNHURST	3096	91267	SJ901017	110	710	10/1978	UT
BLITHFIELD	3099	93536	SK071226	83	716	07/1974	UT
CLAY MILLS	3100	101151	SK265259	43	650	09/1982	UT
WILLENHALL	3151	94320	SO979983	119	683	08/1962	UT
RAY HALL WRW	3162	94889	SP025945	109	677	04/1975	UT
FRANKLEY	3167	95325	SP007801	174	770	09/1985	UT
CANNON HILL PARK	3171	95490	SP067834	155	730	01/1984	UT
KINGSTANDING	3177	95646	SP084952	157	729	12/1985	UT
MINWORTH	3180	95802	SP164922	79	660	05/1975	UT
TUDOR GRANGE	3185	96006	SP147789	129	735	03/1981	UT
ELMDON MET OFFICE	3187	96893	SP167841	98	680	10/1985	UT
HINCKLEY	3198	98210	SP420927	99	655	09/1962	UT
ATHERSTONE	3201	99321	SP318980	71	674	04/1966	UT
HIGHTERS HEATH	3271	96712	SP086792	158	745	01/1982	UT
ROWAY LANE	3273	94599	SO986902	134	750	10/1976	UT
WALSALL WOOD	3275	94700	SK038042	140	720	02/1977	UT
NORTON GREEN	3280	96110	SP185749	101	710	02/1984	UT
SPRINGBROOK	3281	95861	SP107727	148	750	11/1985	UT
WARD END	3282		SP106882	99	680	08/1986	UT
LOWER GORNAL	3283		SO904906	107	715	07/1986	UT
BIRCHLEY HEATH WRW	3286	97217	SP285943			02/1991	UT
HOLLINSLOUGH	3307	101204	SK066665	291	1273	09/1959	UT
ASHBOURNE, ST OSWALDS	3322	102367	SK173465			03/1991	LS
DERWENT RESERVOIR	3380	106295	SK175899	249	1275	04/1985	LT
BARBROOK	3404	107268	SK281770	323	940	10/1977	LT
OGSTON	3441	109141	SK380598	102	762	09/1963	LT
CAULDON LOW	3570	103493	SK058480	293	910	03/1985	UT
CHAPEL RESERVOIR	3572	558292	SK069795	354	910	02/1985	UT
STANLEY RESERVOIR	3573	103072	SJ929519	177	910	02/1981	UT
KIRK LANGLEY	3575	110330	SK293392	99	760	09/1980	LT
LONGCLIFFE	3576	108768	SK228553	366	950	11/1980	UT
SPONDON	3577	110525	SK395345	40	620	09/1985	LT
TIDESWELL	3578	107931	SK155746	255	1090	10/1980	LT
CARSINGTON DAM	3580	102435	SK242503	168	860	09/1986	UT
NARBOROUGH	3605	111398	SP549966	74	655	02/1971	LT
MOUNT ST. BERNARDS	3641	115296	SK459158	186	760	10/1985	LT
BROOKSBY	3680	113774	SK679154	70	620	07/1964	LT
WANLIP	3683	112545	SK598117	52	630	10/1985	LT

KEY TO ABBREVIATIONS

AREA	
LS - LOWER SEVERN	LT - LOWER TRENT
US - UPPER SEVERN	UT - UPPER TRENT

TABLE 14
OPERATIONAL RAINFALL INTENSITY STATIONS
NRA REFERENCE NUMBER ORDER

STATION NAME	NRA REF.	MET. OFFICE	GRID REFERENCE	ALT (M _{asod})	ANN.AV. RF. (mm)	START OF RECORD	AREA
FLECKNEY	3686	111729	SP656946	99	640	12/1985	LT
WHISSENDINE	3687	112771	SK829144	104	650	12/1985	LT
COLWICK	3771	117867	SK615393	23	591	06/1966	LT
SUTTON-IN-ASHFIELD	3816	122707	SK510595	139	715	01/1969	LT
TICKHILL	3887	127564	SK602936	11	600	09/1986	LT
WORKSOP	3901	125215	SK608791	62	620	10/1985	LT
LANGAR	3996	119909	SK732338			07/1989	LT

KEY TO ABBREVIATIONS

AREA	
LS - LOWER SEVERN	LT - LOWER TRENT
US - UPPER SEVERN	UT - UPPER TRENT

FIGURE 36

LOCATION OF INTERROGABLE RAINFALL INTENSITY STATIONS

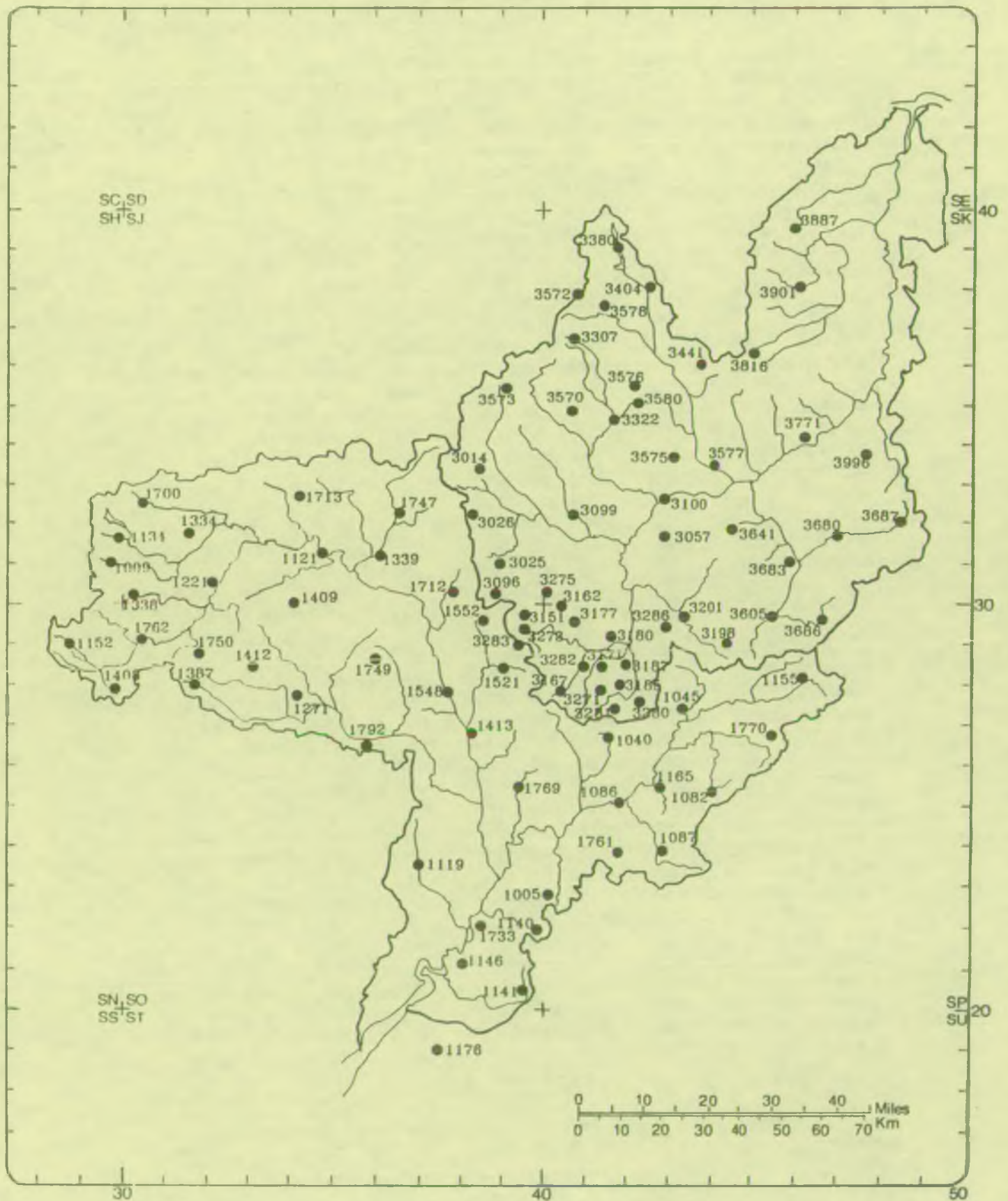


TABLE 15
DAILY RAINFALL STATIONS
MET OFFICE NUMBER ORDER

STATION NAME	NRA REF	MET. OFFICE	GRID REFERENCE	ALT (Maod)	ANN. AV. RF. (mm)	START RECORD	AREA	FREQ
BURSLEM WRW	3008	89361	SJ862487	122	850	1976	UT	D
KEELE UNIVERSITY	3004	89542	SJ820446	179	805	1951	UT	D
STRONGFORD W.R.W.	3068	89714	SJ878393	95	800	1978	UT	D
HIXON WRW	3104	90273	SK002246	79	740	1984	UT	D
SUGNALL HALL	3009	90358	SJ799312	143	735	1968	UT	D
STAFFORD RIVERWAY	3016	91143	SJ930230	75	745	1981	UT	D
BARNHURST W.R.W.	3096	91267	SJ900016	110	710	1978	UT	D
SLADE HEATH P.S	3020	91403	SJ918071	104	693	1919	UT	D
BELVIDE RES	3024	91773	SJ811103	112	733	1885	UT	D
HOLLIES P.S	3026	91860	SJ816224	110	687	1963	UT	D
PENKRIDGE, STAFFS A/C	3025	92233	SJ920116	101	689	1956	UT	D
SLITTING MILL	3031	92923	SK033173	91	739	1921	UT	D
MEIR P.S.	3037	93141	SJ937421	188	846	1882	UT	D
FRADSWELL	3042	93358	SK007334	137	801	1946	UT	M
BLITHFIELD RES	3048	93536	SK071226	83	716	1944	UT	D
BLITHFIELD RES (TG)	3099	93546	SK075233	103	710	1982	UT	I
BAGOT'S PARK	3101	93592	SK091269	128	730	1982	UT	D
GENTLESHAW	3051	93765	SK049123	227	796	1949	UT	M
HANCH RES.	3054	93864	SK103136	79	706	1918	UT	D
GOLDTHORNE HILL	3277	94265	SO910966	180	720	1982	UT	I
WILLENHALL S.WKS.	3151	94320	SO979983	119	683	1962	UT	D
ROWAY LANE S.WKS	3273	94599	SO986902	134	750	1982	UT	I
WALSALL, ALDRIDGE	3210	94720	SK058010	163	740	1963	UT	D
RAY HALL WRW	3162	94889	SP025945	109	677	1986	UT	I
WEST. BROM NURSERIES	3163	94894	SP018934	134	741	1965	UT	D
ERDINGTON RES.	3214	95170	SP102917	135	725	1912	UT	M
FRANKLEY	3167	95326	SP004801	174	770	1938	UT	D
KINGSTANDING	3177	95646	SP084952	157	729	1944	UT	M
SUTTON COLDFIELD	3276	95702	SP128974	129	720	1982	UT	D
SPRINGBROOK WRW	3281	95861	SP107727	148	750	1985	UT	I
DORRIDGE, WINDMILL FM	3183	96081	SP171733	130	720	1972	UT	D
NORTON GREEN	3280	96110	SP185748	101	710	1982	UT	I
B'HAM, HALL GREEN	3267	96672	SP109798	140	750	1980	UT	D
HIGHTERS HEATH RES	3271	96712	SP086792	158	745	1933	UT	M
ELMDON M.O.	3187	96893	SP167841	98	680	1981	UT	D
WHITACRE NEW W.WKS	3284	97263	SP217911	73	665	1989	UT	D
HUNTS GREEN	3274	97503	SP183975	82	660	1982	UT	D
LITTLE HAY	3194	97900	SK123030	91	726	1927	UT	D
HINCKLEY S.WKS	3198	98210	SP420927	99	655	1928	UT	D
NUNEATON P.S.	3199	98408	SP361923	82	668	1933	UT	D
HARTSHILL NEW S.WKS	3200	98544	SP333955	75	640	1972	UT	D
NAILSTONE, CROWN FARM	3204	98814	SK426077	151	630	1971	UT	D

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STATION NAME	NRA REF	MET. OFFICE	GRID REFERENCE	ALT (Moad)	ANN.AV. RF. (mm)	START RECORD	AREA	FREQ
STOKE GOLDING, COMVNT	3265	99063	SP409974	100	670	1979	UT	D
MARKET BOSWORTH S.WK	3270	99219	SK392028	95	670	1981	UT	D
COTON LANE WRW	3268	99712	SK193057	61	640	1980	UT	M
ELFORD, WEBBS FARM	3285	99829	SK192104			1991	UT	D
NORTON-JUXTA-THYCROS	3055	100202	SK318006	127	660	1966	UT	D
OVERSEAL S.WKS	3057	100449	SK291149	88	635	1968	UT	D
CHILCOTE P.S.	3058	100498	SK284103	73	631	1935	UT	D
BARTON-U-NEEDWOOD	3103	100748	SK199183	50	650	1982	UT	D
OUTWOODS	3063	101049	SK227240	94	666	1935	UT	M
WINSHILL P.S.	3062	101089	SK264229	94	650	1919	UT	M
CLAYMILLS WRW	3100	101151	SK265259	43	650	1982	UT	D
ONECOTE, LOXLEY PK FM	3317	101838	SK045554	290	1110	1978	UT	M
UPPER CASTERN	3320	102035	SK123526	259	1035	1968	UT	D
ASHBOURNE W.WKS	3322	102521	SK187459	179	874	1962	UT	D
TITTESWORTH W.WKS	3331	102848	SJ994585	183	1015	1964	UT	D
WALL GRANGE P.STN	3334	103043	SJ966536	139	896	1882	UT	D
CELLARHEAD, ROWNALL	3579	103047	SJ944492	228	930	1979	UT	D
STANLEY RES.	3573	103072	SJ929519	177	910	1981	UT	I
UTTOXETER S.WKS	3338	104024	SK095345	78	790	1969	UT	D
MARCHINGTON P.O.	3339	104335	SK136307	76	735	1973	UT	D
REPTON	3065	105428	SK302267	70	658	1940	LT	D
DERBY, BRAYFIELD ROAD	3455	105608	SK335338	69	653	1958	LT	D
STANTON-BY-BRIDGE WW	3067	105715	SK374271	44	675	1911	LT	D
STAUNTON HARROLD RES	3066	105837	SK383239	85	636	1962	LT	D
SHARDLOW HALL	3348	106070	SK438304	34	625	1973	LT	D
SLIPPERY STONES	3553	106138	SK168954	290	1450	1978	LT	M
DERWENT DAM	3380	106295	SK175899	249	1275	1960	LT	D
FEATHERBED TOP	3369	106381	SK089928	507	1515	1934	LT	M
WOOD COTTAGE	3462	106430	SK128896	310	1525	1972	LT	D
YORKSHIRE BRIDGE	3379	106584	SK198853	168	1037	1926	LT	D
UPPER BOOTH, G.CLOUGH	3385	106616	SK096854	304	1333	1944	LT	M
EDALE MILL	3388	106686	SK134854	221	1241	1936	LT	D
HOPE	3397	106852	SK169822	177	1032	1929	LT	D
ABNEY	3582	106963	SK199799	290		1991	LT	D
UPPER BURBAGE NO.2	3399	107028	SK265829	411	983	1958	LT	M
PARSONS HOUSE	3552	107047	SK273806	379	950	1978	LT	M
MIDDLETON MOOR	3403	107124	SK205752	3061	1025	1974	LT	D
BARBROOK RES.	3404	107268	SK281770	323	940	1910	LT	D
EASTMOOR, THE PADDOCK	3563	107317	SK308714	290	850	1979	LT	M
CHATSWORTH GARDENS	3407	107389	SK262701	133	842	1861	LT	D
BUXTON, TERRACE SLOPE	3412	107494	SK058734	307	1284	1925	LT	D
STANLEY MOOR	3413	107545	SK053714	351	1325	1973	LT	D

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STATION NAME	NRA REF	MET. OFFICE	GRID REFERENCE	ALT (Mood)	ANN. AV. RF. (mm)	START RECORD	AREA	FREQ
PEAK F'EST, CONIES FM	3545	107821	SK118800	329	1200	1977	LT	D
HARGATEWALL	3421	107875	SK117752	347	1186	1951	LT	M
TIDESWELL	3578	107931	SK155746	255	1090	1986	LT	I
MONYASH	3581	108248	SK151665	270		1990	LT	D
LONGCLIFFE RES	3576	108786	SK228553	366	950	1981	UT	I
WHATSTANDWELL W. WKS	3434	108956	SK326554	75	859	1904	LT	D
ASHOVER	3461	109084	SK349629	178	840	1969	LT	D
OGSTON RES.	3441	109141	SK380598	102	762	1963	LT	D
NEWTON	3442	109225	SK446595	171	760	1971	LT	M
BELPER MEADOWS P.S.	3446	109641	SK340477	69	805	1962	LT	D
MIDDLETON TOP	3567	109722	SK276552	303	910	1979	LT	D
LITTLE EATON, LWR P.S.	3449	110105	SK3644CJ	52	719	1965	LT	D
KIRK LANGLEY	3575	110330	SK293392	99	760	1980	LT	I
MARKEATON PARK	3454	110371	SK331377	58	711	1935	LT	D
SPONDON	3577	110518	SK389350	40	620	1983	LT	D
FROLESWORTH, BRAMBLES	3684	110779	SP508903	113	660	1979	LT	D
NARBOROUGH S. WKS	3605	111398	SP549966	74	655	1971	LT	D
HOUGHTON-ON-THE-HILL	3606	111523	SK389035	165	670	1972	LT	D
FLECKNEY	3686	111729	SP656946	101	640	1985	LT	I
WISTON HALL	3608	111739	SP641957	94	649	1905	LT	D
WIGSTON S. WKS	3609	111947	SP593967	78	651	1912	LT	D
LEICESTER, SAFFRON LN	3612	112166	SK584021	59	625	1969	LT	M
LEICESTER WATER CNTR	3679	112395	SK563071	100	670	1976	LT	I
WANLIP WRW	3683	112545	SK598117	52	630	1980	LT	D
LEESTHORPE	3617	112704	SK798136	125	650	1972	LT	D
WHISSENDINE	3687	112771	SK829144	103	650	1985	LT	I
WALTHAM ON THE WOLDS	3615	113259	SK804251	174	660	1872	LT	M
FERNELEY SCHOOL	3624	113408	SK751210	111	640	1969	LT	M
BROOKSBY HALL, AG. COL	3680	113774	SK679154	70	620	1975	LT	D
LOWESBY-THE-CEDARS	3688	114060	SK724076	130	670	1987	LT	D
BARKBY HALL	3626	114205	SK637098	69	625	1905	LT	D
THORNTON RES.	3627	114337	SK473072	112	694	1856	LT	D
ULVERSCROFT	3636	114807	SK497117	195	732	1931	LT	D
NEWTOWN LINFORD	3634	114830	SK530095	119	675	1958	LT	D
SWITHLAND RES.	3631	114895	SK555148	52	713	1886	LT	W
BURTON-ON-THE-WOLDS	3629	115083	SK608215	79	640	1972	LT	D
NANPANTAN RES	3632	115174	SK508171	82	702	1878	LT	D
LOUGHBOROUGH	3635	115244	SK529209	41	665	1902	LT	D
MT. ST. BERNARD'S ABBY	3641	115296	SK459158	186	760	1964	LT	I
BLACKBROOK RES.	3644	115306	SK456178	107	694	1899	LT	D
EAST LEAKE HILLS	3648	115831	SK567279	91	571	1963	LT	M
SUTTON BONINGTON	3652	115902	SK507259	48	611	1908	LT	D

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KIRKBY S.WKS	3752	116094	SK484548	108	750	1968	LT	D
PYE-BRIDGE WRW	3979	116173	SK439527	84	740	1978	LT	D
NEWTORPE S.WKS	3899	116429	SK477449	58	700	1971	LT	D
ILKESTON S.WKS	3755	116527	SK483393	41	631	1934	LT	D
WILFORD HILL RES.	3762	117286	SK579351	90	608	1907	LT	M
WATNALL M.O.	3765	117626	SK503456	117	716	1941	LT	D
SNEINTON P.STN	3769	117848	SK592393	25	615	1904	LT	D
HOLME SLUICE NO.2	3771	117867	SK615393	23	591	1965	LT	D
STOKE BARDOLPH S.WKS	3774	118171	SK635417	22	610	1970	LT	D
BURTON JOYCE W.WKS	3776	118217	SK654443	20	637	1900	LT	M
RAMSDALE HILL RES.	3777	118519	SK596483	153	695	1906	LT	D
FARNSFIELD	3780	118731	SK639561	58	695	1967	LT	D
SOUTHWELL, NOTTS. COL	3782	118920	SK696524	70	665	1972	LT	D
WOOLSTHORPE GRANGE	3785	119386	SK838351	57	574	1960	LT	D
HOSE	3791	119838	SK746287	61	610	1967	LT	D
CROPWELL RISHOP	3905	119943	SK681356	35	550	1973	LT	D
BARKESTON ^W , WILDER FM	3982	120067	SK781349	58	580	1978	LT	D
FLAWBOROUGH HALL	3903	120262	SK782429	30	550	1976	LT	D
ASLOCKTON S.WKS	3993	120439	SK726405	20	580	1981	LT	D
COTHAM NO.2	3995	120636	SK796476	21	560	1982	LT	D
NEWARK, RIVERSIDE RD	3902	120691	SK788523	17	570	1977	LT	D
COLLINGHAM S.WKS	3801	121173	SK828629	9	580	1968	LT	M
BROADWATERS FARM	3980	121285	SK754635	42	580	1977	LT	D
TUXFORD, WESTWOOD	3815	121862	SK714707	73	610	1975	LT	D
RAMPTON HOSPITAL	3806	122024	SK770773	26	560	1969	LT	D
BRAMPTON, MANOR FARM	3985	122165	SK847795	5	580	1979	LT	D
GAINSBOROUGH S.WKS	3814	122500	SK818876	7	595	1975	LT	D
WALKER INGHAM	3812	122646	SK778930	11	580	1968	LT	M
SUTTON-IN-ASHFIELD	3816	122707	SK510595	139	715	1915	LT	D
MANSFIELD W.R.W.	3818	122775	SK548621	85	695	1973	LT	D
CLIPSTONE W.WKS	3820	122891	SK603643	69	657	1907	LT	M
RAINWORTH, SPRING HIL	3824	123028	SK597592	90	645	1976	LT	D
BOUGHTON P.STN	3823	123261	SK668692	43	626	1900	LT	D
SHIREBROOK S.WKS	3826	123618	SK534674	78	680	1972	LT	D
WARSOP, GLEADTHORPE	3828	123712	SK591699	46	613	1951	LT	D
CLOWNE S.WKS	3838	123963	SK503755	115	690	1976	LT	D
CLUMBER PARK	3836	124227	SK623750	47	640	1972	LT	D
BABWORTH HALL	3841	124470	SK686810	30	583	1924	LT	D
WISETON P.STN	3844	124691	SK711893	6	575	1965	LT	D
HARDWICK GRANGE	3992	124936	SK485863	107	630	1981	LT	D
MANTON W.R.W.	3901	125215	SK609792	27	620	1977	LT	D
ABBEY LATHE S.WKS	3855	125416	SK538903	66	660	1974	LT	D

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CARLTON-IN-LINDRICK	3854	125581	SK589838	30	625	1961	LT	D
FINNINGLEY MET. OFFCE	3908	125842	SK659989	10	580	1972	LT	D
OWSTON FERRY	3869	126521	SE805019	11	570	1972	LT	D
WILLOUGHTON MANOR	3994	126701	SK935932	46	640	1982	LT	D
LAUGHTON	3859	126787	SK864982	23	620	1972	LT	D
WARMSWORTH S.WKS	3874	127749	SK550998	21	600	1969	LT	D
CANDY FARM P.STN	3878	127979	SK698031	1	575	1957	LT	D
CROWLE, DIRTNESS P.S.	3882	128787	SE749098	3	568	1881	LT	M
KEADBY P.STN	3884	123856	SE835112	6	611	1947	LT	D
THORNBURY CASTLE SCH	1177	419364	ST636906	34	825		LS	D
BERKELEY	1178	420216	ST674995	8	790		LS	D
CARREG WEN	1600	420649	SN829885	576	2400	1968	US	I
MOEL CYNEDD	1153	420655	SN843877	358	2200	1968	US	D
GARTH-FAWR	1071	420868	SN996791	366	1110	1962	US	D
LLANIDLOES	1294	420983	SN948837	171	1220	1975	US	D
BRYN-Y-FEDWEN	1605	421048	SN836952	509	1825	1971	US	M
DOL BACHOG	1008	421090	SN884936	314	1597	1949	US	D
WAUN-LLWYD, BARCUD	1610	421125	SN841910	442	2100	1971	US	M
DOLYDD	1152	421140	SN873905	297	1780	1968	US	D
CLYWEDOG DAM	1110	421234	SN911870	290	1480	1969	US	D
LLANDINAM	1120	421484	SO022894	131	980	1971	US	D
CARNO, 28 TREMYNODFFA	1344	421954	SN960965	191	1280	1977	US	D
DOLFOR	1324	422328	SO102870	312	1050	1975	US	D
GREGYNOG HALL	1057	422493	SO085976	192	970	1965	US	D
LOWER CEFN PERFA	1400	422693	SO129892	229	950	1982	US	D
GARTHMYL LODGE	1403	423008	SO193990	85	790	1983	US	D
MANAFON	1231	423292	SJ112024	134	960	1972	US	D
BROADWAY HALL, C'STOK	1414	423499	SO299930	145		1990	US	D
CHIRBURY, OAKLEE	1384	423879	SO261983	108	740	1982	US	D
WELSHPOOL, B. FROCHAS	1503	424199	SJ195081	213	880	1972	US	D
WELSHPOOL WRW	1221	424216	SJ233073	70	850	1972	US	D
HOPE, BUTTINGTON VIEW	1341	424242	SJ259074	198	840	1977	US	D
WERN VIEW	1239	424573	SJ252132	67	820	1976	US	D
RHIWARGOR	1620	424744	SH963244	262	1828	1943	US	M
YR-EITHIN	1642	424767	SH955269	488	1950	1978	US	M
GADFA	1623	424813	SH928232	464	2273	1938	US	M
AFON CEDIG, H. EGLWYS	1631	424927	SH993253	433	1867	1951	US	M
BRYN GWYN	1633	424961	SH999196	400	1739	1879	US	M
LAKE VYRNWY	1134	425001	SJ017188	303	1633	1944	US	D
MORETON MORRELL	1166	425001	SP306553	85	622	1654	LS	D
LLANFIHANGEL	1333	425345	SJ089167	274	1300	1975	US	D
ABERCANNON FARM	1002	425785	SH962069	244	1771	1949	US	D

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CHM GOLEU	1340	426180	SJ133057	236	1040	1977	US	D
LLANFYLLIN WRW	1334	426593	SJ154188	113	1080	1976	US	D
LLANSANTFFRAID, WAEN	1366	426762	SJ235197	78	800	1979	US	D
LLANGYNOG WRW	1700	426853	SJ053258	168	1450	1975	US	D
HIRNANT	1640	426967	SJ048225	233	1490	1941	US	M
RHIWLAS	1149	427166	SJ114260	228	1190	1944	US	D
LLANGEDWYN	1053	427387	SJ174243	116	870	1966	US	D
PENYGWELY RES, TY-UCH	1794	427444	SJ221319	322	1128	1987	US	D
LLANYMYNECH		427745	SJ267211	75	750	1987	US	W
LLANFORDA RES	1536	427859	SJ268296	213	938	1897	US	D
OSWESTRY SCHOOL		427863	SJ385293	139	850	1985	US	D
CRICKHEATH MEADOWS	1362	428051	SJ294230	69	740	1979	US	D
PRESTON MONTFORD	1538	428553	SJ432144	61	675	1976	US	D
DUDLESTON HEATH	1222	428890	SJ366357	99	790	1972	US	D
RUYTON-ELEVEN-TOWNS	1050	429166	SJ392224	76	709	1960	US	D
SHELTON	1122	429413	SJ465135	87	720	1970	US	D
HANWOOD	1282	429987	SJ432095	79	710	1973	US	D
WESTBURY	1233	430038	SJ355095	130	770	1972	US	D
WILLOUGHBRIDGE	1288	430632	SJ752399	119	820	1981	US	D
MARKET DRAYTON WRW	1072	430917	SJ669333	76	730	1978	US	D
SANDFORD	1280	431004	SJ583340	84	740	1973	US	D
STOKE-ON-TERN	1404	431151	SJ642290	76	730	1984	US	D
PEPLOW, HOME FARM	1345	431312	SJ636247	69	670	1978	US	D
MORETON	1236	431584	SJ797170	88	680	1972	US	D
NORBURY JUNCTION		431663	SJ794228	101	713	1910	US	W
NEWPORT	1123	432251	SJ712204	64	660	1903	US	D
SLEAP COTTS, CRUDGING	1407	432336	SJ630176	53	610	1985	US	D
RUSHMOOR WRW	1339	432811	SJ617135	50	660	1979	US	D
COCKSHUTT	1224	433056	SH436287	99	710	1974	US	D
WEM W.R.W.	1363	433237	SJ518286	76	690	1979	US	D
SHAWBURY MET-OFFICE	1150	433710	SJ553220	72	670	1944	US	D
ALL STRETTON	1281	434078	SO457958	256	900	1973	US	D
DORRINGTON	1229	434223	SJ481033	99	710	1972	US	D
HARNAGE GRANGE	1041	434595	SJ569021	117	695	1935	US	D
MUCH WENLOCK	1320	434942	SO619999	168	780	1975	US	D
COALPORT	1293	435131	SJ707015	40	720	1974	US	D
WESTON PARK	1544	435388	SJ806108	113	692	1873	US	D
COSFORD W.WKS	1151	435509	SJ780046	59	668	1965	US	D
HATTON GRANGE	1545	435528	SJ764043	80	713	1871	US	D
PATTINGHAM	1238	435970	SO826992	122	680	1973	US	D
HALFPENNY GREEN	1289	436070	SO818914	76	700	1974	US	D
MORVILLE HALL	1405	436549	SO669940	91	696	1985	US	D

KEY TO ABBREVIATIONS

AREA

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FREQUENCY OF READING

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TABLE 15
DAILY RAINFALL STATIONS
MET OFFICE NUMBER ORDER

STATION NAME	NRA REF	MET. OFFICE	GRID REFERENCE	ALT (Maod)	ANN. AV. RF. (mm)	START RECORD	AREA	FREQ
HAMPTON LOADE	1003	436697	S0752870	70	660	1969	LS	D
TRIMPLEY W.WKS	1548	437138	S0772789	41	730	1967	US	D
BAYTON COMMON	1247	437158	S0710729	198	750	1972	US	D
HAYLEY GREEN P.STA	1549	437487	S0941815	180	815	1959	US	D
LYE WRW	1521	437694	S0919849	75	705	1944	US	D
ASHWOOD P.STN	1553	438251	S0866878	63	656	1919	US	D
ENVILLE HALL	1029	438304	S0825866	99	727	1960	US	D
HAGLEY W.R.W	1273	438639	S0898799	81	750	1976	US	D
KIDDERMIN. AGGBOROUGH	1411	438716	S0835759	61	660	1982	LS	D
SHENSTONE	1316	438937	S0863735	76	650	1979	US	D
HOLT LOCK		439253	S0821634	17	644	1880	US	D
WILDMOOR	1264	439375	S0955751	137	725	1973	US	D
BROMSGROVE WRW	1173	439482	S0959685	67	683	1937	US	D
DROITWICH, PETRSFIELD	1511	439672	S0906629	55	640	1973	US	D
ELMBRIDGE	1253	439790	S0901678	56	645	1972	US	D
LINCOMB LOCK	1116	439993	S0821693	19	673	1880	US	D
BEVERE LOCK		440112	S0837595	16	642	1880	LS	D
WORCESTER W.WKS	1557	440198	S0841565	17	651	1888	US	D
DIGLIS LOCK	1108	440229	S0847533	15	633	1880	LS	D
KNIGHTON, VICTORIA RD	1043	440707	S0287725	183	1009	1960	US	D
BRAMPTON BRYAN	1067	440885	S0371762	131	869	1961	US	D
TWO CROSSES	1048	441059	S0238866	434	1072	1961	US	D
CLUN	1255	441305	S0309801	262	920	1972	US	D
CLUNBURY	1066	441373	S0372805	158	825	1961	US	D
LEINTHALL EARLS	1252	442025	S0444677	134	850	1976	US	D
RATLINGHOPE, COATES	1012	442525	S0393954	328	890	1968	US	D
CHURCH STRETTON WRW	1386	442927	S0438909	180	860	1980	US	D
CRAVEN ARMS WRW	1271	443093	S0437811	111	780	1975	US	D
OAKLY PARK	1142	443216	S0491762	91	775	1899	US	D
LONGVILLE, WILDERHOPE	1795	443365	S0545928	229	760	1989	US	D
WESTHOPE, GARDEN COTT	1148	443638	S0475863	186	772	1936	US	D
LUDLOW WRW	1312	443891	S0516732	72	790	1978	US	D
CLEE STANTON	1410	444353	S0580788	255		1990	US	D
KYRE	1022	444643	S0638620	99	747	1959	US	D
TENBURY WRW	1313	444765	S0604685	73	700	1978	US	D
BURWARTON	1416	445032	S0618853			1990	US	D
HOPTON W.FERS	1392	445388	S0636764	169	870	1982	US	D
EASTHAM	1277	445563	S0669680	88	710	1977	US	D
KINGSWOOD		445778	S0744598	53	690	1961	US	D
WHITBOURNE W.WKS	1519	445799	S0728573	30	700	1967	US	D
COLWALL, EVENDINE LA.		446072	S0757412	148	720	1981	LS	D
OLD STORRIDGE	1512	446330	S0750514	84	751	1962	US	D

KEY TO ABBREVIATIONS

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TABLE 15
DAILY RAINFALL STATIONS
MET OFFICE NUMBER ORDER

STATION NAME	NRA REF	MET. OFFICE	GRID REFERENCE	ALT (Maod)	ANN. AV. RF. (mm)	START RECORD	AREA	FREQ
MONKWOOD GREEN	1272	446551	S0797602	50	670	1976	US	D
GREAT MALVERN		446802	S0791470	44	710	1974	LS	D
MALVERN	1563	446823	S0790461	62	747	1955	LS	D
CLEVELODE FARM		446888	S0833460	30	660	1981	LS	D
LONGDON, ST. MARY'S	1266	447413	S0837363	23	670	1974	LS	D
TEWKESBURY P. STN	1564	447570	S0890337	14	612	1913	LS	D
TEWKS. UPPER LODE		447576	S0881328	12	626	1880	LS	D
WELFORD, NEW	1415	447652	SP639800	115		1990	LS	D
STANFORD RES	1155	447787	SP596804	112	686	1942	LS	D
LUTTERWORTH WRW	1397	448389	SP531830	107	670	1976	LS	D
RUGBY	1565	448545	SP507749	117	652	1957	LS	D
COVENTRY, WALSGRAVE	1401	449242	SP380798	75	660	1981	LS	D
COVENTRY, BABLAKE SCH		449609	SP326797	93	670	1984	LS	D
FINHAM WRW	1045	449958	SP334740	61	644	1960	LS	D
STAVERTON	1049	450183	SP537611	168	709	1961	LS	D
DRAYCOTE RES	1200	450489	SP469693	98	620	1971	LS	D
FENNY COMPTON SCHOOL	1081	450732	SP418524	116	690	1969	LS	D
SOUTHAM, 76 BANBURY	1402	451117	SP416613	82	630	1983	LS	D
LEAMINGTON SPA	1766	451517	SP309655	49	620	1980	LS	I
HATTON		451683	SP243669	98	678	1938	LS	W
WELLESBOURNE	1165	452036	SP271565	47	599	1950	LS	D
WELLESBOURNE NO. 2		452037	SP271565	47	600	1978	LS	D
LOWER BRAILES SCHOOL	1204	452840	SP308393	128	680	1971	LS	D
CHIPPING CAMPDEN WRW	1761	453096	SP164393	123	750	1981	LS	D
BLOCKLEY	1574	453191	SP165348	137	745	1925	LS	D
SHIPSTON-ON-STOUR	1067	453420	SP268411	67	625	1981	LS	D
ILMINGTON	1203	453836	SP209436	119	680	1971	LS	D
STRATFORD, MILCOTE	1086	453923	SP182529	47		1990	LS	D
STRATFORD, EXP.		454099	SP164549	49	623	1941	LS	D
LYE BR. (ALVECHURCH)	1201	454433	SP032717	104	750	1975	LS	D
STUDLEY WRW	1016	454739	SP080625	61	680	1975	LS	D
BROADWAY WRW	1210	455992	SP081378	69	705	1979	LS	D
SUDELEY LODGE	1580	456197	SP041270	152	790	1976	LS	D
DIDBROOK FIELDS	1593	456333	SP048320	80	715	1977	LS	D
HAMPTON PARK WRW	1111	456523	SP030446	30	620	1957	LS	D
ASHWOOD BANK	1581	456753	SP045611	139	700	1976	LS	D
PERSHORE COLL. HORT.	1169	457134	S0959447	40	641	1952	LS	D
HEWLETTS RES	1583	458331	S0973222	128	707	1890	LS	D
BROCKHAMPTON WRW	1726	458427	S0944266	40	645	1983	LS	D
DOWDESWELL RES NO. 2	1140	458845	S0983198	100	740	1979	LS	D
CHELTENHAM, MONTEPEL.		458905	S0946218	65	665	1903	LS	D
WHITCOMBE RES	1522	459378	SP903151	84	732	1863	LS	D

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TABLE 15
DAILY RAINFALL STATIONS
MET OFFICE NUMBER ORDER

STATION NAME	NRA REF	MET. OFFICE	GRID REFERENCE	ALT (Maod)	ANN. AV. RF. (mm)	START RECORD	AREA	FREQ
STAPLOW	1391	459695	S0693416	70	700	1982	LS	D
LEDBURY WRW	1119	459794	S0701372	46	700	1976	LS	D
UPTON BISHOP, T'WOOD	1796	460030				1990		
BROMSBERROW HEATH PS	1175	460147	S0738332	55	717	1908	LS	D
STAUNTON WRW	1274	460418	S0785282	21	675	1973	LS	D
TAYNTON	1516	460748	S0742216	25	755	1928	LS	D
HARESCOMBE GRANGE	1587	460921	S0843105	170	770	1901	LS	D
HEMPSTED(NETHERIDGE)	1146	460970	S0811157	12	665	1959	LS	D
MISERDEN PARK	1141	461467	S0938088	232	941	1930	LS	D
SHEEPSCOMBE	1251	461777	S0897104	134	860	1972	LS	D
AVENING	1261	461940	ST885982	130	915	1973	US	D
KINGSCOTE WIND. COTT.		462027	ST811967	229	910	1984	US	D
WOODCHESTER, HOME GRD	1793	462125	S0838026	76	900	1987	LS	D
WHITMINSTER	1518	462252	S0756093	10	776	1891	LS	D
CINDERFORD CRUMP MED	1279	463377	S0646138	152	875	1977	LS	D
SLING, MARSH LANE	1260	463587	S0585076	183	1010	1973	LS	D
DOWN HOUSE, BROMYARD	1138	475361	S0671545	150	740		US	D
CHAPEL RESERVOIR	3572	558292	SK069795	353		1986	LT	I

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TABLE 16

CLIMATOLOGICAL STATION CATALOGUE

STATION NAME	AREA	MET. OFFICE REFERENCE NUMBER	NATIONAL GRID REFERENCE	ELEVATION (mAOD)	STATION TYPE	DATE OF FIRST RECORD
GREENFIELDS	US	431395	SJ 614 261	85	FULL	1981
CAERSWS	US	-	SO 040 925	137	TW	RT
VYRNWY	US	-	SJ 017 188	303	TW	RT
BISHOPS CASTLE	US	-	SO 338 873	251	TW	RT
LEDBURY	US	-	SO 701 372	38	TW	RT
STONE	UT	-	SJ 878 321	107	TW	RT
FRANKLEY	UT	-	SP 007 801	174	TW	RT
HOLLINSCLOUGH	UT	-	SK 066 665	291	TW	RT
CLAY MILLS	UT	-	SK 265 259	43	TW	RT
BARBROOK	LT	-	SK 281 770	323	TW	RT
NARBOROUGH	LT	-	SP 549 966	74	TW	RT
BROOKSBY	LT	-	SK 679 154	70	TW	RT
WORKSOP MANTON	LT	-	SK 608 791	62	TW	RT

KEY

FULL - Full climate station collecting all of the parameters required to calculate Penman's potential evapotranspiration.

TW - Partial climate station measuring air temperature and wind run only.

RT - Data for these stations is for real time use and no long term archives are retained.

TABLE 17

GROUNDWATER OBSERVATION BOREHOLE NETWORK

A. TRENT CATCHMENT

NAME OF BOREHOLE	REF NO.	GRID REF	AQUIFER	GROUNDWATER UNIT	UNIT CODE	START OF RECORD	AREA
Little Grange Farm	1035	SJ 9260 3910	SS	Forsbrook	F.3.6	17.06.80	UT
Hardiwick Farm	1034	SJ 9580 4360	SS	Forsbrook	F.3.6	17.06.80	UT
Meadowside Farm	1003	SJ 9480 4150	DF	Forsbrook	F.3.6	04.02.74	UT
Moddershall	1036	SJ 9307 3661	SS	Spot	F.3.7	17.06.80	UT
Wheatsheaf	1039	SJ 9300 3850	SS	Spot	F.3.7	20.06.80	UT
Rough Close	1004	SJ 9260 3910	SS	Spot	F.3.7	02.02.73	UT
Squirrels Leap	8005	SJ 9268 3745	SS	Spot	F.3.7	04.02.76	UT
Fair Oak	1006	SJ 7651 3322	SS	Bishops Wood	F.4.1	13.10.66	UT
Bishops Offley	1030	SJ 7835 2990	SS	Bishops Wood	F.4.1	23.05.80	UT
Greatwood Farm	1033	SJ 7800 3120	SS	Bishops Wood	F.4.1	17.06.80	UT
Croxton (Ginger Lane)	1023	SJ 7885 3182	SS	Bishops Wood	F.4.1	07.04.77	UT
Croxton Bank	1056	SJ 7830 3270	SS	Bishops Wood	F.4.1	01.02.87	UT
Shutt Lane	1059	SJ 7860 3300	SS	Bishops Wood	F.4.1	12.08.88	UT
Windmill Lane	1060	SJ 7820 3220	SS	Bishops Wood	F.4.1	12.08.88	UT
Podmore	1022	SJ 7840 3550	MM	(Minor Aquifer)	24-UT	13.10.66	UT
Broughton Hall	1032	SJ 7650 3400	MM	(Upper Trent)	24-UT	13.08.80	UT
Stabhill	1029	SJ 8499 3665	SS	Hatton	F.4.2	19.02.79	UT
Sheldon-U-Harley	1043	SJ 8220 3940	SS	Hatton	F.4.2	30.06.81	UT
Upper Hatton Wood	1057	SJ 8310 3770	SS	Hatton	F.4.2	20.05.88	UT
Standon	1062	SJ 8210 3480	SS	Hatton	F.4.2	20.05.88	UT
Wing House	1044	SJ 8610 3670	SS	Tittensor	F.4.3	30.06.81	UT
Brickhouse Farm	1031	SJ 9526 2466	SS	Hopton	F.4.6	17.06.80	UT
Stone	1005	SJ 9526 2466	SS	Oulton	F.4.4	29.11.74	UT
Buildings Farm	1026	SJ 9550 2014	SS	Teddesley	F.4.8	13.07.78	UT
Bednall Head	1008	SJ 9706 1749	SS	Teddesley	F.4.8	14.10.72	UT
Teddesley Park	1024	SJ 9659 1632	SS	Teddesley	F.4.8	12.05.77	UT
Brocton Reserve Pond	1046	SJ 9680 1880	SS	Teddesley	F.4.8	08.09.82	UT
Brocton Reserve BH	1045	SJ 9680 1880	SS	Teddesley	F.4.8	08.09.82	UT
Woolgarston	1009	SJ 9410 1390	SS	Teddesley	F.4.8	26.11.73	UT
Sherbrooke Valley	1047	SJ 9885 1665	SS	Rugeley	F.4.7	20.01.83	UT
Dry Pits	1051	SJ 9855 1888	SS	Rugeley	F.4.7	20.03.87	UT
Hilton Colliery	1010	SJ 9405 0434	SS	Coven	F.4.9	29.01.73	UT
Codsall WRW	1025	SJ 8840 0370	SS	Coven	F.4.9	13.07.78	UT
Four Crosses	1007	SJ 9580 0968	SS	Coven	F.4.9	04.07.69	UT
Coven Lane	1048	SJ 8980 0450	SS	Coven	F.4.9	31.10.83	UT
Cat and Kittens	1050	SJ 9230 0500	SS	Coven	F.4.9	14.03.84	UT
Ibstock	1212	SK 4047 0905	SS	Coalville	F.0.2	05.05.72	UT
Royle Farm	1014	SK 2540 1900	SS	Burton	F.0.4	24.11.72	UT
Repton Park Farm	1015	SK 3130 2400	SS	Burton	F.0.4	03.12.73	UT
Branston	1019	SK 2345 2163	SS	Burton	F.0.4	17.01.69	UT
Clays Lane	1053	SK 2280 2180	SD	Minor Aquifer	15-UT	01.01.86	UT

TABLE 17 (CONTINUED)

GROUNDWATER OBSERVATION BOREHOLE NETWORK

NAME OF BOREHOLE	REF NO.	GRID REF	AQUIFER	GROUNDWATER UNIT	UNIT CODE	START OF RECORD	AREA
Green Lane (No 1)	1054	SK 2000 2050	SD	(Burton Gravels)	15-UT	01.01.86	UT
Green Lane (No 2)	1055	SK 2000 2050	SD	(Burton Gravels)	15-UT	01.01.86	UT
Grangewood	1021	SK 2731 1419	SS	Measham	F.0.5	31.01.67	UT
Whitehouse	1018	SK 2731 1419	SS	Measham	F.0.5	28.10.66	UT
Barnsheath	1028	SK 3280 1010	SS	Measham	F.0.5	21.09.78	UT
Newton Regis	1211	SK 2818 0737	SS	Warton	F.0.6	27.02.70	UT
United Biscuits (Ashby)	1027	SK 3517 1785	CM	Swadlincote	D.0.2	12.11.78	UT
Bog Lane	1042	SK 3732 2434	N	Melbourne	D.0.3	25.03.81	UT
Wiltell	1013	SK 1175 0898	SS	Lichfield	F.5.1	27.08.69	UT
Whittington	1223	SK 1550 0650	SS	Lichfield	F.5.1	20.05.81	UT
Stubbers Green	1221	SK 0510 0740	SS	Shenstone	F.5.2	02.09.76	UT
Nuttalls Farm	1203	SK 0670 0120	SS	Shenstone	F.5.2	20.08.75	UT
Shireoak	1202	SK 0601 0423	SS	Shenstone	F.5.2	11.12.70	UT
Weeford Flats	1200	SK 1440 0464	SS	Shenstone	F.5.2	06.07.73	UT
Sutton Park	1222	SP 1040 9610	SS	Sutton	F.5.3	20.05.71	UT
Upper Trinity	1214	SP 0833 8625	SS	Birmingham	F.5.4	07.07.71	UT
Dares Brewery	1215	SP 0761 8519	SS	Birmingham	F.5.4	07.07.71	UT
Nechells	1207	SP 0930 8920	SS	Birmingham	F.5.4	03.11.71	UT
Joseph Harris	1205	SP 0699 9140	SS	Birmingham	F.5.4	03.05.72	UT
Perry Barr	1206	SP 0590 9130	SS	Birmingham	F.5.4	20.12.72	UT
Constitution Hill	1208	SP 0670 8760	SS	Birmingham	F.5.4	29.05.74	UT
Longbridge	1210	SP 0072 7755	SS	Longbridge	F.8.8	30.10.73	UT
Cowburns	1213	SP 3609 9102	SS	Nuneaton	F.0.7	21.01.72	UT
Robinsons End	1217	SP 3175 9106	CM	Arley	D.0.1	29.11.72	UT
Charity Farm	1218	SP 2640 9700	CM	Arley	D.0.1	24.05.74	UT
Abbey Green Farm	1448	SJ 9790 5740	SS	Leek	F.3.8	06.07.82	UT
High Up Farm	1445	SJ 9734 5816	SS	Leek	F.3.8	22.12.77	UT
St Edwards	1407	SJ 9775 5362	SS	Leek	F.3.8	24.12.70	UT
Highgate Farm	1445	SJ 9625 5867	SS	Leek	F.3.8	01.07.86	UT
Teian	1447	SK 0090 3980	SS	Teian	F.3.5	05.05.77	UT
Stubwood	1408	SK 0970 4000	SS	Greatgate	F.3.4	09.11.66	UT
Sunnybank Farm	1446	SK 0360 4065	SS	Greatgate	F.3.4	12.11.76	UT
Alton	1456	SK 0676 4136	SS	Alton	F.3.3	01.08.86	UT
Wooton Lodge	1405	SK 0676 4136	SS	Alton	F.3.3	05.05.72	UT
Burton Shutts	1412	SK 2539 4431	SS	Shirley	F.3.1	12.06.72	UT
Eggington Creamery	1409	SK 2610 2969	SS	K Langley/Burton	F.2.3/ F.0.4	30.09.66	UT

TABLE 17 (CONTINUED)

GROUNDWATER OBSERVATION BOREHOLE NETWORK

NAME OF BOREHOLE	REF NO.	GRID REF	AQUIFER	GROUNDWATER UNIT	UNIT CODE	START OF RECORD	AREA
Sandy Lane	1401	SK 3002 3839	SS	Kirk Langley	F.2.3	03.11.66	LT
Offiler's Brewery	1415	SK 3522 3508	SS	Derby North	F.2.1	28.11.68	LT
Alstonfield	1420	SK 1290 5550	D	Alstonfield	D.3.3	16.05.74	UT
Landcroft Farm	1441	SK 0945 5927	D	Alstonfield	D.3.3	23.03.77	UT
Dowlow	1427	SK 1050 6790	D	Alstonfield	D.3.3	06.10.72	UT
Brassington	1435	SK 2226 5420	D	Alstonfield	D.3.3	12.12.75	UT
Two Dale Barn	1437	SK 1940 5580	D	Alstonfield	D.3.3	04.08.77	UT
Wardlow	1421	SK 0860 4770	D	Alstonfield	D.3.3	17.05.74	UT
Oddo House Farm	1431	SK 2179 6069	D	Matlock	D.3.4	11.04.69	LT
Nutseats Quarry	1433	SK 2368 6584	D	Matlock	D.3.4	11.03.76	LT
Ryder Point	1419	SK 2630 5650	D	Matlock	D.3.4	03.02.76	LT
Hallam Shafts	1454	SK 2930 5480	D	Matlock	D.3.4	20.12.83	LT
Dalehead Farm	1430	SK 2077 6897	D	Buxton	D.3.5	30.04.76	LT
Great Hucklow	1424	SK 1778 7762	D	Buxton	D.3.5	11.04.69	LT
Peak Forest	1426	SK 1200 7880	D	Buxton	D.3.5	21.08.73	LT
Bee Low	1444	SK 0850 7900	D	Buxton	D.3.5	12.10.77	LT
Victory Quarry	1443	SK 0751 7677	D	Buxton	D.3.5	15.03.77	LT
Highcliffe Farm	1442	SK 0820 7135	D	Buxton	D.3.5	15.12.76	LT
Bull i'thorn	1423	SK 1280 6656	D	Buxton	D.3.5	11.04.69	UT
Big Moor	1416	SK 2808 7460	N	Hathersage	D.2.3	11.11.48	LT

TABLE 17 (CONTINUED)

GROUNDWATER OBSERVATION BOREHOLE NETWORK

NAME OF BOREHOLE	REF NO.	GRID REF	AQUIFER	GROUNDWATER UNIT	UNIT CODE	START OF RECORD	AREA
Gamston	1747	SK 7033 7655	SS	Clumber	F.1.3	28.10.69	LT
Dutchess Plantation	1729	SK 5824 7520	SS	Clumber	F.1.3	19.11.69	LT
Manton Lodge	1734	SK 6295 7740	SS	Clumber	F.1.3	11.02.77	LT
BP Bothamsall	1853	SK 6630 7420	SS	Clumber	F.1.3	01.10.87	LT
Fanny Kays Cottage	1855	SK 6720 7990	SS	Clumber	F.1.3	01.10.87	LT
Bilsthorpe	1736	SK 6423 6142	SS	Clipstone	F.1.4	12.08.87	LT
Coxmoor	1731	SK 5215 5763	SS	Clipstone	F.1.4	28.10.69	LT
Clipstone Forest	1793	SK 6040 6230	SS	Clipstone	F.1.4	19.06.79	LT
Watch Hill	1735	SK 6135 5910	SS	Clipstone	F.1.4	28.10.69	LT
Peafield	1732	SK 5632 6440	SS	Clipstone	F.1.4	28.10.69	LT
Holly Lodge	1816	SK 5550 5580	SS	Clipstone	F.1.4	23.06.75	LT
BP Egmanton	1854	SK 7546 6816	SS	Clipstone	F.1.4	01.10.87	LT
Catfoot Lane	1820	SK 6060 4590	SS	Blidworth	F.1.6	23.06.75	LT
Loudham Grange	1831	SK 6480 4700	SS	Blidworth	F.1.6	24.06.75	LT
Cherry Tree	1713	SE 7154 1000	SS	Doncaster	F.1.1	20.08.68	LT
Stainforth	1715	SE 6411 1029	SS	Doncaster	F.1.1	01.05.69	LT
Swinnow Wood	1716	SE 6307 9355	SS	Doncaster	F.1.1	23.12.69	LT
Blaxton	1718	SE 6869 0072	SS	Doncaster	F.1.1	02.04.70	LT
Fighill Thorne	1719	SE 7022 1593	SS	Doncaster	F.1.1	22.10.71	LT
Rooks Farm	1720	SK 7062 9976	SS	Doncaster	F.1.1	04.09.74	LT
Boston Park	1717	SE 6776 0456	SS	Doncaster	F.1.1	22.10.67	LT
Armthorpe	1807	SE 6340 0480	SS	Doncaster	F.1.1	09.03.81	LT
Branton	1809	SE 6370 0070	SS	Doncaster	F.1.1	09.03.81	LT
Haworth	1810	SK 6110 9210	SS	Doncaster	F.1.1	09.03.81	LT
Bescarr	1811	SE 5990 0110	SS	Doncaster	F.1.1	09.03.81	LT
Danes Hill	1725	SK 6736 8646	SS	Ranskill	F.1.2	11.11.69	LT
Crossley Hill	1722	SK 6100 8374	SS	Ranskill	F.1.2	03.12.69	LT
Kilton Forest	1727	SK 6001 8096	SS	Ranskill	F.1.2	18.08.71	LT
Barnby Moor	1728	SK 6650 8470	SS	Ranskill	F.1.2	30.08.74	LT
Grange Farm	1801	SK 6611 8475	SS	Ranskill	F.1.2	24.08.81	LT
Morris Dancers	1730	SK 6448 7257	SS	Clumber	F.1.3	28.10.69	LT
Cliff Farm	1826	SK 6780 4680	SS	Blidworth	F.1.6	16.05.75	LT
Hill Farm	1818	SK 6590 4900	SS	Blidworth	F.1.6	08.07.75	LT
Mill Farm	1829	SK 6300 5000	SS	Blidworth	F.1.6	08.07.75	LT
Meridian	1739	SK 6140 4920	SS	Blidworth	F.1.6	15.12.67	LT
Oxton Hill Reservoir	1812	SK 6490 5180	SS	Blidworth	F.1.6	04.06.75	LT
Oxton	1738	SK 6249 5189	SS	Blidworth	F.1.6	28.10.69	LT
Loath Hill	1814	SK 6330 5410	SS	Blidworth	F.1.6	09.09.75	LT
New Hall Reservoir	1813	SK 6620 5460	SS	Blidworth	F.1.6	29.04.75	LT
Kirklington	1835	SK 6820 5670	SS	Blidworth	F.1.6	15.12.76	LT
Eakring	1753	SK 6792 5898	SS	Blidworth	F.1.6	15.10.75	LT
Kelham Hills	1756	SK 7586 5686	SS	Blidworth	F.1.6	15.10.75	LT
Kighill	1740	SK 5545 5316	SS	Blidworth	F.1.6	28.10.69	LT
Ramsdale Reservoir	1821	SK 5960 4830	SS	Blidworth	F.1.6	16.06.75	LT
Blidworth Lodge	1828	SK 5860 5330	SS	Blidworth	F.1.6	16.05.75	LT
Oxton Bogs Gauge Board	1839	SK 6140 5130	SS	Blidworth	F.1.6	09.07.79	LT
Oxton Bogs TW (26)	1849	SK 6140 5160	SS	Blidworth	F.1.6	20.03.81	LT
Oxton Bogs TW (28)	1842	SK 6160 5140	SS	Blidworth	F.1.6	25.06.80	LT
Oxton Bogs TW (32)	1843	SK 6170 5110	SS	Blidworth	F.1.6	12.01.81	LT
Oxton Bogs TW (33)	1844	SK 6150 5120	SS	Blidworth	F.1.6	25.06.80	LT

TABLE 17 (CONTINUED)

GROUNDWATER OBSERVATION BOREHOLE NETWORK

NAME OF BOREHOLE	REF NO.	GRID REF	AQUIFER	GROUNDWATER UNIT	UNIT CODE	START OF RECORD	AREA
Fox Covert	1823	SK 5860 5050	SS	Blidworth	F.1.6	19.07.75	LT
Forest Farm	1781	SK 6240 5710	SS	Blidworth	F.1.6	09.12.75	LT
York House	1744	SK 5730 4040	SS	Nottingham	F.1.7	26.01.73	LT
Castlegate	1782	SK 5723 3968	SS	Nottingham	F.1.7	24.01.77	LT
John Players	1742	SK 5542 4079	SS	Nottingham	F.1.7	15.10.76	LT
Shipstones	1743	SK 5568 4208	SS	Nottingham	F.1.7	09.12.63	LT
Hazel Hill	1737	SK 5663 4637	SS	Nottingham	F.1.7	29.01.70	LT
Mapperley Reservoir	1848	SK 5869 4310	SS	Nottingham	F.1.7	13.10.82	LT
Spring Farm	1796	SK 7032 3800	SS	Nottingham	F.1.7	07.12.78	LT
Station Street	1856	SK 5768 3938	SS	Nottingham	F.1.7	18.07.88	LT
Island Street	1857	SK 5800 3955	SS	Nottingham	F.1.7	18.07.88	LT
City Hospital	1858	SK 5670 4415	SS	Nottingham	F.1.7	11.04.89	LT
Woodland Farm	1657	SK 7693 3228	SS	Nottingham	F.1.7	11.03.80	LT
Hall Gardens	1746	SK 5071 3723	SS	Beeston	F.1.8	07.03.72	LT
Lowes Nurseries	1785	SK 5172 3826	SS	Beeston	F.1.8	10.01.78	LT
Barton Transport	1802	SK 5246 3623	SS	Beeston	F.1.8	12.11.80	LT
East Leake	1655	SK 5584 2841	SS	Beeston	F.1.8	03.08.79	LT
Stainton Littlewood	1767	SK 5549 9430	ML	Maltby	E.1.2	16.01.73	LT
Gildingwells	1759	SK 5580 8500	ML	Maltby	E.1.2	14.12.73	LT
Hodhill	1766	SK 5207 6635	ML	Bolsover	E.1.3	08.02.72	LT
Whitwell Highwood	1763	SK 5150 7660	ML	Bolsover	E.1.3	15.01.73	LT
Marlpit Lane (Bolsover)	1762	SK 4840 7090	ML	Bolsover	E.1.3	22.02.74	LT
Southward Lane	1760	SK 5248 8018	ML	Bolsover	E.1.3	08.01.73	LT
Penniment Farm	1764	SK 5081 6202	ML	Mansfield	E.1.4	23.01.73	LT
Kirkby-in-Ashfield	1771	SK 4900 5610	ML	Mansfield	E.1.4	12.06.73	LT
Stanton	1765	SK 4800 6030	ML	Mansfield	E.1.4	23.01.73	LT
End Cottage	1769	SK 5127 4184	ML	Hucknall	E.1.5	06.01.69	LT
Croxton Park	1650	SK 8162 2620	LL	Waltham	G.9.2	25.01.73	LT
Hareko	1652	SK 5941 0555	MM	Minor Aquifer	24-S	02.09.71	LT
Whitwick	1653	SK 4305 1586	SS	Diseworth	F.0.1	18.03.75	LT
Micklin Farm	1654	SK 4439 1957	SS	Diseworth	F.0.1	14.07.72	LT

SD Superficial Deposits

LL Lincolnshire Limestone

SS Sherwood Sandstones

ML Magnesian Limestone [Lower]

CM Coal Measures

[MM: Minor Aquifer e.g. Mercia Mudstones]

N Namurian

D Dinantian

TABLE 17 (CONTINUED)

GROUNDWATER OBSERVATION BOREHOLE NETWORK

B. SEVERN CATCHMENT

NAME OF BOREHOLE	REF NO.	GRID REF	AQUIFER	GROUNDWATER UNIT	UNIT CODE	START OF RECORD	AREA
Perry Farm	0315	SJ 3468 3036	SS	Whittington* [5]	F.6.1	03.10.75	US
-	-		SS	Knockin* [4]	F.6.2	-	US
-	-		SS	Alberbury* [6]	F.6.3	-	US
The Knolls	0214	SJ 4227 1733	SS	Ensdon* [18]	F.6.4	13.01.83	US
Broad oak	0050	SJ 4977 1752	SS	Merrington* [11]	F.6.5	12.01.83	US
-	-		SS	Stanton* [16]	F.6.6	-	US
Heathlanes	0169	SJ 6195 2105	SS	Radmoor* [40]	F.6.7	16.07.71	US
Atcham	0012	SJ 5420 0920	SS	Longdon* [1]	F.6.8	06.03.74	US
Woore	0147	SJ 7320 4240	SS	Market Drayton* [1]	F.7.1	14.07.82	UT
Four Alls	0134	SJ 6792 3217	SS	Market Drayton	F.7.1	09.06.71	US
Heathcote	0168	SJ 6537 2834	SS	Wistanwick* [10]	F.7.2	02.01.73	US
Cherrington	0075	SJ 6668 1974	SS	Sambrook* [6]	F.7.3	16.07.71	US
Childs Ercall	2061	SJ 6651 2336	SS	Sambrook	F.7.3	13.01.83	US
Cheswell	0495	SJ 7270 1710	SS	Adeney	F.7.4	09.10.81	US
Egmond Marsh	0496	SJ 7250 0050	SS	Adeney	F.7.4	09.10.81	US
Lizard Wood No 1	0229	SJ 7800 0935	SS	Cosford	F.7.6	27.01.78	US
Lizard Wood No 2	0230	SJ 7800 0935	SS	Cosford	F.7.6	27.01.78	US
Shifnal (Upton Farm)	0360	SJ 7544 0668	SS	Cosford	F.7.6	08.07.77	US
Shifnal (Weston Heath BH)	0457	SJ 7728 1330	SS	Cosford	F.7.6	26.06.81	US
Shifnal (Weston Heath BH)	0458	SJ 7740 1344	SS	Cosford	F.7.6	22.05.73	US
Wrottesley	8003	SJ 8260 0095	SS	Cosford	F.7.6	02.07.84	US
Astol	0010	SJ 7365 0008	SS	Worfield	F.7.7	17.08.77	US
Chesterton	0076	SO 7750 9730	SS	Worfield	F.7.7	15.08.73	US
Claverley (Well)	0081	SO 7740 9310	SS	Worfield	F.7.7	15.08.73	US
Cranmere Farm	0098	SO 7560 9750	SS	Worfield	F.7.7	23.08.76	US
Harrington BH	0158	SJ 7480 0160	SS	Worfield	F.7.7	26.02.76	US
Havenhills	0160	SJ 7357 0324	SS	Worfield	F.7.7	02.12.77	US
Lea Farm (Albrighton)	0218	SJ 8070 0325	SS	Worfield	F.7.7	03.06.77	US
Nor Hill	0277	SO 8110 9980	SS	Worfield	F.7.7	15.08.73	US
Nurton Hill Farm	0284	SO 8320 9970	SS	Worfield	F.7.7	15.08.73	US
Stanmore Cottage	0375	SO 7460 9230	SS	Worfield	F.7.7	21.04.75	US
Stanmore BH (Upper)	0508	SO 7460 9320	SS	Worfield	F.7.7	17.04.84	US
Stanmore BH (Lower)	0509	SO 7460 9320	SS	Worfield	F.7.7	27.04.84	US
Hatton Grange	0499	SJ 7608 0425	SS	Worfield	F.7.7	18.06.80	US
Hatton Grange (Shallow)	0500	SJ 7610 0425	SS	Worfield	F.7.7	18.02.82	US
Patshall	0517	SJ 8135 0095	SS	Worfield	F.7.7	01.07.87	US
Blackbrook	0518	SO 8345 9715	SS	Worfield	F.7.7	01.07.87	US

TABLE 17 (CONTINUED)

GROUNDWATER OBSERVATION BOREHOLE NETWORK

NAME OF BOREHOLE	REF NO.	GRID REF	AQUIFER	GROUNDWATER UNIT	UNIT CODE	START OF RECORD	AREA
Blackbrook Maer .	0036	SJ 7730 3880	SS	Wellings	F.7.8	21.09.73	UT
Check Hill	0074	SO 8610 8860	SS	Wombourne	F.8.1	10.07.78	US
Furnace Grange	0138	SO 8450 9650	SS	Wombourne	F.8.1	28.11.32	US
Greensforge Farm	0145	SO 8600 8800	SS	Wombourne	F.8.1	15.08.73	US
Little Moor(Pattingham)	0224	SO 8310 9800	SS	Wombourne	F.8.1	21.03.77	US
Sandy Acre (Seisdon)	0353	SO 8430 9510	SS	Wombourne	F.8.1	28.11.32	US
Shipley Common	0361	SO 8430 9540	SS	Wombourne	F.8.1	11.04.73	US
Seisdon Tip No 1	0460	SO 8414 9532	SS	Wombourne	F.8.1	07.06.82	US
Heath Barn	0164	SO 8560 8210	SS	Stourbridge	F.8.2	01.11.76	US
Kings Lodge	0209	SO 8440 8540	SS	Stourbridge	F.8.2	19.08.24	US
Kinver-Old Waterworks	0213	SO 8480 8330	SS	Stourbridge	F.8.2	28.06.76	US
Old Barn (A449T)	0287	SO 8570 8170	SS	Stourbridge	F.8.2	19.12.78	US
Prestwood Hospital	0325	SO 8680 8600	SS	Stourbridge	F.8.2	09.10.23	US
Roundhills WRW	0340	SO 8710 8390	SS	Stourbridge	F.8.2	05.02.79	US
Swinford Common	0389	SO 8980 8320	SS	Stourbridge	F.8.2	29.09.77	US
Turbine Cottage-Whittington	0400	SO 8680 8190	SS	Stourbridge	F.8.2	15.05.78	US
Whittington	0427	SO 8580 8270	SS	Stourbridge	F.8.2	31.07.73	US
Norton Obs BH No 14A	0475	SO 8989 8223	SS	Stourbridge	F.8.2	27.03.81	US
Norton Obs BH No 14B	0476	SO 8991 8223	SS	Stourbridge	F.8.2	26.03.81	US
Norton Obs BH No 5	0477	SO 8941 8182	SS	Stourbridge	F.8.2	20.07.81	US
Norton Obs BH No 6	0479	SO 8917 8180	SS	Stourbridge	F.8.2	25.08.81	US
Norton Obs BH No 4	0483	SO 8872 8189	SS	Stourbridge	F.8.2	29.10.81	US
Norton E (Recharge Hole)	0490	SO 8936 8173	SS	Stourbridge	F.8.2	14.12.81	US
Norton C (Layby)	0491	SO 8994 8168	SS	Stourbridge	F.8.2	02.12.81	US
Barnett Hill	0019	SO 8910 7730	SS	Kidderminster	F.8.3	02.06.76	US
Barrowhill	0022	SO 9090 7510	SS	Kidderminster	F.8.3	19.05.76	US
Beech Tree Lane (Obs BH)	0025	SO 8640 8070	SS	Kidderminster	F.8.3	18.04.79	US
Blakeways	0039	SO 8630 7340	SS	Kidderminster	F.8.3	16.05.73	US
Broom House	0054	SO 9020 7830	SS	Kidderminster	F.8.3	16.11.73	US
Clent	0082	SO 9357 7746	SS	Kidderminster	F.8.3	03.06.80	US
Five Ways (01)	0130	SO 8720 8040	SS	Kidderminster	F.8.3	17.11.76	US
Hagley Treherms Farm	0151	SO 9070 8110	SS	Kidderminster	F.8.3	15.05.73	US
Hillfields Farm	0175	SO 8160 7960	SS	Kidderminster	F.8.3	25.04.73	US
Hillpool	0176	SO 8960 7590	SS	Kidderminster	F.8.3	02.04.66	US
Iverley House Farm	0199	SO 8710 8150	SS	Kidderminster	F.8.3	17.11.76	US
Kingsford Farm	0210	SO 8200 8170	SS	Kidderminster	F.8.3	12.08.74	US
Lodge Farm	0235	SO 8900 7360	SS	Kidderminster	F.8.3	31.10.73	US
Longmoor Farm	0237	SO 8840 7270	SS	Kidderminster	F.8.3	31.10.73	US
Norton Borehole OB1	0282	SO 8961 8155	SS	Kidderminster	F.8.3	23.04.74	US
Windmill Pool (Palethorpes)	0298	SO 8940 7890	SS	Kidderminster	F.8.3	29.01.74	US
Pavillion	0306	SO 8880 7860	SS	Kidderminster	F.8.3	12.01.76	US
Rednall Farm	0333	SO 9060 7810	SS	Kidderminster	F.8.3	16.07.62	US
Whitehouse Farm	0425	SO 8626 7997	SS	Kidderminster	F.8.3	25.04.73	US
Yieldingtree Farm	0454	SO 8990 7730	SS	Kidderminster	F.8.3	02.03.64	US
Yieldingtree Cottages	0453	SO 9000 7750	SS	Kidderminster	F.8.3	16.11.73	US
Norton Obs BH No 17A	0469	SO 9003 8098	SS	Kidderminster	F.8.3	14.01.81	US
Norton Obs BH No 17B	0470	SO 9004 8098	SS	Kidderminster	F.8.3	28.01.81	US
Norton Obs BH No 17C	0471	SO 9003 8098	SS	Kidderminster	F.8.3	14.01.81	US
Norton Obs BH No 13A	0472	SO 9041 8149	SS	Kidderminster	F.8.3	28.01.81	US
Norton Obs BH No 13B	0473	SO 9039 8149	SS	Kidderminster	F.8.3	11.02.81	US
Norton Obs BH No 13C	0474	SO 9038 8149	SS	Kidderminster	F.8.3	12.03.81	US

TABLE 17 (CONTINUED)

GROUNDWATER OBSERVATION BOREHOLE NETWORK

NAME OF BOREHOLE	REF NO.	GRID REF	AQUIFER	GROUNDWATER UNIT	UNIT CODE	START OF RECORD	AREA
Norton Obs BH No. 20	0478	SO 8995 8131	SS	Kidderminster	F.8.3	06.08.81	US
Norton Obs BH No 6	0479	SO 8917 8180	SS	Kidderminster	F.8.3	25.08.81	US
Norton Obs BH No 11A (Top)	0480	SO 8933 8157	SS	Kidderminster	F.8.3	13.07.81	US
Norton Obs BH No 11B (Mid)	0481	SO 8933 8157	SS	Kidderminster	F.8.3	13.07.81	US
Norton Obs BH No 11C (Base)	0482	SO 8933 8157	SS	Kidderminster	F.8.3	13.07.81	US
Iverley Lane (Upper)	0493	SO 8840 8010	SS	Kidderminster	F.8.3	04.12.81	US
Norton D (Reservoir)	0489	SO 8979 8161	SS	Kidderminster	F.8.3	02.12.81	US
Iverley Lane (Upper)	0494	SO 8840 8010	SS	Kidderminster	F.8.3	04.12.81	US
Norton E (Recharge Hole)	0490	SO 8936 8173	SS	Kidderminster	F.8.3	14.12.81	US
Norton C (Layby)	0491	SO 8994 8168	SS	Kidderminster	F.8.3	02.12.81	US
Quales Carpets	0329	SO 8230 7270	SS	Stourport	F.8.4	08.03.74	US
The Woodlands (Hartlebury)	0441	SO 8450 7100	SS	Stourport	F.8.4	17.01.73	US
Wribbenhall	0526	SO 7960 7580	SS	Stourport	F.8.4	26.09.88	US
Astley (Berrington Cottages)	0008	SO 7900 6770	SS	Astley	F.8.5	07.02.73	US
Birkmyre Strucons Heath	0034	SO 7740 6570	SS	Astley	F.8.5	07.02.73	US
The Courtlands	0095	SO 7940 6470	SS	Astley	F.8.5	01.10.74	US
Little Witley (Haven N)	0227	SO 7840 6350	SS	Astley	F.8.5	07.02.73	US
Rectory Lane Shrawley	0331	SO 7990 6560	SS	Astley	F.8.5	18.10.74	US
Sankyn Green BH	0350	SO 7940 6470	SS	Astley	F.8.5	05.02.75	US
Shrawley No 2	0364	SO 7990 6620	SS	Astley	F.8.5	04.09.74	US
St Marys Church (Shrawley)	0372	SO 8050 6470	SS	Astley	F.8.5	10.10.74	US
Yells Farm (St Michaels)	0373	SO 7700 6680	SS	Astley	F.8.5	22.08.73	US
Upper Fudges (Shrawley)	0404	SO 8000 6550	SS	Astley	F.8.5	10.10.74	US
Bishops Wood Substation	0035	SO 8360 6830	SS	Ombersley	F.8.6	11.02.74	US
Chatley (Caves Farm)	0073	SO 8510 6130	SS	Ombersley	F.8.6	06.02.73	US
Hartlebury	0159	SO 8460 6950	SS	Ombersley	F.8.6	09.08.78	US
Lower Acton Farm	0239	SO 8470 6750	SS	Ombersley	F.8.6	15.11.73	US
Northampton(Woodfield Cott)	0279	SO 8370 6530	SS	Ombersley	F.8.6	14.08.73	US
Ombersley Borehole No 1	0291	SO 8370 6290	SS	Ombersley	F.8.6	13.03.73	US
Ombersley Well	0292	SO 8370 6260	SS	Ombersley	F.8.6	21.11.73	US
Pipstile Farm (Uphampton)	0317	SO 8350 6460	SS	Ombersley	F.8.6	15.11.73	US
Awford Lane	0456	SO 8450 6570	SS	Ombersley	F.8.6	04.03.73	US
Cow Lane DT	0466	SO 8460 6600	SS	Ombersley	F.8.6	04.03.81	US
Ombersley Borehole No 2	0485	SO 8390 6360	SS	Ombersley	F.8.6	22.07.81	US
Burcott Lane	0059	SO 9680 7160	SS	Bromsgrove	F.8.7	04.07.78	US
Fairfield No 1	0124	SO 9540 7560	SS	Bromsgrove	F.8.7	17.01.73	US
Fairfield No 2	0125	SO 9560 7560	SS	Bromsgrove	F.8.7	19.02.75	US
Sanders Park	0349	SO 9530 7080	SS	Bromsgrove	F.8.7	12.07.78	US
Stoke Prior	0379	SO 9840 6950	SS	Bromsgrove	F.8.7	19.02.75	US
Tickeridge Farm	0392	SO 9420 7070	SS	Bromsgrove	F.8.7	24.09.74	US
Anthony's Cross (Little Cugley)	0004	SO 7200 2350	SS	Oxenhall	F.9.1	29.01.73	LS
Beehive Cottage	0026	SO 7210 2510	SS	Oxenhall	F.9.1	29.01.73	LS
Botloes Farm	0043	SO 7200 2880	SS	Oxenhall	F.9.1	22.08.74	LS
Brand Green	0047	SO 7400 2820	SS	Oxenhall	F.9.1	12.03.73	LS
Compton House	0090	SO 7350 2870	SS	Oxenhall	F.9.1	16.08.76	LS
Hayes Farm (Botloes Green)	0162	SO 7260 2920	SS	Oxenhall	F.9.1	19.02.73	LS
Hilltop	0177	SO 7310 2630	SS	Oxenhall	F.9.1	07.05.73	LS
Keeper Cottage	0204	SO 7430 2930	SS	Oxenhall	F.9.1	29.04.74	LS

TABLE 17 (CONTINUED)

GROUNDWATER OBSERVATION BOREHOLE NETWORK

NAME OF BOREHOLE	REF NO.	GRID REF	AQUIFER	GROUNDWATER UNIT	UNIT CODE	START OF RECORD	AREA
Lock Cottage (Oxenhall)	0232	SO 7130 2660	SS	Oxenhall	F.9.1	19.03.73	LS
New Barns	0266	SO 7310 2800	SS	Oxenhall	F.9.1	25.06.73	LS
Pella Farm	0307	SO 7030 2800	SS	Oxenhall	F.9.1	12.11.73	LS
Poolhill	0318	SO 7290 2930	SS	Oxenhall	F.9.1	29.01.73	LS
Redmarley Village Well	0334	SO 7520 3060	SS	Oxenhall	F.9.1	29.01.73	LS
Stores Cottage	0381	SO 7170 1970	SS	Oxenhall	F.9.1	30.04.73	LS
Summerville Cottage	0384	SO 7310 2930	SS	Oxenhall	F.9.1	15.02.74	LS
Waterdine	0411	SO 7070 2820	SS	Oxenhall	F.9.1	22.10.73	LS
Wyatts Cottage	0448	SO 7030 2530	SS	Oxenhall	F.9.1	08.02.74	LS
Donnington Hall	0108	SO 7160 3380	SS	Bromsberrow	F.9.2	29.10.73	LS
Easingthorpe Hall	0116	SO 7440 5720	SS	Martley	F.9.5	04.06.80	US
The Laurels	0217	SO 7560 6000	SS	Martley	F.9.5	04.06.80	US
Aylton	0015	SO 6620 3780	DE	Minor Aquifer-LS	24-LS	11.03.80	LS
Stocks Farm (Suckley)	0376	SO 7217 5115	DE	Minor Aquifer-LS	24-LS	22.05.80	US
Snead Green House	0370	SO 8623 6784	MM	Minor Aquifer-LS	24-LS	16.11.78	US
Cannop Cross	0067	SO 6090 1160	CM	Forest of Dean	D.9.2	13.02.79	LS
Sallow Vallets	0348	SO 6040 0139	CM	Forest of Dean	D.9.2	08.06.79	LS
Tiddington	0393	SP 2250 5990	SS	Avon (Confined)	F.9.4	08.10.79	LS
Alcester Road	0524	SP 1940 5510	SS	Avon (Confined)	F.9.4	06.09.88	LS
Flowers	0525	SP 1990 5560	SS	Avon (Confined)	F.9.4	06.09.88	LS
New House Farm	0269	SP 3316 8567	PC	Coventry	D.9.3	09.06.71	LS
Courtaulds (Little Heath)	0512	SP 3489 8260	PC	Coventry	D.9.3	21.06.84	LS
Jaguar (Radford)	0513	SP 3326 8083	PC	Coventry	D.9.3	21.06.84	LS
Coventry Dairy	0520	SP 3489 8016	PC	Coventry	D.9.3	01.09.87	LS
Rolls Royce (Quinton Rd)	0521	SP 3359 7829	PC	Coventry	D.9.3	01.09.87	LS
Stoney Road	0522	SP 3332 7813	PC	Coventry	D.9.3	01.10.88	LS
Peugeot Cars (Little Stoke)	0523	SP 3510 7830	PC	Coventry	D.9.3	01.01.90	LS
Montgomery Platings	0519	SP 3409 7904	PC	Coventry	D.9.3	03.09.87	LS
Ram Hall	1219	SP 2470 7830	PC	Meriden	D.9.4	05.09.73	LS
Church Lane	0078	SP 2970 8508	PC	Meriden	D.9.4	28.04.72	LS
Broad Lane	0049	SP 3062 7870	PC	Kenilworth	D.9.5	28.04.72	LS
Ivy Farm	0202	SP 3083 7673	PC	Kenilworth	D.9.5	28.04.72	LS

SS Sherwood Sandstones
PC Permo-Carboniferous
CM Coal Measures
DE Devonian
[MM: Minor Aquifer]

* Indicates additional observation boreholes which are read in the unit as a part of the Shropshire Groundwater Scheme

HYDROMETRIC DATA GROUP

REGIONAL OFFICE : SOLIHULL

DAVID GRIMSHAW	- Senior Hydrologist
ANDREW PIMPERTON	- Hydrologist
ALISON HAMER	- Assistant Hydrologist
BOB MARSHALL	- Assistant Hydrologist
DAVE BIRD	- Technical Assistant

AREA OFFICES

UPPER SEVERN AREA : SHREWSBURY

JIM PAYNE	- Hydrometric Officer
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LOWER SEVERN AREA : TEWKESBURY

PHIL DAVIES	- Hydrometric Officer
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UPPER TRENT AREA : LICHFIELD

TONY BURROWS	- Hydrometric Officer
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LOWER TRENT AREA : NOTTINGHAM

JOHN ADAMS	- Hydrometric Officer
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NRA

Severn-Trent Region