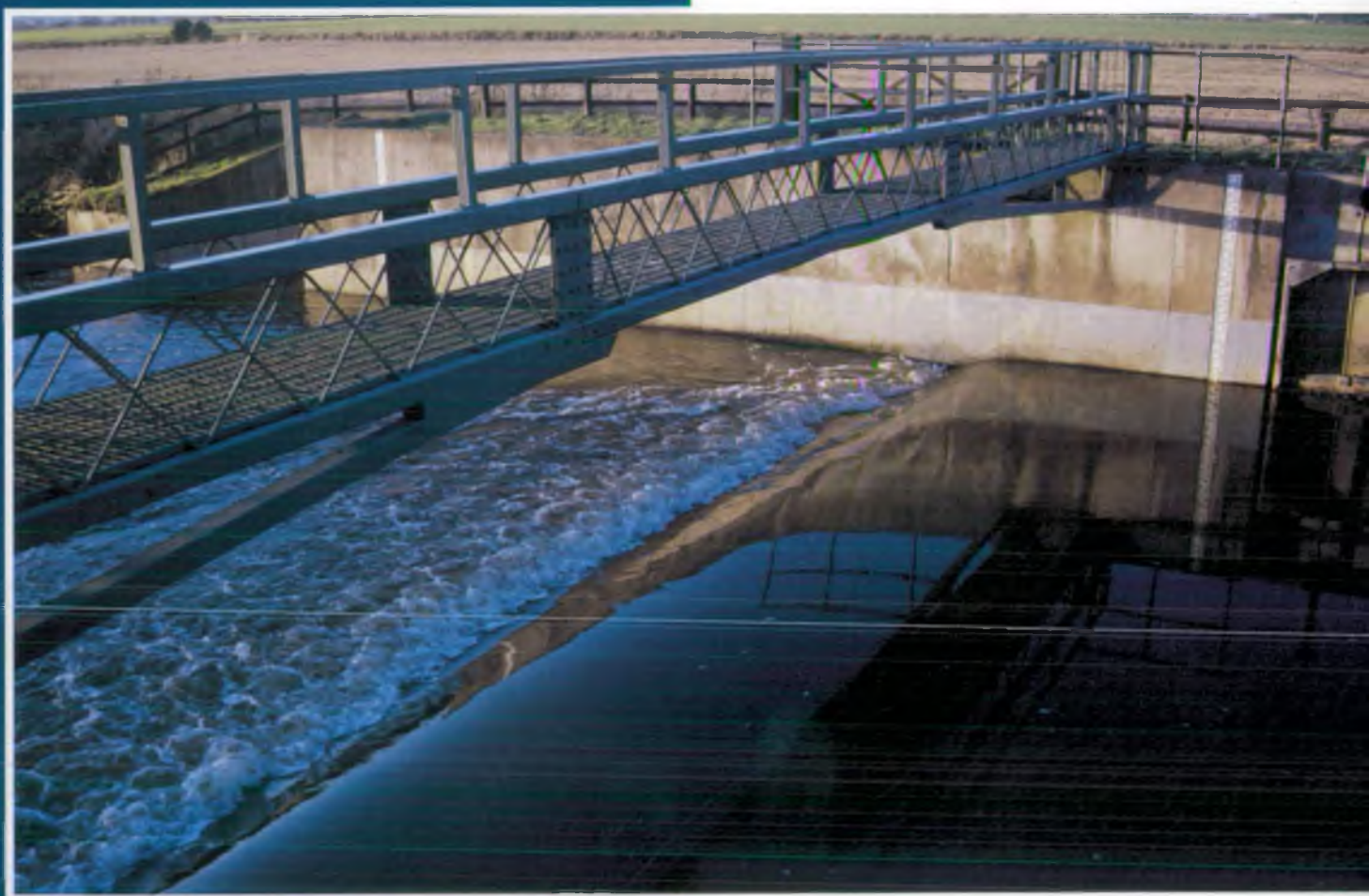


Hydrometric Report and Catalogue 1996



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HYDROMETRIC REPORT & CATALOGUE 1996

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FOREWORD

The 1996 Hydrometric Report and Catalogue is one of a series of annual hydrometric reports produced by the staff of the Environment Agency Midlands Region.

It contains a short hydrometric review of the year 1996 with a range of data summaries at key sites.

The hydrometric catalogue section contains listings of the river level and flow stations, groundwater boreholes, rainfall gauges and climate stations maintained by the region.

Cover photograph : River Tern at Walcot. (Photo : Andrew Mozley).

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INTRODUCTION

The 1996 Hydrometric Report and Catalogue is the second published since the Environment Agency assumed responsibility for hydrometric data in the Midlands Region.

The report is designed to act as a reference for the year and to give an indication of the type and availability of data that can be obtained from established measurement stations. The catalogue section provides comprehensive lists of these stations with maps to identify their locations.

The production of a report that provides a snapshot of the current state of the environment is becoming increasingly important as awareness of the impact of climatic change increases. The hydrometric data quoted in the report represents the combined efforts, of the hydrometric field staff, who maintain the stations and undertake vital calibrations, and the staff within the Hydrometric Data team who process and archive the data for future use.

The Hydrometric Data Team maintains large computerized archives consisting mainly of river level, flow and rainfall data. This report, however, is designed to show only a small sample of the data collected during 1996. Requests or advice regarding the provision of data that are not included should be directed to the staff of the Hydrometric Data Team at Solihull (Telephone; 0121-711-2324 extension; 3223). Groundwater information can be requested on extension 3050.

Hydrometric data can be provided to members of the public and external organisations by writing to the Environment Agency or by telephone request. The Environment Agency does operate a policy for providing information, details of which can be found in catalogue 39.

The 1996 report has been co-ordinated by Alison Williams. Any suggestions or errors should be passed to Alison, or the Hydrometric Data team, at Sapphire East, Solihull.

1. HYDROMETRIC REVIEW

Rainfall over the Midlands was below average during 1996, the region receiving only 76% of the long term average. January was particularly dry and, combined with the below average rainfall of the last three months of 1995, led to many rivers recording their lowest ever flows for the months of January and February. This was an unusual set of hydrological conditions for the winter period, with soil moisture deficits persisting into February and river flows not greatly above their Summer average.

With the exception of February, below average rainfall was recorded over the Region up until October. This pattern was particularly marked over the catchment area of the River Trent. Whilst October and November were above average, they were not exceptionally wet months, hence the low total for the year as a whole.

The low rainfall of 1995 had already led to falling groundwater levels in most areas and the exceptionally dry winter resulted in a severe shortfall in groundwater recharge compared to normal. This, in turn, decreased base flows to rivers during 1996, exacerbating the effects of the below average rainfall. This situation can be compared to 1994/95 when much higher than average winter rainfall led to general rises in groundwater levels. This resulted in reasonable base flows that helped offset the full effects of the very low rainfall experienced during the Summer of 1995.

More complete details on rainfall and river flows are given in the Monthly Hydrological Summary (section 1.1) and a short article (section 1.2) focusing on the droughts of 1995 and 1996.

The most important change in the hydrometric network during the year was the upgrading of the site on the River Trent at Yoxall, just upstream of the confluence with the River Tame. Flows have been measured here since 1959 but weed growth in the channel had become an increasing problem. Flows continued to be produced, with frequent gaugings to monitor the rating, but the overall quality of the flow data was still poor. In 1995 the site was converted to an electromagnet flow gauge and the first data became available in early 1996. The total cost was over £200,000, but the quality of the record at this important site has improved markedly.

During the year a new flow measurement site was opened on the Glynch Brook at Bromsberrow to monitor the effects of upstream groundwater abstractions. Data collection also began from the South Staffordshire Water Plc. flow measurement station on the River Blithe at Nethertown. This measures residual flows immediately downstream of the abstraction to Blithfield Reservoir.

Another notable development in hydrometry was the completion of the link to the Hull Tidal Barrier control centre. This enables tidal level information from a number of gauges, both within the Humber estuary and on the coast to the North and South, to be accessed from the region. This information is used by Lower Trent area officers for tidal flood forecasting and will eventually be fed into flow forecasting models.

The gauge at Hollinsclough was reopened, producing level and flow data for the first time since 1982, and new level recorders were installed on the River Blythe at Cheswick Green and the River Trent at Willington.

Not surprisingly, the number of current meter gaugings carried out during 1996 was lower than the record number of the previous year, although almost 3,800 flow measurements were completed and processed by area hydrometric staff with quality control and archiving being done by the Hydrometric Data Team.

Much of the non routine work effort within the Data Team was directed towards converting our elderly database systems to Microsoft Access. This is being co-ordinated so as to maximise the benefits the new system offers. The main systems converted during the year were the station reference catalogues and current meter gauging database. This program will continue during 1997 and much of this information will then be made available to area users.

1996 was a year of consolidation of existing systems following the abandonment of the WAMS project in early 1995. Towards the end of the year work started on upgrading hydrometric systems at both Sapphire and Area offices. The long term aim is to have all hydrometric information on a central server accessed by all regional users. Until current network capacity problems are overcome, however, it will be necessary to have duplicate copies on area networks. Several projects have been initiated to provide the software and additional storage required. Areas should see the benefits of this work in 1997 and early 1998.

Nationally, one of the most notable successes of 1996 was the formation and initial work of the Hydrologic User Group. This resulted from the growing use of Hydrolog, Rainark and Gaugeman within the Environment Agency and the need to influence and co-ordinate system developments to maximise benefits to the Agency. Procurement of these systems has been made easier and cheaper by a national contract for goods and services from Hydrologic Ltd. Whilst all regions are represented on the group, the Midlands has made a substantial contribution to its success, particularly in bringing about software improvements and co-ordinating the compilation of an Administrator's Manual for the Hydrolog system.

Demand for naturalised river flows has increased sharply in recent years and, in response to this, increased effort has been directed towards extending both the number of stations and record length available. Naturalised flow calculations involve large amounts of data collated from a number of external organisations and are normally calculated early after the end of each calendar year. The sites and record length available are now given on an extra table in the catalogue section of the report.

1.1 Monthly Hydrological Summary

January

Although heavy rainfall was experienced in the first half of January, monthly totals were only 58% of the long term average (LTA) for the region. The areas with the lowest rainfall with respect to long term average were the Welsh Mountains (44%) and the Derwent (50%). Soil moisture deficits were still evident in all areas at the end of the month.

The dry weather during January caused flows in most of the region's rivers to fall much below their normal for the time of year. Many rivers were not much greater than their normal summer flows.

February

Precipitation this month was greater than normal for the time of year with a regionwide average of 115% LTA. Snowfalls early in the month were followed by heavy rainfall on high ground between the 9th and 11th. Three day totals in the Welsh Mountains reached 80mm. The weather remained unsettled for much of the remainder of February. Soil moisture deficits were reduced in many areas to single figures but no areas reached field capacity during the month.

River flows were enhanced by the above average rainfall and by the 22nd the rivers were more representative of their normal winter flows. Upper reaches of the Avon and middle reaches of the Soar were affected by washland flooding and the River Severn was at bankfull as far downstream as Gloucester.

March

The areal rainfall total for March in the Midlands region was 38mm with much of the month's rain falling on two days: the 11th and the 25th. Over the whole month, the east of the region was significantly drier than the west. The only two areas with above average rainfall were the Mid-Severn and Teme area (104%) and the Lower Severn area (106%). Saturated soils were only evident for a small fraction of the winter season and by the end of March soil moisture deficits were increasing again. The low rainfall totals caused river flows to be below average for the time of year.

April

Although much of the Severn Basin received above average rainfall for April, areal monthly rainfall for the region was below average (85% LTA). The regional variations in rainfall produced a similar pattern in river flows. The heavy falls in the west of the region left the River Severn flowing at a normal or above average rate for April. Rivers in the drier east however were reported to be at 16th May river flows were between 27% and 70% LTA. Heavy rainfall in the Welsh Mountains during the period 18th - 23rd allowed flows in this area to increase to their average May values. Elsewhere, rainfall was not as great and flows remained low.

Over the month of May areal rainfall was 75% LTA although in the Welsh Mountains rainfall reached 113% LTA.

June

The hot dry weather at the beginning of June generated heavy thunderstorms throughout the region on the 7th. The following cooler weather and frontal system brought further rain. The peak in river flows was short lived and with warm dry weather for much of the remainder of the month flows dropped to below 50% LTA throughout most of the region. The month's regionwide areal rainfall was only 48% LTA.

Soil moisture deficits increased throughout June and by the end of the month the average deficit was 90mm throughout the region.

July

The very hot dry weather in the middle of July came to an abrupt end on the 23rd when heavy thunderstorms provided the first substantial rainfall since June. Rainfall was very localised with 11mm recorded in less than an hour at Monknor. Despite these storms and further wet weather at the end of the month, the region received only 60% of the expected rainfall for July.

River flows fell sharply during the mid month hot spell during which time the month's lowest flows were recorded.

Many rivers dropped below 50% LTA. The thunderstorms increased flows rapidly with the Severn at Abermule recording 117% LTA on 25th.

August

Monthly rainfall in August was just short of average at 96% LTA. Much of this fell between 20th and 25th with Finham recording 28mm in one hour on the 20th. By the end of August soil moisture deficits had reduced considerably in some areas with the Welsh Mountains having a deficit of only 8mm at the end of August.

After a steep rise in flows following the rainfall, the rivers then returned to their previous levels.

September

The predominantly dry weather for the first three weeks of September caused soil moisture deficits to increase, with river flows below normal. The weather became more unsettled in the final week with rain gauges in the Welsh mountains recording up to 50mm on the 28th. Total rainfall for the month only amounted to 30% LTA.

October

The first half of October was very dry but unsettled weather in the second half of the month increased rainfall totals in excess of average over most of the region. The region's areal average rainfall for the month was 111% LTA. Falls were particularly heavy over the Welsh Mountains at the end of the month when a succession of weather fronts moved across the region. The Welsh Mountains reached 150% of the normal rainfall for October. The last day of the month gave the heaviest rainfall with 51mm recorded at the head of the River Severn. Minor washland flooding occurred in the upper reaches of the Severn and Vyrnwy.

Soils had reached field capacity in areas of the Welsh Mountains by mid-month, and many rivers in the Severn catchment were flowing at above average rates. In the East of the region however, river flows remained below the long term average with values ranging between 35% and 70% LTA.

November

The unsettled weather continued into the first week of November, with the heaviest falls again over the Welsh Mountains. After the 9th the weather was relatively dry and river flows ranged between 12% and 64% LTA. Snowfall on the 24th was recorded at sites in the Upper Trent and Welsh Mountains with water equivalents of up to 20mm. Soil moisture deficits were substantially reduced by the snow melt such that the Welsh Mountains and parts of Shropshire were close to, or fully, saturated.

River flows in the Severn and Trent catchments were near their long term average values for November.

The Welsh Mountains and Derbyshire uplands received further heavy rainfall on the 29th November with maximum daily totals of 39mm and 23mm recorded at Dolydd and Derwent Dam respectively. Isolated flooding was experienced on the River Wye.

Rainfall for November gave the first significant rainfall surplus since September 1995 with rainfall totaling 122% LTA.

December

After the initial wet and unsettled conditions, the weather became calmer and river flows receded to less than 50% LTA. The 18th and 19th of the month saw rain falling over much of the region with the greatest totals recorded in the Trent basin, especially over the high ground of the Peak District. Even with this rainfall, the total monthly rainfall for December was only 60% LTA.

By the end of the year soil moisture deficits were below 30mm across the region but river flows remained lower than average.

1.2 THE DROUGHTS OF 1995 AND 1996

The shortage of rainfall, accompanying high temperatures and soil moisture deficits which produced the environmental drought of 1995 continued through to 1996. The following section compares both the environmental conditions and the water resource issues encountered during the two years. Further information may be obtained from the Water Resources Section at Solihull.

Rainfall

Rainfall totals in the five months of April to August were greater in 1996 (74%LTA) than in 1995 (37% LTA). Although rainfall for this period was not as low in 1996, it did still contribute to the increasing cumulative rainfall deficit in the region, which was 388mm by the end of August 1996. The monthly areal rainfall as % long term average for 1995 and 1996 is illustrated in Figure 1.

River Flows

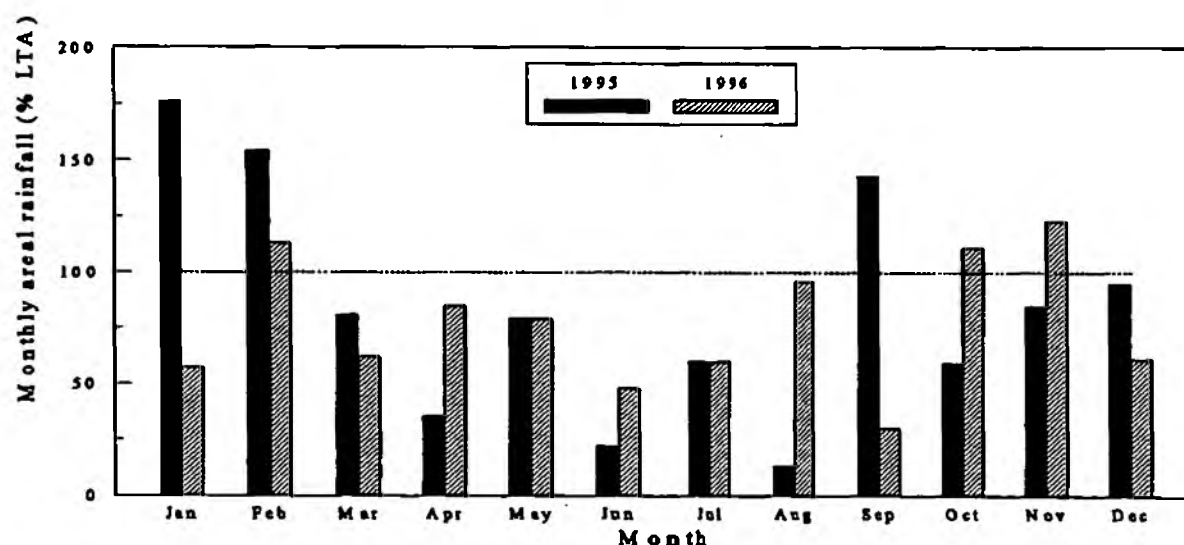
Dry weather flows (7 day minima) in 1995 were generally higher than those experienced in the droughts of 1975-76 and 1989-91. In the following year, however, river flows were lower, despite the higher rainfall, with some rivers having their lowest dry weather flows on record. There were also differences in the location of rivers experiencing the lower flows. In 1995 the most severe problems were found in upland reservoir catchments. Conversely, in 1996 it was the groundwater fed rivers which suffered most. These facts illustrate the lag time in the response of river flows to the prolonged 18 month low rainfall period.

Water Resource Systems

Following the wet winter of 1994/95 the storage in all reservoirs in the region was at a satisfactory state at the start of the 1995 drought. Despite the lack of rainfall during the following winter, hindering both natural and pumped refill of reservoirs, minimum storages in 1996 were not as low as the previous year in the majority of reservoirs. Only Carsington and Draycote had lower minimum storages in 1996. Recharge was less problematic in 1996 as reservoir levels had not dropped as far. Storages of all reservoirs except Draycote were greater on 1st April 1997 than at the same time the previous year.

Regulation of the River Severn was only required for 90 days in 1996 compared to 124 days in 1995. Although in both years regulation began in mid June, it was only required until the middle of October in 1996 rather than early November as in 1995.

FIGURE 1 MONTHLY AREAL RAINFALL AS % LTA (1961 - 1990)
Midlands Region - 1995 and 1996



Public Water Supply and Hosepipe Bans

The long spells of hot, dry weather in 1995 produced record demands for water. Severn Trent Water Ltd's weekly demand reached 2552 MI/d, and during the period mid-June to mid-August did not drop below 2200 MI/d. In 1996, however, demands were very different. Only twice did the weekly demand exceed 2200 MI/d, with the highest demand being 2327 MI/d. The high demands for water in 1995 were reduced after the implementation of a regionwide hosepipe ban in August, which was not lifted until January or April 1996, dependant on area. The hosepipe bans implemented in 1995 were not repeated in 1996 and in neither year were there any major interruptions to public water supply in the Midlands Region.

Drought Orders

No drought orders were necessary over the summer period of 1995. However, as the dry weather continued, four drought orders were approved in the Severn and Trent catchments to assist reservoir refill and safeguard supplies for 1996. These were to cover Vyrnwy, Tittesworth, Derwent and Carsington. The drought orders were lifted in April and June 1996 as reservoir storage approached normal values for the time of year. No drought orders were required in 1996.

Spray Irrigation

Many licence restrictions were brought into force earlier in 1996 than 1995. Total restrictions reached 400 at the end of July rather than the end of August. Restrictions in many cases were also enforced for a longer period in 1996. Although a number of the Trent catchment licences were lifted in August, many licence restrictions in the Severn catchment remained in force until October or November. There were in total more licences affected in 1996 than 1995 showing again the time lag effect of the 1995 drought.

LOW FLOW SURVEY TABLES

As with 1989, 1990, 1991 and 1995, 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 June, July and August.

The results of the 1996 surveys are given in Tables 1-9, with data included from previous survey years for comparison. The surveys are listed in downcatchment order for each subcatchment. Each survey was completed in one or two days and flows are comparable. All flow data are given in megalitres per day (MI/d).

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 river flows between different surveys. These flows are marked MDF after the station name. For some sites both processed and current meter derived flows are given. Differences in flows are to be expected and may be due to a variety of reasons including the method of flow measurement. A MDF is the mean for a 24 hour period starting 09.00GMT. A current meter gauging, alternatively, will measure the flow over a period of between fifteen minutes and two hours. Some of the differences, however, will be due to random and systematic errors in both gauging and in the flow calculation process, which 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.

TABLE 1
LOW FLOW SURVEYS
UPPER SEVERN CATCHMENT : FLOWS IN MLD

RIVER NAME	LOCATION	NGR	17/08/78	11/07/84	12/09/89	06/10/89	26/07/90	08/08/90	09/09/91	09/08/95	22/08/96	23/09/96	17/07/96
DULAS	RHOS-Y-PENTREF (MDF)	SN95008240			1.50	3.00	3.50	2.10	6.83	2.06	1.72	1.46	3.18
CLYWEDOG	BRYNTAIL (MDF)	SN91308680			304.00	128.00	466.00	526.00	500.89			445.82	371.54
SEVERN	DOLWEN	SN99608510	321.00			154.00				431.21			
TRANNON	TREFEGLWYS	SN98109050	0.20			1.10							
CARNO	CAERSWS	SO02609180	0.10			1.52		1.42		0.91	0.44		
SEVERN	CAERSWS	SO03009160	323.00			153.00							
CANAL FEEDER	PENARTH WEIR	SO13959256				21.89		16.89	13.25		33.90		
BECHAN BK.	ABERCHAN	SO14009385	0.3	0.86		0.84		0.91		0.88			
MULE	ABERMULE	SO16409460	2.90			3.89		4.01		5.11	4.98		
SEVERN	ABERMULE	SO16459570	333.00	429.41		165.00		488.88		476.38	529.55	473.07	
RHW	BERRIEW	SJ18800070	1.1	3.11		3.23		2.89		2.44	1.49		
CAMLAD	PONT-Y-GAER	SO213998	2.2	15.03						6.95			
SEVERN	LEIGHTON	SJ23500690	340.00			183.00							
BELE BK.	WERN BRIDGE D/S	SJ25301368											
BELE BK.	WERN BRIDGE U/S	SJ25321368											
NEW CUT	CANAL OUTFALL D/S	SJ25341406											
NEW CUT	NEATH BK. U/S CONFL	SJ27361563											
NEATH BK.	NEW CUT U/S CONFL	SJ27401569											
NEW CUT	OFFAS DYKE U/S	SJ28201570						4.66					
VYRNWY	U/S MEIFOD BRIDGE	SJ135120	32.80	82.51						108.82		53.18	
VYRNWY	VYRNWY WEIR (MDF)	SJ01901910			77.80	76.20	103.60	125.90	169.08	102.90		45.58	233.22
CAIN	LLANSANTFFRAID	SJ217199	1.40							4.98		4.38	
COWNWY DIVERSION	COWNWY WEIR (MDF)	SH99901790			1.80	3.40	3.70	2.80	4.15			2.60	3.15
TANAT	LLANYBLODWEL	SJ25202250	11.10	32.83			61.85	27.22		40.60	29.76	32.84	
TANAT	LLANYBLODWEL (MDF)	SJ25202250			31.40	36.90	36.50	22.40	29.38			32.35	51.57
TANAT FEEDER	CARREGHOFA HALL	SJ25302160						7.17	9.33				
VYRNWY	LLANYMYNECH	SJ25201950	51.20	94.18		185.00	239.73	170.30		259.68		113.24	
MAESBURY FEEDER	NEWBRIDGE	SJ30502490						5.25					
MORDA	LLWYNTIDMON	SJ29352050	13.80			16.87				4.16		16.22	
SEVERN (MINOR. TRIB)	COEDWAY	SJ34251475											
SEVERN	MONTFORD	SJ41201440	424.00	558.14				770.80				623.40	
TETCHILL BK.	HORDLEY	SJ38303050	0.90							4.25	5.08		
PERRY	YEATON (MDF)	SJ43401920			33.10	35.60	31.80	29.50	28.51	35.07	35.02	32.50	26.11
REA BK.(TRIB)	REABROOK FM.	SJ36250445					8.66						
REA BK.	HORSE BRIDGE	SJ37050590								4.93	4.37		
MINSTERLEY BK.	FLOXGREEN	SJ38800395											
CRUCKTON BK.	CRUCKTON	SJ43250979											
REA BROOK	HOOKAGATE (MDF)	SJ46600920			19.00	17.10	19.60	17.00	22.98	18.11	40.36	17.23	24.09
TERN	WILLOUGHBRIDGE	SJ74303955					1.99		4.73	5.04	7.59		4.77
TERN	TERNHILL (MDF)	SJ62903180			38.40	37.80	34.60	33.10	29.03	38.19	31.48	27.81	26.68
BAILEY BK	TERNHILL	SJ629318	5.10							9.38	11.11		9.92
HODNET BK	HODNET	SJ628288	0.50							0.60	2.73		
COAL BK.	CHIPNALL	SJ72603235					4.42		3.53	4.67	4.82		4.56
STOKE PARK BK.	OLLERTON	SJ64402600	0.20				2.75		2.42				
TERN	EATON ON TERN (MDF)	SJ64902300			72.00	70.20	53.60	48.80	58.15	50.00		49.95	34.66

RIVER NAME	LOCATION	NGR	17/08/78	11/07/84	12/03/89	05/10/89	28/07/90	08/02/90	09/09/91	09/08/95	22/08/96	23/09/96	17/07/99
HUMSFORD BK.	GUILD LANE	SJ78802030			0.78			0.48					
WOOD BK.	RADMORE LANE	SJ78862148			1.08								
WOOD BK.	GUILD LANE	SJ78082114			1.13								
WOOD BK.	NEW GUILD FARM	SJ77902080					0.83	0.35					
DAWFORD BK.	GREAT CHATWELL	SJ80001440			1.14								
LYNN BK.	LYNN	SJ78701570					2.71	1.53					
LYNN BK.	STOCKTON MOORS	SJ78801820			1.53								
MORETON BK.	LYNN BK. D/S CONFL	SJ78801820					4.86						
MORETON BK.	STOCKTON MOORS	SJ78501880			9.59		9.03						
BACK BK.	EUXLEY	SJ78101810			9.51								
COLEY BK.	COLEY MILL	SJ78101930			10.28					7.80	17.88		5.90
MEESE	A519 ROAD BRIDGE	SJ75002070					11.28						
MEESE	FORTON	SJ74902080			44.22		11.43						
LONCO BK. (TRIB)	HIGH OFFLEY	SJ77602840			0.91								
LONCO BK.	TUNSTALL	SJ76902675			1.73		2.06		1.54	1.78			
LONCO BK.	KNIGHTON	SJ74702665					3.59		3.86	4.16			2.72
LONCO BK.	WESTON JONES	SJ75502430											
LONCO BK. (TRIB)	WESTON JONES	SJ75602430											
LONCO BK.	WHITLEYFORD BRIDGE	SJ74652380	1.80		3.51		2.54	3.34	2.73	3.84			3.11
MEESE	PULESTON	SJ73402190					17.13						
LONCO BK.	FORTON	SJ74802190			0.16		1.75	3.70					
SAM BK.	SAMBROOK	SJ71652455			20.40		17.61			18.20			10.60
MEESE	TIBBERTON (MDF)	SJ68002050			41.80	51.10	32.30	29.50	36.37	24.58	28.75	30.83	25.62
PLATT BK	ELLERDINE	SJ620226	0.90							1.04	0.85		0.98
POTFORD BROOK	SANDYFORD BR. (MDF)	SJ63402200			3.90	3.60	4.10	3.80	4.15	3.40	3.09	2.54	3.49
TERN	CRUDGINGTON	SJ628179	68.20							130.01	142.02		73.28
STRINE BK.	NEWPORT	SJ74401940	1.10				2.92						
STRINE	NEWPORT	SJ74401930			3.44					2.72	2.30		2.51
STRINE BK.	BUTTERY FARM	SJ69001730			8.60								
STRINE	RODWAY BRIDGE	SJ66201810			11.76								
STRINE (TRIB.)	WAPPENSHALL MOOR	SJ66901540											
STRINE (TRIB)	DUKES DRIVE	SJ65301630			8.19								
STRINE	CRUDGINGTON	SJ64081747	0.80	28.34	22.14		9.72			10.86	12.83		11.56
STRINE	CRUDGINGTON (MDF)	SJ64081747			17.30	21.10	10.90	13.90	22.20			20.42	14.95
RODEN	ASTON BRIDGE	SJ530287	6.00							6.29	6.00		7.53
RODEN	SPENFORD BRIDGE	SJ47712969					1.41		3.95				
RODEN	ASTON HALL	SJ53002856	6.00				6.21		8.17				
SOULTON BK.	SOULTON BRIDGE	SJ54513024					6.85		6.05	3.97	2.58		3.89
RODEN	SHAWBURY	SJ58142127	20.50				19.70		19.48	17.11	18.21		25.62
RODEN	RODINGTON (MDF)	SJ58901410			33.40	35.40	23.70	21.60	30.67	23.00	21.23	28.83	22.09
TERN	WALCOT (MDF)	SJ59201230			238.00	257.00	138.00	135.00	184.16			202.85	132.82
COUND BK.	COUND	SJ55800560		16.59		9.26				14.08			
COUND BK.	VENUSBANK A458	SJ55800565											
HARLEY BK.	SHEINTON	SJ60800410				1.45				1.86	1.39		
SEVERN	BUILDWAS	SJ64400440		937.44		832.00		969.00					
SEVERN	BUILDWAS (MDF)	SJ64400440			973.00	826.00	987.00	990.00	1188.52			1208.77	1093.44
WORFE	LIZARD MILL FORD	SJ78620961					1.24	0.0	0.88	1.84			
WORFE	HOLE FARM	SJ77900540					0.51		0.76	1.42			

RIVER NAME	LOCATION	NGR	17/08/76	11/07/84	12/03/89	08/10/89	26/07/90	08/08/90	09/09/91	09/08/95	22/03/95	23/03/96	17/07/96
NEACH LEY BK.	HOLE FARM	SJ78300670					7.27		1.90	1.18			
ALBRIGHTON BK.	COSFORD	SJ78100458					0.35		0.39	0.93			
WORFE	COSFORD	SJ78500456	2.20				11.85			3.78			
WESLEY BK.	GRINDLEFORD	SJ75350327					2.44		2.58	2.68			
WORFE	RYTON	SJ75960265					3.14		3.62	3.86			
WORFE	BECKBURY	SJ75800160					3.91		4.26	2.95			
MAD BK.	BECKBURY	SJ75700150					1.27		3.07	1.76			
WORFE	STAPLEFORD	SO75909880							9.75	5.88	7.62		
WORFE (TRIB)	BADGER DINGLE	SO76409820							1.81	1.29			
WORFE	WORFIELD	SO76009540	4.50				8.27		12.36	7.14			
STRATFORD BK.	HILTON	SO77609540					3.98		6.98	3.80	3.70		
WORFE	BURCOTE (MDF)	SO74709530			24.50	32.10	17.50	13.60	22.38	21.43	18.82	20.09	25.78
MOR BK.	EARDINGTON	SO70659050	0.90							5.76	6.93		
BORLE BROOK	NEAR HIGHLY	SO738821	1.90	6.48						3.78	4.39		
BORLE BK.	BORLE MILL NETHERTON	SO73308265											
DOWLES BROOK	OAK COTTAGE (MDF)	SO76807840			4.00	2.40	1.55	1.30	1.81	1.81	1.82	2.41	2.48
SEVERN	BEWDLEY	SO78207820	527.00	762.91		738.00	916.00	880.00				872.88	
SEVERN	BEWDLEY (MDF)	SO78207820			882.00	739.00	838.00	858.00	937.44			855.61	791.54
STOUR (WORCS)	LYE	SO92208500						25.10					
STOUR (WORCS)	PRESTWOOD	SO86908630								32.63			
SMESTOW BK.	TRESCOTT FORD	SO85209720	0.30					8.45		7.23			
PENN BK.	WOMBOURNE	SO85809230	1.00					3.08		1.69			
SMESTOW BK.	SWINDON	SO86109060						14.90		16.57	17.88		
SMESTOW BK.	GOTHERSLEY FARM	SO86108640	5.40					23.18		17.43	23.49		
STOUR (WORCS)	STOURTON	SO86208480									70.48		
HAGLEY BK.	BLAKEDOWN U/S WRW	SO87257825						0.66		0.48			
STOUR (WORCS)	KIDDER/GILT EDGE	SO82847687	50.10	117.50							84.44		
STOUR (WORCS)	KIDDER/CALLOWES (MDF)	SO82907670			138.00	154.00	113.20	141.90	98.07			95.29	82.40
HOO BROOK	KIDDERMINSYER	SO833747	2.40							3.91	4.35		
BATTLEFIELD BK.	BROMSGROVE U/S WRW	SO96106940	0.30					0.63		1.63			
HEN BK.	HENBROOK	SO92906690	0.70					1.87					
SALWARPE	HENBROOK	SO92786685						12.36		17.73			
HADLEY BROOK	WARDS BRIDGE (MDF)	SO87006310			6.60	6.10			6.22	5.50	6.61	5.90	60.35
SALWARPE	HARFORD HILL	SO86808180	17.30	30.33				17.82			32.61		
BARBOURNE BK	WORCESTER	SO843568	1.50							2.44	3.33		
TEME	BEGUILDY	SO19108020		5.96			7.21			4.05			
TEME	KNIGHTON	SO28907240	0.50	20.30						17.78			
TEME	WALFORD	SO38507310		21.17			25.50			14.78			
CLUN	CLUN	SO30008080					9.91			7.08			
CLUN	CLUNGUNFORD	SO39307860	10.60	42.77			20.62			18.01			
TEME	CRIFTINFORD BRIDGE	SO42007210					82.81						
ONNY	CHEYNEY LONGVILLE	SO43208480	0.30	14.77			4.68			4.73			
BYNE BK(D/S QUINNEY)	STREETFORD	SO44408560		10.97			3.74			3.62			
ONNY	ONIBURY	SO45507890	14.20	52.53			14.78	12.32	23.81	13.90			25.29
TEME	LUDLOW U/S CORVE	SO50507520	1.00				85.80						
CORVE	CULMINGTON	SO49408210					0.03			2.98			
CORVE	LUDLOW	SO51007540	0.70	21.25			3.64			6.68			
LEDWYCHE BK. LUDLO	DOGDRITCH BK D/S	SO54007640					7.02			8.01			

RIVER NAME	LOCATION	NGR	17/08/76	11/07/84	12/03/89	06/10/89	26/07/90	08/08/90	09/03/91	09/08/98	22/08/98	23/03/99	17/07/99
LEDWYCHE BK.	TENBURY U/S OF TEME	SO57508820	4.10				8.30						
KYRE BK.	TENBURY	SO59708840		6.39			2.28			2.08			
TEME	TENBURY	SO59708850	0.30	217.73			101.54			101.79			169.82
TEME	TENBURY (MDF)	SO59708850			83.60	70.60	105.10	86.30	139.80			103.56	178.60
CORN BK.	CLEE HILL	SO60317555											
REA	HARDWICKFORGE	SO66208210	6.10				8.66			9.63			
REA	NEEN SOLLARS	SO68407240	7.50				15.63			17.55			
TEME	KNIGHTSFORD	SO73405570	65.40	187.49			128.56			26.85		114.92	
TEME	KNIGHTSFORD (MDF)	SO73405570			112.00	80.50	156.20	119.20	119.84			96.33	195.12
LEIGH BK.	LEIGH COURT	SO78205350	2.20				3.75			4.93			
LAUGHERNE BK.	A4103	SO82805390	0.90				2.10			2.22			

TABLE 2
LOW FLOW SURVEYS
AVON CATCHMENT : FLOWS IN MLD

RIVER NAME	LOCATION	NGR	10/09/75	17/08/76	10/03/84	07/08/89	24/08/89	06/08/90	17/09/90	03/09/91	09/08/95	22/03/95	23/07/96
AVON	NORTH KILWORTH	SP62008200					7.26	2.58		6.19	6.28	8.51	6.10
CLAYCOTTON BK.	LILBOURNE	SP56807740		0.0			1.30	0.55		0.51		0.60	1.98
AVON	LILBOURNE	SP56307780	3.72		4.18		3.11	1.67		1.92		3.93	7.22
AVON	BROWNSOVER U/S WKS.	SP52307860					8.00	4.34		6.29	4.96	4.42	8.76
AVON	BROWNSOVER D/S WKS.	SP51307640					1.18	4.34					
SWIFT	RUGBY	SP50507750					1.61	0.21		1.13	0.70	0.40	0.47
SWIFT	LUTTERWORTH	SP54508410		1.60			4.75	4.03			5.65		4.22
SWIFT	CHURCHOVER	SP50508140		2.50			6.59						
AVON	RUGBY	SP50207760	10.89				10.93	5.21		8.54	12.80		
AVON	LITTLE LAWFORD	SP46907710		8.80			24.68	17.38	15.00	20.44	26.46	22.40	30.88
AVON	RYTON BRIDGE	SP36807530		11.40			39.63	25.40	23.62	29.04	31.26	27.29	40.58
AVON	STARETON	SP33267156		14.10	74.30		34.90	28.19	26.33	40.40	31.02	30.68	52.50
AVON	STARETON (MDF)	SP33267156				38.80	40.10	24.36	28.48	34.39			45.64
WITHY BK.	HIGH BRIDGE	SP38608070	2.33	1.20			2.38	1.45	1.91	2.33	1.40	0.88	1.85
SMITES BK.	PRIESTS BRIDGE	SP42208040					2.82	1.37	1.87	1.90	1.56	1.12	1.80
SMITES BK.	SOWE BRIDGE	SP38007940	8.12	0.0			2.10	0.21	1.08		0.42	0.26	2.31
SOWE	A423 RD BRIDGE	SP35807630											
SOWE	A45 RD US SHERBOURNE	SP34607560					18.80	19.39	11.63	11.64	11.66	8.11	20.00
SOWE	CLIFFORD BRIDGE A46	SP37708070		5.00			15.00	7.91	5.91	8.07	4.22	4.85	8.68
SOWE	STONELEIGH (MDF)	SP33107300				126.00	119.00	121.13	118.37	120.61		127.08	167.81
SHERBOURNE	BAGINGTON	SP34307580					12.68	6.39	12.29	6.38			5.73
FINHAM BK.	KENILWORTH	SP30007290	3.28	1.20			3.66	2.63	2.68	2.95			2.00
AVON	WARWICK	SP29906530								187.37			134.71
LEAM	THURLASTON BRIDGE	SP46806860		0.0			3.11	1.46	2.14	3.93	2.45	2.33	7.33
LEAM	MARTON	SP40606910		3.50			7.92	5.73	4.88	9.52	5.20	5.94	4.30
ITCHEN	SOUTHAM	SP40206160		0.0			1.62	0.92	1.08	1.44			0.98
ITCHEN	BISHOPS ITCHINGTON	SP38605840		0.0			0.10	0.11	0.30	0.27			0.12
ITCHEN	SNOWFORD BRIDGE	SP39306640		0.90			5.40	3.03	4.14	7.20			3.93
LEAM	EATHORPE	SP38806880		11.50			19.90	36.52	26.76	24.49	26.69	20.48	19.77
LEAM	EATHORPE (MDF)	SP38806880				29.00	34.50	36.20	30.50	26.43			18.99
LEAM	LEAMINGTON (MDF)	SP30706540				18.90	13.20	23.53	32.14	22.20			43.04
TACH BK.	NR.CONFLAVON	SP29506350					3.75		3.07		3.30	2.71	
DENE	WALTON HALL	SP29105080	1.99	2.30			0.92	1.18			0.98	0.94	2.32
DENE	WELLESBOURNE	SP27305560	3.28	2.20			4.96	5.44	4.18	4.89	3.99		4.76
DENE	WELLESBOURNE (MDF)	SP27305560				3.90	3.40	4.64	3.48	3.83			4.11
STOUR	MITFORD BRIDGE	SP26203730	5.01	0.90			5.32	5.36	5.36				
KNEE BK.	DITCHFORD FRIARY	SP23803770					11.98	6.78					
KNEE BK.	HIGH FURZE	SP25403760									9.85		
STOUR	SHIPSTON	SP26104040	10.97		17.88		17.04	14.30	11.27	14.71	18.11	15.83	16.87
STOUR	CLIFFORD CHAMBERS	SP19805290	18.07	0.90	0.45		17.05	12.34	9.84	14.59	13.06	12.19	13.86
MARCHFONTE BK.	WESTON	SP16105156	3.97	0.20			0.71	0.31	0.73	0.60			0.45
ARROW	ALVECHURCH U/S WRW	SP03307180	2.51	1.60			3.53	3.75		4.00		3.73	2.67
ARROW	REDDITCH IPSLEY	SP06106640						11.27		12.84			9.77
ARROW	REDDITCH D/S IPSLEY	SP06506550					15.11						
ARROW	STUDLEY	SP07506370			11.49		16.38	14.64		17.71	14.48	43.03	14.90

RIVER NAME	LOCATION	NGR	10/09/75	17/08/76	10/08/84	07/08/89	24/08/89	06/08/90	17/09/90	03/09/91	03/08/96	22/08/96	23/07/96
ARROW	ALCESTER	SP09205780	29.72	28.30			35.78	38.83		30.55	35.86	48.73	47.04
ALNE	HENLEY IN ARDEN	SP15308530		1.80			5.28	3.89			3.13	3.34	2.95
WOOTTON BK.	PETTIFORD BRIDGE	SP18106390		2.80			8.72	7.25		7.35		6.82	8.00
ALNE	WOOTEN WAWEN	SP15508300		4.00			14.45	11.35		12.82	9.67	10.71	12.88
EDSTONE BK.	HERMITAGE BRIDGE	SP16908120		0.70			3.34	1.88		2.77	1.69	1.97	2.19
ALNE	GREAT ALNE U/S	SP13105950											
ALNE	GREAT ALNE	SP11805910		9.40				17.31		18.98	21.09	18.40	22.89
ALNE	HOO MILL	SP10605780					24.81						
ARROW	BROOM	SP08705330	55.21	27.60			54.06	57.88	56.86	68.01		59.33	65.92
CLAY BK.	BLACKMINSTER	SP07204420		0.0			0.89		0.83	0.88			
BADSEY BK.	OFFENHAM	SP06304490	4.58	0.40			7.34		3.55	5.08	5.94	4.47	5.58
BADSEY BK.	OFFENHAM (MDF)	SP06304490				4.50	5.10	3.54	4.41	4.41			4.88
ISBOURNE	WINCHCOMBE	SP02802880		2.00			5.27	4.34	3.82	5.16		5.98	
ISBOURNE	WORMINGTON	SP03703840					5.44	4.79	5.51	5.90		7.91	6.37
ISBOURNE	HINTON	SP02304080		0.10			7.95	6.01	5.57	7.92	5.14	7.02	7.58
ISBOURNE	HINTON (MDF)	SP02304080				6.00	6.00	4.32	4.15	7.00			4.58
AVON	HAMPTON PARKS	SP03304470		185.00			388.00	244.40	358.08		358.15	315.48	
PIDDLE BK.	WYRE PIDDLE	SO98204750		0.0			5.21	3.08	4.75	4.21			8.50
BOW BK. (TRIB. LB)	NORGROVE COURT	SP00808530											
BOW BK.	HAM GREEN	SP01408380				0.52	1.04			0.34			
HUNT END BK.	HUNT END	SP03406380		0.90		0.35				0.53			
HUNT END BK.	BUNKERS HOLE	SP02206270				0.52							
HUNT END BK.	BUNKERS HOLE	SP02008280					0.60						
BOW BK.	BUNKERS HOLE	SP01706280				1.30	1.64			0.79			
BOW BK.	FECKENHAM	SP00508150					1.30		2.60	1.11		1.38	2.00
BOW BK.	B4090	SP00508130				1.47							
BRANDON BK.	SHURNOCK COURT B4090	SO02808090				0.35				0.54			
BRANDON BK. (TRIB.	ASTWOOD COURT	SP02906210				0.52							
BRANDON BK. (TRIB.	B4090	SP02006110				0.60							
BRANDON BK.	BOW BK. U/S CONFL	SP00706020				0.88	0.60						
BOW BK.	PRIEST BDGE D/S WRW	SO99105990				3.28	3.80			5.27			5.84
BOW BK.	PRIEST BDGE	SO98905990		0.70					4.20	4.45		4.88	
BOW BK.	SHELL	SO95105970		0.50			7.02		7.99	6.71		4.77	6.18
BOW BK.	BESFORD	SO92704830		0.10			8.41	3.35	8.82			7.33	
BOW BK.	BESFORD (MDF)	SO92704830				8.10	8.70	3.50	4.50	4.41			5.20
AVON	BREDON	SO92103730	529.29	217.00							285.00		229.30
AVON	BREDON (MDF)	SO92103730				398.00	412.00	215.79	271.40	221.06			401.30
CARRANT BK.	MOTORWAY CULVERT	SP91803480											
CARRANT BK.	TEWKESBURY	SO89603300					2.68						2.72
SWILGATE	TEWKESBURY	SO88903320		0.30			5.62		6.50				

TABLE 3
LOW FLOW SURVEYS
LOWER SEVERN AND GLOUCESTER CATCHMENT : FLOWS IN MLD

RIVER NAME	LOCATION	NGR	31/07/76	17/08/76	22/08/84	06/03/84	08/08/89	12/03/89	03/08/90	14/03/90	17/03/91	03/08/95	22/08/95
CAREYS BK.(TRIB)	LEIGH SINTON	SO77905010				0.14	0.0						
CAREYS BK.(TRIB)	INTERFIELD	SO77804990					0.0						
CAREYS BK.	BASTONFORD	SO81205160				1.24	0.35						
CAREYS BK.	POWICK	SO83305070				3.28	0.78	3.51	0.62	0.83			1.17
SEVERN	SAXONS LODGE (MDF)	SO86303900					1150.00	1182.00	1135.21	1117.92	1446.06		
LONGDON BK.	LONGDON	SO83803680					3.97	5.05	2.83	2.78			4.10
SEVERN	MYTHE	SO88803370											
SEVERN	HAW BRIDGE	SO84402790	1474.85		1425.60		1556.00	1526.00	1297.24	1420.03		1114.18	1353.15
CHELT	SANDFORD	SO95402150					2.85	1.79	1.32	1.87			
CHELT	WITTHY BRIDGE	SO90402460		1.20	4.32		3.02	4.30	2.95	2.91			
CHELT	SLATE MILL	SO89202640		18.90				29.94	28.52	17.01		17.09	48.10
HATHERLEY BK.	LONGFORD	SO84102140					10.03	13.73	8.42	6.75		10.65	11.06
HORSEBERE BK.	LONGFORD	SO84002120		1.90			0.60	0.66	0.85	0.87		1.14	0.51
LEADON	LEDBURY	SO69803730	3.20	0.10			2.16	3.43	1.37	1.21			
GLYNCH BK.	CLENCHERS MILL	SO73203500					0.0	0.24					
GLYNCH BK.	PEPPER MILL	SO73703430						0.0					
GLYNCH BK.	MOTORWAY CULVERT M50	SO75603300					0.0	0.0					
GLYNCH BK.	STANBROOK FM.	SO77702800		0.30			0.88	1.41	1.06	1.31			
ELL BK.	CLEEVE MILL	SO73202620	3.72	2.20			2.16	3.66	3.83	3.69			
LEADON	WEDDERBURN	SO77602340	19.44	8.40			22.12	24.78	16.30	20.58			20.30
LEADON	WEDDERBURN BR. (MDF)	SO77702340					21.00	24.50	21.17	21.68	23.16		
SEVERN	GLOUCESTER OVER BDGE	SO81601960			264.30		464.00	498.00	573.74	333.77			161.65
SEVERN	GLOUCESTER WESTGATE	SO82501910			1124.06	1396.22	1172.00	1118.00	1178.82	953.59			1309.25
DIMORE BK.	QUEDGELEY	SO80001390						0.09					
FROME	CHALFORD	SO89200240					11.68	12.39	10.64	8.82	12.74	0.33	
FROME	EBLEY	SO82800440		30.20		55.56	73.46	61.88	54.83	48.87	66.45	66.92	
CINDERFORD BK.	CINDERFORD	SO65201080		0.60			1.12	1.43	1.24	0.99			1.00
PLUMMERS BK.	SOILWELL	SO64600550					0.16						
PLUMMERS BK.	SOILWELL	SO64600550					0.32						
PLUMMERS BK.	U/S A46	SO65700460					0.31						

TABLE 4
LOW FLOW SURVEYS
UPPER TRENT CATCHMENT : FLOWS IN MLD

RIVER NAME	LOCATION	NGR	15/09/75	26/07/76	06/09/78	28/07/89	14/08/90	20/08/90	11/03/91	03/08/95	15/08/96	25/06/96	15/07/96	10/09/96
TRENT	BROWN EDGE	SJ89685404				1.18					0.4		0.63	
TRENT	NORTON GREEN	SJ90115212	0.6	2.7		1.42					0.88		0.75	
SMALL THORN BK.	FOXLEY BRIDGE	SJ89875010				1.87					2.15		1.81	
TRENT	STOKE	SJ89244871		15.8	14.4	8.94					7.86		7.21	
TRENT	STOKE (MDF)	SJ89244871				10.1	9.8	7.9	8.24			11.34	9.40	10.56
FOWLEA BK.	TUNSTALL	SJ85255082		0.0		0.35					0.11		0.08	
FOWLEA BK.	ETRURIA	SJ86804702				13.14					1.85		0.88	
LYME BK.	HANFORD	SJ86254280		8.6	8.6	12.47					8.08		6.05	
TRENT	STRONGFORD A34	SJ87303923		68.1	52.3	64.99					47.47		34.97	
TRENT	DARLASTON	SJ88543544				118					117.86		104.55	
TRENT	DARLASTON (MDF)	SJ88543544				130	120	133	117.79			118.78	112.69	119.24
SCOTCH BK.	STONE	SJ90803457				8.75					6.84		5.93	
GAYTON BK.	WESTON	SJ97412760		3.3	2.8	5.6					4.2		4.16	
TRENT	GREAT HAYWOOD	SJ99352308	169.43	146.1	141.7	198					173		182.39	
SOW	WALKMILL (MDF)	SJ79302980				3.8	3.3	3.2	2.42			2.24	2.05	1.88
BROCKTON BK.	BROCKTON	SJ82203125	0.95	1.1	0.0			1.24			1.28			
SOW	ECCLESHALL	SJ83102955	8.99	5.5	6.7			12.6			6.44	9.95		
MEECE BK.	STANDON	SJ82483503	2.07	0.0	0.0			1.19			1.87	1.49		
CHATCULL BK.	STANDON	SJ80703460	1.38	1.3	0.3			1.22			1.32	1.81		
MEECE BK.	MILL MEECE	SJ83383320						5.83			4.38	4.48		
MEECE	NORTON BRIDGE	SJ86833065												
MEECE BK.	SHALLOWFORD	SJ87502908						8.4			8.93	61.73		
MEECE BK.	SHALLOWFORD (MDF)	SJ87502908				14.3	10.2	8.4	7.95			9.75	6.54	11.45
SOW	GREAT BRIDGEFORD	SJ88372693		13.7	15.3			25.01			18.02	26.50		
SOW	GT. BRIDGEFORD (MDF)	SJ88372693				30.8	21.5	21.6	21.25			28.75	22.83	29.74
GAMESLEY BK.	SEIGHFORD	SJ87752545	0.52	0.3	0.3			0.72			0.58	1.02		
DOXEY BK.	DOXEY BRIDGE	SJ89852375	2.68					3.12			2.06	3.54		
WROTTESLEY BK.	CODSALL	SJ87500415												
WROTTESLEY BK.	PENDEFORD	SJ89100350						10.24			7.45	7.93		
SARENDON BK.	DEEPMORE FARM	SJ92710822	19.53	10.1	1.8			6.08			23.3	14.56		
BREWOD BK.	BREWOD	SJ88750870		1	1			1.1			1.25	1.47		
PENK	SOMERFORD BRIDGE	SJ89530925		17.9	17.1			27.35			33.07			
DOLEY BK.	GNOSALL	SJ82792052						0.12			0.03			
CHURCH EATON BK.	MITTON	SJ88541528	4.58	2.7	2.2			3.9			3.53	4.07		
WHISTON BK.	MITTON MANOR	SJ88831474		0.7	0.8			3.2			1.76	2.48		
BOSCOMBE BK.	PENKRIDGE	SJ92301425		2.2	2.3			3.78			3.86	6.08		
PENK	PENKRIDGE	SJ92201445	49.51	25.4	22	45.19		39.18			53.9			
PENK	ACTON TRUSSEL	SJ93351734						48.87				55.91		
OLDACRE BK.	BROCTON (MDF)	SJ96102020				0.3	0.3	0.3	0.26			0.34	0.31	0.35
SOW	MILFORD	SJ97502155	128.74			144		153.09			121.93	152.08	98.01	
BOURN BK.	COLTON	SK04722029		1.5	1.4	3.19					2.31		2.26	
SLITTING MILL BK.	SLITTING MILL	SK03481734		1.5	1.4	2.85					4.13			
BLITHE	UPPER LEIGH	SK00653815		6.8		7.68					6.34		5.84	
BLITHE	NEWTON HURST	SK04852590	11.4	8.5		11.73							8.61	
TAD BK.	BAGOTS BROMLEY	SK06002585		0.5	0.0	1.62					1.22		0.53	

RIVER NAME	LOCATION	NGR	15/03/75	25/07/76	06/09/78	28/07/89	14/03/90	20/03/90	11/03/91	03/03/95	15/03/95	25/04/96	18/07/96	10/09/96
BLITHE	HAMSTALL RIDWARE	SK10901910		24.1	15.3	38.63					28.62		26.99	
TRENT	YOXALL	SK13231772	40.61	251.8	215	378		428.96			420.55		292.10	
BOURNE BK.	HANCH	SK10521378				4.84					5.24		4.38	
BOURNE BK.	WHITACRE	SP21709140					3.09		3.35	1.99	3.53			
SWARBOURNE	MEADOW LANE YOXALL	SK15201770				6.05							6.69	
PYFORD BK.	WOOD END	SK12971314				6.98					7.49		5.61	
TAME WILLENHALL A	WATERY LANE	SO95229920		4.7	9.8		0.61		0.23	0.18				
DARLASTON BK.	PORKETS BRIDGE	SO96659718					0.92		2.48					
TAME WILLENHALL A	JAMES BRIDGE	SO98889752					22.38		23.03	33.53				8.65
TAME WILLENHALL A	JAMES BRIDGE (MDF)	SO98889752				100	35.1	84.5	39.17					
TAME	M6 JUNCTN 9	SO99909640					14.9		28.56	23.42	30.73			11.21
FORD BK.	RUSHALL	SK02600110					7.96		6.26	6.49				5.45
FORD BK.	BROCKHURST	SP00509660					7.18		30.86	35.99				27.38
TAME OLDBURY ARM	IZONS LANE	SO98989035					2.51		4.15	3.38	4.47			2.45
TIPTON BK.	TOLL END U/S WRW	SO97569323					14.13		7.63	13.16	10.26			
TAME OLDBURY ARM	SHEEPWASH	SO97429220												
TAME OLDBURY ARM	PARK HILL	SP00109570					19.68		24.11	37.94	24.05			16.97
TAME OLDBURY ARM	PARK HILL (MDF)	SP00109570				32.6	22.2	25.7	29.31					
TAME	BESCOT	SP01209580					58.16		81.73	76.22	81.29			48.93
TAME	BESCOT (MDF)	SP01209580				161	81.8	75.1	76.17			88.26	78.04	51.89
TAME	SANDWELL	SP02919262												
TAME	PERRY PARK	SP06009200					92.69		110.19	140.95	134.79			82.64
TAME	PERRY PARK (MDF)	SP06009200				194	193	123	324.43					
REA	CALTHORPE PARK	SP07088469		17.4	17.4		36.28		15.28	28.2	19.13			14.90
REA	CALTHORPE PARK (MDF)	SP07088469				19.8	24.5	21.6	21.69			15.91	16.39	15.78
PLANTS BK.	PENNS LANE WALMLEY	SP12979312		4	6.5		5.16		4.89	4.36	5.62			16.02
TAME	WATER ORTON	SP16949141		256.9	173		258		189.15	128.44	181.8			
COLE	MAJORS GREEN	SP09887733		0.5			0.88		1.61	1.36	0.9			1.82
COLE	SPRINGFIELD	SP09958208		2.9	2		3.47		5.06	4.45	4.64			7.17
KINGHURST BK.	CHELMSLEY WOOD	SP18038735		3.9	4.7		5.19		7.87	6.96	7.99			7.44
COLE	BACONS END	SP18338747					8.24		25.08					19.44
COLE	BACONS END (MDF)	SP18338747				16.1	19.3	12.1	15.98			16.09	13.77	13.05
BLYTHE	CHESWICK GREEN	SP12707540							0.86	0.66	1			1.23
BLYTHE	BARSTON	SP20107750					5.09		5.24	4.84	3.49			6.00
CUTTLE BK.	TEMPLE BALSALL	SP20507620					1.18		2.43	1.94	2.15			2.86
TEMPLE BK.	TEMPLE BALSALL	SP20607620					1.02		0.95	0.98	0.99			1.01
BLYTHE	PATRICK BRIDGE	SP21508130					19.34		15.21	26.09	14.86			22.47
BLYTHE	CASTLE FARM	SP21258875					19.65		24.87	15.48	27			32.77
BLYTHE	WHITACRE	SP21209100					25.68		30.26	25.95	24.35			27.29
BLYTHE	WHITACRE (MDF)	SP21209100				30.5		27.5	21.91					
TAME TOTAL FLOW	LEA MARSTON	SP20749374		534.9	554		627		766.07		227.21			433.49
TAME TOTAL FLOW	LEA MARSTON (MDF)	SP20749374				607	601	594	631.33			663.49	640.79	628.08
LANGLEY BK.	MIDDLETON	SP17629810					3.11		8.17	4.03	4.16			4.81
CRANE BK.	CHESTERFIELD	SK1005057					6.35		10.39	1.68	3.63			8.78
FOTHERLEY BK.	LITTLE ASTON	SP09200180	1.81	1.8	2.7		2.25		2.84	3.08	2.61			2.63
FOTHERLEY BK.	SHENSTONE	SP10420460	9.07				10.13		15.78	7.27	8.31			15.75
BLACK BK.	SHENSTONE	SK11550490		4.7	3.5		14.21		25.47	7.24	11.59			24.66
BOURNE BK.	HINTS HALL BRIDGE	SK16080262					11.75		11.05		17.53			18.16

RIVER NAME	LOCATION	NGR	15/03/75	26/07/75	06/09/76	22/07/89	14/08/90	20/08/90	11/09/91	03/08/95	16/08/95	25/06/96	18/07/96	10/09/96
ANKER	BRAMCOTE BRIDGE	SP41416881		1.4	2		3.4		2.92	3.3	2.38			2.64
ANKER	A4254 NEW ROAD	SP38109160					10.7		12.48	5.21	5			11.21
ANKER	LEATHER MILL FM.	SP33909550					21.94		21.29	19.5	28.19			24.27
ANKER	ATHERSTONE A5	SP32529720					39.99		44.57	35.2	36.9			45.76
SENCE	KELHAM BRIDGE	SK40581203					5.2		2.03	2.21	2.57			3.28
SENCE	BILSTONE	SK38530515		6.2	7.3		5.8		4.54	7.37	6.04			5.41
SENCE	RATCLIFFE CULEY	SP32159960	23.85	11.4	14.8		9.23		10.75	14.58	9.18			10.17
PENMIRE BK.	GRENDON	SP27509968	1.99	0.7	0.9		1.05		1.23	2.24	1.4			1.24
ANKER	POLESWORTH	SK26290342		25.4	27.1		70.84		76.12	81.2	81.96			67.88
ANKER	POLESWORTH (MDF)	SK26290342				63.5	50.1	49.6	61.66			72.46	61.12	67.36
TAME	HOPWAS	SK18120520								740.08	725.51			649.78
PACKINGTON BK.	PACKINGTON	SK35931442	1.12	0.9	0.6	2.97					1.72			
MEASE	MEASHAM	SK32701157				7.76					8.61			7.31
HOOBOROUGH BK.	ACRESFORD	SK29911318		2.7	2.1	3.11					5.03			
MEASE	NETHERSEAL	SK28751276		7		14.14					14.74			
MEASE	STONES BRIDGE	SK26241144		7.8		15.29					19.79			12.91
MEASE	HARLASTON	SK21501117		7.1		14.74								
TRENT	DRAKELOW	SK23902040		850.6	798.6						1194.18			
TRENT	DRAKELOW (MDF)	SK23902040				1072	968	933	1165.8			1321.47	1174.96	1010.37
DARKLANDS BK.	STANTON W/S WRW	SK26711925												0.46
DARKLANDS BK.	DRAKELOW	SK24522012		7.5		9.49					6.36			
EGGINGTON BK	ETWALL	SK263317		1.4	1.3						3.25			

TABLE 5
LOW FLOW SURVEYS
DOVE AND CHURNET CATCHMENTS : FLOWS IN MLD

RIVER NAME	LOCATION	NGR	03/07/75	26/07/76	06/03/78	30/03/84	12/03/89	06/10/89	18/03/90	04/03/91	03/03/91	16/08/95	25/07/96	17/03/98
DOVE	HOLLINSCLOUGH	SK06306680		2.00	1.40		2.12	2.57	3.00		3.14	2.39	2.98	3.08
DOVE	HARTINGTON	SK12058005		6.60	1.90		7.92	6.56	4.77		6.38	7.24	6.77	5.43
DOVE	IZAAK WALTON	SK14715092		34.50	26.00	34.99	46.47	42.82				42.25	33.06	24.32
DOVE	IZAAK WALTON (MDF)	SK14715092					49.50	42.10	38.10	40.18	39.14		37.28	30.22
MANIFOLD	HULME END	SK10825958	5.62	1.40	0.30		7.15	7.15	7.68		9.26	7.16	8.55	9.91
HAMPS	WATERHOUSES	SK08445022	3.89	2.80	2.20		2.24	2.35	4.07		1.60	2.48	6.13	2.84
MANIFOLD	ILAM	SK13905075		37.70	31.10		45.39	39.02				39.33	41.61	31.70
MANIFOLD	ILAM (MDF)	SK13905075					37.80	33.70	38.40	38.62	37.41		36.40	31.17
BRADBOURNE BK.	CALLOW	SK17224688		3.50	1.50		11.72	8.09	4.73		6.32		4.49	
HENMORE BK.	CARSINGTON	SK23954995					1.93	2.28				2.52		3.03
HENMORE BK.	CARSINGTON (MDF)	SK23954995					1.20				0.52		2.82	2.64
HENMORE BK.	ASHBOURNE	SK17674832		2.80	2.50		5.80	6.02	3.94		3.68	6.45	6.57	5.21
DOVE	ROCESTER	SK11253970	92.38	81.10	74.90		125.00	121.00	125.54		98.18	141.26	115.43	89.23
CHURNET	TITTESWORTH	SJ99235810				3.02	7.79		17.45	15.26			17.39	13.65
CHURNET	BROADS BRIDGE	SJ97865716					19.34							
CHURNET	BRIDGE END	SJ97265718					12.23							
DINGLE BK.	COWHAY WOOD	SJ96195640					3.21							
CHURNET	LEEK A53 RD.BDGE	SJ97425529					15.65		26.01	15.28			20.02	17.05
CHURNET	LEEK U/S WRW	SJ97855455		13.20	10.30		16.20							
LEEK BK.	LEEK BROOK	SJ98605395					0.71			0.59				
CHURNET	JOSHUA WARDLE	SJ98055372					33.33			32.36				
CHURNET	BASFORD BRIDGE	SJ98305190		52.90	50.00	22.55	46.64		36.24	34.29			32.43	31.73
CHURNET	BASFORD BRIDGE (MD)	SJ98305190					47.90	45.60	44.60	29.38	31.19		28.09	30.88
ENDON BK.	WALLGRANGE	SJ96585355					10.07		7.59	2.89			6.24	3.45
CHURNET	FROGHALL	SK02684675			0.20		54.11			50.22			45.22	
CHURNET	CONSALL FORGE D/S	SK00084860					63.23			49.89				
CHURNET	OAKMOOR	SK05294440		0.10	0.10		67.16			57.07				
CHURNET	ALTON	SK07164255		61.10	47.90		84.34	62.06	69.66	60.69			62.93	52.89
CHURNET	ROCESTER	SK10754000		76.60	68.50	79.75	86.51	79.55	54.58	58.06		82.05	87.69	61.31
CHURNET	QUICKHILL	SK10104111					89.55			69.60				
TEAN	FOLE	SK04543713					16.37	14.35	4.86		9.51	31.31	30.10	22.20
TEAN	CHECKLEY	SK02813765		6.00	6.30		10.43	9.56	5.37		4.90	10.69	7.75	5.18
TEAN	UTTOXETER	SK09223484		15.70	17.40		40.18	27.55	24.07		16.81	32.92	17.86	10.28
MARCHINGTON BK.	MARCHINGTON	SK13583070		2.60	2.50		3.78	3.57	2.74		3.17	3.30	2.59	2.48
FOSTON BK.	FOSTON	SK18863190		1.40	1.60		5.03	3.60	2.84		3.00	2.71	2.28	2.28
DOVE	MARSTON	SK23612888		181.50	150.80		289.00	274.00	217.37		213.97	240.07	251.35	200.12
DOVE	MARSTON (MDF)	SK23612888					303.00	278.00	243.00	229.05	228.53		234.90	198.50
ROLLESTON BROOK	ROLLESTON (MDF)	SK13502880					8.60	7.60	11.00	11.15	10.37		10.98	10.13
BRAILS福德 BK.	ARDSLEY	SK22443805		5.40	5.40		9.95	5.10	8.21		7.27	6.89		5.93
SHIRLEY BK.	LONGFORD	SK21913785		5.80	6.60		11.42	6.80	8.80			10.23	7.48	6.26
HILTON BK.	HILTON	SK24203055					23.41	21.91	19.66		14.71	15.40	15.40	12.24
DOVE	EGGINTON	SK26862705		56.80	75.00		249.00	144.00	173.14		187.62	187.10	182.84	181.04

TABLE 6
LOW FLOW SURVEYS
DERWENT CATCHMENT : FLOWS IN MLD

RIVER NAME	LOCATION	NGR	18/03/75	21/06/78	10/07/84	27/09/89	17/10/89	15/08/90	18/09/91	08/07/98	15/02/98	18/07/98	18/03/98
DERWENT	YORKSHIRE BRIDGE	SK19808510		41.00	39.23	87.83	54.11		80.82	81.70	82.90	84.11	58.57
DERWENT	YORKSHIRE BR. (MDF)	SK19808510				70.40	57.70	78.40	83.89			59.68	59.47
NOE	EDALE U/S DIVERSION	SK14808575				8.85	20.44	11.98	12.39	11.75	9.88	13.92	9.10
NOE	HOPE D/S DIVERSION	SK16708470				22.95	17.82	23.54	18.20	18.71	18.28	20.41	
NOE	SHATTON U/S CONFL	SK20308260				30.18	25.75	34.25	27.37	30.23	27.93	32.05	38.49
NOE	STONEY MIDDLETON	SK23807530				2.09	1.80	2.08	2.11				
BAR BK.	BASLOW	SK25807215		4.70		4.60	3.00	3.58	4.87	6.16	4.61	12.44	
DERWENT	CHATSWORTH	SK25708580	182.22	118.50					149.48	127.81	105.55		117.44
DERWENT	CHATSWORTH (MDF)	SK25708580				131.00	128.00	142.00	135.22			122.61	112.29
DERWENT	ROWSLEY U/S WYE CONFL	SK25908570				123.82	104.54	138.00				484.42	
WYE	BUXTON U/S WRW	SK08507345					3.74	5.23		8.70	8.04	9.62	
WYE	BUXTON D/S WRW	SK08007250		6.50			15.80	15.91		26.87	18.82	23.72	
WYE	ASHWOOD DALE	SK08407250		5.20		13.90		17.60	16.94	25.68			
WYE	WORMHILL SPRING U/S	SK12307350					10.47	14.98					
WYE	WORMHILL SPRING D/S	SK12407350					24.17	30.72		40.31		47.14	
WYE	MAGPIE SOUGH U/S	SK17908970					43.70	49.45	45.91	62.74	52.18	59.88	
MAGPIE SOUGH	ASHFORD	SK18008960				29.87	30.38	23.12	30.28		37.49	31.96	
WYE	ASHFORD	SK18208960		118.20	85.97	79.05	75.50	77.90	77.68	103.03	81.84	88.40	65.98
LATHKILL	ALPORT	SK22108440		8.90		4.78	3.50	2.87	1.69	12.40	8.88	3.59	
BRADFORD	YOULGREAVE	SK20906400		0.70		2.10	1.14	1.30	0.19	7.10	2.32		
LATHKILL	PICKERING WOOD	SK23906840		8.50		2.64	1.11	0.0		14.03		1.35	
WYE	ROWSLEY	SK23906840		147.70		98.53	90.32	98.83	95.33	152.08	112.58	135.18	
HILLCARR SOUGH	ROWSLEY	SK25906390				29.87	25.48	15.77	25.58	35.19	30.81	26.53	
BENTLEY BK.	MATLOCK	SK30105980	3.11	3.80		7.01	5.28	4.88		8.07		4.44	
DERWENT	MATLOCK BATH	SK29605860	350.27	323.10		278.75	248.98	281.20	278.77	284.68		245.82	257.39
MEERBROOK SOUGH	WHATSTANDWELL	SK33105480				12.33	4.35	9.57		2.53		2.84	
AMBER	WOOLEY MOOR	SK38706100		2.80		3.78	3.53	2.00	3.58	5.58		2.81	
AMBER	HALLFIELD GATE	SK38605820		8.60		5.18	4.08	4.88	10.18	9.78		11.58	
ALFRETON BK.	ALFRETON	SK41505700		5.80		10.81	19.01	12.58	29.85	30.38		24.85	
ALFRETON BK.	TOADHOLE FURNACE	SK39005840		13.00		16.23	27.30	23.48	24.71	29.70		24.17	
AMBER	WINGFIELD PARK (MDF)	SK37505200				29.70	31.20	48.70	32.83			35.21	40.00
AMBER	WINGFIELD PARK	SK37505200		19.90		27.29	29.41	32.58	37.13	28.30		32.20	58.71
HARTSHAY BK.	WINGFIELD PARK	SK37505180				4.18	4.82	8.18	6.95			4.42	
AMBER	AMBERGATE	SK34705170		0.30		38.55	32.99	59.57	40.48	47.47		39.80	
DERWENT	WHATSTANDWELL	SK33105440			335.08						314.98	281.02	279.70
DERWENT	AMBERGATE	SK33805380		13.60		282.88	218.08	277.88	97.25	388.77		353.33	297.85
DERWENT	DUFFIELD	SK35104355				421.13		421.80	385.58	503.30		402.88	392.22
ECCLESBOURNE	IDRIDGEHAY	SK29004890		2.80		3.40	3.07	8.13	3.34			3.14	
ECCLESBOURNE	PUSS IN BOOTS	SK32004470	8.91			9.83	8.68		7.41			6.88	8.78
BOTTLE BK.	LITTLE EATON	SK38404150	5.01			7.34	9.11	12.20	5.08	8.80		6.28	
DERWENT	DARLEY ABBEY	SK35403820				328.75							
DERWENT	DERBY ST. MARYS	SK36103600			384.57	333.18	285.11	358.34	328.75	376.28		285.35	
DERWENT	DERBY ST. MARYS (MDF)	SK36103600				342.00	298.00	400.00	344.88			353.94	380.38
MACKWORTH BK.	KIRK IRETON	SK28903900				0.10							
MACKWORTH BK.	KIRK LANGLEY	SK28953895		0.0					0.16	0.11			
MARKEATON BK.	MARKEATON	SK33203820		8.30		8.64	17.12	7.57	7.04				
DERWENT	DRAYCOTT	SK44503350		428.50		427.20	358.84	398.67		404.49			
DERWENT	CHURCH WILNE (MDF)	SK43803160				387.00	320.00	535.00	398.30			320.65	372.04

TABLE 7
LOW FLOW SURVEYS
SOAR CATCHMENT : FLOWS IN MLD

RIVER NAME	LOCATION	NGR	16/09/76	28/07/78	11/10/84	03/08/89	12/03/89	02/03/90	16/03/91	23/06/96	25/06/99	16/03/96
SOAR	SHARNFORD	SP47809190				2.85	2.56	2.11	2.30	3.08	2.45	2.46
SOAR	STONEY BRIDGE	SP50409300	6.74			8.39	5.82	3.25	5.47	5.63	4.51	3.91
ASTLEY BK.	BROUGHTON ASTLEY	SK52509280		1.00		3.02	2.38	1.25	3.43	2.01	1.79	
THURLASTON BK.	HUNCOTE	SK51509740	10.45	3.60		10.54	8.88	5.02	8.10	10.15	6.69	9.61
SOAR	LITTLETHORPE	SP54109730			21.77	37.87	30.23	18.39	28.07	22.09	23.68	
SOAR	LITTLETHORPE (MDF)	SP54109730				38.80	32.50	23.52	30.16		16.76	14.56
WHETSTONE BK.	WHETSTONE	SK55609710	0.26	0.0		1.43	1.73	0.00	0.10	0.10	0.48	0.23
SENCE	LITTLE STRETTON	SK66300020	0.69	0.0		0.76	1.10	0.35	0.80	0.73	0.82	0.38
FLECKNEY BK.	KIBWORTH BRIDGE	SP65909490		0.90		0.69	1.08	1.09	1.58	1.28	1.14	0.77
SENCE	WISTOW	SP62809560		1.60		4.41	4.66	1.87	4.08	3.48	2.90	2.78
COUNTESTHORPE BK.	COUNTESTHORPE	SP59409580	1.38	0.60		1.73	1.80	0.66	1.21	1.49	1.26	1.10
SENCE	SOUTH WIGSTON	SP58859770			15.55	21.29	20.09	13.51	15.90	15.30	0.82	16.77
SENCE	SOUTH WIGSTON (MDF)	SP58859770				15.80	13.00	10.59	15.32		13.31	13.13
HUMBERSTONE BK.	HUMBERSTONE PARK	SK61900505		0.60		3.18	2.19	1.81	2.28	2.58		
KEYHAM BK.	BELGRAVE	SK60400730		0.0		0.54	0.66	0.00	0.19	0.13		
SOAR	THURMASTON	SK60201110				28.61	17.15	11.91	35.37	32.54	15.70	
WHISSENDINE BK.	STAPLEFORD PARK W/S	SK82501720				2.37	2.17	0.90	0.77	1.67	1.55	0.54
EYE (TRIB.)	SAXBY	SK82101940	3.97			3.39	3.11	2.64	2.17	3.72	2.38	1.75
EYE	BRENTINGBY	SK77401860				7.31	4.93	3.29	2.08	6.22	4.05	2.13
THORPE BK.	THORPE ARNOLD	SK76502015				1.60	1.43	1.00	1.11	1.69		
SCALFORD BK.	SPINNEY FARM	SK76102170		0.0		2.74	1.92	1.50	1.17	2.33	1.74	0.96
KETTLEBY BK.	ASFORDBY	SK71701920				1.20	1.04	0.19	1.05			0.01
WREAKE	FRISBY	SK68601780				20.40	0.00	0.00	0.00	18.14	15.22	12.29
WREAKE	BROOKSBY	SK66901640				21.70	16.00	14.58	18.10	21.24	15.76	11.58
QUENIBOROUGH BK.	NEW QUENIBOROUGH	SK64301320		0.0		0.00	0.78	0.11	0.92		0.08	0.00
WREAKE	GATE HANGS WELL	SK62301285				20.12	0.00	0.00	0.00			
WREAKE	LEWIN BRIDGE	SK62251288				0.00	15.65	0.00	0.00			
WREAKE	SYSTON	SK61501240		11.70		36.12	22.01	0.00	0.00			
ROTHLEY BK.	MERRYLEAS	SK47200580		2.30		4.97	7.99	2.83	2.26	3.24	3.51	13.17
ROTHLEY BK. (TRIB.)	DESFORD	SK47800420		0.40		0.00	0.72	0.33	0.91	1.07		
ROTHLEY BK. (TRIB.)	KIRBY MUXLOE	SK52000510		3.00		7.77	10.47	3.74	0.00	4.58		
ROTHLEY BK.	ANSTEY	SK56200990		6.30		13.82	21.04	8.50	36.26	8.12	6.43	18.43
ROTHLEY BK.	ROTHLEY	SK58101220	27.04	8.40		14.60	20.40	10.00	11.47	7.23	8.52	4.60
ROTHLEY BK.	ROTHLEY (MDF)	SK58101220				15.80	20.80	9.94	20.05		6.21	9.75
ROTHLEY BK.	A8 RD BRIDGE	SK59101340				16.45	21.96	10.46	0.00	8.78		
LIN BK.	NEWTOWN LINFORD	SK51501020				1.43	1.53	0.00	1.12	1.09	1.13	0.98
QUORN BK. (TRIB.)	QUORN	SK55401680				0.82	0.80	0.42	1.94	2.04	1.83	1.87
SOAR	PILLINGS LOCK (MDF)	SK56501820				239.00	211.00	214.47			270.77	200.42
WOOD BK.	LOUGHBOROUGH W/S WR	SK53102130		0.80		7.17	14.33	0.00	12.91	45.74	3.72	3.11
BLACKBROOK	ONE BARROW	SK46601700		0.50		0.76	0.79	0.67	0.54	2.69	0.95	0.58
GRACE DIEU BK.	BELTON	SK45902100		1.90		9.42	6.05	4.43	12.36	13.22	11.58	6.83
BLACKBROOK	SHEPSHED	SK46802080		4.30		10.80	7.82	6.29	14.68	9.72		
KINGSTON BK.	KINGSTON ON SOAR	SK50302770		4.00		1.81	1.45	2.58	1.81	0.88		0.79
SOAR	RATCLIFFE FORD	SK49602930	284.73	157.80		314.00	284.00	16.45	297.00		229.67	243.74

TABLE 8
LOW FLOW SURVEYS
LOWER TRENT CATCHMENT : FLOWS IN MLD

RIVER NAME	LOCATION	NGR	16/03/75	29/07/76	06/03/78	22/08/84	08/08/89	11/09/89	16/10/89	05/09/90	12/08/91	03/08/95	25/07/96
REPTON BK.	REPTON	SK30302730					4.92			5.48			
BREEDON BK.	BREEDON	SK41102320					0.0			0.18			
WILSON BK.	WILSON	SK40302440					0.0						
TRENT	SHARDLOW	SK44303030	1521.5				1265			1244.67			
EREWASH	KIRKBY U/S WRW	SK49005490		3.1	3.2			0.92	0.86	1.39	1.86	0.9	
EREWASH	PINXTON KIRKBY PK FM	SK46435470							12.1				
EREWASH	PINXTON U/S WRW	SK45605440		1.7	0.8		6.83	9.4		7.78	8.64	6.02	
EREWASH	PYE BRIDGE	SK44315280	10.37	7.4	7.7				14.16		18.55	7.51	
EREWASH	JACKSDALE	SK44355147							15.71				
EREWASH	PYE BRIDGE D/S ST/FD	SK44704980					24.8	17.88		12.54			
EREWASH	MILNHAY U/S WRW	SK45704860					3.97	4.22	5.64	1.2	3.49		
EREWASH	GILTBROOK U/S WRW	SK46304550					15.38	14.47	19.98	9.72			
GILTBROOK	NEWTORPE D/S WRW	SK47504440		9.1	8.9				13.78		18.93	10.71	
EREWASH	ILKESTON	SK47334245							25.18			24.07	
EREWASH	HALLAM FIELDS U/S	SK47704050					37.76	30.38		19.01			
EREWASH	TROWELL	SK47784050							22.38		19.54	51.7	
EREWASH	STANTON GATE	SK48403860							45.89		45.74	175.31	
EREWASH	SANDIACRE	SK48303650					44.08	45.72	37.77	48.35	52.22		
PASTURE LANE DYKE	SANDIACRE	SK48523505							7.15				
EREWASH	TOTON	SK50253422		9.6	12.4			59.43	39.33	54.32	49.27		
EREWASH	TOTON U/S WRW OUTFLO	SK50753360					54.9						
TOTON WRW	OUTFALL (TOTAL FLOW)	SK50903370					18.03	13.28	20.39	13.23			
FAIRHAM BK.	CLIFTON	SK56003820		0.9	2.3		6.71			4.69			
LEEN	PAPPLEWICK LIDO U/S	SK54805012	8.55			14.28	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	10.89	15.4	8.5		11.4	13.75		13.61			
TRENT	COLWICK	SK82003990	2328.13	1833	1232		1744			2309.45			
TRENT	COLWICK (MDF)	SK82003990					2118	2087	1951	1964	2070.14		2108.69
DOVER BECK	LOWDHAM	SK65274798		2.5	2.8		3.28			2.32			4.64
DOVER BECK	LOWDHAM (MDF)	SK65274798					3.2	3.8	3.5	4.23	4.2		2.97
DOVER BECK	CAYTHORPE	SK68804560								3.73			
GREET (TRIB)	KIRKLINGTON	SK68505740				0.17							
GREET (TRIB)	KIRKLINGTON	SK67705730								3.94			
GREET (TRIB)	KIRKLINGTON	SK67705880											
GREET (TRIB)	KIRKLINGTON	SK68405700						3.78					
HALAM DUMBLE	MAYTHORNE	SK68705570						1.63					
GREET	MAYTHORNE	SK69705550				6.05				5.88			
GREET	SOUTHWELL	SK71555395		5.8	4.2	12.1	7.43	8.14		7.18			
HALLOUGHTON DUMBL	ROLLESTON	SK73605240	19.27			3.02	2.59			0.64			
DEVON	WOOLSTHORPE	SK83603420					1.99	1.69		0.94			
DEVON	BOTTESFORD	SK80603900	2.85				1.73	1.51		0.71			
SMITE	WHATTON	SK72853865					3.28	4.92		3.1			

RIVER NAME	LOCATION	NGR	16/09/75	28/07/76	06/09/76	22/08/84	08/08/89	11/09/89	16/10/89	05/09/90	12/09/91	03/08/95	28/07/96
WHIPLING	WHATTON	SK75203850					1.04	1.33		0.26			
DEVON	WENSOR BRIDGE	SK78654575				14.77	11.23	12.1		6.78			
CARR DYKE	ELSTON	SK77404840		1	1.6		6.22	7.45		8.1			
TRENT	NORTH MUSKHAM	SK80408060	2591.74	1209	1451	2144.36	2211			2087			
TRENT	NORTH MUSKHAM (MDF)	SK80406060					2106	2049	2073	2022	2149.46		2326.30
NORWELL BECK	NORWELL	SK78108180		2.2	2.6		2.22						
GRASSTHORPE BECK	GRASSTHORPE	SK79706770		2.4	0.7		3.53			3.4			
LANEHAM BECK	LANEHAM	SK80207600		2.1	0.4		3.29			3.21			

TABLE 9
LOW FLOW SURVEYS
IDLE AND TORNE CATCHMENT : FLOWS IN MLD

RIVER NAME	LOCATION	NGR	27/10/75	06/09/76	24/07/84	08/08/89	22/08/89	14/09/89	07/08/90	04/09/91	15/08/96	11/07/98	25/07/98
MAUN	SUTTON FOREST SIDE	SK51005910			1.8		2.01	2.03	2.52	1.87		2.63	
MAUN	MANSFIELD WRW U/S	SK54806210			14.95		16.49	23.93	16.07	14.75		15.08	
MAUN	MANSFIELD WRW D/S	SK54706260			36.63		21.23	35.71	39.83	32.63			
MAUN	OLD CLIPSTONE	SK60206500	40.35	45.8	35.08		26.6	48.45	39.44			40.79	
VICAR WATER	OLD CLIPSTONE	SK80506480		0.3			0.2	0.17					
MAUN	BLACK HILLS FM.	SK63506880	31.19		31.45		27.53	54.02	22.67			34.21	
RAINWORTH WATER	OLLERTON	SK64906690					3.37	6.98	0.75				
MAUN	WHITewater	SK66207020	33.96	19.2			27.91	45.48	22.21	26.21		27.99	
MAUN	HAUGHTON	SK68307280			24.8		12.38	16.3	5.28	21.36		9.03	
BEVERCOTES DYKE	BEVERCOTES	SK69907280				0.0	1.95	3.61	2.59				
MAUN	WEST DRAYTON	SK71207420					12.32	15.07		21.44		5.08	
MEDEN	SKEGBY/TEVERSAL	SK49108170		5.8			0.23	2.99	0.2	0.31		0.29	
MEDEN	PLEASLEY	SK50508430	7.43	2.9	8.38		3.56	6.32					
MEDEN	PLEASLEY VALE	SK50906490			9.59		6.17	6.53	7.66	5.23		8.06	
MEDEN	SOOKHOLME	SK55006640	10.37	6.2	20.91		17.45	10.51	19.29	20.34		7.72	
MEDEN (TRIB)	SPION KOP	SK55606660					6.81	8.95	4.45	4.07		2.27	
MEDEN	WARSOP	SK55906800					26.27	20.93	30.87				
MEDEN	GLEADTHORPE	SK59707030	32.23	19.9	27.99		34.03	37.5	34.73	31.86		35.54	
MEDEN	PERLETHORPE	SK64907120			38.03		28.95	44.44	25.47	33.49		27.08	16.84
MEDEN	BOTHAMSALL	SK68107330		27.9	50.48		41.56	63.93	51.13	32.83		35.99	
MEDEN	WEST DRAYTON	SK70307510					23.98	69.17	53.38	23.6		35.48	
POULTER	UPPER LANGWITH	SK52206970			2.16		1.58	1.81	1.55	1.3		1.05	
POULTER	LANGWITH MILL	SK54607029			14.6		10.47	9.39	11.67	10.7		8.28	
POULTER	CUCKNEY	SK56007120		9.6			16.23	10.9	14.02	25.53	29.38	12.16	11.18
POULTER	GREAT LAKE U/S	SK57807230			18.08		15.61	20.31	14.34	17.49		13.52	
MILLWOOD BK.	SLOSWICKS FARM	SK55857535			7.95		6.81	8.85	7.99	8.23		5.55	
POULTER	CARBURTON	SK60707280	20.13		21.6		15.81	19.59	16.38		28.14	12.35	
POULTER	ELKESLEY	SK68507495		9.9	16.42		12.72	28.71	10.13	16.05	9.35	11.88	
POULTER	TWYFORD BRIDGE	SK69707510	18.92				12.78	31.88	13.56	15.73	11.46	9.34	
IDLE	GAMSTON BRIDGE	SK70807640					69.19	130	66.78	60.77	60.19		
IDLE	ORDSALL	SK70507960				73.27	69.6	122	70.49	56.43		81.72	
IDLE	CHAIN BRIDGE LANE	SK71308570				77.7	56.8	118	62.57			53.89	
IDLE	MATTERSEY	SK69008950					63.2	135	42.32			47.87	
IDLE	MATTERSEY (MDF)	SK69008950				73.7	79.2	147	49.77	65.1		31.96	19.86
IDLE	SCAFTWORTH	SK68309160					68.14		62.34			39.88	
RYTON	HARD BRIDGE	SK49508255					2.87	3.32	1.51	3.48		2.05	
RYTON	THORPE BRIDGE	SK51708230			0.95		2.24	2.09	1	1.3			
RYTON	ANSTON BRIDGE U/S	SK53608220					2.62	2.32		1.3			
RYTON	LINDRICK DALE	SK54008225			2.33				1.5		6.57	7.39	
ANSTON BK.	ANSTON STONES WOOD	SK53808280			8.39		6.54	5.48		6.18		5.85	
ANSTON BK.	LINDRICK DALE	SK54008240											
RYTON BK.	LINDRICK DALE	SK54008220			2.33		10.2	7.45				7.39	
RYTON	MONKS BRIDGE	SK54608220					3.06	7.39	1.67	1.61		1.85	0.79
RYTON	SHIREOAKS	SK55708060			3.54		4.24	4.84	3.92	3.51		4.16	
RYTON	LADY LEE	SK56307940			6.83		5.14	6.72	6.58	5.07			

RIVER NAME	LOCATION	NGR	27/10/75	06/09/76	24/07/84	08/08/89	22/08/89	14/09/89	07/08/90	04/09/91	15/08/95	11/07/96	25/07/96
RYTON	WORKSOP U/S WRW	SK60407885						2.02	4.15		11.55		
RYTON	WORKSOP D/S WRW	SK60207890					25.28						
RYTON	SCOFTON D/S MNTN.WRW	SK63108030					25.95		17.05	19.3			
RYTON	SCOFTON FORD	SK63108035						27.07			15.1	20.76	
MALTBY DYKE	MALTBY WRW (D/S)	SK54009020			1.9		18.03	13.21	11.19	11.47			
HOOTON BK.	ROCHE ABBEY	SK53808940			3.02		3.15	3.06	1.7	3.54		2.03	
OLDCOATES DYKE	FIRBECK	SK58408930			11.4		10.52	10.02	8.87	9.47	15.05		
LAMBLANE DYKE	FIRBECK	SK56508850			1.9		1.83	1.56	1.14	1.1			
OLDCOATES DYKE	OLDCOATES	SK59408840					9.19	10.01	8.54	12.59	14.97		
HODSOCK BK.	BLYTH	SK61008690			9.5		4.83	8.29	5.07				
OLDCOATES DYKE	BLYTH	SK61508755		8.8	25.23		16.4	22.2	15.67	18.59		19.60	
RYTON	BLYTH	SK63108720					37.14	48.83	37.33	36.62	43.16	34.21	
RYTON	BLYTH (MDF)	SK63108720				26.4	22.3	48.4	28.44	30.51		26.47	
RYTON	SERLBY PARK	SK63908970		19	70.83		34.21	51.89	29.45	32.85		34.31	
RYTON	SCROOBY	SK64859155			60.22		35.22	85.78	35.31			33.94	
IDLE	BAWTRY	SK65609320										78.86	
FLECKNEY BK.	KIBWORTH BRIDGE	SK65909490							1.09				
TORNE	STYRRUP	SK59309030			0.52	0.52			0.0				
PAPERMILL DYKE	CLAYCROFT BRIDGE	SK57009250			0.88	1.52			0.9				
PAPERMILL DYKE	TICKHILL	SK58809280		0.4	8.55	6.54			5.43				
TORNE	SPITAL HILL	SK60709320		5	10.97	12.67			10.7				
TORNE	SHEEPWASH BRIDGE	SK61109410			9.68	13.16			11.36				
COUNTSTHORPE BK.	COUNTSTHORPE	SK54909580							0.66				
WORMSWORTH BECK	SPRINGWELL LANE	SK56209940			4.41	3.2							
WORMSWORTH BECK	NEW INGS	SK58509820				9.94							
TORNE	ROSSINGTON BRIDGE	SK62959969	19.01	14.3	31.8	22.8			23.54				
MOTHER DRAIN	ROSSINGTON BRIDGE	SK62959970	5.88			7.08			0.0				
TORNE	AUCKLEY	SE64600120		17.5		31.4	25.7	31.4	25.34				
TORNE	TORNE BRIDGE A614	SK67800345				27.97			20.03				

1.3 HYDROMETRIC FACTS 1996 MIDLANDS REGION

TABLE 10

Number of River, Tidal & Reservoir Level Sites	247
Number of River Flow Gauging Stations	114
Number of Ultrasonic Gauging Stations	18
Number of Electromagnetic Gauging Stations	7
Number of Open Channel Gauging Stations	13
Number of Structure Based Gauging Stations	76
Percentage of successful automatic data retrieval from Gauging Stations Measuring Flows	97.8%
Number of Current Meter Gaugings in 1996 (including 600 contract gaugings)	3807
Number of Rainfall Intensity Gauges	83
Number of Rainfall Storage Gauges	339
Number of Groundwater Observation Sites	766
(including those monitored for the Shropshire Groundwater Scheme)	

2. CURRENT METER GAUGINGS

A current meter gauging is a direct measurement of flow taken over a short period of time, using a sensitive instrument to measure water velocity. In small streams or during periods of low flow, the gauging is usually undertaken by hydrometric staff standing in the watercourse, whereas for larger rivers or during periods of high flows they are carried out using a cableway, a boat, or suitable bridge. A typical cableway section is shown in Figure 2.

Gaugings are undertaken for many purposes, which include monitoring the accuracy of rating curves used for flood forecasting and flow processing, and to check the calibrations of ultrasonic and electromagnetic flowgauges. They are used to provide data for pollution control and quality monitoring, for both incidents and routine monitoring. Gaugings are also required to monitor river flows for licensing and abstraction control, and for water resources studies.

The data shown in Table 11 has been extracted from a database archiving system maintained by the Hydrometric Data Team which currently holds more than 69,000 historic gaugings. New gaugings are transferred to this database from processing systems at area offices.

2.1 Current Meter Gaugings In 1996

Over three thousand eight hundred gaugings were completed in 1996, at both permanent gauging stations and other sites.

Table 11 lists the 1269 gaugings carried out at permanent level measurement stations during 1996. The data should be used with care as the number of gaugings at a site does vary, and the lowest or highest flow that occurred may not be represented.

It should be noted that gaugings were carried out at a variety of other sites, and not just those listed in Table 11. Requests for data relating to these 'spot gaugings' should be directed to the Hydrometric Data Team.

If a gauging was a combination of more than one channel, or required flows to be measured in flood arches etc., then the gauging has been combined and is marked as total or sim. (simulated) flow.

The accuracy of current meter gauging data varies greatly according to site conditions. Percentage errors can be large at low flows and the data should be used with care. 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.

FIGURE 2 CURRENT METER CABLEWAY

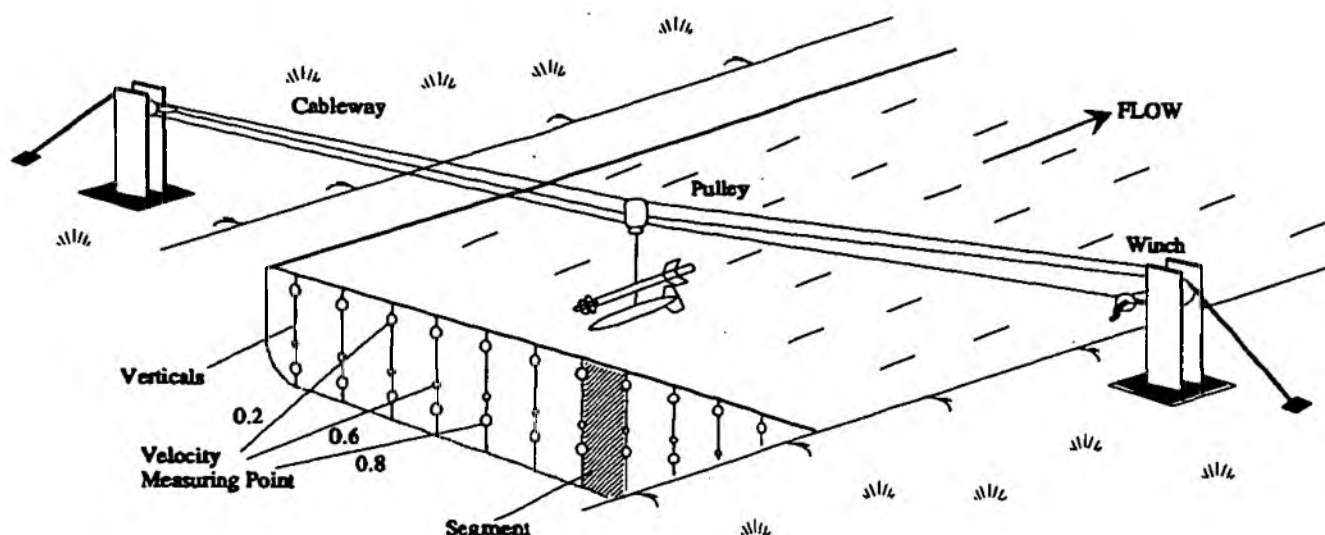


Table 11
Current Meter Gaugings for 1996

River name	Location	NGR	Site ref.	Date of Gauging	Mean Stage	Discharge cumecs	Discharge Mid	Area
AMBER	WINGFIELD PARK	SK37565200	4048	08/01/1996	0.636	4.658	419.77	LT
AMBER	WINGFIELD PARK	SK37565200	4048	16/02/1996	0.417	1.838	158.60	LT
AMBER	WINGFIELD PARK	SK37565200	4048	08/04/1996	0.282	0.652	58.32	LT
AMBER	WINGFIELD PARK	SK37565200	4048	03/08/1996	0.251	0.450	38.91	LT
AMBER	WINGFIELD PARK	SK37565200	4048	19/07/1996	0.227	0.373	32.20	LT
AMBER	WINGFIELD PARK	SK37565200	4048	19/09/1996	0.262	0.656	58.71	LT
AMBER	WINGFIELD PARK	SK37565200	4048	10/10/1996	0.243	0.450	38.91	LT
AMBER	WINGFIELD PARK	SK37565200	4048	15/11/1996	0.252	0.468	40.48	LT
ANKER	POLESWORTH	SK28280333	4026	17/01/1996	0.283	2.758	238.31	UT
ANKER	POLESWORTH	SK28280333	4026	27/03/1996	0.242	2.258	195.09	UT
ANKER	POLESWORTH	SK28280333	4026	22/05/1996	0.173	1.390	120.91	UT
ANKER	POLESWORTH	SK28280342	4026	31/07/1996	0.139	1.063	91.63	UT
ANKER	POLESWORTH	SK28280342	4026	12/09/1996	0.112	0.788	67.88	UT
ANKER	POLESWORTH	SK28280342	4026	18/12/1996	0.146	1.136	98.16	UT
ARROW	BROOM	SP08705330	2104	28/02/1996	0.472	7.973	688.91	LS
ARROW	BROOM	SP08845358	2104	07/03/1996	0.183	1.731	149.52	LS
ARROW	BROOM	SP08705330	2104	22/04/1996	0.172	1.497	129.31	LS
ARROW	BROOM	SP08705330	2104	04/07/1996	0.130	0.985	85.06	LS
ARROW	BROOM	SP08705330	2104	12/07/1996	0.120	0.794	68.60	LS
ARROW	BROOM	SP08705330	2104	25/07/1996	0.108	0.783	65.82	LS
ARROW	BROOM	SP08705330	2104	24/09/1996	0.109	0.707	61.11	LS
ARROW	BROOM	SP08705330	2104	08/12/1996	0.162	1.394	120.42	LS
ARROW	BROOM	SP08705330	2104	13/12/1996	0.142	1.109	95.84	LS
ARROW	BROOM	SP08705330	2104	30/12/1996	0.138	1.017	87.86	LS
ARROW	STUDLEY	SP07506370	2084	15/01/1996	0.582	0.221	19.07	LS
ARROW	STUDLEY	SP07506370	2084	22/04/1996	0.629	0.359	31.04	LS
ARROW	STUDLEY	SP07506370	2084	28/07/1996	0.580	0.172	14.90	LS
ARROW	STUDLEY	SP07506370	2084	08/08/1996	0.582	0.176	15.22	LS
ARROW	STUDLEY	SP07008400	2084	08/10/1996	0.582	0.202	17.43	LS
ARROW	STUDLEY	SP07506370	2084	15/11/1996	0.599	0.259	22.39	LS
ARROW	STUDLEY	SP07506370	2084	27/11/1996	0.625	0.380	32.84	LS
ARROW	STUDLEY	SP07506370	2084	02/12/1996	0.570	0.128	10.87	LS
ARROW	STUDLEY	SP07506370	2084	12/12/1996	0.598	0.223	19.24	LS
AVON	BREDON	SO82053725	2128	28/03/1996	0.601	13.775	1180.18	LS
AVON	BREDON	SO82053725	2128	13/05/1996	0.724	8.571	687.77	LS
AVON	BREDON	SO82053725	2128	17/05/1996	0.697	7.323	632.69	LS
AVON	BREDON	SO81703470	2128	22/05/1996	0.781	9.623	831.45	LS
AVON	BREDON	SO82053725	2128	23/07/1996	0.320	2.654	229.30	LS
AVON	BREDON	SO81703470	2128	07/08/1996	0.671	5.398	466.43	LS
AVON	EVESHAM (SIM FLOW)	SP03204480	2002	25/04/1996	0.583	12.630	1108.48	LS
AVON	EVESHAM (SIM FLOW)	SP03204480	2002	03/05/1996	0.551	9.110	787.08	LS
AVON	EVESHAM (SIM FLOW)	SP03204480	2002	12/08/1996	0.503	6.644	574.08	LS
AVON	EVESHAM (SIM FLOW)	SP03204480	2002	24/09/1996	0.429	3.118	286.43	LS
AVON	EVESHAM (SIM FLOW)	SP03204480	2002	01/10/1996	0.454	4.412	381.19	LS
AVON	EVESHAM (SIM FLOW)	SP03204480	2002	10/10/1996	0.454	4.606	397.98	LS
AVON	EVESHAM (SIM FLOW)	SP03204480	2002	28/10/1996	0.581	9.988	881.24	LS
AVON	EVESHAM (SIM FLOW)	SP03204480	2002	28/11/1996	0.588	10.452	903.04	LS
AVON	EVESHAM (SIM FLOW)	SP03204480	2002	11/12/1996	0.486	4.248	367.03	LS
AVON	EVESHAM (SIM FLOW)	SP03204480	2002	23/12/1996	0.525	8.458	730.75	LS
AVON	LILBOURNE	SP56307780	2088	04/04/1996	0.390	0.133	11.49	LS
AVON	LILBOURNE	SP56307780	2088	24/07/1996	0.390	0.084	7.22	LS
AVON	LILBOURNE	SP56357780	2088	08/12/1996	0.472	0.030	2.62	LS
AVON	LILBOURNE	SP56357780	2088	18/12/1996	0.449	0.117	10.11	LS
AVON	LILBOURNE	SP56357780	2088	23/12/1996	0.582	0.189	14.64	LS
AVON	LILBOURNE	SP56357780	2088	30/12/1996	0.480	0.110	9.49	LS
AVON	RUGBY	SP50207840	2080	04/04/1996	0.494	0.535	46.21	LS
AVON	RUGBY	SP50207840	2080	28/04/1996	0.552	0.332	28.69	LS
AVON	RUGBY	SP49707844	2080	08/10/1996	0.383	0.088	7.59	LS
AVON	RUGBY	SP50257885	2080	08/12/1996	0.438	0.114	0.87	LS
AVON	RUGBY	SP50257885	2080	18/12/1996	0.450	0.084	7.23	LS
AVON	RUGBY	SP50257885	2080	23/12/1996	0.500	0.447	38.68	LS
AVON	STARETON	SP33307180	2019	22/02/1996	0.336	2.901	250.60	LS
AVON	STARETON	SP33307180	2019	18/04/1996	0.180	1.042	90.00	LS
AVON	STARETON	SP33307180	2019	28/07/1996	0.120	0.608	52.50	LS
AVON	STARETON	SP33307180	2019	28/11/1996	0.185	1.153	99.85	LS
AVON	STARETON	SP33307180	2019	27/12/1996	0.152	0.637	72.30	LS
AVON	STRATFORD	SP20105400	2083	03/01/1996	0.602	7.034	607.75	LS
AVON	STRATFORD	SP20105400	2083	19/01/1996	0.599	7.542	651.63	LS
AVON	STRATFORD	SP20525488	2083	31/01/1996	0.554	3.889	338.02	LS
AVON	STRATFORD	SP20105400	2083	15/02/1996	0.681	19.479	1683.00	LS
AVON	STRATFORD	SP20105400	2083	28/02/1996	0.840	38.040	3113.65	LS
AVON	STRATFORD	SP20105400	2083	15/03/1996	0.598	8.798	587.19	LS
AVON	STRATFORD	SP20105400	2083	18/04/1996	0.546	4.786	413.49	LS
AVON	STRATFORD	SP20105400	2083	30/04/1996	0.545	4.526	390.51	LS
AVON	STRATFORD	SP20105400	2083	30/05/1996	0.535	3.080	284.39	LS
AVON	STRATFORD	SP20105400	2083	21/07/1996	0.488	2.408	208.02	LS

Table 11
Current Meter Gaugings for 1996

River name	Location	NGR	Site ref.	Date of Gauging	Mean Stage	Discharge cumecs	Discharge Mld	Area
AVON	STRATFORD	SP20105400	2083	07/08/1996	0.524	2.210	190.97	LS
AVON	STRATFORD	SP20105400	2083	18/08/1996	0.493	2.528	218.40	LS
AVON	STRATFORD	SP20105411	2083	18/08/1996	0.490	2.568	223.58	LS
AVON	WARWICK	SP29808530	2081	14/02/1996	1.484	21.031	1817.10	LS
AVON	WARWICK	SP29808530	2081	02/05/1996	1.065	4.440	383.58	LS
AVON	WARWICK	SP29808530	2081	25/07/1996	1.004	1.559	134.71	LS
AVON	WARWICK	SP29808535	2081	09/12/1996	0.985	1.738	149.99	LS
AVON	WARWICK	SP29808535	2081	18/12/1996	1.010	1.218	105.25	LS
AVON	WARWICK	SP29808535	2081	23/12/1996	1.030	3.638	314.28	LS
AVON (CENTRE ARCH)	STRATFORD	SP20055400	2083	18/10/1996	0.500	0.998	88.24	LS
AVON (LEFT ARCH)	STRATFORD	SP20055400	2083	18/10/1996	0.500	1.275	110.15	LS
AVON (RIGHT ARCH)	STRATFORD	SP20055400	2083	18/10/1996	0.500	0.088	7.58	LS
BADSEY BK.	OFFENHAM	SP08254482	2023	04/01/1996	0.284	0.637	55.05	LS
BADSEY BK.	OFFENHAM	SP08254482	2023	09/01/1996	0.531	3.220	278.23	LS
BADSEY BK.	OFFENHAM	SP08254482	2023	09/01/1996	0.519	3.114	289.01	LS
BADSEY BK.	OFFENHAM	SP08254482	2023	14/02/1996	0.390	1.800	138.28	LS
BADSEY BK.	OFFENHAM	SP08254482	2023	02/04/1996	0.222	0.325	28.05	LS
BADSEY BK.	OFFENHAM	SP08254489	2023	18/07/1996	0.112	0.071	8.14	LS
BADSEY BK.	OFFENHAM	SP08254489	2023	28/07/1996	0.104	0.085	5.58	LS
BADSEY BK.	OFFENHAM	SP08254489	2023	24/08/1996	0.125	0.087	5.81	LS
BAILEY BK.	TERNHILL	SJ62903180	2052	05/02/1996	0.181	0.174	15.01	US
BAILEY BK.	TERNHILL	SJ62903180	2052	11/04/1996	0.204	0.164	14.20	US
BAILEY BK.	TERNHILL	SJ62903180	2052	17/08/1996	0.154	0.128	11.10	US
BAILEY BK.	TERNHILL	SJ62903155	2052	17/07/1996	0.150	0.115	9.82	US
BAILEY BK.	TERNHILL	SJ62903180	2052	23/12/1996	0.303	0.317	27.43	US
BUTHE	HAMSTALL RIDWARE	SK10891913	4002	15/01/1996	0.134	0.518	44.56	UT
BUTHE	HAMSTALL RIDWARE	SK10891913	4002	05/02/1996	0.118	0.391	33.74	UT
BUTHE	HAMSTALL RIDWARE	SK10891913	4002	13/02/1996	0.204	0.973	84.09	UT
BUTHE	HAMSTALL RIDWARE	SK10891913	4002	25/03/1996	0.148	0.547	47.23	UT
BUTHE	HAMSTALL RIDWARE	SK10891913	4002	10/04/1996	0.122	0.394	34.08	UT
BUTHE	HAMSTALL RIDWARE	SK10891913	4002	13/05/1996	0.121	0.399	34.47	UT
BUTHE	HAMSTALL RIDWARE	SK10891913	4002	24/08/1996	0.102	0.318	27.60	UT
BUTHE	HAMSTALL RIDWARE	SK10891913	4002	04/07/1996	0.109	0.324	28.04	UT
BUTHE	HAMSTALL RIDWARE	SK10891913	4002	18/07/1996	0.112	0.312	26.89	UT
BUTHE	HAMSTALL RIDWARE	SK10891913	4002	23/08/1996	0.099	0.257	22.24	UT
BUTHE	HAMSTALL RIDWARE	SK10891913	4002	19/10/1996	0.101	0.304	26.27	UT
BUTHE	HAMSTALL RIDWARE	SK10891913	4002	25/10/1996	0.107	0.310	28.80	UT
BUTHE	HAMSTALL RIDWARE	SK10891913	4002	05/11/1996	0.105	0.279	24.11	UT
BUTHE	HAMSTALL RIDWARE	SK10891913	4002	20/12/1996	0.299	2.138	184.53	UT
BLYTHE	CASTLE FM.	SP21308880	4094	15/01/1996	0.724	2.285	195.88	UT
BLYTHE	CASTLE FM.	SP21308880	4094	05/02/1996	0.628	0.914	79.00	UT
BLYTHE	CASTLE FM.	SP21308880	4094	13/02/1996	1.470	11.118	980.47	UT
BLYTHE	CASTLE FM.	SP21258875	4094	18/03/1996	0.638	1.115	98.34	UT
BLYTHE	CASTLE FM.	SP21258875	4094	10/04/1996	0.603	0.678	56.40	UT
BLYTHE	CASTLE FM.	SP21258875	4094	13/05/1996	0.631	0.578	49.79	UT
BLYTHE	CASTLE FM.	SP21258875	4094	20/06/1996	0.641	0.465	40.21	UT
BLYTHE	CASTLE FM.	SP21258875	4094	24/07/1996	0.630	0.331	28.59	UT
BLYTHE	CASTLE FM.	SP21258875	4094	23/08/1996	0.694	0.698	60.32	UT
BLYTHE	CASTLE FM.	SP21258875	4094	10/09/1996	0.637	0.379	32.77	UT
BLYTHE	CASTLE FM.	SP21258875	4094	17/10/1996	0.601	0.377	32.58	UT
BLYTHE	CASTLE FM.	SP21258875	4094	03/11/1996	0.635	0.720	62.20	UT
BLYTHE	CASTLE FM.	SP21258875	4094	18/12/1996	0.625	0.453	39.17	UT
BLYTHE	CASTLE FM.	SP21258875	4094	18/12/1996	0.625	0.542	46.82	UT
BLYTHE	WHITACRE	SP21129100	4102	07/05/1996	0.000	0.289	24.97	UT
BLYTHE	WHITACRE	SP21129100	4102	20/05/1996	0.580	0.258	22.27	UT
BLYTHE	WHITACRE	SP21129100	4102	03/06/1996	0.520	0.324	27.97	LT
BLYTHE	WHITACRE	SP21109100	4102	10/08/1996	0.560	0.303	28.21	UT
BLYTHE	WHITACRE	SP21109100	4102	17/08/1996	0.605	0.341	29.44	UT
BLYTHE	WHITACRE	SP21109100	4102	24/08/1996	0.561	0.271	23.41	UT
BLYTHE	WHITACRE	SP21109100	4102	02/07/1996	0.842	0.361	31.18	UT
BLYTHE	WHITACRE	SP21109100	4102	08/07/1996	0.579	0.411	35.54	UT
BLYTHE	WHITACRE	SP21109100	4102	15/07/1996	0.567	0.316	27.31	UT
BLYTHE	WHITACRE	SP21109100	4102	22/07/1996		0.280	22.45	UT
BLYTHE	WHITACRE	SP21109100	4102	15/08/1996	0.350	0.320	27.87	UT
BLYTHE	WHITACRE	SP21109100	4102	19/08/1996	0.510	0.315	27.21	UT
BLYTHE	WHITACRE	SP21109100	4102	10/09/1996		0.318	27.29	UT
BLYTHE	WHITACRE	SP21109100	4102	11/11/1996	0.630	0.453	39.11	UT
BLYTHE	WHITACRE	SP21109100	4102	22/01/1996	0.395	0.187	18.14	UT
BOW BK.	BESFORD BDGE	SO62704630	2015	14/02/1996	0.871	2.545	219.89	LS
BOW BK.	BESFORD BDGE	SO62704630	2015	29/03/1996	0.315	0.772	66.73	LS
BOW BK.	BESFORD BDGE	SO62704630	2015	28/04/1996	0.294	0.707	61.08	LS
BOW BK.	BESFORD BDGE	SO62704630	2015	02/07/1996	0.182	0.156	13.45	LS
BOW BK.	BESFORD BDGE	SO62704630	2015	15/08/1996	0.170	0.155	13.43	LS
BOW BK.	BESFORD BDGE	SO62704630	2015	28/08/1996	0.138	0.101	8.71	LS
BOW BK.	BESFORD BDGE	SO62704630	2015	03/10/1996	0.153	0.108	9.31	LS
BOW BK.	BESFORD BDGE	SO62704630	2015	03/10/1996	0.153	0.115	9.98	LS

Table 11
Current Meter Gaugings for 1996

River name	Location	NGR	Site ref.	Date of Gauging	Mean Stage	Discharge cumecs	Discharge Mld	Area
BOW BK	BESFORD BDGE	SO92704630	2015	11/11/1996	0.164	0.141	12.17	LS
BOW BK	BESFORD BDGE	SO92704630	2015	11/12/1996	0.164	0.149	12.92	LS
BRUND BK	DEEP HAYES	SJ95945342	4827	11/03/1996	0.066	0.066	5.96	UT
BRUND BK	DEEP HAYES	SJ95945343	4827	11/03/1996	0.066	0.068	5.91	UT
BRUND BK	DEEP HAYES	SJ95945343	4827	28/03/1996	0.100	0.067	5.61	UT
BRUND BK	DEEP HAYES	SJ95945343	4827	21/05/1996	0.066	0.038	3.27	UT
BRUND BK	DEEP HAYES	SJ95945343	4827	03/07/1996	0.058	0.033	2.86	UT
BRUND BK	DEEP HAYES	SJ95945343	4827	04/11/1996	0.146	0.146	12.61	UT
BRUND BK	DEEP HAYES	SJ95945343	4827	11/11/1996	0.066	0.038	3.32	UT
BRUND BK	DEEP HAYES	SJ95945343	4827	16/11/1996	0.066	0.040	3.43	UT
BRUND BK	DEEP HAYES	SJ95945343	4827	13/12/1996	0.066	0.067	5.62	UT
CAM	CAMBRIDGE	SO75120343	2803	06/03/1996	0.223	0.370	32.00	LS
CAM	CAMBRIDGE	SO75100370	2803	12/06/1996	0.169	0.200	17.30	LS
CAM	CAMBRIDGE	SO75100370	2803	27/06/1996	0.165	0.162	15.66	LS
CAM	CAMBRIDGE	SO75100370	2803	27/06/1996	0.165	0.164	15.90	LS
CAM	CAMBRIDGE	SO75100370	2803	10/06/1996	0.187	0.181	15.66	LS
CAM	CAMBRIDGE	SO75000355	2803	01/10/1996	0.187	0.193	18.66	LS
CHURNET	BASFORD BDGE	SJ96305190	4061	02/01/1996	0.284	0.694	59.96	UT
CHURNET	BASFORD BDGE	SJ96305190	4061	26/02/1996	0.517	2.679	257.36	UT
CHURNET	BASFORD BDGE	SJ96305190	4061	26/03/1996	0.311	0.737	63.66	UT
CHURNET	BASFORD BDGE	SJ96285193	4061	13/05/1996	0.253	0.419	36.18	UT
CHURNET	BASFORD BDGE	SJ96285193	4061	04/07/1996	0.250	0.463	40.04	UT
CHURNET	BASFORD BDGE	SJ96285193	4061	25/07/1996	0.225	0.375	32.43	UT
CHURNET	BASFORD BDGE	SJ96305190	4061	29/08/1996	0.227	0.341	28.44	UT
CHURNET	BASFORD BDGE	SJ96305190	4061	18/09/1996	0.220	0.367	31.73	UT
CHURNET	BASFORD BDGE	SJ96305190	4061	20/11/1996	0.491	2.739	236.66	UT
CHURNET	BASFORD BDGE	SJ96305190	4061	25/11/1996	1.222	8.615	781.63	UT
CHURNET	BASFORD BDGE	SJ96305190	4061	25/11/1996	1.408	10.547	911.29	UT
CHURNET	ROCESTER	SK10283691	4020	10/05/1996	0.545	0.965	85.11	UT
CHURNET	ROCESTER	SK10283691	4020	03/06/1996	0.613	1.071	92.56	LT
CHURNET	ROCESTER	SK10283691	4020	10/06/1996	0.628	1.027	86.75	UT
CHURNET	ROCESTER	SK10283691	4020	17/06/1996	0.589	0.896	77.39	UT
CHURNET	ROCESTER	SK10283691	4020	24/06/1996	0.606	0.922	79.63	UT
CHURNET	ROCESTER	SK10283691	4020	01/07/1996	0.613	0.956	82.62	UT
CHURNET	ROCESTER	SK10283691	4020	08/07/1996	0.595	0.855	73.92	UT
CHURNET	ROCESTER	SK10283691	4020	15/07/1996	0.576	0.793	68.52	UT
CHURNET	ROCESTER	SK10283691	4020	25/07/1996	0.611	1.015	87.66	UT
CHURNET	ROCESTER	SK10283691	4020	29/07/1996	0.606	1.014	87.60	UT
CHURNET	ROCESTER	SK10283691	4020	05/08/1996	0.540	0.742	64.14	UT
CHURNET	ROCESTER	SK10283691	4020	19/08/1996	0.469	0.736	63.56	UT
CHURNET	ROCESTER	SK10283691	4020	27/08/1996	0.563	1.130	97.61	UT
CHURNET	ROCESTER	SK10283691	4020	02/09/1996	0.479	0.752	64.94	UT
CHURNET	ROCESTER	SK10283691	4020	10/09/1996	0.442	0.670	57.69	UT
CHURNET	ROCESTER	SK10283691	4020	18/09/1996	0.441	0.710	61.31	UT
CHURNET	ROCESTER	SK10283691	4020	07/10/1996	0.440	0.854	73.76	UT
CHURNET	ROCESTER	SK10283691	4020	14/10/1996	0.417	0.778	67.19	UT
CHURNET	ROCESTER	SK10283691	4020	20/10/1996	0.506	1.163	103.08	UT
CHURNET	ROCESTER JCB BDGE	SK10754000	4220	19/01/1996	0.306	1.678	144.94	UT
CHURNET	ROCESTER JCB BDGE	SK10754000	4220	20/05/1996	0.327	2.262	195.46	UT
CHURNET	TITTESWORTH	SJ99235810	4110	05/06/1996	0.000	0.205	17.60	LT
CHURNET	TITTESWORTH	SJ99235810	4110	03/07/1996	0.000	0.193	16.71	UT
CHURNET	TITTESWORTH	SJ99235810	4110	25/07/1996	0.000	0.201	17.39	UT
CHURNET	TITTESWORTH	SJ99235810	4110	08/08/1996	0.000	0.174	15.05	UT
CHURNET	TITTESWORTH	SJ99235810	4110	18/09/1996	0.000	0.156	13.65	UT
CHURNET	TITTESWORTH	SJ99235810	4110	04/11/1996	0.000	0.172	14.90	UT
CHURNET	TITTESWORTH	SJ99235810	4110	11/11/1996	0.000	0.180	13.85	UT
COLE	COLESHILL	SP18338747	4066	18/01/1996	0.218	0.662	74.43	UT
COLE	COLESHILL	SP18338747	4066	17/04/1996	0.196	0.489	40.51	UT
COLE	COLESHILL	SP18338747	4066	15/05/1996	0.146	0.277	23.96	UT
COLE	COLESHILL	SP18338747	4066	31/07/1996	0.131	0.252	21.76	UT
COLE	COLESHILL	SP18306750	4066	11/08/1996	0.123	0.225	19.44	UT
COLE	COLESHILL	SP18338747	4066	25/10/1996	0.150	0.301	26.02	UT
COLEY BK	COLEY MILL	SJ77901920	2199	04/06/1996	0.124	0.166	14.32	US
COLEY BK	COLEY MILL	SJ77901920	2199	17/07/1996	0.074	0.066	5.60	US
CORVE	LUDLOW	SO50907607	2169	08/07/1996	0.677	0.166	17.06	US
CORVE	LUDLOW	SO50907607	2169	11/09/1996	0.772	0.106	9.29	US
CORVE	LUDLOW	SO50907607	2169	04/10/1996	0.782	0.067	7.55	US
CORVE	LUDLOW	SO50907607	2169	16/10/1996	0.830	0.179	15.48	US
COUND BK	COUND STANK	SJ54700530	28014	05/01/1996	0.470	1.435	124.00	US
COUND BK	COUND STANK	SJ54700530	28014	05/01/1996	0.610	3.377	291.80	US
COUND BK	COUND STANK	SJ54700530	28014	05/02/1996	0.355	0.624	53.89	US
COUND BK	COUND STANK	SJ54700530	28014	11/03/1996	0.396	1.066	94.80	US
COUND BK	COUND STANK	SJ54700530	28014	09/04/1996	0.362	0.632	54.64	US
COUND BK	COUND STANK	SJ54700530	28014	18/06/1996	0.250	0.207	17.63	US
COUND BK	COUND STANK	SJ54850545	28014	02/07/1996	0.255	0.234	20.24	US
COUND BK	COUND STANK	SJ54820544	28014	30/09/1996	0.210	0.115	9.94	US

Table 11
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River name	Location	NGR	Site ref.	Date of Gauging	Mean Stage	Discharge cumecs	Discharge Mld	Area
COUND BK	COUND STANK	SJ54820544	28014	18/12/1996	0.345	0.827	54.18	US
DENE	WELLESBOURNE	SP27305560	2048	20/03/1996	0.199	0.517	44.69	LS
DENE	WELLESBOURNE	SP27305560	2048	21/03/1996	0.159	0.298	24.74	LS
DENE	WELLESBOURNE	SP27305560	2048	25/07/1996	0.080	0.065	4.70	LS
DENE	WELLESBOURNE	SP27305560	2048	27/08/1996	0.070	0.031	2.70	LS
DENE	WELLESBOURNE	SP27305560	2048	15/11/1996	0.078	0.039	3.34	LS
DENE	WELLESBOURNE	SP27305560	2048	08/12/1996	0.129	0.178	15.18	LS
DENE	WELLESBOURNE	SP27305560	2048	08/12/1996	0.128	0.162	14.00	LS
DERWENT	CHATSWORTH	SK28086839	4043	29/01/1996	1.033	2.027	175.15	LT
DERWENT	CHATSWORTH	SK28086839	4043	19/03/1996	1.088	3.090	268.98	LT
DERWENT	CHATSWORTH	SK28086839	4043	15/04/1996	1.052	2.400	207.33	LT
DERWENT	CHATSWORTH	SK28086839	4043	05/08/1996	1.019	1.872	161.75	LT
DERWENT	CHATSWORTH	SK28086839	4043	05/07/1996	1.010	1.882	143.83	LT
DERWENT	CHATSWORTH	SK28086839	4043	05/08/1996	0.984	1.298	111.94	LT
DERWENT	CHATSWORTH	SK28086839	4043	27/08/1996	0.985	1.489	128.89	LT
DERWENT	CHATSWORTH	SK28086839	4043	20/09/1996	0.983	1.359	117.44	LT
DERWENT	CHATSWORTH	SK28086839	4043	15/10/1996	0.982	1.385	119.85	LT
DERWENT	CHURCH WILNE	SK44303270	4087	23/01/1996	0.815	9.580	828.02	LT
DERWENT	CHURCH WILNE	SK44303270	4087	22/02/1996	0.824	19.830	1898.07	LT
DERWENT	CHURCH WILNE	SK44303270	4087	25/03/1996	0.878	12.384	1089.89	LT
DERWENT	CHURCH WILNE	SK44303270	4087	28/05/1996	0.502	5.929	512.27	LT
DERWENT	CHURCH WILNE	SK44303270	4087	19/08/1996	0.458	5.515	478.47	LT
DERWENT	CHURCH WILNE	SK44303270	4087	18/07/1996	0.428	4.798	414.38	LT
DERWENT	CHURCH WILNE	SK44303270	4087	08/08/1996	0.500	4.986	431.81	LT
DERWENT	CHURCH WILNE	SK44303270	4087	19/09/1996	0.485	4.734	409.03	LT
DERWENT	CHURCH WILNE	SK44303270	4087	17/10/1996	0.486	5.117	442.14	LT
DERWENT	CHURCH WILNE	SK44303270	4087	13/11/1996	0.861	10.770	930.54	LT
DERWENT	CHURCH WILNE	SK44303270	4087	20/12/1996	1.600	85.523	7389.15	LT
DERWENT	DERBY ST. MARYS	SK35703840	4085	22/05/1996	0.587	8.123	529.03	LT
DERWENT	DERBY ST. MARYS	SK35703840	4085	17/07/1996	0.572	3.071	285.35	LT
DERWENT	DERBY ST. MARYS	SK35703840	4085	20/11/1996	0.825	32.305	2791.13	LT
DERWENT	DERBY ST. MARYS	SK35703840	4085	03/12/1996	1.291	62.212	5375.12	LT
DERWENT	DERBY ST. MARYS	SK35703840	4085	03/12/1996	1.257	64.111	5539.18	LT
DERWENT	DERBY ST. MARYS	SK35703840	4085	10/12/1996	0.770	18.718	1703.88	LT
DERWENT	DERBY ST. MARYS	SK35703840	4085	18/12/1996	0.848	8.837	783.50	LT
DERWENT	DERBY ST. MARYS	SK35703840	4085	20/12/1996	1.520	89.994	7775.48	LT
DERWENT	DERBY ST. MARYS	SK35703840	4085	20/12/1996	1.505	88.928	7683.39	LT
DERWENT	DERBY ST. MARYS	SK35703840	4085	30/12/1996	0.700	14.683	1288.84	LT
DERWENT	MATLOCK	SK29885884	4011	08/01/1996	0.857	10.847	919.94	LT
DERWENT	MATLOCK	SK29885884	4011	07/02/1996	0.337	4.205	363.35	LT
DERWENT	MATLOCK	SK29885884	4011	15/03/1996	0.479	8.729	581.35	LT
DERWENT	MATLOCK	SK29885884	4011	07/05/1996	0.388	4.983	428.78	LT
DERWENT	MATLOCK	SK29885884	4011	03/08/1996	0.319	4.028	347.84	LT
DERWENT	MATLOCK	SK29885884	4011	18/07/1996	0.238	2.848	245.82	LT
DERWENT	MATLOCK	SK29885884	4011	14/08/1996	0.220	2.828	244.35	LT
DERWENT	MATLOCK	SK29885884	4011	19/08/1996	0.214	2.979	257.39	LT
DERWENT	MATLOCK	SK29885884	4011	07/11/1996	0.633	2.981	255.82	LT
DERWENT	MATLOCK	SK29885884	4011	07/11/1996	0.633	9.839	850.10	LT
DERWENT	MATLOCK	SK29885884	4011	05/12/1996	1.372	38.100	3291.87	LT
DERWENT	MYTHAM BDGE	SK21108210	4037	11/01/1996	0.895	2.381	205.74	LT
DERWENT	MYTHAM BDGE	SK21108210	4037	25/03/1996	0.838	1.877	144.90	LT
DERWENT	MYTHAM BDGE	SK21108210	4037	07/05/1996	0.822	1.438	124.05	LT
DERWENT	MYTHAM BDGE	SK21108210	4037	08/07/1996	0.789	1.154	99.71	LT
DERWENT	MYTHAM BDGE	SK21108210	4037	20/08/1996	0.787	0.997	88.11	LT
DERWENT	MYTHAM BDGE	SK21108210	4037	07/10/1996	0.779	1.058	91.47	LT
DERWENT	WHATSTANDWELL	SK33105480	4117	15/01/1996	0.645	10.827	944.13	LT
DERWENT	WHATSTANDWELL	SK33105480	4117	08/05/1996	0.500	4.443	383.88	LT
DERWENT	WHATSTANDWELL	SK33105480	4117	18/05/1996	0.488	5.121	442.45	LT
DERWENT	WHATSTANDWELL	SK33105480	4117	18/08/1996	0.448	4.140	357.85	LT
DERWENT	WHATSTANDWELL	SK33105480	4117	18/07/1996	0.418	3.253	281.02	LT
DERWENT	WHATSTANDWELL	SK33105480	4117	19/08/1996	0.397	3.237	279.70	LT
DERWENT	WHATSTANDWELL	SK33105480	4117	21/10/1996	0.556	7.398	638.87	LT
DERWENT	WHATSTANDWELL	SK33105480	4117	08/12/1996	1.078	38.607	3182.82	LT
DERWENT	WHATSTANDWELL	SK33105480	4117	20/12/1996	1.515	70.308	6074.48	LT
DERWENT (TOT FLOW)	YORKSHIRE BDGE	SK19808510	4001	15/02/1996	0.251	0.447	38.83	LT
DERWENT (TOT FLOW)	YORKSHIRE BDGE	SK19808510	4001	21/03/1996	0.250	0.452	39.04	LT
DERWENT (TOT FLOW)	YORKSHIRE BDGE	SK19808510	4001	17/07/1996	0.313	0.742	84.11	LT
DERWENT (TOT FLOW)	YORKSHIRE BDGE	SK19808510	4001	19/08/1996	0.311	0.855	58.57	LT
DOVE	IZAACK WALTON	SK14845118	4048	18/01/1996	0.354	1.373	118.85	UT
DOVE	IZAACK WALTON	SK14845118	4048	18/04/1996	0.320	0.934	80.73	UT
DOVE	IZAACK WALTON	SK14845118	4048	21/05/1996	0.281	0.753	65.09	UT
DOVE	IZAACK WALTON	SK14845118	4048	25/07/1996	0.217	0.383	33.08	UT
DOVE	IZAACK WALTON	SK14845118	4048	17/09/1996	0.200	0.282	24.32	UT
DOVE	IZAACK WALTON	SK14845118	4048	08/11/1996	0.347	1.179	101.84	UT
DOVE	MARSTON	SK23812888	4018	19/01/1996	0.581	8.305	717.55	UT
DOVE	MARSTON	SK23812888	4018	13/02/1996	1.100	42.689	3688.34	UT

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DOVE	MARSTON	SK23612888	4018	17/05/1996	0.451	3.687	318.55	UT
DOVE	MARSTON	SK23612888	4018	25/07/1996	0.382	2.909	251.35	UT
DOVE	MARSTON	SK23612888	4018	18/09/1996	0.359	2.316	200.12	UT
DOVE	MARSTON	SK23612888	4018	28/11/1996	1.387	67.936	5668.70	UT
DOVE	ROCESTER	SK11253970	4008	19/01/1996	0.299	5.119	442.31	UT
DOVE	ROCESTER	SK11253970	4008	15/04/1996	0.250	3.803	311.30	UT
DOVE	ROCESTER	SK11253953	4008	10/05/1996	0.232	2.239	193.42	UT
DOVE	ROCESTER	SK11253970	4008	25/07/1996	0.151	1.336	118.43	UT
DOVE	ROCESTER	SK11253970	4008	03/11/1996	0.274	4.428	382.61	UT
DOVE (TOT FLOW)	ROCESTER	SK11253953	4008	18/09/1996	0.140	1.033	89.23	UT
DOVER BECK	LOWDHAM	SK85274798	4080	17/01/1996	0.139	0.102	8.80	LT
DOVER BECK	LOWDHAM	SK85274798	4080	28/02/1996	0.153	0.138	11.89	LT
DOVER BECK	LOWDHAM	SK85274798	4080	27/03/1996	0.147	0.118	10.20	LT
DOVER BECK	LOWDHAM	SK85274798	4080	28/07/1996	0.099	0.054	4.64	LT
DOVER BECK	LOWDHAM	SK85274798	4080	08/11/1996	0.105	0.086	7.45	LT
DOVER BECK	LOWDHAM	SK85274798	4080	15/11/1996	0.117	0.077	6.64	LT
DOVER BECK	LOWDHAM	SK85274798	4080	19/11/1996	0.139	0.123	10.67	LT
DOVER BECK	LOWDHAM	SK85274798	4080	29/11/1996	0.120	0.088	7.57	LT
DOVER BECK	LOWDHAM	SK85274798	4080	19/12/1996	0.175	0.206	17.77	LT
DOVER BECK	LOWDHAM	SK85274798	4080	20/12/1996	0.350	0.798	68.95	LT
DOWLES BK	OAK COTTAGE	SO77007840	2034	08/03/1996	0.177	0.188	18.25	US
DOWLES BK	OAK COTTAGE	SO77007840	2034	18/05/1996	0.141	0.107	9.22	US
DOWLES BK	OAK COTTAGE	SO77107840	2034	18/07/1996	0.079	0.025	2.19	US
DOWLES BK	OAK COTTAGE	SO77107840	2034	27/08/1996	0.105	0.054	4.70	US
DOWLES BK	OAK COTTAGE	SO77107840	2034	17/12/1996	0.123	0.086	7.46	US
DULAS	RHOS Y PENTREF	SN95108250	2025	20/08/1996	0.070	0.028	2.21	US
DULAS	RHOS Y PENTREF	SN95108250	2025	28/08/1996	0.185	0.141	12.18	US
DULAS	RHOS-Y-PENTREF	SN95108250	2025	01/05/1996	0.480	0.959	82.84	US
ECCLESBOURNE	DUFFIELD	SK32104485	4055	15/01/1996	0.245	0.435	37.55	LT
ECCLESBOURNE	DUFFIELD	SK32104485	4055	12/02/1996	0.528	2.819	243.55	LT
ECCLESBOURNE	DUFFIELD	SK32104485	4055	19/02/1996	0.508	1.814	139.44	LT
ECCLESBOURNE	DUFFIELD	SK32104485	4055	18/04/1996	0.200	0.259	22.39	LT
ECCLESBOURNE	DUFFIELD	SK32104485	4055	18/07/1996	0.123	0.077	6.68	LT
ECCLESBOURNE	DUFFIELD	SK32104485	4055	19/08/1996	0.125	0.079	8.78	LT
ECCLESBOURNE	DUFFIELD	SK32104485	4055	22/11/1996	0.243	0.371	32.04	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	18/01/1996	0.178	0.509	43.99	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	23/02/1996	0.255	0.621	78.60	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	19/03/1996	0.197	0.833	54.87	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	02/04/1996	0.185	0.538	46.46	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	13/05/1996	0.148	0.380	31.14	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	13/06/1996	0.165	0.481	39.87	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	17/07/1996	0.146	0.353	30.46	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	13/08/1996	0.144	0.375	32.40	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	11/09/1996	0.140	0.357	30.85	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	24/09/1996	0.147	0.368	34.43	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	09/10/1996	0.161	0.452	39.04	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	08/11/1996	0.151	0.367	31.71	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	12/12/1996	0.140	0.424	36.87	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	18/01/1996	0.158	0.448	38.73	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	23/02/1996	0.232	0.884	74.82	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	19/03/1996	0.201	0.553	47.60	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	13/05/1996	0.137	0.347	29.97	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	13/06/1996	0.159	0.439	37.91	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	17/07/1996	0.135	0.365	31.55	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	13/08/1996	0.128	0.275	23.79	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	11/09/1996	0.128	0.283	24.46	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	24/09/1996	0.140	0.329	28.44	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	09/10/1996	0.151	0.389	33.58	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	08/11/1996	0.130	0.320	27.63	LT
EREWASH (JC)	SANDIACRE	SK48253845	4027	12/12/1996	0.149	0.392	33.88	LT
EREWASH (TOT FLOW)	SANDIACRE	SK48253845	4027	17/07/1996	0.140	0.728	82.90	LT
EREWASH (TOT FLOW)	SANDIACRE	SK48253845	4027	13/08/1996	0.135	0.630	54.46	LT
EREWASH (TOT FLOW)	SANDIACRE	SK48253845	4027	11/09/1996	0.134	0.640	55.31	LT
EREWASH (TOT FLOW)	SANDIACRE	SK48253845	4027	24/09/1996	0.144	0.728	82.87	LT
EREWASH (TOT FLOW)	SANDIACRE	SK48253845	4027	09/10/1996	0.156	0.840	72.62	LT
EREWASH (TOT FLOW)	SANDIACRE	SK48253845	4027	08/11/1996	0.141	0.687	59.34	LT
EREWASH (TOT FLOW)	SANDIACRE	SK48253845	4027	12/12/1996	0.145	0.617	70.55	LT
EREWASH (TOT FLOW)	SANDIACRE	SK48253845	4027	23/02/1996	0.244	1.795	155.11	LT
EREWASH (TOT FLOW)	SANDIACRE	SK48253845	4027	02/04/1996	0.193	1.091	94.25	LT
EREWASH (TOT FLOW)	SANDIACRE	SK48253845	4027	13/05/1996	0.143	0.707	61.11	LT
EREWASH (TOT FLOW)	SANDIACRE	SK48253845	4027	13/08/1996	0.162	0.900	77.79	LT
FROME	EBLEY MILL	SO63050482	2027	23/02/1996	0.379	3.107	268.46	LS
FROME	EBLEY MILL	SO63050482	2027	08/03/1996	0.370	2.674	248.33	LS
FROME	EBLEY MILL	SO63020482	2027	14/05/1996	0.275	1.915	165.43	LS
FROME	EBLEY MILL	SO63050482	2027	14/05/1996	0.274	1.787	154.38	LS
FROME	EBLEY MILL	SO63050482	2027	12/08/1996	0.246	1.784	152.36	LS

Table 11
Current Meter Gaugings for 1996

River name	Location	NGR	Site ref.	Date of Gauging	Mean Stage	Discharge cumecs	Discharge Mid	Area
FROME	EBLEY MILL	SO63050482	2027	10/08/1996	0.109	0.775	66.92	LS
FROME	EBLEY MILL	SO63050482	2027	10/08/1996	0.109	0.747	64.53	LS
FROME	EBLEY MILL	SO63050482	2027	01/10/1996	0.119	0.863	57.31	LS
FROME	EBLEY MILL	SO63050482	2027	07/11/1996	0.141	0.877	75.61	LS
FROME	EBLEY MILL	SO63050482	2027	07/11/1996	0.145	1.028	88.64	LS
FROME	EBLEY MILL	SO63050482	2027	17/12/1996	0.233	1.416	122.35	LS
FROME	EBLEY MILL	SO63050482	2027	17/12/1996	0.233	1.416	122.35	LS
GREET	SOUTHWELL	SK71555395	4072	27/03/1996	0.180	0.198	17.12	LT
GREET	SOUTHWELL	SK71555395	4072	03/05/1996	0.164	0.160	13.79	LT
GREET	SOUTHWELL	SK71555395	4072	14/05/1996	0.180	0.136	11.74	LT
GREET	SOUTHWELL	SK71555395	4072	20/05/1996	0.159	0.138	11.90	LT
GREET	SOUTHWELL	SK71555395	4072	03/08/1996	0.155	0.147	12.67	LT
GREET	SOUTHWELL	SK71555395	4072	10/08/1996	0.147	0.114	9.64	LT
GREET	SOUTHWELL	SK71555395	4072	17/08/1996	0.140	0.096	6.27	LT
GREET	SOUTHWELL	SK71555395	4072	17/08/1996	0.140	0.134	11.80	LT
GREET	SOUTHWELL	SK71555395	4072	24/08/1996	0.139	0.100	8.91	LT
GREET	SOUTHWELL	SK71555395	4072	02/07/1996	0.142	0.105	8.10	LT
GREET	SOUTHWELL	SK71555395	4072	08/07/1996	0.140	0.089	7.72	LT
GREET	SOUTHWELL	SK71555395	4072	15/07/1996	0.127	0.080	6.93	LT
GREET	SOUTHWELL	SK71555395	4072	22/07/1996	0.113	0.084	5.50	LT
GREET	SOUTHWELL	SK71555395	4072	29/07/1996	0.143	0.129	11.14	LT
GREET	SOUTHWELL	SK71555395	4072	12/08/1996	0.129	0.090	7.82	LT
GREET	SOUTHWELL	SK71555395	4072	19/08/1996	0.118	0.085	5.86	LT
GREET	SOUTHWELL	SK71555395	4072	02/09/1996	0.130	0.100	8.66	LT
GREET	SOUTHWELL	SK71555395	4072	09/09/1996	0.125	0.085	7.35	LT
GREET	SOUTHWELL	SK71555395	4072	07/10/1996	0.130	0.085	7.31	LT
GREET	SOUTHWELL	SK71555395	4072	21/10/1996	0.142	0.112	9.66	LT
HADLEY BK	WARDS BDGE	SO87006310	2193	29/02/1996	0.204	0.296	25.56	US
HADLEY BK	WARDS BDGE	SO87006310	2193	19/03/1996	0.191	0.258	22.15	US
HADLEY BK	WARDS BDGE	SO87006310	2193	03/04/1996	0.175	0.186	16.27	US
HADLEY BK	WARDS BDGE	SO87006310	2193	15/05/1996	0.159	0.153	13.23	US
HADLEY BK	WARDS BDGE	SO87006310	2193	06/08/1996	0.146	0.108	9.31	US
HADLEY BK	WARDS BDGE	SO87006310	2193	30/08/1996	0.130	0.096	8.30	US
HADLEY BK	WARDS BDGE	SO87006310	2193	13/09/1996	0.116	0.070	6.04	US
HADLEY BK	WARDS BDGE	SO87006310	2193	23/10/1996	0.123	0.081	6.98	US
HADLEY BK	WARDS BDGE	SO87006310	2193	07/11/1996	0.135	0.112	9.65	US
HADLEY BK	WARDS BDGE	SO87006310	2193	16/12/1996	0.133	0.112	9.67	US
HADLEY BK	WARDS BDGE	SO87006310	2193	31/12/1996	0.140	0.102	8.60	US
HENMORE BK	ASHBOURNE	SK17884630	4058	18/01/1996	0.202	0.281	24.28	UT
HENMORE BK	ASHBOURNE	SK17884630	4058	20/03/1996	0.198	0.217	18.74	UT
HENMORE BK	ASHBOURNE	SK17884630	4058	20/03/1996	0.196	0.231	19.66	UT
HENMORE BK	ASHBOURNE	SK17884630	4058	20/03/1996	0.196	0.243	20.65	UT
HENMORE BK	ASHBOURNE	SK17884630	4058	21/05/1996	0.145	0.104	9.00	UT
HENMORE BK	ASHBOURNE	SK17884630	4058	25/07/1996	0.128	0.076	6.57	UT
HENMORE BK	ASHBOURNE	SK17574630	4058	18/09/1996	0.123	0.080	5.21	UT
HENMORE BK	ASHBOURNE	SK17884630	4058	08/11/1996	0.162	0.147	12.72	UT
HENMORE BK	CARSINGTON	SK25005148	4103	02/04/1996	0.086	0.034	2.93	UT
HENMORE BK	CARSINGTON	SK25005148	4103	21/05/1996	0.068	0.036	3.11	UT
HENMORE BK	CARSINGTON	SK25005148	4103	23/07/1996	0.089	0.036	3.10	UT
HENMORE BK	CARSINGTON	SK25005148	4103	17/09/1996	0.067	0.035	3.03	UT
HENMORE BK	CARSINGTON	SK25005148	4103	13/12/1996	0.059	0.027	2.35	UT
HENMORE BK	CARSINGTON	SK25005148	4103	20/12/1996	0.105	0.087	5.79	UT
HILL BK	ACTON HILL	SJ94091870	4850	29/01/1996	0.036	0.010	0.64	UT
HILL BK	ACTON HILL	SJ94091870	4850	28/03/1996	0.041	0.009	0.73	UT
HILL BK	ACTON HILL	SJ94091870	4850	20/05/1996	0.032	0.007	0.56	UT
HILL BK	ACTON HILL	SJ94091870	4850	09/07/1996	0.020	0.003	0.25	UT
HILL BK	ACTON HILL	SJ94091870	4850	03/09/1996	0.016	0.002	0.16	UT
HILL BK	ACTON HILL	SJ94091870	4850	30/11/1996	0.035	0.008	0.72	UT
IDLE	MATTERSEY	SK69008950	4015	18/01/1996	0.783	2.013	173.95	LT
IDLE	MATTERSEY	SK69008950	4015	28/02/1996	1.000	3.302	285.30	LT
IDLE	MATTERSEY	SK69008950	4015	25/03/1996	0.785	2.095	181.00	LT
IDLE	MATTERSEY	SK69008950	4015	16/05/1996	0.609	1.423	122.68	LT
IDLE	MATTERSEY	SK69008950	4015	18/08/1996	0.577	0.625	54.01	LT
IDLE	MATTERSEY	SK69008950	4015	05/07/1996	0.771	0.728	62.92	LT
IDLE	MATTERSEY	SK69008950	4015	10/07/1996	0.722	0.554	47.87	LT
IDLE	MATTERSEY	SK69008950	4015	21/08/1996	0.428	0.627	54.18	LT
IDLE	MATTERSEY	SK69008950	4015	11/09/1996	0.445	0.661	74.38	LT
IDLE	MATTERSEY	SK69008950	4015	18/10/1996	0.498	1.080	91.81	LT
IDLE	MATTERSEY	SK69008950	4015	13/11/1996	0.715	1.724	148.98	LT
IDLE	MATTERSEY	SK69008950	4015	09/12/1996	0.648	1.586	135.34	LT
ISBOURNE	HINTON	SP02354063	2036	28/10/1996	0.059	0.090	7.78	LS
ISBOURNE	HINTON	SP02354063	2036	28/11/1996	0.094	0.209	18.08	LS
ISBOURNE	HINTON	SP02354063	2036	11/12/1996	0.072	0.135	11.65	LS
ISBOURNE	HINTON ON GREEN	SP02384072	2036	01/02/1996	0.195	0.729	62.66	LS
ISBOURNE	HINTON ON GREEN	SP02354063	2036	29/02/1996	0.195	0.694	59.66	LS
ISBOURNE	HINTON ON GREEN	SP02354063	2036	28/03/1996	0.228	0.994	85.92	LS

Table 11
Current Meter Gaugings for 1996

River name	Location	NGR	Site ref.	Date of Gauging	Mean Stage	Discharge cumecs	Discharge Mld	Area
ISBOURNE	HINTON ON GREEN	SP02354083	2036	25/04/1996	0.153	0.475	41.07	LS
ISBOURNE	HINTON ON GREEN	SP02354083	2036	03/05/1996	0.135	0.371	32.05	LS
ISBOURNE	HINTON ON GREEN	SP02304080	2036	28/07/1996	0.048	0.067	7.56	LS
ISBOURNE	HINTON ON GREEN	SP02304080	2036	12/08/1996	0.078	0.162	14.00	LS
ISBOURNE	HINTON ON GREEN	SP02354083	2036	11/08/1996	0.051	0.078	6.58	LS
ISBOURNE	HINTON ON GREEN	SP02354083	2036	24/08/1996	0.052	0.087	5.77	LS
ISBOURNE	HINTON ON GREEN	SP02354083	2036	01/10/1996	0.082	0.087	6.40	LS
LEADON	WEDDERBURN BDGE	SO77822344	2017	14/02/1996	0.871	3.850	332.67	LS
LEADON	WEDDERBURN BDGE	SO77822344	2017	23/02/1996	0.445	1.889	161.45	LS
LEADON	WEDDERBURN BDGE	SO77822344	2017	11/03/1996	0.408	1.485	129.13	LS
LEADON	WEDDERBURN BDGE	SO77822344	2017	27/03/1996	1.099	11.858	1024.54	LS
LEADON	WEDDERBURN BDGE	SO77822344	2017	27/03/1996	1.832	14.127	1220.56	LS
LEADON	WEDDERBURN BDGE	SO77822344	2017	14/08/1996	0.383	0.977	84.38	LS
LEADON	WEDDERBURN BDGE	SO77822344	2017	25/08/1996	0.207	0.383	31.34	LS
LEADON	WEDDERBURN BDGE	SO77822344	2017	28/08/1996	0.208	0.382	31.25	LS
LEADON	WEDDERBURN BDGE	SO77822344	2017	20/09/1996	0.167	0.289	23.27	LS
LEADON	WEDDERBURN BDGE	SO77822344	2017	13/10/1996	0.170	0.303	26.10	LS
LEADON	WEDDERBURN BDGE	SO77822344	2017	17/12/1996	0.209	0.383	31.38	LS
LEADON	WEDDERBURN BDGE	SO77822344	2017	17/12/1996	0.209	0.383	33.07	LS
LEAM	EATHORPE	SP38906890	2050	02/04/1996	0.230	0.173	14.93	LS
LEAM	EATHORPE	SP38906890	2050	18/07/1996	0.270	0.278	23.84	LS
LEAM	EATHORPE	SP38906890	2050	25/07/1996	0.238	0.229	19.77	LS
LEAM	EATHORPE	SP38906875	2050	08/10/1996	0.283	0.270	23.35	LS
LEAM	EATHORPE	SP38906890	2050	23/12/1996	0.155	0.112	9.70	LS
LEAM	EATHORPE	SP38906890	2050	23/12/1996	0.150	0.104	8.94	LS
LEAM	EATHORPE	SP38906890	2050	27/12/1996	0.280	0.283	24.48	LS
LEAM	EATHORPE	SP38906890	2050	27/12/1996	0.301	0.320	27.67	LS
LEAM	LEAMINGTON POW	SP30806540	2049	13/02/1996	0.590	14.248	1231.07	LS
LEEN (JC)	TRIUMPH RD.	SK54983928	4035	18/01/1996	0.143	0.278	23.83	LT
LEEN (JC)	TRIUMPH RD.	SK54983928	4035	23/02/1996	0.134	0.280	22.48	LT
LEEN (JC)	TRIUMPH RD.	SK54983928	4035	02/04/1996	0.117	0.200	17.30	LT
LEEN (JC)	TRIUMPH RD.	SK54983928	4035	13/05/1996	0.114	0.179	15.50	LT
LEEN (JC)	TRIUMPH RD.	SK54983928	4035	05/08/1996	0.080	0.108	9.18	LT
LEEN (JC)	TRIUMPH RD.	SK54983928	4035	05/08/1996	0.080	0.104	8.98	LT
LEEN (JC)	TRIUMPH RD.	SK54983928	4035	17/07/1996	0.058	0.055	4.74	LT
LEEN (JC)	TRIUMPH RD.	SK54983928	4035	13/08/1996	0.084	0.078	6.71	LT
LEEN (JC)	TRIUMPH RD.	SK54983928	4035	12/09/1996	0.084	0.088	5.72	LT
LEEN (JC)	TRIUMPH RD.	SK54983928	4035	08/10/1996	0.080	0.101	8.77	LT
LEEN (JC)	TRIUMPH RD.	SK54983928	4035	11/11/1996	0.080	0.087	7.52	LT
LEEN (JC)	TRIUMPH RD.	SK54983928	4035	12/12/1996	0.103	0.147	12.69	LT
LEEN (JC)	TRIUMPH RD.	SK54983928	4235	18/01/1996	0.143	0.289	24.94	LT
LEEN (JC)	TRIUMPH RD.	SK54983928	4235	23/02/1996	0.136	0.283	24.47	LT
LEEN (JC)	TRIUMPH RD.	SK54983928	4235	02/04/1996	0.108	0.180	16.37	LT
LEEN (JC)	TRIUMPH RD.	SK54983928	4235	13/05/1996	0.105	0.157	13.53	LT
LEEN (JC)	TRIUMPH RD.	SK54983928	4235	05/08/1996	0.085	0.123	10.65	LT
LEEN (JC)	TRIUMPH RD.	SK54983928	4235	05/08/1996	0.085	0.125	10.77	LT
LEEN (JC)	TRIUMPH RD.	SK54983928	4235	17/07/1996	0.058	0.058	4.97	LT
LEEN (JC)	TRIUMPH RD.	SK54983928	4235	13/08/1996	0.073	0.095	8.24	LT
LEEN (JC)	TRIUMPH RD.	SK54983928	4235	12/09/1996	0.084	0.073	6.27	LT
LEEN (JC)	TRIUMPH RD.	SK54983928	4235	08/10/1996	0.087	0.144	12.48	LT
LEEN (JC)	TRIUMPH RD.	SK54983928	4235	11/11/1996	0.082	0.135	11.60	LT
LEEN (JC)	TRIUMPH RD.	SK54983928	4235	12/12/1996	0.118	0.213	18.39	LT
LEEN (TOT FLOW)	TRIUMPH RD.	SK54983928	4435	23/02/1996	0.135	0.543	48.93	LT
LEEN (TOT FLOW)	TRIUMPH RD.	SK54983928	4435	02/04/1996	0.112	0.390	33.67	LT
LEEN (TOT FLOW)	TRIUMPH RD.	SK54983228	4435	05/05/1996	0.083	0.231	19.93	LT
LEEN (TOT FLOW)	TRIUMPH RD.	SK54983228	4435	05/05/1996	0.083	0.227	19.81	LT
LEEN (TOT FLOW)	TRIUMPH RD.	SK54983228	4435	13/05/1996	0.110	0.339	29.03	LT
LEEN (TOT FLOW)	TRIUMPH RD.	SK54983728	4435	17/07/1996	0.057	0.112	9.71	LT
LEEN (TOT FLOW)	TRIUMPH RD.	SK54983728	4435	13/08/1996	0.089	0.173	14.98	LT
LEEN (TOT FLOW)	TRIUMPH RD.	SK54983728	4435	12/09/1996	0.084	0.139	11.99	LT
LEEN (TOT FLOW)	TRIUMPH RD.	SK54983928	4435	08/10/1996	0.088	0.248	21.25	LT
LEEN (TOT FLOW)	TRIUMPH RD.	SK54983928	4435	11/11/1996	0.088	0.222	19.17	LT
LEEN (TOT FLOW)	TRIUMPH RD.	SK54983728	4435	12/12/1996	0.110	0.380	31.08	LT
LONCO BK	WHITLEYFORD BDGE	SJ74852385	2802	02/02/1996	0.110	0.072	6.22	US
LONCO BK	WHITLEYFORD BDGE	SJ74852385	2802	18/02/1996	0.158	0.163	14.08	US
LONCO BK	WHITLEYFORD BDGE	SJ74852385	2802	02/04/1996	0.131	0.088	7.58	US
LONCO BK	WHITLEYFORD BDGE	SJ74852385	2802	02/05/1996	0.128	0.079	6.78	US
LONCO BK	WHITLEYFORD BDGE	SJ74852385	2802	20/05/1996	0.148	0.114	9.84	US
LONCO BK	WHITLEYFORD BDGE	SJ74852385	2802	04/08/1996	0.099	0.054	4.67	US
LONCO BK	WHITLEYFORD BDGE	SJ74852385	2802	17/07/1996	0.087	0.038	3.11	US
LONCO BK	WHITLEYFORD BDGE	SJ74852385	2802	02/08/1996	0.090	0.038	3.25	US
LONCO BK	WHITLEYFORD BDGE	SJ74852385	2802	19/08/1996	0.078	0.027	2.32	US
LONCO BK	WHITLEYFORD BDGE	SJ74852385	2802	04/11/1996	0.111	0.091	5.30	US
LONCO BK	WHITLEYFORD BDGE	SJ74852385	2802	11/12/1996	0.128	0.099	8.52	US
LONCO BK	WHITLEYFORD BDGE	SJ74852385	2802	11/12/1996	0.128	0.099	8.52	US
MANFOLD	ILAM	SK13875071	4031	18/01/1996	0.215	2.647	228.73	UT

Table 11
Current Meter Gaugings for 1996

River name	Location	NGR	Site ref.	Date of Gauging	Mean Stage	Discharge cumecs	Discharge Mld	Area
MANIFOLD	ILAM	SK13535062	4031	12/02/1996	0.780	10.917	1720.88	UT
MANIFOLD	ILAM	SK13975071	4031	02/04/1996	0.182	1.584	135.10	UT
MANIFOLD	ILAM	SK13975071	4031	08/05/1996	0.120	1.035	88.40	UT
MANIFOLD	ILAM	SK13975071	4031	08/11/1996	0.244	2.947	254.61	UT
MAUN	MANSFIELD	SK55708350	4115	02/04/1996	0.283	0.407	35.21	LT
MAUN	MANSFIELD	SK55708350	4115	08/05/1996	0.289	0.351	30.33	LT
MAUN	MANSFIELD	SK55708350	4115	24/05/1996	0.300	0.618	53.38	LT
MAUN	MANSFIELD	SK55708350	4115	05/08/1996	0.252	0.424	38.68	LT
MAUN	MANSFIELD	SK55708350	4115	18/08/1996	0.245	0.423	38.57	LT
MAUN	MANSFIELD	SK55708350	4115	28/07/1996	0.228	0.405	34.98	LT
MAUN	MANSFIELD	SK55708350	4115	12/09/1996	0.240	0.445	38.47	LT
MAUN	MANSFIELD	SK55708350	4115	09/10/1996	0.253	0.489	42.29	LT
MAUN	MANSFIELD	SK55708350	4115	11/11/1996	0.251	0.428	36.84	LT
MAUN	MANSFIELD	SK55708350	4115	28/11/1996	0.288	0.574	49.68	LT
MAUN	MANSFIELD	SK55708350	4118	08/12/1996	0.308	0.787	68.24	LT
MAUN	MANSFIELD	SK55708350	4118	27/12/1996	0.304	0.681	57.11	LT
MAUN	WHITEWATER BDGE	SK88307040	4118	05/01/1996	0.298	0.734	63.39	LT
MAUN	WHITEWATER BDGE	SK88307040	4118	20/03/1996	0.285	0.652	58.32	LT
MAUN	WHITEWATER BDGE	SK88307040	4118	10/04/1996	0.310	0.700	60.44	LT
MAUN	WHITEWATER BDGE	SK88307040	4118	23/04/1996	0.398	1.514	130.79	LT
MAUN	WHITEWATER BDGE	SK88307040	4118	23/04/1996	0.373	1.287	111.23	LT
MAUN	WHITEWATER BDGE	SK88307040	4118	11/07/1996	0.225	0.324	27.89	LT
MAUN	WHITEWATER BDGE	SK88307040	4118	01/08/1996	0.221	0.380	31.11	LT
MAUN	WHITEWATER BDGE	SK88307040	4118	18/10/1996	0.257	0.538	48.50	LT
MAUN	WHITEWATER BDGE	SK88307040	4118	07/11/1996	0.288	0.842	55.51	LT
MAUN	WHITEWATER BDGE	SK88307040	4118	21/11/1996	0.330	0.932	60.51	LT
MEASE	STONES BDGE	SK28241144	4868	17/01/1996	0.480	0.624	53.65	UT
MEASE	STONES BDGE	SK28241144	4868	27/03/1996	0.484	0.584	48.70	UT
MEASE	STONES BDGE	SK28241144	4868	07/05/1996	0.487	0.278	23.98	UT
MEASE	STONES BDGE	SK28241144	4868	20/05/1996	0.489	0.240	20.78	UT
MEASE	STONES BDGE	SK28241144	4868	03/08/1996	0.472	0.202	17.45	LT
MEASE	STONES BDGE	SK28241144	4868	10/08/1996	0.472	0.218	18.87	UT
MEASE	STONES BDGE	SK28241144	4868	17/08/1996	0.480	0.142	12.30	UT
MEASE	STONES BDGE	SK28241144	4868	24/08/1996	0.484	0.135	11.70	UT
MEASE	STONES BDGE	SK28241144	4868	01/07/1996	0.487	0.182	14.02	UT
MEASE	STONES BDGE	SK28241144	4868	08/07/1996	0.447	0.113	9.80	UT
MEASE	STONES BDGE	SK28241144	4868	15/07/1996	0.431	0.057	4.80	UT
MEASE	STONES BDGE	SK28241144	4868	23/07/1996	0.405	0.102	8.78	UT
MEASE	STONES BDGE	SK28241144	4868	29/07/1996	0.428	0.219	18.93	UT
MEASE	STONES BDGE	SK28241144	4868	05/08/1996	0.405	0.141	12.23	UT
MEASE	STONES BDGE	SK28241144	4868	12/08/1996	0.410	0.184	14.15	UT
MEASE	STONES BDGE	SK28241144	4868	19/08/1996	0.378	0.071	8.17	UT
MEASE	STONES BDGE	SK28241144	4868	27/08/1996	0.454	0.354	30.82	UT
MEASE	STONES BDGE	SK28241144	4868	02/09/1996	0.382	0.117	10.13	UT
MEASE	STONES BDGE	SK28241144	4868	10/09/1996	0.402	0.149	12.91	UT
MEASE	STONES BDGE	SK28241144	4868	18/09/1996	0.382	0.128	11.08	UT
MEASE	STONES BDGE	SK28241144	4868	01/10/1996	0.400	0.142	12.28	UT
MEASE	STONES BDGE	SK28241144	4868	07/10/1996	0.390	0.134	11.57	UT
MEASE	STONES BDGE	SK28241144	4868	20/10/1996	0.407	0.188	14.31	UT
MEASE	STONES BDGE	SK28241144	4868	27/10/1996	0.398	0.150	12.84	UT
MEASE	STONES BDGE	SK28241144	4868	03/11/1996	0.410	0.181	15.63	UT
MEASE	STONES BDGE	SK28241144	4868	24/11/1996	0.427	0.258	22.12	UT
MEDEN	BOTHAMSALL	SK88007320	4045	03/05/1996	0.227	0.841	55.42	LT
MEDEN	BOTHAMSALL	SK88007320	4045	14/05/1996		0.357	30.82	LT
MEDEN	BOTHAMSALL	SK88007320	4045	20/05/1996	0.205	0.404	34.82	LT
MEDEN	BOTHAMSALL	SK88007320	4045	28/05/1996		0.508	43.74	LT
MEDEN	BOTHAMSALL	SK88007320	4045	10/08/1996	0.170	0.448	38.87	LT
MEDEN	BOTHAMSALL	SK88007320	4045	17/08/1996	0.170	0.394	34.04	LT
MEDEN	BOTHAMSALL	SK88007320	4045	24/08/1996	0.140	0.418	38.23	LT
MEDEN	BOTHAMSALL	SK88007320	4045	02/07/1996	0.230	0.552	47.70	LT
MEDEN	BOTHAMSALL	SK88007320	4045	08/07/1996		0.580	48.40	LT
MEDEN	BOTHAMSALL	SK88007320	4045	11/07/1996	0.180	0.417	35.98	LT
MEDEN	BOTHAMSALL	SK88007320	4045	15/07/1996	0.180	0.340	28.42	LT
MEDEN	BOTHAMSALL	SK88007320	4045	22/07/1996	0.185	0.298	25.80	LT
MEDEN	BOTHAMSALL	SK88007320	4045	28/07/1996	0.245	0.533	48.08	LT
MEDEN	BOTHAMSALL	SK88007320	4045	13/08/1996	0.205	0.800	51.81	LT
MEDEN	BOTHAMSALL	SK88007320	4045	19/08/1996		0.429	37.07	LT
MEDEN	BOTHAMSALL	SK88007320	4045	27/08/1996	0.235	0.583	50.34	LT
MEDEN	BOTHAMSALL	SK88007320	4045	02/09/1996	0.230	0.421	38.35	LT
MEDEN	BOTHAMSALL	SK88007320	4045	09/09/1996		0.478	41.14	LT
MEDEN	BOTHAMSALL	SK88007320	4045	07/10/1996	0.200	0.485	41.90	LT
MEDEN	BOTHAMSALL	SK88007320	4045	21/10/1996	0.235	0.718	62.03	LT
MEDEN	CHURCH WARSOP	SK55758805	4032	02/04/1996	0.175	0.300	25.89	LT
MEDEN	CHURCH WARSOP	SK55758805	4032	24/05/1996	0.215	0.390	33.71	LT
MEDEN	CHURCH WARSOP	SK55758805	4032	12/07/1996	0.188	0.337	29.12	LT
MEDEN	CHURCH WARSOP	SK55758805	4032	23/10/1996	0.127	0.174	15.02	LT

Table 11
Current Meter Gaugings for 1996

River name	Location	NGR	Site ref.	Date of Gauging	Mean Stage	Discharge cumecs	Discharge Mld	Area
MEDEN	CHURCH WARSOP	SK55756805	4032	23/12/1996	0.248	0.547	47.23	LT
MEDEN	CHURCH WARSOP	SK55756805	4032	27/12/1996	0.209	0.435	37.61	LT
MEDEN	PERLETHORPE	SK64807125	4118	16/01/1996	0.211	0.611	52.78	LT
MEDEN	PERLETHORPE	SK64807125	4118	21/05/1996	0.201	0.518	44.78	LT
MEDEN	PERLETHORPE	SK64807125	4118	27/08/1996	0.146	0.283	24.47	LT
MEDEN	PERLETHORPE	SK64807125	4118	12/07/1996	0.182	0.313	27.08	LT
MEDEN	PERLETHORPE	SK64807125	4118	25/07/1996	0.140	0.218	16.84	LT
MEDEN	PERLETHORPE	SK64807125	4118	18/08/1996	0.180	0.311	28.84	LT
MEDEN	PERLETHORPE	SK64807125	4118	09/09/1996	0.167	0.389	33.58	LT
MEECE BK.	SHALLOWFORD	SJ87442904	4079	17/01/1996	0.187	0.193	16.72	UT
MEECE BK.	SHALLOWFORD	SJ87442904	4079	05/02/1996	0.180	0.140	12.13	UT
MEECE BK.	SHALLOWFORD	SJ87442904	4079	12/02/1996	0.328	1.027	88.77	UT
MEECE BK.	SHALLOWFORD	SJ87442904	4079	27/02/1996	0.264	0.762	65.84	UT
MEECE BK.	SHALLOWFORD	SJ87442904	4079	22/05/1996	0.185	0.208	17.98	UT
MEECE BK.	SHALLOWFORD	SJ87442904	4079	25/08/1996	0.154	0.123	10.67	UT
MEECE BK.	SHALLOWFORD	SJ87442904	4079	22/07/1996	0.132	0.065	7.33	UT
MEECE BK.	SHALLOWFORD	SJ87442904	4079	08/12/1996	0.247	0.525	45.33	UT
MEESE	TIBBERTON	SJ68002050	2040	11/04/1996	0.158	0.684	58.11	US
MEESE	TIBBERTON	SJ68002050	2040	20/05/1996	0.184	0.771	68.61	US
MEESE	TIBBERTON	SJ68002050	2040	29/05/1996	0.152	0.705	60.88	LT
MEESE	TIBBERTON	SJ68002050	2040	04/08/1996	0.134	0.640	55.30	US
MEESE	TIBBERTON	SJ68002050	2040	17/07/1996	0.089	0.294	25.44	US
MEESE	TIBBERTON	SJ68002050	2040	29/05/1996	0.111	0.486	42.02	US
MEESE	TIBBERTON	SJ68002050	2040	04/11/1996	0.137	0.852	58.35	US
OLDCOTES DYKE	BLYTH	SK81508755	4047	15/01/1996	0.235	0.430	37.17	LT
OLDCOTES DYKE	BLYTH	SK81508755	4047	25/03/1996	0.261	0.562	47.67	LT
OLDCOTES DYKE	BLYTH	SK81508755	4047	16/04/1996	0.222	0.382	32.97	LT
OLDCOTES DYKE	BLYTH	SK81508755	4047	08/08/1996	0.192	0.252	21.82	LT
OLDCOTES DYKE	BLYTH	SK81508755	4047	02/07/1996	0.185	0.234	20.25	LT
OLDCOTES DYKE	BLYTH	SK81508755	4047	11/07/1996	0.183	0.227	19.80	LT
OLDCOTES DYKE	BLYTH	SK81508755	4047	12/07/1996	0.185	0.200	17.29	LT
OLDCOTES DYKE	BLYTH	SK81508755	4047	10/09/1996	0.188	0.217	18.78	LT
OLDCOTES DYKE	BLYTH	SK81508755	4047	15/10/1996	0.183	0.233	20.09	LT
OLDCOTES DYKE	BLYTH	SK81508755	4047	21/11/1996	0.313	0.930	60.37	LT
ONNY	ONIBURY	SO45507890	2054	13/02/1996	1.421	15.733	1359.35	US
ONNY	ONIBURY	SO45507890	2054	14/08/1996	0.788	0.888	78.71	US
ONNY	ONIBURY	SO45507890	2054	05/07/1996	0.755	0.349	30.16	US
ONNY	ONIBURY	SO45507890	2054	10/07/1996	0.740	0.398	34.18	US
ONNY	ONIBURY	SO45507890	2054	18/07/1996	0.717	0.293	25.29	US
ONNY	ONIBURY	SO45507890	2054	11/08/1996	0.707	0.205	17.71	US
ONNY	ONIBURY	SO45507890	2054	04/10/1996	0.708	0.197	17.00	US
ONNY	ONIBURY	SO45507890	2054	18/10/1996	0.735	0.385	33.28	US
PENK	PENKRIDGE	SJ92201445	4053	23/01/1996	0.278	1.214	104.88	UT
PENK	PENKRIDGE	SJ92201445	4053	24/05/1996	0.385	2.444	211.18	UT
PENK	PENKRIDGE	SJ92201445	4053	30/07/1996	0.208	0.625	53.68	UT
PENK	PENKRIDGE	SJ92201445	4053	28/08/1996	0.183	0.400	34.56	UT
PENK	PENKRIDGE D/S WEIR	SJ92201445	4053	14/03/1996	0.318	1.707	147.49	UT
PENK	PENKRIDGE U/S WEIR	SJ92081442	4053	25/08/1996	0.194	0.492	42.49	UT
PERRY	PERRY FM.	SJ38403020	2045	23/07/1996	0.132	0.155	13.43	US
PERRY	YEATON	SJ43351925	2020	18/08/1996	0.104	0.484	40.08	US
PERRY	YEATON	SJ43351925	2020	23/07/1996	0.083	0.312	26.99	US
PERRY	YEATON	SJ43351925	2020	15/08/1996	0.095	0.405	34.98	US
PERRY	YEATON	SJ43351925	2020	17/08/1996	0.088	0.322	27.81	US
PERRY	YEATON	SJ43351925	2020	24/08/1996	0.088	0.382	31.29	US
PERRY	YEATON	SJ43351925	2020	12/11/1996	0.129	0.591	51.08	US
PERRY	YEATON	SJ43351925	2020	17/12/1996	0.182	0.818	70.85	US
PERRY	YEATON	SJ43351925	2020	30/12/1996	0.185	1.053	90.68	US
POTFORD BK.	SANDYFORD BDGE	SJ63472219	2080	14/02/1996	0.163	0.129	11.11	US
POTFORD BK.	SANDYFORD BDGE	SJ63472219	2080	05/03/1996	0.128	0.088	5.69	US
POTFORD BK.	SANDYFORD BDGE	SJ63472219	2080	17/04/1996	0.132	0.078	6.74	US
POTFORD BK.	SANDYFORD BDGE	SJ63472219	2080	17/07/1996	0.098	0.027	2.34	US
POTFORD BK.	SANDYFORD BDGE	SJ63472219	2080	04/10/1996	0.090	0.027	2.35	US
POTFORD BK.	SANDYFORD BDGE	SJ63472219	2080	21/10/1996	0.107	0.054	4.82	US
POTFORD BK.	SANDYFORD BDGE	SJ63472219	2080	23/12/1996	0.139	0.083	8.02	US
POULTER	CUCKNEY	SK57107143	4044	16/01/1996	0.082	0.218	18.79	LT
POULTER	CUCKNEY	SK57107143	4044	13/02/1996	0.084	0.221	19.09	LT
POULTER	CUCKNEY	SK57107143	4044	16/04/1996	0.082	0.222	19.17	LT
POULTER	CUCKNEY	SK57107143	4044	07/05/1996	0.108	0.271	23.39	LT
POULTER	CUCKNEY	SK57107143	4044	21/08/1996	0.074	0.148	12.81	LT
POULTER	CUCKNEY	SK57107143	4044	12/07/1996	0.074	0.141	12.16	LT
POULTER	CUCKNEY	SK57107143	4044	25/07/1996	0.087	0.129	11.16	LT
POULTER	CUCKNEY	SK57107143	4044	03/09/1996	0.075	0.149	12.91	LT
POULTER	CUCKNEY	SK57107143	4044	08/09/1996	0.074	0.168	14.52	LT
POULTER	CUCKNEY	SK57107143	4044	17/10/1996	0.070	0.141	12.17	LT
POULTER	CUCKNEY	SK57107143	4044	13/11/1996	0.080	0.178	15.22	LT
POULTER	CUCKNEY	SK57107143	4044	29/11/1996	0.083	0.189	16.29	LT

Table 11
Current Meter Gaugings for 1996

River name	Location	NGR	Site ref.	Date of Gauging	Mean Stage	Discharge cumecs	Discharge Mid	Area
POULTER	CUCKNEY	SK57107143	4044	06/12/1996	0.081	0.212	18.33	LT
POULTER	TWYFORD BDGE	SK70007520	4036	05/01/1996	0.463	0.430	37.11	LT
POULTER	TWYFORD BDGE	SK69707510	4036	14/02/1996	0.620	0.687	59.32	LT
POULTER	TWYFORD BDGE	SK69707510	4036	20/03/1996	0.465	0.456	36.39	LT
POULTER	TWYFORD BDGE	SK69707510	4036	22/05/1996	0.392	0.282	24.32	LT
POULTER	TWYFORD BDGE	SK69707510	4036	05/06/1996	0.395	0.213	18.43	LT
POULTER	TWYFORD BDGE	SK69707510	4036	02/07/1996	0.406	0.102	8.82	LT
POULTER	TWYFORD BDGE	SK69707510	4036	11/07/1996	0.415	0.106	9.34	LT
POULTER	TWYFORD BDGE	SK69707510	4036	23/08/1996	0.538	0.166	14.31	LT
POULTER	TWYFORD BDGE	SK69707510	4036	05/09/1996	0.480	0.228	19.74	LT
POULTER	TWYFORD BDGE	SK69707510	4036	07/10/1996	0.438	0.240	20.76	LT
POULTER	TWYFORD BDGE	SK69707510	4036	07/11/1996	0.407	0.241	20.88	LT
POULTER	TWYFORD BDGE	SK69707510	4036	08/12/1996	0.466	0.405	35.02	LT
REA	CALTHORPE PARK	SP07088469	4039	18/01/1996	0.156	0.480	41.48	UT
REA	CALTHORPE PARK	SP07088469	4039	28/02/1996	0.154	0.481	39.82	UT
REA	CALTHORPE PARK	SP07088469	4039	14/03/1996	0.138	0.386	35.34	UT
REA	CALTHORPE PARK	SP07088469	4039	23/04/1996	0.394	2.483	214.51	UT
REA	CALTHORPE PARK	SP07088469	4039	16/05/1996	0.098	0.234	20.26	UT
REA	CALTHORPE PARK	SP07088469	4039	09/06/1996	0.118	0.268	24.85	UT
REA	CALTHORPE PARK	SP07088469	4039	29/08/1996	0.109	0.265	22.60	UT
REA	CALTHORPE PARK	SP07088469	4039	11/09/1996	0.088	0.172	14.90	UT
REA	CALTHORPE PARK	SP07088469	4039	03/12/1996	0.461	2.526	218.26	UT
REA	NEWMHAM BDGE	SO63806915	2039	05/03/1996	0.465	1.357	117.25	US
REA	NEWMHAM BDGE	SO64406930	2039	04/07/1996	0.405	0.532	46.00	US
REA BK	HOOKAGATE	SJ46580920	2018	18/08/1996	0.221	0.479	41.39	US
REA BK	HOOKAGATE	SJ46580920	2018	15/08/1996	0.154	0.284	22.84	US
REA BK	HOOKAGATE	SJ46580920	2018	17/08/1996	0.137	0.203	17.54	US
REA BK	HOOKAGATE	SJ46580920	2018	12/11/1996	0.260	0.700	60.48	US
RODEN	RODINGTON	SJ56951423	2016	21/08/1996	0.196	0.405	34.99	US
RODEN	RODINGTON	SJ56951423	2016	17/07/1996	0.146	0.226	19.52	US
RODEN	RODINGTON	SJ56951423	2016	19/08/1996	0.141	0.237	20.49	US
RODEN	RODINGTON	SJ56951423	2016	30/08/1996	0.180	0.356	30.76	US
ROLLESTON BK	ROLLESTON	SK24342823	4076	19/01/1996	0.200	0.250	21.62	UT
ROLLESTON BK	ROLLESTON	SK24342823	4076	27/03/1996	0.222	0.311	26.65	UT
ROLLESTON BK	ROLLESTON	SK24342823	4076	17/05/1996	0.171	0.196	16.92	UT
ROLLESTON BK	ROLLESTON	SK24342823	4076	25/07/1996	0.146	0.145	12.52	UT
ROLLESTON BK	ROLLESTON	SK24342823	4076	02/11/1996	0.171	0.185	18.03	UT
ROLLESTON BK	ROLLESTON	SK24342823	4076	31/12/1996	0.186	0.221	18.13	UT
ROTHLEY BK	ROTHLEY	SK58101220	4056	19/03/1996	0.233	0.359	30.98	LT
ROTHLEY BK	ROTHLEY	SK58101220	4056	28/03/1996	0.287	0.564	48.70	LT
ROTHLEY BK	ROTHLEY	SK58101220	4056	11/04/1996	0.235	0.421	36.36	LT
ROTHLEY BK	ROTHLEY	SK58101220	4056	19/04/1996	0.203	0.312	28.91	LT
ROTHLEY BK	ROTHLEY	SK58101220	4056	02/05/1996	0.199	0.321	27.75	LT
ROTHLEY BK	ROTHLEY	SK58851220	4056	04/06/1996	2.175	0.149	12.92	LT
ROTHLEY BK	ROTHLEY	SK58851220	4056	07/06/1996	0.168	0.177	15.28	LT
ROTHLEY BK	ROTHLEY	SK58101220	4056	18/06/1996	0.137	0.096	6.48	LT
ROTHLEY BK	ROTHLEY	SK58101220	4056	25/06/1996	0.132	0.099	6.52	LT
ROTHLEY BK	ROTHLEY	SK58101220	4056	05/07/1996	0.140	0.106	8.14	LT
ROTHLEY BK	ROTHLEY	SK58101220	4056	08/08/1996	0.111	0.048	4.14	LT
ROTHLEY BK	ROTHLEY	SK58101220	4056	16/09/1996	0.126	0.053	4.60	LT
ROTHLEY BK	ROTHLEY	SK58101220	4056	22/10/1996	0.150	0.124	10.74	LT
ROTHLEY BK	ROTHLEY	SK58101220	4056	11/11/1996	0.139	0.098	8.44	LT
ROTHLEY BK	ROTHLEY	SK58101220	4056	29/11/1996	0.280	0.597	51.59	LT
RYTON	BLYTH	SK63258710	4091	16/01/1996	0.447	0.831	71.78	LT
RYTON	BLYTH	SK63108720	4091	14/02/1996	0.592	1.862	160.92	LT
RYTON	BLYTH	SK63108720	4091	25/03/1996	0.507	1.193	103.08	LT
RYTON	BLYTH	SK63108720	4091	16/04/1996	0.448	0.749	64.78	LT
RYTON	BLYTH	SK63108720	4091	16/05/1996	0.428	0.627	54.15	LT
RYTON	BLYTH	SK63108720	4091	05/06/1996	0.433	0.583	50.35	LT
RYTON	BLYTH	SK63108720	4091	02/07/1996	0.404	0.479	41.43	LT
RYTON	BLYTH	SK63108720	4091	11/07/1996	0.379	0.396	34.21	LT
RYTON	BLYTH	SK63108720	4091	21/08/1996	0.346	0.414	35.76	LT
RYTON	BLYTH	SK63108720	4091	11/09/1996	0.362	0.472	40.76	LT
RYTON	BLYTH	SK63108720	4091	09/10/1996	0.463	0.794	68.60	LT
RYTON	BLYTH	SK63108720	4091	13/11/1996	0.464	0.844	72.68	LT
RYTON	BLYTH	SK63108720	4091	08/12/1996	0.440	0.746	64.47	LT
RYTON	WORKSOP	SK57507945	4049	15/01/1996	0.170	0.176	15.25	LT
RYTON	WORKSOP	SK57507945	4049	21/03/1996	0.192	0.204	17.64	LT
RYTON	WORKSOP	SK57507945	4049	16/04/1996	0.171	0.156	13.46	LT
RYTON	WORKSOP	SK57507945	4049	08/06/1996	0.135	0.073	6.29	LT
RYTON	WORKSOP	SK57507945	4049	04/07/1996	0.144	0.097	8.35	LT
RYTON	WORKSOP	SK57507945	4049	10/07/1996	0.122	0.072	6.23	LT
RYTON	WORKSOP	SK57507945	4049	15/10/1996	0.117	0.059	5.12	LT
RYTON	WORKSOP	SK57507945	4049	25/11/1996	0.247	0.458	39.53	LT
SALWARPE	HARFORD HILL	SO66806190	2011	15/01/1996	0.289	1.283	110.85	US
SALWARPE	HARFORD HILL	SO66806190	2011	12/02/1996	0.785	7.002	605.01	US

Table 11
Current Meter Gaugings for 1996

River name	Location	NGR	Site ref.	Date of Gauging	Mean Stage	Discharge cumecs	Discharge Mld	Area
SALWARPE	HARFORD HILL	SO66806190	2011	08/08/1996	0.183	0.478	41.15	US
SALWARPE	HARFORD HILL	SO66806190	2011	22/07/1996	0.183	0.380	32.82	US
SALWARPE	HARFORD HILL	SO66806190	2011	13/08/1996	0.157	0.348	30.07	US
SALWARPE	HARFORD HILL	SO66806190	2011	23/10/1996	0.172	0.385	33.28	US
SENCE	SOUTH WIGSTON	SP58859770	4088	24/01/1996	0.689	0.594	51.30	LT
SENCE	SOUTH WIGSTON	SP58859770	4088	23/02/1996	0.895	2.073	179.15	LT
SENCE	SOUTH WIGSTON	SP58859770	4088	27/03/1996	0.699	0.780	65.67	LT
SENCE	SOUTH WIGSTON	SP58859770	4088	23/04/1996	0.824	1.188	102.47	LT
SENCE	SOUTH WIGSTON	SP58859770	4088	18/06/1996	0.842	0.193	18.85	LT
SENCE	SOUTH WIGSTON	SP58859770	4088	25/08/1996	0.845	0.183	15.77	LT
SENCE	SOUTH WIGSTON	SP58859770	4088	05/07/1996	0.643	0.201	17.38	LT
SENCE	SOUTH WIGSTON	SP58859770	4088	17/08/1996	0.691	0.194	18.77	LT
SENCE	SOUTH WIGSTON	SP58859770	4088	23/08/1996	0.715	0.182	18.58	LT
SENCE	SOUTH WIGSTON	SP58859770	4088	18/10/1996	0.840	0.174	14.99	LT
SENCE	SOUTH WIGSTON	SP58859770	4088	14/11/1996	0.823	0.234	20.21	LT
SENCE	SOUTH WIGSTON	SP58859770	4088	04/12/1996	0.727	0.755	65.27	LT
SENCE	SOUTH WIGSTON	SP58859770	4088	11/12/1996	0.607	0.282	22.61	LT
SEVERN	ABERMULE	SO18459570	2014	12/02/1996	2.600	98.278	8491.04	US
SEVERN	ABERMULE	SO18459570	2014	25/04/1996	0.770	14.288	1232.54	US
SEVERN	ABERMULE	SO18459570	2014	29/05/1996	0.703	11.747	1014.84	US
SEVERN	ABERMULE	SO18459570	2014	10/08/1996	0.381	3.308	285.80	US
SEVERN	ABERMULE	SO18459570	2014	20/08/1996	0.484	5.563	480.80	US
SEVERN	ABERMULE	SO18459570	2014	28/08/1996	0.359	3.137	271.00	US
SEVERN	ABERMULE	SO18459570	2014	11/09/1996	0.519	6.880	525.32	US
SEVERN	ABERMULE	SO18459570	2014	23/09/1996	0.502	5.475	473.07	US
SEVERN	ABERMULE	SO18459570	2014	25/10/1996	0.587	7.400	639.33	US
SEVERN	ABERMULE	SO18459570	2014	07/11/1996	2.043	68.125	5713.18	US
SEVERN	ABERMULE	SO18459570	2014	11/11/1996	0.900	18.887	1439.99	US
SEVERN	ABERMULE	SO18459570	2014	11/12/1996	0.897	11.583	1000.78	US
SEVERN	BEWDLEY	SO78207820	2001	07/08/1996	0.470	21.888	1872.11	US
SEVERN	BEWDLEY	SO78207820	2001	24/07/1996	0.257	11.117	980.53	US
SEVERN	BEWDLEY	SO78207820	2001	29/07/1996	0.234	11.347	980.40	US
SEVERN	BEWDLEY	SO78207820	2001	02/08/1996	0.177	8.289	800.80	US
SEVERN	BEWDLEY	SO78207820	2001	12/08/1996	0.222	11.149	983.31	US
SEVERN	BEWDLEY	SO78207820	2001	23/09/1996	0.203	10.103	872.88	US
SEVERN	BRIDGNORTH	SO71859245	2180	14/02/1996	2.672	243.489	21035.75	US
SEVERN	BUILDWAS	SJ84580443	2134	09/02/1996	0.544	17.629	1523.18	US
SEVERN	BUILDWAS	SJ84580443	2134	29/02/1996	1.441	83.149	5458.11	US
SEVERN	BUILDWAS	SJ84580443	2134	27/08/1996	0.359	9.372	809.78	US
SEVERN	BUILDWAS	SJ84580443	2134	27/08/1996	0.359	9.671	835.59	US
SEVERN	BUILDWAS	SJ84580443	2134	28/07/1996	0.422	12.704	1087.83	US
SEVERN	BUILDWAS	SJ84580443	2134	19/08/1996	0.409	11.317	977.78	US
SEVERN	BUILDWAS	SJ84580443	2134	30/08/1996	0.484	13.497	1188.17	US
SEVERN	BUILDWAS	SJ84580443	2134	22/10/1996	1.750	80.128	6922.88	US
SEVERN	DOLWEN	SN99818515	2073	30/01/1996	0.080	1.357	117.24	US
SEVERN	DOLWEN	SN99818515	2073	09/04/1996	0.071	1.408	121.85	US
SEVERN	HAW BDGE	SO84492785	2057	10/01/1996	3.982	347.618	30034.28	LS
SEVERN	HAW BDGE	SO84492785	2057	14/02/1996	4.503	422.188	38478.85	LS
SEVERN	HAW BDGE	SO84492785	2057	13/03/1996	1.758	122.018	10542.33	LS
SEVERN	HAW BDGE	SO84492785	2057	11/04/1996	0.823	51.463	4448.44	LS
SEVERN	HAW BDGE	SO84492785	2057	23/04/1996	1.448	93.430	8072.35	LS
SEVERN	HAW BDGE	SO84492785	2057	13/05/1996	0.840	44.420	3837.92	LS
SEVERN	HAW BDGE	SO84492785	2057	22/05/1996	1.015	54.628	4719.83	LS
SEVERN	HAW BDGE	SO84492785	2057	30/05/1996	1.089	81.738	5334.13	LS
SEVERN	HAW BDGE	SO84492785	2057	09/07/1996	0.500	20.482	1789.88	LS
SEVERN	HAW BDGE	SO84492785	2057	20/08/1996	0.457	15.304	1322.28	LS
SEVERN	HAW BDGE	SO84492785	2057	03/10/1996	0.678	23.194	2003.92	LS
SEVERN	HAW BDGE	SO84492785	2057	22/10/1996	1.188	81.898	5347.82	LS
SEVERN	HAW BDGE	SO84492785	2057	05/11/1996	1.982	127.468	11013.23	LS
SEVERN	HAW BDGE	SO84492785	2057	07/11/1996	1.839	124.500	10759.82	LS
SEVERN	HAW BDGE	SO84492785	2057	21/11/1996	1.287	84.422	7294.07	LS
SEVERN	HAW BDGE	SO84492785	2057	05/12/1996	2.808	198.398	16998.02	LS
SEVERN	HAW BDGE	SO84492785	2057	19/12/1996	1.121	60.874	5242.27	LS
SEVERN	MONTFORD	SJ41151445	2005	15/01/1996	2.503	87.524	5834.07	US
SEVERN	MONTFORD	SJ41151445	2005	09/02/1996	0.852	10.583	914.38	US
SEVERN	MONTFORD	SJ41151445	2005	18/03/1996	2.017	51.939	4487.51	US
SEVERN	MONTFORD	SJ41151445	2005	23/04/1996	1.899	48.420	4010.88	US
SEVERN	MONTFORD	SJ41151445	2005	30/05/1996	1.877	40.857	3512.79	US
SEVERN	MONTFORD	SJ41151445	2005	28/08/1996	0.897	5.894	508.83	US
SEVERN	MONTFORD	SJ41151445	2005	27/08/1996	0.911	8.855	574.97	US
SEVERN	MONTFORD	SJ41151445	2005	23/08/1996	0.897	8.744	582.70	US
SEVERN	MONTFORD	SJ41151445	2005	23/09/1996	0.842	7.215	623.40	US
SEVERN	MONTFORD	SJ41151445	2005	25/10/1996	1.301	18.098	1583.45	US
SEVERN	MONTFORD	SJ41151445	2005	12/11/1996	1.980	48.078	3980.92	US
SEVERN	MONTFORD	SJ41151445	2005	04/12/1996	4.439	157.983	13848.01	US
SEVERN	MONTFORD	SJ41151445	2005	04/12/1996	4.452	185.807	14325.71	US

Table 11
Current Meter Gaugings for 1996

River name	Location	NGR	Site ref.	Date of Gauging	Mean Stage	Discharge cumecs	Discharge Mid	Area
SEVERN	MONTFORD	SJ41151445	2005	05/12/1996	4.405	152.610	13185.54	US
SEVERN	MONTFORD	SJ41151445	2005	05/12/1996	4.319	159.408	13772.68	US
SEVERN	SAXONS LODGE	SO88300390	2032	12/01/1996	2.085	172.505	14904.42	LS
SEVERN	SAXONS LODGE	SO88300390	2032	11/03/1996	0.645	49.180	4247.42	LS
SEVERN	SAXONS LODGE	SO88300390	2032	14/08/1996	0.410	14.202	1227.02	LS
SEVERN	SAXONS LODGE	SO88300390	2032	10/10/1996	0.408	11.938	1031.42	LS
SEVERN	SAXONS LODGE	SO88300390	2032	24/10/1996	0.568	39.129	3380.45	LS
SEVERN	SAXONS LODGE	SO88300390	2032	14/11/1996	0.684	57.287	4949.58	LS
SMESTOW BK.	SWINDON	SO88108080	2067	15/03/1996	1.148	0.428	36.79	US
SMESTOW BK.	SWINDON	SO88108080	2067	11/07/1996	1.050	0.189	18.32	US
SMESTOW BK.	SWINDON	SO88108080	2067	12/11/1996	1.174	0.784	67.75	US
SMESTOW BK.	SWINDON	SO88108080	2067	23/12/1996	1.127	0.450	38.67	US
SOAR	KEGWORTH	SK48152825	4074	25/01/1996	0.482	8.471	559.14	LT
SOAR	KEGWORTH	SK48152825	4074	27/02/1996	0.657	26.410	2454.58	LT
SOAR	KEGWORTH	SK48152825	4074	20/03/1996	0.468	0.995	604.38	LT
SOAR	KEGWORTH	SK48152825	4074	19/08/1996	0.409	2.342	202.38	LT
SOAR	KEGWORTH	SK48152825	4074	08/11/1996	0.426	3.604	311.39	LT
SOAR	KEGWORTH	SK48152825	4074	12/11/1996	0.443	4.713	407.23	LT
SOAR	KEGWORTH	SK48152825	4074	05/12/1996	0.481	8.403	728.00	LT
SOAR	KEGWORTH	SK48152825	4074	05/12/1996	0.479	8.271	714.58	LT
SOAR	KEGWORTH	SK48152825	4074	11/12/1996	0.432	4.408	380.89	LT
SOAR	LITTLETHORPE	SP54108730	4082	24/01/1996	0.571	0.883	76.29	LT
SOAR	LITTLETHORPE	SP54108730	4082	27/02/1996	0.970	3.424	295.80	LT
SOAR	LITTLETHORPE	SP54108730	4082	27/03/1996	0.612	0.980	82.91	LT
SOAR	LITTLETHORPE	SP54108730	4082	19/04/1996	0.612	0.838	54.98	LT
SOAR	LITTLETHORPE	SP54108730	4082	18/06/1996	0.571	0.189	14.58	LT
SOAR	LITTLETHORPE	SP54108730	4082	25/08/1996	0.544	0.274	23.68	LT
SOAR	LITTLETHORPE	SP54108730	4082	08/07/1996	0.488	0.216	18.64	LT
SOAR	LITTLETHORPE	SP54108730	4082	12/08/1996	0.407	0.338	29.19	LT
SOAR	LITTLETHORPE	SP54108730	4082	19/10/1996	0.377	0.232	20.02	LT
SOAR	LITTLETHORPE	SP54108730	4082	28/11/1996	0.604	0.940	81.24	LT
SOAR	LITTLETHORPE	SP54108730	4082	03/12/1996	0.718	1.414	122.19	LT
SOAR	LITTLETHORPE	SP54108730	4082	03/12/1996	0.706	1.412	122.03	LT
SOAR	LITTLETHORPE	SP54108730	4082	11/12/1996	0.434	0.382	33.67	LT
SOAR	PILLINGS LOCK	SK58501810	4093	20/03/1996	1.038	5.343	461.59	LT
SOAR	PILLINGS LOCK	SK58501810	4093	03/07/1996	0.944	2.323	200.70	LT
SOAR	PILLINGS LOCK	SK58501810	4093	28/08/1996	0.933	1.898	163.79	LT
SOAR	PILLINGS LOCK	SK58501810	4093	28/08/1996	0.938	1.797	155.25	LT
SOAR	PILLINGS LOCK	SK58501810	4093	08/11/1996	0.990	3.647	315.11	LT
SOAR	PILLINGS LOCK	SK58501810	4093	08/11/1996	0.990	3.814	329.51	LT
SOAR	PILLINGS LOCK	SK58501810	4093	12/11/1996	1.048	8.184	534.29	LT
SOAR	PILLINGS LOCK	SK58501810	4093	12/11/1996	1.038	5.878	507.89	LT
SOAR	PILLINGS LOCK	SK58501810	4093	20/11/1996	0.885	13.281	1147.49	LT
SOAR	PILLINGS LOCK	SK58501810	4093	27/11/1996	1.038	8.123	529.08	LT
SOAR	PILLINGS LOCK	SK58501810	4093	27/11/1996	1.040	8.129	529.51	LT
SOAR (TOT. FLOW)	PILLINGS LOCK	SK58501810	4093	20/03/1996	1.038	5.391	465.77	LT
SOW	GREAT BRIDGEFORD	SJ88372893	4052	15/01/1996	0.250	0.858	74.09	UT
SOW	GREAT BRIDGEFORD	SJ88372893	4052	05/02/1996	0.209	0.427	36.82	UT
SOW	GREAT BRIDGEFORD	SJ88372893	4052	14/03/1996	0.298	0.892	77.10	UT
SOW	GREAT BRIDGEFORD	SJ88372893	4052	15/04/1996	0.249	0.600	51.87	UT
SOW	GREAT BRIDGEFORD	SJ88372893	4052	22/05/1996	0.238	0.534	46.10	UT
SOW	GREAT BRIDGEFORD	SJ88372893	4052	04/08/1996	0.220	0.418	36.08	UT
SOW	GREAT BRIDGEFORD	SJ88372893	4052	25/08/1996	0.183	0.307	28.50	UT
SOW	GREAT BRIDGEFORD	SJ88372893	4052	05/07/1996	0.205	0.398	34.35	UT
SOW	GREAT BRIDGEFORD	SJ88372893	4052	27/08/1996	0.227	0.387	33.40	UT
SOW	GREAT BRIDGEFORD	SJ88372893	4052	27/08/1996	0.187	0.328	28.18	UT
SOW	GREAT BRIDGEFORD	SJ88372893	4052	19/10/1996	0.225	0.488	41.98	UT
SOW	GREAT BRIDGEFORD	SJ88372893	4052	30/11/1996	0.373	1.513	130.78	UT
SOW	GREAT BRIDGEFORD	SJ88372893	4052	08/12/1996	0.298	0.880	76.04	UT
SOW	MILFORD	SJ97502155	4014	12/01/1996	0.499	6.278	542.38	UT
SOW	MILFORD	SJ97502155	4014	12/02/1996	0.854	7.785	672.60	UT
SOW	MILFORD	SJ97502155	4014	21/03/1996	0.318	4.845	418.63	UT
SOW	MILFORD	SJ97502155	4014	15/04/1996	0.212	3.127	270.16	UT
SOW	MILFORD	SJ97502155	4014	07/05/1996	0.127	2.473	213.65	UT
SOW	MILFORD	SJ97502155	4014	20/05/1996	0.299	3.844	314.82	UT
SOW	MILFORD	SJ97502155	4014	03/08/1996	0.139	2.929	253.04	UT
SOW	MILFORD	SJ97502155	4014	10/08/1996	0.168	2.483	212.81	UT
SOW	MILFORD	SJ97502155	4014	17/08/1996	0.183	2.114	182.87	UT
SOW	MILFORD	SJ97502155	4014	25/08/1996	0.195	1.760	152.08	UT
SOW	MILFORD	SJ97502155	4014	01/07/1996	0.317	2.088	181.11	UT
SOW	MILFORD	SJ97502155	4014	08/07/1996	0.353	1.631	140.89	UT
SOW	MILFORD	SJ97502155	4014	18/07/1996	0.328	1.134	98.01	UT
SOW	MILFORD	SJ97502155	4014	23/07/1996	0.363	1.334	115.22	UT
SOW	MILFORD	SJ97502155	4014	29/07/1996	0.479	1.818	157.09	UT
SOW	MILFORD	SJ97502155	4014	05/08/1996	0.402	1.107	95.81	UT
SOW	MILFORD	SJ97502155	4014	12/08/1996	0.628	2.387	208.27	UT

Table 11
Current Meter Gaugings for 1996

River name	Location	NGR	Site ref.	Date of Gauging	Mean Stage	Discharge cumecs	Discharge Mld	Area
SOW	MILFORD	SJ97502155	4014	19/09/1996	0.505	1.405	121.41	UT
SOW	MILFORD	SJ97502155	4014	02/09/1996	0.595	1.588	137.24	UT
SOW	MILFORD	SJ97502155	4014	09/09/1996	0.569	1.138	98.28	UT
SOW	MILFORD	SJ97502155	4014	16/09/1996	0.553	1.406	121.49	UT
SOW	MILFORD	SJ97502155	4014	07/10/1996	0.483	1.593	137.88	UT
SOW	MILFORD	SJ97502155	4014	03/11/1996	0.298	2.288	197.53	UT
SOW	MILFORD	SJ97502155	4014	20/11/1996	0.681	5.550	479.55	UT
SOW	MILFORD	SJ97502155	4014	28/11/1996	1.072	8.253	713.03	UT
SOW	MILFORD	SJ97502155	4014	08/12/1996	0.320	3.828	330.74	UT
SOW	WALKMILL	SJ79302978	4840	28/01/1996	0.238	0.055	4.78	UT
SOW	WALKMILL	SJ79302978	4840	28/03/1996	0.259	0.067	5.81	UT
SOW	WALKMILL	SJ79302978	4840	22/05/1996	0.220	0.037	3.21	UT
SOW	WALKMILL	SJ79302978	4840	24/07/1996	0.184	0.028	2.28	UT
SOW	WALKMILL	SJ79302978	4840	08/11/1996	0.246	0.055	4.77	UT
SOW	WALKMILL	SJ79302978	4840	08/12/1996	0.207	0.034	2.85	UT
SOW	WALKMILL	SJ79302978	4840	19/12/1996	0.302	0.098	8.29	UT
SOW	WALKMILL	SJ79302978	4840	31/12/1996	0.230	0.041	3.51	UT
SOWE	STONELEIGH	SP33207280	2004	22/02/1996	0.521	4.381	378.81	LS
SOWE	STONELEIGH	SP33207280	2004	08/03/1996	0.414	2.422	209.30	LS
SOWE	STONELEIGH	SP33207280	2004	04/04/1996	0.375	1.988	170.18	LS
SOWE	STONELEIGH	SP33207280	2004	04/04/1996	0.375	1.015	87.85	LS
SOWE	STONELEIGH	SP33207280	2004	18/04/1996	0.403	2.202	190.22	LS
SOWE	STONELEIGH	SP33207280	2004	23/12/1996	0.385	1.895	163.75	LS
STOUR	CLIFFORD CHAMBERS	SP19705270	2010	04/01/1996	1.228	2.827	244.27	LS
STOUR	CLIFFORD CHAMBERS	SP19705270	2010	05/01/1996	1.221	1.705	147.32	LS
STOUR	CLIFFORD CHAMBERS	SP19705270	2010	08/01/1996	1.211	4.189	361.90	LS
STOUR	CLIFFORD CHAMBERS	SP19705270	2010	16/01/1996	1.194	3.072	285.39	LS
STOUR	CLIFFORD CHAMBERS	SP19705270	2010	25/01/1996	0.748	2.847	228.87	LS
STOUR	CLIFFORD CHAMBERS	SP19705270	2010	28/01/1996	0.677	1.489	128.93	LS
STOUR	CLIFFORD CHAMBERS	SP19705270	2010	13/02/1996	1.080	9.880	851.91	LS
STOUR	CLIFFORD CHAMBERS	SP19705270	2010	22/02/1996	0.720	2.173	187.71	LS
STOUR	CLIFFORD CHAMBERS	SP19705270	2010	27/02/1996	0.835	4.200	362.89	LS
STOUR	CLIFFORD CHAMBERS	SP19705270	2010	07/03/1996	0.719	2.107	182.05	LS
STOUR	CLIFFORD CHAMBERS	SP19705270	2010	12/03/1996	0.740	2.128	183.89	LS
STOUR	CLIFFORD CHAMBERS	SP19705270	2010	28/03/1996	0.700	1.519	131.22	LS
STOUR	CLIFFORD CHAMBERS	SP19705270	2010	25/03/1996	0.713	1.808	156.08	LS
STOUR	CLIFFORD CHAMBERS	SP19705270	2010	03/04/1996	0.679	1.004	88.78	LS
STOUR	CLIFFORD CHAMBERS	SP19705270	2010	10/04/1996	0.847	0.844	72.98	LS
STOUR	CLIFFORD CHAMBERS	SP19705280	2010	10/04/1996	0.858	0.887	74.91	LS
STOUR	CLIFFORD CHAMBERS	SP19705270	2010	15/04/1996	0.707	1.812	139.31	LS
STOUR	CLIFFORD CHAMBERS	SP19705270	2010	23/04/1996	0.871	0.984	83.29	LS
STOUR	CLIFFORD CHAMBERS	SP19870528	2010	20/05/1996	0.845	0.818	70.49	LS
STOUR	CLIFFORD CHAMBERS	SP19705270	2010	24/06/1996	0.575	0.253	21.82	LS
STOUR	CLIFFORD CHAMBERS	SP19705270	2010	24/06/1996	0.578	0.533	48.03	LS
STOUR	CLIFFORD CHAMBERS	SP19705270	2010	08/07/1996	0.575	0.244	21.08	LS
STOUR	CLIFFORD CHAMBERS	SP19705210	2010	28/07/1996	0.000	0.188	14.38	LS
STOUR	CLIFFORD CHAMBERS	SP19705270	2010	14/08/1996	0.588	0.241	20.82	LS
STOUR	STOURBRIDGE	SO90508450	2083	12/01/1996	0.257	1.491	128.81	US
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	01/05/1996	0.887	1.144	98.84	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	09/05/1996	0.832	0.838	72.43	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	14/05/1996	0.821	0.814	53.06	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	22/05/1996	0.825	0.711	61.48	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	28/05/1996	0.828	0.725	62.87	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	07/06/1996	0.588	0.333	28.81	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	12/06/1996	0.600	0.360	32.80	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	20/06/1996	0.578	0.288	24.71	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	27/06/1996	0.573	0.288	25.74	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705280	2010	01/07/1996	0.578	0.289	23.25	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	04/07/1996	0.380	0.283	25.31	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	08/07/1996	0.574	0.287	24.75	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	15/07/1996	0.270	0.189	16.39	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	28/07/1996	0.280	0.180	13.88	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	30/07/1996	0.584	0.428	36.81	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	05/08/1996	0.559	0.183	14.10	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	22/08/1996	0.554	0.175	15.15	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	30/08/1996	0.577	0.289	24.95	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	05/09/1996	0.580	0.190	16.40	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	10/09/1996	0.559	0.184	15.87	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705280	2010	16/09/1996	0.550	0.145	12.51	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	19/09/1996	0.550	0.145	12.53	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	25/09/1996	0.557	0.185	16.81	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	30/09/1996	0.563	0.214	18.49	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	17/10/1996	0.561	0.213	18.42	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	21/10/1996	0.588	0.252	21.74	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	31/10/1996	0.588	0.282	24.32	LS
STOUR (WARKS)	CLIFFORD CHAMBERS	SP19705270	2010	08/11/1996	0.589	0.254	21.92	LS

Table 11
Current Meter Gaugings for 1996

River name	Location	NGR	Site ref.	Date of Gauging	Mean Stage	Discharge cumecs	Discharge Mld	Area
STOUR (WORKS)	CLIFFORD CHAMBERS	SP19705270	2010	12/11/1996	0.567	0.216	18.09	LS
STOUR (WORKS)	CLIFFORD CHAMBERS	SP19705270	2010	18/11/1996	0.578	0.303	28.19	LS
STOUR (WORKS)	CLIFFORD CHAMBERS	SP19705270	2010	29/11/1996	0.600	0.461	39.67	LS
STOUR (WORKS)	CLIFFORD CHAMBERS	SP19705270	2010	02/12/1996	0.565	0.461	39.80	LS
STOUR (WORKS)	CLIFFORD CHAMBERS	SP19705270	2010	12/12/1996	0.569	0.423	36.53	LS
STOUR (WORKS)	CLIFFORD CHAMBERS	SP19705270	2010	19/12/1996	0.601	0.539	46.57	LS
STOUR (WORKS)	SHIPSTON	SP28014050	2092	15/01/1996	0.652	2.389	206.40	LS
STOUR (WORKS)	SHIPSTON	SP28014050	2092	16/02/1996	0.628	2.211	181.01	LS
STOUR (WORKS)	SHIPSTON	SP28104040	2092	26/07/1996	0.171	0.193	16.67	LS
STOUR (WORKS)	SHIPSTON	SP28104040	2092	18/08/1996	0.130	0.136	11.73	LS
STOUR (WORKS)	SHIPSTON	SP28104040	2092	09/10/1996	0.177	0.191	16.49	LS
STOUR (WORKS)	SHIPSTON	SP28104040	2092	22/11/1996	0.248	0.347	30.02	LS
STOUR (WORCS)	KIDDER(CALLOWES LANE)	SO63017684	2167	18/01/1996	0.900	2.214	191.33	US
STOUR (WORCS)	KIDDER(CALLOWES LANE)	SO63017684	2167	28/02/1996	0.906	2.427	209.65	US
STOUR (WORCS)	KIDDER(CALLOWES LANE)	SO63017684	2167	21/03/1996	1.186	6.038	521.73	US
STOUR (WORCS)	KIDDER(CALLOWES LANE)	SO63017684	2167	18/04/1996	0.898	1.984	171.42	US
STOUR (WORCS)	KIDDER(CALLOWES LANE)	SO63017684	2167	30/05/1996	0.940	2.608	225.15	US
STOUR (WORCS)	KIDDER(CALLOWES LANE)	SO63017684	2167	18/06/1996	0.835	1.423	122.95	US
STOUR (WORCS)	KIDDER(CALLOWES LANE)	SO63017684	2167	16/07/1996	0.832	1.074	82.80	US
STOUR (WORCS)	KIDDER(CALLOWES LANE)	SO63017684	2167	27/08/1996	0.868	1.741	150.40	US
STOUR (WORCS)	KIDDER(CALLOWES LANE)	SO63017684	2167	24/09/1996	0.818	1.207	104.30	US
STOUR (WORCS)	KIDDER(CALLOWES LANE)	SO63017684	2167	25/10/1996	0.895	2.151	185.84	US
STOUR (WORCS)	KIDDER(CALLOWES LANE)	SO63017684	2167	03/12/1996	1.216	5.757	497.40	US
STOUR (WORCS)	PRESTWOOD	SO86708610	2063	24/01/1996	0.250	1.108	95.73	US
STOUR (WORCS)	PRESTWOOD	SO86708610	2063	06/03/1996	0.227	0.849	73.31	US
STOUR (WORCS)	PRESTWOOD	SO86708610	2063	13/08/1996	0.204	0.888	57.53	US
STOUR (WORCS)	PRESTWOOD	SO86708610	2063	12/11/1996	0.220	0.802	69.33	US
STOUR (WORCS)	PRESTWOOD	SO86708610	2063	11/12/1996	0.222	0.780	67.40	US
STOUR (WORCS)	PRESTWOOD	SO86708610	2063	23/12/1996	0.220	0.672	58.09	US
STOUR (WORCS)	STOURBRIDGE	SO90608450	2063	20/08/1996	0.098	0.547	47.30	US
STOUR (WORCS)	STOURBRIDGE	SO90608450	2063	24/09/1996	0.107	0.497	42.82	US
STOUR (WORCS)	STOURBRIDGE	SO90608450	2063	08/11/1996	0.130	0.675	58.31	US
STOUR (WORCS)	STOURBRIDGE	SO90608450	2063	11/12/1996	0.137	0.603	52.08	US
STOUR (WORCS)	STOURTON	SO88148480	2084	15/03/1996	0.146	1.525	131.76	US
STOUR (WORCS)	STOURTON	SO88148480	2084	08/04/1996	0.110	0.957	82.71	US
STOUR (WORCS)	STOURTON	SO88148480	2084	11/07/1996	0.131	0.799	69.01	US
STOUR (WORCS)	STOURTON	SO88148480	2084	03/12/1996	0.521	5.997	516.15	US
STOUR (WORCS)	STOURTON	SO88148480	2084	03/12/1996	0.521	5.997	516.15	US
STRINE	CRUDGINGTON	SJ84061747	2170	03/01/1996	0.180	0.436	37.67	US
STRINE	CRUDGINGTON	SJ84061747	2170	02/02/1996	0.184	0.301	25.96	US
STRINE	CRUDGINGTON	SJ84061747	2170	05/03/1996	0.180	0.449	38.79	US
STRINE	CRUDGINGTON	SJ84061747	2170	13/08/1996	0.224	0.312	26.94	US
STRINE	CRUDGINGTON	SJ84061747	2170	17/07/1996	0.132	0.134	11.56	US
STRINE	CRUDGINGTON	SJ84061747	2170	22/08/1996	0.143	0.189	16.32	US
STRINE	CRUDGINGTON	SJ84061747	2170	02/10/1996	0.144	0.220	18.03	US
STRINE	CRUDGINGTON	SJ84061747	2170	21/10/1996	0.165	0.295	25.46	US
TAME	BESCOT	SP01229582	4081	16/01/1996	0.700	1.598	138.04	UT
TAME	BESCOT	SP01229582	4081	28/02/1996	0.799	2.359	203.61	UT
TAME	BESCOT	SP01229582	4081	11/04/1996	0.603	0.982	83.13	UT
TAME	BESCOT	SP01229582	4081	22/07/1996	0.841	0.593	51.20	UT
TAME	BESCOT	SP01229582	4081	11/08/1996	0.822	0.566	46.93	UT
TAME	BESCOT	SP01229582	4081	08/10/1996	0.489	0.532	45.97	UT
TAME	HOPWAS	SK18120520	4085	09/01/1996	1.536	61.285	5293.27	UT
TAME	HOPWAS	SK18120520	4085	05/02/1996	0.350	12.468	1077.22	UT
TAME	HOPWAS	SK18120520	4085	13/03/1996	0.472	17.729	1531.79	UT
TAME	HOPWAS	SK18120520	4085	10/04/1996	0.338	11.063	955.85	UT
TAME	HOPWAS	SK18120520	4085	08/05/1996	0.374	9.295	803.07	UT
TAME	HOPWAS	SK18120520	4085	05/06/1996	0.591	9.677	836.10	UT
TAME	HOPWAS	SK18120520	4085	26/07/1996	1.068	7.521	649.76	UT
TAME	HOPWAS	SK18120520	4085	27/08/1996	1.100	12.798	1105.72	UT
TAME	HOPWAS	SK18120520	4085	12/09/1996	0.924	7.470	643.37	UT
TAME	HOPWAS	SK18120520	4085	20/10/1996	0.805	9.941	858.67	UT
TAME	HOPWAS	SK18120520	4085	02/11/1996	0.821	12.851	1093.05	UT
TAME	HOPWAS	SK18120520	4085	20/11/1996	1.548	43.569	3794.36	UT
TAME	HOPWAS	SK18120520	4085	01/12/1996	0.708	13.716	1165.04	UT
TAME	PERRY PARK	SP06109190	4087	27/03/1996	0.474	1.948	168.32	UT
TAME	PERRY PARK	SP06109190	4087	23/05/1996	0.424	1.284	110.96	UT
TAME	PERRY PARK	SP06109190	4087	13/08/1996	0.424	1.233	108.54	UT
TAME	PERRY PARK	SP06109190	4087	10/09/1996	0.472	0.956	82.84	UT
TAME	PERRY PARK	SP06109190	4087	07/11/1996	0.452	1.689	163.22	UT
TAME	PERRY PARK	SP06109190	4087	19/12/1996	1.144	11.306	978.84	UT
TAME	SANDWELL	SP02918262	4084	18/01/1996	0.398	2.239	193.42	UT
TAME	SANDWELL	SP02918262	4084	27/03/1996	0.368	1.749	151.15	UT
TAME	SANDWELL	SP02918262	4084	17/05/1996	0.368	1.440	124.44	UT
TAME	SANDWELL	SP02918262	4084	22/07/1996	0.447	0.982	84.88	UT
TAME	SANDWELL	SP02918262	4084	08/10/1996	0.325	1.047	90.48	UT

Table 11
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River name	Location	NGR	Site ref.	Date of Gauging	Mean Stage	Discharge cumecs	Discharge Mld	Area
TAME	SANDWELL	SP02919282	4084	14/11/1996	0.332	1.273	109.99	UT
TAME	WATER ORTON	SP18949143	4003	18/01/1996	0.342	3.675	317.51	UT
TAME	WATER ORTON	SP18949143	4003	13/02/1996	0.554	7.225	624.20	UT
TAME	WATER ORTON	SP18949143	4003	25/03/1996	0.343	3.717	321.14	UT
TAME	WATER ORTON	SP18949143	4003	10/04/1996	0.294	2.691	229.88	UT
TAME	WATER ORTON	SP18949143	4003	28/04/1996	0.289	2.483	214.57	UT
TAME	WATER ORTON	SP18949143	4003	22/05/1996	0.410	4.415	381.42	UT
TAME	WATER ORTON	SP18949143	4003	28/07/1996	0.247	1.887	144.03	UT
TAME	WATER ORTON	SP18949143	4003	29/08/1996	0.289	2.460	212.57	UT
TAME	WATER ORTON	SP18949143	4003	20/11/1996	1.348	25.990	2242.64	UT
TAME	WATER ORTON	SP18949143	4003	03/12/1996	0.748	11.111	980.02	UT
TAME (L/C)	LEA MARSTON	SP20749374	4080	17/01/1996	0.402	5.856	505.84	UT
TAME (L/C)	LEA MARSTON	SP20749374	4080	30/07/1996	0.337	4.188	359.88	UT
TAME (L/C)	LEA MARSTON	SP20749374	4080	11/08/1996	0.259	2.458	212.41	UT
TAME (R/C)	LEA MARSTON	SP20749374	4080	17/01/1996	0.417	6.001	518.48	UT
TAME (R/C)	LEA MARSTON	SP20749374	4080	30/07/1996	0.341	4.288	370.49	UT
TAME (R/C)	LEA MARSTON	SP20749374	4080	11/08/1996	0.254	2.559	221.08	UT
TAME (TOT FLOW)	LEA MARSTON	SP20749374	4080	22/05/1996	0.384	11.030	952.98	UT
TAME (TOT FLOW)	LEA MARSTON	SP20749374	4080	30/07/1996	0.358	8.453	730.37	UT
TAME (TOT FLOW)	LEA MARSTON	SP20749374	4080	11/08/1996	0.256	5.017	433.49	UT
TAME OLDBURY ARM	SHEEPWASH	SO97429222	4101	18/01/1996	0.329	0.154	13.27	UT
TAME OLDBURY ARM	SHEEPWASH	SO97429222	4101	11/04/1996	0.300	0.099	8.53	UT
TAME OLDBURY ARM	SHEEPWASH	SO97429222	4101	17/05/1996	0.295	0.083	7.15	UT
TAME OLDBURY ARM	SHEEPWASH	SO97429222	4101	22/10/1996	0.421	0.092	7.98	UT
TAME OLDBURY ARM	SHEEPWASH	SO97429222	4101	14/11/1996	0.418	0.102	8.83	UT
TAME OLDBURY ARM	SHEEPWASH	SO97429222	4101	30/12/1996	0.363	0.110	8.50	UT
TANAT	LLANYBLODWEL	SJ25202250	2038	15/01/1996	0.732	11.121	980.83	US
TANAT	LLANYBLODWEL	SJ25202250	2038	29/03/1996	0.592	8.172	708.09	US
TANAT	LLANYBLODWEL	SJ25202250	2038	30/05/1996	0.498	5.361	483.21	US
TANAT	LLANYBLODWEL	SJ25252225	2038	29/07/1996	0.231	0.858	73.88	US
TANAT	LLANYBLODWEL	SJ25202240	2038	23/08/1996	0.170	0.380	32.84	US
TANAT	LLANYBLODWEL	SJ25202240	2038	18/12/1996	0.429	3.649	315.32	US
TEME	KNIGHTSFORD BDGE	SO73405570	2029	23/02/1996	1.292	21.450	1853.25	US
TEME	KNIGHTSFORD BDGE	SO73505570	2029	19/03/1996	1.246	20.332	1756.68	US
TEME	KNIGHTSFORD BDGE	SO73505570	2029	19/04/1996	1.220	19.193	1658.30	US
TEME	KNIGHTSFORD BDGE	SO73505570	2029	04/07/1996	0.632	2.799	241.88	US
TEME	KNIGHTSFORD BDGE	SO73505570	2029	19/08/1996	0.501	1.800	155.49	US
TEME	KNIGHTSFORD BDGE	SO73505570	2029	02/09/1996	0.504	1.574	136.03	US
TEME	KNIGHTSFORD BDGE	SO73505570	2029	23/09/1996	0.488	1.330	114.82	US
TEME	KNIGHTSFORD BDGE	SO73505570	2029	07/10/1996	0.487	1.328	114.74	US
TEME	KNIGHTSFORD BDGE	SO73505570	2029	29/10/1996	0.670	5.018	433.59	US
TEME	KNIGHTSFORD BDGE	SO73505570	2029	11/11/1996	0.882	8.197	708.21	US
TEME	KNIGHTSFORD BDGE	SO73505570	2029	19/11/1996	0.781	8.141	703.40	US
TEME	KNIGHTSFORD BDGE	SO73505570	2029	09/12/1996	1.081	15.908	1374.31	US
TEME	LEINTWARDINE	SO40307390	2132	04/07/1996	0.337	1.105	95.44	US
TEME	LEINTWARDINE	SO40307390	2132	29/08/1996	0.295	0.428	37.02	US
TEME	TENBURY	SO59706880	2008	17/01/1996	1.181	24.731	2138.79	US
TEME	TENBURY	SO59706880	2008	20/02/1996	1.121	21.437	1852.18	US
TEME	TENBURY	SO59806850	2008	22/03/1996	1.109	20.933	1808.59	US
TEME	TENBURY	SO59806850	2008	17/05/1996	0.689	6.651	574.82	US
TEME	TENBURY	SO59806850	2008	18/07/1996	0.457	2.197	189.82	US
TEME	TENBURY	SO59806850	2008	14/08/1996	0.420	1.598	137.88	US
TEME	TENBURY	SO59806850	2008	23/10/1996	0.411	1.348	118.29	US
TEME	TENBURY	SO59806850	2008	30/10/1996	0.578	4.475	388.87	US
TEME	TENBURY	SO59806850	2008	06/11/1996	0.965	16.337	1411.53	US
TEME	TENBURY	SO59806850	2008	21/11/1996	0.882	12.238	1067.22	US
TEME	TENBURY	SO59806850	2008	04/12/1996	1.273	28.135	2430.91	US
TEME	TENBURY	SO59806850	2008	17/12/1996	0.879	7.849	678.14	US
TERN	EATON ON TERN	SJ84902320	2041	13/02/1996	0.454	3.226	278.70	US
TERN	EATON ON TERN	SJ84902320	2041	21/03/1996	0.248	1.375	118.83	US
TERN	EATON ON TERN	SJ84902320	2041	12/04/1996	0.201	1.068	92.28	US
TERN	EATON ON TERN	SJ84902320	2041	18/08/1996	0.150	0.551	47.59	US
TERN	EATON ON TERN	SJ84902300	2041	17/07/1996	0.130	0.619	53.48	US
TERN	TERNHILL	SJ83153144	2044	05/02/1996	0.172	0.832	54.82	US
TERN	TERNHILL	SJ82903180	2044	11/04/1996	0.170	0.514	44.40	US
TERN	TERNHILL	SJ82903180	2044	17/05/1996	0.143	0.477	41.17	US
TERN	TERNHILL	SJ82903180	2044	24/07/1996	0.120	0.368	31.83	US
TERN	WALCOT	SJ59201230	2012	07/02/1996	0.417	3.177	274.50	US
TERN	WALCOT	SJ59201230	2012	08/02/1996	0.452	4.212	363.90	US
TERN	WALCOT	SJ59201230	2012	13/02/1996	0.875	14.286	1234.31	US
TERN	WALCOT	SJ59201230	2012	30/05/1996	0.428	3.623	313.03	US
TERN	WALCOT	SJ59201230	2012	17/07/1996	0.299	1.487	128.71	US
TERN	WALCOT	SJ59201230	2012	29/07/1996	0.289	1.412	122.01	US
TERN	WALCOT	SJ59201230	2012	02/09/1996	0.330	1.898	148.50	US
TERN	WALCOT	SJ59201230	2012	05/09/1996	0.333	1.741	150.40	US
TERN	WALCOT	SJ59201230	2012	30/09/1996	0.370	2.293	198.15	US

Table 11
Current Meter Gaugings for 1996

River name	Location	NGR	Site ref.	Date of Gauging	Mean Stage	Discharge cumecs	Discharge Mld	Area
TERN	WALCOT	SJ58201230	2012	22/10/1996	0.373	2.684	231.87	US
TERN	WALCOT	SJ58201230	2012	04/11/1996	0.507	7.708	685.78	US
TERN	WALCOT	SJ58201230	2012	04/11/1996	0.507	7.846	680.80	US
TERN	WALCOT	SJ58201230	2012	13/11/1996	0.384	2.508	218.52	US
TERN	WALCOT	SJ58201230	2012	04/12/1996	0.588	7.582	655.12	US
TERN	WALCOT	SJ58201230	2012	04/12/1996	0.580	7.444	643.14	US
TERN	WALCOT	SJ58201230	2012	05/12/1996	0.576	7.009	605.54	US
TERN	WALCOT	SJ58201230	2012	05/12/1996	0.577	7.513	649.13	US
TERN	WALCOT	SJ58201230	2012	05/12/1996	0.583	7.449	643.58	US
TORNE	AUCKLEY	SK84700140	4050	10/01/1996	0.308	0.889	75.08	LT
TORNE	AUCKLEY	SK84700140	4050	28/03/1996	0.284	0.568	49.04	LT
TORNE	AUCKLEY	SK84700140	4050	02/05/1996	0.255	0.553	47.81	LT
TORNE	AUCKLEY	SK84700140	4050	08/08/1996	0.208	0.323	27.90	LT
TORNE	AUCKLEY	SK84700140	4050	03/07/1996	0.213	0.343	29.68	LT
TORNE	AUCKLEY	SK84700140	4050	28/07/1996	0.155	0.183	13.77	LT
TORNE	AUCKLEY	SK84700140	4050	10/08/1996	0.202	0.337	29.12	LT
TORNE	AUCKLEY	SK84700140	4050	22/10/1996	0.218	0.352	32.08	LT
TORNE	AUCKLEY	SK84700140	4050	21/11/1996	0.347	1.147	99.12	LT
TORNE	AUCKLEY	SK84700140	4050	05/12/1996	0.273	0.674	58.28	LT
TORNE	AUCKLEY	SK84700140	4050	12/12/1996	0.227	0.452	39.03	LT
TRENT	COLWICK	SK82003990	4009	18/01/1996	1.197	53.806	4848.82	LT
TRENT	COLWICK	SK82003990	4009	20/02/1996	1.826	124.351	10743.60	LT
TRENT	COLWICK	SK82003990	4009	18/03/1996	1.155	45.904	3988.15	LT
TRENT	COLWICK	SK82003990	4009	15/04/1996	1.123	42.870	3703.09	LT
TRENT	COLWICK	SK82003990	4009	15/05/1996	1.010	28.981	2503.94	LT
TRENT	COLWICK	SK82003990	4009	24/05/1996	1.180	50.983	4403.23	LT
TRENT	COLWICK	SK82003990	4009	19/08/1996	0.953	24.091	2081.43	LT
TRENT	COLWICK	SK82003990	4009	25/08/1996	0.938	23.520	2032.09	LT
TRENT	COLWICK	SK82003990	4009	08/10/1996	0.940	22.418	1938.88	LT
TRENT	COLWICK	SK82003990	4009	15/11/1996	1.041	32.915	2843.81	LT
TRENT	COLWICK	SK82003990	4009	05/12/1996	1.982	142.739	12332.82	LT
TRENT	COLWICK	SK82003990	4009	09/12/1996	1.317	65.588	5698.79	LT
TRENT	COLWICK	SK82003990	4009	31/12/1996	1.163	51.406	4448.88	LT
TRENT	DARLASTON	SJ88543544	4083	15/01/1996	0.851	2.778	240.05	UT
TRENT	DARLASTON	SJ88543544	4083	15/02/1996	0.894	3.628	313.50	UT
TRENT	DARLASTON	SJ88543544	4083	13/03/1996	0.875	3.549	308.59	UT
TRENT	DARLASTON	SJ88543544	4083	19/04/1996	0.815	2.394	208.85	UT
TRENT	DARLASTON	SJ88543544	4083	20/05/1996	0.923	3.327	287.42	UT
TRENT	DARLASTON	SJ88543544	4083	17/08/1996	0.798	1.420	122.88	UT
TRENT	DARLASTON	SJ88543544	4083	18/07/1996	0.882	1.210	104.55	UT
TRENT	DARLASTON	SJ88543544	4083	14/08/1996	0.909	1.528	132.02	UT
TRENT	DARLASTON	SJ88543544	4083	23/09/1996	0.901	1.505	130.02	UT
TRENT	DARLASTON	SJ88543544	4083	19/10/1996	0.780	2.476	213.94	UT
TRENT	DARLASTON	SJ88543544	4083	05/11/1996	1.030	3.375	291.59	UT
TRENT	DARLASTON	SJ88543544	4083	20/11/1996	1.490	8.009	778.39	UT
TRENT	DARLASTON	SJ88543544	4083	08/12/1996	0.889	2.508	216.52	UT
TRENT	DRAKELOW	SK23902040	4019	09/01/1996	1.609	73.812	6377.38	UT
TRENT	DRAKELOW	SK23902040	4019	05/02/1996	1.273	20.789	1794.48	UT
TRENT	DRAKELOW	SK23902040	4019	13/02/1996	2.049	94.348	8151.70	UT
TRENT	DRAKELOW	SK23902040	4019	28/02/1996	1.880	64.631	5584.13	UT
TRENT	DRAKELOW	SK23902040	4019	13/03/1996	1.284	38.423	3148.88	UT
TRENT	DRAKELOW	SK23902040	4019	10/04/1996	1.028	19.983	1728.57	UT
TRENT	DRAKELOW	SK23902040	4019	08/05/1996	1.040	17.708	1529.82	UT
TRENT	DRAKELOW	SK23902040	4019	14/06/1996	1.051	18.904	1490.55	UT
TRENT	DRAKELOW	SK23902040	4019	05/07/1996	1.087	17.352	1499.20	UT
TRENT	DRAKELOW	SK23902040	4019	09/08/1996	1.088	18.585	1603.97	UT
TRENT	DRAKELOW	SK23902040	4019	25/09/1996	0.981	14.824	1280.78	UT
TRENT	DRAKELOW	SK23902040	4019	10/10/1996	1.003	15.881	1354.82	UT
TRENT	DRAKELOW	SK23902040	4019	02/11/1996	1.090	21.774	1881.29	UT
TRENT	DRAKELOW	SK23902040	4019	01/12/1996	1.283	34.300	2883.58	UT
TRENT	GREAT HAYWOOD	SJ88035230	4008	18/07/1996	0.834	2.111	182.39	UT
TRENT	NORTH MUSKHAM	SK80508080	4022	17/01/1996	0.989	61.587	5321.88	LT
TRENT	NORTH MUSKHAM	SK80508080	4022	15/02/1996	1.259	128.580	11107.57	LT
TRENT	NORTH MUSKHAM	SK80508080	4022	21/03/1996	0.924	54.978	4750.09	LT
TRENT	NORTH MUSKHAM	SK80508080	4022	21/03/1996	0.924	55.452	4791.04	LT
TRENT	NORTH MUSKHAM	SK80508080	4022	01/04/1996	0.892	49.574	4283.19	LT
TRENT	NORTH MUSKHAM	SK80508080	4022	11/04/1996	0.852	38.938	3384.07	LT
TRENT	NORTH MUSKHAM	SK80508080	4022	09/05/1996	0.816	33.320	2878.84	LT
TRENT	NORTH MUSKHAM	SK80508080	4022	17/05/1996	0.811	29.542	2552.44	LT
TRENT	NORTH MUSKHAM	SK80508080	4022	17/05/1996	0.810	28.735	2482.67	LT
TRENT	NORTH MUSKHAM	SK80508080	4022	10/06/1996	0.831	37.203	3214.38	LT
TRENT	NORTH MUSKHAM	SK80508080	4022	24/06/1996	0.780	25.729	2223.01	LT
TRENT	NORTH MUSKHAM	SK80508080	4022	04/07/1996	0.831	35.484	3085.78	LT
TRENT	NORTH MUSKHAM	SK80508080	4022	23/07/1996	0.740	21.878	1890.13	LT
TRENT	NORTH MUSKHAM	SK80508080	4022	16/08/1996	0.788	25.302	2188.10	LT
TRENT	NORTH MUSKHAM	SK80508080	4022	22/08/1996	0.780	22.499	1943.88	LT

Table 11
Current Meter Gaugings for 1996

River name	Location	NGR	Site ref.	Date of Gauging	Mean Stage	Discharge cumecs	Discharge Mid	Area
TRENT	NORTH MUSKHAM	SK80508080	4022	18/09/1996	0.750	17.984	1553.84	LT
TRENT	NORTH MUSKHAM	SK80508080	4022	17/10/1996	0.778	25.855	2233.88	LT
TRENT	NORTH MUSKHAM	SK80508080	4022	22/11/1996	1.088	78.728	6829.09	LT
TRENT	NORTH MUSKHAM	SK80508080	4022	31/12/1996	0.909	47.043	4084.54	LT
TRENT	SHARDLOW	SK44802990	4007	30/01/1996	0.528	23.319	2014.77	LT
TRENT	SHARDLOW	SK44802990	4007	17/04/1996	0.543	27.504	2378.38	LT
TRENT	SHARDLOW	SK44802990	4007	20/08/1996	0.397	15.439	1333.89	LT
TRENT	SHARDLOW	SK44802990	4007	20/08/1996	0.391	15.083	1301.43	LT
TRENT	SHARDLOW	SK44802990	4007	15/08/1996	0.442	15.362	1329.84	LT
TRENT	SHARDLOW	SK44802990	4007	15/08/1996	0.443	15.830	1350.39	LT
TRENT	SHARDLOW	SK44802990	4007	08/09/1996	0.488	15.115	1305.93	LT
TRENT	SHARDLOW	SK44802990	4007	08/09/1996	0.488	14.733	1272.94	LT
TRENT	SHARDLOW	SK44802990	4007	14/11/1996	0.485	19.287	1684.83	LT
TRENT	STOKE	8J88244885	4040	18/01/1996	0.088	0.208	17.79	UT
TRENT	STOKE	8J88244885	4040	28/02/1996	0.137	0.410	36.24	UT
TRENT	STOKE	8J88244885	4040	15/04/1996	0.074	0.183	14.07	UT
TRENT	STOKE	8J88244885	4040	29/04/1996	0.073	0.198	18.93	UT
TRENT	STOKE	8J88244885	4040	21/05/1996	0.107	0.275	23.80	UT
TRENT	STOKE	8J88244885	4040	04/07/1996	0.072	0.137	11.85	UT
TRENT	STOKE	8J88244885	4040	18/07/1996	0.052	0.083	7.21	UT
TRENT	STOKE	8J88244885	4040	20/11/1996	0.310	1.519	131.25	UT
TRENT	STOKE	8J88244885	4040	08/12/1996	0.132	0.383	33.08	UT
TRENT	YOXALL	SK13231772	4012	10/01/1996	0.888	17.091	1478.70	UT
TRENT	YOXALL	SK13231772	4012	15/01/1996	0.582	9.487	817.91	UT
TRENT	YOXALL	SK13231772	4012	30/01/1996	0.420	6.017	518.88	UT
TRENT	YOXALL	SK13231772	4012	05/02/1996	0.415	6.830	580.11	UT
TRENT	YOXALL	SK13231772	4012	13/02/1996	1.207	27.362	2384.08	UT
TRENT	YOXALL	SK13231772	4012	19/02/1996	1.085	23.301	2013.22	UT
TRENT	YOXALL	SK13231772	4012	22/03/1996	0.559	9.442	815.77	UT
TRENT	YOXALL	SK13231772	4012	10/04/1996	0.443	8.201	635.78	UT
TRENT	YOXALL	SK13231772	4012	23/04/1996	0.630	9.156	791.05	UT
TRENT	YOXALL	SK13231772	4012	10/05/1996	0.480	5.827	488.13	UT
TRENT	YOXALL	SK13231772	4012	08/06/1996	0.600	4.228	365.14	UT
TRENT	YOXALL	SK13231772	4012	04/07/1996	0.888	5.848	487.97	UT
TRENT	YOXALL	SK13231772	4012	18/07/1996	0.878	3.351	282.10	UT
TRENT	YOXALL	SK13231772	4012	27/08/1996	0.888	7.818	658.18	UT
TRENT	YOXALL	SK13231772	4012	20/09/1996	0.589	3.838	331.47	UT
TRENT	YOXALL	SK13231772	4012	24/09/1996	0.591	3.778	328.38	UT
TRENT	YOXALL	SK13231772	4012	19/10/1996	0.740	8.370	650.39	UT
TRENT	YOXALL	SK13231772	4012	05/11/1996	0.883	8.593	589.81	UT
TRENT	YOXALL	SK13231772	4012	20/11/1996	0.828	13.592	1174.32	UT
TRENT	YOXALL	SK13231772	4012	01/12/1996	0.899	13.581	1173.41	UT
TRUSSELL BK	ACTON TRUSSELL	8J83991759	4851	29/01/1996	0.188	0.022	1.87	UT
TRUSSELL BK	ACTON TRUSSELL	8J83991759	4851	28/03/1996	0.181	0.020	1.72	UT
TRUSSELL BK	ACTON TRUSSELL	8J83991759	4851	20/05/1996	0.158	0.017	1.43	UT
TRUSSELL BK	ACTON TRUSSELL	8J83991759	4851	05/07/1996	0.142	0.021	1.85	UT
TRUSSELL BK	ACTON TRUSSELL	8J83991759	4851	03/09/1996	0.140	0.012	1.08	UT
TRUSSELL BK	ACTON TRUSSELL	8J83991759	4851	30/11/1996	0.182	0.032	2.78	UT
VYRNWY	LLANYMYNECH	8J25201980	2028	12/02/1996	3.694	145.200	12543.31	US
VYRNWY	LLANYMYNECH	8J25201980	2028	28/03/1996	1.778	27.287	2387.56	US
VYRNWY	LLANYMYNECH	8J25201980	2028	01/05/1996	1.362	11.361	981.57	US
VYRNWY	LLANYMYNECH	8J25201980	2028	29/07/1996	1.088	5.022	433.88	US
VYRNWY	LLANYMYNECH	8J24701980	2028	21/08/1996	0.987	1.829	140.72	US
VYRNWY	LLANYMYNECH	8J25201980	2028	23/09/1996	0.925	1.311	113.24	US
VYRNWY	MEIFOD	8J15701280	2078	24/09/1996	0.627	0.713	61.82	US
VYRNWY	VYRNWY WEIR	8J02101905	2003	20/05/1996	0.088	0.324	28.02	US
VYRNWY	VYRNWY WEIR	8J02101905	2003	21/08/1996	0.087	0.502	43.40	US
WORFE	BURCOTE	8J74709530	2024	15/01/1996	0.729	1.118	98.58	US
WORFE	BURCOTE	8J74709530	2024	30/08/1996	0.087	0.243	21.04	US
WORFE	BURCOTE	8J74709530	2024	18/10/1996	0.110	0.373	32.20	US
WORFE	BURCOTE	8J74709530	2024	13/12/1996	0.130	0.448	38.73	US
WORFE	BURCOTE	8J74709530	2024	13/12/1996	0.130	0.448	38.73	US
WREAKE	FRISBY	SK68801810	4873	23/02/1996	0.830	3.188	273.75	LT
WREAKE	FRISBY	SK68801810	4873	28/03/1996	0.420	0.871	75.28	LT
WREAKE	FRISBY	SK71701920	4873	23/08/1996	0.203	0.178	15.22	LT
WREAKE	FRISBY	SK68801810	4873	29/08/1996	0.245	0.180	15.52	LT
WREAKE	FRISBY	SK68801810	4873	19/09/1996	0.190	0.142	12.29	LT
WREAKE	FRISBY	SK68801810	4873	22/10/1996	0.195	0.132	11.40	LT
WREAKE	FRISBY	SK68801810	4873	11/11/1996	0.192	0.123	10.67	LT
WREAKE	FRISBY	SK68801810	4873	10/12/1996	0.240	0.220	18.02	LT
WREAKE	SYSTON	SK81501240	4024	14/02/1996	1.748	7.004	605.11	LT
WREAKE	SYSTON	SK81501240	4024	11/04/1996	1.483	0.891	78.94	LT
WREAKE	SYSTON	SK81501240	4024	23/04/1996	1.537	1.342	115.89	LT
WREAKE	SYSTON	SK81501240	4024	18/11/1996	1.474	0.684	59.10	LT
WREAKE	SYSTON	SK81501240	4024	18/11/1996	1.473	0.717	61.95	LT
WREAKE	SYSTON	SK81501240	4024	20/11/1996	1.588	2.291	197.98	LT

Table 11
Current Meter Gaugings for 1996

River name	Location	NGR	Site ref.	Date of Gauging	Mean Stage	Discharge cumecs	Discharge Mid	Area
WREAKE	SYSTON	SK61501240	4024	20/11/1996	1.577	1.792	154.79	LT
WYE	ASHFORD	SK18206960	4023	12/01/1996	0.383	2.771	239.45	LT
WYE	ASHFORD	SK18206960	4023	15/02/1996	0.497	4.816	418.07	LT
WYE	ASHFORD	SK18206960	4023	05/06/1996	0.282	1.336	115.46	LT
WYE	ASHFORD	SK18206960	4023	08/08/1996	0.279	1.331	115.02	LT
WYE	ASHFORD	SK18206960	4023	15/07/1996	0.250	1.009	87.14	LT
WYE	ASHFORD	SK18206960	4023	19/07/1996	0.247	1.023	88.40	LT
WYE	ASHFORD	SK18206960	4023	19/09/1996	0.233	0.764	65.96	LT
WYE	ASHFORD	SK18206960	4023	07/10/1996	0.243	0.883	76.27	LT
WYE	ASHFORD	SK18206960	4023	03/12/1996	0.706	9.603	855.58	LT

3. RIVER FLOW DATA

The primary source of information collected at all of the recorder stations is water level, usually via a chart recorder activated by a float within a stilling well. In addition to the chart recorders, solid state TG1150 loggers interfaced to a shaft encoder have been installed at the majority of sites. These loggers store values every 15 minutes and can hold data for up to 30 days in the memory. These 15 minute values are collected daily via the telephone network using the Hydrolog data processing system based at Solihull. There are also a number of temporary sites, where water level data is being collected using portable solid-state loggers; data is transferred by field staff using Psion organisers and then archived using the Hydrolog system at local Area offices. Information on locations at which levels and flows are recorded are given in Table 24 in the Catalogue section.

For those sites where flows are processed, the most common method is for the levels to be converted into flows using a stage-discharge curve. This curve may take the form of a theoretical relationship, derived for a particular type of measurement structure or weir. At open

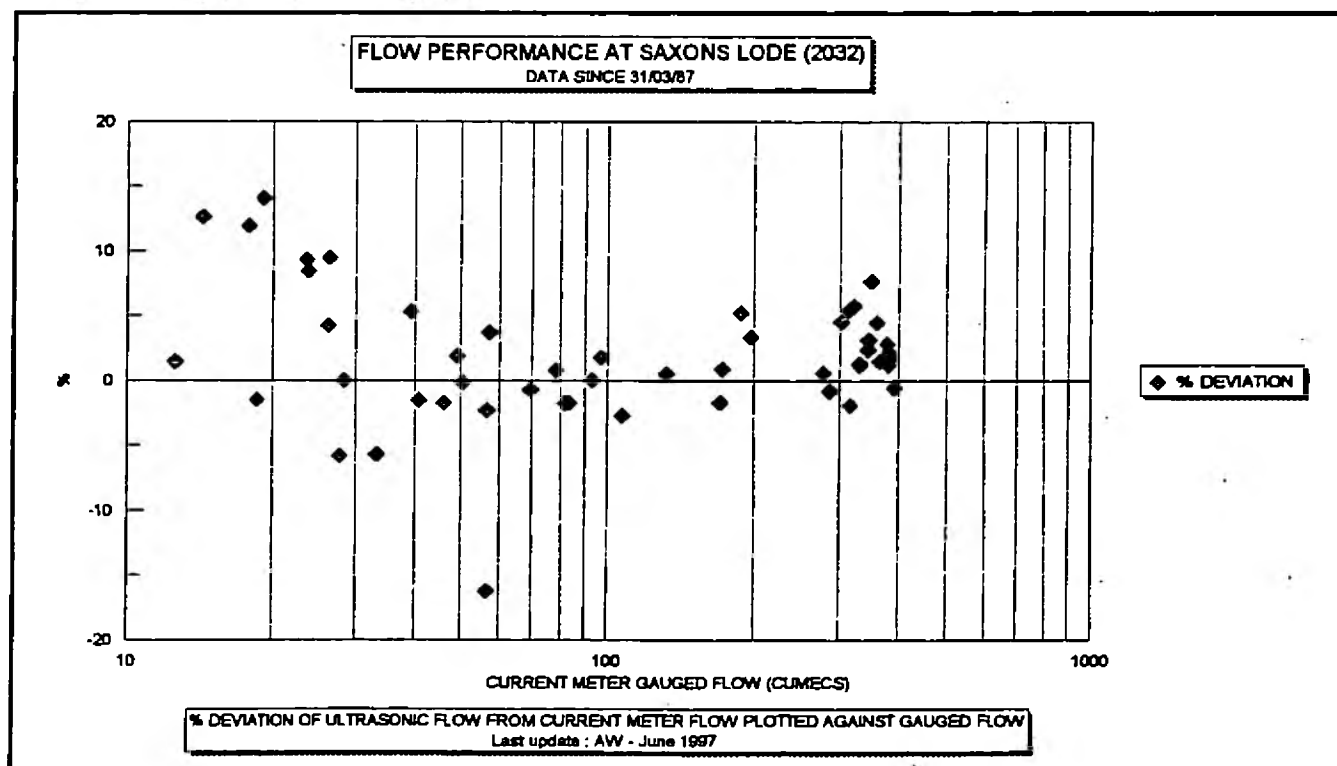
channel sites, where a structure does not exist, the curve is derived purely from a set of current meter gaugings. At both types of site, regular check gaugings by field staff are used to monitor the performance of the curve; this is achieved by plotting recent gaugings against the current stage-discharge curve. If a permanent shift in the rating is detected, then a new curve is derived and flows are recalculated.

At an increasing number of sites, flows are measured directly using electromagnetic or ultrasonic methods. Flow data from these sites are stored within the TG1150 loggers, and collected in a similar manner to water levels. The principles behind these techniques are as follows:

Ultrasonic

Pulses of ultrasound are transmitted diagonally backwards and forwards across the river below water level. By measuring the difference in the times taken for the pulses to travel across the river the velocity component and total flow produced using cross-sectional area, can be calculated.

FIGURE 3



3. RIVER FLOW DATA (continued)

Electromagnetic

An electric current is passed through a multitrans coil buried beneath the river bed. The river, in passing over the coil, generates an electromotive force (emf) which can be measured; the emf is proportional to flow.

The performance of these gauges is routinely monitored, again using check gaugings taken by field staff. By analysing the differences between the flows measured by the gauge and the current meter flows, the accuracy of the gauge across the flow range can be assessed. A graphical example of this monitoring is shown in figure 3 for the ultrasonic flow gauge at Saxons Lode.

Further information on the various types of river level and flow sites used by the Agency are listed in the catalogue section, although it does not currently include temporary logger sites. Producing accurate flow data can be particularly difficult during periods of exceptionally low or high water levels. Some station records are still being reassessed for this reason and must be regarded as provisional. These records have not been included within the tables or graphs in this report.

3.1 Monthly Mean Flows.

Table 12 shows long term monthly mean flows for thirty stations throughout the region. The mean flow for 1996 is also given together with a percentage comparison with the long term average (LTA) taken from the station record. All of the Trent sites have below average annual totals. The Severn sites however had approximately average flows. The first two months of the year were notable for high flows well above the monthly long term averages. Due to the long, dry period there was then a steady decrease in flows throughout the rest of the year.

Whilst the stations chosen are generally the more reliable ones, systematic errors are always greater at flow extremes and the data should be used with care. The figures are presented in megalitres per day (Ml/d), expressed to one decimal place although their accuracy is site dependent. The table has been split into the two main basins of the region, with the sites listed in downcatchment order.

3.2 Annual Hydrographs and Flow Duration Curves.

In order to graphically show the variations in flows that occurred throughout the region during the year, fifteen flow measurement sites have been selected. For each site an annual hydrograph of mean daily flows for 1996 with mean daily minima and maxima has been produced. A flow duration curve for the site is also shown comparing 1996 with the historic flow record. These are shown in Figures 5 to 19.

Most of the catchments shown are affected to varying degrees by river regulation, abstraction and other artificial influences. For example; during 1996 the River Severn was supported by 90 days of river regulation release from Llyn Clywedog, Lake Vyrnwy and the Shropshire Groundwater Scheme. The River Dove to Izaak Walton is virtually natural and the River Rea at Hookagate only slightly less so. The site locations are shown in Figure 4.

The annual hydrographs show the range of flows experienced in 1996. Flows were low in January without any significant storm peaks. The event in mid-February rapidly increased river flows to approach their maximum daily means recorded. From this date until May the hydrographs were characterised by a series of run off events. The long dry summer caused below average flows throughout the period and well into September and October. Although flows increase in November and December as a response to rainfall, they remained below average for the time of year.

Flow duration curves for the year deviate considerably from the long term pattern but are remarkably similar between stations reflecting the consistency of weather patterns over the region. The 1996 curves generally show that flows were dramatically lower than the long term average for the majority of sites. Only those flows normally exceeded more than 99% of the time were above the long term average.

TABLE 12: MONTHLY MEAN FLOWS FOR 1996 COMPARED WITH LONG TERM AVERAGES

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Year
R. Dulas at Rhos-Y-Pentref 1970 to 1996 Station 2025	LTA 1996 % LTA	238.2 190.7 80	195.3 252.6 129	160.0 151.2 95	104.4 106.6 102	55.0 96.6 176	37.0 37.3 101	18.5 5.6 30	38.2 5.4 14	57.5 6.0 10	129.4 112.4 87	201.5 258.4 128	231.2 131.1 57	121.8 112.1 92
R. Tanat at Llanyblodwel 1974 to 1996 Station No. 2038	LTA 1996 % LTA	1032.9 716.3 69	907.3 862.1 85	763.0 557.6 73	499.1 529.2 108	283.9 417.7 147	192.5 168.5 88	107.8 64.9 60	160.1 66.0 41	262.0 57.5 22	530.6 487.7 92	788.7 1180.2 150	1099.4 617.1 56	550.9 474.9 86
R. Perry at Yeaton 1964 to 1996 Station 2020	LTA 1996 % LTA	250.6 97.0 39	235.3 160.6 68	196.5 130.6 66	146.8 139.5 95	111.9 79.0 71	79.4 42.8 54	58.2 29.6 51	56.6 33.4 59	58.1 28.4 49	91.2 37.9 42	142.0 86.7 61	227.6 136.3 60	137.5 83.1 60
Rea Bk. at Hookgate 1963 to 1996 Station No. 2018	LTA 1996 % LTA	297.5 168.8 63	269.5 279.7 104	239.3 211.0 68	151.5 171.2 113	103.8 125.8 121	61.4 49.4 80	47.6 28.7 60	39.1 24.8 63	52.8 18.7 36	90.7 23.6 26	164.5 105.4 64	270.2 157.1 58	148.5 114.7 77
R. Roden at Rodington 1961 to 1996 Station No. 2018	LTA 1996 % LTA	310.6 109.5 35	280.3 176.9 63	236.2 173.4 73	178.0 133.3 75	139.4 80.8 58	89.0 46.5 52	71.5 26.4 37	66.5 27.6 41	67.7 27.6 41	109.3 37.9 35	178.1 77.2 43	279.0 157.1 56	166.7 89.3 54
R. Worfe at Burcote 1970 to 1996 Station No. 2024	LTA 1996 % LTA	166.4 99.3 60	155.8 103.4 66	137.3 85.8 62	120.2 84.6 70	85.0 70.8 83	67.9 38.7 57	47.8 25.1 53	51.3 32.7 64	55.4 26.0 47	69.3 35.8 52	93.4 51.5 55	131.2 60.2 46	88.1 59.4 60
Dowles Bk. at Oak Cottage 1972 to 1996 Station No. 2034	LTA 1996 % LTA	72.2 66.8 93	62.6 53.8 86	52.7 39.8 76	39.0 47.4 121	24.0 23.2 97	17.5 6.6 37	7.0 3.4 48	7.1 4.5 63	10.1 2.9 28	17.1 4.1 24	27.4 11.0 40	59.3 20.0 34	32.9 23.5 71
R. Severn at Bewdley 1922 to 1996 Station No. 2001	LTA 1996 % LTA	9981.4 5098.6 51	8803.0 7085.0 80	6450.5 5426.3 84	4617.2 4437.6 96	3258.8 3204.5 98	2519.6 1438.2 57	1927.4 844.5 44	2361.3 1040.4 44	3092.4 898.8 29	4565.8 2639.3 58	7688.5 7119.7 83	8832.7 5448.7 62	5325.0 3769.2 71
R. Stour at Kidderminster 1954 to 1996 Station No. 2167	LTA 1996 % LTA	321.8 248.1 77	297.3 247.5 83	278.5 196.6 71	247.2 186.5 75	220.4 167.4 76	202.5 130.8 65	187.1 111.5 60	194.6 143.8 74	198.0 100.1 51	215.3 134.2 62	253.0 197.4 78	296.3 194.1 65	242.6 171.2 71
R. Teme at Tenbury 1957 to 1996 Station No. 2008	LTA 1996 % LTA	2531.0 2160.7 85	2179.3 2382.7 109	1806.5 1854.9 103	1272.5 1291.2 101	841.3 869.4 103	511.5 399.3 78	338.6 197.6 58	338.8 155.5 46	495.2 111.9 23	888.3 150.0 17	1429.8 927.6 65	2189.0 1060.4 46	1231.3 958.8 78
R. Avon at Stareton 1963 to 1996 Station No. 2019	LTA 1996 % LTA	400.2 222.4 56	385.4 360.5 94	338.4 176.3 52	236.5 103.0 44	183.1 72.4 44	113.9 48.5 43	84.7 46.3 57	85.2 60.0 70	100.3 43.2 43	145.5 58.8 40	218.8 98.9 45	349.0 107.1 31	217.7 115.8 53
R. Sowe at Stoneleigh 1953 to 1996 Station No. 2004	LTA 1996 % LTA	384.7 288.2 74	364.7 378.1 104	304.7 213.0 70	259.8 201.0 77	218.1 171.7 79	192.4 144.9 75	168.0 146.4 87	171.8 169.4 99	181.5 122.4 67	216.7 158.4 72	274.5 190.0 69	348.4 193.4 55	256.8 197.3 77
R. Avon at Evesham 1963 to 1996 Station No. 2002	LTA 1996 % LTA	2502.6 1712.5 68	2391.8 2183.2 91	1898.3 1058.7 56	1313.9 850.8 65	972.2 621.0 64	748.2 449.5 60	572.1 417.7 73	577.4 468.8 81	608.1 352.1 58	831.4 421.5 51	1499.5 573.6 38	1986.1 683.7 33	1320.0 809.7 61
R. Severn at Haw Bridge 1972 to 1993 Station No. 2057	LTA 1996 % LTA	17859.3 11308.3 63	16050.5 13647.0 85	13057.1 9744.3 75	9118.5 7964.2 87	5473.0 5605.7 102	4360.2 2837.5 65	2694.8 1679.6 62	3275.1 2081.5 64	3933.7 1755.6 45	6578.0 4144.3 63	10354.3 9875.0 95	15325.4 8544.3 56	8976.2 6571.1 73

All Flows in Megalitres per day

Complete years of data only

TABLE 12: MONTHLY MEAN FLOWS FOR 1996 COMPARED WITH LONG TERM AVERAGES

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Year
R. Trent at Stoke	LTA	95.9	76.8	68.2	53.5	33.6	31.8	24.2	33.1	28.5	42.8	70.1	85.2	53.5
1969 to 1996	1996	25.0	59.6	23.1	17.9	18.1	14.9	11.8	21.6	11.6	18.7	70.1	50.1	28.3
Station No. 4040	% LTA	26	78	34	33	54	47	49	65	41	44	100	59	53
R. Tame at Bescot	LTA	276.2	219.5	207.7	241.9	181.5	194.2	179.8	175.5	163.4	181.4	209.9	255.9	208.0
1983 to 1996	1996	181.7	174.5	137.2	129.6	153.8	135.9	95.0	107.3	57.5	89.2	148.5	144.5	129.4
Station No. 4081	% LTA	66	80	66	54	80	70	53	61	35	49	71	56	62
R. Rea at Calthorpe Bk.	LTA	101.0	85.7	80.9	69.1	56.9	55.0	45.6	52.4	52.4	57.4	73.6	94.8	68.7
1968 to 1996	1996	63.7	74.0	40.0	47.7	33.3	27.8	21.1	48.3	18.2	37.2	59.7	58.9	43.7
Station No. 4039	% LTA	63	86	49	69	58	51	46	88	35	65	81	60	64
R. Cole at Coleshill	LTA	131.1	119.2	102.4	80.9	63.0	61.3	45.8	48.1	53.6	64.7	87.0	124.0	81.6
1974 to 1996	1996	95.4	115.5	55.0	58.8	42.5	34.8	23.5	38.4	15.2	34.9	63.2	77.4	54.3
Station No. 4066	% LTA	73	97	54	73	67	56	51	80	28	54	73	62	67
R. Trent at Drakelow	LTA	4842.7	4563.8	3856.8	3132.0	2493.9	2306.0	1923.9	2005.1	1955.7	2265.1	3055.9	3972.7	3024.3
1967 to 1996	1996	2690.4	3159.8	2042.3	1720.8	1559.1	1592.9	1343.6	1524.2	1022.0	1265.8	2127.2	2437.2	1869.5
Station No. 4019	% LTA	56	69	53	55	63	69	70	76	52	56	70	61	62
R. Dove at Izaak Walton	LTA	275.3	262.2	238.1	200.3	135.7	108.1	83.9	80.9	81.5	117.2	181.4	235.7	168.3
1970 to 1996	1996	118.4	199.4	139.3	98.5	79.6	59.5	43.0	39.6	32.2	45.3	165.5	229.0	103.8
Station No. 4048	% LTA	43	76	58	49	59	55	51	49	40	39	91	97	62
R. Manifold at Ilam	LTA	534.4	437.5	415.1	312.2	178.2	152.2	118.6	144.8	146.9	251.8	414.6	481.5	298.3
1969 to 1996	1996	257.9	466.5	202.3	121.7	103.9	69.1	48.9	47.4	36.6	82.5	480.6	405.6	193.1
Station No. 4031	% LTA	48	107	49	39	58	45	42	33	25	37	116	84	65
R. Dove at Marston	LTA	2110.9	1843.8	1559.1	1272.5	915.0	699.6	532.3	561.9	587.8	902.3	1427.0	1824.9	1183.6
1968 to 1996	1996	841.4	1465.3	780.3	565.8	487.3	329.9	259.4	253.6	214.7	323.6	1272.2	1238.9	664.1
Station No. 4018	% LTA	40	79	50	44	51	47	49	45	37	36	89	68	56
R. Dove at Matlock	LTA	1909.1	1636.3	1539.4	1228.0	805.4	606.9	493.8	463.6	573.7	821.5	1239.4	1800.0	1090.9
1959 to 1996	1996	681.7	1307.2	732.6	489.5	405.1	313.4	254.9	238.5	213.8	277.8	1122.0	1948.4	663.3
Station No. 4011	% LTA	36	80	48	40	50	52	52	51	37	34	91	108	61
R. Amber at Wingfield Park	LTA	212.6	209.9	184.5	128.0	81.6	73.9	51.5	50.2	52.3	81.7	116.8	194.7	117.7
1972 to 1996	1996	101.4	174.8	102.3	83.2	53.8	45.6	38.7	42.1	34.8	43.5	118.1	185.8	83.4
Station No. 4048	% LTA	48	83	62	49	66	62	75	84	66	53	101	95	71
R. Derwent at Derby St. Mary	LTA	2545.2	2377.6	1960.5	1563.4	1061.3	843.1	713.4	707.6	849.4	1097.0	1760.1	2223.6	1470.8
1936 to 1996	1996	834.2	1558.0	756.7	551.8	461.4	391.1	360.6	378.0	364.3	396.4	1252.1	2235.1	792.4
Station No. 4085	% LTA	33	65	39	35	43	46	51	53	43	36	71	101	54
R. Soar at Littlethorpe	LTA	232.3	218.5	184.9	125.1	77.6	75.1	45.2	50.0	52.0	85.0	114.5	205.3	121.8
1972 to 1996	1996	141.7	223.2	90.7	59.9	44.3	27.1	21.9	30.6	17.8	28.8	57.4	70.1	67.2
Station No. 4082	% LTA	61	102	49	48	57	36	48	61	34	34	50	34	55
R. Sence at South Wigston	LTA	172.8	184.7	131.3	82.6	53.5	49.3	29.0	33.7	34.3	59.1	82.9	142.3	86.8
1972 to 1996	1996	91.8	142.6	61.1	31.8	20.3	14.2	14.1	17.8	12.6	15.5	27.7	31.9	39.7
Station No. 4086	% LTA	53	87	47	34	38	29	49	53	37	26	33	22	46
R. Wreak at Syston	LTA	500.4	514.2	359.5	263.4	162.6	95.9	84.1	71.6	90.5	145.0	213.4	390.5	239.8
1968 to 1996	1996	245.8	463.4	173.5	73.2	43.0	32.0	29.7	29.3	27.0	35.9	74.6	113.8	110.5
Station No. 4024	% LTA	49	90	48	28	26	33	35	41	30	25	35	29	46
Rothley Bk. at Rothley	LTA	116.6	121.1	100.3	74.9	47.3	39.3	25.6	25.6	31.2	49.1	62.4	97.8	65.7
1974 to 1996	1996	65.1	112.7	50.5	31.2	17.9	11.1	8.6	15.5	10.0	13.9	35.0	46.0	34.5
Station No. 4056	% LTA	56	93	50	42	38	28	34	60	32	28	56	47	53
R. Trent at Colwick	LTA	12247	11153	9341.6	7803.8	5753.1	4588.3	3741.9	3821.2	4165.6	5389.8	7616.7	10810	7185.8
1959 to 1996	1996	5744.3	8384.0	4643.7	3579.3	3170.4	2547.4	2232.8	2530.1	2163.4	2601.2	5462.5	7550.1	4203.2
Station No. 4009	% LTA	47	75	50	46	55	56	60	66	52	48	72	70	58

All Flows in Megalitres per day

Complete years of data only

FIGURE 4

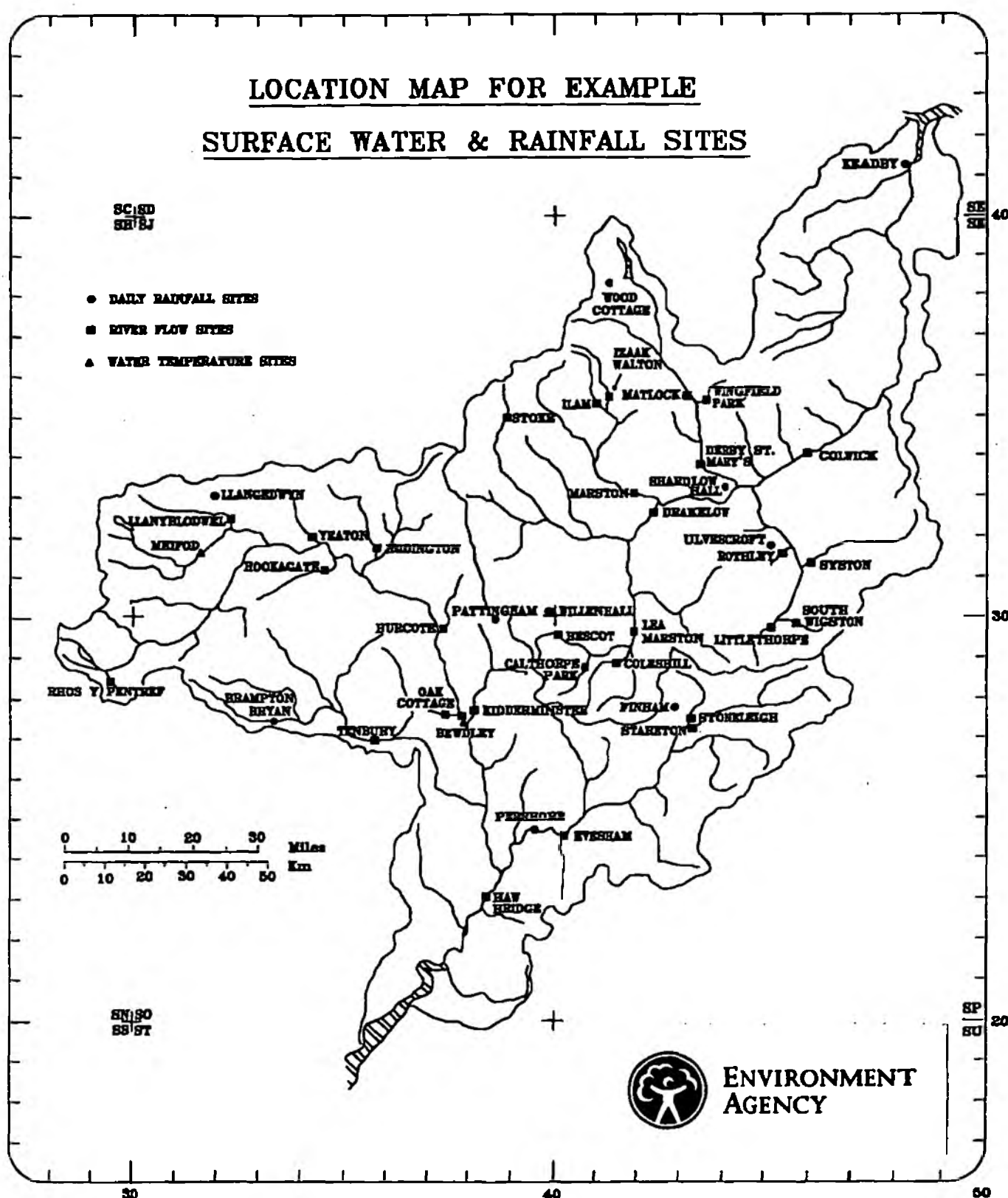
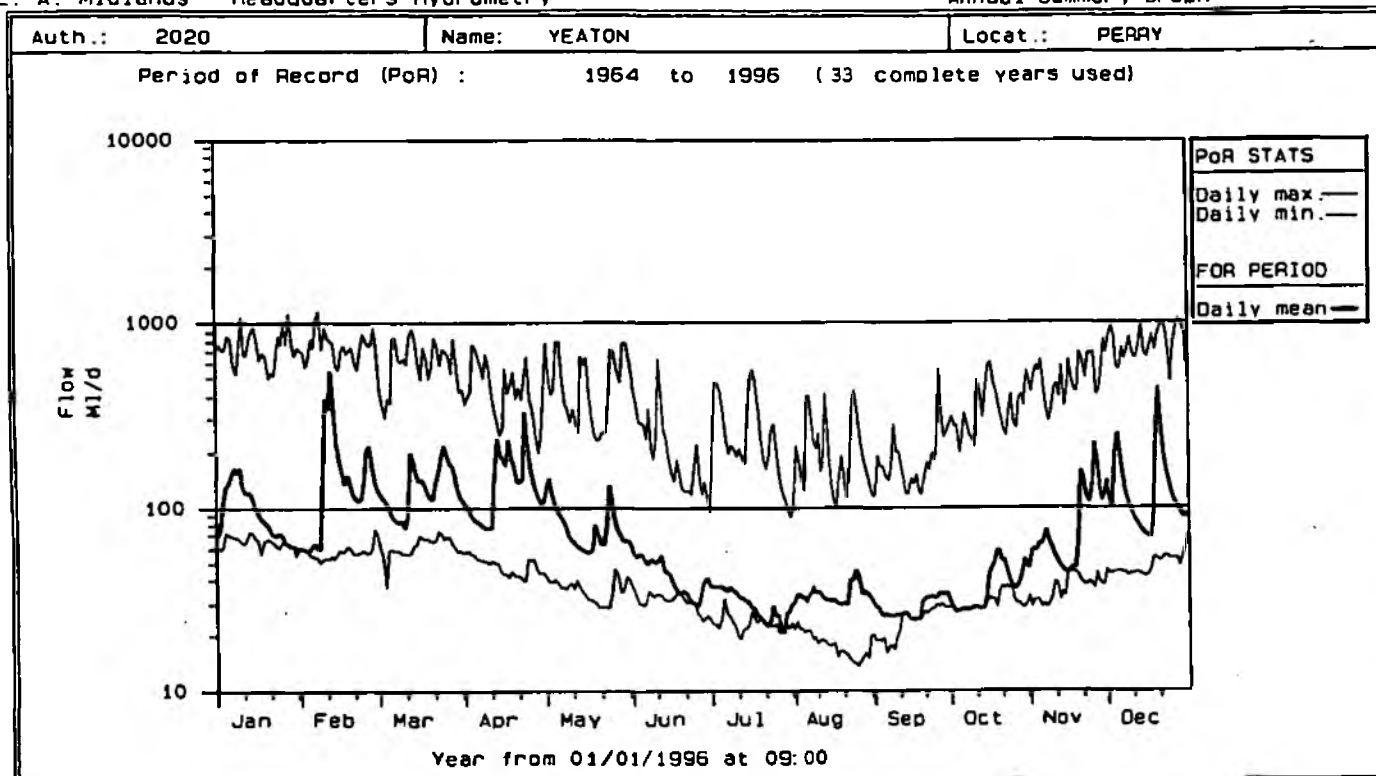


FIGURE 5

E. A. Midlands - Headquarters Hydrometry

Annual Summary Graph



E. A. Midlands - Headquarters Hydrometry

Duration/Frequency Graph

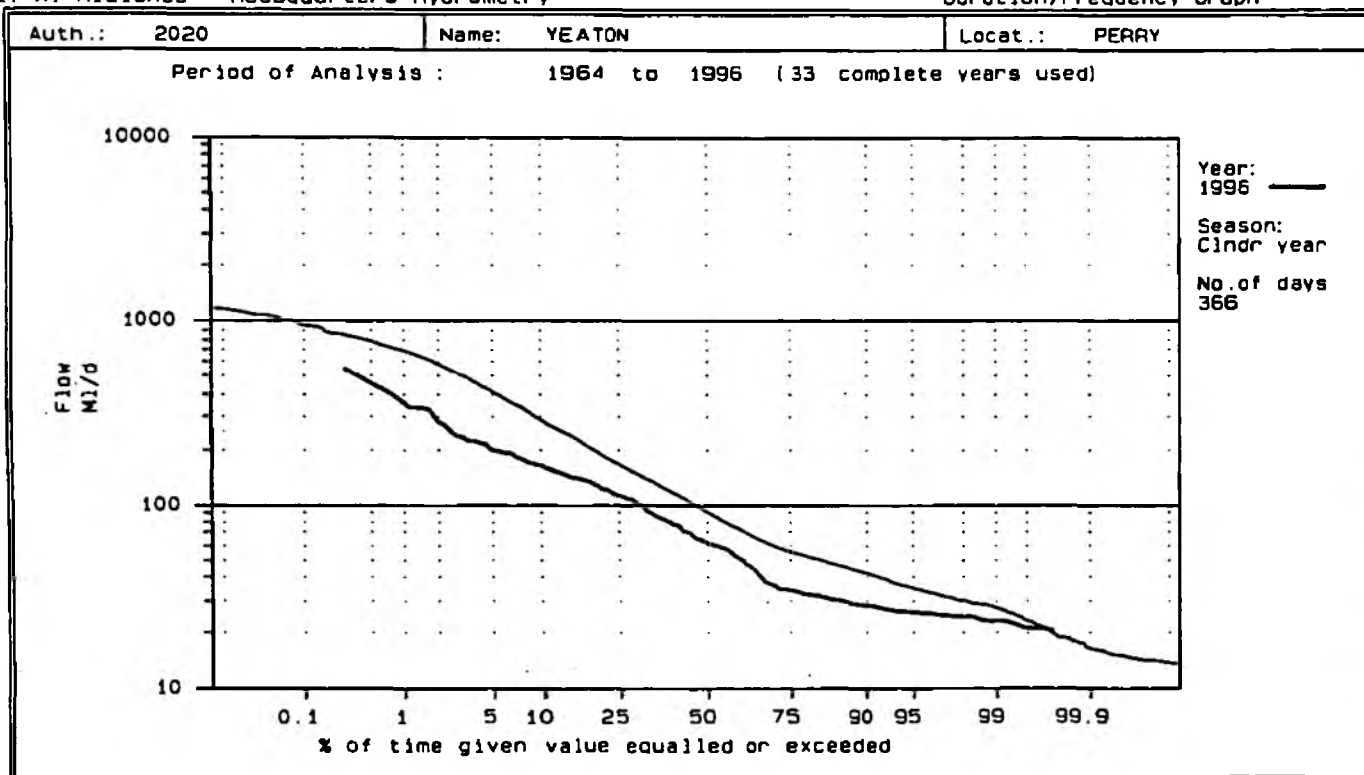


FIGURE 6

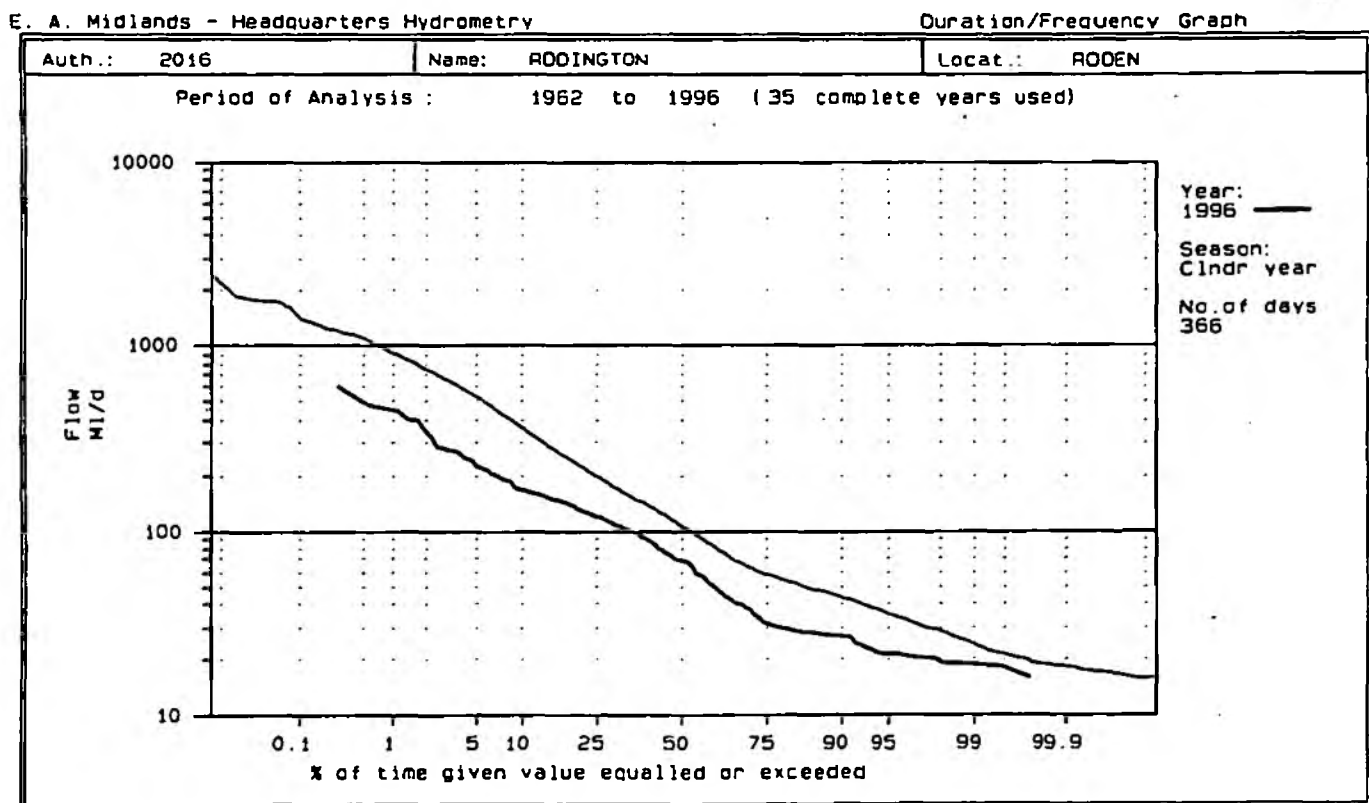
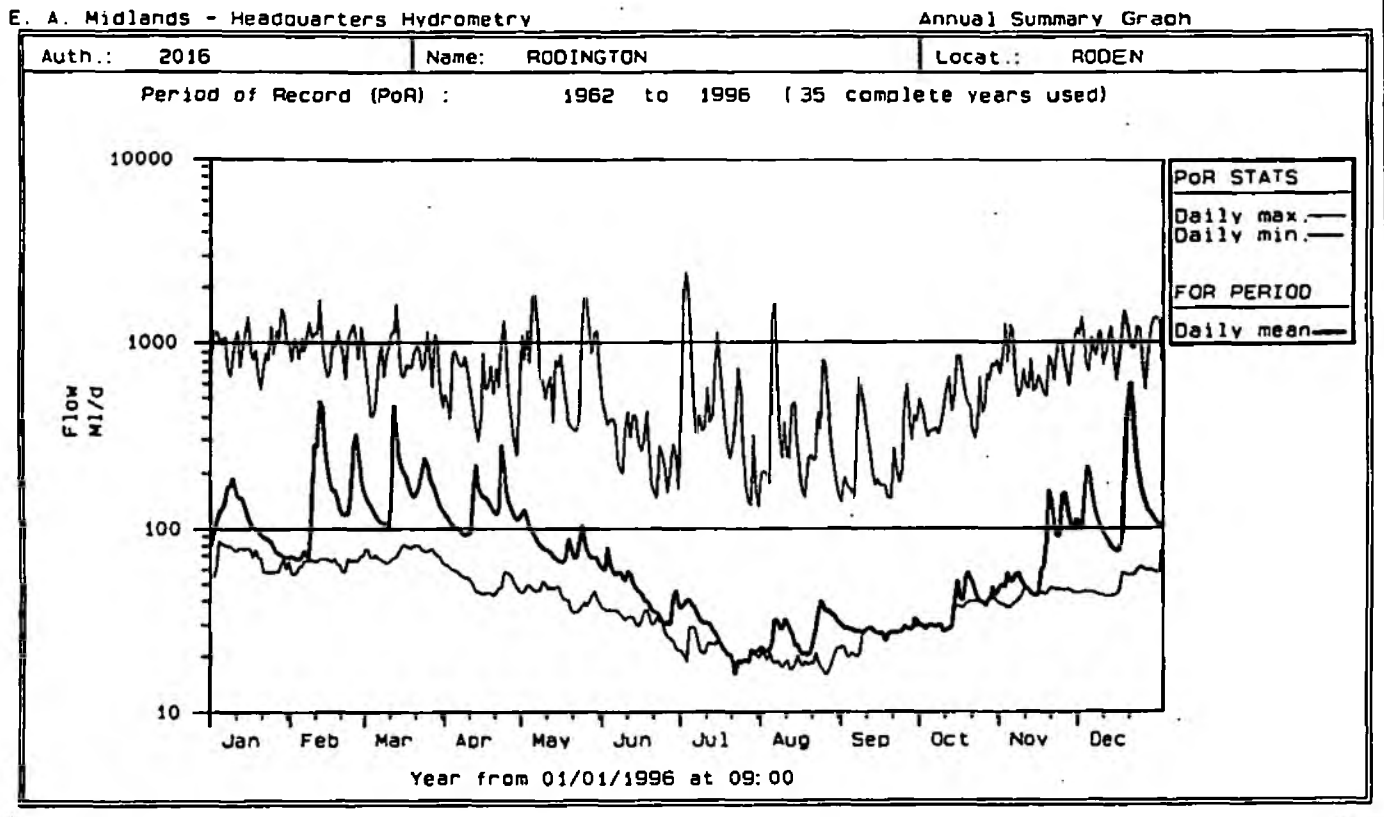
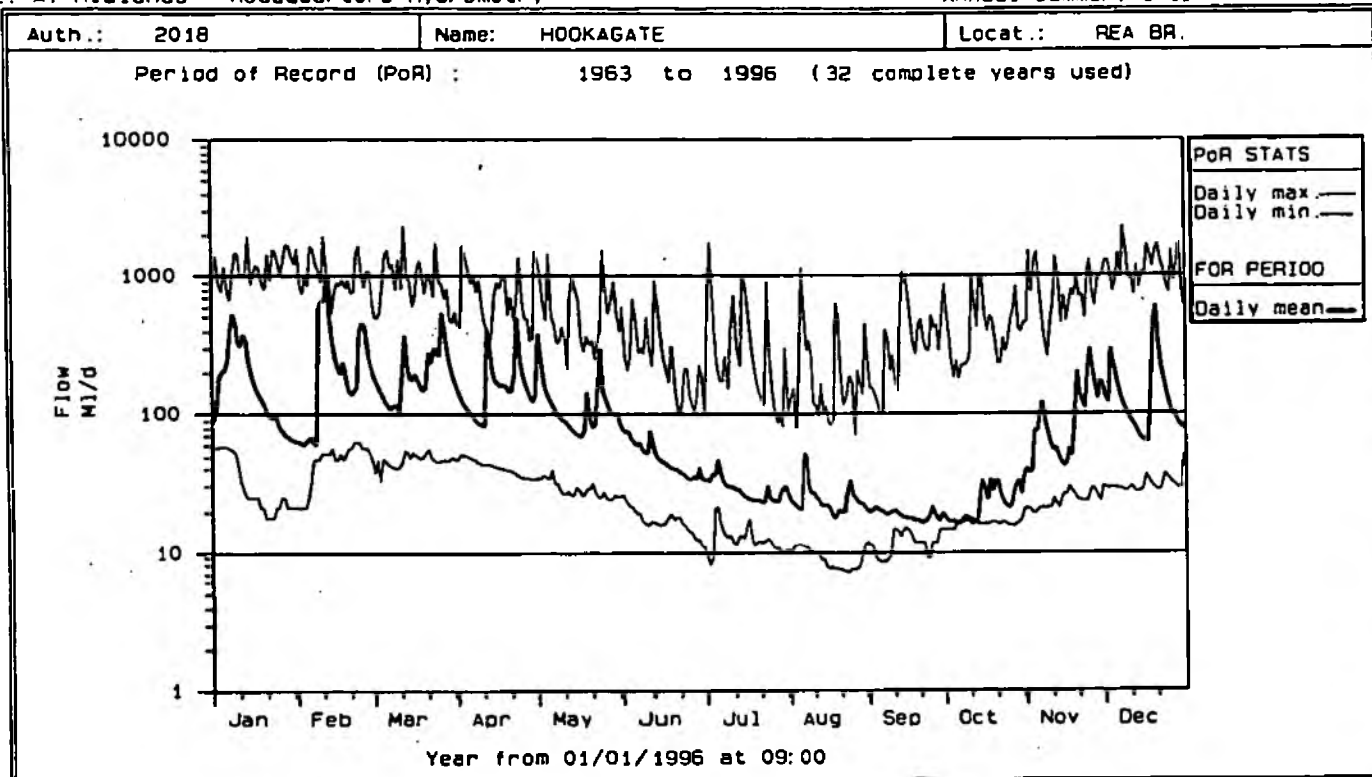


FIGURE 7

E. A. Midlands - Headquarters Hydrometry

Annual Summary Graph



E. A. Midlands - Headquarters Hydrometry

Duration/Frequency Graph

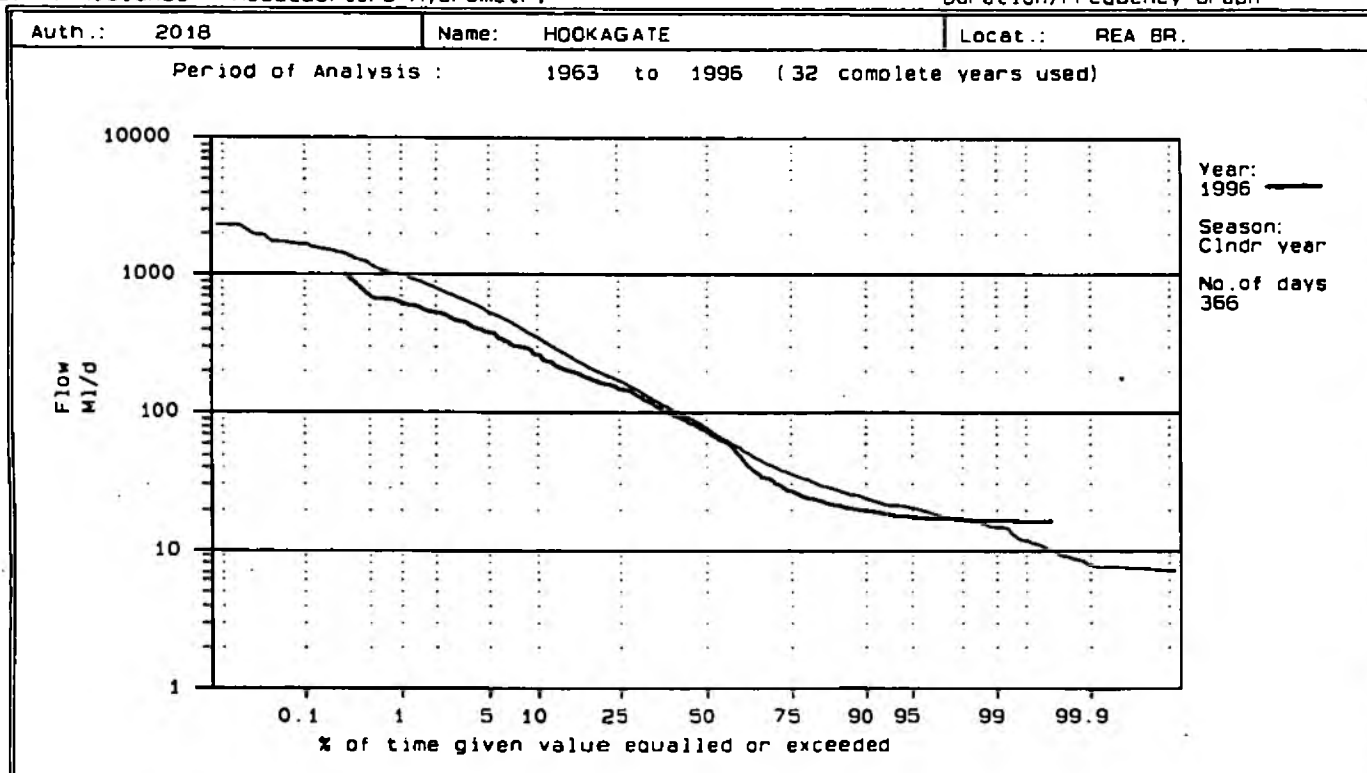
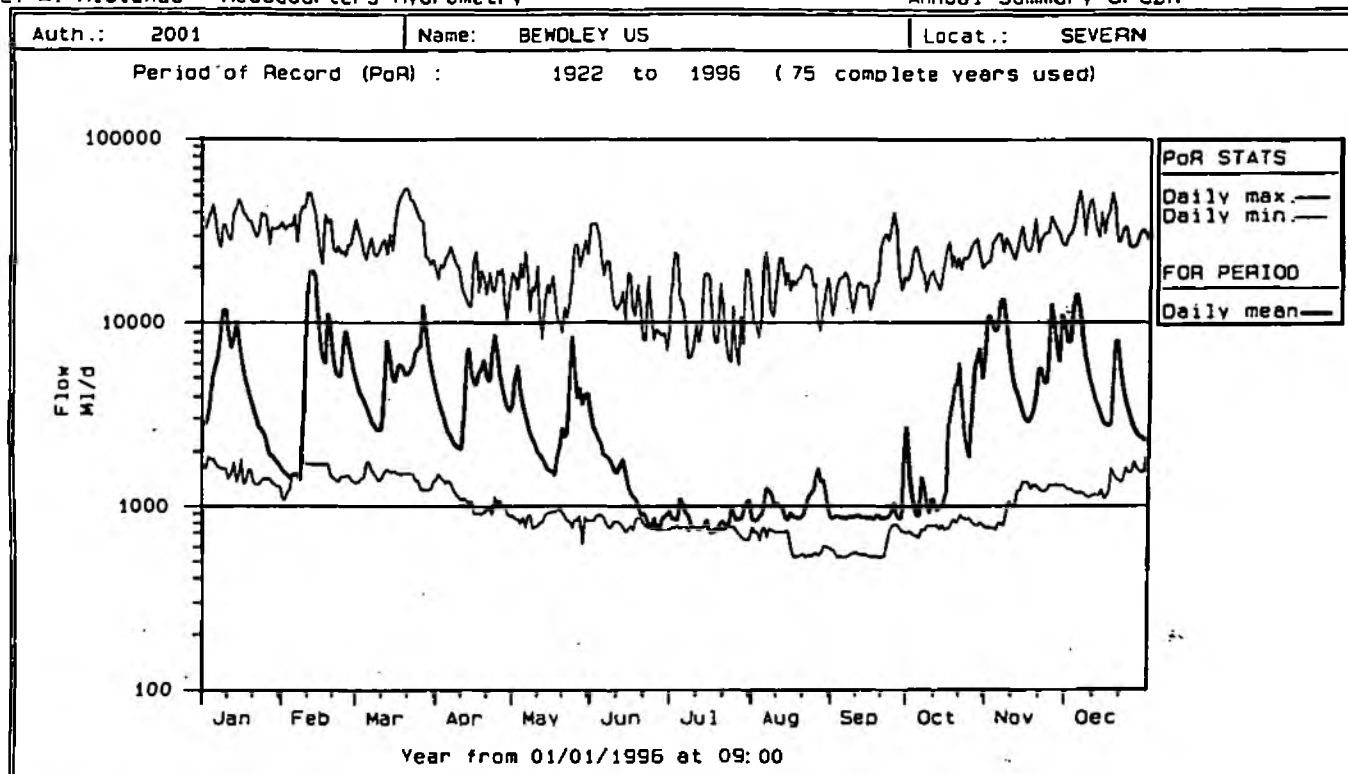


FIGURE 8

E. A. Midlands - Headquarters Hydrometry

Annual Summary Graph



E. A. Midlands - Headquarters Hydrometry

Duration/Frequency Graph

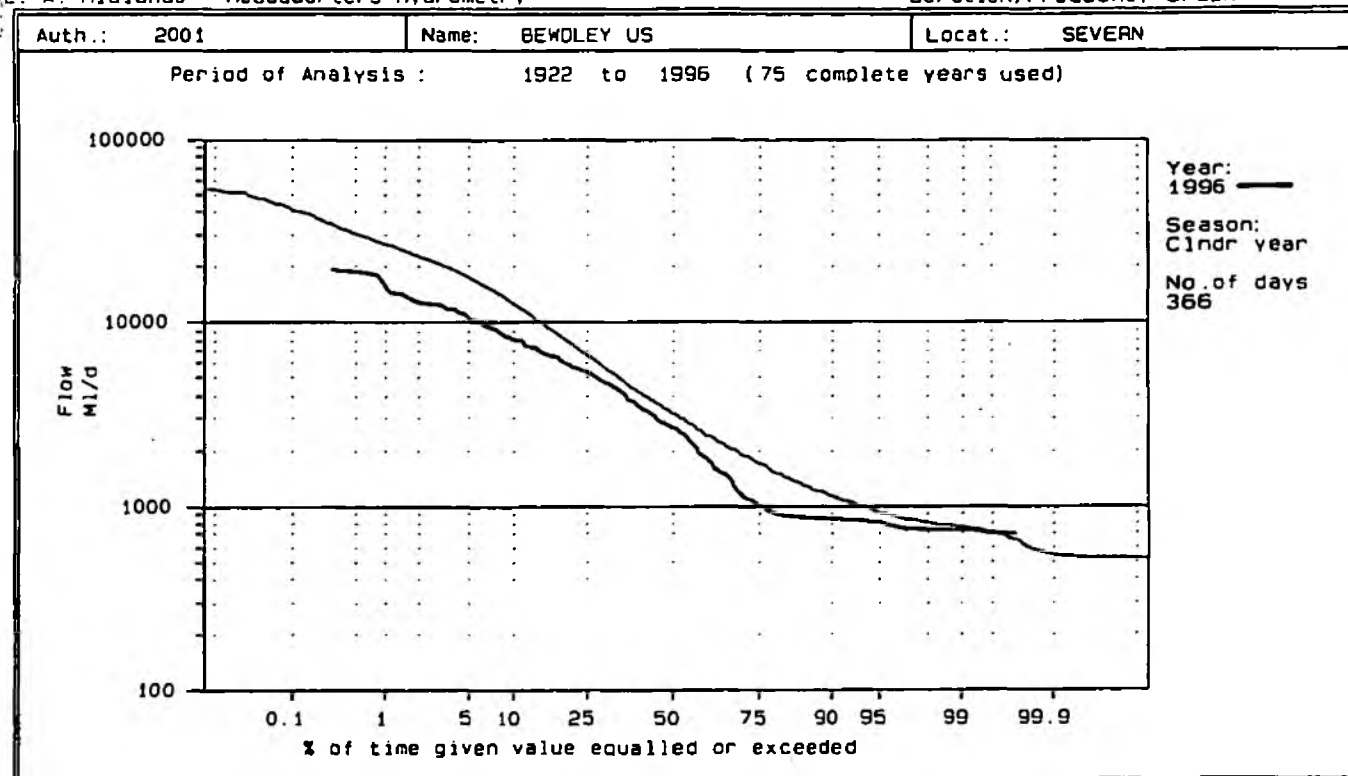
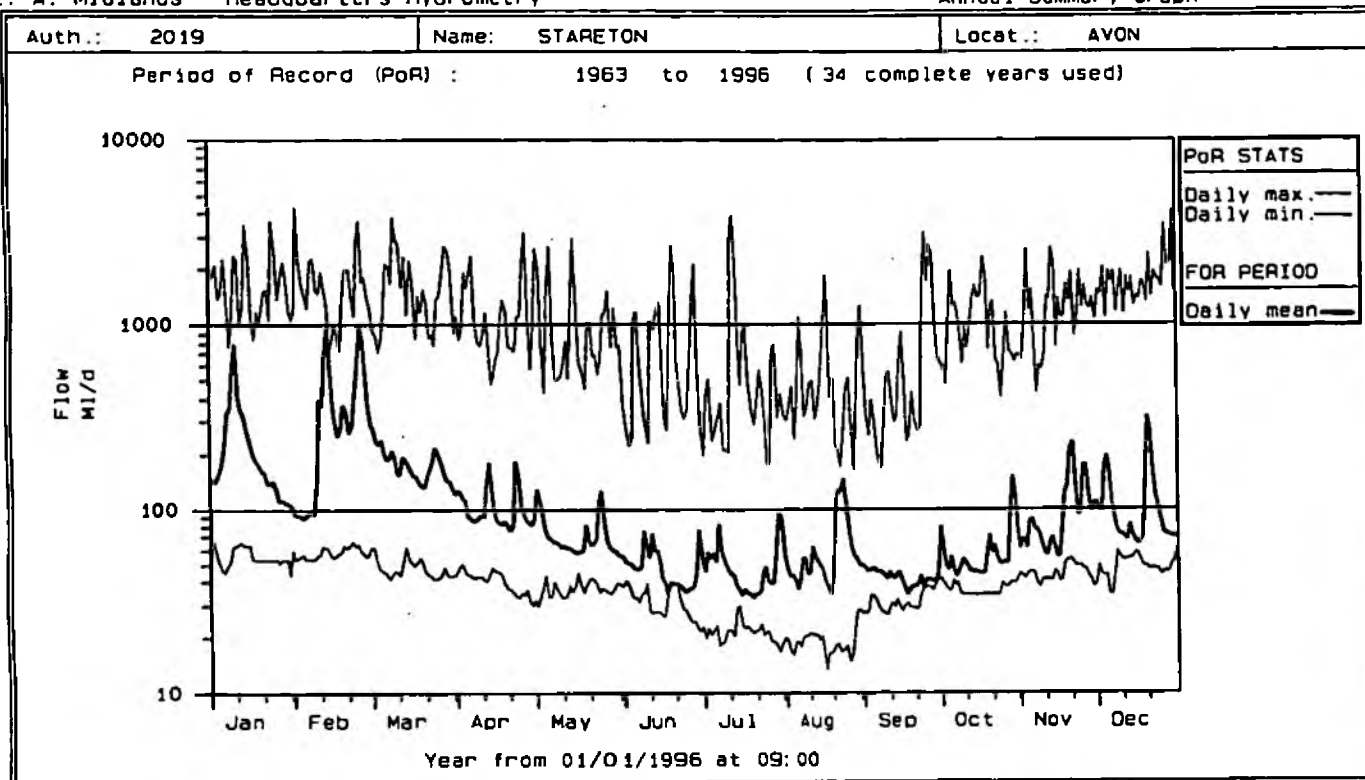


FIGURE 9

E. A. Midlands - Headquarters Hydrometry

Annual Summary Graph



E. A. Midlands - Headquarters Hydrometry

Duration/Frequency Graph

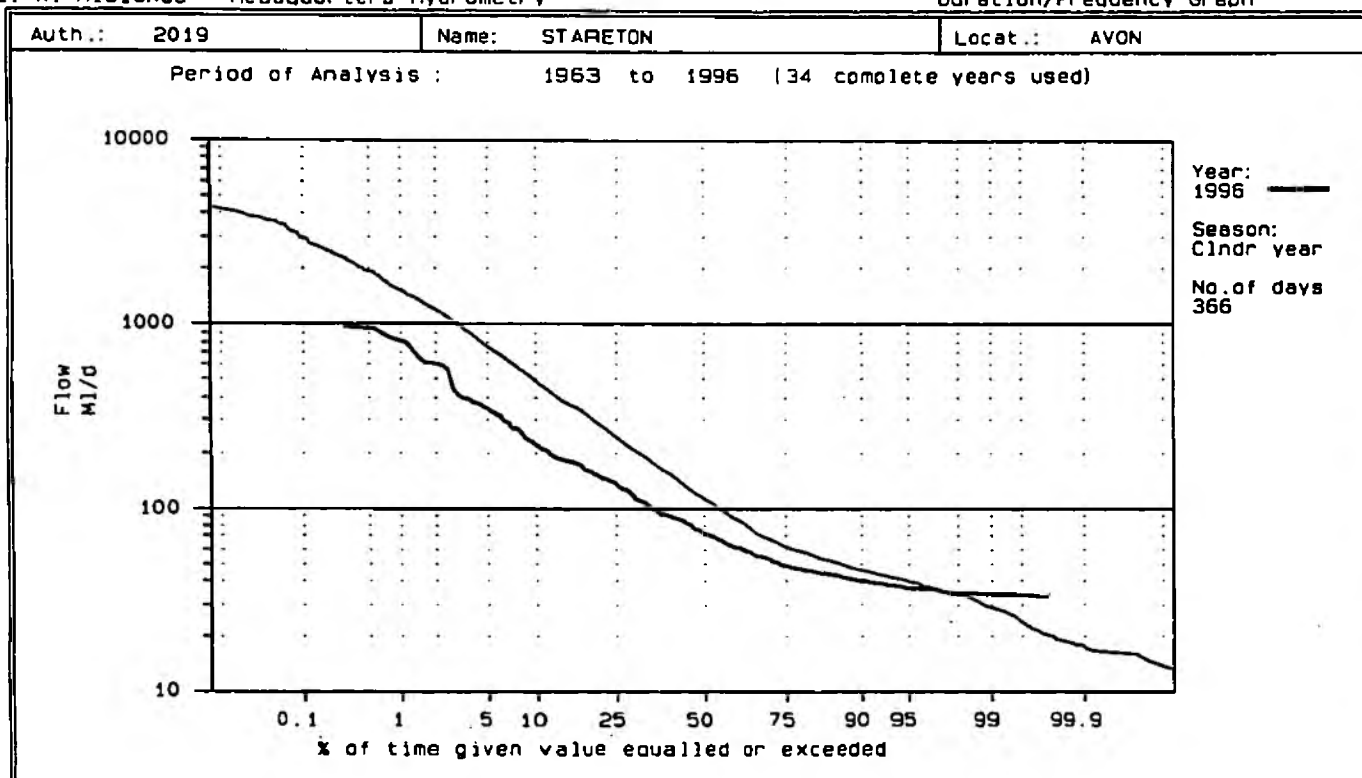


FIGURE 10

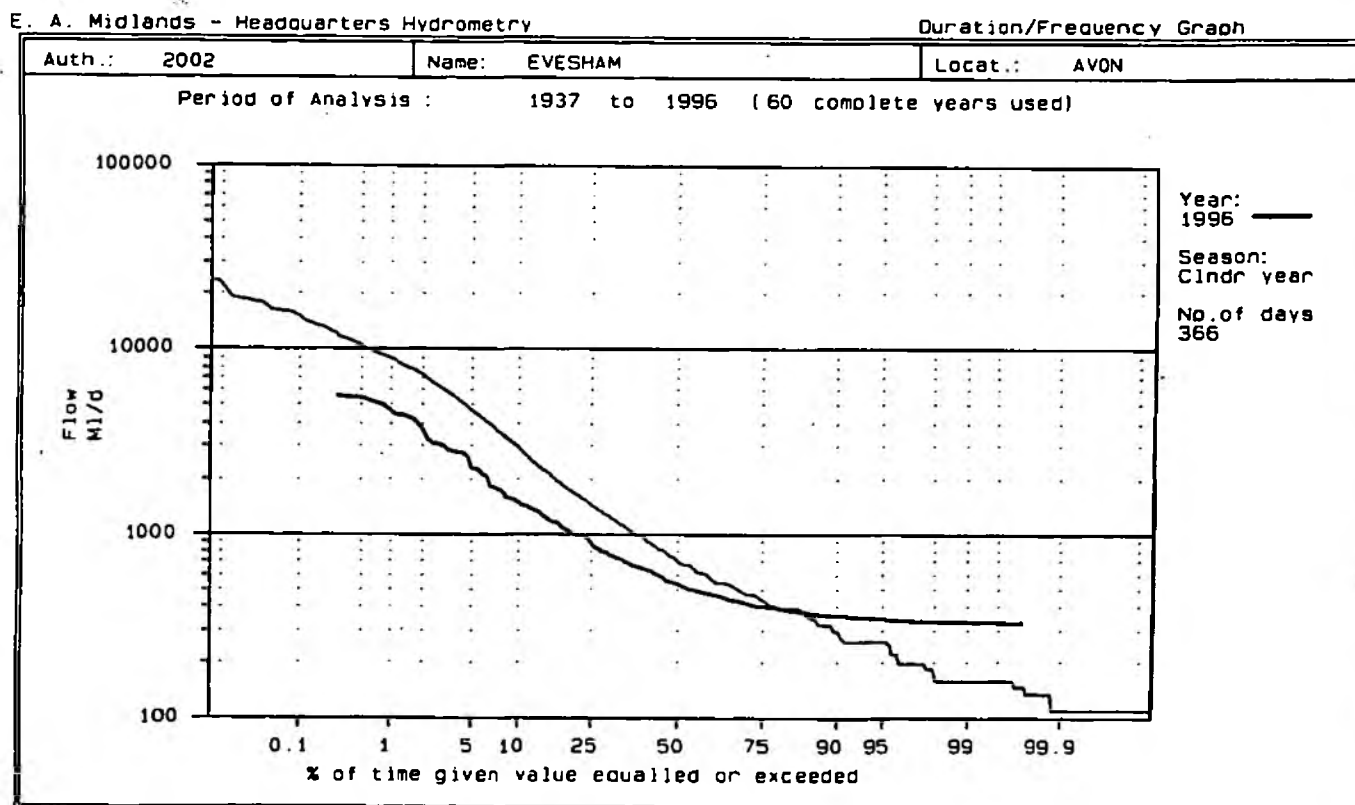
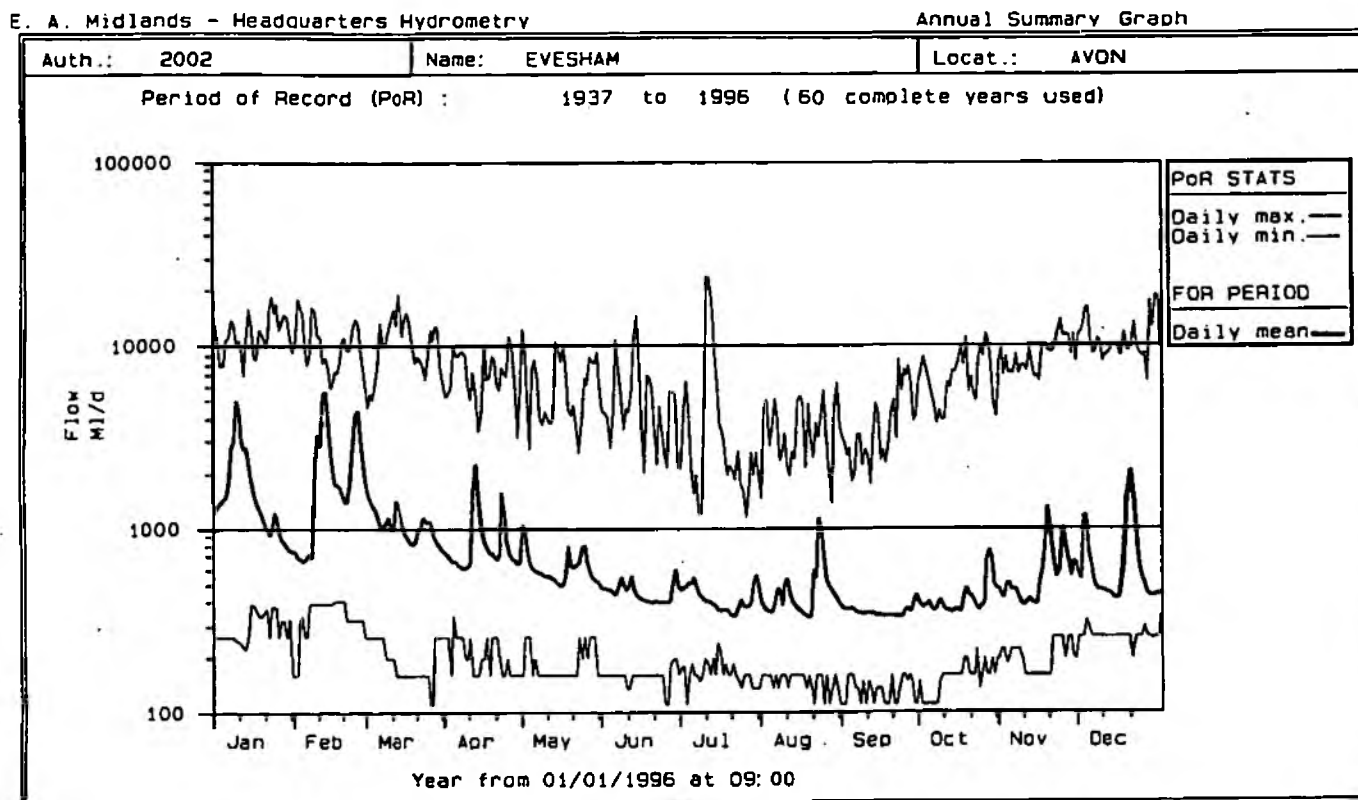
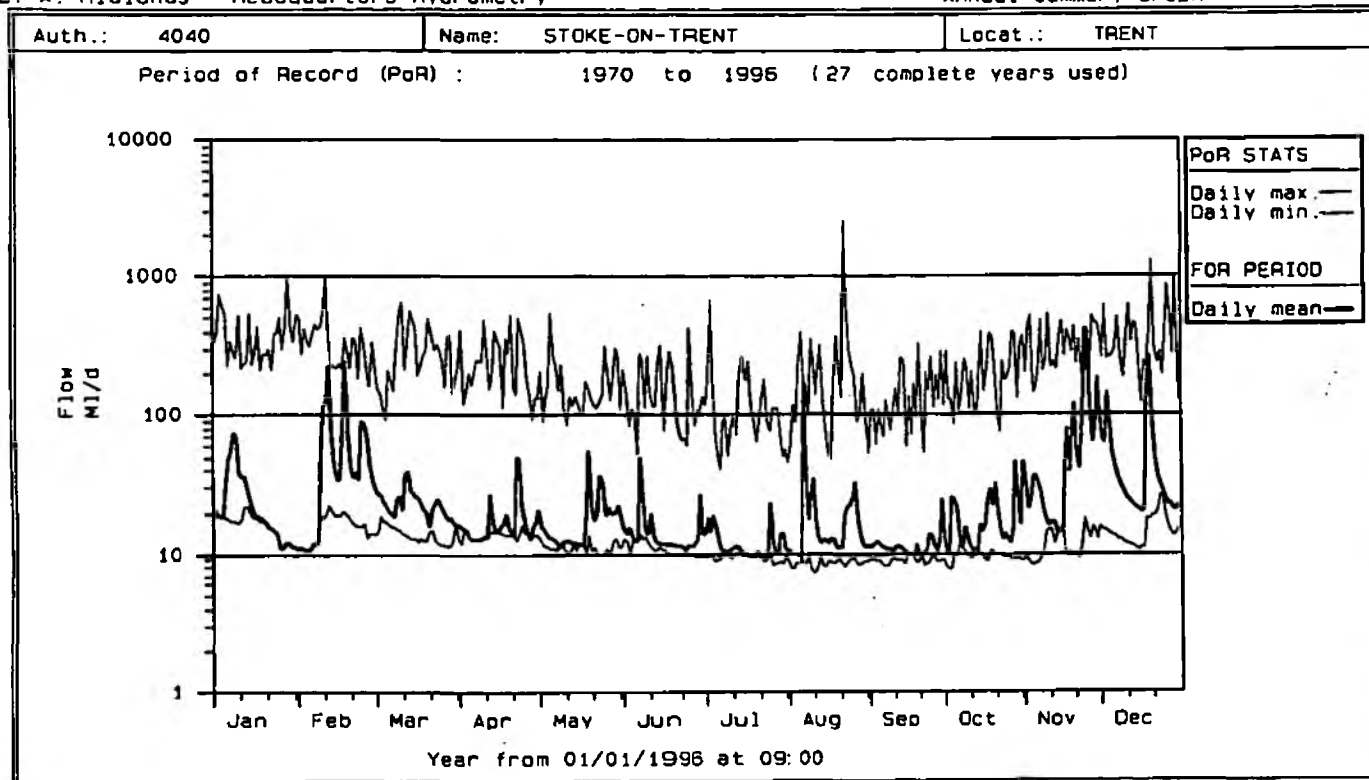


FIGURE II

E. A. Midlands - Headquarters Hydrometry

Annual Summary Graph



E. A. Midlands - Headquarters Hydrometry

Duration/Frequency Graph

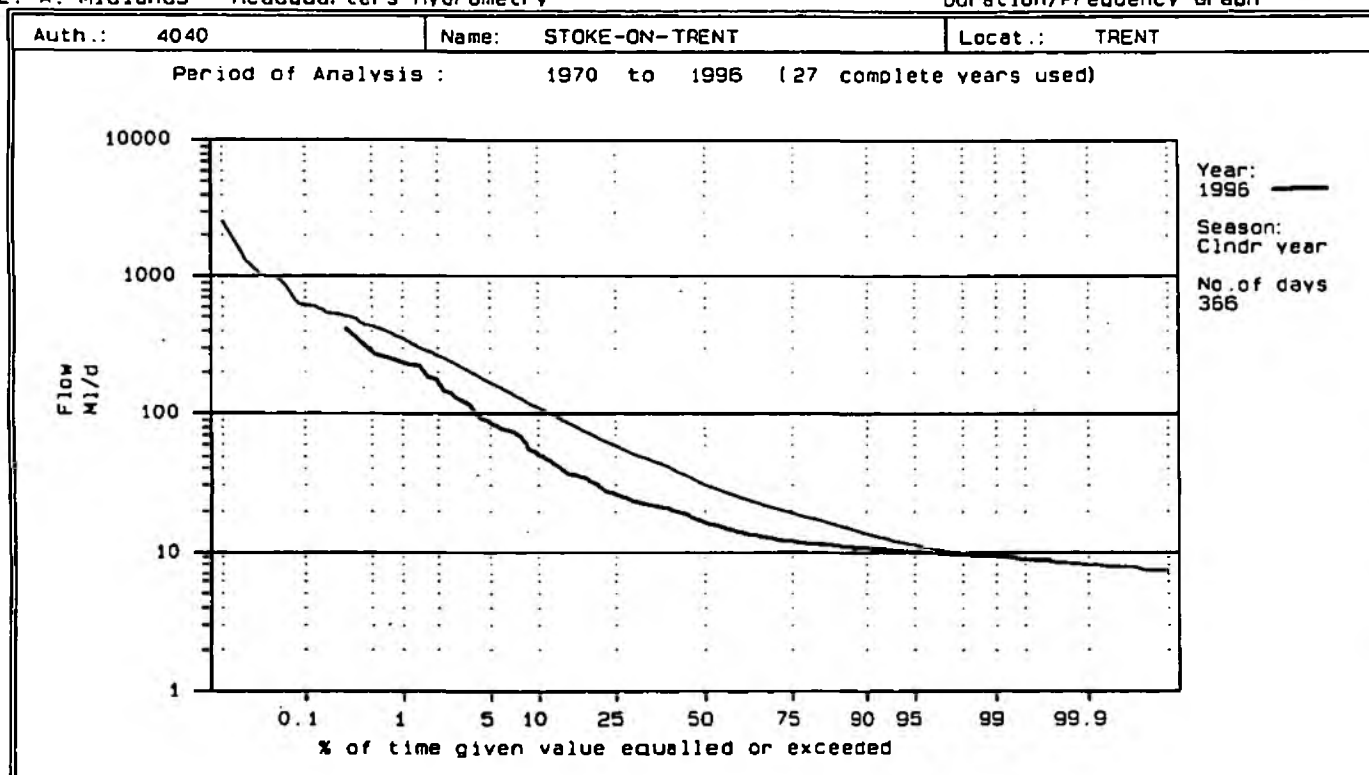


FIGURE 12

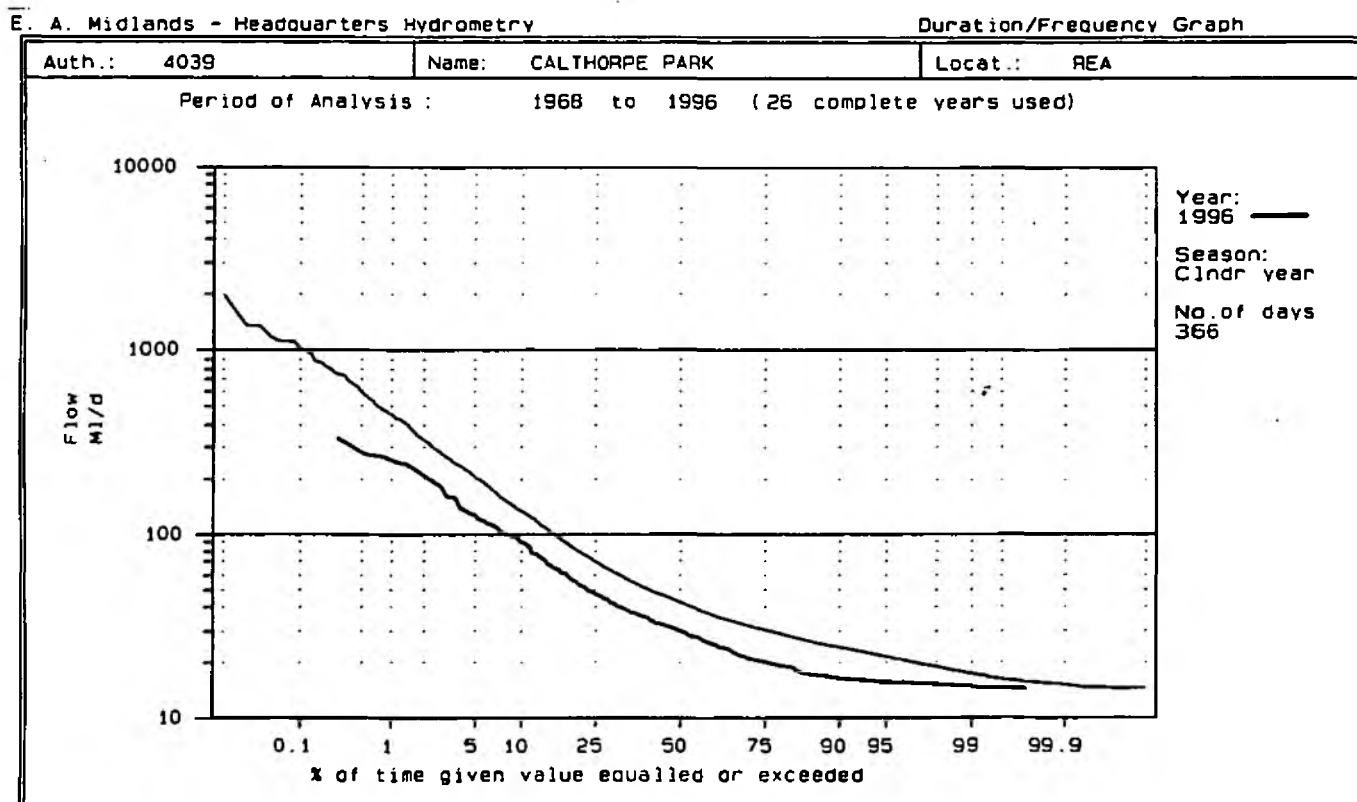
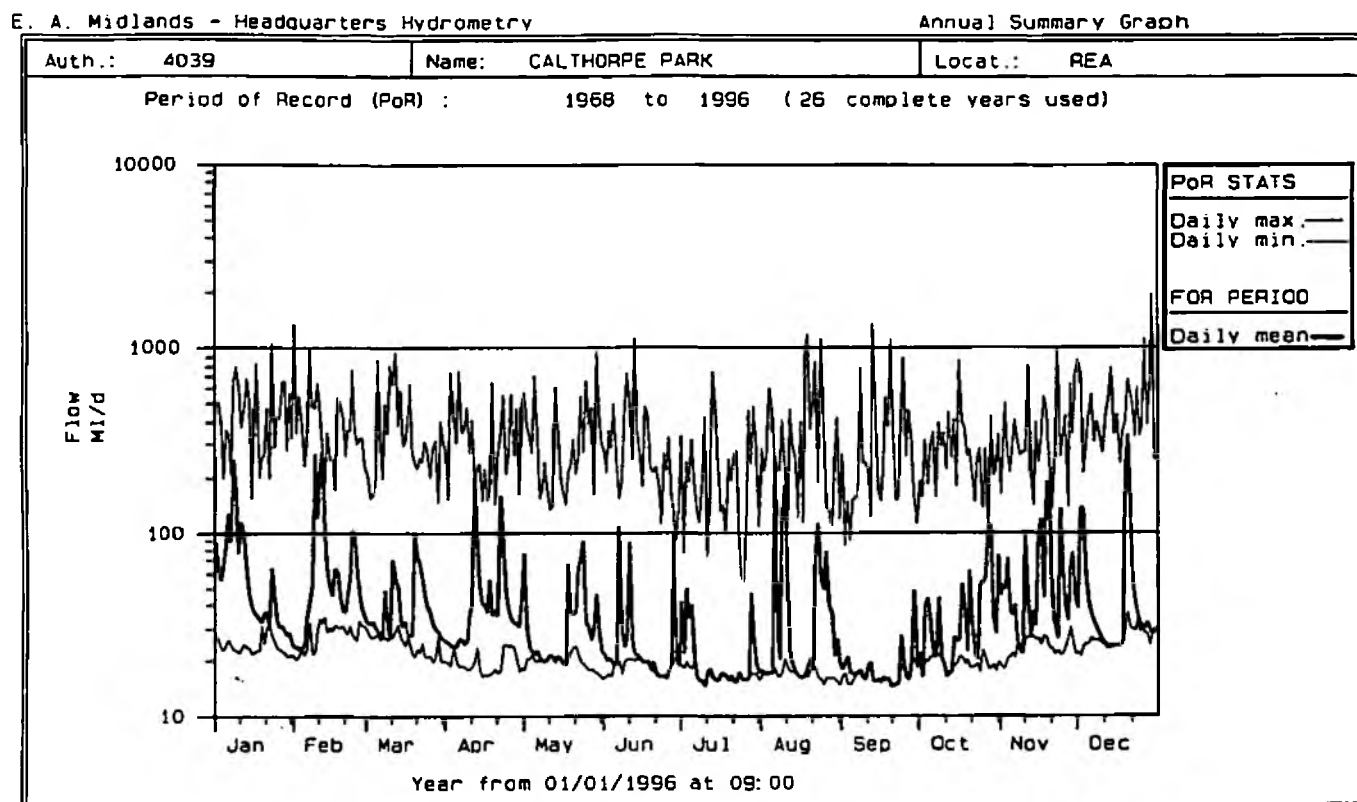
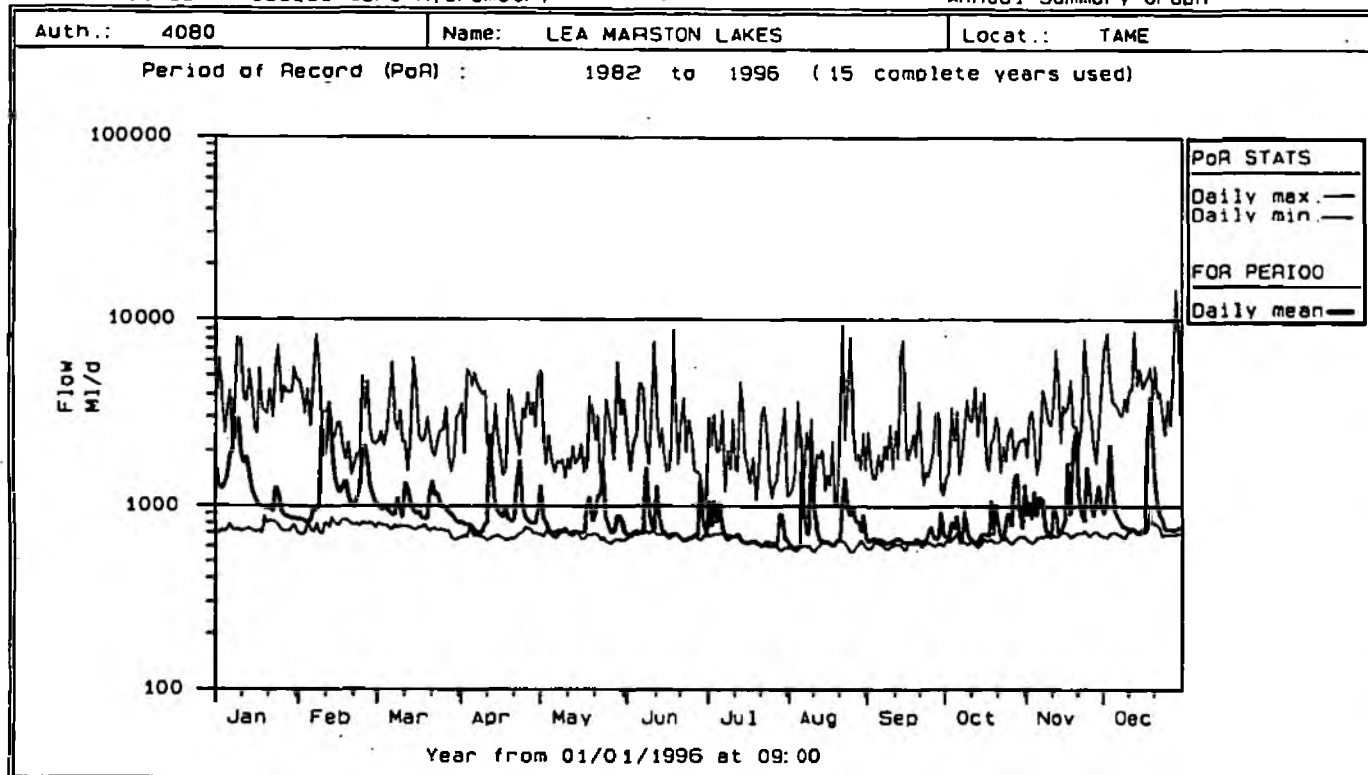


FIGURE 13

E. A. Midlands - Headquarters Hydrometry

Annual Summary Graph



E. A. Midlands - Headquarters Hydrometry

Duration/Frequency Graph

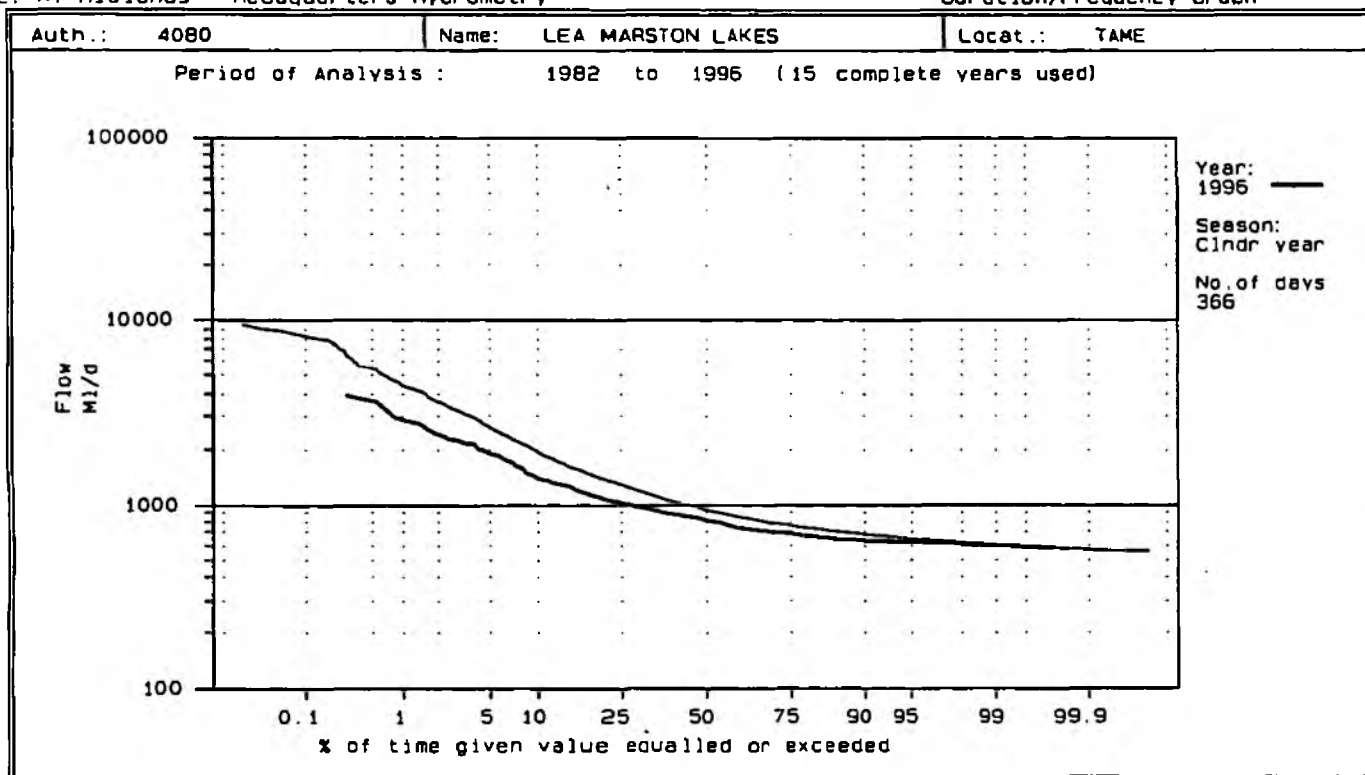


FIGURE 14

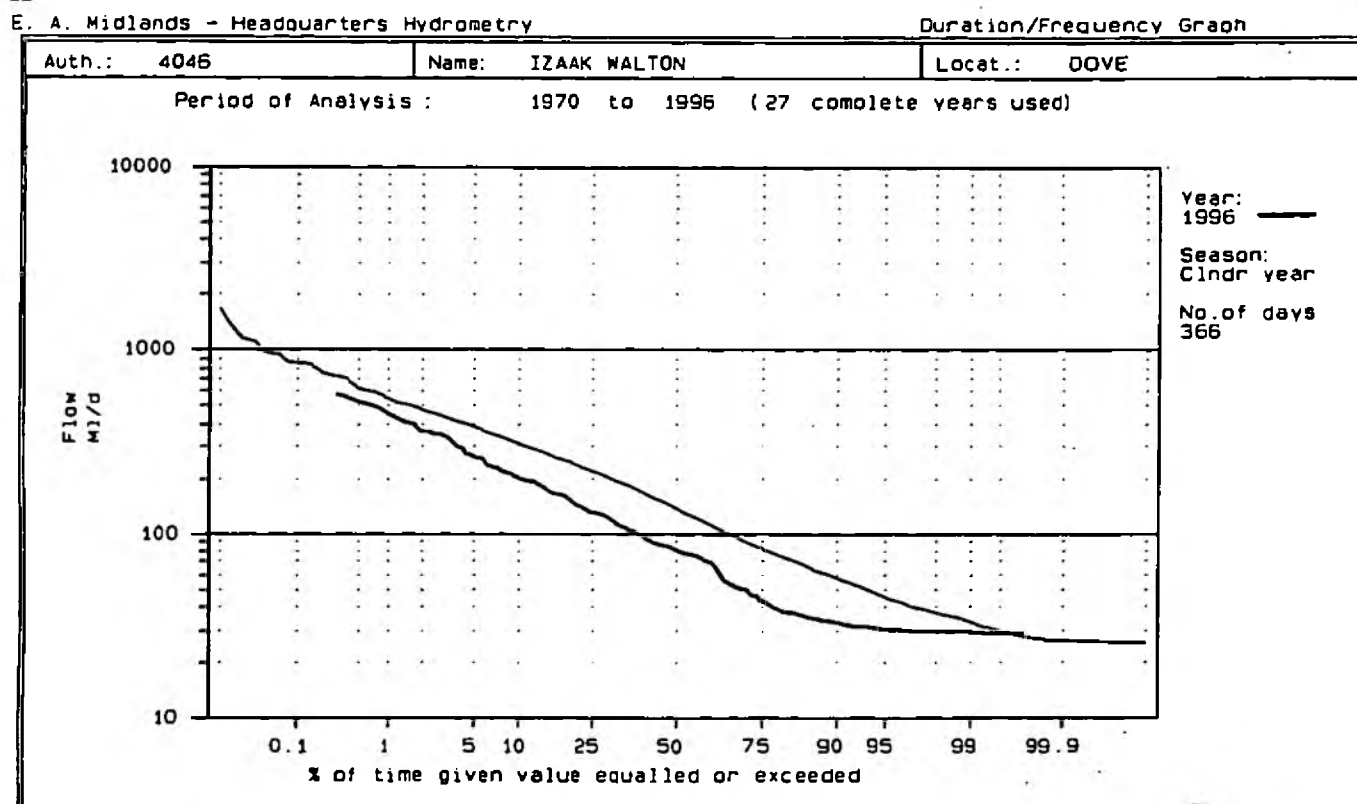
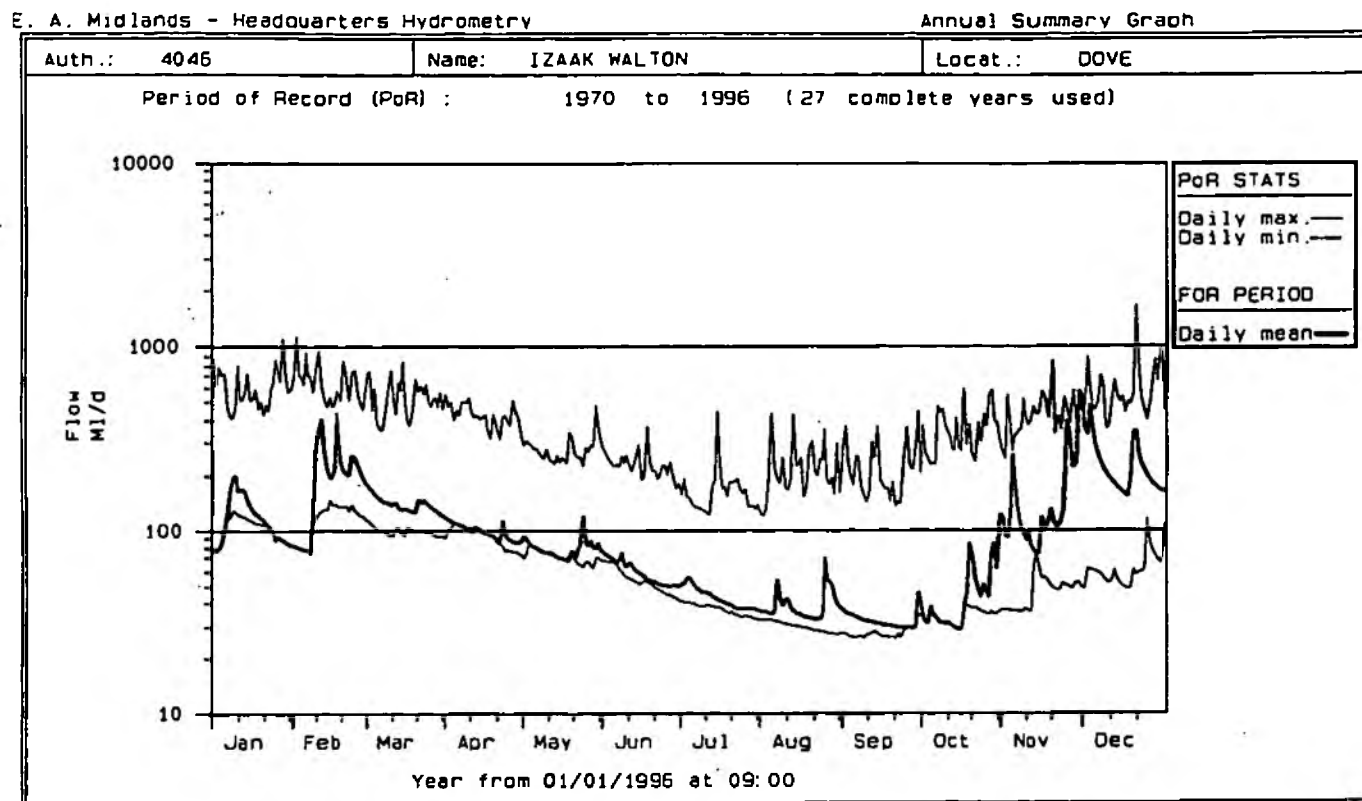
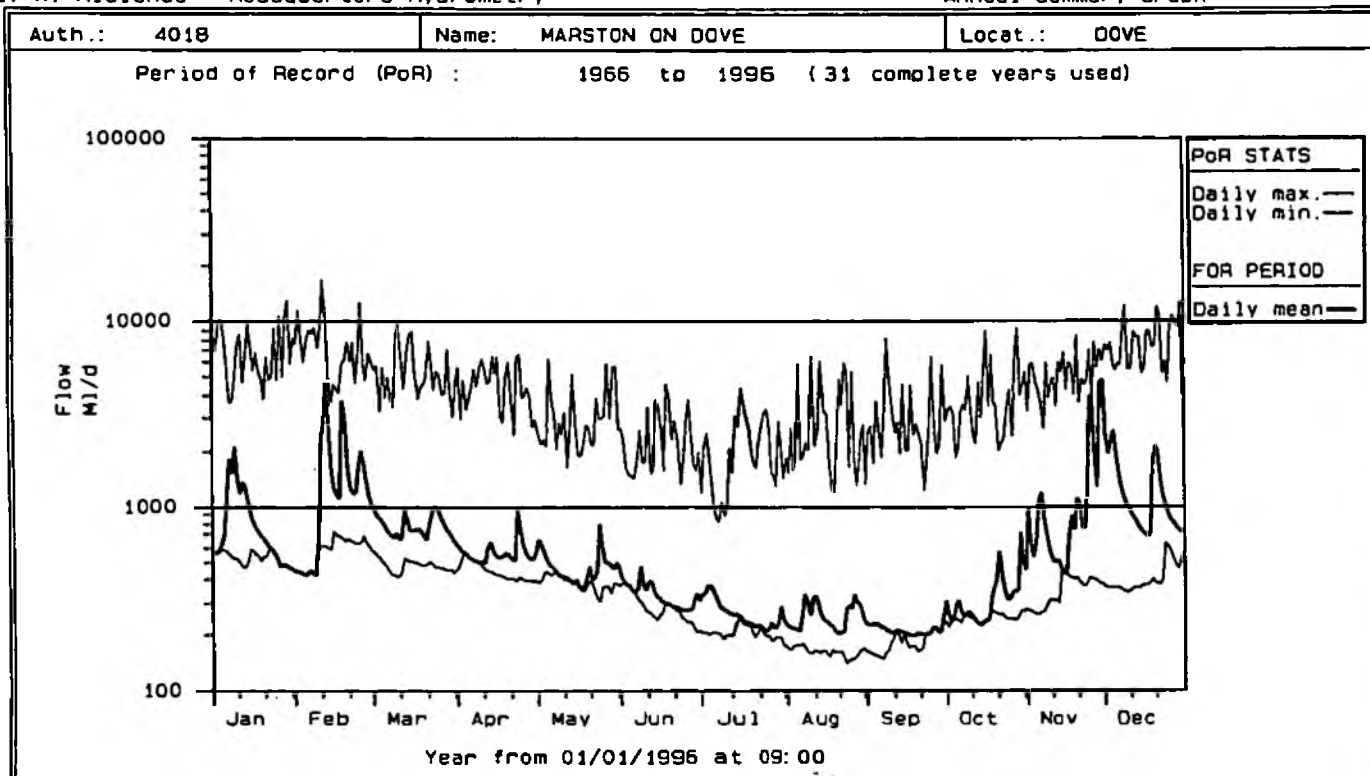


FIGURE 15

E. A. Midlands - Headquarters Hydrometry

Annual Summary Graph



E. A. Midlands - Headquarters Hydrometry

Duration/Frequency Graph

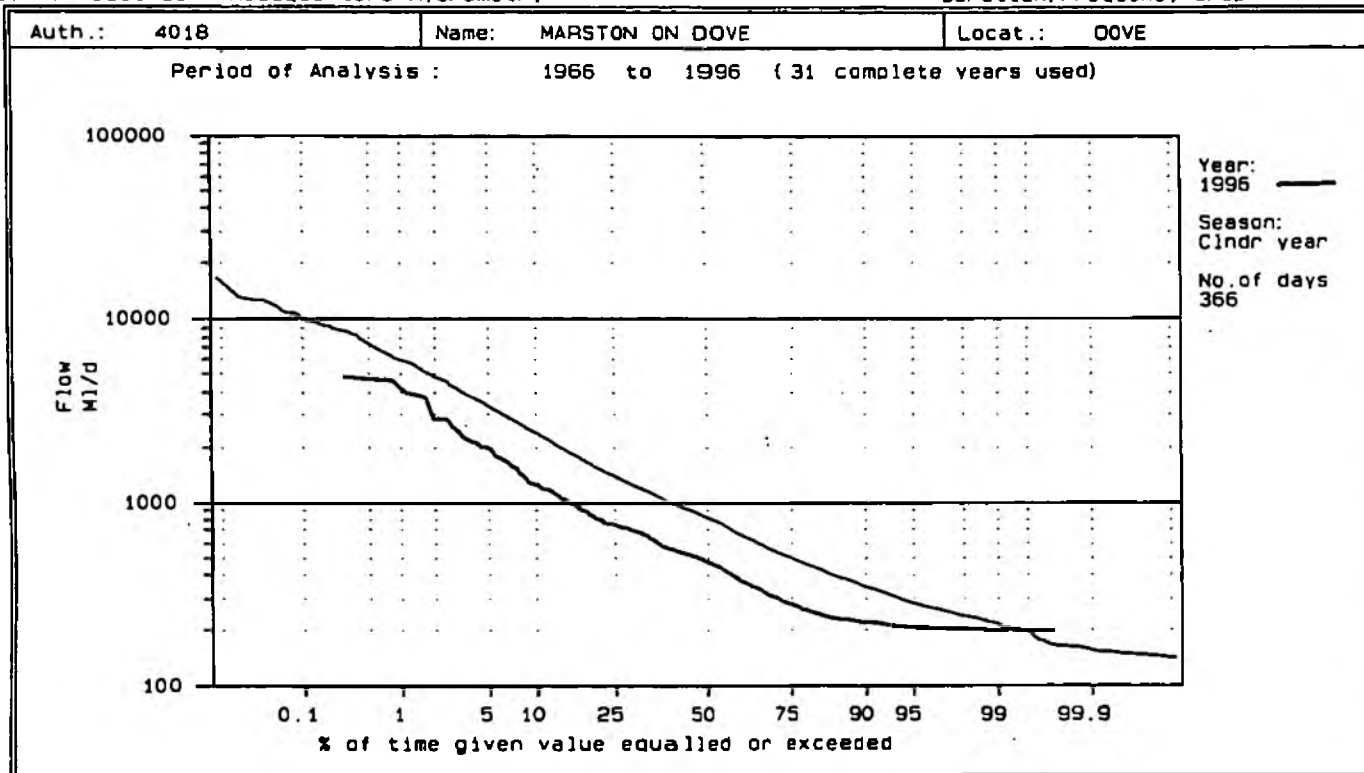


FIGURE 16

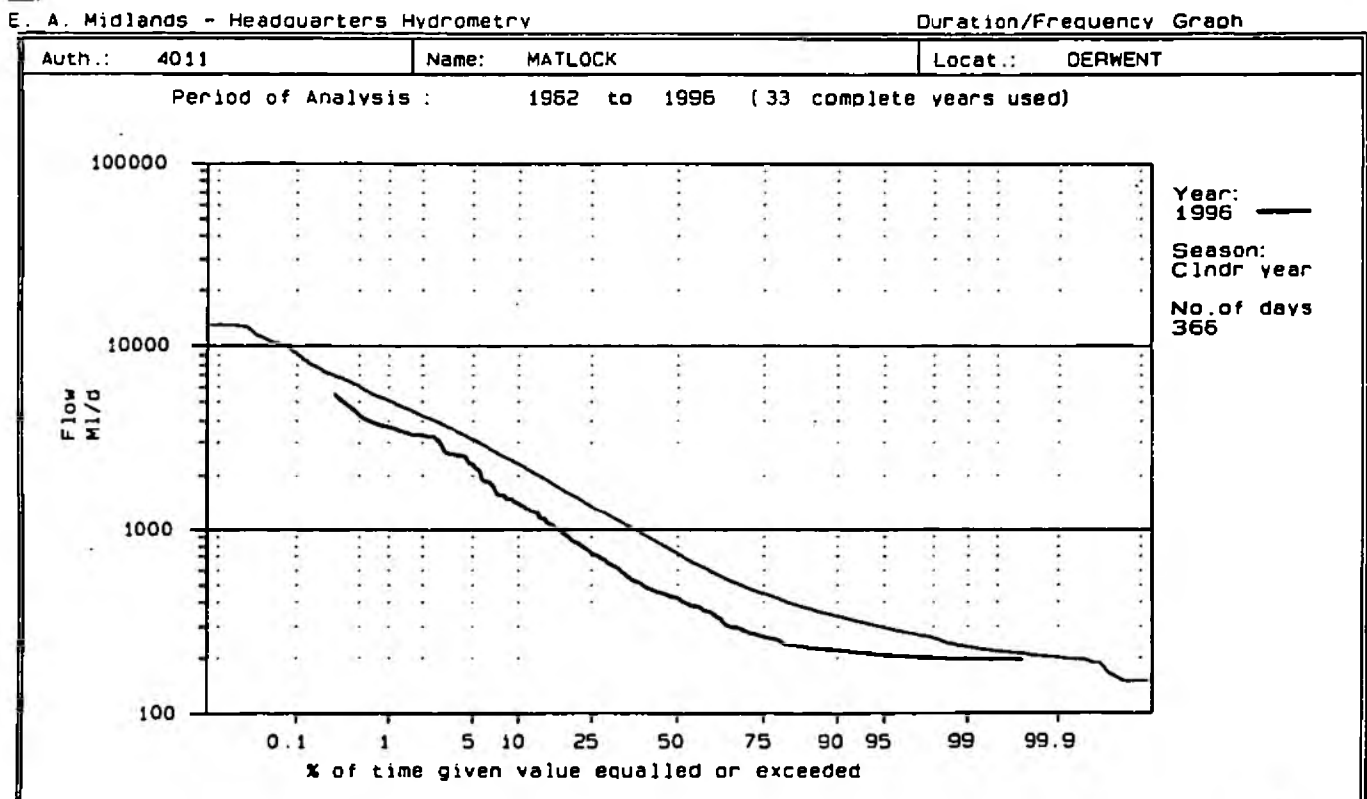
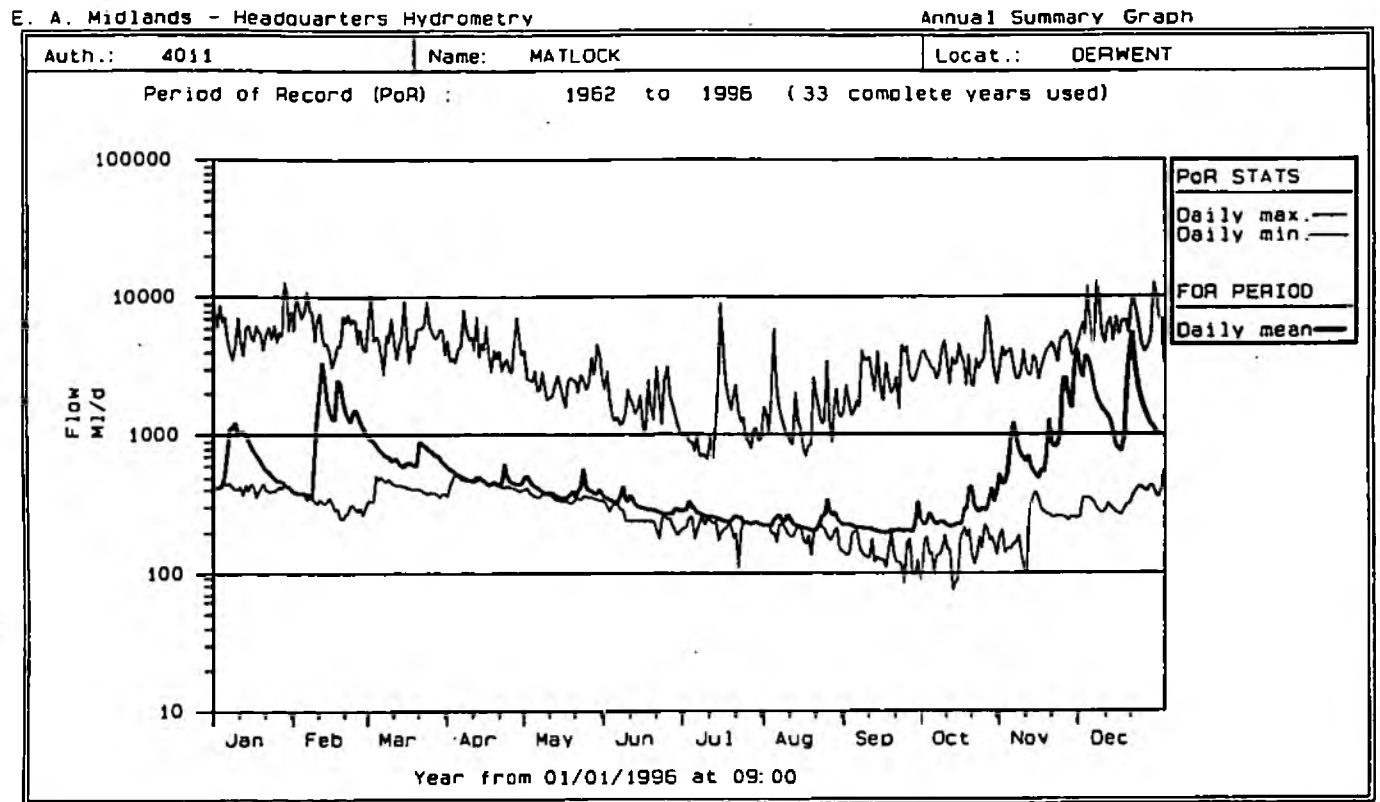
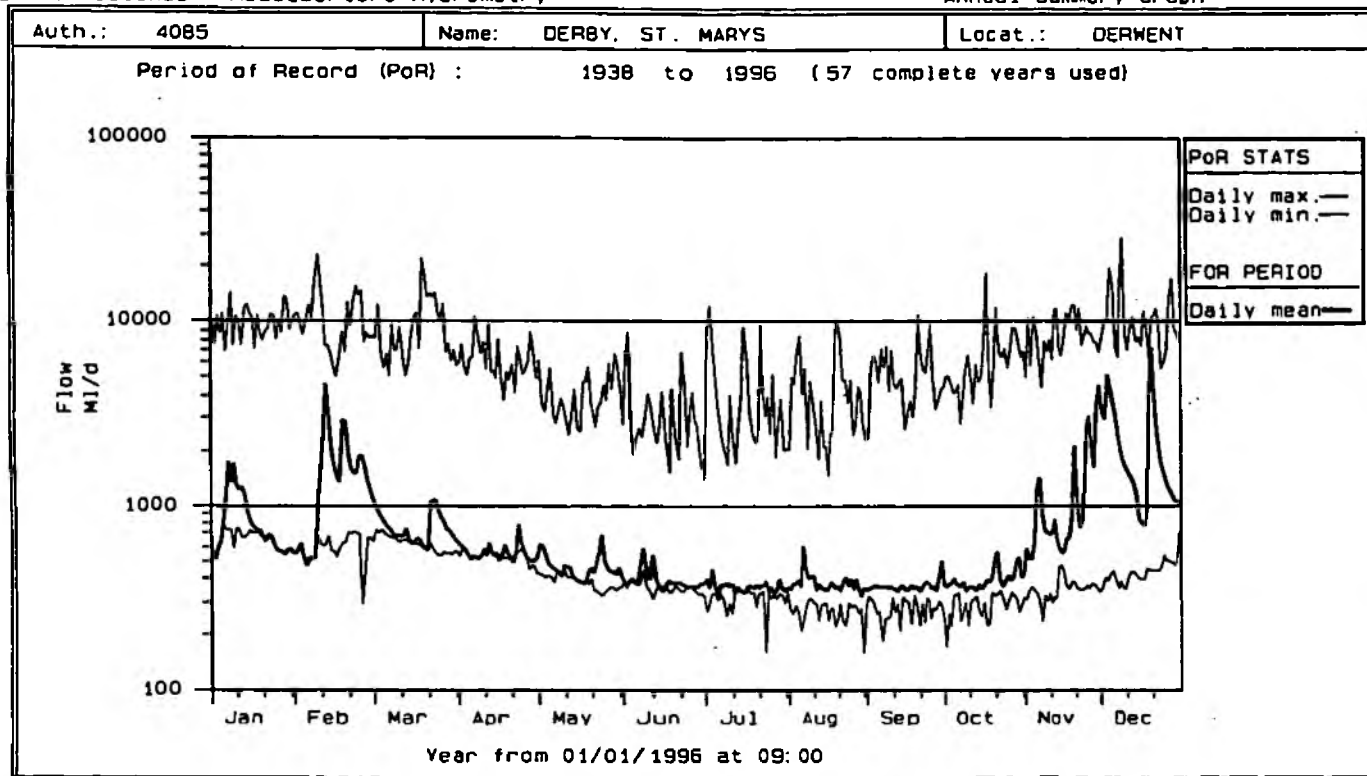


FIGURE 17

E. A. Midlands - Headquarters Hydrometry

Annual Summary Graph



E. A. Midlands - Headquarters Hydrometry

Duration/Frequency Graph

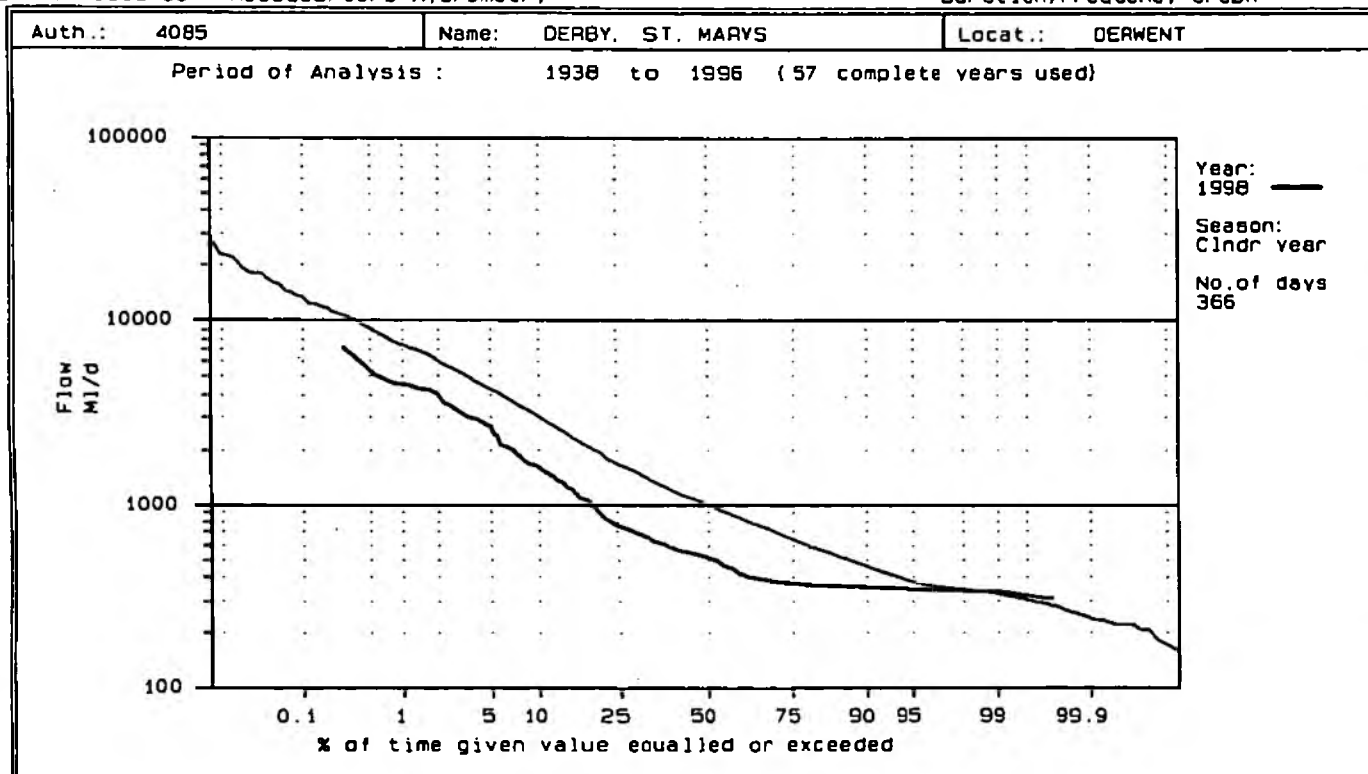
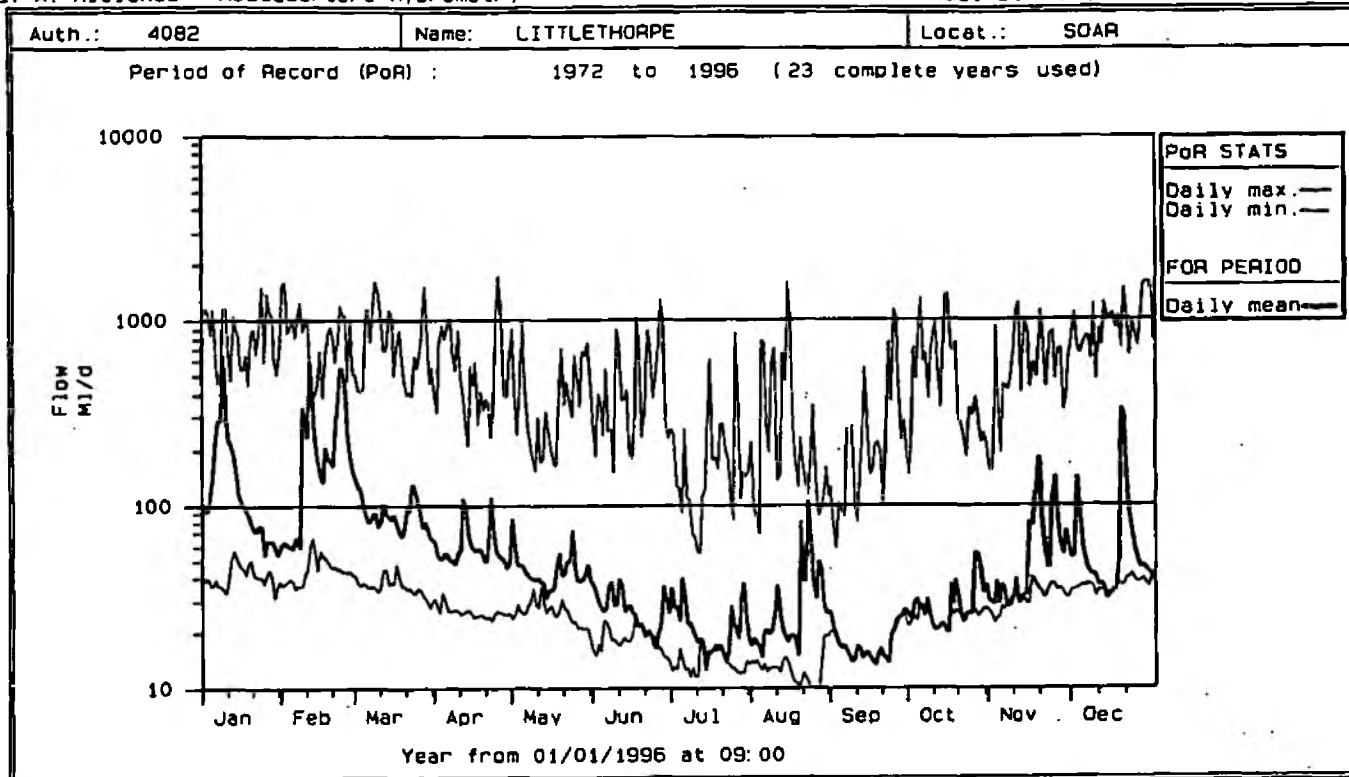


FIGURE 18

E. A. Midlands - Headquarters Hydrometry

Annual Summary Graph



E. A. Midlands - Headquarters Hydrometry

Duration/Frequency Graph

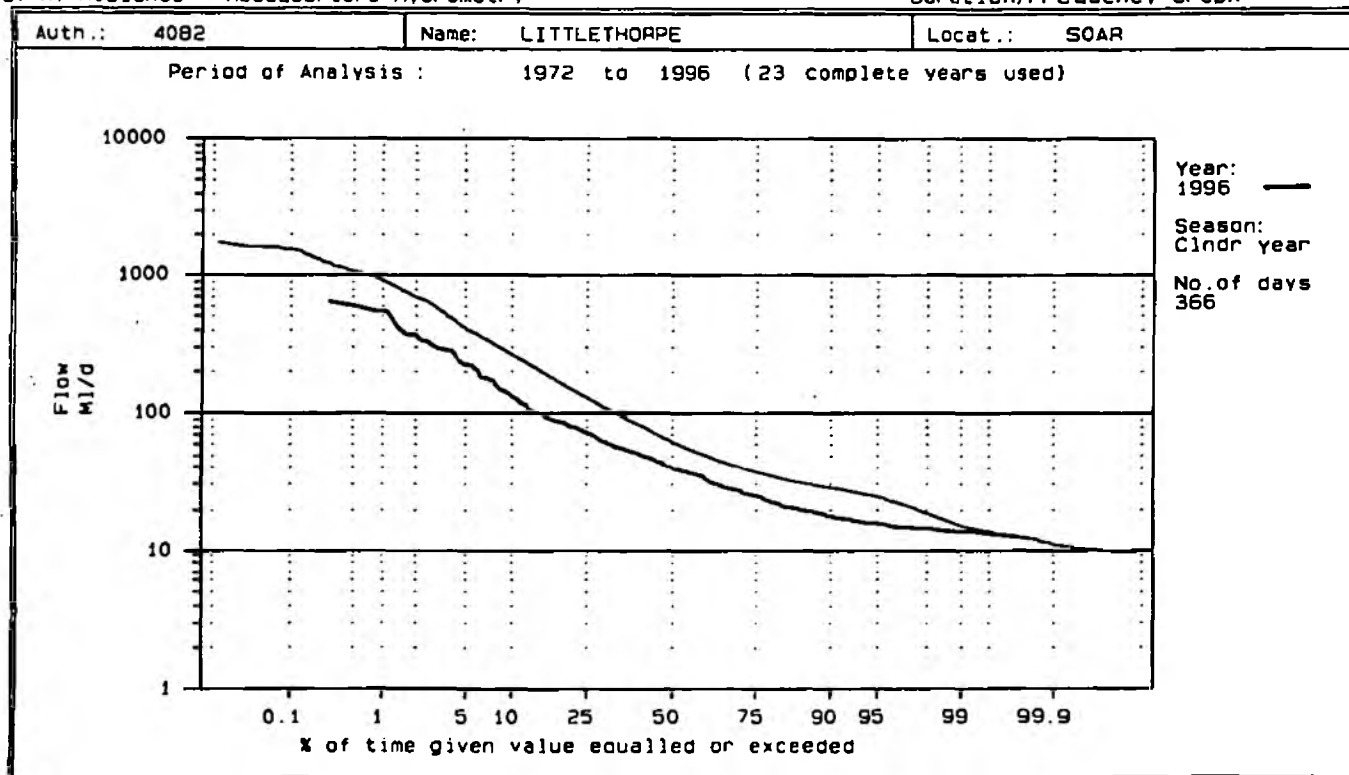
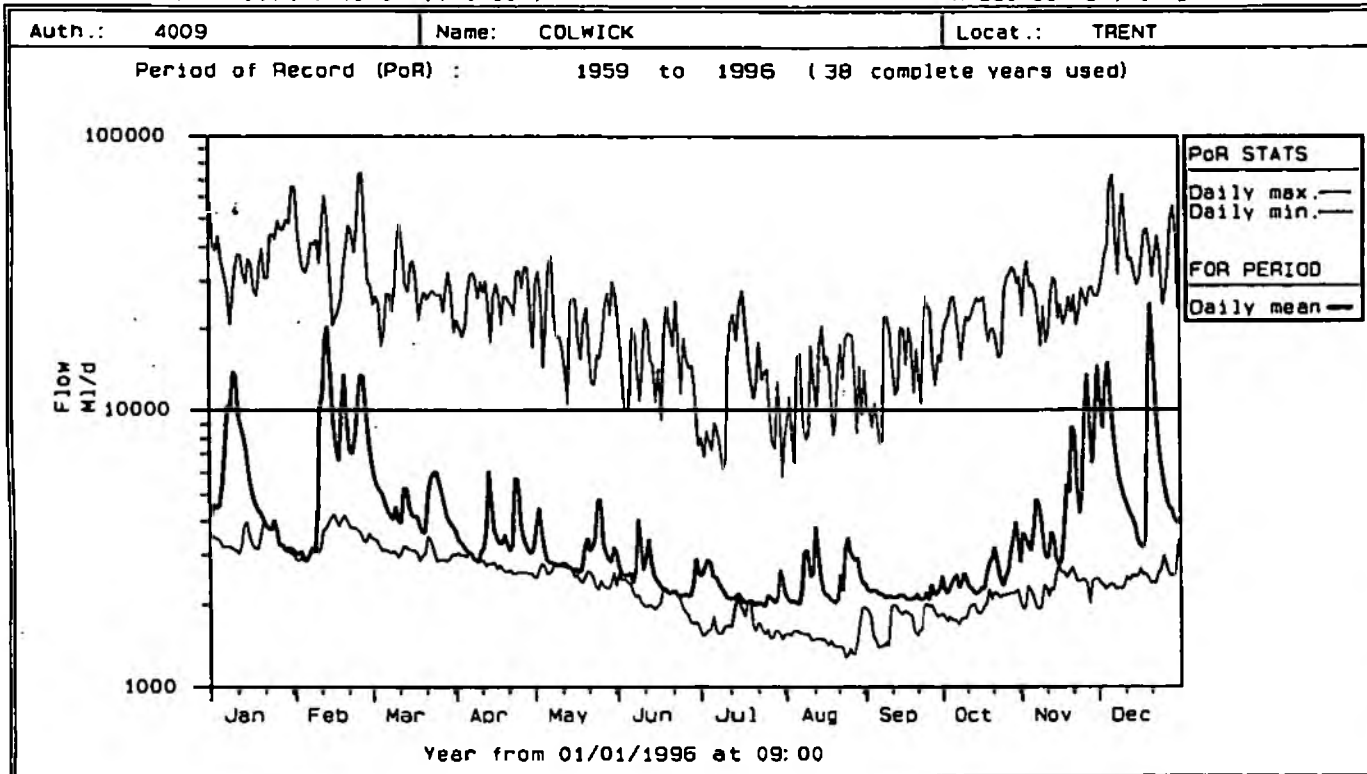


FIGURE 19

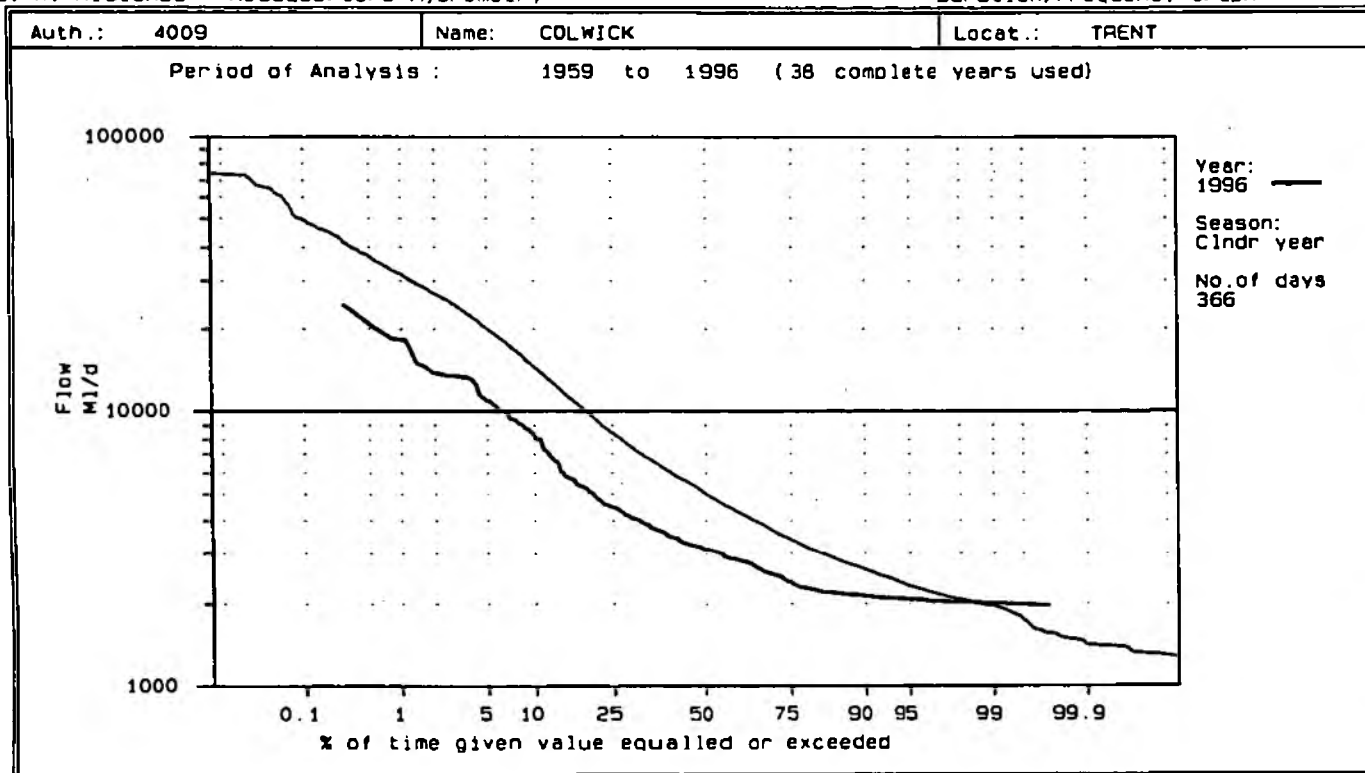
E. A. Midlands - Headquarters Hydrometry

Annual Summary Graph



E. A. Midlands - Headquarters Hydrometry

Duration/Frequency Graph



4. RAINFALL

Rainfall is measured in two basic ways. The first is by use of a storage gauge, which is 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. Midlands Region use tipping bucket gauges that generate a pulse for each half millimetre rainfall increment. An on site TG1150 or CELIA logger records the precise time of each pulse. The TG1150 loggers are interrogated using the telephone network and the CELIA loggers are retrieved by field staff and downloaded in the office.

Most of the daily storage gauges in the region are operated by voluntary observers with data returns made monthly to Regional 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 Environment Agency archives. Both daily rainfall and event data are archived on a micro-computer based system known as RAINARK, that allows analysis and graphical presentation of the data.

Locations of both types of rainfall site are given in the catalogue section Tables 26 & 27.

4.1 Daily Rainfall Totals

Daily rainfall for 1996 recorded at ten selected sites throughout the region are shown in Tables 13 to 22. The location of these example sites are shown in Figure 4. The tables show the daily rainfall totals, with a comparison of the monthly totals against the long term average. The letter E following a daily total, indicates that the data has been reappportioned by the Met. Office during their quality control procedures. The letter A indicates that the rainfall for that day has been accumulated, and the letter T represents a trace reading of less than 0.1 mm.

4.2 Areal Rainfall for 1996

Areal rainfall data has been produced both in tabular and mapped forms for the region. The map of the annual rainfall for 1996, shows the wide variation in annual rainfall across the region from 1400mm in the Welsh mountains, to less than 400mm in the Lower Trent area.

The second map shows a percentage comparison of the rainfall in 1996, with that of the 1961-90 long term average. This highlights the consistent pattern that existed across the majority of the region, of below average rainfall during 1996.

Table 23 shows the monthly areal average data for the Region and the various sub areas, with totals and comparisons with long term averages (1961-90). The table highlights the very dry year, with only February, October and November receiving rainfall figures above the long term average. Annual totals for the Region were all below average, ranging between 67-85% of the 1961-1990 long term average figures. The region as a whole received only 77% of the average annual rainfall.

TABLE 13

Name : Llangedwyn Station Number : 427387 Rainfall in mm 1996

Day No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1	1.5E	-	-	-	23.7	0.6	3.1	-	-	-	6.8	3.0	
2	-	-	-	0.2	0.4	3.9	5.1	-	0.5	-	2.4	11.2E	
3	1.2	-	-	-	-	2.5	6.6	-	-	4.4	11.2	6.9E	
4	0.8	-	-	-	-	-	2.0	-	-	4.4	3.8	-	
5	2.8	15.8E	-	-	-	-	1.5	-	-	T	11.1	-	
6	7.5	1.5	-	-	-	T	T	16.0	-	-	4.6	-	
7	2.9	T	-	-	-	4.3	-	T	-	-	0.6	-	
8	4.6	2.9E	7.4	T	-	-	1.2E	2.2	-	-	0.8	-	
9	1.6	9.6	-	2.2	-	1.8	-	4.6	-	-	-	-	
10	T	8.6	T	-	-	T	-	2.8	-	-	-	-	
11	2.9	16.6	21.9	11.5E	-	9.6	1.0	T	-	-	2.5	-	
12	8.3	4.6	9.4	19.3	-	-	-	T	-	-	-	-	
13	-	-	T	1.3	-	-	-	-	-	-	1.5	-	
14	T	-	1.6E	2.3	-	-	-	-	-	9.9	2.0	-	
15	T	-	4.4E	0.5	-	-	-	-	-	19.7	0.3	0.4	
16	-	-	2.4	6.7	-	-	-	-	-	3.0	2.3	0.5	
17	-	8.0	T	T	-	-	-	-	-	17.1	-	3.3E	
18	-	3.9	0.4E	7.7	7.7	-	-	0.1E	-	4.0	5.1E	7.6E	
19	-	-	T	0.4	4.7	-	-	0.7E	2.4E	0.2E	13.1E	11.4E	
20	-	T	9.0	0.7E	2.5	-	-	2.1E	-	12.0E	5.8E	1.0E	
21	-	1.1	2.6	3.6E	2.1	-	-	-	0.4E	-	2.6E	-	
22	T	T	4.8	17.1E	14.0	-	-	8.6	-	-	T	-	
23	4.1	3.0	5.8	1.6	17.7	-	0.8	14.4	-	T	4.8	-	
24	-	6.3	1.5	-	0.7	-	-	2.8	6.3E	2.1	16.6E	-	
25	-	3.0E	5.2	-	0.4	T	-	3.6	T	9.5	2.2E	-	
26	-	-	2.5	-	5.8	1.2	-	7.0	1.6	8.4	-	2.4	
27	T	-	-	-	T	6.3	-	1.1	0.3	2.0	-	-	
28	T	-	-	T	2.1	3.6	11.1	0.7	15.3	11.9	9.9	-	
29	-	-	-	-	3.2	0.6	9.0	-	1.3	T	5.9	-	
30	-	-	-	4.4	T	2.1	2.2	-	T	3.0	0.5	-	
31	-	-	-	-	T	-	T	-	-	12.8	-	1.9	
Totals:	38.2E	84.9E	78.9E	79.5E	85.0	36.5	13.6E	66.7E	28.1E	124.4E	116.4E	49.6E	831.8
Average	94	70	79	61	66	58	55	71	80	83	102	104	923
% of Av	41	121	113	130	129	63	25	94	35	150	114	48	90

TABLE 14

Name : Pattingham Station Number : 435970 Rainfall in mm 1996

Day No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1	0.3	-	-	T	6.7	-	3.5	0.1	-	-	1.3	0.4	
2	1.1	0.2	-	T	T	0.2	2.6	-	0.6	-	1.1	9.3	
3	T	-	0.9	-	-	1.8	0.9	-	-	0.3	2.4	0.1	
4	0.6	-	-	-	-	-	1.3	-	-	7.2	1.9	0.2	
5	3.5	7.2	-	-	-	-	3.6	-	-	T	2.0	-	
6	5.1	3.6	-	-	-	-	-	24.7	-	0.3	6.2	-	
7	2.1	T	-	-	-	8.1	T	-	-	0.3	3.2	0.3	
8	12.6	2.6E	4.5	-	-	-	T	1.1	0.1	3.4	0.2	-	
9	1.5	3.9	0.1	1.3	-	0.1	0.4	8.3	-	0.6	-	0.1	
10	T	1.2	-	0.5	0.6	0.8	-	9.8	T	-	0.4	0.2	
11	3.3	9.3	11.2	5.7	0.7	6.6	0.1	1.0	1.3	-	4.1	-	
12	2.0	2.1	4.8	11.2	T	-	0.3	-	-	-	-	-	
13	-	T	-	0.2	-	-	-	-	-	0.2	-	-	
14	-	-	-	0.4	-	-	-	-	-	4.7	1.0	-	
15	0.7	T	0.9	T	-	-	-	-	-	1.4	0.7	T	
16	0.2	-	1.3	2.0	-	-	-	-	-	0.1	10.2	0.3	
17	0.2	1.7	-	T	-	-	-	-	-	1.9	1.0	0.7	
18	-	2.5	1.1	3.7	9.7	-	-	-	T	-	5.1	14.4	
19	-	0.1	-	-	2.6	-	-	T	0.9	0.1	15.1	15.2	
20	3.0	T	8.4	0.5	-	T	-	0.5	0.3	4.2	-	-	
21	0.7	2.1	0.3	-	3.7	-	-	-	-	0.2	-	-	
22	-	0.2	3.6	17.3	0.3	-	-	4.5	-	0.3	-	-	
23	1.2	1.7	1.2	-	15.9	-	0.3	6.1	-	T	-	0.6	
24	-	2.6	-	-	0.2	-	-	2.0	5.1	3.1	8.7	-	
25	T	3.1	-	-	2.3	-	-	0.2	-	4.7	0.3	-	
26	2.7	0.1	0.4	-	1.6	1.8	0.8	8.7	0.4	3.9	-	0.2	
27	0.2	-	-	-	-	3.6	-	-	-	1.9	-	-	
28	T	-	-	0.8	0.7	11.0	6.8	1.1	2.0	12.0	3.5	-	
29	T	-	-	-	2.6	T	T	0.2	0.7	-	3.1	0.5	
30	-	-	-	8.8	-	0.3	0.8	-	-	0.7	0.7	1.9	
31	-	-	-	-	-	-	-	-	-	5.8	-	0.5	
Totals:	41.0	44.2E	38.7	52.4	47.6	34.3	21.4	68.3	11.4	58.3	72.2	44.9	534.7
Average	59	46	55	53	60	55	51	64	63	55	61	65	687
% of Av	69	96	70	99	79	62	42	107	18	106	118	69	78

TABLE 15

Name : Brampton Bryan

Station Number : 440885

Rainfall in mm 1996

Day No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1	0.8	-	-	-	21.1	0.6	2.4	0.1	-	-	3.7	1.8	
2	0.2	-	-	-	0.2	-	2.8	-	0.6	-	0.4	16.2	
3	1.0	-	0.2	-	-	2.2	1.7	-	0.2	3.2	8.1	5.2	
4	1.1	-	-	-	-	-	0.4	-	-	1.6	3.6	0.4	
5	4.4	14.8	-	-	-	-	8.2	-	-	-	4.4	-	
6	17.1	1.9	0.4	-	-	0.1	0.3	15.3	-	0.2	9.1	-	
7	6.2	0.6	-	-	-	3.7	-	0.1	-	0.7	6.2	-	
8	21.1	8.8	5.7	-	-	-	0.1	1.6	-	1.6	0.7	-	
9	5.7	14.2E	-	1.2	-	0.7	-	4.4	-	0.1	-	0.2	
10	0.6	3.4	-	0.2	-	0.1	-	2.0	-	-	-	0.2	
11	10.8	18.6	13.6	11	0.4	9.6	0.4	0.1	0.1	-	2.4	-	
12	12.2	2.4	1.8	17.6	-	-	0.2	-	-	-	-	-	
13	1.6	-	-	-	-	-	-	-	-	1.2	0.2	-	
14	0.4	-	2.2	1.4	-	-	-	-	-	15.3	0.6	-	
15	0.2	-	5.0	0.2	-	-	-	-	-	6.0	0.4	0.2	
16	0.1	0.2	2.4	5.8	-	-	-	-	-	1.2	3.3	1.6	
17	-	4.9	1.9	1.1	-	-	-	-	-	5.1	-	1.7	
18	-	3.4	1.7	4.4	12.7	-	-	-	-	1.9	12.7	9.6	
19	-	0.5	-	1.4	5.0	-	-	1.2E	2.1	0.5	6.0	7.1	
20	1.1	-	4.4	-	2.4	-	-	0.8E	-	6.2	1.0	0.7	
21	-	1.3	0.8	5.4	3.6	-	-	-	-	0.6	1.8	-	
22	0.1	-	6.2	11.4	6.0	-	-	9.9	-	0.2	-	-	
23	2.9	5.2	2.4	0.4	19.9	-	-	7.7	-	0.4	-	-	
24	-	7.9	6.0	-	-	-	-	6.7	4.5	1.8	11.4	-	
25	-	6.6	16.3	-	-	-	-	1.8	-	7.4	-	-	
26	0.8	-	2.2	-	2.9	1.6	1.4	1.4	0.8	9.6	-	0.2	
27	0.4	-	-	-	-	2.1	-	4.5	-	3.9	-	0.4	
28	-	-	-	-	2.7	4.0	5.9	0.4	6.4	8.2	8.0	-	
29	-	-	-	-	0.9	-	0.4	-	1.0	-	2.4	0.3	
30	-	-	-	5.1	-	0.2	2.0	-	-	3.0	0.2	0.6	
31	-	-	-	-	1.1	-	-	-	-	10.4	-	1.0	
Totals:	88.8	94.7E	73.2	66.6	78.9	24.9	26.2	58.0E	15.7	90.3	86.6	47.4	751.3
Average	93	64	72	59	64	55	48	66	75	76	79	93	844
% of Av	95	148	102	113	123	45	55	88	21	119	110	51	89

TABLE 16

Name : Finbam WRW Station Number : 449958 Rainfall in mm 1996

Day No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1	0.1	-	T	-	6.5	-	4.1	-	-	T	0.1	-	
2	-	-	T	-	-	-	0.1	-	T	-	0.1	14.0	
3	-	-	1.5	-	-	0.5	3.7	-	-	4.2	5.1	0.1	
4	0.3	-	-	-	-	-	0.5	-	-	T	0.3	-	
5	2.7E	0.7E	-	-	-	-	4.1	0.1	-	-	1.8	-	
6	4.4E	2.5E	-	-	-	-	1.0	6.6	-	-	1.1	-	
7	1.0	0.3E	-	-	-	3.3	-	-	-	-	1.6E	-	
8	9.1	2.5	3.9	-	-	-	-	0.2	0.5	4.0	-	-	
9	0.5	3.8	-	-	-	-	-	3.1	-	-	-	-	
10	T	1.2	-	1.1	T	T	-	2.1	-	-	-	-	
11	1.2	11.5	8.0E	6.5	-	4.5	-	-	0.4	-	1.9	-	
12	6.4	6.6	-	12.1	-	-	T	-	-	-	-	T	
13	0.1	0.6	T	-	-	-	-	T	-	-	-	-	
14	-	-	-	-	-	-	-	-	-	2.1	0.9	-	
15	-	-	-	-	-	-	-	-	-	T	0.3	T	
16	0.2E	-	1.1	-	-	-	-	-	-	-	5.8	1.1	
17	-	2.3	T	T	-	-	-	-	-	6.7	2.7	0.7	
18	-	0.7	-	1.9	7.3	-	-	-	-	0.7	4.7	8.2	
19	-	4.0E	-	-	0.5	-	-	-	T	0.5	9.5	11.7	
20	1.0E	-	2.0	-	2.1	-	-	34.5	-	5.2	0.3	T	
21	-	1.9	0.5	-	3.4	-	-	-	0.3	0.1	0.1	-	
22	-	1.2	3.1	10.5	3.4	-	-	16.9	-	-	-	-	
23	3.5	5.1	-	0.3	4.6	-	2.3	9.2	-	-	-	-	
24	-	2.7	-	-	4.1	-	-	3.1	1.3	1.5	12.9	-	
25	-	4.4	-	-	-	-	-	0.5	0.6	2.1	1.1	-	
26	1.5E	-	0.4	-	1.1	0.5	1.4E	0.8	0.9	11.3	-	-	
27	-	-	-	-	T	2.0E	-	1.6	-	6.0	-	0.3	
28	-	-	-	T	1.0	8.3	8.9	0.2	0.5	5.9	6.2	-	
29	-	-	-	-	1.3	0.1	0.1	-	6.9	-	1.3	0.2	
30	-	-	0.4	8.5	-	-	0.5	-	-	1.4	0.4	0.6	
31	-	-	-	-	-	-	-	-	-	3.7	-	-	
Totals:	32.0E	52.0E	20.9E	40.9	35.3	19.2	26.7E	78.9	11.4	55.4	58.2E	36.9	467.8
Average	57	47	50	49	53	59	49	68	53	53	56	64	658
% of Av	56	111	42	83	67	33	54	116	22	105	104	58	71

TABLE 17

Name : Pershore College

Station Number : 457134

Rainfall in mm 1996

Day No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1	0.2	-	-	T	6.1	0.5	1.4	1.3	-	0.6	0.5	0.2	
2	T	-	T	-	-	-	1.2	-	0.5	-	1.8	8.2	
3	-	-	0.1	-	-	0.1	1.5	-	T	2.8	4.8	-	
4	0.2	-	-	-	-	-	1.8	-	T	4.1	1.8	0.2	
5	2.3	2.0	-	-	-	-	5.4	1.3	-	1.0	2.3	0.1	
6	2.9	3.7	0.5	-	-	-	T	4.4	-	0.3	0.5	-	
7	3.8	0.9	-	-	-	10.3	-	-	-	-	0.8	-	
8	5.7	2.5	4.0	-	-	-	-	-	0.6	6.1	-	-	
9	0.5	4.5	-	1.1	-	0.3	0.4	12.3	-	0.2	-	0.2	
10	0.1	0.5	-	2.6	T	1.0	-	20.1	-	-	-	0.2	
11	6.8	7.2	5.7	5.3	-	1.3	T	1.6	T	-	0.3	-	
12	1.2	2.7	0.3	17.9	-	-	T	-	-	-	-	0.1	
13	-	-	-	-	-	-	-	-	-	-	-	T	
14	0.3	-	-	0.2	-	-	-	-	-	0.7	1.2	-	
15	-	-	3.1	T	-	-	-	-	-	1.1	0.2	0.1	
16	-	-	0.1	2.7	-	-	-	-	-	-	7.0	1.6	
17	-	1.0	-	T	T	-	-	-	-	3.5	0.4	0.9	
18	-	1.5	0.4	2.2	11.9	-	-	-	-	1.2	4.4	15.8	
19	-	T	-	T	0.4	-	-	-	3.8	T	11.6	7.2	
20	0.7	T	3.1	0.7	1.6	-	-	7.4	-	4.4	-	-	
21	-	2.0	0.3	0.2	3.6	-	-	-	-	-	-	-	
22	0.2	0.2	4.7	13.0	1.1	-	T	9.2	-	-	-	-	
23	4.3	2.2	T	-	3.8	-	6.3	5.3	-	-	-	-	
24	T	3.4	0.4	-	0.2	-	-	8.3	4.2	0.1	7.8	-	
25	T	4.7	7.8	-	2.0	-	-	0.2	-	2.4	-	-	
26	1.5	0.3	0.3	-	0.7	1.0	2.1	4.0	1.7	8.9	-	0.1	
27	T	-	-	-	0.2	1.4	T	-	2.9	1.4	-	T	
28	T	-	-	T	0.1	3.5	4.7	0.5	4.1	7.4	3.4	-	
29	T	-	-	-	0.2	-	-	-	2.2	-	T	-	
30	-	-	-	2.4	-	0.3	0.5	-	0.2	1.4	T	1.0	
31	-	-	-	-	-	-	-	-	-	2.2	-	-	
Totals:	30.7	39.3	30.8	48.3	31.9	19.7	25.3	75.9	20.2	49.8	48.8	35.9	457
Average	55	41	48	45	54	57	49	63	56	48	52	62	630
% of Av	56	96	64	107	59	35	52	120	36	104	94	58	73

TABLE 18

Name : Willenhall WRW Station Number : 094320 Rainfall in mm 1996

Day No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
1	1.7	A	-	-	5.8	0.3	2.4	0.1	0.1	1.2	2.7	0.7	
2	0.2	A	-	-	0.1	-	4.2	-	0.5	-	1.6	9.8	
3	-	A	1.5	-	-	0.9	1.9	-	-	2.6	3.1	0.1	
4	0.6	A	-	-	-	-	2.4	-	-	6.2	3.0	-	
5	3.4	A	-	-	-	-	4.4	-	-	-	3.5	1.1	
6	7.1	A	-	-	-	-	0.5	11.1	-	0.4	7.6	-	
7	1.5	A	-	-	-	14.2	-	0.1	-	0.5	3.8	-	
8	8.6	A	4.3	-	-	-	-	1.0	-	4.8	-	0.2	
9	1.2	A	-	1.0E	-	0.1	-	9.6	-	0.3	0.5	0.1	
10	-	A	-	0.4E	1.1	0.9	-	8.5	-	-	0.5	0.1	
11	4.3	A	8.6	3.9	0.3	6.3	0.7	0.1	0.8E	-	4.5	-	
12	0.7	A	1.6	13.4	-	-	-	-	-	-	0.3	-	
13	-	A	-	-	-	-	0.1	-	-	-	-	-	
14	0.1	A	-	-	-	-	-	-	-	0.7	1.9	-	
15	0.4	A	0.2	0.1	-	-	-	-	-	2.3	0.4	-	
16	-	A	1.4	0.3	-	-	-	-	-	0.6	8.9	1.2	
17	-	A	-	0.1	-	-	-	-	-	3.9	3.8	1.4	
18	-	A	0.3	3.5	6.9	-	-	-	-	0.8	8.0	16.8	
19	-	A	-	0.4	1.5	-	-	-	-	0.3	18.1	14.1	
20	1.9	A	8.2	0.3	-	0.2	-	1.5	-	5.1	-	-	
21	0.1	A	0.9	2.3	6.3	-	-	-	-	0.2	-	-	
22	-	A	3.4	12.5	1.1	-	-	6.3	-	-	-	-	
23	5.3E	A	1.6	0.7	13.3	-	0.5E	13.5	-	-	0.7	0.5	
24	-	A	0.5	-	2.1	-	-	2.5	4.4E	2.9	8.2	-	
25	-	A	-	-	1.6	-	-	0.8	-	3.3	2.9	-	
26	2.2	A	0.7	-	1.3	1.5	0.7	3.3	0.5	4.1	0.2	0.3	
27	0.5	A	-	-	0.2	0.9	-	-	-	2.2	-	0.1	
28	-	A	-	1.2	1.0	6.3	10.3	0.5	2.9	8.2	6.8	-	
29	-	A	-	-	1.6	-	-	0.4	2.6	0.1	1.3	0.5	
30	-	-	-	1.9	-	1.1	0.9E	5.3	-	1.5	1.1	1.1	
31	-	-	-	-	-	-	-	-	-	8.6	-	1.6E	
Totals:	39.8E	47.0	33.2	42.0E	44.2	32.7	29.0E	64.6	11.8E	60.8	93.4	49.7E	548.2
Average	60	48	53	52	56	54	50	66	58	57	60	69	683
% of Av	66	98	63	81	79	61	58	98	20	107	156	72	80

TABLE 19

Name : Wood Cottage Station Number : 106430 Rainfall in mm 1996

Day No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1	1.3	-	0.1	T	9.2	7.0	14.1	2.9	0.2	0.2	9.0	9.3	
2	0.1	T	0.7	-	0.9	T	7.0	2.0	0.6	T	9.1	17.3	
3	T	T	0.6	-	T	2.0	5.3	-	1.4	15.8	6.6	23.7	
4	1.0	T	T	-	-	-	6.0	-	T	8.0	18.0	2.1	
5	8.2	2.0	-	-	T	-	T	0.5	-	1.6	21.2	0.2	
6	11.1	2.7	0.3	-	T	-	-	20.9	-	0.6	14.2	-	
7	1.9	1.1	T	T	-	13.0	0.1	0.7	-	1.5	6.0	-	
8	9.5	3.4E	3.7	0.3	-	-	T	0.8	T	2.8	5.9	T	
9	1.4	9.6E	0.3	0.4	-	0.6	0.3	9.8	-	0.8	14.5	0.1	
10	T	24.4	T	1.8	2.9	1.0	T	2.4	T	T	0.2	0.1	
11	5.4	18.6	16.4E	2.1	3.1	11.8	2.4	0.3	2.7	-	11.4	-	
12	6.3	10.7	1.1E	12.0	T	-	T	-	T	-	0.2	0.4	
13	T	0.3	T	-	-	-	0.4	-	-	-	T	-	
14	-	-	-	1.2	-	-	-	-	-	3.3	0.2	1.1	
15	T	5.0	0.3	T	-	-	-	-	-	2.2	0.6	T	
16	T	3.3E	4.9	0.8	0.2	-	-	-	-	2.9	6.9	0.6	
17	T	25.3E	T	0.5	-	-	-	-	-	9.8	6.1	5.4	
18	-	7.2	T	5.8	1.5	-	-	-	T	3.7	0.3E	19.7	
19	0.3	0.9	T	0.7	10.3	-	-	-	0.3	3.2	36.0E	25.6	
20	T	0.1	2.1	T	-	-	-	1.4	-	27.6	0.1E	1.2	
21	0.4E	2.2	4.1	T	2.5	T	-	T	2.3	T	3.3E	-	
22	0.5E	0.8	4.7	14.6	10.9	-	-	13.9	T	T	4.9	1.1	
23	T	6.3	2.8	1.8	16.0	-	6.1	13.0	-	T	3.9	0.1	
24	T	9.0E	0.2	2.1	T	-	0.7	32.8	4.7	5.5	29.0	0.5	
25	-	4.0E	T	0.4	3.3	1.2	-	8.0	T	1.3	1.8	-	
26	8.0E	0.2	0.5	-	10.8	0.7	0.3	3.2	1.6	6.9	T	2.5	
27	T	-	2.4	T	0.4	1.9	T	T	0.7	1.9	-	1.5	
28	T	T	3.9	0.1	3.3	5.3	4.7	1.2	21.0	10.3	15.2	T	
29	T	T	0.1	6.3	7.8	2.3	T	-	14.8	T	26.7	2.2	
30	T	-	T	4.2	0.2	10.0	2.7	-	0.1	4.7	3.1	2.3E	
31	-	-	-	-	0.2	-	-	-	-	14.5	-	6.0E	
Totals:	55.4	137.1E	49.2E	55.1	83.5	56.8	50.1	113.8	50.4	129.1	254.4E	123.0E	1157.9
Average	167	113	137	108	91	101	95	123	130	142	160	159	1526
% of Av	33	121	36	51	92	56	53	93	39	91	159	77	76

TABLE 20

Name : Shardlow Hall Station Number : 106070 Rainfall in mm 1996

Day No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1	0.4E	-	-	-	1.9	-	8.5	-	-	-	0.7E	0.6E	
2	0.2	-	0.1E	-	-	0.5	3.8	-	0.2	-	0.7E	12.0	
3	-	-	0.2E	-	-	-	2.3	-	-	5.7	2.6E	0.7	
4	1.5	-	-	-	-	-	-	-	-	2.4E	3.6	0.2	
5	4.9	-	-	-	-	-	-	0.4	-	0.3E	2.8	-	
6	5.5E	2.3	-	-	0.2E	-	-	9.2	-	0.2E	3.7	0.1E	
7	0.8E	1.1	-	-	-	10.3	-	-	-	0.7	4.8	0.1E	
8	5.3	3.0	3.0	-	-	-	-	-	1.0E	7.1	-	-	
9	0.1	3.6E	-	0.3E	-	0.5E	-	2.6E	-	-	-	-	
10	-	1.8E	-	2.0	-	0.3E	-	2.3E	-	-	-	0.1E	
11	1.3	8.2E	5.0	0.8	-	8.8	-	-	0.5	-	9.7	-	
12	0.8E	2.5	0.2E	8.5	-	-	-	-	-	-	-	0.5	
13	-	-	-	-	-	-	-	-	-	-	-	-	
14	-	-	-	0.4	-	-	-	-	-	1.6	2.2	-	
15	-	-	0.2E	-	-	-	-	-	-	0.3	-	-	
16	0.2	0.1E	2.5E	0.2	-	-	-	-	-	-	4.3E	-	
17	0.1	4.1E	-	-	-	-	-	-	-	4.7	2.9E	1.9	
18	-	4.0E	T	2.4	4.2E	-	-	-	-	0.1E	1.7E	13.9	
19	-	0.6	-	-	-	-	-	-	-	1.0E	17.9E	19.1E	
20	0.8E	-	6.3	0.4E	0.5	-	-	2.1	-	6.3E	-	0.2E	
21	-	2.2	2.7	-	1.0	-	-	-	-	-	-	-	
22	0.1	0.4	4.0E	11.6	-	-	0.4	7.1	-	-	-	-	
23	0.7	1.8E	0.6E	1.4	8.1	-	-	7.1E	-	-	2.7E	-	
24	-	2.0E	-	-	2.2E	-	6.8	7.7E	2.2	1.7	11.6E	-	
25	-	2.9E	-	-	0.2E	-	-	2.6E	-	1.2E	2.9	-	
26	2.3E	-	0.9	-	2.3E	0.3	0.5E	3.3E	-	5.8E	-	0.1E	
27	0.4E	-	0.1	-	0.5E	1.7	-	1.1	-	1.9E	-	0.2E	
28	-	-	-	0.7E	-	4.5E	9.1E	5.3	2.9E	6.6	5.1	-	
29	0.7	-	-	-	4.0	-	-	-	0.5E	-	4.8E	0.2E	
30	-	-	-	6.0	-	0.9E	-	-	-	1.1	0.6E	0.7E	
31	-	-	-	-	-	-	-	-	-	1.0	-	-	
Totals:	26.1E	40.6E	25.8E	34.7E	25.1E	27.8E	31.4E	50.8E	7.3E	49.7E	85.3E	50.6	455.2
Average	55	46	49	48	48	55	49	57	52	54	57	62	632
% of Av	47	88	53	72	52	51	64	89	14	92	150	82	72

TABLE 21

Name : Ulverscroft Station Number : 114807 Rainfall in mm 1996

Day No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1	0.2	-	0.2	-	2.6	0.2	4.5	-	-	-	2.0	0.7	
2	0.1	0.4	1.2	-	0.2	-	2.6	-	2.7	0.1	1.0	13.2	
3	0.1	0.1	1.5	-	-	0.6	3.3	-	0.9	5.3	3.5	0.6	
4	1.4	-	-	-	-	-	3.6	-	-	0.7	1.4	0.2	
5	5.4	1.3	-	-	-	-	-	0.3	-	0.3	3.7	-	
6	4.6	3.9	0.2	-	0.2	-	-	3.7	-	0.1	2.9	-	
7	1.8	0.3	-	-	-	5.8	-	-	-	-	3.2	-	
8	10.4	2.2	3.8	-	0.2	-	-	0.2	0.9	6.2	0.1	-	
9	T	4.8	-	-	-	1.5	-	2.8	-	-	-	0.1	
10	-	1.7	-	5.2	0.6	0.5	-	4.7	-	-	-	0.4	
11	4.0	10.6	8.5	1.8	0.2	6.2	1.2	0.1	2.3	-	6.9	-	
12	2.1	5.4	-	11.1	-	-	0.2	-	-	-	-	0.4	
13	-	0.5	-	-	-	-	0.2	-	-	-	-	-	
14	-	-	-	-	-	-	-	-	-	2.0	2.7	-	
15	0.1	-	0.2	-	-	-	-	-	-	-	-	-	
16	0.3	-	2.4	0.2	-	-	-	-	-	-	5.2	0.3	
17	0.2	3.8	-	-	-	-	-	-	-	7.8	10.3	1.0	
18	-	4.8	-	2.2	5.2	-	-	-	-	-	3.5	11.0	
19	-	12.3	-	-	0.5	-	-	-	0.2	2.7	19.3	23.2	
20	0.8	0.1	7.3	0.2	0.6	-	-	16.8	-	8.9	-	-	
21	-	3.9	1.9	-	1.8	-	-	-	-	-	-	-	
22	-	2.5	4.7	12.0	3.0	-	1.4	29.0	-	-	-	-	
23	5.0	7.2	0.3	0.8	6.0	-	1.6	3.2	-	-	0.5	-	
24	-	3.4	-	-	2.0	-	9.9	2.9	1.6	3.1	13.4	-	
25	-	5.1	-	0.2	-	-	-	9.2	-	1.6	4.0	-	
26	6.5	-	0.3	-	1.9	0.7	0.7	4.6	3.1	8.2	-	1.1	
27	0.2	-	-	-	0.5	1.1	-	0.6	-	1.5	0.4	0.4	
28	-	-	0.6	0.1E	0.7	7.8	9.1	3.5	4.2	10.0	6.9	-	
29	-	-	-	-	6.4	-	1.7	-	2.4	-	1.2	0.2	
30	-	-	-	5.5	-	0.2	1.8	-	-	3.0	0.8	2.9	
31	-	-	-	-	-	-	-	-	-	3.5	-	2.8	
Totals:	43.2	74.3	33.1	39.3E	32.6	24.6	41.8	81.6	18.3	65.0	92.9	58.5	605.2
Average	64	54	58	55	58	64	53	68	56	57	65	70	722
% of Av	68	138	57	71	56	38	79	120	33	114	143	84	84

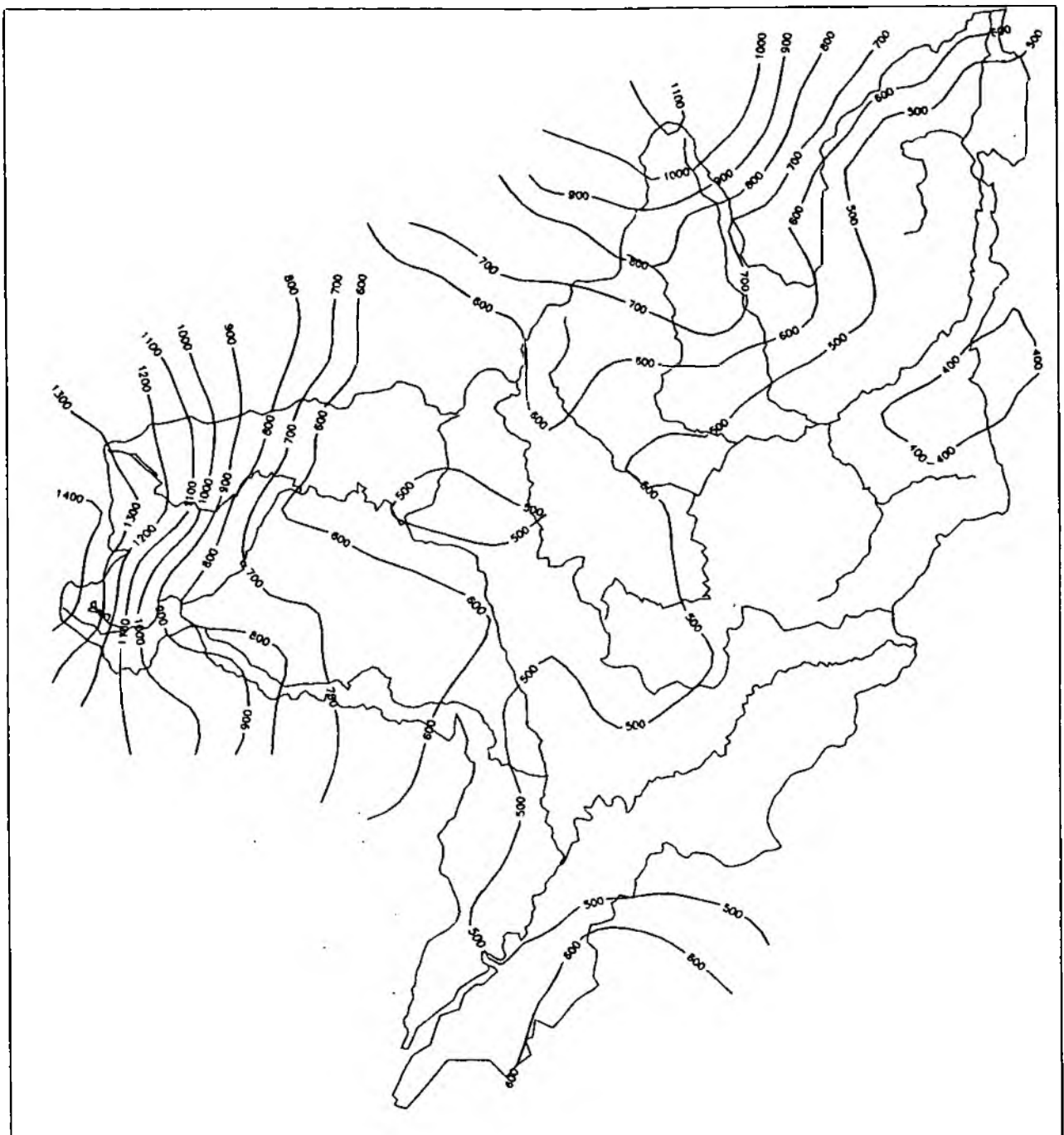
TABLE 22

Name : Keadby P Sta Station Number : 128856 Rainfall in mm 1996

Day No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1	-	-	0.4	-	3.2	0.2	4.0	-	0.2	4.1E	0.7	-	
2	0.8	-	3.1	-	0.3	-	2.1	-	1.8	-	0.2	7.6	
3	-	-	0.5	-	-	0.3	4.1	-	-	4.0	4.4	0.5	
4	3.0	0.8	0.2	-	-	-	1.1	-	-	0.9	0.4	-	
5	5.0	-	-	-	-	-	-	-	-	0.5E	4.2	0.2	
6	4.6	-	-	0.2	-	-	-	14.9	-	-	3.8	-	
7	0.2	-	-	-	-	8.7E	3.2	1.0	-	1.0	2.6	0.4	
8	6.4	2.2	2.8	-	-	-	-	-	-	2.1	-	-	
9	0.6	5.0	-	-	-	1.3E	-	6.6	-	-	0.2	-	
10	0.2	3.2	-	1.8	0.6	1.4	-	0.5	0.6	-	-	-	
11	1.9	9.3	4.0	-	-	4.6	1.3E	-	0.2	-	8.9	-	
12	0.8	9.0	0.2	-	-	-	-	-	0.5	-	-	0.6	
13	-	0.8	-	-	-	-	-	-	-	-	-	-	
14	-	-	-	-	-	-	-	-	-	-	0.4	-	
15	-	0.5	-	-	-	-	-	-	-	-	0.2	-	
16	0.5	-	0.3	-	-	-	-	-	-	-	8.0	0.2	
17	0.3	4.1	-	1.0	-	-	-	-	-	7.9E	1.2	3.0E	
18	-	1.0	-	2.7	3.6	-	-	-	1.0	0.1E	-	18.6	
19	-	1.2	-	-	-	-	-	-	-	-	25.3	26.0	
20	-	-	-	1.3	0.8	-	-	0.6	-	9.7	0.3	0.5	
21	-	2.2	4.2	-	0.4	-	-	-	1.5	-	0.4	-	
22	-	-	2.6	11.4	2.8	-	-	5.3	-	-	-	0.8	
23	-	0.8	0.7	0.1	5.8	-	42.0	6.3	-	-	0.4	-	
24	-	6.4	0.2	-	-	-	-	3.6	0.6	1.6	9.9	0.2	
25	-	0.2	-	0.1	-	-	-	0.6	-	1.2E	0.8	-	
26	9.1	-	0.3	-	0.9	0.9	0.2	12.0	0.7	0.4E	-	2.7	
27	3.1	-	-	-	-	1.2	-	-	-	0.2	0.5	1.2	
28	-	-	0.7	0.4	0.5	3.4	1.2	1.4	4.3	5.5	4.7	-	
29	-	-	-	1.0	3.2	-	8.0	-	7.7	-	0.2	0.6	
30	-	-	-	16.6	0.3	-	-	-	-	1.1	0.2	7.2	
31	-	-	-	-	-	-	-	-	-	10.2	-	5.0	
Totals:	36.5	46.7	20.2	36.6	22.4	22.0E	67.2E	52.8	18.8	50.5E	77.9	75.3E	526.9
Average	47	34	47	46	47	51	51	61	50	47	52	53	586
% of Av	78	137	43	80	48	43	132	87	38	107	150	142	90

FIGURE 20

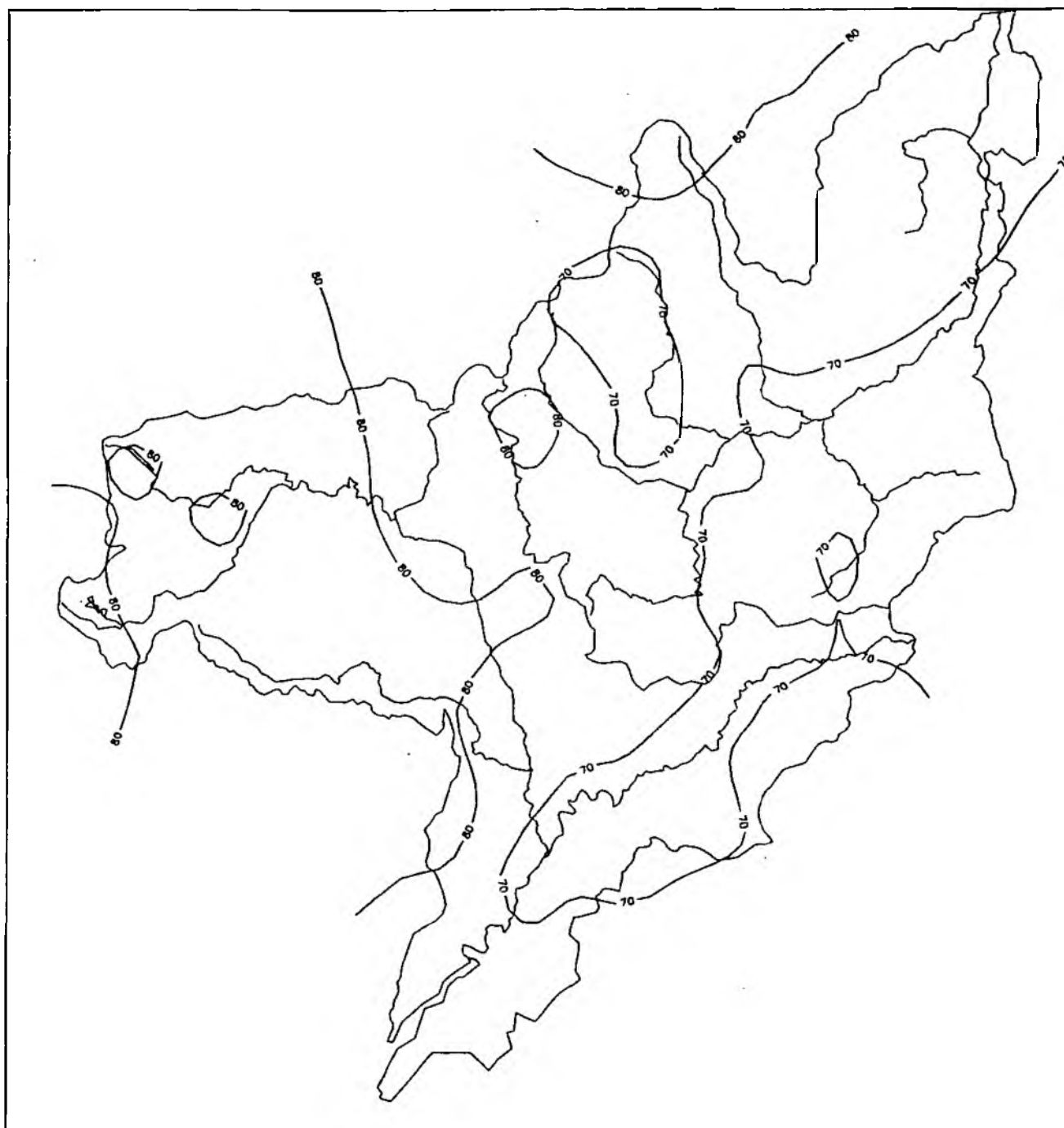
MAP OF 1996 MIDLANDS REGION ANNUAL RAINFALL



—700— Rainfall in mm

FIGURE 21

MAP OF 1996 RAINFALL AS A PERCENTAGE OF THE LONG TERM AVERAGE (1961-1990)



—90 — Percentage of LTA rainfall (1961-90)

TABLE 23
MIDLANDS REGION : AREAL RAINFALL 1996

AREA		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
MIDLANDS	mm	40	61	38	47	47	28	32	64	19	71	86	47	579
	%LTA	57	113	62	85	79	47	60	96	30	111	121	61	77
SEVERN BASIN	mm	45	66	47	57	55	28	34	68	22	79	81	41	624
	%LTA	58	114	73	105	92	49	65	102	32	111	104	47	78
WELSH MOUNTAINS	mm	59	126	78	86	105	38	44	80	47	179	161	61	1063
	%LTA	43	128	72	109	131	54	63	85	43	144	114	39	84
SHROPSHIRE PLAIN	mm	29	50	43	56	52	31	28	63	15	63	66	45	543
	%LTA	47	105	77	110	86	54	53	100	25	104	97	64	76
MID-SEVERN & TEME	mm	60	72	59	64	64	28	32	67	17	79	79	43	665
	%LTA	77	127	90	113	104	50	63	103	24	117	108	53	85
AVON TO EVESHAM	mm	35	51	24	40	34	23	39	64	15	51	62	31	470
	%LTA	63	115	46	85	63	41	75	96	28	99	111	49	72
LOWER SEVERN /ESTUARY	mm	43	47	45	48	40	24	26	66	26	54	64	30	508
	%LTA	66	95	82	95	67	43	52	104	43	94	105	42	73
TRENT BASIN	mm	34	57	29	36	39	28	30	61	16	64	92	54	540
	%LTA	51	110	48	68	71	48	58	95	27	105	136	74	75
UPPER TRENT	mm	33	57	32	52	60	40	28	76	16	70	90	44	598
	%LTA	50	113	55	95	98	65	52	112	26	111	130	61	81
TAME	mm	33	50	25	37	37	25	29	65	10	58	77	43	490
	%LTA	55	104	46	72	65	43	57	100	19	104	129	64	72
DOVE	mm	38	73	34	41	47	31	33	68	25	85	122	63	658
	%LTA	44	117	48	66	73	47	53	92	35	110	143	71	76
DERWENT	mm	49	85	46	44	56	39	34	78	33	95	147	89	793
	%LTA	47	112	53	61	86	55	54	96	40	105	147	85	80
SOAR	mm	32	49	24	29	24	19	30	45	9	51	73	44	429
	%LTA	58	109	48	58	46	34	60	70	17	101	131	73	67
LOWER TRENT	mm	29	51	23	27	24	26	35	49	15	50	85	64	477
	%LTA	56	119	47	54	47	47	70	84	29	99	155	112	77

Rainfall in millimetres (mm)

%LTA - Rainfall total as a percentage of the long term average (1961-90).

5. GROUNDWATER

5.1 Groundwater Hydrographs

During 1996 groundwater levels at the majority of observation borehole sites in the Midlands Region showed a fall in levels which is consistent with below average rainfall throughout the year. In addition, below average rainfall was also recorded for 1995 and hence groundwater levels observed in 1996 reflect the combined effect of a prolonged lack of recharge. In general, however, groundwater levels did not fall to the very low levels observed in 1992/93 with the exception of the Lower Magnesian Limestone and Carboniferous Limestone aquifers.

To show the variations in groundwater levels within the major aquifers in the Midlands Region, twelve representative hydrographs have been selected from the groundwater observation network monitored by the Agency. For each site a groundwater hydrograph has been produced showing groundwater levels from the start of record to the end of 1996 (Figures 23-34). The locations of the example sites are shown in figure 22.

The aquifers which are monitored by these sites are listed below:

Borehole	Aquifer
Swinnow Wood	Sherwood Sandstone
Morris Dancers	Sherwood Sandstone
Hazel Hill	Sherwood Sandstone
Sunnybank Farm	Sherwood Sandstone
Weeford Flats	Sherwood Sandstone
Hodhill Farm	Lower Magnesian Limestone
Rider Point	Carboniferous Limestone
Heath Lanes	Sherwood Sandstone
Check Hill	Sherwood Sandstone
Burcott Lane	Sherwood Sandstone
Shrawley	Sherwood Sandstone
Anthony's Cross	Sherwood Sandstone

In the Nottinghamshire Sherwood Sandstone aquifer, there is a considerable depth to the water table and hence groundwater levels are slow to respond to recharge and seasonal variations are masked. In addition, groundwater in this aquifer has been progressively and heavily abstracted since the turn of the century. During 1996, groundwater levels in the first half of the year showed a continued recovery from the very low levels reached in 1992-93.

However, the second half of the year showed a falling trend in groundwater levels which can be attributed to the combined effect of below average rainfall in 1995 and 1996.

The Heath Lanes observation borehole is located away from the influence of any local groundwater abstractions and is considered to be representative of natural groundwater level fluctuations in the Sherwood Sandstone aquifer in Shropshire. Levels in this borehole in 1996 have continued to show a fall which commenced in mid-1995. This is a general trend which is reflected across the Midlands Region in the Sherwood Sandstone aquifer.

The Carboniferous Limestone aquifer of Derbyshire is represented by the Rider Point observation borehole which shows a typical response to recharge for fissured strata, with annual fluctuations of approximately 30-40 metres. In early 1996, groundwater levels rose in response to recharge but in the second half of the year levels dropped to below 1990/91 levels, which are the lowest levels for 10 years and approached the 1976 minima. Baseflow discharges from this aquifer form a major contribution to overall flow within major public supply rivers, such as the Dove and the Derwent, during periods of dry weather.

The observation borehole at Hodhill Farm monitors groundwater levels in the Lower Magnesian Limestone, which is also a fissured aquifer. However, fluctuations in level are more subdued due to the influence of some intergranular flow. In 1996 the normal rise in level due to winter recharge was almost non-existent with a continued falling trend in levels from early-1995 onwards. This trend and level is similar to those observed in 1976 and 1992.

A complete listing of the observation boreholes within the Region is given in Tables 29 and 30 in the catalogue section. The catalogue includes all routinely monitored observation boreholes. In addition, a listing of the boreholes, gauge-boards and tubewells monitored as part of the extensive Shropshire Groundwater Scheme is included.

This section was produced by the Groundwater Management Team, Olton Court, Solihull.

FIGURE 22

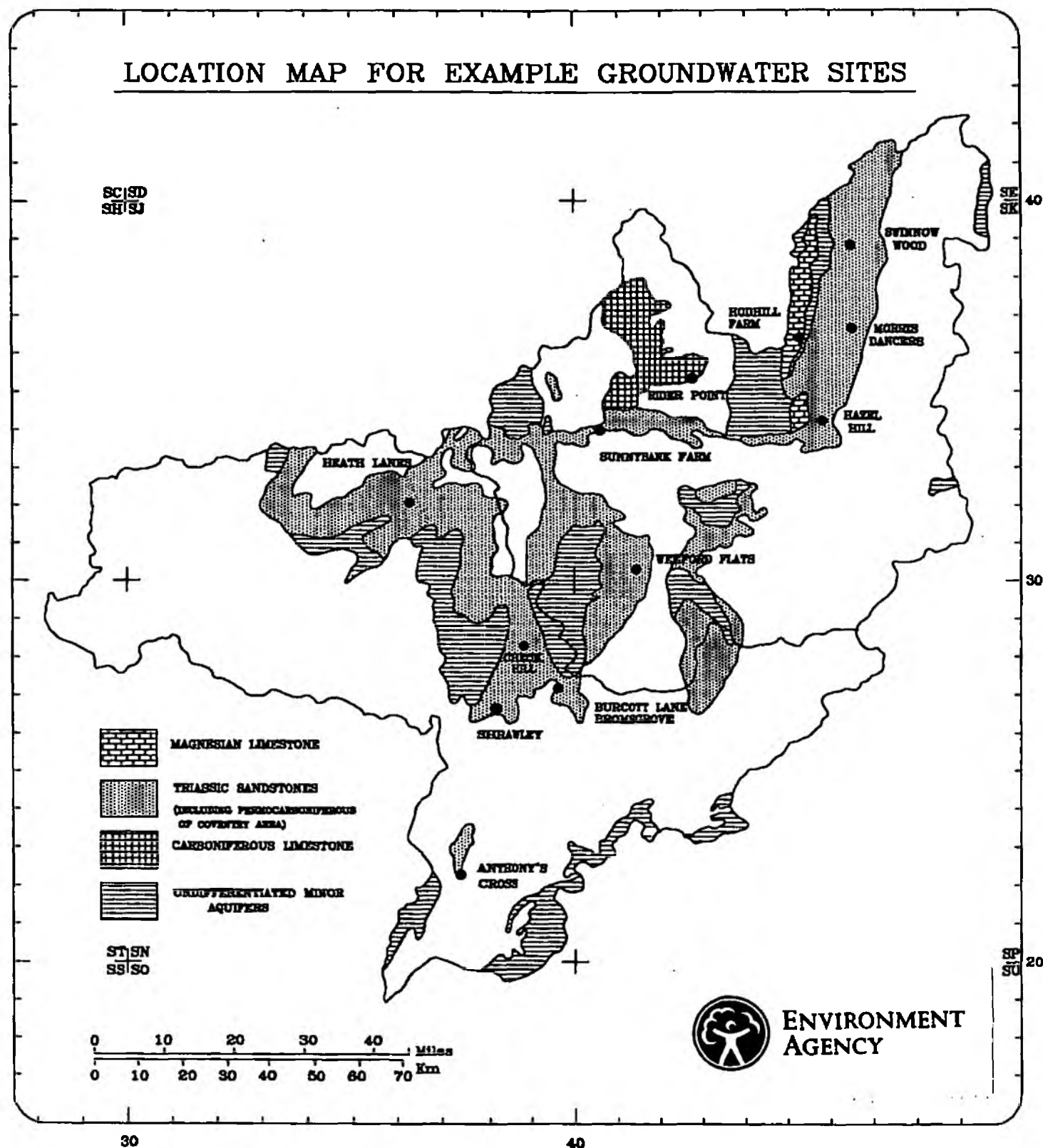


FIGURE 23

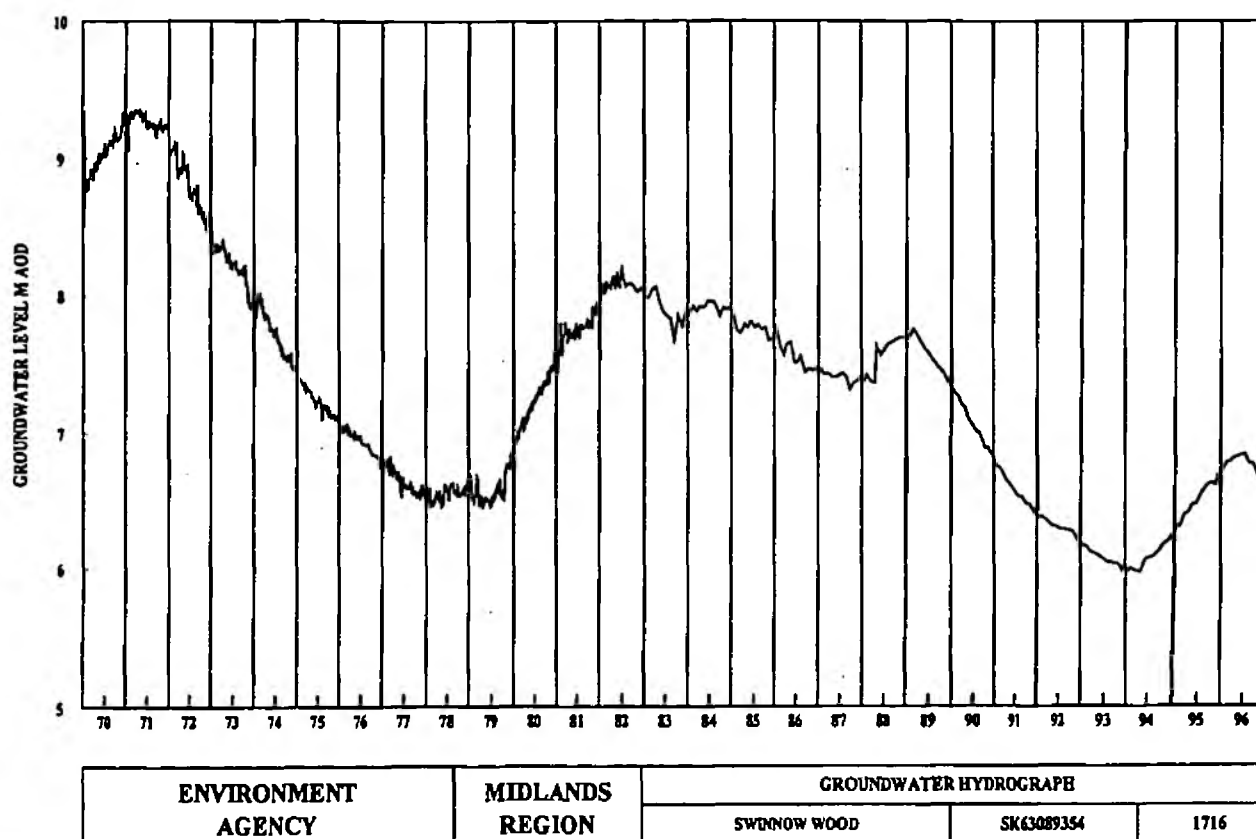


FIGURE 24

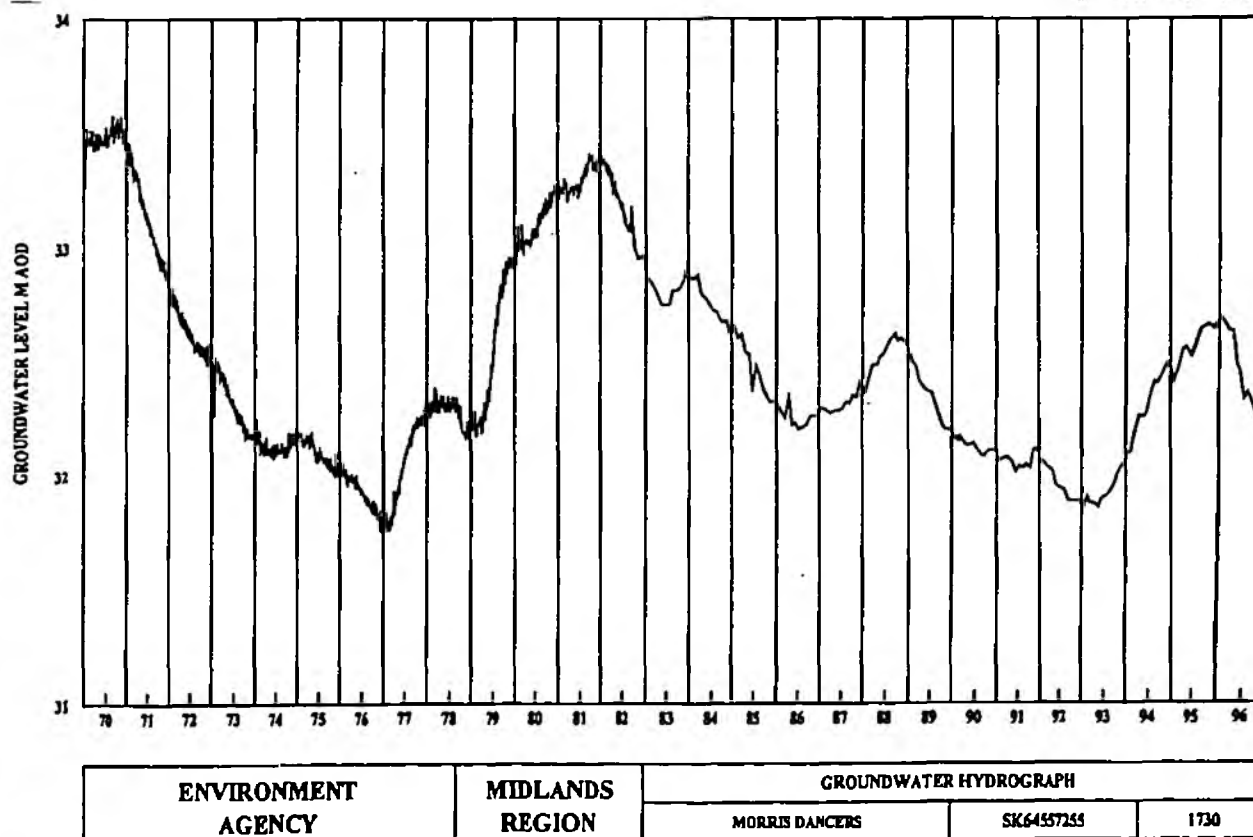


FIGURE 25

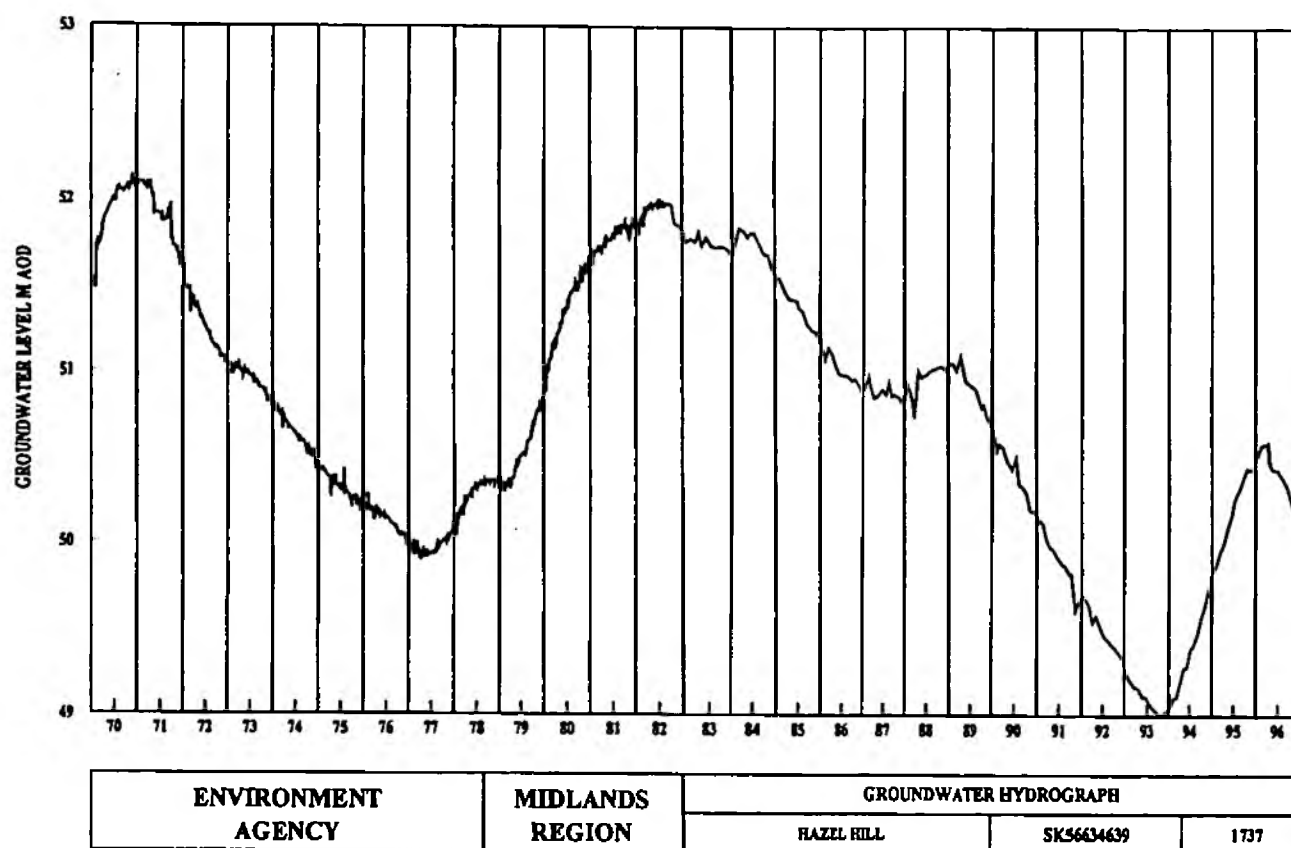


FIGURE 26

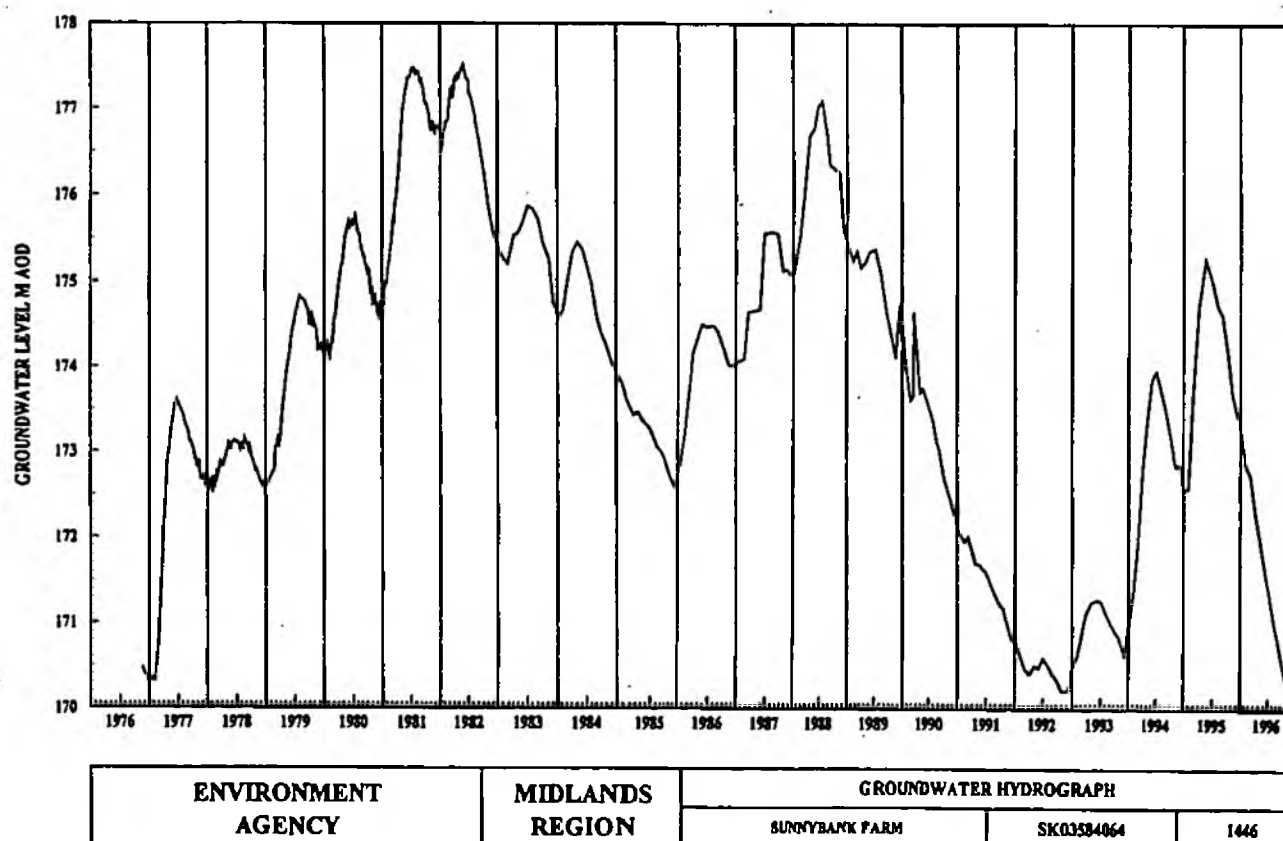
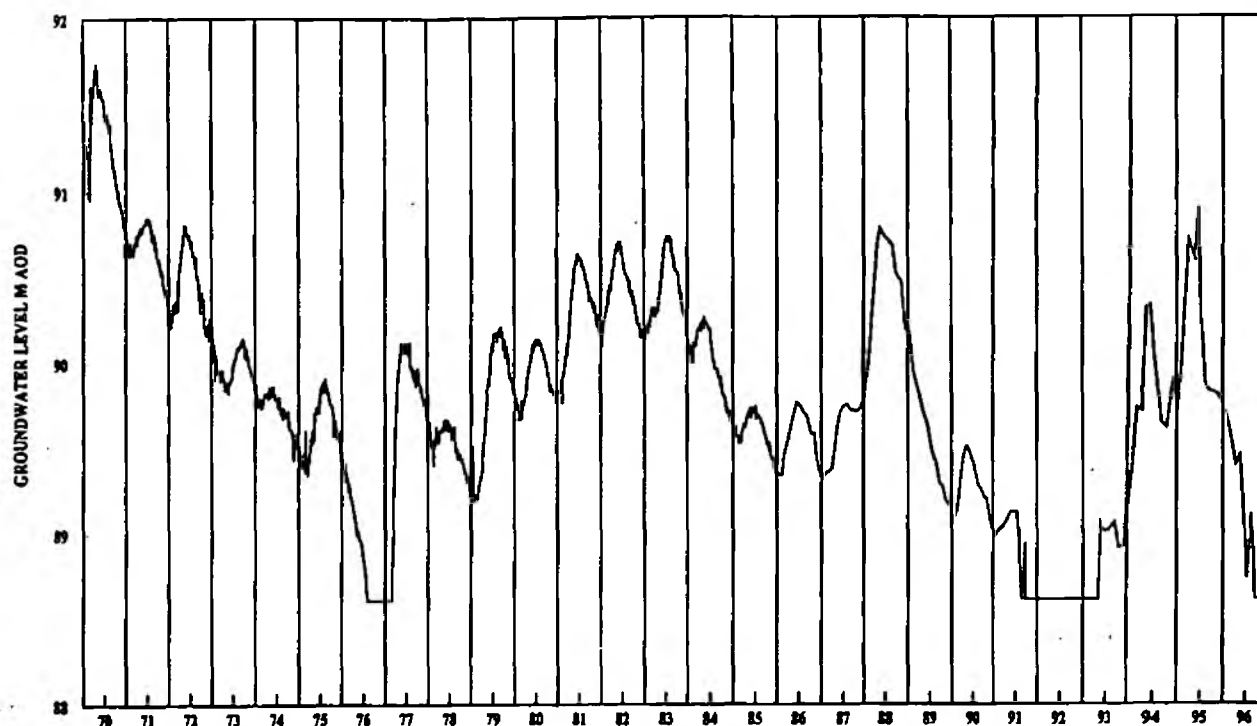
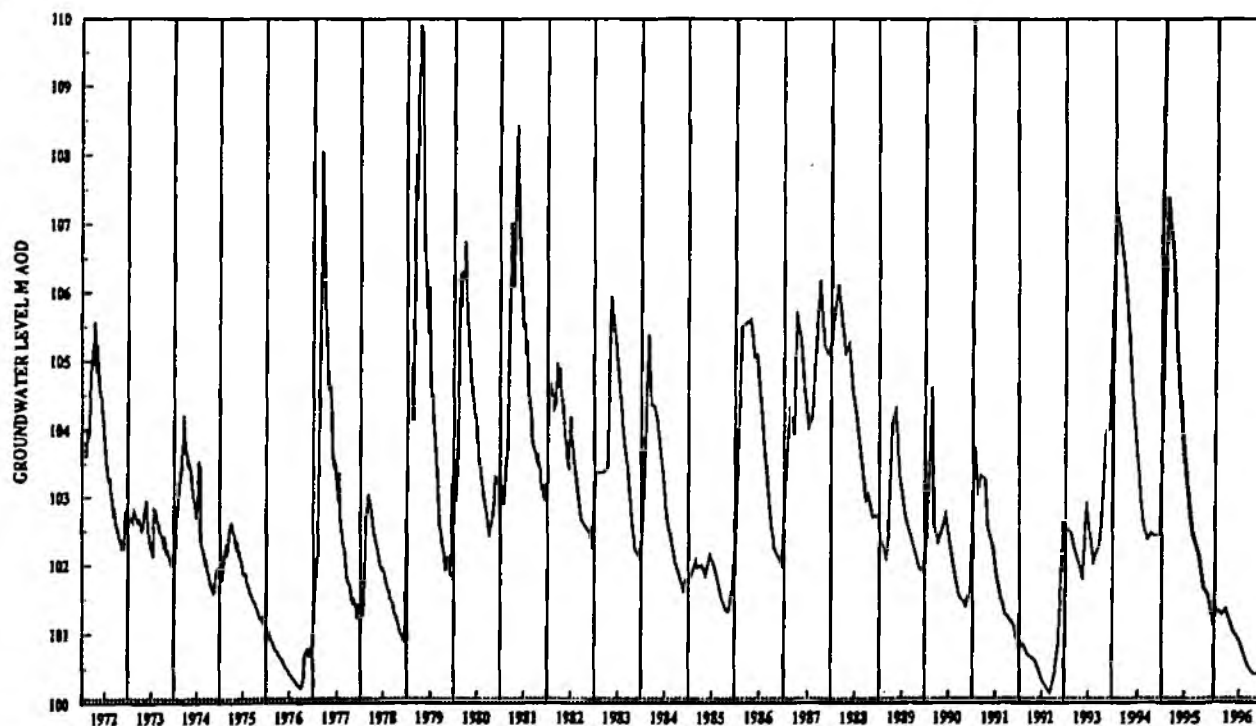


FIGURE 27



ENVIRONMENT AGENCY	MIDLANDS REGION	GROUNDWATER HYDROGRAPH		
		WEEFORD FLATS (SHALLOW)	SK14370461	1200

FIGURE 28



ENVIRONMENT AGENCY	MIDLANDS REGION	GROUNDWATER HYDROGRAPH		
		RODHILL FARM	SK52096634	1766

FIGURE 29

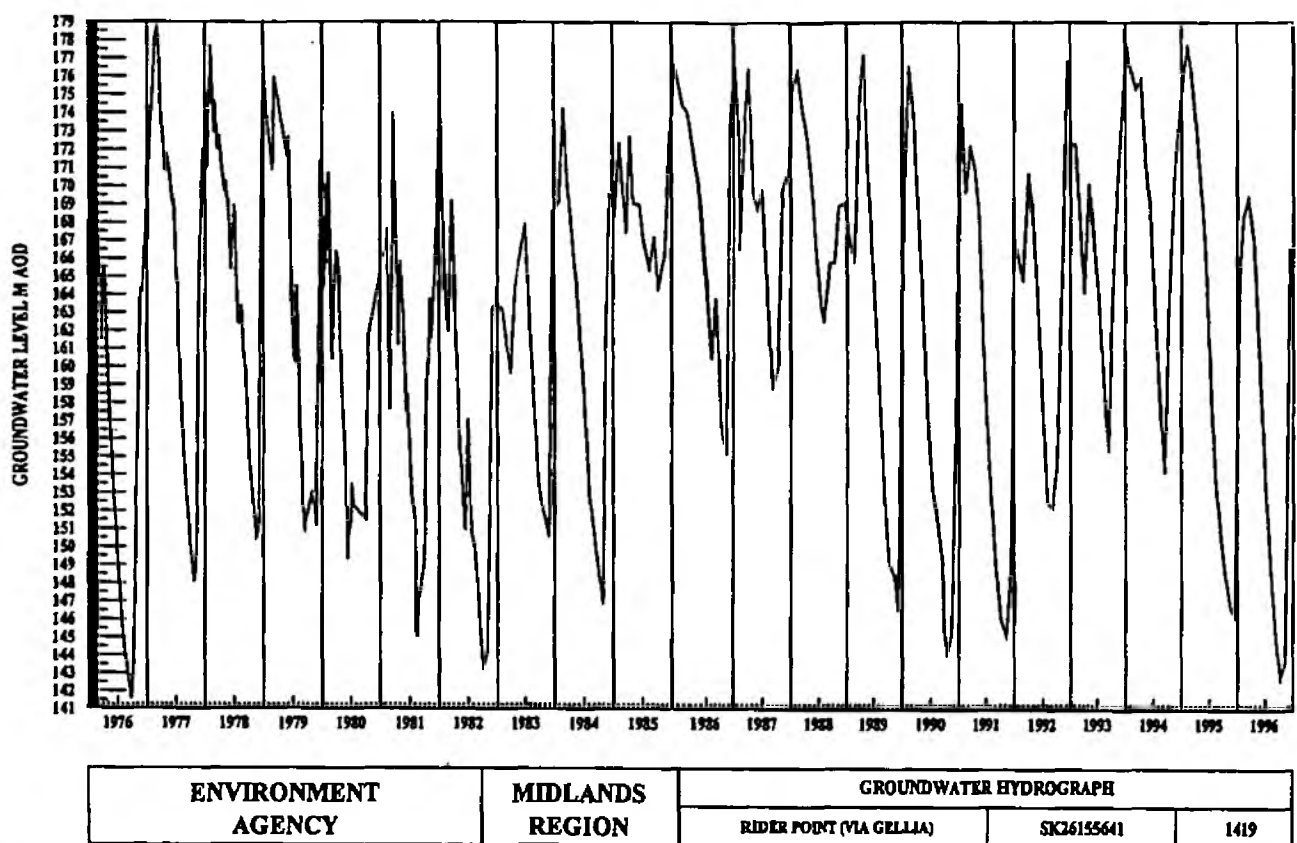


FIGURE 30

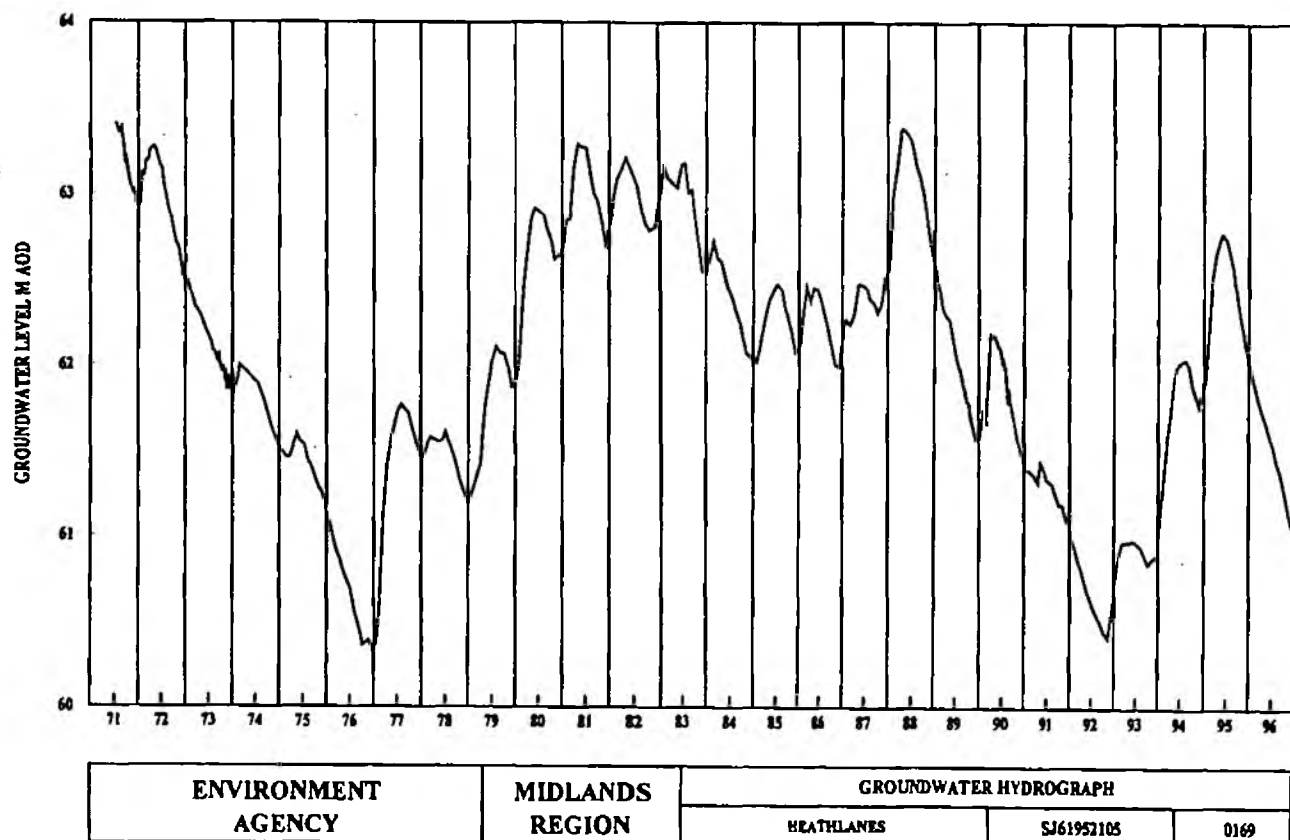


FIGURE 31

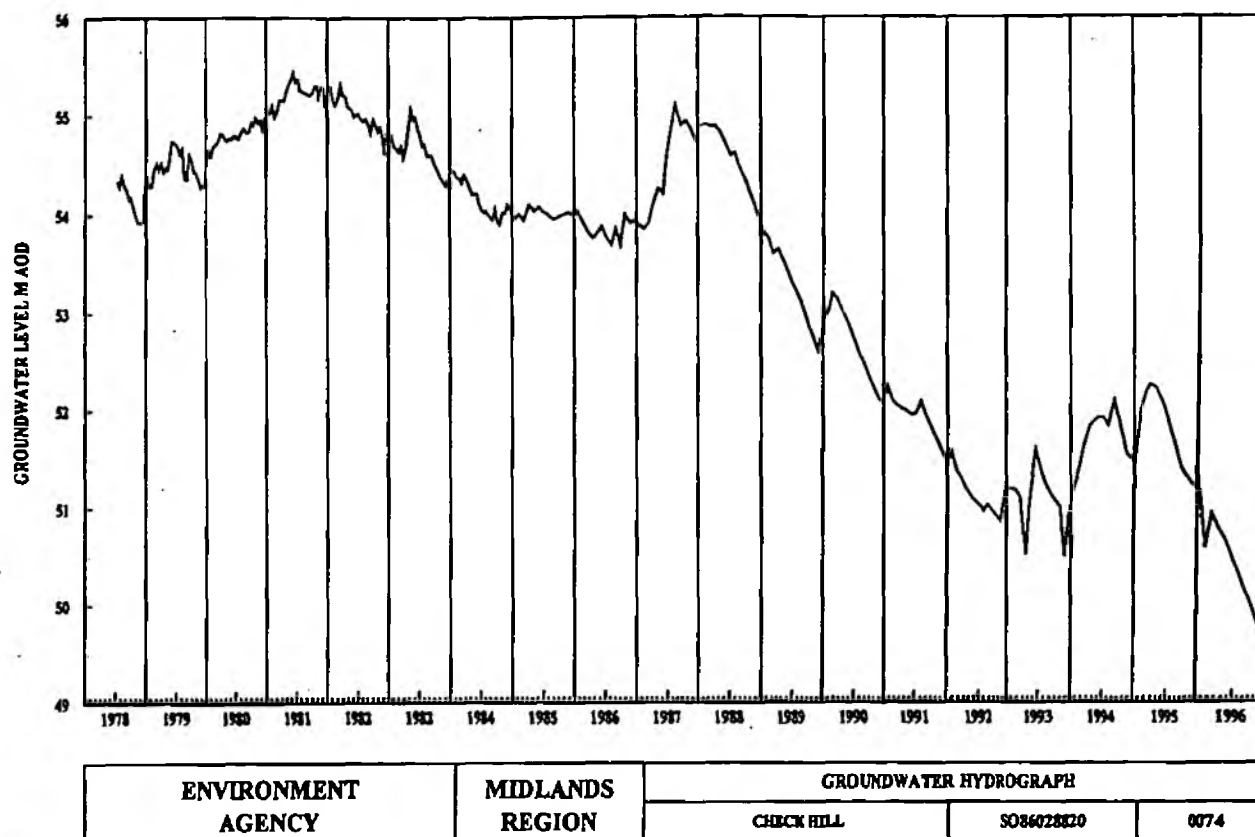


FIGURE 32

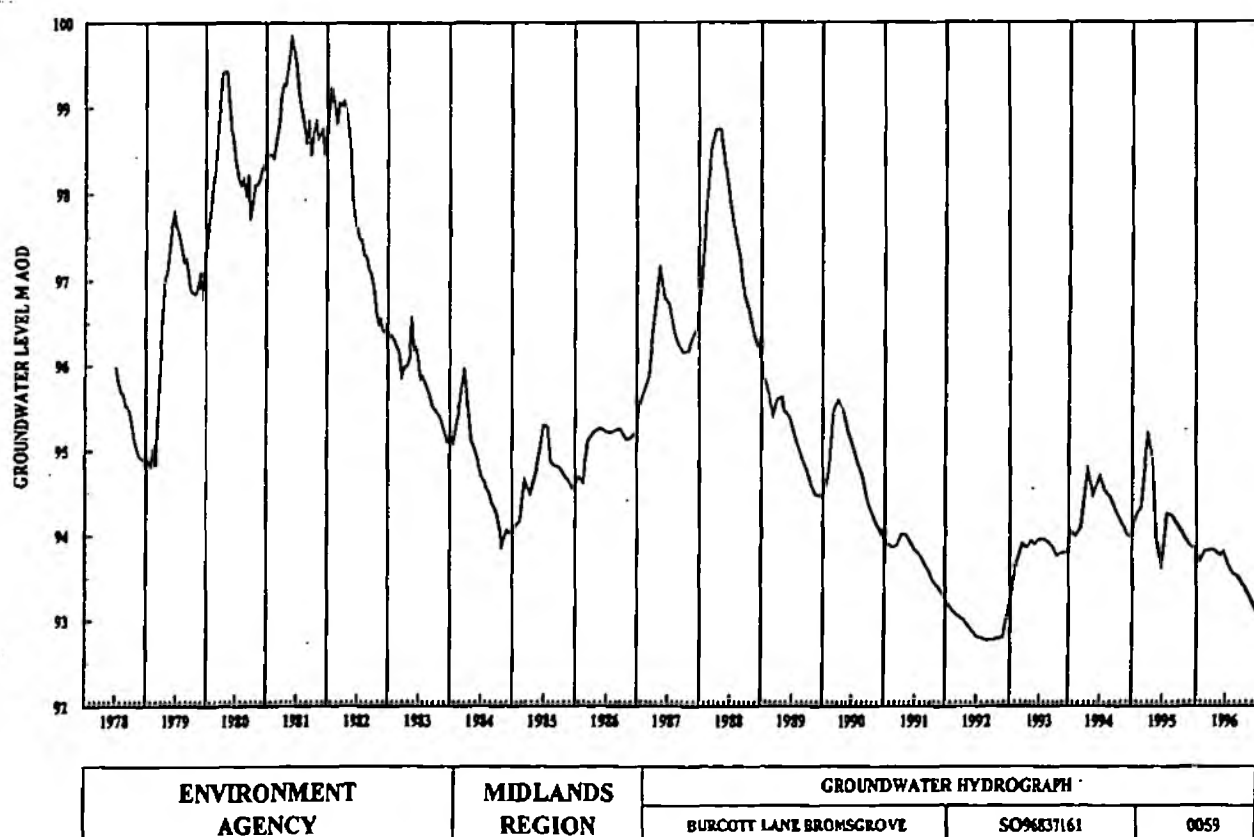
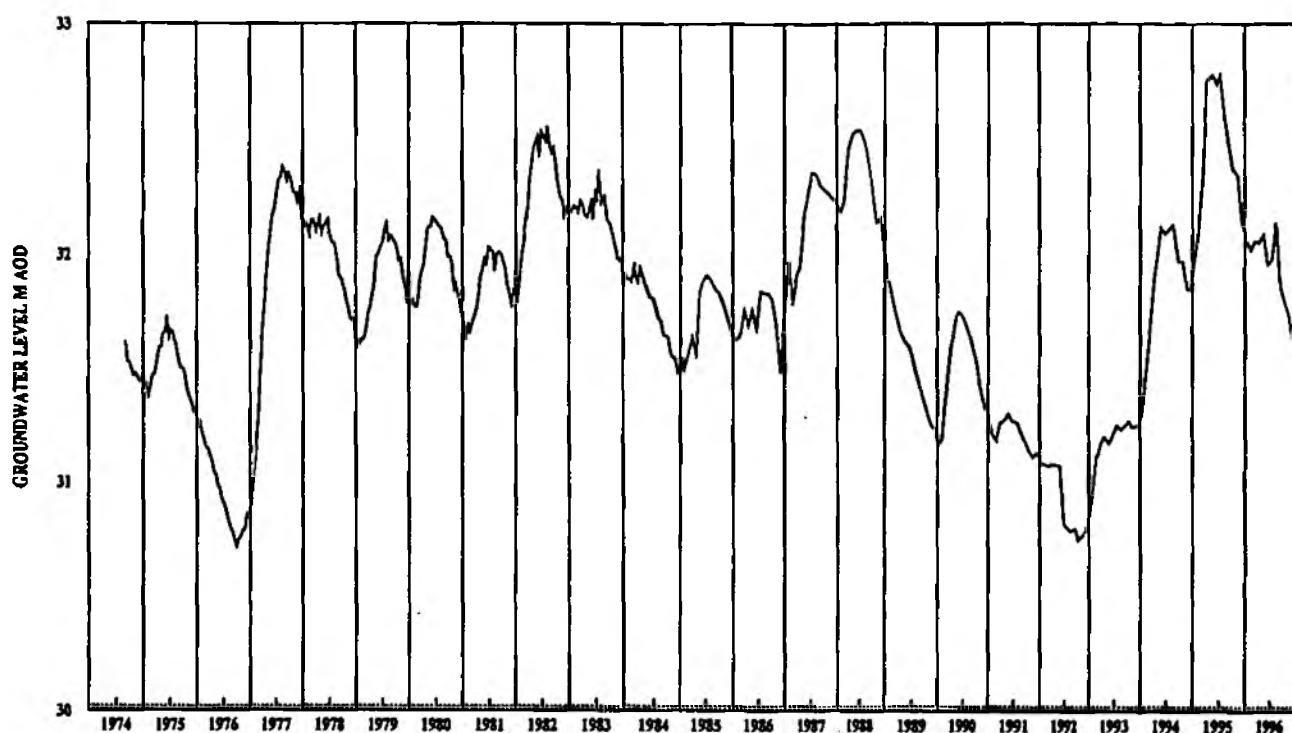
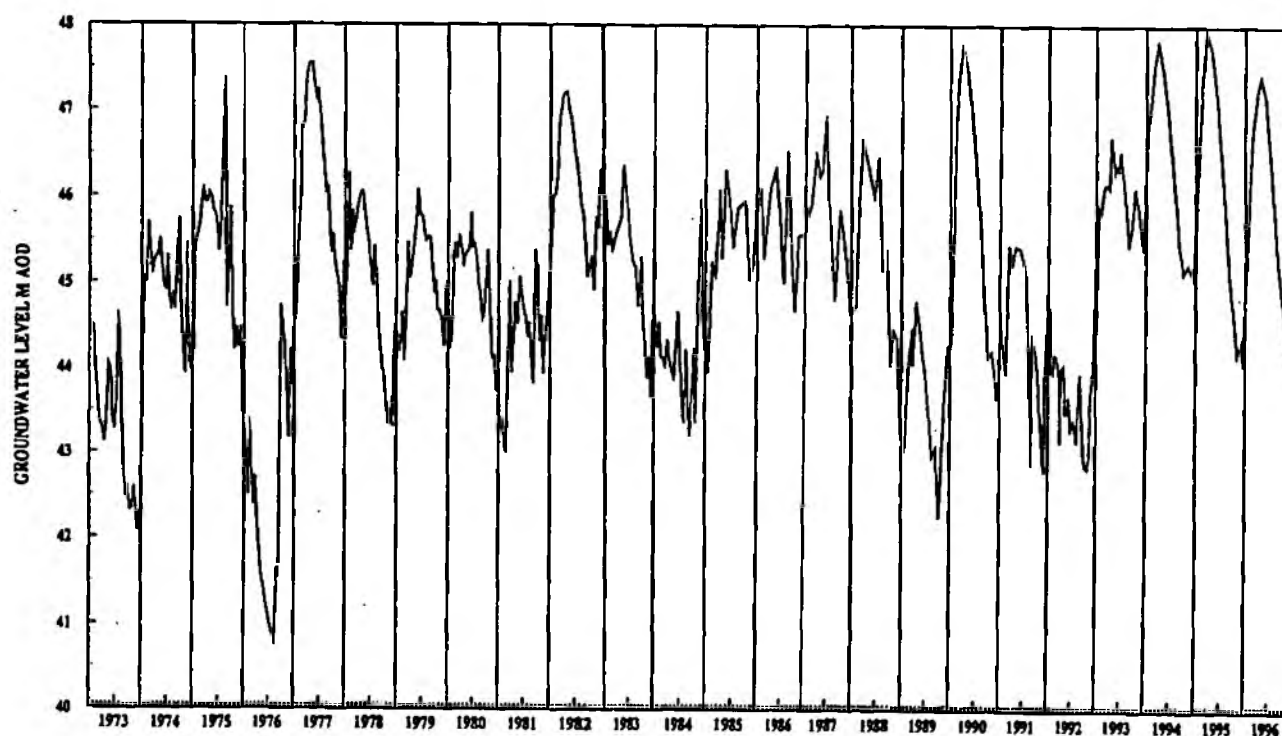


FIGURE 33



ENVIRONMENT AGENCY	MIDLANDS REGION	GROUNDWATER HYDROGRAPH		
		SHRAWLEY NO.2	SO79916633	0364

FIGURE 34



ENVIRONMENT AGENCY	MIDLANDS REGION	GROUNDWATER HYDROGRAPH		
		ANTHONY'S CROSS	SO72192291	0004

6. MISCELLANEOUS DATA

6.1 Soil Moisture and Evapotranspiration

The calculated soil moisture deficits during 1996 for the sub-areas of the Severn and Trent catchments are shown in Figures 35 and 36. Soil moisture deficits remained extremely low or at field capacity for the first three months of the year when rainfall totals were high and temperatures were low. The dry spring and summer caused deficits to increase rapidly, reaching a maximum deficit of 120mm in July. A temporary decrease in soil moisture deficits occurred in August when for one month the rainfall total was not much less than the long term average. The deficits receded swiftly in October and November when rainfall was above the monthly average. By December all areas with the exception of the Avon catchment had deficits of less than 20mm.

The monthly potential and actual evapotranspiration for 1996 for the Severn and Trent catchments are shown in Figures 37 and 38. Potential evapotranspiration is defined as the amount of moisture (measured in millimetres) which would theoretically evaporate and transpire from a surface covered in short grass, assuming moisture was always available. Actual evapotranspiration, on the other hand, takes into account the type of land use and the amount of moisture actually available. The figures are derived from the Met. Office MORECS data service.

The graphs for 1996 show how potential evapotranspiration increased during the spring and reached a peak in July. The actual evapotranspiration values were greatest in May. The difference between potential and actual evapotranspiration was greatest in July when soil moisture deficits were highest and rainfall well below average.

6.2 Water Temperature

Water temperature data is collected at eight river level sites, using temperature sensors that are interfaced to the TGI150 on-site loggers. This information is stored as 15 minute values within the logger and retrieved automatically in conjunction with the level and flow data from the site.

Annual plots of mean daily water temperature for two of the sites; Meifod and Bewdley, are shown in Figures 39 and 40. Long term average monthly minimum and maximum values are also plotted for comparison. The plots show the expected basic pattern with the water temperatures increasing during the spring with the peak in the summer months. The relatively cold periods of 1996 were in January - March, May and late December when the 1996 temperatures dropped below the long term average monthly minimum. Temperatures rose above the long term average monthly maximum in mid January, late April, June and July.

FIGURE 35

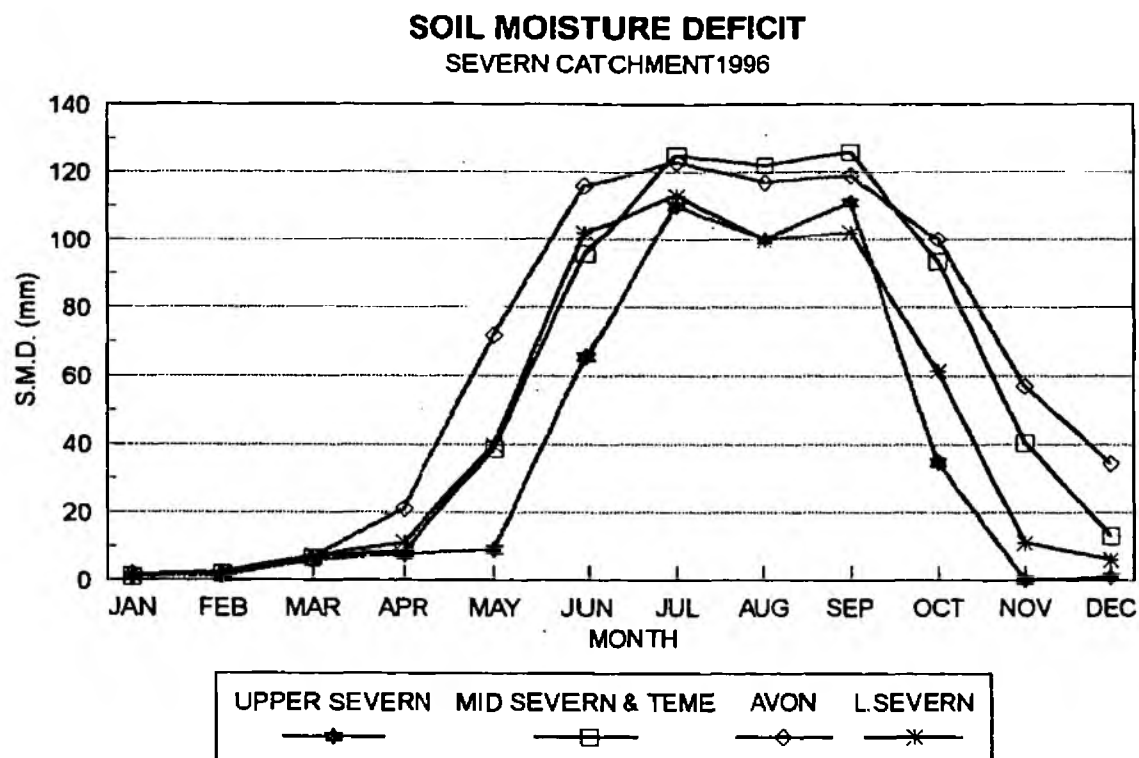


FIGURE 36

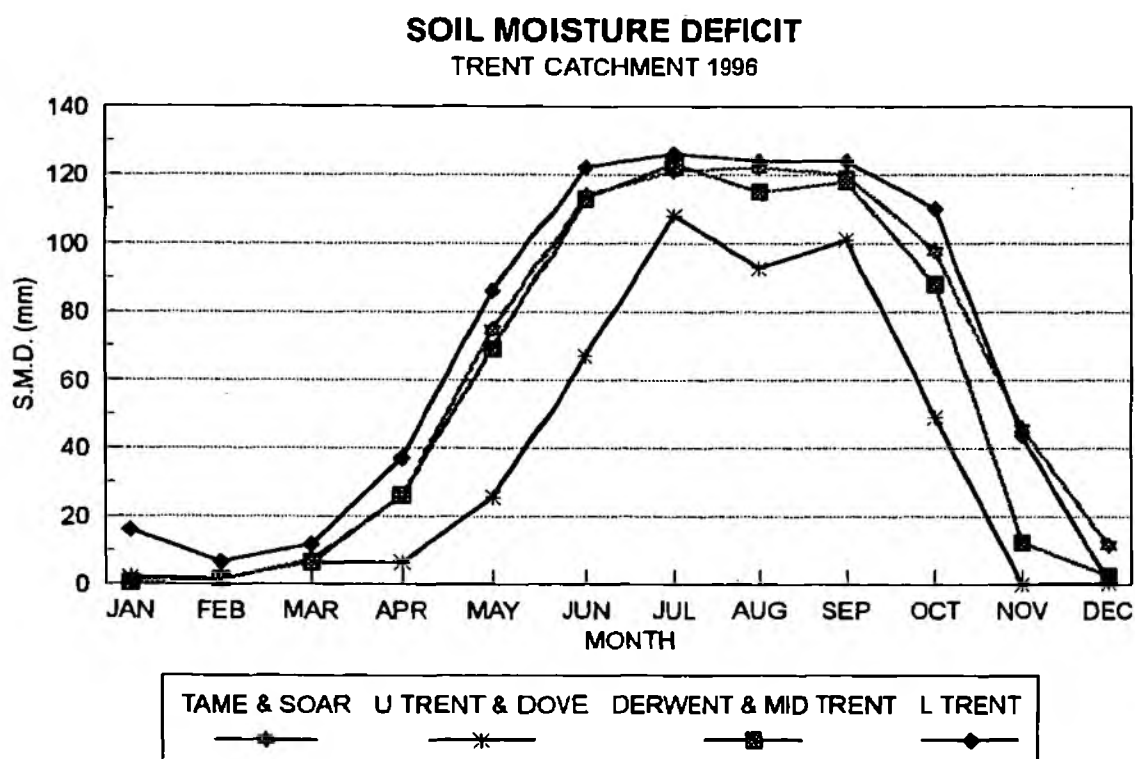


FIGURE 37

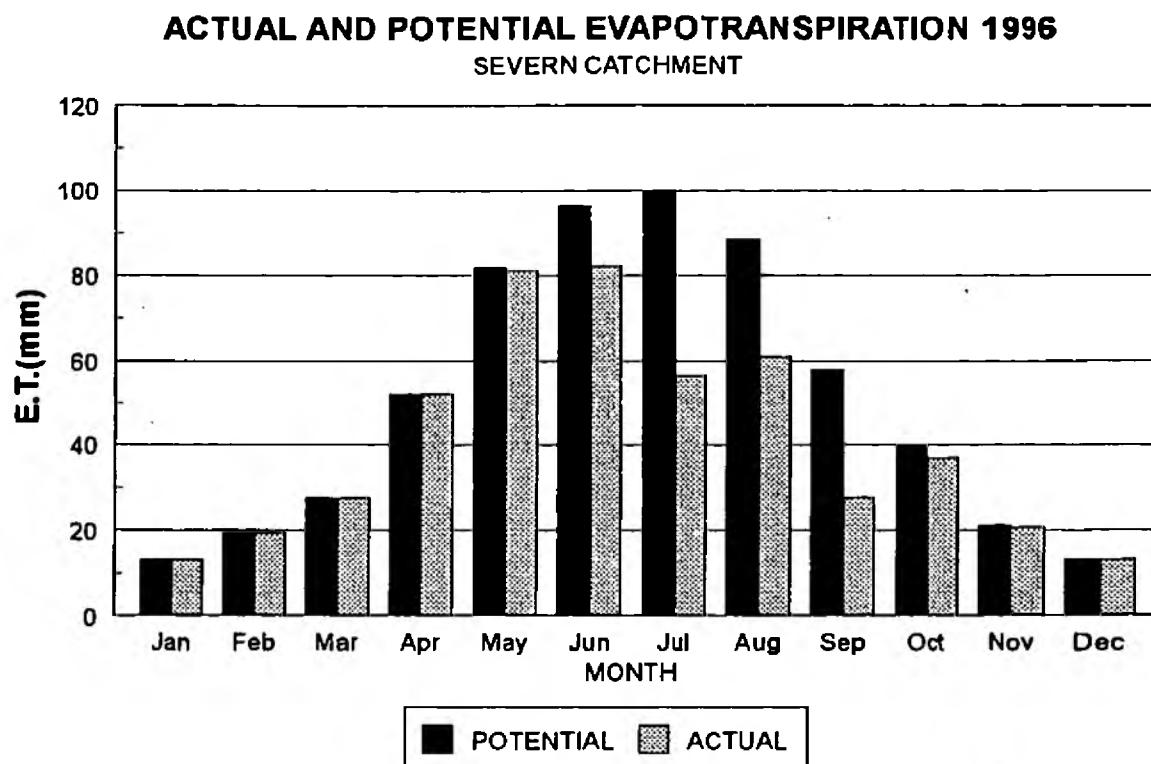


FIGURE 38

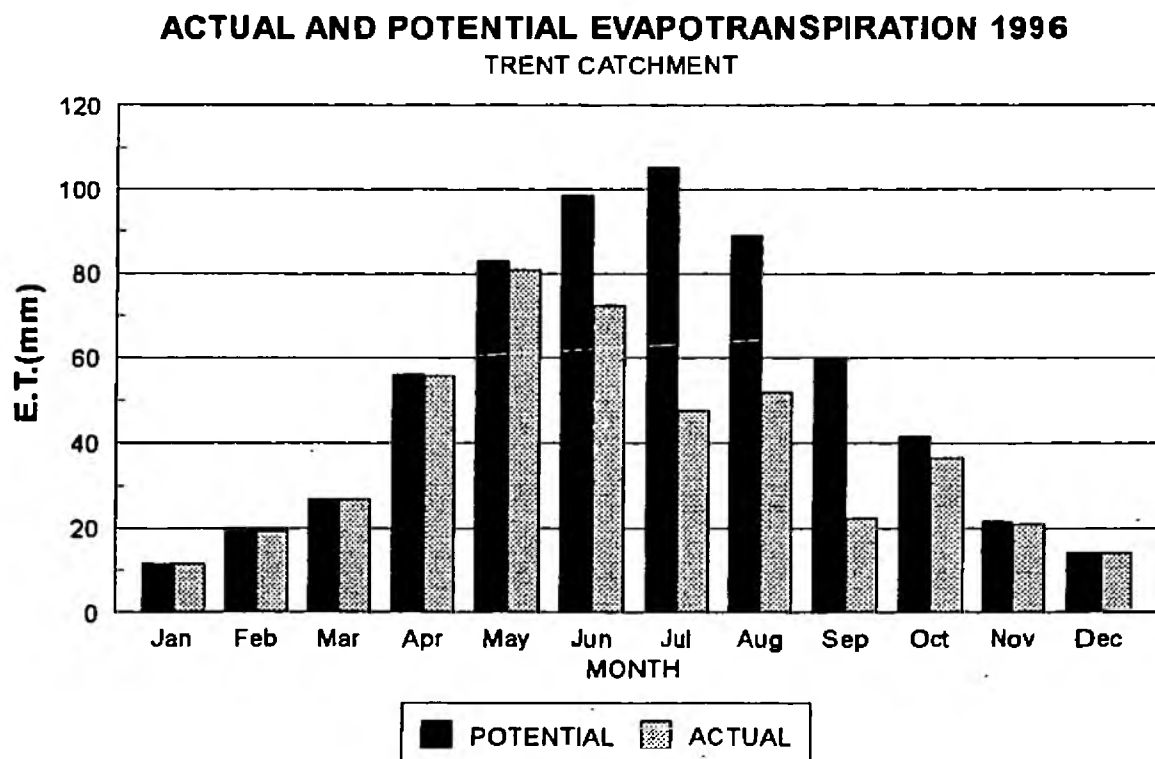


FIGURE 39

E. A. Midlands - Headquarters Hydrometry

Annual Summary Graph

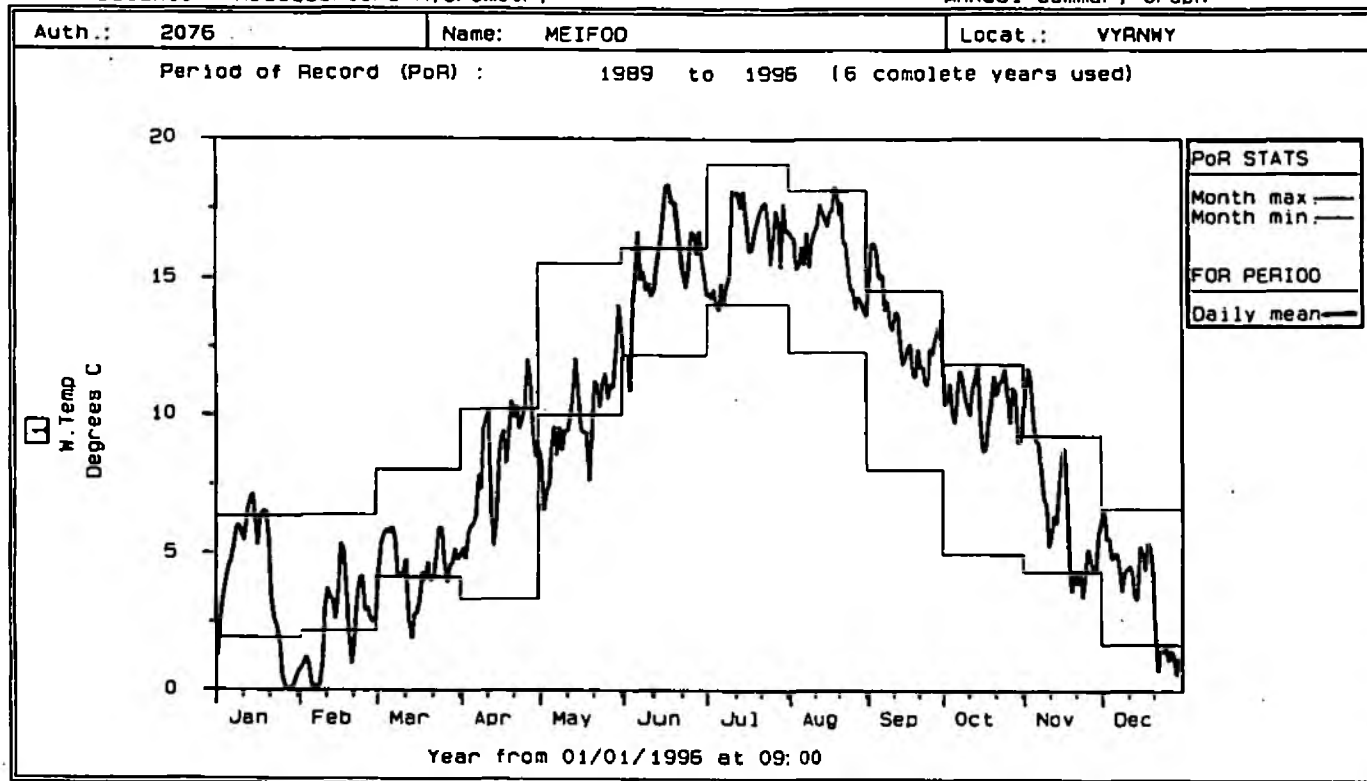
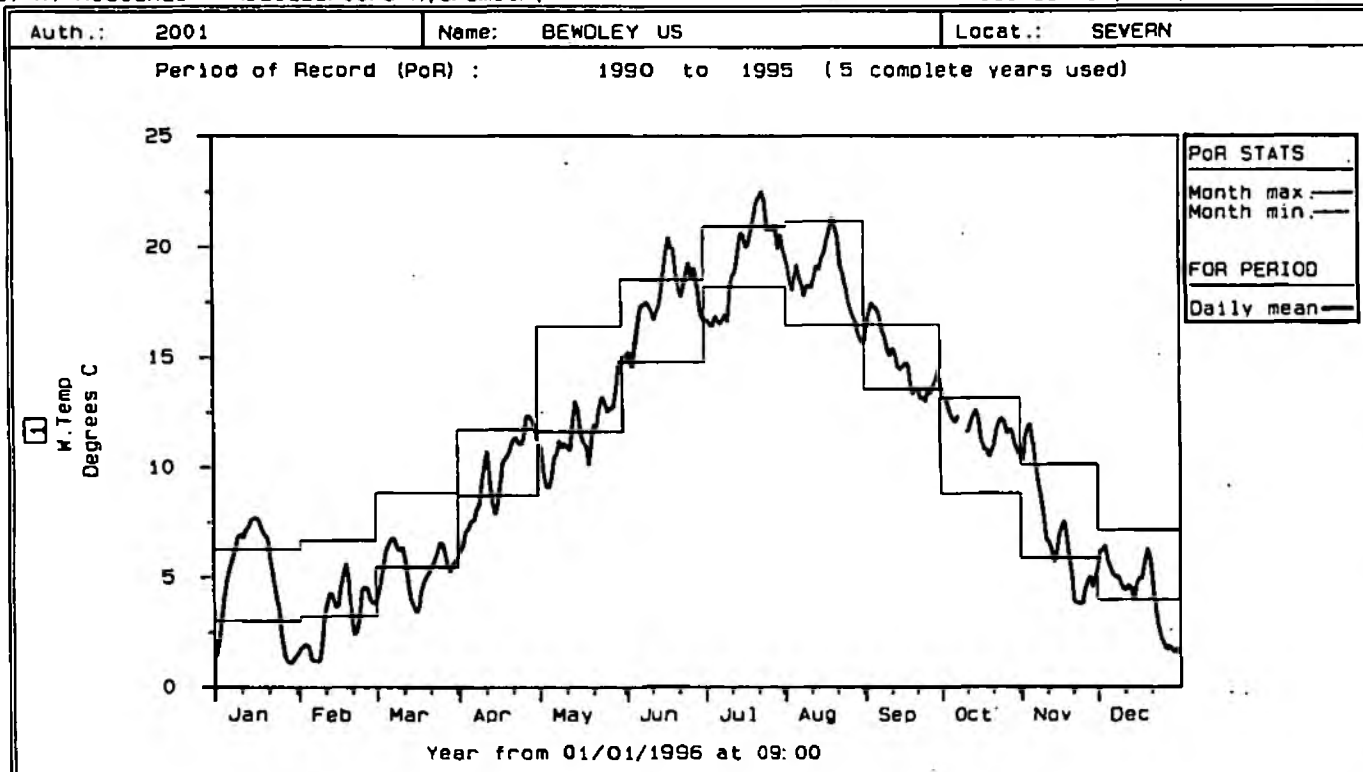


FIGURE 40

E. A. Midlands - Headquarters Hydrometry

Annual Summary Graph



HYDROMETRIC SITE CATALOGUES

The hydrometric site catalogues are produced to show the current extent of the various networks in the region. These networks are not static, and tend to change as the requirement for hydrometric data changes. However, data may be held for sites that are now closed and do not appear in the following tables. The catalogues also do not include the location of temporary logger sites. Further information on these sites can be obtained on request from the Hydrometric Data Team.

The river level and flow station catalogue gives details on all current permanent sites. The catalogue has been subdivided between the Severn and Trent basins and is arranged in downcatchment order, starting at the head of the catchment. The two pull out maps of river level and flow stations only show the more important stations for reasons of clarity.

The operational rainfall intensity catalogue lists the sites at which tipping bucket rainfall gauges are located. The corresponding map shows their location within the region.

The storage gauge rainfall station catalogue 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 Environment Agency, access is available to the data from all sites listed. The stations are presented in Meteorological Office number order which corresponds to downcatchment order from the head 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. However, a number of rainfall intensity gauges have been equipped with air temperature and/or wind run sensors to provide real time data for flood forecasting. Wind speed and direction is now measured at a number of tidal sites on the Severn estuary. These have also been included in the climate station catalogue.

The groundwater observation borehole catalogue is split into two sections, covering the catchment areas of the River Trent and the River Severn respectively. There is a separate section covering the Shropshire Groundwater Scheme.

Catalogue		Page
RIVER LEVEL AND FLOW STATIONS	TABLE 24	Catalogue 2
AVAILABILITY OF NATURALISED FLOW RECORDS	TABLE 25	Catalogue 10
RAINFALL INTENSITY GAUGES	TABLE 26	Catalogue 11
RAINFALL STORAGE GAUGES	TABLE 27	Catalogue 14
CLIMATE STATIONS	TABLE 28	Catalogue 23
GROUNDWATER OBSERVATION BOREHOLES	TABLE 29	Catalogue 24
SHROPSHIRE GROUNDWATER SCHEME	TABLE 30	Catalogue 32

TABLE 24
LEVEL AND FLOW MEASUREMENT STATIONS
SEVERN BASIN - DOWN CATCHMENT ORDER

RIVER NAME	STATION NAME	SITE REF.	NGR	AREA KM ²	SITE TYPE & EQUIPMENT	PROCESS POLICY	START LEVEL REC	AREA
SEVERN	PLYNLIMON	2022	SN85488723	8.7	TF CH	1	01/1952 US	
DULAS	RHOS-Y-PENTREF	2025	SN95008247	52.7	TF CH TG	3	10/1969 US	
..LLYN CLYWEDOG	CLYWEDOG RES. LEVEL	2185	SN91268709		RE TG	2	04/1979 US	
..CLYWEDOG	BRYNTAIL	2109	SN91368678	49.0	FV CH TG	3	06/1977 US	
SEVERN	LLANIDLOES	2072	SN95508481	163.0	OC CH TG	2	06/1967 US	
SEVERN	DOLWEN	2073	SN99638517	187.0	OC CH	1	06/1975 US	
SEVERN	CAERSWS	2074	SO03149163	375.0	OC CH TG	2	11/1962 US	
SEVERN	ABERMULE	2014	SO16429566	580.0	OC CH TG	3	06/1960 US	
SEVERN	MUNLYN	2252	SJ21070109		OC CH TG	1	12/1990 US	
SEVERN	CILCEWYDD	2194	SJ22710411	855.0	OC CH	1	04/1985 US	
SEVERN	BUTTINGTON	2176	SJ24660889	904.0	OC CH TG	2	10/1983 US	
SEVERN	POOL QUAY	2157	SJ25601129	943.0	OC CH TG	1	02/1980 US	
SEVERN	CRIGGION	2178	SJ28001431	980.0	OC CH	1	10/1984 US	
BELE BK.	TREDERWEN	2837	SJ27361562		OC CH	1	01/1994 US	
SEVERN	LLANDRINIO	2158	SJ29821698	1033.0	OC CH TG	1	02/1980 US	
..VYRNWY RES.	LAKE VYRNWY RES.L	2202	SJ02741923		RE CH TG	2	03/1981 US	
..MARCHNANT	MARCHNANT TUNNEL	2184	SJ04201981		OC CH	1	10/1982 US	
..VYRNWY	VYRNWY WEIR	2003	SJ01901903	94.3	RW CH TG	3	01/1908 US	
..COWNWY	COWNWY WEIR	2149	SH99951800	13.2	FV CH TG	3	09/1979 US	
VYRNWY	PONTROBERT	2156	SJ10781271	173.0	OC CH TG	1	10/1979 US	
BANWY	LLANERFYL	2159	SJ03160974	125.0	OC CH TG	1	11/1978 US	
VYRNWY	MEIFOD	2076	SJ15631292	405.0	OC CH TG WT	2	11/1962 US	
TANAT	LLANYBLODWEL	2038	SJ25232244	229.0	FV CH TG FC	3	06/1973 US	
VYRNWY	LLANYMYNECH	2028	SJ25291962	778.0	OC CH TG	3	04/1970 US	
MORDA	THE FIELDS	2835	SJ30242193		OC CH	1	12/1992 US	
MAIN CH.	MAESBROOK	2832	SJ30092074		OC CH TG	2	11/1992 US	
MORDA	DYFFRYD	2836	SJ29082015		OC CH	1	12/1992 US	
SARN WEN BK.	SARN WEN BK.	2838	SJ31051775		OC CH	1	12/1992 US	
VYRNWY	SARN WEN	2839	SJ31061774		OC CH	1	12/1992 US	
SEVERN	CREW GREEN	2175	SJ32961581	1915.0	OC CH TG	2	11/1983 US	
NEW CUT	CAE HOWELL	2833	SJ34461709		OC CH TG	1	11/1992 US	
SEVERN	CAE HOWELL	2831	SJ34471709		OC CH TG	1	11/1992 US	
BUCKLEY FM. BK.	BUCKLEY FARM	2834	SJ36401673		OC CH	1	12/1992 US	
FIELD DRAIN	THE HAYES	2830	SJ35231571		OC CH TG	1	11/1992 US	
SEVERN	MONTFORD	2005	SJ41191445	2025.0	US CH TG WT	3	06/1952 US	
PERRY	PERRY FM.	2045	SJ34673024	49.1	FV CH	1	11/1973 US	
PERRY	YEATON	2020	SJ43431923	180.8	SC CH TG	3	10/1963 US	
SEVERN	WELSHBRIDGE	2077	SJ48881273	2287.0	OC CH TG	2	12/1950 US	
REA BK.	HOOKAGATE	2018	SJ46570923	178.0	CT CH TG	3	10/1962 US	
TERN	TERNHILL	2044	SJ62843148	92.6	RW CH TG	3	10/1972 US	
BAILEY BK.	TERNHILL	2052	SJ62943149	34.4	RW CH TG	3	04/1970 US	
HODNET BK.	HODNET	2061	SJ61442838	5.1	FV CH	1	05/1972 US	
STOKE BK.	STOKE	2062	SJ63812802	13.7	FV CH	1	04/1972 US	

KEY TO ABBREVIATIONS**AREA**

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

PROCESSING POLICY

1 - LEVEL CHARTS ONLY. TGI 150 DATA NOT ARCHIVED
 2 - LEVELS ARCHIVED & MONTHLY SUMMARY PRODUCED
 3 - LEVELS ARCHIVED & PROCESSED TO FLOWS

STATION TYPE AND EQUIPMENT

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

. Site maintained & operated by Institute of Hydrology

. Site owned by STW Plc, maintained & operated by the Environment Agency

TABLE 24
LEVEL AND FLOW MEASUREMENT STATIONS
SEVERN BASIN - DOWN CATCHMENT ORDER

RIVER NAME	STATION NAME	SITE REF.	NGR	AREA KM ²	SITE TYPE & EQUIPMENT	PROCESS POLICY	START LEVEL REC	AREA
TERN	PEFLOW	2079	SJ64002485	186.0	OC CH	1	12/1972	US
TERN	EATON ON TERN	2041	SJ64902316	191.7	SC CH TG	3	06/1972	US
ALFORD BK.	CHILDS ERCALL	2151	SJ66322345	4.7	VN CH TG	3	09/1979	US
COLEY BK.	COLEY MILL	2199	SJ77981927	34.7	RW CH TG	3	12/1991	US
LONCO BK.	WHITLEYFORD BRIDGE	2602	SJ74652386	33.9	FV CH TG	3	02/1994	US
MEESE	TIBBERTON	2040	SJ68072049	168.0	SC CH TG	3	11/1973	US
POTFORD BK.	SANDYFORD BRIDGE	2060	SJ63472220	25.0	FV CH TG	3	04/1972	US
STRINE	CRUDGINGTON	2170	SJ64051754	134.0	EM CH TG	3	07/1981	US
RODEN	RODINGTON	2016	SJ58901416	259.0	CT CH TG	3	04/1961	US
TERN	WALCOT	2012	SJ59121227	852.0	FV CH TG	3	05/1959	US
SEVERN	BUILDWAS	2134	SJ64570442	3717.0	US CH TG	3	09/1977	US
WORFE	COSFORD	2046	SJ78040466	54.9	RW CH TG	3	02/1975	US
WORFE	BURCOTE	2024	SO74609533	258.0	SC CH TG	3	04/1969	US
SEVERN	BRIDGNORTH	2180	SO71899309	4059.0	OC CH TG	2	11/1985	US
...RES LEVEL	CHELMARSH RES LVL	2820	SO73778738		TG RE	2	03/1994	US
DOWLES BK.	OAK COTTAGE	2034	SO77107642	40.8	FV CH TG	3	09/1971	US
SEVERN	BEWDLEY	2001	SO78157622	4325.0	US CH TG WT	3	02/1968	US
SMESTOW BK.	SWINDON	2067	SO86129056	81.3	OC CH TG	1	09/1973	US
STOUR	STOURBRIDGE	2083	SO90568446	61.0	OC CH TG	1	07/1956	US
STOUR	PRESTWOOD	2063	SO86708614	89.9	FV CH TG	3	04/1995	US
STOUR	STOURTON	2084	SO86008484	232.0	OC CH TG	1	09/1956	US
STOUR	KIDDERMINSTER C/L	2167	SO83057680	324.0	US CH TG	3	11/1980	US
HADLEY BK.	WARDS BRIDGE	2193	SO87026314	53.0	FV CH TG	3	12/1987	US
SALWARPE	HARFORD HILL	2011	SO86866193	184.0	FV CH TG	3	01/1958	US
SEVERN	BEVERE	2822	SO59358362		OC CH	1	10/1989	US
SEVERN	BARBOURNE	2821	SO84035657		OC CH	1	10/1989	US
SEVERN	DIGLIS (WORCESTER)	2085	SO84685353	5073.0	OC CH TG	2	10/1953	US
TEME	KNIGHTON	2107	SO28987237	131.0	OC CH	1	10/1977	US
TEME	LEINTWARDINE	2132	SO40437381	440.0	OC CH TG	1	08/1977	US
ONNY	ONIBURY	2054	SO45457897	235.0	OC CH TG	1	02/1971	US
CORVE	LUDLOW	2169	SO50807620	164.0	OC CH TG	1	09/1981	US
TEME	ASHFORD	2903	SJ52137107		FC TG	2	-	US
TEME	TENBURY	2008	SO59776851	1135.0	OC CH TG	3	09/1956	US
REA	NEWNHAM BRIDGE	2039	SO64396923	170.0	OC CH TG	1	01/1978	US
TEME	KNIGHTSFORD BRIDGE	2029	SO73495571	1480.0	OC CH TG	3	04/1970	US
TEME	BRANSFORD	2086	SO80385324	1580.0	OC CH TG WT	2	07/1951	US
SEVERN	SAXONS LODGE	2032	SO86333905	6850.0	US CH TG WT	3	06/1970	LS
SEVERN	MYTHE BRIDGE	2087	SO88903371	6975.0	OC CH TG	2	06/1970	LS
AVON	LILBOURNE	2088	SP56367778	110.0	OC CH TG	2	04/1972	LS
AVON	RUGBY	2090	SP50297664	243.0	OC CH TG	2	04/1972	LS
AVON	STARETON	2019	SP33287154	347.0	SC CH TG	3	10/1962	LS
SOWE	STONELEIGH	2004	SP33147310	262.0	CC CH TG	3	03/1951	LS
..LEAM	EATHORPE	2050	SP38866884	300.0	TF CH TG	3	10/1972	LS

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CT - COMPOUND TRAPEZOIDAL WEIR S	SC - SIMPLE CRUMP WEIR	
EM - ELECTROMAGNETIC GAUGE	TF - TRAPEZOIDAL FLUME	
FC - FISH COUNTER	TG - TELEGEN 1150 TELEMETRY	
FT - FLAT VEE TRAPEZOIDAL CHANNEL	TL - TIDAL LEVEL SITE	
FV - FLAT VEE WEIR	US - ULTRASONIC GAUGE	

.... Site owned, maintained & operated by SSWC

TABLE 24
LEVEL AND FLOW MEASUREMENT STATIONS
SEVERN BASIN - DOWN CATCHMENT ORDER

RIVER NAME	STATION NAME	SITE REF.	NGR	AREA KM ²	SITE TYPE & EQUIPMENT	PROCESS POLICY	START LEVEL REC	AREA
LEAM	LEAMINGTON PDW	2049	SP30866535	362.0	CR CH TG	3	12/1961 LS	
AVON	WARWICK	2091	SP29936529	1005.0	OC CH TG	2	05/1972 LS	
DENE	WELLESBOURNE	2048	SP27265557	102.0	FV CH TG	3	07/1976 LS	
AVON	STRATFORD	2093	SP20525486	1273.0	OC CH TG	2	01/1971 LS	
STOUR	SHIPSTON	2092	SP26014050	185.0	OC CH TG	1	04/1972 LS	
STOUR	ALSCOT PARK	2010	SP20815065	316.0	CB CH TG	1	10/1959 LS	
ARROW	STUDLEY	2094	SP07636400	92.9	OC CH TG	1	04/1972 LS	
ARROW	BROOM	2104	SP08645358	319.0	SC CH TG	3	10/1956 LS	
BADSEY BK.	OFFENHAM	2023	SP06254472	95.8	FV CH TG	3	05/1968 LS	
AVON	EVESHAM	2002	SP04014376	2210.0	OC CH TG WT	3	10/1937 LS	
ISBOURNE	HINTON ON GREEN	2036	SP02384072	90.7	SC CH TG	3	11/1971 LS	
AVON	HAMPTON PARKS	2155	SP03184466	2305.0	OC CH	1	05/1980 LS	
AVON	PERSHORE	2097	SO95174546	2427.0	OC CH TG	1	10/1974 LS	
BOW BK.	BESFORD BRIDGE	2015	SO92704624	156.0	FV CH TG	3	04/1961 LS	
AVON	BREDON	2128	SO92053725	2674.0	US CH TG	3	01/1979 LS	
AVON	TEWKS. UPPER POUND	2099	SO89423337	2787.0	OC CH TG	2	01/1938 LS	
AVON	TEWKS. STANCHARD GATE	2298	SO89403330		GT CH TG	2	01/1987 LS	
AVON	TEWKS. LOWER POUND	2098	SO89403336	2787.0	OC CH TG	2	01/1938 LS	
SEVERN	DEERHURST	2606	SO86853015	9877	US TG	3	12/1995 LS	
SEVERN	HAW BRIDGE	2057	SO84492785	9895.0	OC CH TG	3	05/1971 LS	
CHELT	SLATE MILL	2026	SO89142639	34.5	TF CH TG	1	04/1969 LS	
LEIGH BK.	LEIGH COURT	2188	SO86512532		CH TG	1	10/1986 LS	
SEVERN	ASHLEWORTH	2071	SO81902500	9983.0	OC CH TG	2	08/1975 LS	
GLYNCH BK.	BROMSBERROW	2607	SO74403326	18.26	FV TG CH	3	07/1996 LS	
LEADON	WEDDERBURN BRIDGE	2017	SO77622344	293.0	CT CH TG	3	08/1961 LS	
SEVERN	LLANTHONY WEIR	2101	SO82191820	10453.0	TL CH	1	09/1973 LS	
SEVERN	GLOUCESTER DOCKS	2165	SO82731852	10453.0	TL CH TG	2	11/1979 LS	
SEVERN	MINSTERWORTH	2102	SO76911690	10505.0	TL CH TG	2	03/1962 LS	
SEVERN	EPNEY	2153	SO76091099	10574.0	TL CH TG	2	03/1980 LS	
FROME	EBLEY MILL	2027	SO83050462	198.0	RS CH TG	3	04/1969 LS	
...CAM	CAMBRIDGE	2603	SO75430348	328	FV CH TG	3	10/1992 LS	
SEVERN	SHARPNESS	2195	SO66740219		TL TG	2	04/1993 LS	
CANNOP BK.	PARKEND	2124	SO61670746	31.5	SC CH	1	08/1978 LS	
SEVERN	AVONMOUTH (LH)	2192	ST35031790		TL TG	2	04/1988 LS	
SEVERN	AVONMOUTH (POL)	2198	ST35051794		TL TG WS WD	2	03/1993 LS	
BRISTOL CHANNEL	ILFRACOMBE	2601	SS52604790		TL CH TG	2	01/1992 SW	

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FV - FLAT VEE WEIR	US - ULTRASONIC GAUGE	

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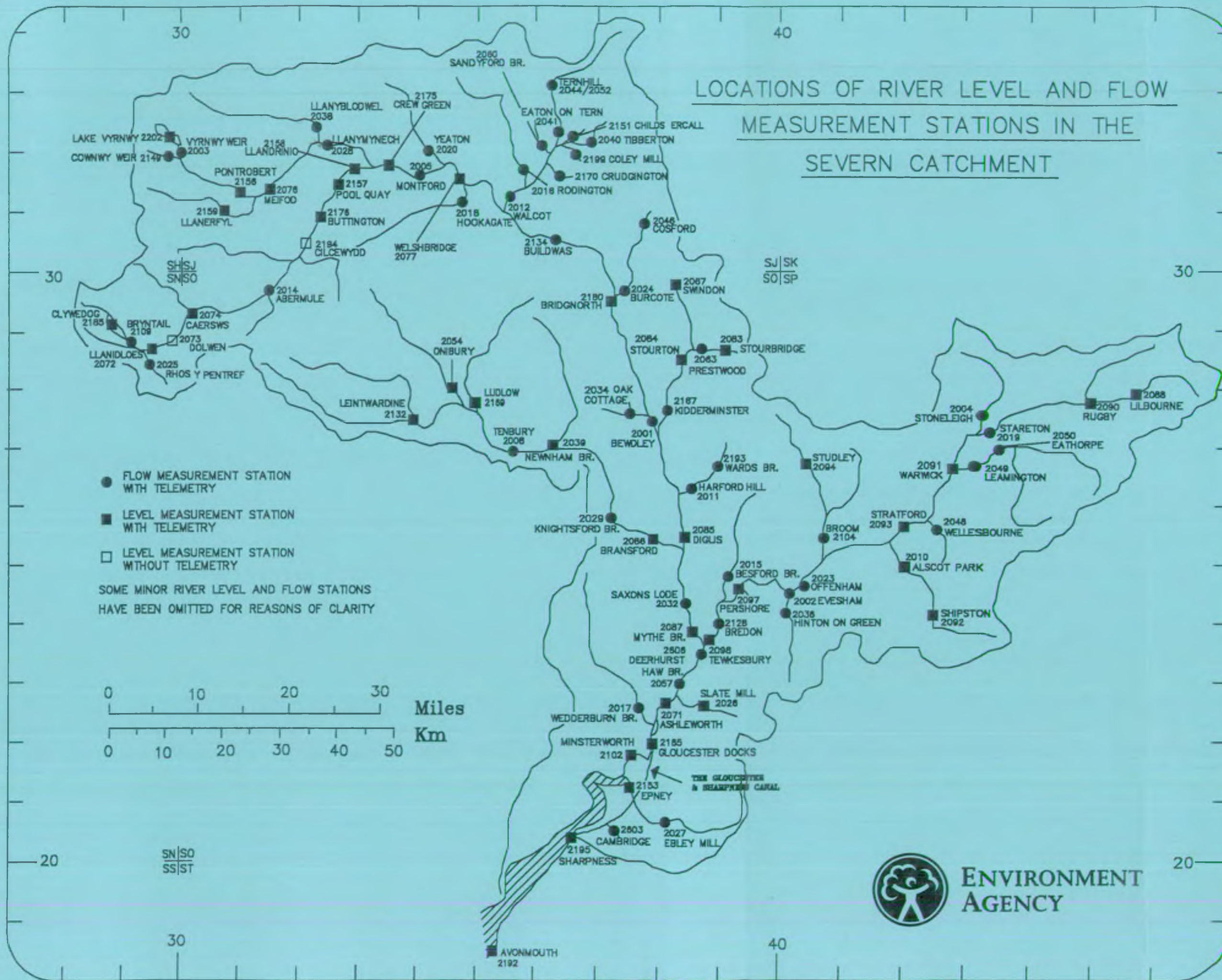


TABLE 24
LEVEL AND FLOW MEASUREMENT STATIONS
TRENT BASIN - DOWN CATCHMENT ORDER

RIVER NAME	STATION NAME	SITE REF.	NGR	AREA KM ²	SITE TYPE & EQUIPMENT	PROCESS POLICY	START LEVEL REC	AREA
TRENT	STOKE	4040	SJ89224671	53.2	SC CH TG	3	03/1968	UT
TRENT	HANFORD BRIDGE	4843	SJ86714271		OC TG	1	05/1978	UT
TRENT	DARLASTON	4083	SJ88543544	195.2	US CH TG	3	12/1982	UT
TRENT	GREAT HAYWOOD	4006	SJ99352380	325.0	OC CH TG	1	12/1965	UT
SOW	WALKMILL	4840	SJ79252972		VN CH TG	3	07/1979	UT
MEECE BK.	SHALLOWFORD	4079	SJ87442904	86.3	FT CH TG	3	11/1981	UT
SOW	GREAT BRIDGEFORD	4052	SJ88372693	163.0	FT CH TG	3	01/1971	UT
RISING BK.	SILKMOOR LANE	4899	SJ93252162		OC TG	1	12/1994	UT
TILLINGTON P'L	DOXEY MARSHES	4875	SJ91102425		OC CH	1	05/1984	UT
TILLINGTON DRAIN	DOXEY MARSHES	4869	SJ91202411		OC CH	1	02/1984	UT
PENK	PENKRIDGE	4053	SJ92151447	272.0	FV CH TG	3	07/1971	UT
SPRINGS LADE BK.	SPRINGS LADE POOL	4872	SJ96211689		VN CH	1	07/1982	UT
ACTON T'SEL BK.	ACTON TRUSSEL	4851	SJ93991759	1.8	VN CH	3	09/1977	UT
ACTON HILL BK.	ACTON HILL	4850	SJ94091870	5.0	RW CH	3	02/1978	UT
OLDACRE BK.	BROCTON	4852	SJ96142025	2.1	VN CH TG	3	01/1978	UT
SOW	BROADEYE BRIDGE	4703	SJ919233		OC TG	1	01/1994	UT
SOW	MILFORD	4014	SJ97502155	591.0	OC CH TG	3	01/1970	UT
BLT HE	CRESSWELL	4863	SJ97803900	51	OC TG	1	11/1980	UT
BLT HE	HAMSTALL RIDWARE	4002	SK10901913		FV CH TG	3	05/1995	UT
...BLT HE	NETHERTOWN	4133	SK11381789	110	RS CH TG	3	10/1996	UT
TRENT	YOXALL	4012	SK13231772	1229.0	EM CH TG	3	08/1959	UT
TAME	SHEEPWASH	4101	SO97429183		TF CH TG	1	04/1986	UT
TAME	OCKERHILL	4888	SO98219413		OC CH	1	11/1986	UT
TAME	BESCOT	4081	SP01229582	169.0	US CH TG	3	08/1981	UT
TAME	SANDWELL	4084	SP02949272	182.0	TF CH TG	1	06/1983	UT
TAME	HAMSTEAD RD	4877	SP04949225	193.3	OC CH	1	12/1982	UT
TAME	PERRY PARK	4087	SP06109190	198.0	TF CH TG	1	11/1983	UT
TAME	WALSALL RD	4876	SP06859131	199.0	OC CH	1	12/1982	UT
REA	CALTHORPE PARK	4039	SP07088469	74.3	SC CH TG	3	04/1967	UT
TAME	WATER ORTON	4003	SP16989142	408.0	SC CH TG	3	09/1955	UT
COLE	COLESHILL	4066	SP18338747	130.0	FT CH TG	3	10/1973	UT
COLE	SWANS BARN	4896	SP19938956		OC TG	1	04/1994	UT
BLYTHE	CHESWICK GREEN	4129	SP12807530		OC TG	1	05/1996	UT
BLYTHE	CASTLE FM.	4094	SP21258875	184.0	OC CH TG	2	12/1985	UT
...BLYTHE	WHITACRE PIPE-FLOW	4508	SP21219115		EM TG	3	06/1983	UT
...BLYTHE	WHITACRE	4102	SP21219115	197.0	EM TG	3	06/1983	UT
BOURNE BK.	SHUSTOKE	4108	SP23399158	43.8	VN CH TG	3	09/1990	UT
TAME	LEA MARSTON	4080	SP20749374	799.0	SC CH TG	3	11/1981	UT
ANKER	MANCETTER	4123	SP32249670	51	OC TG	1	05/1995	UT
SENCE	RATCLIFFE CULEY	4025	SP32109960	170	SC CH TG	1	10/1964	UT
ANKER	POLESWORTH	4026	SK26290342	368.0	SC CH TG	3	09/1966	UT
TAME	TAMWORTH	4069	SK20570377	1407.0	OC CH TG	1	06/1955	UT

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CT - COMPOUND TRAPEZOIDAL WEIR	SC - SIMPLE CRUMP WEIR	
EM - ELECTROMAGNETIC GAUGE	TF - TRAPEZOIDAL FLUME	
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LEVEL AND FLOW MEASUREMENT STATIONS
TRENT BASIN - DOWN CATCHMENT ORDER

RIVER NAME	STATION NAME	SITE REF.	NGR	AREA KM ²	SITE TYPE & EQUIPMENT	PROCESS POLICY	START LEVEL REC	AREA
TAME	HOPWAS BRIDGE	4095	SK18120520	1425.0	OC CH TG	3	03/1986	UT
CROXDEN BK.	GREAT GATE	4130	SK05100401		CH	1	-	UT
MEASE	STONES BRIDGE	4868	SK26121148	122.5	OC CH TG	2	01/1984	UT
TRENT	DRAKELOW	4019	SK23902040	3072.0	OC CH TG	3	06/1966	UT
DOVE	HOLLINSCLOUGH	4033	SK06306680	8	CC CH TG	3	07/1965	UT
DOVE	IZAAK WALTON	4046	SK14695098	83.0	FV CH TG	3	06/1969	UT
MANIFOLD	ILAM	4031	SK13975071	148.5	SC CH TG	3	04/1968	UT
..HENMORE BK.	CARSINGTON OUTFLOW	4103	SK24245012	15.8	RW CH TG	3	04/1988	UT
HENMORE BK.	ASHBOURNE	4058	SK17614632	37.7	FV CH TG	3	01/1974	UT
DOVE	MAYFIELD	4122	SK16074470		TG OC	1	-	UT
DOVE	ROCESTER	4008	SK11253970	399.0	RS CH TG WT	3	04/1953	UT
CHURNET	TITTESWORTH	4881	SJ99205810	24	TF TG	2	07/1986	UT
..DEEP HAYES BK.	DEEP HAYES D/S	4827	SJ96005334	10.3	RW CH	1	04/1980	UT
ENDON BK.	WALLGRANGE	4895	SJ96475359		OC CH TG	1	07/1986	UT
CHURNET	BASFORD BRIDGE	4061	SJ98305190	139.0	FT CH TG	3	01/1975	UT
CHURNET	FROGHALL	4119	SK02164734		OC TG	1	08/1993	UT
CHURNET	ROCESTER J.C.B.	4220	SK10754000		OC TG	2	03/1987	UT
CHURNET	ROCESTER	4020	SK10263891	236.0	OC CH	1	10/1954	UT
TEAN	UPPER TEAN	4121	SK00803958		TG OC	1	-	UT
DOVE	DOVERIDGE	4078	SK11203391	799.0	OC CH TG	2	02/1972	UT
DOVE	ASTON BRIDGE	4124	SK16313110	831	OC TG	1	10/1995	UT
DOVE	MARSTON	4018	SK23752873	883.2	FT CH TG	3	07/1965	UT
DOVE	HATTON	4898	SK21402951		OC TG	1	08/1994	UT
ROLLESTON BK.	ROLLESTON	4076	SK24362825	23.0	FV CH TG	3	04/1980	UT
DOVE	MONKSBRIDGE	4120	SK26892694		TG OC	2	10/1995	UT
TRENT	WILLINGTON	4131	SK29602790	4214	OC TG	1	08/1996	UT
TRENT	SHARDLOW	4007	SK44842998	4400.0	CH TG US	3	09/1959	LT
TRENT	CLIFTON BRIDGE	4126	SK50100360		OC TG	1	05/1995	LT
TRENT	CRANFLEET LOCK	4127	SK50207310		OC TG	1	05/1995	LT
..HOWDEN RES.	HOWDEN RES.LVL	4089	SK15459285		RE TG	2	07/1986	LT
..DERWENT RES.	DERWENT RES.LVL	4090	SK17158990		RE TG	2	07/1986	LT
..LADYBOWER RES.	LADYBOWER RES.LVL	4092	SK20108550		RE TG	2	07/1986	LT
..DERWENT	YORKSHIRE BRIDGE	4001	SK19825105	126.0	TF CH TG	3	05/1905	LT
DERWENT	MYTHAM BRIDGE	4037	SK20888221	203.0	OC CH TG	2	01/1968	LT
DERWENT	CHATSWORTH	4043	SK26086832	335.0	OC CH TG	3	11/1968	LT
WYE	ASHFORD	4023	SK18296966	154.0	FV CH TG	3	07/1965	LT
DERWENT	MATLOCK	4011	SK29685864	688.9	OC CH TG	3	10/1958	LT
DERWENT	WHATSTANDWELL	4117	SK33125459	755.0	FV CH TG	3	11/1992	LT
..DERWENT	AMBERGATE	4801	SK33745321		OC CH TG	3	11/1978	LT
..OGSTON RES.	OGSTON RES.LVL	4106	SK37905990		RE TG	2	11/1987	LT
..AMBER	OGSTON RES.O/F	4821	SK38205980	27.3	CR CH	1	01/1984	LT
AMBER	WINGFIELD PARK	4048	SK37525200	139.0	FT CH TG	3	08/1970	LT
DERWENT	BELPER WEIR	4883	SK34544814	920.0	OC CH TG	1	05/1990	LT

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LEVEL AND FLOW MEASUREMENT STATIONS
TRENT BASIN - DOWN CATCHMENT ORDER

RIVER NAME	STATION NAME	SITE REF.	NGR	AREA KM ²	SITE TYPE & EQUIPMENT	PROCESS POLICY	START LEVEL REC	AREA
ECCLESBOURNE	DUFFIELD	4055	SK31954466	50.0	FT CH TG	3	08/1971	LT
DERWENT	PECKWASH MILL	4823	SK35414234	1009.0	OC CH	1	03/1979	LT
DERWENT	DARLEY ABBEY	4893	SK35323854		OC CH	1	04/1990	LT
DERWENT	ST. MARYS BDGE	4085	SK35363678	1054.0	US CH TG	3	07/1983	LT
DERWENT	SPONDON SLUICES	4107	SK39823429		RS GT TG	1	11/1989	LT
DERWENT	DRAYCOTT	4021	SK44253279	1175.0	OC CH	1	07/1965	LT
DERWENT	CHURCH WILNE	4067	SK44083167	1177.5	FT CH TG	3	04/1973	LT
SOAR	LITTLETHORPE	4082	SP54239735	183.9	EM CH TG	3	11/1981	LT
SENCE	SOUTH WIGSTON	4086	SP58759769	113.0	EM CH TG	3	09/1983	LT
SCALFORD BK.	MELTON MOWBRAY	4729	SK75792052	22.3	RE TG	2	10/1991	LT
WREAKE	FRISBY-ON-WREAKE	4873	SK69651821	271.3	RS GT TG	2	03/1988	LT
WREAKE	SYSTON	4024	SK61481245	414.0	EM CH TG	3	07/1967	LT
ROTHLEY BK.	ROTHLEY	4056	SK58041206	94.0	FT CH TG	3	05/1973	LT
SOAR	PILLINGS LK	4093	SK56511821	1105.0	US TG	3	02/1985	LT
SOAR	ZOUCH SLUICE GATE	4109	SK50912342		BC GT TG	2	05/1993	LT
SOAR	KEGWORTH	4074	SK49042629	1292.0	US CH TG	3	12/1978	LT
EREWASH	SANDIACRE	4427	SK48273626	181.0	US CH TG	3	02/1966	LT
LEEN	TRIUMPH RD.	4435	SK54943931	111.0	US CH TG WT	3	10/1968	LT
TRENT	COLWICK SLUICES	4890	SK61483938	7484.0	RS TG	2	11/1989	LT
TRENT	COLWICK	4009	SK62063988	7486.0	OC CH TG	3	09/1958	LT
DOVER BECK	LOWDHAM	4060	SK65384787	69.0	FV CH TG	3	03/1971	LT
GREET	SOUTHWELL	4072	SK71415398	57.0	FV CH	3	12/1974	LT
DEVON	COTHAM	4017	SK78684759	284.0	OC CH	1	09/1966	LT
TRENT	NORTH MUSKHAM	4022	SK80146008	8231.0	US CH TG	3	10/1967	LT
TRENT	TORKSEY	4065	SK83687800	8589.0	TL CH TG WT	2	01/1945	LT
TRENT	GAINSBOROUGH	4099	SK81338972	8716.0	TL CH TG	2	01/1945	LT
MAUN	MANSFIELD	4115	SK55926356	31.5	FV CH TG	3	05/1992	LT
MAUN	WHITEWATER BR.	4116	SK66327038	157.0	FV CH TG	3	11/1992	LT
MEDEN	CHURCH WARSOP	4032	SK55846797	63.0	RS CH TG	3	08/1965	LT
MEDEN	PERLETHORPE	4118	SK64647122	86.1	FV CH TG	3	11/1993	LT
POULTER	CUCKNEY	4044	SK57147139	35.0	SC CH TG	3	07/1969	LT
POULTER	TWYFORD BRIDGE	4036	SK70017523	128.0	US CH TG	3	07/1969	LT
IDLE	MATTERSEY	4015	SK68928949	529.0	EM CH TG	3	04/1961	LT
RYTON	WORKSOP	4049	SK57487948	77.0	FV CH TG	3	06/1970	LT
CANAL FEEDER	KILTON FEEDER	4141	SK59607895		US TG	3	04/1997	LT
RYTON	BLYTH	4091	SK63148709	231.0	EM CH TG	3	03/1984	LT
OLDCOATES DYKE	BLYTH	4047	SK61558760	85.0	FV CH TG	3	06/1970	LT
TRENT	OWSTON FERRY	4835	SK81429937	9694.0	TL CH	1	01/1945	LT
TORNE	AUCKLEY	4050	SE64550117	141.0	FV CH TG	3	07/1970	LT
THREE RIVERS	KEADBY	4714	SE83511146	382	OC TG	1	01/1997	LT
TRENT	KEADBY	4098	SE83511146	10365	TL CH TG	2	01/1945	LT
HUMBER	BLACKTOFT	4088	SE84322428	10435.0	TL TG	2	12/1985	LT

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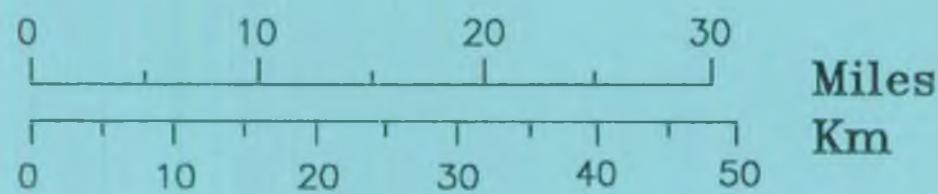
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LOCATION OF RIVER LEVEL AND FLOW MEASUREMENT STATIONS IN THE TRENT CATCHMENT.

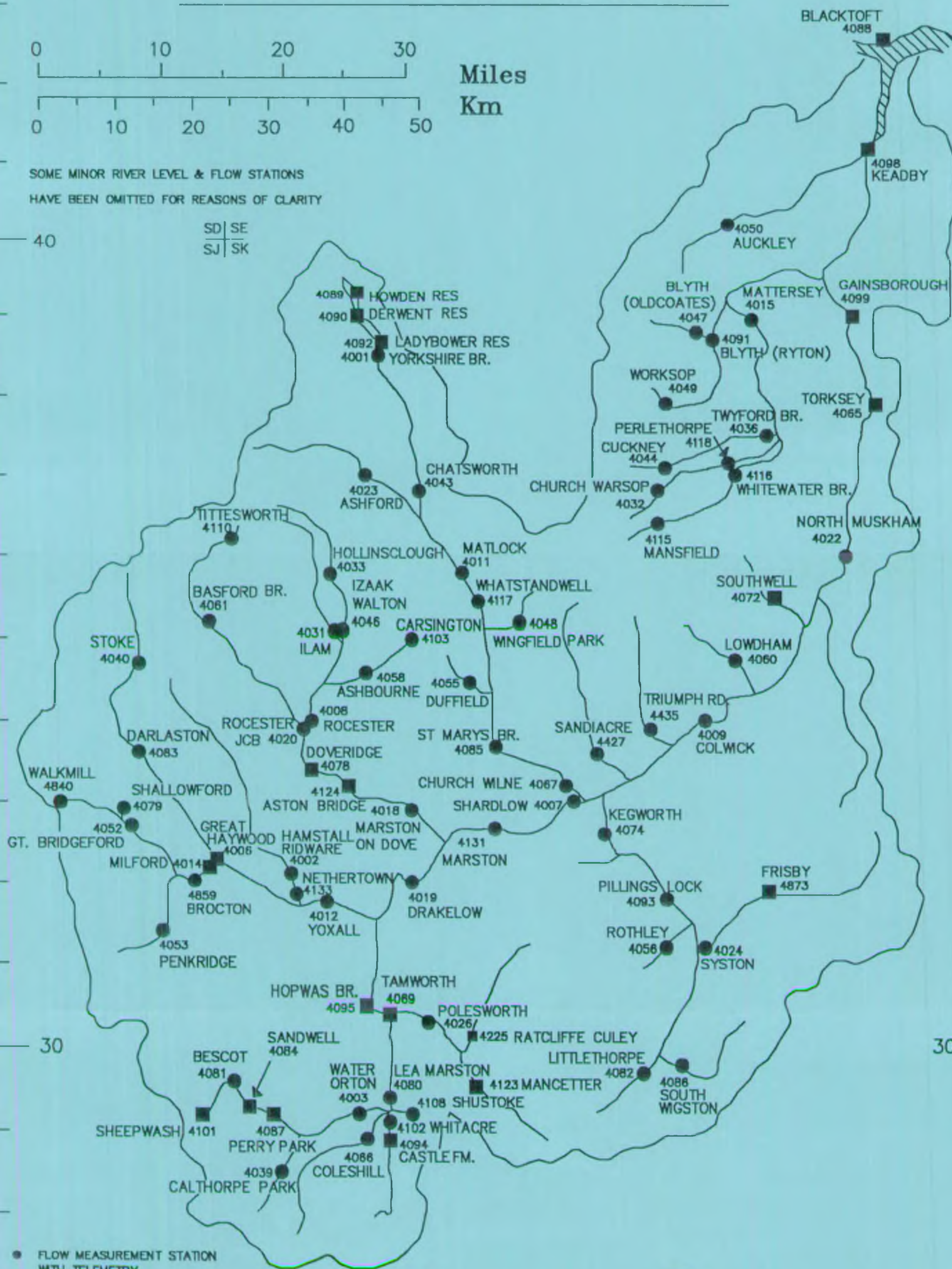


SOME MINOR RIVER LEVEL & FLOW STATIONS
HAVE BEEN OMITTED FOR REASONS OF CLARITY

40

SD SE
SJ SK

40



● FLOW MEASUREMENT STATION
WITH TELEMETRY

■ LEVEL MEASUREMENT STATION
WITH TELEMETRY

□ LEVEL MEASUREMENT STATION
WITHOUT TELEMETRY

40



ENVIRONMENT
AGENCY

TABLE 25
 AVAILABILITY OF NATURALISED FLOW RECORDS
 SEVERN BASIN

LOCATION	REF.NO. (HYDROLOG)	AVAILABILITY	FREQUENCY	COMMENT REF.
BRYNTAIL	21109	02/06/77 - 31/12/96	DAILY	
ABERMULE	21014	02/10/66 - 31/12/96	DAILY	
VYRNWY WEIR	21003	02/10/66 - 31/12/96	DAILY	
LLANYMYNECH	21028	02/01/79 - 01/08/94	DAILY	
MONTFORD	21005	02/01/79 - 31/12/96	DAILY	
YEATON	21020	01/01/91 - 31/12/95	DAILY	
WALCOT	21012	01/01/85 - 31/12/96	DAILY	
BUILDWAS	21134	01/01/85 - 31/12/96	DAILY	
BEWDLEY	21001	01/04/67 - 31/12/96	DAILY	5
SAXONS LODGE	21032	02/01/77 - 31/12/96	DAILY	
LEAMINGTON	21049	01/01/89 - 31/12/96	DAILY	
HAW BRIDGE	21057	02/01/77 - 31/12/96	DAILY	
GLOUCESTER	21185	01/01/85 - 31/12/96	DAILY	1

AVAILABILITY OF NATURALISED FLOW RECORDS
 TRENT BASIN

HAMSTALL RIDWARE	41002	01/08/37 - 30/06/96	DAILY	4
TITTESWORTH	41500	02/01/77 - 31/12/82	DAILY	
MARSTON ON DOVE	41018	02/01/77 - 31/12/96	DAILY	3
YORKSHIRE BRIDGE	41001	02/01/33 - 01/09/96	DAILY	
OGSTON	41501	01/01/96 - 31/12/96	DAILY	
DERBY	41010	02/01/77 - 31/12/96	DAILY	2

All the above naturalisation records have been derived by the adjustment of measured flows

KEY TO COMMENT REFERENCES

- 1 Haw Bridge and estimated down stream natural runoff
- 2 Originally to Longbridge Weir, now St Marys Bridge
- 3 Note that site is by-passed by Rolleston Brook
- 4 Part naturalised to the gauge, part adjusted from Blithfield Dam
- 5 Note that Bewdley measured flow is assumed to be the naturalised flow prior to 1967

TABLE 26
OPERATIONAL RAINFALL INTENSITY GAUGES
SEVERN BASIN : ENVIRONMENT AGENCY REFERENCE NUMBER ORDER

STATION NAME	SITE REF.	MET. OFFICE No	GRID REFERENCE	ALTITUDE (m)	SAAR (mm)	START OF RECORD	START OF DATA	AREA
PANT MAWR	0321	-	SN843825	310	2100E	01/1993	01/1993	WE
TITLEY MILL	0326	-	SO328585	126	1100E	01/1993	01/1993	WE
BREDENBURY	0354	475211	SO611565	229	750E	01/1993	01/1993	WE
LANGLEY	1005	456216	SP005282	165	775	12/1970	12/1982	LS
PEN-Y-COED	1009	425646	SH978144	305	1760	06/1981	06/1981	US
HENLEY PS	1040	454894	SP154679	78	695	05/1964	02/1981	LS
FINHAM	1045	449958	SP334740	61	658	06/1960	01/1983	LS
KNIGHTCOTE	1082	450777	SP398545	95	620	12/1970	07/1978	LS
STRATFORD, MILCOTE	1086	453923	SP182529	47	601	05/1970	03/1979	LS
SHIPSTON	1087	453420	SP268411	67	600	08/1972	07/1979	LS
LEDBURY	1119	459794	SO701372	38	665	03/1981	03/1981	LS
MONKMOOR	1121	430296	SJ517136	55	613	06/1983	06/1983	US
VYRNWY	1134	425001	SJ017188	303	1637	01/1946	01/1985	US
DOWDESWELL	1140	458844	SO983198	109	743	07/1970	02/1979	LS
MISERDEN	1141	461467	SO937087	232	879	08/1981	08/1981	LS
DOLYDD	1152	421140	SN873905	297	1856	05/1979	05/1979	US
STANFORD	1155	447787	SP596804	112	651	05/1964	04/1982	LS
WELLESBOURNE	1165	452036	SP271565	47	584	07/1981	07/1981	LS
KINGSWOOD	1176	419869	ST743929	42	774	06/1972	07/1978	LS
ALVECHURCH	1201	454433	SP032717	104	718	03/1981	03/1981	LS
WELSHPOOL	1221	424216	SJ233073	70	764	05/1972	12/1979	US
CRAVEN ARMS	1271	443093	SO437811	111	757	01/1980	01/1980	US
LLANFYLLIN STW	1334	426593	SJ154188	113	989	01/1977	12/1979	US
CEFN COCH	1338	423198	SJ042026	312	1215	08/1982	08/1982	US
RUSHMOOR STW	1339	432811	SJ617135	50	647	03/1979	04/1984	US
BETTWS-Y-CRWYN	1387	441009	SO203814	396	1029	06/1981	06/1981	US
NANTGWYN	1408	420834	SN979768	300	1273	01/1989	02/1989	US
RORRINGTON	1409	423813	SJ304005	213	740	12/1986	12/1986	US
BISHOP'S CASTLE	1412	441441	SO338873	251	808	08/1982	08/1982	US
HARTLEBURY	1413	438925	SO846696	73	638	04/1978	04/1978	US
LYE P.S	1521	437694	SO919849	75	681	05/1981	05/1981	US
TRIMPLEY	1548	437138	SO770790	41	693	06/1981	05/1981	US
BRATCH	1552	438110	SO868937	82	665	04/1986	04/1986	US
LLANGYNOG	1700	426853	SJ053259	160	1355	04/1981	06/1981	US
COSFORD W.W	1712	435509	SJ782047	59	659	09/1968	11/1982	US
BAGLEY	1713	429082	SJ413277	82	711	12/1971	07/1981	US
LONGFORD	1733	459426	SO847209	88	632	05/1972	01/1980	LS
ERCALL	1747	431324	SJ663249	91	689	02/1985	02/1985	US
DITTON PRIORS	1749	444887	SO604883	244	841	11/1977	08/1988	US
SARN	1750	423601	SO206906	167	865	03/1981	03/1981	US
CHIPPING CAMDEN	1761	453096	SP164393	123	715	04/1964	03/1981	LS
CAERSWS	1762	422095	SO040925	137	881	07/1963	04/1985	US
CROWLE	1769	457597	SO934558	35	627	08/1980	09/1980	LS
BRAUNSTON	1770	450263	SP533658	107	645	07/1981	07/1981	LS
PREES	1771	430989	SJ573351	90	740	10/1981	01/1988	US
BRIMFIELD	1792	443991	SO503682	77	721	09/1986	09/1986	US

KEY TO ABBREVIATIONS

SAAR - Standard Period Average Annual Rainfall 1961-90
 E - Estimated SAAR

START OF DATA - The date from which intensity data is available on RAINARK, earlier data will exist but may be only available as autographic charts or paper prints.

AREA - Operational Area

US - Upper Severn

LS - Lower Severn

UT - Upper Trent

LT - Lower Trent

WE - Welsh Region

TABLE 26
OPERATIONAL RAINFALL INTENSITY GAUGES
TRENT BASIN : ENVIRONMENT AGENCY REFERENCE NUMBER ORDER

STATION NAME	SITE REF.	MET. OFFICE No	GRID REFERENCE	ALTITUDE (m)	SAAR (mm)	START OF RECORD	START OF DATA	AREA
STONE	3014	90803	SJ878321	107	736	08/1963	11/1985	UT
RODBASTON	3025	92233	SJ920116	101	675	10/1985	10/1985	UT
HOLLIES	3026	91860	SJ816224	110	699	02/1982	02/1982	UT
OVERSEAL	3057	100449	SK291149	88	625	01/1974	01/1974	UT
BARNHURST	3096	91267	SJ901017	110	683	10/1978	01/1979	UT
BLITHFIELD	3099	93536	SK071226	83	705	07/1974	07/1974	UT
CLAY MILLS	3100	101151	SK265259	43	648	09/1982	09/1982	UT
WILLENHALL	3151	94320	SO979983	119	683	08/1962	04/1984	UT
FRANKLEY	3167	95326	SP007801	174	789	09/1985	09/1985	UT
TUDOR GRANGE	3185	96006	SP147789	129	730	03/1981	08/1986	UT
HINCKLEY	3198	98210	SP420927	99	640	09/1962	09/1962	UT
ATHERSTONE	3201	99321	SP318980	71	638	04/1966	01/1966	UT
WALSALL WOOD	3275	94700	SK038042	140	701	02/1977	05/1982	UT
LEA MARSTON	3288		SP208937	70	650E	07/1993	07/1993	UT
HOLLINS CLOUGH	3307	101204	SK066665	291	1242	09/1959	05/1985	UT
ASHBOURNE, ST OSWALDS	3322	102367	SK173465	150	851	07/1984	07/1984	UT
DERWENT	3380	106295	SK175899	230	1200E		04/1985	LT
BARBROOK	3404	107268	SK281770	323	991	10/1977	10/1977	LT
OGSTON	3441	109141	SK380598	102	791	09/1963	09/1963	LT
CAULDON LOW	3570	103493	SK058480	293	934	03/1985	03/1985	UT
CHAPEL RESERVOIR	3572	558292	SK069795	354	1121	02/1985	02/1985	LT
STANLEY RESERVOIR	3573	103072	SJ929519	177	893	02/1981	01/1983	UT
LONGCLIFFE	3576	108786	SK228553	366	998	11/1980	11/1980	UT
SPONDON	3577	110525	SK395345	40	645	09/1985	09/1985	LT
TIDESWELL	3578	107931	SK155746	255	1071	10/1980	10/1980	LT
CARSINGTON DAM	3580	102435	SK242503	168	891	09/1976	09/1976	UT
MEYNELL LANGLEY	3588	110326	SK285401	130	750E	08/1994	09/1994	LT
NARBOROUGH	3605	111398	SP549966	74	614	02/1971	02/1971	LT
MOUNT ST. BERNARDS	3641	115296	SK459158	186	751	10/1985	10/1985	LT
BROOKSBY	3680	113774	SK679154	70	611	07/1964	02/1981	LT
WANLIP	3683	112545	SK598117	52	600	10/1985	10/1985	LT
FLECKNEY	3686	111729	SP656946	99	635	12/1985	12/1985	LT
WHISSENDINE	3687	112771	SK835147	126	624	12/1985	12/1985	LT
COLWICK	3771	117867	SK615393	23	596	06/1966	11/1985	LT
SUTTON-IN-ASHFIELD	3816	122707	SK510595	139	721	01/1969	11/1985	LT
WORKSOP	3901	125215	SK608791	62	616	01/1983	01/1983	LT
LANGAR	3996	119909	SK732338	30	567	07/1989	07/1989	LT

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FIGURE 43

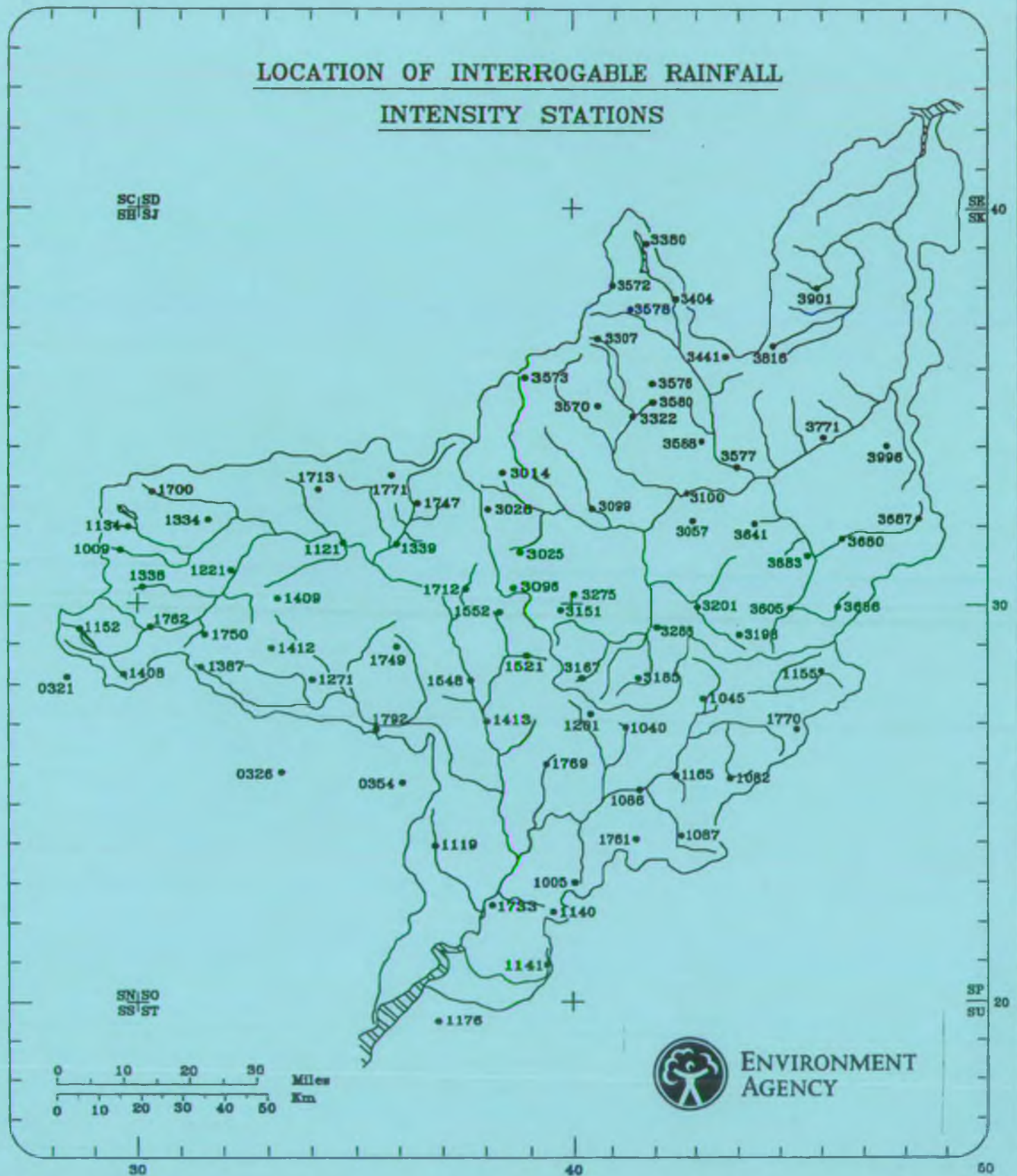


TABLE 27
RAINFALL STORAGE GAUGES: TRENT CATCHMENT
MET OFFICE NUMBER ORDER

STATION NAME	SITE REF	MET. OFFICE	NGR	ALTITUDE (m)	SAAR (mm)	START RECORD	START DATA	AREA	FREQ
KEELE UNIVERSITY	3004	89542	SJ820446	179	796	1951	1991	UT	D
STRONGFORD STW	3068	89714	SJ878393	95	761	1978	1979	UT	D
HIXON WRW	3104	90273	SK002246	79	735	1984	1985	UT	D
SUGNALL HALL	3009	90358	SJ799312	143	733	1968	1968	UT	D
STAFFORD RIVERWAY	3016	91143	SJ930230	75	717	1981	1982	UT	D
BARNHURST STW	3096	91267	SJ900016	110	683	1978	1979	UT	D
SLADE HEATH P.S	3020	91403	SJ918071	104	685	1919	1961	UT	D
PENKRIDGE,STAFFS A/C	3025	92233	SJ920116	101	675	1956	1991	UT	D
SLUTTING MILL	3031	92923	SK033173	91	741	1931	1961	UT	D
FRADSWELL	3042	93358	SK007334	137	809	1946	1992	UT	M
BLITHFIELD RES	3048	93536	SK071226	83	705	1944	1961	UT	D
BAGOT'S PARK	3101	93592	SK091269	128	709	1982	1982	UT	D
GENTLESHAW	3051	93765	SK049123	227	766	1949	1961	UT	M
HANCH RES.	3054	93864	SK103136	79	692	1918	1918	UT	D
WILLENHALL STW	3151	94320	SO979983	119	683	1962	1962	UT	D
WALSALL ALDRIDGE	3210	94720	SK058010	163	716	1963	1991	UT	D
FRANKLEY	3167	95326	SP004801	174	789	1938	1961	UT	D
HARBOURNE	3173	95434	SP028841	165	758	1988	1993	UT	D
WINTERBOURNE		95458	SP047835	137	759	1950	1991	UT	D
SUTTON COLDFIELD	3276	95702	SP128974	129	719	1982	1982	UT	D
SOUHULL		96006	SP147789	129	730	1968	1968	UT	D
DORRIDGE,WINDMILL FM	3183	96081	SP171733	130	701	1972	1972	UT	D
KING'S NORTON GOLF CLUB		96583	SK064743	167	773	1994	1994	UT	D
HIGHTERS HEATH RES	3271	96712	SP086792	158	740	1933	1933	UT	M
ELMDON M.O.	3187	96893	SP167841	98	677	1981	1991	UT	D
ELMDON M.O. SS		96894	SP167841	98	667	1981	1982	UT	D
WHITACRE NEW W.WKS	3284	97263	SP217911	73	653	1989	1989	UT	D
HUNTS GREEN	3274	97503	SP183975	82	666	1982	1982	UT	D
LITTLE HAY	3194	97900	SK123030	91	689	1927	1961	UT	D
HINCKLEY		98202	SP431934	113	652	1977	1978	UT	D
HINCKLEY S.WKS	3198	98210	SP420927	99	639	1928	1962	UT	D
NUNEATON P.S.	3199	98408	SP361923	82	639	1933	1961	UT	D
HARTSHILL NEW STW	3200	98544	SP333955	75	639	1972	1973	UT	D
NAILSTONE,CROWN FARM	3204	98814	SK426077	151	638	1971	1971	UT	D
STOKE GOLDING,CONVNT	3265	99063	SP409974	100	671	1979	1980	UT	D
COTON LANE STW	3268	99712	SK193057	61	617	1980	1981	UT	M
ELFORD,WEBBS FARM	3285	99829	SK192104	67	623	1991	1991	UT	D
NORTON-JUXTA-TWYCROS	3055	100202	SK318006	127	625	1966	1966	UT	D
OVERSEAL STW	3057	100449	SK291149	88	625	1968	1968	UT	D
CHILCOTE P.S.	3058	100498	SK284103	73	617	1935	1935	UT	D
BARTON-U-NEEDWOOD	3103	100748	SK199183	50	637	1982	1986	UT	D
COTON-IN-THE-ELMS		100788	SK243155	85	631	1991	1991	UT	M
OUTWOODS	3063	101049	SK227240	94	655	1935	1961	UT	M
WINSHILL P.S.	3062	101089	SK264229	94	655	1919	1961	UT	M
CLAYMILLS STW	3100	101151	SK265259	43	648	1982	1982	UT	D
ONECOTE,LOXLEY PK FM	3317	101838	SK045554	290	1112	1978	1979	UT	M
UPPER CASTERN	3320	102035	SK123526	259	994	1968	1968	UT	D
ASHBOURNE W.WKS	3322	102521	SK187459	179	845	1962	1962	UT	D
TITTESWORTH W.WKS	3331	102848	SJ994585	183	1000	1964	1964	UT	D
WALL GRANGE P.STN	3334	103043	SJ966536	139	912	1882	1882	UT	D
CELLARHEAD,ROWNALL	3579	103047	SJ944492	228	924	1979	1991	UT	D
CELLARHEAD SAMOS		103048	SJ944492	228	924	1995	1995	UT	D

KEY TO ABBREVIATIONS

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M - Monthly

D - Daily

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LS - Lower Severn

LT - Lower Trent

W - Weekly

I - Intermittent

ND - No Data on Archive

TABLE 27
RAINFALL STORAGE GAUGES: TRENT CATCHMENT
MET OFFICE NUMBER ORDER

STATION NAME	SITE REF	MET. OFFICE	NGR	ALTITUDE (m)	SAAR (mm)	START RECORD	START DATA	AREA	FREQ
IPSTONES EDGE		103415	SK034508	340	977	1994	1994	UT	D
UTTOXETER STW	3338	104024	SK095345	78	773	1969	1969	UT	D
MARCHINGTON P.O.	3339	104335	SK136307	76	734	1973	1973	UT	D
STRETTON		105088	SK252264	55	661	1976	1977	UT	D
REPTON	3065	105428	SK302267	70	663	1940	1961	LT	D
STANTON-BY-BRIDGE WW	3067	105715	SK374271	44	651	1911	1962	LT	D
STAUNTON HARROLD RES	3066	105837	SK383239	85	653	1962	1962	LT	D
SHARDLOW HALL	3348	106070	SK438304	34	612	1973	1973	LT	D
SLIPPERY STONES	3553	106138	SK168954	290	1425	1978	1979	LT	M
DERWENT DAM	3380	106295	SK175899	249	1275	1960	1968	LT	D
FEATHERBED TOP	3369	106381	SK089928	507	1562	1934	1992	LT	M
WOOD COTTAGE	3462	106430	SK128896	310	1526	1972	1972	LT	D
YORKSHIRE BRIDGE	3379	106584	SK198853	168	1041	1926	1961	LT	D
UPPER BOOTH,G.CLOUGH	3385	106616	SK096854	304	1384	1944	1992	LT	M
EDALE MILL	3388	106686	SK134854	221	1238	1936	1962	LT	D
HOPE	3397	106852	SK169822	177	1052	1929	1961	LT	D
ABNEY	3582	106963	SK199799	290	1041	1991	1991	LT	D
UPPER BURBAGE NO.2	3399	107028	SK265829	411	1028	1958	1992	LT	M
PARSONS HOUSE	3552	107047	SK273806	379	988	1978	1992	LT	M
MIDDLETON MOOR	3403	107124	SK205752	3061	995	1974	1974	LT	D
BASLOW		107204	SK258726	152	850	1983	1983	LT	D
BARBROOK RES.	3404	107268	SK281770	323	991	1910	1961	LT	D
EASTMOOR,THE PADDOCK	3563	107317	SK308714	290	850	1979	1992	LT	M
CHATSWORTH GARDENS	3407	107389	SK262701	133	853	1861	1878	LT	D
BUXTON,TERRACE SLOPE	3412	107494	SK058734	307	1301	1925	1991	LT	D
LADMANLOW	3585	107542	SK044717	389	1398	1993	1993	LT	D
PEAK DALE	3584	107708	SK084764	350	1171	1992	1992	LT	D
PEAK FEST,CONIES FM	3545	107821	SK118800	329	1130	1977	1978	LT	D
HARGATEWALL	3421	107875	SK117752	347	1185	1951	1988	LT	M
MONYASH	3581	108248	SK151665	270	1102	1990	1991	LT	D
BIRCHOVER	3586	108488	SK239620	235	929	1993	1993	LT	D
MATLOCK ST. JOSEPHS	3587	108682	SK306606	170	866	1993	1993	LT	D
WHATSTANDWELL W.WKS	3434	108956	SK326554	75	859	1904	1936	LT	D
ASHOVER	3461	109084	SK349629	178	855	1969	1991	LT	D
OGSTON RES.	3441	109141	SK380598	102	791	1963	1964	LT	D
NEWTON	3442	109225	SK446595	171	766	1971	1992	LT	M
BELPER MEADOWS P.S.	3446	109641	SK340477	69	805	1962	1962	LT	D
MIDDLETON TOP	3567	109722	SK276552	303	964	1979	1980	LT	D
WIRKSWORTH		109737	SK287533	140	904	1986	1986	LT	D
LITTLE EATON,LWR P.S	3449	110105	SK364406	52	714	1965	1965	LT	D
MORLEY NO.2		110110	SK384401	105	704	1991	1991	LT	M
SPONDON	3577	110518	SK389350	40	632	1910	1911	LT	D
FROLESWORTH,BRAMBLES	3684	110779	SP508903	113	649	1979	1980	LT	D
NARBOROUGH STW	3605	111398	SP549966	74	614	1971	1971	LT	D
HOUGHTON-ON-THE-HILL	3606	111523	SK389035	165	660	1972	1972	LT	D
WISTOW HALL	3608	111739	SP641957	94	637	1905	1961	LT	D
WIGSTON STW	3609	111947	SP593967	78	604	1912	1912	LT	D
LEICESTER, SAFFRON LANE	3612	112166	SK584021	59	609	1969	1969	LT	M
STOUGHTON		112336	SK632021	100	634	1990	1991	LT	M
LEICESTER WATER CNTR	3679	112395	SK563071	100	627	1976	1977	LT	I
WANLIP WRW	3683	112545	SK598117	52	600	1980	1982	LT	D
LEESTHORPE	3617	112704	SK798136	125	633	1972	1972	LT	D

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TABLE 27
RAINFALL STORAGE GAUGES: TRENT CATCHMENT
MET OFFICE NUMBER ORDER

STATION NAME	SITE REF	MET. OFFICE	NGR	ALTITUDE (m)	SAAR (mm)	START RECORD	START DATA	AREA	FREQ
WALTHAM ON THE WOLDS	3615	113259	SK804251	174	651	1872	1872	LT	M
FERNELEY SCHOOL	3624	113408	SK751210	111	612	1969	1969	LT	M
BROOKSBY HALL AG.COL	3680	113774	SK679154	70	611	1975	1991	LT	D
LOWESBY-THE-CEDARS	3688	114060	SK724076	130	665	1987	1987	LT	D
BARKBY HALL	3626	114205	SK637098	69	615	1905	1961	LT	D
THORNTON RES.	3627	114337	SK473072	112	706	1856	1961	LT	D
COSSINGTON MAIN ST	3689	114629	SK60551370	47		1996	1996	LT	D
ULVERSCROFT	3636	114807	SK497117	195	722	1931	1961	LT	D
NEWTOWN LINFORD	3634	114830	SK530095	119	666	1958	1991	LT	D
SWITHLAND RES.	3631	114895	SK555148	52	680	1886	1961	LT	W
BURTON-ON-THE-WOLDS	3629	115083	SK608215	79	581	1972	1972	LT	D
NANPANTAN RES	3632	115174	SK508171	82	700	1878	1882	LT	D
LOUGHBOROUGH		115231	SK514177	67	629	1971	1971	LT	D
BLACKBROOK RES.	3644	115306	SK456178	107	687	1899	1899	LT	D
EAST LEAKE HILLS	3648	115831	SK567279	91	558	1963	1973	LT	M
SUTTON BONINGTON	3652	115902	SK507259	48	600	1908	1991	LT	D
KIRKBY STW	3752	116094	SK484548	108	706	1968	1968	LT	D
PYE-BRIDGE STW	3979	116173	SK439527	84	701	1978	1979	LT	D
NEWTORPE STW	3899	116429	SK477449	58	685	1971	1972	LT	D
ILKESTON STW	3755	116527	SK483393	41	646	1934	1941	LT	D
WATNALL M.O.	3765	117626	SK503456	117	707	1941	1991	LT	D
NOTTINGHAM SAMOS		117629	SK503456	117	707	1995	1995	LT	D
SNEINTON P.STN	3769	117848	SK592393	25	614	1904	1962	LT	D
HOLME SLUICE NO.2	3771	117867	SK615393	23	596	1965	1965	LT	D
KEYWORTH		117925	SK621316	69	595	1988	1991	LT	M
STOKE BARDOLPH STW	3774	118171	SK635417	22	611	1970	1970	LT	D
FARNSFIELD	3780	118731	SK639561	58	673	1967	1967	LT	D
WOOLSTHORPE GRANGE	3785	119386	SK838351	57	589	1960	1961	LT	D
COX'S WALK FARM		119422	SK837384	49	569	1969	1969	LT	D
BARKESTONE,WILDER FM	3982	120067	SK781349	58	586	1978	1979	LT	D
FLAWBOROUGH HALL	3903	120262	SK782429	30	529	1976	1977	LT	D
ASLOCKTON STW	3993	120439	SK726405	20	576	1981	1982	LT	D
BALDERTON		120611	SK823516	17	552	1965	1965	LT	D
COLLINGHAM STW	3801	121173	SK828629	9	572	1968	1968	LT	M
BROADWATERS FARM	3980	121285	SK754635	42	604	1977	1978	LT	D
TORKSEY P.S.		122084	SK836780	5	585	1922	1961	LT	D
BRAMPTON,MANOR FARM	3986	122165	SK847795	5	592	1979	1980	LT	D
GAINSBOROUGH STW	3814	122500	SK818876	7	560	1975	1975	LT	D
SUTTON-IN-ASHFIELD	3816	122707	SK510595	139	721	1915	1941	LT	D
MANSFIELD STW	3818	122775	SK548621	85	703	1973	1973	LT	D
RAINWORTH,SPRING HIL	3824	123028	SK597592	90	689	1976	1977	LT	D
SHIREBROOK STW	3826	123618	SK534674	78	652	1972	1972	LT	D
WARSOP,GLEADTHORPE	3828	123712	SK591699	46	629	1951	1991	LT	D
CLOWNE STW	3838	123963	SK503755	115	668	1976	1977	LT	D
CLUMBER PARK	3836	124227	SK623750	47	631	1972	1972	LT	D
WEST RETFORD		124399	SK696829	14	593	1994	1994	LT	D
WISETON P.STN	3844	124691	SK711893	6	592	1965	1991	LT	D
HARDWICK GRANGE	3992	124936	SK485863	107	668	1981	1982	LT	D
MANTON STW	3901	125215	SK609792	27	616	1977	1978	LT	D
ABBAY LATHE STW	3855	125416	SK538903	66	690	1974	1974	LT	D
WIGTHORPE		125616	SK603832	45	618	1993	1993	LT	D
OWSTON FERRY	3869	126521	SE805019	11	563	1972	1972	LT	D

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TABLE 27
RAINFALL STORAGE GAUGES: TRENT CATCHMENT
MET OFFICE NUMBER ORDER

STATION NAME	SITE REF	MET. OFFICE	NGR	ALTITUDE (m)	SAAR (mm)	START RECORD	START DATA	AREA	FREQ
WILLOUGHTON MANOR	3994	126701	SK935932	46	608	1982	1982	LT	D
LAUGHTON	3859	126787	SK864982	23	603	1972	1972	LT	D
WARMSWORTH STW	3874	127749	SK550998	21	617	1969	1969	LT	D
CROWLE		128787	SE749098	3	563	1881	1941	LT	D
KEADBY P.STN	3884	128856	SE835112	6	586	1947	1961	LT	D

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TABLE 27
RAINFALL STORAGE GAUGES: SEVERN CATCHMENT
MET OFFICE NUMBER ORDER

STATION NAME	SITE REF	MET. OFFICE	NGR	ALTITUDE (m)	SAAR (mm)	START RECORD	START DATA	AREA	FREQ
MOEL CYNEDD	1153	420655	SN843877	358	2366	1968	1991	US	D
CERN LLECH		420805	SN955773	317	1340	1992	1992	US	D
GARTH-FAWR	1071	420868	SN996791	366	1119	1962	1962	US	D
LLANIDLOES	1294	420983	SN948837	171	1224	1975	1975	US	D
BRYN-Y-FEDWEN	1605	421048	SN836952	509	1801	1971	1992	US	M
DOL BACHOG	1008	421090	SN884936	314	1638	1949	1962	US	D
WAUN-LLWYD, BARCUD	1610	421125	SN841910	442	2412	1971	1992	US	M
DOLYDD	1152	421140	SN873905	297	1856	1968	1968	US	D
CLYWEDOG DAM	1110	421234	SN911870	290	1670	1969	1971	US	D
LLANDINAM	1120	421484	SO022894	131	941	1971	1971	US	D
DOLFOR	1324	422328	SO102870	312	979	1975	1976	US	D
NEWTOWN		422367	SO091901	120	959	1988	1991	US	M
GREGYNOG HALL	1057	422493	SO085976	192	977	1965	1969	US	D
LOWER CERN PERFA	1400	422693	SO129892	229	904	1982	1982	US	D
GARTHMYL LODGE	1403	423008	SO193990	85	832	1983	1983	US	D
MANAFON	1231	423292	SO112024	134	945	1972	1991	US	D
BROADWAY HALL, C'STOK	1414	423499	SO299930	145	773	1990	1991	US	D
CHIRBURY, OAKLEE	1384	423879	SO261983	108	692	1982	1982	US	D
WELSHPOOL, B. FROCHAS	1503	424199	SJ195081	213	870	1972	1972	US	D
WELSHPOOL WRW	1221	424216	SJ233073	70	764	1972	1972	US	D
HOPE, BUTTINGTON VIEW	1341	424242	SJ259074	198	809	1977	1982	US	D
WERN VIEW	1239	424573	SJ252132	67	733	1976	1977	US	D
RHIWARGOR	1620	424744	SH963244	262	1845	1943	1992	US	M
YR-EITHIN	1642	424767	SH955269	488	2154	1978	1992	US	M
GADFA 2	1623	424811	SH928232	480	2268	1992	1992	US	M
AFON CEDIG, H. EGLWYS	1631	424927	SH993253	433	1853	1951	1992	US	M
BRYN GWYN	1633	424961	SH999196	400	1831	1879	1992	US	M
LAKE VYRNWY B		424999	SJ012187	360	1645	1994	1994	US	D
LAKE VYRNWY SAWS		425000	SJ012187	360	1645	1994	1994	US	D
LAKE VYRNWY 3		425114	SJ009179	235	1659	1989	1991	US	M
LLANFANGEL	1333	425345	SJ089167	274	1154	1975	1976	US	D
ABERCANNON FARM	1002	425785	SH962069	244	1660	1949	1961	US	D
CWM GOLEU	1340	426180	SJ133057	236	950	1977	1991	US	D
LLANFYLLIN STW	1334	426593	SJ154188	113	989	1976	1977	US	D
LLANSANTFFRAID, WAEN	1366	426762	SJ235197	78	792	1979	1980	US	D
LLANGYNOG STW	1700	426853	SJ053258	168	1355	1975	1976	US	D
HIRNANT	1640	426967	SJ048225	233	1413	1941	1992	US	M
RHIWLAS	1149	427166	SJ114260	228	1156	1944	1961	US	D
LLANGEDWYN	1053	427387	SJ174243	116	923	1961	1961	US	D
PENYGWELY RES. TY-UCH	1794	427444	SJ221319	322	1051	1987	1988	US	D
LLANYMYNECH		427745	SJ267211	75	747	1987	1987	US	W
LLANFORDA RES	1536	427859	SJ268296	213	923	1897	1961	US	D
OSWESTRY SCHOOL		427863	SJ285293	139	829	1985	1986	US	D
CRICKHEATH MEADOWS	1362	428051	SJ294230	69	727	1979	1980	US	D
PRESTON MONTFORD	1538	428553	SJ432144	61	648	1976	1991	US	D
PRESTON MONTFORD		428554	SJ432144	61	657	1980	1981	US	D
SHELTON	1122	429413	SJ465135	87	637	1970	1970	US	D
PENNERLEY		429744	SO358996	357	847	1988	1991	US	M
EDGE		430000	SJ398089	126	697	1988	1991	US	D
WESTBURY	1233	430038	SJ355095	130	733	1972	1972	US	D
WILLOUGHBRIDGE	1288	430632	SJ752399	119	820	1981	1982	US	D
MARKET DRAYTON STW	1072	430917	SJ669333	76	705	1978	1979	US	D

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TABLE 27
RAINFALL STORAGE GAUGES: SEVERN CATCHMENT
MET OFFICE NUMBER ORDER

STATION NAME	SITE REF	MET. OFFICE	NGR	ALTITUDE (m)	SAAR (mm)	START RECORD	START DATA	AREA	FREQ
SANDFORD	1280	431004	SJ583340	84	706	1973	1973	US	D
STOKE-ON-TERN	1404	431151	SJ642290	76	682	1984	1991	US	D
PEFLOW,HOME FARM	1345	431312	SJ636247	69	679	1978	1979	US	D
MORETON	1236	431584	SJ797170	88	698	1972	1972	US	D
NEWPORT	1123	432251	SJ712204	64	651	1903	1991	US	D
SLEAP COTTS,CRUDGING	1407	432336	SJ630176	53	643	1985	1985	US	D
RUSHMOOR STW	1339	432811	SJ617135	50	647	1979	1987	US	D
COCKSHUTT	1224	433056	SJ436287	99	713	1974	1975	US	D
WEM STW	1363	433237	SJ518286	76	688	1979	1980	US	D
SHAWBURY MET-OFFICE	1150	433710	SJ553220	72	652	1944	1987	US	D
SHAWBURY MET-OFFICE		433711	SJ553220	72	652	1987	1987	US	D
ALL STRETTON	1281	434078	SO457958	256	847	1973	1973	US	D
DORRINGTON	1229	434223	SJ481033	99	717	1972	1972	US	D
HARNAGE GRANGE	1041	434595	SJ569021	117	644	1935	1962	US	D
MUCH WENLOCK	1320	434942	SO619999	168	739	1975	1975	US	D
COALBROOKDALE		435061	SJ668048	73	729	1992	1992	US	D
COALPORT	1293	435131	SJ707015	40	683	1974	1974	US	D
WESTON PARK	1544	435388	SJ806108	113	719	1873	1961	US	D
COSFORD STW	1151	435509	SJ780046	59	657	1965	1965	US	D
HATTON GRANGE	1545	435528	SJ764043	80	687	1871	1899	US	D
PATTINGHAM	1238	435970	SO826992	122	682	1973	1973	US	D
MORVILLE HALL	1405	436549	SO669940	91	707	1985	1985	US	D
HAMPTON LOADE	1003	436697	SO752870	70	671	1969	1969	LS	D
TRIMPLEY STW	1548	437138	SO772789	41	693	1967	1967	US	D
BAYTON COMMON	1247	437158	SO710729	198	721	1972	1972	US	D
HAYLEY GREEN P.STA	1549	437487	SO941815	180	790	1959	1961	US	D
HALESOWEN		437489	SO948822	155	768	1987	1991	US	M
LYE STW	1521	437694	SO919849	75	681	1944	1961	US	D
ASHWOOD P.STN	1553	438251	SO866878	63	657	1919	1961	US	D
ENVILLE HALL	1029	438304	SO825866	99	715	1960	1961	US	D
HAGLEY STW	1273	438639	SO898799	81	668	1976	1977	US	D
KIDDERMIN,AGGBOROUGH	1411	438716	SO835759	61	632	1982	1988	LS	D
SHENSTONE	1316	438937	SO863735	76	660	1979	1980	US	D
WILDMOOR 2	1264	439356	SO960757	140	737	1992	1992	US	D
BROMSGROVE STW	1173	439482	SO959685	67	663	1937	1961	US	D
DROITWICH, TAGWELL RD.		439675	SO903624	54	631	1994	1994	US	D
ELMBRIDGE	1253	439790	SO901678	56	610	1972	1972	US	D
LINCOMB LOCK	1116	439993	SO821693	19		1996	1996	US	D
BARBOURNE		440131	SO846570	25	616	1988	1991	LS	M
KNIGHTON,VICTORIA RD	1043	440707	SO287725	183	971	1960	1961	US	D
BRAMPTON BRYAN	1067	440885	SO371762	131	844	1961	1961	US	D
TWO CROSSES	1048	441059	SO238866	434	1012	1961	1961	US	D
CLUN	1255	441305	SO309801	262	909	1972	1972	US	D
CLUNBURY	1066	441373	SO372805	158	812	1961	1961	US	D
LEINTHALL EARLS	1252	442025	SO444677	134	761	1976	1977	US	D
RATLINGHOPE,COATES	1012	442525	SO393954	328	820	1968	1968	US	D
CHURCH STRETTON STW	1386	442927	SO438909	180	828	1980	1981	US	D
CRAVEN ARMS STW	1271	443093	SO437811	111	757	1975	1976	US	D
OAKLY PARK	1142	443216	SO491762	91	730	1899	1899	US	D
LONGVILLE,WILDERHOPE	1795	443365	SO545928	229	761	1989	1989	US	D
WESTHOPE,GARDEN COTT	1148	443638	SO475863	186	780	1936	1961	US	D
LUDLOW COLLEGE NO.2		443873	SO509746	107	744	1990	1991	US	M

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TABLE 27
RAINFALL STORAGE GAUGES: SEVERN CATCHMENT
MET OFFICE NUMBER ORDER

STATION NAME	SITE REF	MET. OFFICE	NGR	ALTITUDE (m)	SAAR (mm)	START RECORD	START DATA	AREA	FREQ
LUDLOW STW	1312	443891	SO516732	72	718	1978	1979	US	D
CLEE STANTON	1410	444353	SO580788	255	840	1990	1991	US	D
KYRE	1022	444643	SO638620	99	722	1959	1961	US	D
TENBURY STW	1313	444765	SO604685	73	645	1978	1979	US	D
BURWARTON	1416	445032	SO618853	253	870	1990	1991	US	D
DETTON HALL		445233	SO667796	153	755	1994	1994	US	D
EASTHAM	1277	445563	SO669680	88	681	1977	1978	US	D
KINGSWOOD		445778	SO744598	53	694	1961	1961	US	D
UPPER COLWALL		446121	SO764435	198	701	1992	1992	US	D
OLD STORRIDGE	1512	446330	SO750514	84	713	1962	1963	US	D
MONKWOOD GREEN	1272	446551	SO797602	50	616	1976	1982	US	D
GREAT MALVERN		446802	SO791470	44	711	1974	1991	LS	D
MALVERN	1563	446823	SO790461	62	715	1955	1991	LS	D
CLEVELODE FARM		446888	SO833460	30	645	1981	1982	LS	D
CASTLEMORTON	1267	447152	SO782381	60		1995	1995	LS	D
TEWKESBURY P.STN	1564	447570	SO890337	14	590	1913	1961	LS	D
WELFORD, NEW	1415	447652	SP639800	115	685	1990	1991	LS	D
STANFORD RES	1155	447787	SP596804	112	651	1942	1961	LS	D
LUTTERWORTH STW	1397	448389	SP531830	107	630	1976	1977	LS	D
RUGBY	1565	448545	SP507749	117	635	1957	1991	LS	D
CHURCH LAW FORD 'B'		448620	SP456735	107	641	1988	1988	LS	D
CHURCH LAW FORD SAWS		448621	SP456735	107	641	1983	1992	LS	M
COVENTRY, WALSGRAVE	1401	449242	SP380798	75	636	1981	1982	LS	D
COVENTRY, BABLAKE SCH		449609	SP326797	93	666	1984	1991	LS	D
RINHAM STW	1045	449958	SP334740	61	658	1960	1961	LS	D
STAVERTON	1049	450183	SP537611	168	681	1961	1961	LS	D
DRAYCOTE RES	1200	450489	SP469693	98	635	1971	1971	LS	D
SOUTHAM, 76 BANBURY	1402	451117	SP416613	82	637	1983	1983	LS	D
HATTON	1798	451683	SP243669	98	662	1938	1961	LS	W
WELLESBOURNE	1165	452036	SP271565	47	584	1991	1991	LS	D
WELLESBOURNE NO.2		452037	SP271565	47	601	1978	1979	LS	D
LOWER BRAILES SCHOOL	1204	452840	SP308393	128	643	1971	1971	LS	D
CHIPPING CAMPDEN STW	1761	453096	SP164393	123	715	1981	1982	LS	D
BLOCKLEY	1574	453191	SP165348	137	688	1925	1928	LS	D
SHIPSTON-ON-STOUR	1087	453420	SP268411	67	600	1981	1982	LS	D
ILMINGTON	1203	453836	SP209436	119	671	1971	1971	LS	D
STRATFORD, MILCOTE	1086	453923	SP182529	47	602	1990	1991	LS	D
STRATFORD, EXP.		454099	SP164549	49	616	1941	1991	LS	D
LYE BR. (ALVECHURCH)	1201	454433	SP032717	104	718	1975	1976	LS	D
STUDLEY STW	1016	454739	SP080625	61	651	1975	1976	LS	D
BROADWAY STW	1210	455992	SP081378	69	635	1979	1980	LS	D
SUDELEY LODGE	1580	456197	SP041270	152	761	1976	1977	LS	D
DIDBROOK FIELDS	1593	456333	SP048320	80	639	1977	1991	LS	D
HAMPTON PARK STW	1111	456523	SP030446	30	611	1957	1961	LS	D
ASTWOOD BANK	1581	456753	SP045611	139	665	1976	1991	LS	D
PERSHORE SAWS		457096	SO973499	32	589	1989	1991	LS	M
PERSHORE 'B'		457097	SO973499	32	575	1989	1989	LS	D
PERSHORE COLLHORT.	1169	457134	SO959447	40	630	1952	1991	LS	D
BROCKHAMPTON STW	1726	458427	SO944266	40	595	1983	1984	LS	D
CHELTENHAM, MONTPEL		458905	SO946218	65	717	1903	1991	LS	D
WHITCOMBE RES	1522	459378	SO903151	84	753	1863	1882	LS	D
STAPLOW	1391	459695	SO693416	70	717	1982	1982	LS	D

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TABLE 27
RAINFALL STORAGE GAUGES: SEVERN CATCHMENT
MET OFFICE NUMBER ORDER

STATION NAME	SITE REF	MET. OFFICE	NGR	ALTITUDE (m)	SAAR (mm)	START RECORD	START DATA	AREA	FREQ
LEDBURY STW	1119	459794	SO701372	46	665	1976	1977	LS	D
UPTON BISHOP	1797	460031	SO653270	105	713	1993	1993	LS	D
BROMSBERROW HEATH PS	1175	460147	SO738332	55	670	1908	1961	LS	D
STAUNTON STW	1274	460418	SO785282	21	648	1973	1977	LS	D
TAYNTON	1516	460748	SO742216	25	702	1928	1961	LS	D
HARESCOMBE GRANGE	1587	460921	SO843105	170	729	1901	1961	LS	D
HEMPSTED(NETHERIDGE)	1146	460970	SO811157	12	636	1959	1961	LS	D
MISERDEN PARK	1141	461467	SO938088	232	879	1930	1961	LS	D
DUNTISBOURNE		461492	SO961064	215	842	1989	1989	LS	D
RUSHCOMBE NO.2		461892	SO831071	200	759	1989	1991		M
AVENING	1261	461940	ST885982	130	825	1973	1973	US	D
WOODCHESTER,HOME GRD	1793	462125	SO838026	76	811	1987	1987	LS	D
CINDERFORD CRUMP MED	1279	463377	SO646138	152	920	1977	1978	LS	D
DOWN HOUSE,BROMYARD	1138	475361	SO671545	150	714	1950	1992	US	D
AVONMOUTH STW		419025	ST534794	6	802	1982	1992	LS	D
ALDERLY P.S.		419746	ST773914	63	810	1954	1992	LS	M
ALDERLEY FISH FARM		419747	ST769913	55	794	1991	1992	LS	D
KINGSWOOD STW		419869	ST743929	42	774	1963	1992	LS	D
BERKELEY		420206	ST686997	21	748	1989	1992	LS	M
SUMBRIDGE		420418	SO722047	5	710	1988	1991	LS	M
SUMBRIDGE SSER		420419	SO722047	5	710	1989	1989	LS	D
SLIMBRIDGE SIX ACRES		420422	SO736008	45	740	1994	1994	LS	D

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LOCATION OF RAINFALL STORAGE GAUGES.

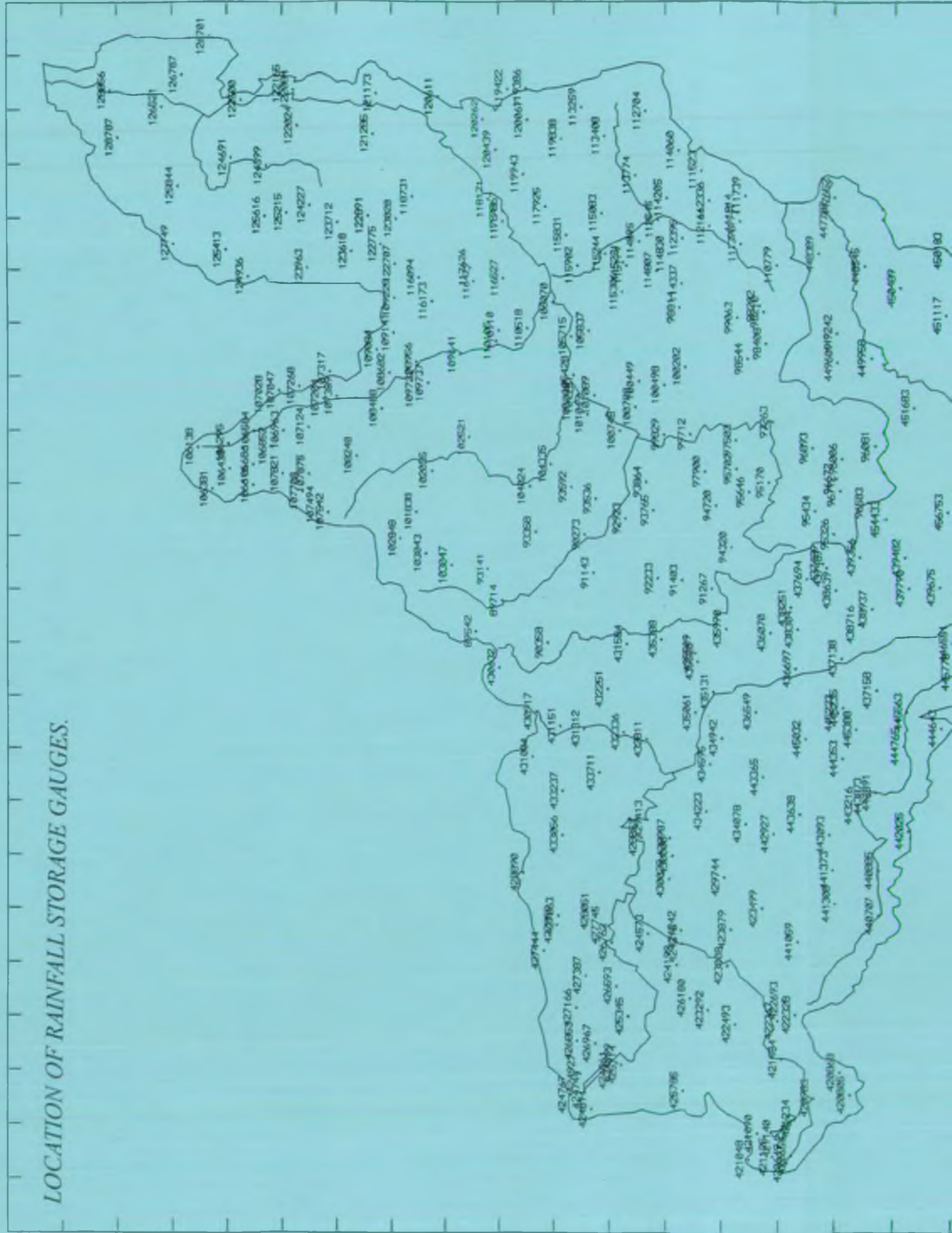


FIGURE 44.

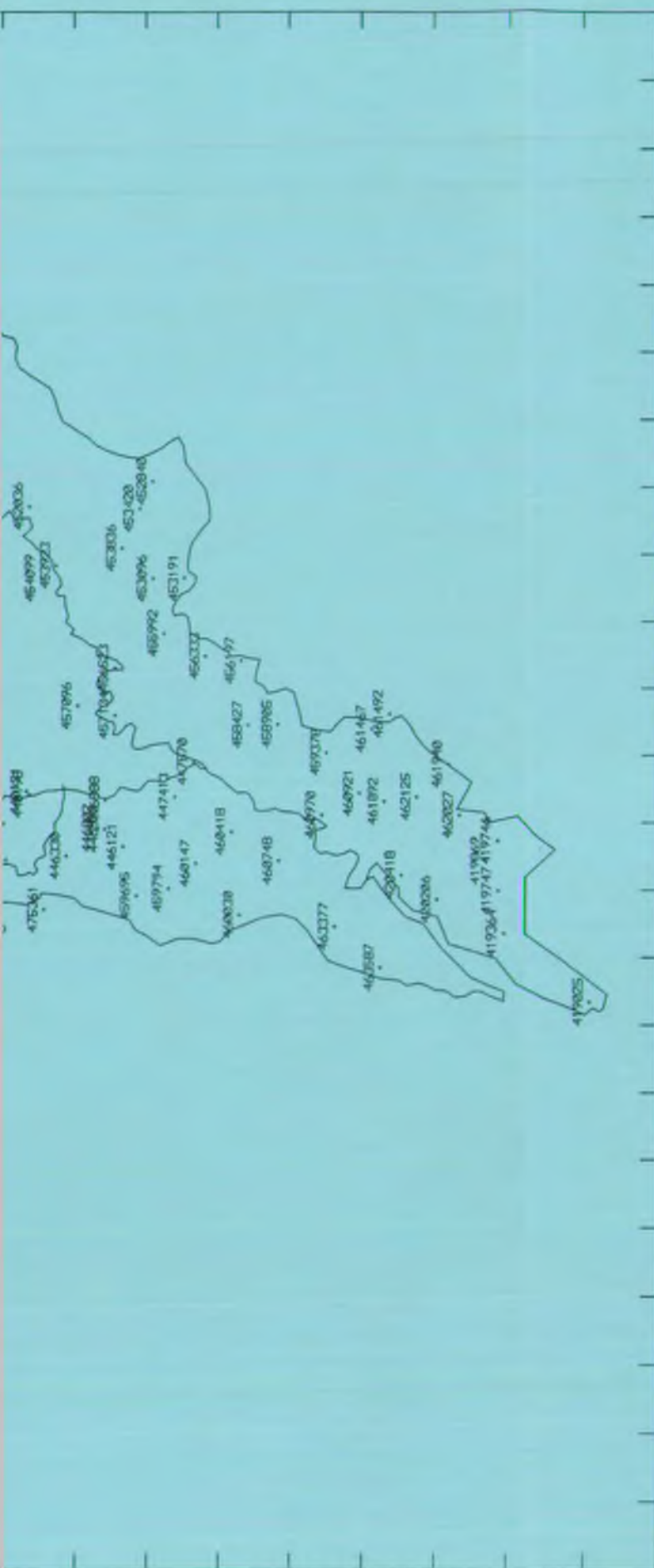


TABLE 28
CLIMATE STATION CATALOGUE

STATION NAME	AREA	MET. OFFICE REFERENCE NUMBER	NATIONAL GRID REFERENCE	ALTITUDE (m)	STATION TYPE	DATE OF FIRST RECORD
DOLYDD	UPPER SEVERN	-	SN 873 905	297	Air Temperature & Wind Run	Real Time Only No Archive Record
CAERSWS	UPPER SEVERN	-	SO 040 925	137	Air Temperature & Wind Run	Real Time Only No Archive Record
VYRNWY	UPPER SEVERN	-	SJ 017 188	303	Air Temperature & Wind Run	Real Time Only No Archive Record
BISHOPS CASTLE	UPPER SEVERN	-	SO 338 873	251	Air Temperature & Wind Run	Real Time Only No Archive Record
HARTLEBURY	UPPER SEVERN	-	SO 846 696	73	Air Temperature & Wind Run	Real Time Only No Archive Record
LANGLEY	LOWER SEVERN	-	SP 005 282	165	Air Temperature	Real Time Only No Archive Record
LEDBURY	LOWER SEVERN	-	SO 701 372	38	Air Temperature & Wind Run	Real Time Only No Archive Record
WELLESBOURNE	LOWER SEVERN	-	SP 271 565	47	Air Temperature & Wind Run	Real Time Only No Archive Record
BRAUNSTON	LOWER SEVERN	-	SP 533 658	107	Wind Run	Real Time Only No Archive Record
AVONMOUTH	LOWER SEVERN	-	ST 503 791	30	Wind Direction & Speed	Real Time Only No Archive Record
MUMBLES	LOWER SEVERN	-	SS 627 870	32	Wind Direction & Speed	Real Time Only No Archive Record
RAF CHIVENOR	LOWER SEVERN	-	SS 498 345	20	Wind Direction & Speed	Real Time Only No Archive Record
STONE	UPPER TRENT	-	SJ 878 321	107	Air Temperature & Wind Run	Real Time Only No Archive Record
FRANKLEY	UPPER TRENT	-	SP 007 801	174	Air Temperature & Wind Run	Real Time Only No Archive Record
WALSALL WOOD	UPPER TRENT	-	SK 038 042	140	Air Temperature & Wind Run	10/96
HOLLINSCLOUGH	UPPER TRENT	-	SK 066 665	291	Air Temperature & Wind Run	Real Time Only No Archive Record
CLAY MILLS	UPPER TRENT	-	SK 265 259	43	Air Temperature & Wind Run	09/96
TIDESWELL	LOWER TRENT	-	SK 155 746	255	Air Temperature & Wind Run	Real Time Only No Archive Record
BARBROOK	LOWER TRENT	-	SK 281 770	323	Air Temperature & Wind Run	09/96
NARBOROUGH	LOWER TRENT	-	SP 549 966	74	Air Temperature & Wind Run	Real Time Only No Archive Record
BROOKSBY	LOWER TRENT	-	SK 679 154	70	Air Temperature & Wind Run	03/97
WORKSOP MANTON	LOWER TRENT	-	SK 608 791	62	Air Temperature & Wind Run	03/97

Table 29
Groundwater Observation Borehole Network - Trent Catchment

NAME OF BOREHOLE	REF NO.	GRID REF	AQUIFER	GROUNDWATER UNIT & CODE	START OF RECORD	FREQUENCY	AREA
Green Lane (A)	1054	SK 2058 2000	SD	Burton Gravels 15-UT	11/03/87	Monthly	UT
Green Lane (B)	1055	SK 2058 2000	SD	Burton Gravels 15-UT	11/03/87	Monthly	UT
Morrisons	1072	SK 2295 2165	SD	Burton Gravels 15-UT		Monthly	UT
Cottam (shallow)	8006	SK 8148 7918	MM	Minor Aquifer 24-LT	22/12/89	Monthly	LT
Hareko	1652	SK 4306 1581	MM	Minor Aquifer 24-LT	02/09/71	Monthly	LT
West Burton (shallow)	8015	SK 7880 8150	MM	Minor Aquifer 24-LT	19/05/92	Monthly	LT
Broughton Hall	1032	SJ 7669 3394	MM	Minor Aquifer 24-UT	13/08/80	Monthly	UT
Podmore	1022	SJ 7837 3551	MM	Minor Aquifer 24-UT	13/10/66	Monthly	UT
Charity Farm	1218	SP 2637 9699	CM	Arley D.0.1	24/05/74	Monthly	UT
Robinsons End	1217	SP 3175 9106	CM	Arley D.0.1	29/11/72	Monthly	UT
United Biscuits (Ashby)	1027	SK 3516 1781	CM	Swadlincote D.0.2	29/11/78	Monthly	UT
Bog Lane	1042	SK 3732 2434	N	Melbourne D.0.3	25/03/81	Monthly	UT
Big Moor	1416	SK 2808 7460	N	Hathersage D.2.3	11/11/48	Monthly	LT
Alstonfield	1420	SK 1292 5546	D	Alstonfield D.3.3	16/05/74	Monthly	UT
Brassington	1435	SK 2228 5414	D	Alstonfield D.3.3	12/12/75	Monthly	UT
Landroft Farm	1441	SK 0942 5925	D	Alstonfield D.3.3	23/03/77	Monthly	UT
Two Dale Barn	1437	SK 1938 5585	D	Alstonfield D.3.3	04/08/77	Monthly	UT
Wardlow	1421	SK 0854 4772	D	Alstonfield D.3.3	17/05/74	Monthly	UT
Hallam Shafts	1454	SK 2925 5475	D	Matlock D.3.4	20/12/83	Monthly	LT
Nutseats Quarry	1433	SK 2370 6582	D	Matlock D.3.4	11/03/76	Monthly	LT
Oddo House Farm	1431	SK 2181 6072	D	Matlock D.3.4	11/04/69	Monthly	LT
Rider Point	1419	SK 2615 5641	D	Matlock D.3.4	07/01/76	Monthly	LT
Bee Low	1444	SK 0856 7901	D	Buxton D.3.5	12/10/77	Monthly	LT
Bull I Th Thorne	1423	SK 1278 6655	D	Buxton D.3.5	11/04/69	Monthly	UT
Dalehead Farm	1430	SK 2081 6801	D	Buxton D.3.5	30/04/76	Monthly	LT
Great Hucklow South	1424	SK 1777 7762	D	Buxton D.3.5	11/04/69	Monthly	LT
Highcliffe Farm	1442	SK 0819 7135	D	Buxton D.3.5	15/12/76	Monthly	LT
Hindlow Quarry	1457	SK 0975 6801	D	Buxton D.3.5	07/05/92	Monthly	UT
Peak Forest	1426	SK 1201 7880	D	Buxton D.3.5	21/08/73	Monthly	LT
Victory Quarry	1443	SK 0750 7691	D	Buxton D.3.5	15/03/77	Monthly	LT
Shireoak	1202	SK 0614 0416	CM	West Midlands D.5.1	11/12/70	Monthly	UT
Gildingwells	1759	SK 5581 8502	ML	Maltby E.1.2	14/12/73	2 Monthly	LT
Stainton Littlewood	1767	SK 5547 9425	ML	Maltby E.1.2	16/01/73	Monthly	LT
Hodhill Farm	1766	SK 5209 6634	ML	Bolsover E.1.3	08/02/72	Monthly	LT
Marlpit Lane (Bolsover)	1762	SK 4830 7092	ML	Bolsover E.1.3	22/02/74	Monthly	LT
Southards Lane	1760	SK 5254 8021	ML	Bolsover E.1.3	08/01/73	Monthly	LT
Whitwell Highwood	1763	SK 5146 7656	ML	Bolsover E.1.3	15/01/73	Monthly	LT
Kirkby-in-Ashfield	1771	SK 4901 5606	ML	Mansfield E.1.4	12/06/73	Monthly	LT
Penniment Farm	1764	SK 5082 6201	ML	Mansfield E.1.4	08/11/66	Monthly	LT
Pleasey Vale	1873	SK 5160 6484	ML	Mansfield E.1.4	11/03/93	Monthly	LT
Stanton Hill	1765	SK 4796 6021	ML	Mansfield E.1.4	23/01/73	Monthly	LT
End Cottage	1769	SK 5129 4185	ML	Hucknall E.1.5	06/01/69	Monthly	LT
Whitwick	1653	SK 4306 1581	SS	Diseworth F.0.1	18/03/74	Monthly	LT
Ibstock	1212	SK 4043 0904	SS	Coalville F.0.2	05/05/72	Monthly	UT
Branston Ordnance Depot	1019	SK 2346 2155	SS	Burton F.0.4	17/01/69	Monthly	UT
Repton Park Farm	1015	SK 3132 2398	SS	Burton F.0.4	03/12/73	Monthly	UT
Royle Farm	1014	SK 2543 1898	SS	Burton F.0.4	24/11/72	Monthly	UT
Barnsheath Farm	1028	SK 3283 1010	SS	Measham F.0.5	21/09/78	Monthly	UT
Grangewood	1021	SK 2731 1414	SS	Measham F.0.5	31/01/67	Monthly	UT
Unigate	1017	SK 3690 1012	SS	Measham F.0.5	06/06/69	Monthly	UT
Whitehouse	1018	SK 3226 1080	SS	Measham F.0.5	28/10/66	Monthly	UT
Newton Regis	1211	SK 2817 0738	SS	Warton F.0.6	27/02/70	Monthly	UT
Cowburns	1213	SP 3608 9105	SS	Nuneaton F.0.7	21/01/72	Monthly	UT
Arnthorpe	1807	SK 6335 0747	SS	Doncaster F.1.1	09/03/81	2 Monthly	LT
Bessacarr	1811	SE 5983 0067	SS	Hatfield F.10.1	09/03/81	Monthly	LT
Blaxton (Finningley Grange)	1718	SE 6870 0074	SS	Hatfield F.10.1	02/04/70	Monthly	LT
Boston Park	1717	SE 6772 0454	SS	Hatfield F.10.1	22/10/67	Monthly	LT
Boston Park Farm	1707	SE 6773 0453	SS	Hatfield F.10.1	06/10/76	Monthly	LT
Branton W.R.W.	1809	SE 6370 0070	SS	Hatfield F.10.1	09/03/81	Monthly	LT
Brierholme Carr	1852	SE 6785 1059	SS	Hatfield F.10.1	04/11/76	Monthly	LT

AQUIFER: KEY TO ABBREVIATIONS

SD Superficial Deposits
 SS Sherwood Sandstones
 CM Coal Measures

N Namurian Millstone Grit
 ML Magnesian Limestone [Lower]
 MM Minor Aquifer e.g. Mercia Mudstones

LL Lincolnshire Limestone
 D Dinantian Carboniferous Limestone

Table 29
Groundwater Observation Borehole Network - Trent Catchment

NAME OF BOREHOLE	REF NO.	GRID REF	AQUIFER	UNIT &	GROUNDWATER CODE	START OF RECORD	FREQUENCY	AREA
Cantley Towers	1804	SE 6160 0100	SS	Hatfield	F.10.1	02/07/80	Monthly	LT
Cherry Tree	1713	SK 7154 1000	SS	Hatfield	F.10.1	20/08/68	Monthly	LT
Cockwood Farm	1778	SE 6603 0357	SS	Hatfield	F.10.1	19/12/77	Monthly	LT
Dirtness	1875	SE 7495 0980	SS	Hatfield	F.10.1	01/05/94	Monthly	LT
Ellerholme Farm	1805	SE 6987 0340	SS	Hatfield	F.10.1	02/04/80	Monthly	LT
Four Acres (Gatewood Lane)	1846	SE 6360 0253	SS	Hatfield	F.10.1	06/04/82	Monthly	LT
Glentworth	1700	SE 6848 0991	SS	Hatfield	F.10.1	08/07/65	Monthly	LT
Hatfield Marina	1864	SE 6696 1010	SS	Hatfield	F.10.1	15/07/92	Monthly	LT
Holme House Farm	1712	SE 6580 0580	SS	Hatfield	F.10.1	14/05/69	Monthly	LT
Holmewood Grange Farm	1702	SE 6540 0570	SS	Hatfield	F.10.1	14/05/69	Monthly	LT
Huggin Carr Farm	1851	SE 6778 0546	SS	Hatfield	F.10.1	02/09/82	Monthly	LT
Lindholme Hall	1865	SE 7083 0626	SS	Hatfield	F.10.1	15/07/92	Monthly	LT
Marshall's Quarry	1780	SE 6581 0782	SS	Hatfield	F.10.1	12/12/77	Monthly	LT
Mill Hill Quarry	1703	SE 6685 0860	SS	Hatfield	F.10.1	12/06/72	Monthly	LT
Partridge Hill Quarry	1775	SK 6596 9598	SS	Hatfield	F.10.1	07/09/76	Monthly	LT
Pighill Thorne	1719	SE 7022 1593	SS	Hatfield	F.10.1	22/10/71	Monthly	LT
Ponyfield (Finningley Parks)	1776	SK 6617 9714	SS	Hatfield	F.10.1	06/01/77	Monthly	LT
Rooks Farm	1720	SK 7062 9976	SS	Hatfield	F.10.1	04/09/74	Monthly	LT
Sandall Beat	1792	SE 6147 0401	SS	Hatfield	F.10.1	15/11/79	Monthly	LT
Sandall Common Farm	1788	SE 6296 0698	SS	Hatfield	F.10.1	13/02/78	Monthly	LT
Sparrington Farm	1847	SE 6666 0513	SS	Hatfield	F.10.1	06/05/82	Monthly	LT
Stainforth Hags	1715	SE 6406 1025	SS	Hatfield	F.10.1	08/05/69	Monthly	LT
Stone Hill Farm	1779	SE 6833 0905	SS	Hatfield	F.10.1	02/12/77	Monthly	LT
Torne Bridge	1806	SE 6770 0343	SS	Hatfield	F.10.1	02/04/80	Monthly	LT
Tudworth Hall Field	1710	SE 6901 1109	SS	Hatfield	F.10.1	07/11/63	Monthly	LT
Warning Tongue Lane	1789	SE 6333 0016	SS	Hatfield	F.10.1	13/02/78	Monthly	LT
Woodhouse Grange Motel	1850	SE 6784 0709	SS	Hatfield	F.10.1	08/01/80	Monthly	LT
Barnby Moor	1728	SK 6660 8473	SS	Blyth	F.10.2	30/08/74	Monthly	LT
Bole Ings	8000	SK 8050 8852	SS	Blyth	F.10.2	22/09/86	Monthly	LT
Chainbridge	8012	SK 7120 8573	SS	Blyth	F.10.2	15/07/92	Monthly	LT
Cottam (deep)	8002	SK 8130 7940	SS	Blyth	F.10.2	26/09/86	Monthly	LT
Crossley Hill	1722	SK 6191 8369	SS	Blyth	F.10.2	03/12/69	Monthly	LT
Danes Hill	1725	SK 6736 8646	SS	Blyth	F.10.2	11/11/69	Monthly	LT
Fenton Lane	1862	SK 7973 8302	SS	Blyth	F.10.2	23/05/91	2 Monthly	LT
Grange Farm	1801	SK 6602 8472	SS	Blyth	F.10.2	24/08/81	Monthly	LT
G.R Stein Refractories	1777	SK 6586 9448	SS	Blyth	F.10.2	07/09/76	Monthly	LT
Hayton Floodplain	8011	SE 5934 0101	SS	Blyth	F.10.2	15/07/92	Monthly	LT
Hayton Hill	8010	SK 7372 8530	SS	Blyth	F.10.2	15/07/92	Monthly	LT
Kilton Forest	1727	SK 6001 8096	SS	Blyth	F.10.2	18/08/71	Monthly	LT
Misson	1845	SK 6854 9512	SS	Blyth	F.10.2	06/04/92	Monthly	LT
Paul and Saunders	8016	SK 8153 8897	SS	Blyth	F.10.2	29/05/91	Monthly	LT
Serlby Park	1861	SK 6333 8982	SS	Blyth	F.10.2	02/04/92	Monthly	LT
Swinnow Wood	1716	SK 6308 9354	SS	Blyth	F.10.2	23/12/69	Monthly	LT
Waterpark	8014	SK 7022 8587	SS	Blyth	F.10.2	15/07/92	Monthly	LT
West Burton (deep)	8001	SK 7880 8150	SS	Blyth	F.10.2	29/09/86	Monthly	LT
Wedands (reserve)	8013	SK 6945 8517	SS	Blyth	F.10.2	15/07/92	Monthly	LT
Dutchess Plantation	1729	SK 5815 7525	SS	Retford	F.10.3	19/11/69	Monthly	LT
Fanny Kays Cottage	1855	SK 6720 7990	SS	Retford	F.10.3	24/09/87	Monthly	LT
Gamston	1747	SK 7035 7658	SS	Retford	F.10.3	28/10/69	Monthly	LT
Lady Well Lane	1863	SK 7480 7800	SS	Retford	F.10.3	01/08/91	2 Monthly	LT
Manton Lodge	1734	SK 6291 7738	SS	Retford	F.10.3	11/02/77	Monthly	LT
B.P. Bothamsall	1853	SK 6630 7420	SS	Thoresby	F.10.4	24/07/87	Monthly	LT
Bradmer Hill	1874	SK 5805 6645	SS	Thoresby	F.10.4	10/11/92	Monthly	LT
Morris Dancers	1730	SK 6455 7255	SS	Thoresby	F.10.4	28/10/69	Monthly	LT
Peafield	1732	SK 6434 5602	SS	Thoresby	F.10.4	28/10/69	Monthly	LT
Warsop	1872	SK 6282 6920	SS	Thoresby	F.10.4	11/01/94	Monthly	LT
Bilsthorpe	1736	SK 6420 6142	SS	Ravenshead	F.10.5	12/08/71	2 Monthly	LT
B.P. Egmanton	1854	SK 7546 6816	SS	Ravenshead	F.10.5	24/07/87	Monthly	LT
Coxmoor	1731	SK 5217 5762	SS	Ravenshead	F.10.5	28/10/69	Monthly	LT
Holly Lodge	1816	SK 5554 5586	SS	Ravenshead	F.10.5	14/04/75	Monthly	LT
Watch Hill	1735	SK 6137 5908	SS	Ravenshead	F.10.5	28/10/69	Monthly	LT

AQUIFER: KEY TO ABBREVIATIONS

SD Superficial Deposits	N Namurian Millstone Grit	LL Lincolnshire Limestone
SS Sherwood Sandstones	ML Magnesian Limestone [Lower]	D Dinantian Carboniferous Limestone
CM Coal Measures	MM Minor Aquifer	

Table 29
Groundwater Observation Borehole Network - Trent Catchment

NAME OF BOREHOLE	REF NO.	GRID REF	AQUIFER	UNIT &	GROUNDWATER CODE	START OF RECORD	FREQUENCY	MEDIA
B.P. Eakring	1753	SK 6792 5898	SS	Ravenshead	F.10.5	15/10/75	Monthly	LT
B.P. Kelham Hills	1756	SK 7592 5686	SS	Ravenshead	F.10.5	15/10/75	Monthly	LT
Catfoot Lane	1820	SK 6065 4598	SS	Ravenshead	F.10.5	16/05/75	Monthly	LT
Cliff Farm	1826	SK 6782 4684	SS	Ravenshead	F.10.5	28/11/75	Monthly	LT
Forest Farm	1781	SK 6237 5708	SS	Ravenshead	F.10.5	09/12/75	Monthly	LT
Fox Covert	1823	SK 5865 5057	SS	Ravenshead	F.10.5	15/05/75	Monthly	LT
Hill Farm	1818	SK 6510 4975	SS	Ravenshead	F.10.5	08/07/75	Monthly	LT
Kighill	1740	SK 5557 5315	SS	Ravenshead	F.10.5	28/10/69	Monthly	LT
Kirklington	1835	SK 6809 5670	SS	Ravenshead	F.10.5	15/12/76	Monthly	LT
Loath Hill	1814	SK 6321 5403	SS	Ravenshead	F.10.5	09/09/75	Monthly	LT
Long Bennington	1757	SK 8057 4598	SS	Ravenshead	F.10.5	02/07/75	Monthly	LT
Meridian	1739	SK 6140 4918	SS	Ravenshead	F.10.5	15/10/69	Monthly	LT
Mill Farm	1829	SK 6300 5000	SS	Ravenshead	F.10.5	08/07/75	Monthly	LT
New Hall Reservoir	1813	SK 6619 5456	SS	Ravenshead	F.10.5	29/04/75	2 Monthly	LT
Oxton	1738	SK 6243 5190	SS	Ravenshead	F.10.5	28/10/69	Monthly	LT
Oxton Bogs gb	1839	SK 6152 5126	SS	Ravenshead	F.10.5	09/07/79	Monthly	LT
Oxton Bogs (26) tw	1849	SK 6139 5142	SS	Ravenshead	F.10.5	20/03/81	Monthly	LT
Oxton Bogs (28) tw	1842	SK 6152 5142	SS	Ravenshead	F.10.5	25/06/80	Monthly	LT
Oxton Bogs (32) tw	1843	SK 6170 5110	SS	Ravenshead	F.10.5	12/01/81	Monthly	LT
Oxton Bogs (33)	1844	SK 6149 5127	SS	Ravenshead	F.10.5	25/06/80	Monthly	LT
Ramsdale Reservoir	1821	SK 5960 4830	SS	Ravenshead	F.10.5	21/04/75	Monthly	LT
Arkwrights Mill	1869	SK 5779 3990	SS	Wollaton	F.10.6	15/04/88	3 Monthly	LT
Bell Inn	1867	SK 5711 3986	SS	Wollaton	F.10.6	24/03/88	3 Monthly	LT
Brewhouse Yard	1868	SK 5694 3941	SS	Wollaton	F.10.6	15/06/88	3 Monthly	LT
Castlegate	1782	SK 5716 3972	SS	Wollaton	F.10.6	24/01/77	2 Monthly	LT
City Hospital	1858	SK 5672 4421	SS	Wollaton	F.10.6	12/10/89	Monthly	LT
Hazel Hill	1737	SK 5663 4639	SS	Wollaton	F.10.6	29/01/70	Monthly	LT
Island Street	1857	SK 5805 3958	SS	Wollaton	F.10.6	27/05/88	2 Monthly	LT
John Players	1742	SK 5542 4079	SS	Wollaton	F.10.6	15/10/67	Monthly	LT
Lord Nelson	1870	SK 5745 3991	SS	Wollaton	F.10.6	23/03/88	3 Monthly	LT
Mapperley Reservoir	1848	SK 5869 4310	SS	Wollaton	F.10.6	13/10/82	Monthly	LT
Salutation Inn	1871	SK 5713 3959	SS	Wollaton	F.10.6	18/04/88	3 Monthly	LT
Shipstones Brewery	1743	SK 5558 4202	SS	Wollaton	F.10.6	09/12/63	Monthly	LT
Spring Farm	1796	SK 7035 3801	SS	Wollaton	F.10.6	07/12/78	Monthly	LT
Station Street	1856	SK 5767 3938	SS	Wollaton	F.10.6	27/05/88	2 Monthly	LT
University Boiler House	1860	SK 5441 3833	SS	Wollaton	F.10.6	19/04/90	Monthly	LT
Woodland Farm	1657	SK 7687 3222	SS	Wollaton	F.10.6	11/03/80	Monthly	LT
York House	1744	SK 5731 4038	SS	Wollaton	F.10.6	26/01/73	Monthly	LT
Barton Transport	1802	SK 5244 3621	SS	Wollaton	F.10.6	12/11/80	Monthly	LT
East Leake	1655	SK 5587 2855	SS	Wollaton	F.10.6	03/08/79	Monthly	LT
Hall Gardens	1746	SK 5074 3723	SS	Wollaton	F.10.6	07/03/72	Monthly	LT
Lowes Nurseries	1785	SK 5173 3825	SS	Wollaton	F.10.6	10/01/78	Monthly	LT
Eggington Creamery	1409	SK 2610 2969	SS	K Langley/Burton	F.2.3	18/10/71	Monthly	UT
Sandy Lane	1401	SK 3002 3839	SS	Kirk Langley	F.2.3	03/11/86	Monthly	LT
Burton Shutts	1412	SK 2539 4431	SS	Shirley	F.3.1	12/06/72	Monthly	LT
Alton	1456	SK 0676 4321	SS	Alton	F.3.3	18/08/86	Monthly	UT
Wooton Lodge	1405	SK 0968 4397	SS	Alton	F.3.3	05/05/72	Monthly	UT
Stubwood	1408	SK 0971 4000	SS	Greatgate	F.3.4	09/11/66	Monthly	UT
Sunnybank Farm	1446	SK 0358 4064	SS	Greatgate	F.3.4	19/11/76	Monthly	UT
Teaen	1447	SK 0076 3972	SS	Teaen	F.3.5	05/05/77	Monthly	UT
Calverhay Farm	1003	SJ 9483 4156	DF	Forsbrook	F.3.6	04/02/74	Monthly	UT
Hardiwick Farm	1034	SJ 9571 4371	SS	Forsbrook	F.3.6	17/06/80	Monthly	UT
Little Grange Farm	1035	SJ 9850 4064	SS	Forsbrook	F.3.6	17/06/80	Monthly	UT
Moddershall	1036	SJ 9311 3661	SS	Spot	F.3.7	17/06/80	Monthly	UT
Rough Close	1004	SJ 9272 3900	SS	Spot	F.3.7	02/02/73	Monthly	UT
Squirrels Leap	1063	SJ 9265 3745	SS	Spot	F.3.7	04/02/76	Monthly	UT
Wheatshaf	1039	SJ 9301 3848	SS	Spot	F.3.7	20/06/80	Monthly	UT
Abbey Green Farm	1448	SJ 9783 5740	SS	Leek	F.3.8	06/07/78	Monthly	UT
High Up Farm	1445	SJ 9733 5813	SS	Leek	F.3.8	22/12/77	Monthly	UT
Highgate Farm	1455	SJ 9630 5860	SS	Leek	F.3.8	04/07/86	Monthly	UT

AQUIFER: KEY TO ABBREVIATIONS

SD Superficial Deposits
 SS Sherwood Sandstones
 CM Coal Measures
 TW Tube Well

N Namurian Millstone Grit
 ML Magnesian Limestone [Lower]
 MM Minor Aquifer e.g. Mercia Mudstones

LL Lincolnshire Limestone
 D Dinantian Carboniferous Limestone

GB Gauge Board

Table 29
Groundwater Observation Borehole Network - Trent Catchment

NAME OF BOREHOLE	REF NO.	GRID REF	AQUIFER	GROUNDWATER UNIT &	CODE	START OF RECORD	FREQUENCY	AREA
St Edwards	1407	SJ 9764 5362	SS	Leek	F.3.8	24/12/70	Monthly	UT
Bishops Offley	1030	SJ 7835 2990	SS	Bishops Wood	F.4.1	23/05/80	Monthly	UT
Croxton Bank	1056	SJ 7841 3265	SS	Bishops Wood	F.4.1	27/01/86	Monthly	UT
Croxton (Ecdeshall)	1023	SJ 7889 3180	SS	Bishops Wood	F.4.1	07/04/77	Monthly	UT
Fair Oak	1006	SJ 7649 3320	SS	Bishops Wood	F.4.1	13/10/66	Monthly	UT
Greatwood Farm	1033	SJ 7792 3120	SS	Bishops Wood	F.4.1	17/06/80	Monthly	UT
Shutt Lane	1059	SJ 7858 3300	SS	Bishops Wood	F.4.1	12/07/88	Monthly	UT
Windmill Lane	1060	SJ 7825 3191	SS	Bishops Wood	F.4.1	12/07/88	Monthly	UT
Shelton-U-Harley	1043	SJ 8222 3935	SS	Hatton	F.4.2	30/06/81	Monthly	UT
Stabhill	1029	SJ 8499 3672	SS	Hatton	F.4.2	19/02/79	Monthly	UT
Standon	1062	SJ 8208 3475	SS	Hatton	F.4.2	08/03/88	Monthly	UT
Upper Hatton Wood	1057	SJ 8317 3768	SS	Hatton	F.4.2	02/07/87	Monthly	UT
Wing House	1044	SJ 8611 3676	SS	Tittensor	F.4.3	30/06/81	Monthly	UT
Stone	1005	SJ 8973 3475	SS	Oulton	F.4.4	29/11/74	Monthly	UT
Brickhouse Farm	1031	SJ 9514 2467	SS	Hopton	F.4.6	17/06/80	Monthly	UT
Dry Pits	1051	SJ 9851 1879	SS	Rugeley	F.4.7	20/03/87	Monthly	UT
Sherbrooke Valley	1047	SJ 9882 1662	SS	Rugeley	F.4.7	20/01/83	Monthly	UT
Bednall Head	1008	SJ 9710 1753	SS	Teddesley	F.4.8	14/10/72	Monthly	UT
Brocton Nature Reserve BH	1045	SJ 9718 1912	SS	Teddesley	F.4.8	08/09/92	Monthly	UT
Brocton Quarry Pool	1046	SJ 9735 1918	SS	Teddesley	F.4.8	08/09/92	Monthly	UT
Buildings Farm	1026	SJ 9549 2010	SS	Teddesley	F.4.8	13/07/78	Monthly	UT
Teddesley Park	1024	SJ 9656 1632	SS	Teddesley	F.4.8	12/05/77	Monthly	UT
Woolgarston	1009	SJ 9363 1414	SS	Teddesley	F.4.8	26/11/73	Monthly	UT
Cat and Kittens	1050	SJ 9228 0500	SS	Coven	F.4.9	14/03/84	Monthly	UT
Codsall WRW	1025	SJ 8845 0358	SS	Coven	F.4.9	13/07/78	Monthly	UT
Coven Lane	1048	SJ 8986 0441	SS	Coven	F.4.9	31/10/83	Monthly	UT
Four Crosses	1007	SJ 9580 0970	SS	Coven	F.4.9	04/07/69	Monthly	UT
Hilton Colliery	1010	SJ 9414 0428	SS	Coven	F.4.9	29/01/73	Monthly	UT
Maple Hayes	1064	SK 0990 0972	SS	Lichfield	F.5.1	04/10/91	Monthly	UT
Pipe Green	1066	SK 1063 0962	SS	Lichfield	F.5.1	01/03/94	Monthly	UT
Whittington Heath	1223	SK 1550 0648	SS	Lichfield	F.5.1	20/05/81	Monthly	UT
Wiltell	1013	SK 1175 0901	SS	Lichfield	F.5.1	27/08/69	Monthly	UT
Footherley	1231	SK 1034 0292	SS	Shenstone	F.5.2	01/05/94	Monthly	UT
Nuttalls Farm	1203	SK 0665 0111	SS	Shenstone	F.5.2	20/08/75	Monthly	UT
Stubbers Green	1221	SK 0519 0747	SS	Shenstone	F.5.2	02/09/76	Monthly	UT
Weeford Flats (Deep)	1232	SK 1446 0464	SS	Shenstone	F.5.2	01/05/94	Monthly	UT
Weeford Flats (Shallow)	1200	SK 1437 0461	SS	Shenstone	F.5.2	11/11/76	Monthly	UT
Sutton Park	1222	SP 1024 9611	SS	Sutton	F.5.3	20/05/81	Monthly	UT
Aston Manor	1071	SP 0875 8898	SS	Birmingham	F.5.4	12/06/86	3 Monthly	UT
Auto Products	1070	SP 0849 9075	SS	Birmingham	F.5.4	03/12/85	3 Monthly	UT
Birmingham University	1229	SP 0470 8345	SS	Birmingham	F.5.4	01/05/94	Monthly	UT
Constitution Hill	1208	SP 0670 8759	SS	Birmingham	F.5.4	29/05/74	Monthly	UT
Dares Brewery	1215	SP 0758 8518	SS	Birmingham	F.5.4	03/11/71	Monthly	UT
Davenport's	1227	SP 0641 8614	SS	Birmingham	F.5.4	08/01/92	Monthly	UT
G.E.C.	1073	SP 0894 9034	SS	Birmingham	F.5.4		3 Monthly	UT
IMI (Kynock Press)	1069	SP 0795 9068	SS	Birmingham	F.5.4	18/03/86	3 Monthly	UT
Joseph Harris	1205	SP 0702 9131	SS	Birmingham	F.5.4	03/05/72	Monthly	UT
Nechells "A"	1207	SP 0974 8936	SS	Birmingham	F.5.4	29/07/70	Monthly	UT
Perry Barr	1206	SP 0609 9119	SS	Birmingham	F.5.4	20/12/72	Monthly	UT
Smith and Nephew	1233	SP 1082 8769	SS	Birmingham	F.5.4	01/06/94	Monthly	UT
Summerfield Park	1230	SP 0433 8740	SS	Birmingham	F.5.4	01/05/94	Monthly	UT
Tubes "B" (Rocky Lane)	1068	SP 0810 8893	SS	Birmingham	F.5.4	03/12/85	3 Monthly	UT
Upper Trinity	1214	SP 0834 8623	SS	Birmingham	F.5.4	07/07/71	Monthly	UT
Woore	0447	SJ 7313 4234	SS	Market Drayton	F.7.1	14/07/82	Monthly	UT
Gnosall	1067	SJ 8086 2053	SS	Aqualate	F.7.5	09/07/92	Monthly	UT
Clowes Wood	1065	SJ 7746 3882	SS	Wellings	F.7.8	10/04/91	Monthly	UT
Longbridge	1210	SP 0072 7751	SS	Longbridge	F.8.8	30/10/73	Monthly	UT
Croxton Park	1650	SK 8157 2619	LL	Waltham	G.9.2	25/01/73	Monthly	LT

AQUIFER: KEY TO ABBREVIATIONS

SD Superficial Deposits	N Namurian Millstone Grit	ML Lincolnshire Limestone
SS Sherwood Sandstones	ML Magnesian Limestone [Lower]	D Dinandian Carboniferous Limestone
CM Coal Measures	MM Minor Aquifer e.g. Mercia Mudstones	

Table 29
Groundwater Observation Borehole Network - Severn Catchment

NAME OF BOREHOLE	REF NO.	GRID REF	AQUIFER	GROUNDWATER UNIT & CODE	START OF RECORD	FREQUENCY	AREA
Sneads Green House	370	SO 8626 6787	MM	Minor Aquifer LS24-LS	16/11/78	Monthly	US
Stocks Farm	376	SO 7217 5115	DE	Minor Aquifer LS24-LS	22/05/80	Monthly	US
Asdey	2040	SJ 5342 1900	SD	Minor Aquifer 24-US	08/01/87	Bimonthly	US
Penhallow	551	SO 8468 6094	MM	Minor Aquifer 24-US	17/01/91	Monthly	US
The Lodge	529	SO 8707 6323	MM	Minor Aquifer 24-US	07/10/87	Monthly	US
Dodds Green Farm	511	SO 7710 8378	CM	Six Ashes D.8.1	12/04/84	Monthly	US
Fenn Green Farm	510	SO 7715 8325	CM	Six Ashes D.8.1	20/11/84	Monthly	US
Springfield	570	SO 9192 9939	CM	West Midlands D.8.5	25/05/93	Monthly	US
Cannop Cross	67	SO 6090 1165	CM	Forest of Dean D.9.2	13/02/79	Monthly	LS
Sallow Vallets	348	SO 6040 1350	CM	Forest of Dean D.9.2	06/08/79	Monthly	LS
Court House Green	0588	SP 3524 8106	PC	Coventry D.9.3	25/06/92	Monthly	LS
Courtaulds Foleshill Rd. No	0562	SP 3379 8079	PC	Coventry D.9.3	-	Monthly	LS
Courtaulds Foleshill Rd. No	0563	SP 3365 8085	PC	Coventry D.9.3	11/01/88	Monthly	LS
Courtaulds (Little Heath No	0512	SP 3489 8260	PC	Coventry D.9.3	21/06/84	Monthly	LS
Coventry Dairy	0520	SP 3492 8014	PC	Coventry D.9.3	10/02/87	Monthly	LS
Jaguar (Radford)	0513	SP 3328 8088	PC	Coventry D.9.3	21/06/84	Monthly	LS
Montgomery Platings	0519	SP 3405 7904	PC	Coventry D.9.3	09/03/87	Monthly	LS
Peugeot Cars (Little Stoke)	0523	SP 3512 7820	PC	Coventry D.9.3	24/11/89	Monthly	LS
Stoney Road	0522	SP 3332 7813	PC	Coventry D.9.3	10/12/88	Monthly	LS
Ashlands	0557	SP 2922 8300	PC	Meriden D.9.4	29/04/72	Monthly	LS
Church Lane	0078	SP 2968 8508	PC	Meriden D.9.4	28/04/72	Monthly	LS
Pickford Green	0565	SP 2772 8150	PC	Meriden D.9.4	07/10/91	Monthly	LS
Ram Hall	1219	SP 2467 7827	PC	Meriden D.9.4	09/05/73	Monthly	LS
Ivy Farm	0202	SP 3053 7672	PC	Kenilworth D.9.5	28/04/72	Monthly	LS
Oxley Gas Works	0294	SJ 9168 0054	SS	Coven F.4.9	25/09/73	Monthly	US
Shotatton (Deep)	0579	SJ 3658 2285	SS	Knockin F.6.2	05/01/94	Monthly	US
Broad oak	0050	SJ 4977 1752	SS	Merrington F.6.5	01/05/76	Monthly	US
Atcham	0012	SJ 5423 0919	SS	Longdon F.6.8	03/06/74	Monthly	US
Cox's Chemicals 1	SJ 61/1	SJ 4603 2341	SS	Longdon F.6.8	01/12/94	Monthly	US
Cox's Chemicals 2	SJ 61/2	SJ 6090 1082	SS	Longdon F.6.8	01/12/94	Monthly	US
Cox's Chemicals 3	SJ 61/3	SJ 6100 1051	SS	Longdon F.6.8	01/12/94	Monthly	US
Cox's Chemicals 4	SJ 61/4	SJ 6052 1083	SS	Longdon F.6.8	01/12/94	Monthly	US
Cox's Chemicals 5	SJ 61/5	SJ 6051 1084	SS	Longdon F.6.8	01/12/94	Monthly	US
Cox's Chemicals 6	SJ 51/1	SJ 5961 1065	SS	Longdon F.6.8	01/12/94	Monthly	US
Longdon On Tern	2058	SJ 6151 1597	SS	Longdon F.6.8	22/07/76	Monthly	US
Withington	0582	SJ 5805 1287	SS	Longdon F.6.8	05/01/94	Monthly	US
Cheswell	0495	SJ 7272 1706	SS	Adeney F.7.4	10/09/81	Monthly	US
Edmond Marsh	0496	SJ 7245 2002	SS	Adeney F.7.4	10/09/81	Monthly	US
Coley Farm	0556	SJ 7813 1942	SS	Aqualate F.7.5	16/12/92	Monthly	US
Burlington	0581	SJ 7790 1159	SS	Cosford F.7.6	05/01/94	Monthly	US
Cosford Bowling Green	0580	SJ 7976 0420	SS	Cosford F.7.6	05/01/94	Monthly	US
Lizard Wood No 1	0229	SJ 7800 0935	SS	Cosford F.7.6	27/01/78	Monthly	US
Lizard Wood No 2	0230	SJ 7800 0935	SS	Cosford F.7.6	27/01/78	Monthly	US
Shifnal (Upton Farm)	0360	SJ 7544 0668	SS	Cosford F.7.6	07/08/77	Monthly	US
Shifnal (Weston Heath BH)	0457	SJ 7728 1330	SS	Cosford F.7.6	26/06/81	Monthly	US
Shifnal (Weston Heath Well)	0458	SJ 7740 1344	SS	Cosford F.7.6	22/05/73	Monthly	US
Wrottesley	8003	SJ 8260 0095	SS	Cosford F.7.6	07/02/84	Monthly	US
Astol	0010	SJ 7365 0008	SS	Worfield F.7.7	17/08/77	Monthly	US
Blackbrook	0518	SO 8345 9715	SS	Worfield F.7.7	16/06/87	Monthly	US
Chesterton	0076	SO 7751 9738	SS	Worfield F.7.7	15/08/73	Monthly	US
Claverley (Well)	0081	SO 7732 9312	SS	Worfield F.7.7	15/08/73	Monthly	US
Cranmere Farm	0098	SO 7560 9760	SS	Worfield F.7.7	23/08/73	Monthly	US
Harrington BH	0158	SJ 7479 0158	SS	Worfield F.7.7	26/02/76	Monthly	US
Havenhills	0160	SJ 7365 0340	SS	Worfield F.7.7	12/02/77	Monthly	US
Kingswood School	0514	SJ 8358 0247	SS	Worfield F.7.7	22/08/86	Monthly	US
Lea Farm	0218	SJ 8070 0325	SS	Worfield F.7.7	06/03/77	Monthly	US
Nor Hill	0277	SO 8109 9978	SS	Worfield F.7.7	15/08/73	Monthly	US
Nurton Hill Farm	0284	SO 8318 9974	SS	Worfield F.7.7	15/08/73	Monthly	US
Patshull	0517	SJ 8135 0095	SS	Worfield F.7.7	16/06/87	Monthly	US
Stanmore BH (Lower)	0509	SO 7460 9320	SS	Worfield F.7.7	27/04/84	Monthly	US

AQUIFER: KEY TO ABBREVIATIONS

SS Sherwood Sandstones
 CM Coal Measures

PC Permo-Carboniferous
 DE Devonian

MM Minor Aquifer

Table 29
Groundwater Observation Borehole Network - Severn Catchment

NAME OF BOREHOLE	REF NO.	GRID REF	AQUIFER	GROUNDWATER UNIT & CODE	START OF RECORD	FREQUENCY	AREA
Stanmore BH (Upper)	0508	SO 7460 9320	SS	Worfield F.7.7	17/04/84	Monthly	US
Stanmore Cottage	0375	SO 7463 9230	SS	Worfield F.7.7	21/04/75	Monthly	US
Check Hill	0074	SO 8602 8820	SS	Wombourne F.8.1	07/10/78	Monthly	US
Furnace Grange	0138	SO 8449 9655	SS	Wombourne F.8.1	28/11/32	Monthly	US
Greensforge Farm	0145	SO 8600 8800	SS	Wombourne F.8.1	15/08/73	Monthly	US
Little Moor (Patttingham)	0224	SO 8311 9806	SS	Wombourne F.8.1	21/03/77	Monthly	US
Sandy Acre (Seisdon)	0353	SO 8430 9510	SS	Wombourne F.8.1	28/11/32	Monthly	US
Seisdon Tip No 1	0460	SO 8414 9532	SS	Wombourne F.8.1	06/07/82	Monthly	US
Shipley Common	0361	SO 8130 9592	SS	Wombourne F.8.1	04/11/73	Monthly	US
Heath Barn	0164	SO 8566 8212	SS	Stourbridge F.8.2	11/01/76	Monthly	US
Kings Lodge	0209	SO 8432 8541	SS	Stourbridge F.8.2	19/08/24	Monthly	US
Kinver Old Waterworks	0213	SO 8489 8331	SS	Stourbridge F.8.2	28/06/76	Monthly	US
Norton Obs BH No 14AO	0475	SO 8989 8223	SS	Stourbridge F.8.2	27/03/81	Monthly	US
Norton Obs BH No 14BO	0476	SO 8991 8223	SS	Stourbridge F.8.2	23/04/81	Monthly	US
Norton Obs BH No 4	0483	SO 8872 8189	SS	Stourbridge F.8.2	29/10/81	Monthly	US
Norton Obs BH No 5	0477	SO 8941 8182	SS	Stourbridge F.8.2	20/07/81	Monthly	US
Old Barn (A449T)	0287	SO 8173 8568	SS	Stourbridge F.8.2	19/12/78	Monthly	US
Prestwood Hospital	0325	SO 8664 8595	SS	Stourbridge F.8.2	10/09/23	Monthly	US
Roundhills BH 3	0573	SO 8690 8380	SS	Stourbridge F.8.2	07/08/92	Monthly	US
Roundhills WRW	0340	SO 8710 8390	SS	Stourbridge F.8.2	02/05/79	Monthly	US
Roundhills (Roadside)	0572	SO 8680 8371	SS	Stourbridge F.8.2	07/08/92	Monthly	US
Swinford Common	0389	SO 8980 8322	SS	Stourbridge F.8.2	29/09/77	Monthly	US
Turbine Cottage Whittington	0400	SO 8678 8192	SS	Stourbridge F.8.2	15/05/78	Monthly	US
Whittington O	0427	SO 8589 8261	SS	Stourbridge F.8.2	31/07/73	Monthly	US
Barnett Hill	0019	SO 8911 7728	SS	Kidderminster F.8.3	06/02/76	Monthly	US
Barrowhill	0022	SO 9090 7510	SS	Kidderminster F.8.3	19/05/76	Monthly	US
Beech Tree Lane (Obs BH)	0025	SO 8641 8062	SS	Kidderminster F.8.3	18/04/79	Monthly	US
Blakeways	0039	SO 8633 7343	SS	Kidderminster F.8.3	16/05/73	Monthly	US
Broome BH	0560	SO 9032 7844	SS	Kidderminster F.8.3	28/08/92	Monthly	US
Broome House	0054	SO 9023 7841	SS	Kidderminster F.8.3	16/11/73	Monthly	US
Clent	0082	SO 9357 7746	SS	Kidderminster F.8.3	06/03/80	Monthly	US
Five Ways	0130	SO 8702 8035	SS	Kidderminster F.8.3	17/11/76	Monthly	US
Hagley Treherms Farm	0151	SO 9075 8112	SS	Kidderminster F.8.3	15/05/73	Monthly	US
Harborough Hall Poolgb	0555	SO 8847 7875	SS	Kidderminster F.8.3	22/07/87	Monthly	US
Hillfields Farm	0175	SO 8168 7968	SS	Kidderminster F.8.3	25/04/73	Monthly	US
Hillpool	0176	SO 8954 7606	SS	Kidderminster F.8.3	04/02/66	Monthly	US
Iverley House Farm	0199	SO 8698 8145	SS	Kidderminster F.8.3	17/11/76	Monthly	US
Iverley Lane (Lower)	0493	SO 8840 8010	SS	Kidderminster F.8.3	12/04/81	Monthly	US
Iverley Lane (Upper)	0494	SO 8840 8010	SS	Kidderminster F.8.3	12/04/81	Monthly	US
Kingsford Farm	0210	SO 8213 8164	SS	Kidderminster F.8.3	08/12/74	Monthly	US
Lodge Farm House	0554	SO 8905 7355	SS	Kidderminster F.8.3	24/10/91	Monthly	US
Longmoor Farm	0237	SO 8843 7270	SS	Kidderminster F.8.3	31/10/73	Monthly	US
Norton Borehole Obs BH No 1	0282	SO 8939 8172	SS	Kidderminster F.8.3	23/04/74	Monthly	US
Norton C (Layby)	0491	SO 8994 8168	SS	Kidderminster F.8.3	12/02/81	Monthly	US
Norton D (Reservoir)	0489	SO 8979 8161	SS	Kidderminster F.8.3	12/02/81	Monthly	US
Norton E (Recharge Borehole)	0490	SO 8936 8173	SS	Kidderminster F.8.3	14/12/81	Monthly	US
Norton Obs BH No 11A (Top)	0480	SO 8933 8157	SS	Kidderminster F.8.3	13/07/81	Monthly	US
Norton Obs BH No 11B (Mid)	0481	SO 8933 8157	SS	Kidderminster F.8.3	13/07/81	Monthly	US
Norton Obs BH No 11C (Base)	0482	SO 8933 8157	SS	Kidderminster F.8.3	13/07/81	Monthly	US
Norton Obs BH No 13A	0472	SO 9041 8149	SS	Kidderminster F.8.3	28/01/81	Monthly	US
Norton Obs BH No 13B	0473	SO 9039 8149	SS	Kidderminster F.8.3	02/11/81	Monthly	US
Norton Obs BH No 13CO	0474	SO 9038 8149	SS	Kidderminster F.8.3	03/12/81	Monthly	US
Norton Obs BH No 17A	0469	SO 9003 8098	SS	Kidderminster F.8.3	14/01/81	Monthly	US
Norton Obs BH No 17B	0470	SO 9004 8098	SS	Kidderminster F.8.3	28/01/81	Monthly	US
Norton Obs BH No 17C	0471	SO 9003 8098	SS	Kidderminster F.8.3	14/01/81	Monthly	US
Norton Obs BH No 20	0478	SO 8995 8131	SS	Kidderminster F.8.3	08/06/81	Monthly	US
Norton Obs BH No 6	0479	SO 8917 8180	SS	Kidderminster F.8.3	25/08/81	Monthly	US
Pavilion No 2	0559	SO 8888 7865	SS	Kidderminster F.8.3	01/12/76	Monthly	US
Pavillion Poolgb	0571	SO 8878 7865	SS	Kidderminster F.8.3	07/08/92	Monthly	US
Pavillion	0306	SO 8888 7862	SS	Kidderminster F.8.3	01/12/76	Monthly	US
Redhall Farm	0333	SO 9065 7808	SS	Kidderminster F.8.3	16/07/62	Monthly	US

AQUIFER: KEY TO ABBREVIATIONS

SS Sherwood Sandstones
 CM Coal Measures

PC Permo-Carboniferous
 DE Devonian

MM Minor Aquifer

Table 29
Groundwater Observation Borehole Network - Severn Catchment

NAME OF BOREHOLE	REF NO.	GRID REF	AQUIFER	GROUNDWATER UNIT &	CODE	START OF RECORD	FREQUENCY	AREA
Windmill Pool (Palethorpes)	0298	SO 8940 7890	SS	Kidderminster	F.8.3	29/01/74	Monthly	US
Yieldingtree Cottages	0453	SO 8999 7761	SS	Kidderminster	F.8.3	16/11/73	Monthly	US
Yieldingtree Farm	0454	SO 8992 7732	SS	Kidderminster	F.8.3	03/02/64	Monthly	US
Blackstone	0578	SO 7928 7433	SS	Stourport	F.8.4	18/05/89	Monthly	US
Quayles Carpets	0329	SO 8240 7272	SS	Stourport	F.8.4	03/08/74	Monthly	US
The Woodlands (Hardebury)	0441	SO 8455 7100	SS	Stourport	F.8.4	17/01/73	Monthly	US
Wribbenhall	0526	SO 7955 7584	SS	Stourport	F.8.4	01/04/90	Monthly	US
Astley (Berrington Cottages)	0008	SO 7894 6775	SS	Astley	F.8.5	02/07/73	Monthly	US
Birkmyre Structons Heath	0034	SO 7735 6599	SS	Astley	F.8.5	02/07/73	Monthly	US
Little Widey	0227	SO 7837 6355	SS	Astley	F.8.5	02/07/73	Monthly	US
Rectory Lane Shrawley	0331	SO 7993 6550	SS	Astley	F.8.5	18/10/74	Monthly	US
Sankyn Green BH	0350	SO 7939 6468	SS	Astley	F.8.5	02/05/75	Monthly	US
Shrawley No 2	0364	SO 7991 6633	SS	Astley	F.8.5	09/04/74	Monthly	US
St Marys Church	0372	SO 8063 6476	SS	Astley	F.8.5	10/10/74	Monthly	US
The Courtlands	0095	SO 7942 6474	SS	Astley	F.8.5	10/01/74	Monthly	US
Upper Fudges	0404	SO 8000 6548	SS	Astley	F.8.5	10/10/74	Monthly	US
Yells Farm	0373	SO 7706 6684	SS	Astley	F.8.5	22/08/73	Monthly	US
Awford Lane	0456	SO 8457 6564	SS	Ombersley	F.8.6	03/04/81	Monthly	US
Bishops Wood Substation	0035	SO 8364 6835	SS	Ombersley	F.8.6	02/11/74	Monthly	US
Brook Farm	0544	SO 8192 6432	SS	Ombersley	F.8.6	30/05/90	Monthly	US
Brookhampton Cottage	0538	SO 8416 6647	SS	Ombersley	F.8.6	10/02/85	Monthly	US
Chadey	0073	SO 8515 6133	SS	Ombersley	F.8.6	02/06/73	Monthly	US
Cherrygarth	0537	SO 8442 6615	SS	Ombersley	F.8.6	10/01/85	Monthly	US
Cow Lane DT	0466	SO 8480 6600	SS	Ombersley	F.8.6	03/04/81	Monthly	US
Cow Lane (Deep)	0540	SO 8480 6600	SS	Ombersley	F.8.6	30/05/90	Monthly	US
Hardebury	0159	SO 8453 6952	SS	Ombersley	F.8.6	08/09/78	Monthly	US
Lineholt (1)	0574	SO 8264 6601	SS	Ombersley	F.8.6	07/01/92	Monthly	US
Lineholt (2)	0575	SO 8264 6601	SS	Ombersley	F.8.6	07/01/92	Monthly	US
Lower Acton Farm	0239	SO 8478 6750	SS	Ombersley	F.8.6	15/11/73	Monthly	US
Mayhouse Farm	0553	SO 8647 6286	SS	Ombersley	F.8.6	04/12/84	Monthly	US
Moat Farm	0533	SO 8470 6300	SS	Ombersley	F.8.6	30/09/84	Monthly	US
Northampton (Woodfield)	0279	SO 8367 6534	SS	Ombersley	F.8.6	14/08/73	Monthly	US
Ombersley No 1	0291	SO 8372 6291	SS	Ombersley	F.8.6	13/03/73	Monthly	US
Ombersley No 2	0485	SO 8388 6358	SS	Ombersley	F.8.6	22/07/81	Monthly	US
Ombersley Well	0292	SO 8381 6262	SS	Ombersley	F.8.6	21/11/73	Monthly	US
Owlhill	0541	SO 8390 6668	SS	Ombersley	F.8.6	10/02/85	Monthly	US
Pipstle Farm (Uphampton)	0317	SO 8355 6469	SS	Ombersley	F.8.6	15/11/73	Monthly	US
Rose Cottage	0532	SO 8502 6433	SS	Ombersley	F.8.6	07/10/87	Monthly	US
The Cross	0531	SO 8590 6380	SS	Ombersley	F.8.6	04/12/84	Monthly	US
The Nook	0536	SO 8443 6519	SS	Ombersley	F.8.6	30/10/85	Monthly	US
White Cottage	0539	SO 8553 6625	SS	Ombersley	F.8.6	10/02/85	Monthly	US
Winnall Lodge	0542	SO 8248 6698	SS	Ombersley	F.8.6	01/04/91	Monthly	US
Batfield Brook BH	0583	SO 9478 7056	SS	Bromsgrove	F.8.7	30/11/94	Monthly	US
Burcott Lane	0059	SO 9683 7161	SS	Bromsgrove	F.8.7	07/04/78	Monthly	US
Fairfield No 1	0124	SO 9551 7559	SS	Bromsgrove	F.8.7	17/01/73	Monthly	US
Fairfield No 2	0125	SO 9565 7567	SS	Bromsgrove	F.8.7	19/02/75	Monthly	US
New Rd. (Deep)	0577	SO 9629 7026	SS	Bromsgrove	F.8.7	22/10/93	Monthly	US
New Rd. (Shallow)	0576	SO 9630 7027	SS	Bromsgrove	F.8.7	22/10/93	Monthly	US
Sanders Park	0349	SO 9530 7080	SS	Bromsgrove	F.8.7	07/12/78	Monthly	US
Tardebige	0379	SO 9843 6950	SS	Bromsgrove	F.8.7	19/02/75	Monthly	US
Tickeridge Farm	0392	SO 9418 7073	SS	Bromsgrove	F.8.7	24/09/74	Monthly	US
Anthony's Cross	0004	SO 7219 2291	SS	Oxenhall	F.9.1	29/01/73	Monthly	LS
Beehive Cottage	0026	SO 7204 2504	SS	Oxenhall	F.9.1	29/01/73	Monthly	LS
Botdoes Farm	0043	SO 7215 2887	SS	Oxenhall	F.9.1	22/08/74	Monthly	LS
Brand Green	0047	SO 7405 2823	SS	Oxenhall	F.9.1	03/12/73	Monthly	LS
Compton House	0090	SO 7359 2866	SS	Oxenhall	F.9.1	16/08/76	Monthly	LS
Hayes Farm	0162	SO 7265 2913	SS	Oxenhall	F.9.1	19/02/73	Monthly	LS
Hilltop	0177	SO 7312 2636	SS	Oxenhall	F.9.1	05/07/73	Monthly	LS
Keeper Cottage	0204	SO 7438 2931	SS	Oxenhall	F.9.1	29/04/74	Monthly	LS
Lock Cottage	0232	SO 7132 2667	SS	Oxenhall	F.9.1	19/03/73	Monthly	LS
New Barns	0266	SO 7302 2796	SS	Oxenhall	F.9.1	25/06/73	Monthly	LS
Pella Farm	0307	SO 7030 2797	SS	Oxenhall	F.9.1	11/12/73	Monthly	LS

AQUIFER: KEY TO ABBREVIATIONS

SS Sherwood Sandstones
 CM Coal Measures

PC Permo-Carboniferous
 DE Devonian

GB Gauge Board
 MM Minor Aquifer

Table 29
Groundwater Observation Borehole Network - Severn Catchment

NAME OF BOREHOLE	REF NO.	GRID REF	AQUIFER	GROUNDWATER UNIT & CODE	START OF RECORD	FREQUENCY	AREA
Poolhill	0318	SO 7299 2936	SS	Oxenhall F.9.1	29/01/73	Monthly	LS
Redmarley Village	0334	SO 7518 3056	SS	Oxenhall F.9.1	29/01/73	Monthly	LS
Stores Cottage	0381	SO 7172 1977	SS	Oxenhall F.9.1	30/04/73	Monthly	LS
Summerville Cottage	0384	SO 7306 2933	SS	Oxenhall F.9.1	15/02/74	Monthly	LS
Waterdine	0411	SO 7079 2820	SS	Oxenhall F.9.1	22/10/73	Monthly	LS
Wyatts Cottage	0448	SO 7029 2524	SS	Oxenhall F.9.1	02/08/74	Monthly	LS
Donnington Hall	0108	SO 7161 3385	SS	Bromsbarrow F.9.2	29/10/73	Monthly	LS
Alcester Road	0524	SP 1940 5510	SS	Avon (Confined) F.9.4	01/11/89	Monthly	LS
Malvern Link Gas Works	0244	SO 7880 4910	SS	Avon (Confined) F.9.4	01/09/75	Monthly	US
Tiddington	0393	SP 2258 5592	SS	Avon (Confined) F.9.4	10/08/79	Monthly	LS
Easingthorpe Hall	0116	SO 7440 5720	SS	Martley F.9.5	06/04/80	Monthly	US
The Laurels	0217	SO 7560 6000	SS	Martley F.9.5	06/04/80	Monthly	US
Amberley	8027	SO 8510 0100	LST	Cotswolds G.9.1	14/06/94	Monthly	LS
Barton End	0596	ST 8512 9792	LST	Cotswolds G.9.1	22/11/95	Monthly	LS
Brimpsfield	0568	SO 9270 1212	LST	Cotswolds G.9.1	22/11/95	Monthly	LS
Campden Hill Farm	8032	SP 1493 3663	LST	Cotswolds G.9.1	20/09/94	Monthly	LS
Edge	8030	SO 8490 0970	LST	Cotswolds G.9.1	14/06/94	Monthly	LS
Edgeworth	0567	SO 9413 0600	LST	Cotswolds G.9.1	22/11/95	Monthly	LS
Holcombe Spring	0603	ST 8592 9928	LST	Cotswolds G.9.1	16/11/94	Monthly	LS
Holt Farm	8033	SP 1478 3541	LST	Cotswolds G.9.1	20/09/94	Monthly	LS
Kingscote	8025	ST 8110 9662	LST	Cotswolds G.9.1	04/02/94	Monthly	LS
Longridge	8029	SO 8790 0917	LST	Cotswolds G.9.1	09/08/94	Monthly	LS
Lynes Barn	8036	SP 0615 2778	LST	Cotswolds G.9.1	21/09/94	Monthly	LS
Minchinhampton	8028	ST 8893 9895	LST	Cotswolds G.9.1	21/06/94	Monthly	LS
Nympsfield	8026	SO 8045 0015	LST	Cotswolds G.9.1	04/02/94	Monthly	LS
Owlpen	0600	ST 8098 9785	LST	Cotswolds G.9.1	22/11/95	Monthly	LS
Russell Spring	0602	SP 1616 3458	LST	Cotswolds G.9.1	16/11/94	Monthly	LS
Ryton	0601	SO 7303 3213	LST	Cotswolds G.9.1	15/01/96	Monthly	LS

AQUIFER: KEY TO ABBREVIATIONS

SS Sherwood Sandstones
 CM Coal Measures

PC Permo-Carboniferous
 DE Devonian

LST Limestone
 MM Minor Aquifer

Table 30
Groundwater Observation Network - Severn Catchment
Shropshire Groundwater Scheme

NAME OF BOREHOLE	REF NO.	GRID REF	AQUIFER	GROUNDWATER UNIT & CODE	START OF RECORD	FREQUENCY	AREA
Adcote Mill TW (middle)	2064	SJ 4225 1973	SD	Superficial 15-US	16/09/75	Bimonthly	US
Adcote Pool GB	2008	SJ 4210 1850	SD	Superficial 15-US	08/10/79	Bimonthly	US
Adcote Pool TW 1	2009	SJ 4210 1850	SD	Superficial 15-US	08/10/79	Bimonthly	US
Adcote Pool TW 2	2010	SJ 4210 1850	SD	Superficial 15-US	08/01/79	Bimonthly	US
Adcote WRW TW	2254	SJ 4212 1987	SD	Superficial 15-US	04/11/86	Bimonthly	US
Alkmund Park Pool GB	2024	SJ 4782 1685	SD	Superficial 15-US	07/09/79	Bimonthly	US
Allford Brook Bridge GB	2228	SJ 6554 2237	SD	Superficial 15-US	03/04/85	Bimonthly	US
Avenue Farm Pool GB	2052	SJ 6311 2607	SD	Superficial 15-US	09/10/79	Bimonthly	US
Avenue Farm TW Deep	2152	SJ 6285 2602	SD	Superficial 15-US	05/10/83	Bimonthly	US
Avenue Farm TW Shallow	2153	SJ 6285 2601	SD	Superficial 15-US	05/10/83	Bimonthly	US
Avenue Farm TW1	2053	SJ 6311 2606	SD	Superficial 15-US	09/10/79	Bimonthly	US
Avenue Farm TW2	2054	SJ 6312 2609	SD	Superficial 15-US	09/01/79	Bimonthly	US
Bacon Hall Deep SM TW	2156	SJ 6528 2371	SD	Superficial 15-US	04/10/83	Bimonthly	US
Bacon Hall Shallow SM TW	2157	SJ 6528 2370	SD	Superficial 15-US	04/10/83	Bimonthly	US
Bank House Obs	2243	SJ 4223 1866	SD	Superficial 15-US	11/08/75	Bimonthly	US
Beam House TW	2274	SJ 4110 1826	SD	Superficial 15-US	09/03/88	Bimonthly	US
Beeches Farm TW	2216	SJ 6099 2451	SD	Superficial 15-US	06/11/84	Bimonthly	US
Besford Corner TW	2031	SJ 5533 2442	SD	Superficial 15-US	06/11/80	Bimonthly	US
Bolas House TW1	2170	SJ 6488 2190	SD	Superficial 15-US	08/02/84	Bimonthly	US
Bowling Green TW	0045	SJ 6293 2556	SD	Superficial 15-US	01/06/71	Bimonthly	US
Bradleys TW	2076	SJ 4258 2076	SD	Superficial 15-US	07/11/91	Bimonthly	US
Cottage Pool GB	2007	SJ 4193 1817	SD	Superficial 15-US	07/04/75	Bimonthly	US
Cottage Pool TW 1	2005	SJ 4193 1819	SD	Superficial 15-US	27/02/78	Bimonthly	US
Cottage Pool TW 2	2006	SJ 4176 1820	SD	Superficial 15-US	09/04/79	Bimonthly	US
Drakeley Heath TW1	2212	SJ 6189 2425	SD	Superficial 15-US	08/10/84	Bimonthly	US
Drakeley Heath TW3	2492	SJ 6195 2440	SD	Superficial 15-US	15/01/88	Bimonthly	US
Felton Butler SI TW	2253	SJ 3998 1722	SD	Superficial 15-US	03/10/86	Bimonthly	US
Felton Butler TW	2015	SJ 3934 1739	SD	Superficial 15-US	26/07/79	Bimonthly	US
Fenemere GB	2036	SJ 4480 2284	SS	Superficial 15-US	07/04/75	Bi-monthly	US
Fitz Mill TW	2273	SJ 4437 1804	SD	Superficial 15-US	14/01/88	Bimonthly	US
Folly Pool	2013	SJ 3888 1686	SD	Superficial 15-US	19/07/79	Bimonthly	US
Grafton Deep PZ	2241	SJ 4389 1849	SD	Superficial 15-US	25/02/76	Bimonthly	US
Grafton Lane TW	2285	SJ 4270 1882	SD	Superficial 15-US	04/03/88	Bimonthly	US
Grafton Shallow PZ	2003	SJ 4386 1849	SD	Superficial 15-US	25/02/76	Bimonthly	US
Greenfield Farm TW	2188	SJ 6147 2617	SD	Superficial 15-US	06/10/83	Bimonthly	US
Hatch Lane TW	2041	SJ 5335 1961	SD	Superficial 15-US	22/01/82	Bimonthly	US
Hatton Lane TW	2174	SJ 6315 2140	SD	Superficial 15-US	08/02/84	Bimonthly	US
Hawgreen Pool GB	2224	SJ 6207 2528	SD	Superficial 15-US	08/03/85	Bimonthly	US
Hawgreen TW3	2269	SJ 6189 2512	SD	Superficial 15-US	04/08/87	Bimonthly	US
Hazels TW	2192	SJ 5936 2341	SD	Superficial 15-US	08/11/83	Bimonthly	US
Heath House Farm SM TW	2218	SJ 5917 2446	SD	Superficial 15-US	06/11/84	Bimonthly	US
Heath House SM TW	2215	SJ 6030 2444	SD	Superficial 15-US	08/10/84	Bimonthly	US
Heathbrook East R16	2049	SJ 6334 2887	SD	Superficial 15-US	05/12/74	Bimonthly	US
Heathbrook East TW	2169	SJ 6322 2904	SD	Superficial 15-US	05/03/84	Bimonthly	US
Heathbrook No6	2048	SJ 6332 2886	SD	Superficial 15-US	22/08/78	Bimonthly	US
Heathbrook North	2489	SJ 6305 2884	SD	Superficial 15-US	04/03/87	Bimonthly	US
Heathbrook SM TW	2045	SJ 6300 2880	SD	Superficial 15-US	15/01/79	Bimonthly	US
Heathbrook South	2488	SJ 6305 2883	SD	Superficial 15-US	04/03/87	Bimonthly	US
Helshaw Riverside TW	2159	SJ 6310 2930	SD	Superficial 15-US	12/07/84	Bimonthly	US
Hill Brae TW	2191	SJ 6280 2218	SD	Superficial 15-US	05/10/83	Bimonthly	US
Hilly Farm TW	2267	SJ 3713 1729	SD	Superficial 15-US	05/02/87	Bimonthly	US
Hodnet Hall GB	2230	SJ 6145 2838	SD	Superficial 15-US	07/02/86	Bimonthly	US
Hodnet Heath Control TW	2073	SJ 6189 2660	SD	Superficial 15-US	24/11/72	Bimonthly	US
Hodnet Heath Deep Wet TW	2075	SJ 6193 2641	SD	Superficial 15-US	24/11/72	Bimonthly	US
Hodnet Heath West TW	2120	SJ 177 2614	SD	Superficial 15-US	30/06/77	Bimonthly	US
Hodnet Heath Wet TW	2074	SJ 6191 2640	SD	Superficial 15-US	12/06/73	Bimonthly	US
Howle Pool GB	0193	SJ 6929 2364	SD	Superficial 15-US	03/09/73	Bimonthly	US
Lin Can Moss Deep TW	2221	SJ 3742 2119	SD	Superficial 15-US	15/01/86	Bimonthly	US
Lin Can Moss Shallow TW	2222	SJ 3742 2118	SD	Superficial 15-US	15/01/86	Bimonthly	US
Little Coolmoor TW	2180	SJ 6013 2306	SD	Superficial 15-US	05/10/83	Bimonthly	US

KEY TO ABBREVIATIONS

SS Sherwood Sandstones
 GB Gauge Board

SD Superficial Deposits
 TW Tube Well

PZ Piezometer
 SM Soil Moisture Site

Abs Abstraction
 ALF Alleviation of low flows

Table 30
Groundwater Observation Network - Severn Catchment
Shropshire Groundwater Scheme

NAME OF BOREHOLE	REF NO.	GRID REF	AQUIFER	GROUNDWATER UNIT & CODE	START OF RECORD	FREQUENCY	AREA
Lower Frankton TW	2021	SJ 3661 3211	SD	Superficial 15-US	15/01/79	Bimonthly	US
Mannings Farm TW	2193	SJ 5877 2356	SD	Superficial 15-US	05/10/83	Bimonthly	US
Merrington Lane Abs TW	3020	SJ 4738 2146	SD	Superficial 15-US	21/03/96	Monthly	US
Mock Hall TW	2288	SJ 4386 1854	SD	Superficial 15-US	10/10/88	Bimonthly	US
Moston Pool GB	257	SJ 5669 2617	SD	Superficial 15-US	09/08/79	Bimonthly	US
Moston Pool TW 2	2029	SJ 5675 2618	SD	Superficial 15-US	31/07/79	Bimonthly	US
Mount Pleasant TW	2149	SJ 6245 2190	SD	Superficial 15-US	24/06/83	Bimonthly	US
Mytton Lane TW	2271	SJ 4491 1651	SD	Superficial 15-US	05/08/87	Bimonthly	US
Nesscliffe Army Camp TW	2257	SJ 3761 1808	SD	Superficial 15-US	16/10/86	Bimonthly	US
New House Farm TW1	2195	SJ 6195 2225	SD	Superficial 15-US	05/10/83	Bimonthly	US
Newton Abs Deep TW	3021	SJ 4863 1724	SD	Superficial 15-US	21/03/96	Monthly	US
Old River Bed TW1	3025	SJ 4938 1496	SD	Superficial 15-US	02/03/94	Monthly	US
Old River Bed TW2	3026	SJ 4959 1479	SD	Superficial 15-US	02/03/94	Monthly	US
Old River Bed TW3	3027	SJ 4966 1441	SD	Superficial 15-US	10/01/94	Monthly	US
Penwood Farm TW	2227	SJ 6291 2382	SD	Superficial 15-US	08/03/85	Bimonthly	US
Peplow Hall TW1	2140	SJ 6416 2489	SD	Superficial 15-US	06/06/83	Bimonthly	US
Peplow Hall TW2	2139	SJ 6372 2454	SD	Superficial 15-US	06/06/83	Bimonthly	US
Platt Brook At Ellerdine GB	2203	SJ 6203 2259	SD	Superficial 15-US	07/02/84	Bimonthly	US
Platt Brook Greenhurst Cott	2187	SJ 6106 2344	SD	Superficial 15-US	06/10/83	Bimonthly	US
Potford Brook at Hawgreen G	2225	SJ 6182 2514	SD	Superficial 15-US	08/03/85	Bimonthly	US
Potford Brook at Radmoor GB	2207	SJ 6233 2453	SD	Superficial 15-US	13/06/84	Bimonthly	US
Potford Brook at Sandyford	2486	SJ 6348 2219	SD	Superficial 15-US	30/08/85	Bimonthly	US
Potford Cottages TW	2136	SJ 6379 2222	SD	Superficial 15-US	08/03/83	Bimonthly	US
Radmoor Bridge SM TW	2213	SJ 6222 2458	SD	Superficial 15-US	09/10/84	Bimonthly	US
Radmoor Bridge TW	2217	SJ 6223 2437	SD	Superficial 15-US	09/10/84	Bimonthly	US
Rosehill Pool TW	2051	SJ 6580 3036	SD	Superficial 15-US	02/08/79	Bimonthly	US
Seedlands TW	2142	SJ 6174 2188	SD	Superficial 15-US	23/05/83	Bimonthly	US
Side Saddle Farm TW	2210	SJ 5938 2460	SD	Superficial 15-US	08/10/84	Bimonthly	US
Stoke Graveyard TW	2163	SJ 6407 2818	SD	Superficial 15-US	08/05/85	Bimonthly	US
Stoke Petsey TW	2189	SJ 6366 2785	SD	Superficial 15-US	06/02/84	Bimonthly	US
Tern at Bolas Bridge GB	2171	SJ 6466 2197	SD	Superficial 15-US	08/02/84	Bimonthly	US
Tern at Heathbrook GB	2196	SJ 6333 2886	SD	Superficial 15-US	05/10/83	Bimonthly	US
Tern at Peplow Lake GB	2131	SJ 6402 2480	SD	Superficial 15-US	12/01/83	Bimonthly	US
Tern at Stoke Bridge GB	2190	SJ 6367 2786	SD	Superficial 15-US	05/03/84	Bimonthly	US
The Rough TW	2240	SJ 4306 1854	SD	Superficial 15-US	11/02/87	Bimonthly	US
Tunstall Farm PZ Shallow	2085	SJ 6346 2642	SD	Superficial 15-US	09/05/73	Bimonthly	US
Tunstall Farm PZ TW1	2143	SJ 6359 2647	SD	Superficial 15-US	06/06/83	Bimonthly	US
Tunstall Farm PZ TW2	2147	SJ 6377 2673	SD	Superficial 15-US	06/06/83	Bimonthly	US
Tunstall Farm PZ TW3	2155	SJ 6386 2642	SD	Superficial 15-US	05/10/83	Bimonthly	US
Walford TW	2001	SJ 4325 2055	SD	Superficial 15-US	24/09/87	Bimonthly	US
Whitemere GB	426	SJ 4130 3320	SD	Superficial 15-US	05/09/80	Bimonthly	US
Wood Cottages TW	2255	SJ 4535 1843	SD	Superficial 15-US	14/10/86	Bimonthly	US
Wood Farm GB	2229	SJ 6225 2374	SD	Superficial 15-US	12/06/85	Bimonthly	US
Woodhouse Estate GB	3010	SJ 3642 2906	SD	Superficial 15-US	05/04/93	Bimonthly	US
Woodhouse Farm TW	2164	SJ 6419 2660	SD	Superficial 15-US	05/10/83	Bimonthly	US
Woodmill Farm TW	2055	SJ 6293 2287	SD	Superficial 15-US	12/10/72	Bimonthly	US
Yeaton TW	2002	SJ 4347 1924	SD	Superficial 15-US	26/09/75	Bimonthly	US
Astley	2040	SJ 5342 1900	SD	Minor Aquifer 24-US	08/01/87	Bimonthly	US
Fitz Manor Well	2235	SJ 4479 1798	SD	Minor Aquifer 24-US	14/10/86	Bimonthly	US
Laundry Cottage	2246	SJ 3952 1836	SD	Minor Aquifer 24-US	03/06/76	Bimonthly	US
Lower Frankton 31m	2020	SJ 3670 3120	SD	Minor Aquifer 24-US	15/01/79	Bimonthly	US
New House	0270	SJ 5858 2337	SD	Minor Aquifer 24-US	15/05/71	Bimonthly	US
Tetchill PS	2023	SJ 3884 3255	SD	Minor Aquifer 24-US	21/05/74	Bimonthly	US
The Lyth	0241	SJ 4115 3360	SD	Minor Aquifer 24-US	09/07/80	Bimonthly	US
Woebly Obs Deep	2198	SJ 6223 2668	SD	Minor Aquifer 24-US	06/10/83	Bimonthly	US
Woebly Obs Shallow	2199	SJ 6223 2669	SD	Minor Aquifer 24-US	06/10/83	Bimonthly	US
Hordley Wharf	0191	SJ 3810 3118	SS	Whittington F.6.1	11/08/75	Monthly	US
Kinsall Obs	2017	SJ 3506 3248	SS	Whittington F.6.1	06/12/79	Monthly	US
Lower Frankton Abs	2019	SJ 3670 3120	SS	Whittington F.6.1	15/01/79	Monthly	US

KEY TO ABBREVIATIONS

SS Sherwood Sandstones
 GB Gauge Board

SD Superficial Deposits
 TW Tube Well

PZ Piezometer
 SM Soil Moisture Site

Abs Abstraction
 ALF Alleviation of low flows

Table 30
Groundwater Observation Network - Severn Catchment
Shropshire Groundwater Scheme

NAME OF BOREHOLE	REF NO.	GRID REF	AQUIFER	GROUNDWATER UNIT & CODE	START OF RECORD	FREQUENCY	AREA
Paddock Bridge	0296	SJ 3389 3290	SS	Whittington F.6.1	08/06/75	Monthly	US
Perry Farm	0315	SJ 3648 3036	SS	Whittington F.6.1	03/10/75	Monthly	US
Fox Hall Obs	2011	SJ 3220 2570	SS	Knockin F.6.2	14/03/79	Monthly	US
Shotatton Well (old)	0362	SJ 3660 2280	SS	Knockin F.6.2	20/12/74	Monthly	US
Weirbrook	0414	SJ 3505 2430	SS	Knockin F.6.2	19/01/78	Monthly	US
Wilcott Marsh Obs	0430	SJ 3750 1755	SS	Knockin F.6.2	10/07/86	Monthly	US
Wilcott MOD	0429	SJ 3777 1882	SS	Knockin F.6.2	16/04/77	Monthly	US
Bicton House	6672	SJ 4430 1470	SS	Alberbury F.6.3	07/06/86	Monthly	US
Churncote	6675	SJ 4420 1352	SS	Alberbury F.6.3	06/06/86	Monthly	US
Little Shrawardine	6679	SJ 3931 1499	SS	Alberbury F.6.3	03/07/90	Monthly	US
SIML Holdings	6680	SJ 4080 1380	SS	Alberbury F.6.3	12/06/90	Bimonthly	US
Adcote Obs	0001	SJ 4212 1987	SS	Ensdon F.6.4	12/02/75	Monthly	US
Bank House Abs	2280	SJ 4275 1882	SS	Ensdon F.6.4	07/03/75	Bimonthly	US
Ensdon Abs	2282	SJ 4092 1731	SS	Ensdon F.6.4	07/02/89	Bimonthly	US
Ensdon House SI	2256	SJ 4165 1707	SS	Ensdon F.6.4	14/10/86	Bimonthly	US
Felton Buter SI	2249	SJ 3994 1725	SS	Ensdon F.6.4	21/06/82	Bimonthly	US
Folly Farm	2248	SJ 3896 1704	SS	Ensdon F.6.4	02/03/87	Bimonthly	US
Forton Abs	2276	SJ 4313 1619	SS	Ensdon F.6.4	19/08/88	Bimonthly	US
Forton Farm	2233	SJ 4297 1606	SS	Ensdon F.6.4	27/11/87	Bimonthly	US
Forton Heath Abs	2279	SJ 4345 1772	SS	Ensdon F.6.4	16/05/89	Bimonthly	US
Frankbrook Abs	2261	SJ 4316 1989	SS	Ensdon F.6.4	20/09/75	Bimonthly	US
Frankbrook Obs	0136	SJ 4310 1980	SS	Ensdon F.6.4	23/07/75	Bimonthly	US
Grafton Abs	2291	SJ 4391 1847	SD/SS	Ensdon F.6.4	07/11/91	Bimonthly	US
Grafton Obs	0141	SJ 4380 1849	SS	Ensdon F.6.4	16/09/75	Bimonthly	US
Knolls Abs 1	2277	SJ 4226 1745	SS	Ensdon F.6.4	06/10/88	Bimonthly	US
Knolls Abs 2	2278	SJ 4231 1751	SS	Ensdon F.6.4	13/09/91	Bimonthly	US
Little Ensdon Obs	2245	SJ 4144 1778	SS	Ensdon F.6.4	03/02/81	Bimonthly	US
Little Ness Obs	0225	SJ 4155 2018	SS	Ensdon F.6.4	07/04/75	Bimonthly	US
Mytton Obs	2234	SJ 4385 1704	SS	Ensdon F.6.4	27/11/87	Monthly	US
Nib Heath Abs	2275	SJ 4203 1819	SS	Ensdon F.6.4	14/07/88	Bimonthly	US
Nib Heath Pilot	2242	SJ 4205 1820	SS	Ensdon F.6.4	02/07/87	Bimonthly	US
Prescott Grange obs	2238	SJ 4261 2069	SS	Ensdon F.6.4	13/07/87	Monthly	US
Rodefern Abs	2281	SJ 4046 1820	SS	Ensdon F.6.4	20/06/91	Bimonthly	US
The Knolls	0214	SJ 4227 1733	SS	Ensdon F.6.4	27/09/77	Monthly	US
Walford Obs (new)	2237	SJ 4325 2055	SS	Ensdon F.6.4	24/09/75	Bimonthly	US
Yeaton Manor Farm	2239	SJ 4338 1947	SS	Ensdon F.6.4	12/02/87	Bimonthly	US
Albrighton Abs	3016	SJ 4986 1851	SS	Merrington F.6.5	14/07/94	Monthly	US
Brickyard Farm	2236	SJ 4480 2155	SS	Merrington F.6.5	14/10/86	Bimonthly	US
Broomhall Lane	3000	SJ 4855 1896	SS	Merrington F.6.5	13/02/92	Monthly	US
Cross Green	3002	SJ 4785 1647	SS	Merrington F.6.5	25/03/92	Monthly	US
Crosshill	3005	SJ 4938 1534	SS	Merrington F.6.5	29/01/92	Monthly	US
Dunnsheath	3001	SJ 4731 1796	SS	Merrington F.6.5	09/03/92	Monthly	US
Great Wollascott Abs	3019	SJ 4776 1821	SS	Merrington F.6.5	10/12/94	Monthly	US
Hadnall Wood	0149	SJ 5144 1946	SS	Merrington F.6.5	05/01/76	Monthly	US
Hardwicke TW	2027	SJ 5245 2159	SS	Merrington F.6.5	22/01/82	Bimonthly	US
Harmer Hill PS	0157	SJ 4900 2231	SS	Merrington F.6.5	15/01/92	Monthly	US
Merrington Lane Abs	3013	SJ 4739 2148	SS	Merrington F.6.5	14/07/94	Monthly	US
Myddlewood	0263	SJ 4603 2341	SS	Merrington F.6.5	05/01/76	Monthly	US
Newton Abs	3017	SJ 4861 1724	SS	Merrington F.6.5	14/07/94	Monthly	US
Newton Obs	0273	SJ 4842 1736	SS	Merrington F.6.5	05/01/76	Monthly	US
Old River Bed Obs	3024	SJ 4939 1493	SS	Merrington F.6.5	10/01/94	Monthly	US
Pim Hill Abs	3012	SJ 4865 2029	SS	Merrington F.6.5	14/07/94	Monthly	US
Plex Abs	3015	SJ 5076 1932	SS	Merrington F.6.5	14/07/94	Monthly	US
Plex Obs	3004	SJ 5035 2021	SS	Merrington F.6.5	12/03/92	Monthly	US
Preston Gubbals Abs	3018	SJ 4913 1917	SS	Merrington F.6.5	19/11/94	Monthly	US
Sansaw Heath	0352	SJ 5100 2200	SS	Merrington F.6.5	25/05/77	Monthly	US
Shawell Cottage Abs	3014	SJ 4934 2026	SS	Merrington F.6.5	14/07/94	Monthly	US
Smethcote Abs	3011	SJ 4991 2132	SS	Merrington F.6.5	14/07/94	Monthly	US

KEY TO ABBREVIATIONS

SS Sherwood Sandstones
 GB Gauge Board

SD Superficial Deposits
 TW Tube Well

PZ Piezometer
 SM Soil Moisture Site

Abs Abstraction
 ALF Alleviation of low flows

Table 30
Groundwater Observation Network - Severn Catchment
Shropshire Groundwater Scheme

NAME OF BOREHOLE	REF NO.	GRID REF	AQUIFER	GROUNDWATER UNIT	CODE	START OF RECORD	FREQUENCY	AREA
Witterage Green	0435	SJ 4887 2474	SS	Merrington	F.6.5	21/05/74	Monthly	US
Yorton Heath	3003	SJ 5059 2230	SS	Merrington	F.6.5	20/02/92	Monthly	US
Bank Farm New	2502	SJ 5915 2853	SS	Stanton	F.6.6	12/06/92	Bimonthly	US
Bank Farm Old	2501	SJ 5912 2852	SS	Stanton	F.6.6	16/10/89	Bimonthly	US
Daneswell Farm	2089	SJ 5882 2756	SS	Stanton	F.6.6	01/06/72	Monthly	US
Harcourt Mill	2035	SJ 5594 2462	SS	Stanton	F.6.6	08/01/87	Bimonthly	US
Lee Brockhurst School	2481	SJ 5503 2608	SS	Stanton	F.6.6	05/08/85	Monthly	US
Little Wytheford	0228	SJ 5600 2030	SS	Stanton	F.6.6		Monthly	US
Moston Park Farm	2490	SJ 5555 2732	SS	Stanton	F.6.6	10/12/84	Monthly	US
Moston Pool TW 1	2028	SJ 5669 2619	SD/SS	Stanton	F.6.6	25/07/79	Bimonthly	US
Quarry Farm BH	2446	SJ 5808 2657	SS	Stanton	F.6.6	19/01/78	Bimonthly	US
Quarry Farm Well	0328	SJ 5808 2657	SS	Stanton	F.6.6	15/06/71	Bimonthly	US
The Citadel	2129	SJ 5715 2836	SS	Stanton	F.6.6	03/04/79	Bimonthly	US
Avenue Small Farm TW	2146	SJ 6245 2553	SD/SS	Radmoor	F.6.7	06/06/83	Bimonthly	US
Cotton Farm TW	2144	SJ 6314 2785	SD/SS	Radmoor	F.6.7	06/06/83	Bimonthly	US
Drakeley Heath Obs	0110	SJ 6161 2423	SS	Radmoor	F.6.7	15/11/72	Bimonthly	US
Ellerdine Heath Abs	2148	SJ 6192 2202	SS	Radmoor	F.6.7	04/08/83	Bimonthly	US
Espley Obs	2042	SJ 6080 2724	SS	Radmoor	F.6.7	05/11/72	Bimonthly	US
Green Lane Abs	2154	SJ 6050 2553	SS	Radmoor	F.6.7	05/09/83	Bimonthly	US
Green Lane Farm	2103	SJ 6068 2574	SS	Radmoor	F.6.7	29/09/73	Bimonthly	US
Greenfield 10m	0144	SJ 6138 2608	SS	Radmoor	F.6.7	24/11/72	Bimonthly	US
Greenfield Abs	2313	SJ 6138 2609	SS	Radmoor	F.6.7	08/01/93	Bimonthly	US
GreenHurst Cottages TW1	2186	SJ 6106 2352	SD/SS	Radmoor	F.6.7	06/10/83	Bimonthly	US
GreenHurst Cottages TW2	2185	SJ 6104 2362	SD/SS	Radmoor	F.6.7	06/10/83	Bimonthly	US
Greenhurst Obs	2128	SJ 6104 2362	SS	Radmoor	F.6.7	17/01/83	Bimonthly	US
Hawgreen Farm Obs	2113	SJ 6202 2540	SS	Radmoor	F.6.7	16/10/73	Bimonthly	US
Hawgreen Obs	2086	SJ 6150 2560	SS	Radmoor	F.6.7	06/08/82	Monthly	US
Heath House 20m	0166	SJ 6033 2459	SS	Radmoor	F.6.7	16/01/79	Bimonthly	US
Heath House Abs	2365	SJ 6028 2459	SS	Radmoor	F.6.7	19/08/85	Bimonthly	US
Heath Lanes Obs	0169	SJ 6195 2105	SS	Radmoor	F.6.7	01/06/71	Monthly	US
Heathbrook Farm TW	2145	SJ 6273 2879	SD/SS	Radmoor	F.6.7	13/05/83	Bimonthly	US
Heathbrook No1	2046	SJ 6305 2888	SD/SS	Radmoor	F.6.7	05/12/74	Bimonthly	US
Heathbrook West	2047	SJ 6332 2886	SD/SS	Radmoor	F.6.7	19/12/74	Bimonthly	US
Hill Brae Pets Home BH	2402	SJ 6274 2198	SS	Radmoor	F.6.7	20/03/84	Bimonthly	US
Hine Heath Obs	2252	SJ 5890 2576	SS	Radmoor	F.6.7	03/02/87	Bimonthly	US
Hodnet 100m	0182	SJ 6211 2801	SS	Radmoor	F.6.7	18/01/79	Bimonthly	US
Hodnet Abs	2478	SJ 6213 2791	SS	Radmoor	F.6.7	09/01/84	Bimonthly	US
Hodnet Hall 40m	2112	SJ 6098 2813	SS	Radmoor	F.6.7	13/11/82	Bimonthly	US
Hodnet Hall 70m	2111	SJ 6098 2813	SS	Radmoor	F.6.7	13/11/82	Bimonthly	US
Hodnet PS 2	2306	SJ 6045 2870	SS	Radmoor	F.6.7	01/07/70	Bimonthly	US
Hopton Abs	2447	SJ 5932 2662	SS	Radmoor	F.6.7	09/01/84	Bimonthly	US
Hopton Corner 25m	2090	SJ 6008 2690	SS	Radmoor	F.6.7	17/06/82	Bimonthly	US
Hopton Corner 60m	2091	SJ 6008 2690	SS	Radmoor	F.6.7	17/06/82	Bimonthly	US
Hopton Corner 85m	2092	SJ 6008 2690	SS	Radmoor	F.6.7	17/06/82	Bimonthly	US
Hopton Pilot	2094	SJ 5933 2664	SS	Radmoor	F.6.7	13/07/82	Bimonthly	US
Hopton Villa	2487	SJ 5953 2681	SS	Radmoor	F.6.7	02/09/85	Bimonthly	US
Lodge Bank Pilot	2093	SJ 5966 2587	SS	Radmoor	F.6.7	13/12/82	Bimonthly	US
Lodge Bank Abs 1	2454	SJ 5965 2585	SS	Radmoor	F.6.7	09/01/84	Bimonthly	US
Lodge Bank Abs 2	2455	SJ 5971 2584	SS	Radmoor	F.6.7	09/01/84	Bimonthly	US
New House Farm TW2	2151	SJ 6233 2229	SD/SS	Radmoor	F.6.7	05/10/83	Bimonthly	US
Oak Coppice TW	2138	SJ 6360 2548	SD/SS	Radmoor	F.6.7	09/05/83	Bimonthly	US
Peplow Mill	2098	SJ 6426 2422	SS	Radmoor	F.6.7	19/07/72	Bimonthly	US
Radmoor	0330	SJ 6257 2467	SS	Radmoor	F.6.7	21/11/72	Bimonthly	US
Rowton	2062	SJ 6095 1945	SS	Radmoor	F.6.7	05/05/73	Bimonthly	US
Shukers Lane TW	2137	SJ 6340 2452	SD/SS	Radmoor	F.6.7	06/06/83	Bimonthly	US
Side Saddle Lake Obs	2077	SJ 5886 2442	SS	Radmoor	F.6.7	06/04/82	Bimonthly	US
Small Heath Obs	2083	SJ 6186 2694	SS	Radmoor	F.6.7	26/07/82	Bimonthly	US
Stoke Bridge Obs SM	2087	SJ 6334 2782	SD/SS	Radmoor	F.6.7	27/07/82	Monthly	US
Stone House Obs	2082	SJ 5962 2301	SS	Radmoor	F.6.7	28/07/82	Monthly	US

KEY TO ABBREVIATIONS

SS Sherwood Sandstones
 GB Gauge Board

SD Superficial Deposits
 TW Tube Well

PZ Piezometer
 SM Soil Moisture Site

Abs Abstraction
 ALF Alleviation of low flows

Table 30
Groundwater Observation Network - Severn Catchment
Shropshire Groundwater Scheme

NAME OF BOREHOLE	REF NO.	GRID REF	AQUIFER	GROUNDWATER UNIT & CODE	START OF RECORD	FREQUENCY	AREA
Tunstall Farm PZ Deep	2084	SJ 6346 2642	SS	Radmoor F.6.7	30/03/73	Bimonthly	US
Twinney Lane Obs	2081	SJ 6188 2056	SS	Radmoor F.6.7	20/07/82	Bimonthly	US
Weir Farm Obs	2080	SJ 6315 2075	SS	Radmoor F.6.7	01/12/82	Bimonthly	US
Weobly Obs	0415	SJ 6237 2611	SS	Radmoor F.6.7	02/10/72	Bimonthly	US
Whitegates	2079	SJ 6342 2258	SS	Radmoor F.6.7	19/10/72	Bimonthly	US
Windy Oak SM TW	2179	SJ 6072 2304	SD/SS	Radmoor F.6.7	04/10/83	Bimonthly	US
Windy Oak TW1	2178	SJ 6095 2315	SD/SS	Radmoor F.6.7	05/10/83	Bimonthly	US
Windy Oak TW2	2177	SJ 6106 2299	SD/SS	Radmoor F.6.7	05/10/83	Bimonthly	US
Windy Oak TW3	2176	SJ 6103 2267	SD/SS	Radmoor F.6.7	05/10/83	Bimonthly	US
Windy Oak TW4	2175	SJ 6099 2239	SD/SS	Radmoor F.6.7	05/10/83	Bimonthly	US
Wollerton Obs	2088	SJ 6224 2979	SS	Radmoor F.6.7	11/06/82	Bimonthly	US
Woodmill Farm 20m	0445	SJ 6268 2321	SS	Radmoor F.6.7	15/03/73	Bimonthly	US
Longdon On Tern	2058	SJ 6151 1597	SS	Longdon F.6.8	22/07/76	Monthly	US
Almington	0488	SJ 7017 3473	SS	Market Drayton F.7.1	17/03/81	Monthly	US
Blore Heath	0561	SJ 7121 3540	SS	Market Drayton F.7.1	02/06/93	Monthly	US
Fouralls	0134	SJ 6792 3217	SS	Market Drayton F.7.1	09/06/71	Monthly	US
Heathcote	0168	SJ 6537 2834	SS	Wistanswick F.7.2	28/09/72	Monthly	US
Helshaw Grange 100m	0170	SJ 6336 2913	SS	Wistanswick F.7.2	01/12/72	Bimonthly	US
Helshaw Grange Abs	2302	SJ 6344 2919	SS	Wistanswick F.7.2	25/09/73	Bimonthly	US
Hinstock PS	2130	SJ 6868 2714	SS	Wistanswick F.7.2	14/02/78	Monthly	US
Longford PS	2135	SJ 6560 2980	SS	Wistanswick F.7.2	05/10/83	Bimonthly	US
Mayfields	0247	SJ 6445 2886	SS	Wistanswick F.7.2	20/10/72	Monthly	US
Stoke 20m	2096	SJ 6475 2831	SS	Wistanswick F.7.2	12/01/73	Bimonthly	US
Stoke abs SM	2141	SJ 6474 2829	SD	Wistanswick F.7.2	09/05/83	Monthly	US
Stoke Brook TW	2162	SJ 6463 2840	SD/SS	Wistanswick F.7.2	09/11/83	Bimonthly	US
Stoke Manor	2121	SJ 6453 2787	SS	Wistanswick F.7.2	01/08/71	Monthly	US
Sutton Heath Farm	2122	SJ 6675 3004	SS	Wistanswick F.7.2	20/08/73	Bimonthly	US
Warren Farm	0410	SJ 6527 3123	SS	Wistanswick F.7.2	22/01/75	Monthly	US
Wistanswick	0434	SJ 6666 2896	SD/SS	Wistanswick F.7.2	15/06/71	Monthly	US
Allford Brook Obs	2097	SJ 6552 2238	SS	Sambrook West F.7.3	16/03/73	Bimonthly	US
Blakeley	0037	SJ 6522 2418	SS	Sambrook West F.7.3	12/12/77	Monthly	US
Cherrington	0075	SJ 6669 1974	SS	Sambrook West F.7.3	16/07/71	Monthly	US
Childs Ercall PS	2061	SJ 6685 2519	SS	Sambrook East F.7.3	16/01/79	Monthly	US
Childs Ercall 20m	0077	SJ 6652 2336	SS	Sambrook West F.7.3	28/12/72	Bimonthly	US
Howle No4	2060	SJ 6899 2339	SS	Sambrook East F.7.3	28/06/72	Bimonthly	US
Ollerton	0290	SJ 6510 2521	SS	Sambrook West F.7.3	30/03/72	Bimonthly	US
Waters Upton	0412	SJ 6311 1930	SS	Sambrook West F.7.3	22/07/76	Monthly	US
Woodlands Farm Obs	2107	SJ 6864 2364	SS	Sambrook East F.7.3	09/02/83	Monthly	US
Argoed TW 1	6685	SJ 3529 2048	SS	Knockin F.6.2	04/10/82	Monthly	US
Argoed TW 2	6686	SJ 3309 2041	SS	Knockin F.6.2	04/10/82	Monthly	US
Berwick Terrace	6678	SJ 4742 1383	SS	Knockin F.6.2	02/05/84	Monthly	US
Knockin Farm	6687	SJ 3407 2204	SS	Knockin F.6.2	04/08/82	Monthly	US
Oaklands	6683	SJ 3108 1956	SS	Knockin F.6.2	07/06/82	Monthly	US
Pentreperfa	6682	SJ 3045 2027	SS	Knockin F.6.2	08/11/92	Monthly	US
Shelton Deep PZ	2119	SJ 4678 1370	SS	Knockin F.6.2	01/03/83	Monthly	US
Shelton Intake	6669	SJ 4678 1374	SS	Knockin F.6.2	07/06/84	Monthly	US
Shelton No. 1	2116	SJ 4652 1353	SS	Knockin F.6.2	16/07/82	Monthly	US
Shelton No. 2	2117	SJ 4668 1370	SS	Knockin F.6.2	01/03/83	Monthly	US
Shelton No. 4	6667	SJ 4620 1358	SS	Knockin F.6.2	07/06/84	Monthly	US
Shelton No. 5	6668	SJ 4680 1385	SS	Knockin F.6.2	07/06/84	Monthly	US
Shelton No. 6	6674	SJ 4650 1329	SS	Knockin F.6.2	09/04/86	Monthly	US
Shelton Shallow PZ	2118	SJ 4679 1371	SS	Knockin F.6.2	01/03/83	Monthly	US
Udlington Farm	6670	SJ 4610 1403	SS	Knockin F.6.2	07/06/84	Monthly	US
Waen House	6681	SJ 3222 2225	SS	Knockin F.6.2	07/03/83	Monthly	US
Colemere GB	0087	SJ 4290 3330	SD	Knockin F.6.2	09/07/80	Bimonthly	US
Crofts mill TW	8028	SJ 3057 2498	SD	Knockin F.6.2	17/07/92	Bi-monthly	US
Hill Cottage	2247	SJ 3888 1923	SS	Knockin F.6.2	11/07/78	Bi-monthly	US
Kettlemere GB	0208	SJ 4180 3410	SD	Knockin F.6.2	09/07/80	Bi-monthly	US
Morton Park BH	8027	SJ 3024 2411	SS	Knockin F.6.2	17/07/92	Bi-monthly	US

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SS Sherwood Sandstones
 GB Gauge Board

SD Superficial Deposits
 TW Tube Well

PZ Piezometer
 SM Soil Moisture Site

Abs Abstraction
 ALF Alleviation of low flows

Table 30
Groundwater Observation Network - Severn Catchment
Shropshire Groundwater Scheme

NAME OF BOREHOLE	REF NO.	GRID REF	AQUIFER	GROUNDWATER UNIT & CODE	START OF RECORD	FREQUENCY	AREA
Morton Park GB	8026	SJ 3013 2402	SD	Knockin F.6.2	17/07/92	Bi-monthly	US
Morton Park TW	8025	SJ 3016 2412	SD	Knockin F.6.2	17/07/92	Bi-monthly	US
Adcote T/W SM	2287	SJ 4256 1940	SD	Alberbury F.6.3	11/04/88	Monthly	US
Bowling green SM	2200	SJ 6250 2550	SD	Alberbury F.6.3	12/11/83	Monthly	US
Rossall	6677	SJ 4618 1553	SS	Alberbury F.6.3	14/03/91	Monthly	US
Ensdon	2250	SJ 4093 1642	SS	Ensdon F.6.4	03/09/88	Monthly	US
Fenemere	0128	SJ 4432 2230	SS	Merrington F.6.5	02/12/75	Monthly	US
Walford Heath	0408	SJ 4492 1997	SS	Merrington F.6.5	10/11/75	Monthly	US
Harcourt	2270	SJ 5569 2583	SS	Stanton F.6.6	08/11/87	Monthly	US
Hermitage	2078	SJ 5776 2655	SS	Stanton F.6.6	27/04/82	Monthly	US
New House Farm	2475	SJ 5885 2588	SS	Stanton F.6.6	02/01/83	Non-routine	US
Shawbury Deep SM	2070	SJ 5375 2018	SD	Stanton F.6.6	09/01/79	Monthly	US
Shawbury Shallow SM	2069	SJ 5378 2007	SD	Stanton F.6.6	27/02/78	Monthly	US
Espley Farm	2312	SJ 6100 2670	SS	Radmoor F.6.7	22/03/79	Non-routine	US
High Hatton Hall SI	2368	SJ 6060 2500	SS	Radmoor F.6.7	09/01/84	Non-routine	US
Hill Brae Farm SI	2220	SJ 6300 2195	SS	Radmoor F.6.7	07/03/85	Non-routine	US
Lodge Farm SI	2219	SJ 5936 2576	SS	Radmoor F.6.7	25/02/85	Non-routine	US
Oakhouse Farm SI	2384	SJ 6158 2251	SS	Radmoor F.6.7	20/03/84	Non-routine	US
Red House Farm SI	2386	SJ 6231 2207	SS	Radmoor F.6.7	24/04/79	Non-routine	US
Lodge Farm	0235	SO 8905 7355	SS	Kidderminster F.8.3	31/10/73	Monthly	US
Blakedown ALF No2	9000	SO 8799 7802	SS	Kidderminster F.8.3	14/11/95	Monthly	US

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SS Sherwood Sandstones

GB Gauge Board

SD Superficial Deposits

TW Tube Well

PZ Piezometer

SM Soil Moisture Site

Abs Abstraction

ALF Alleviation of low flows

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Whenever possible the Environment Agency will release the requested information within 60 days. If this cannot be done we will tell you so in writing.

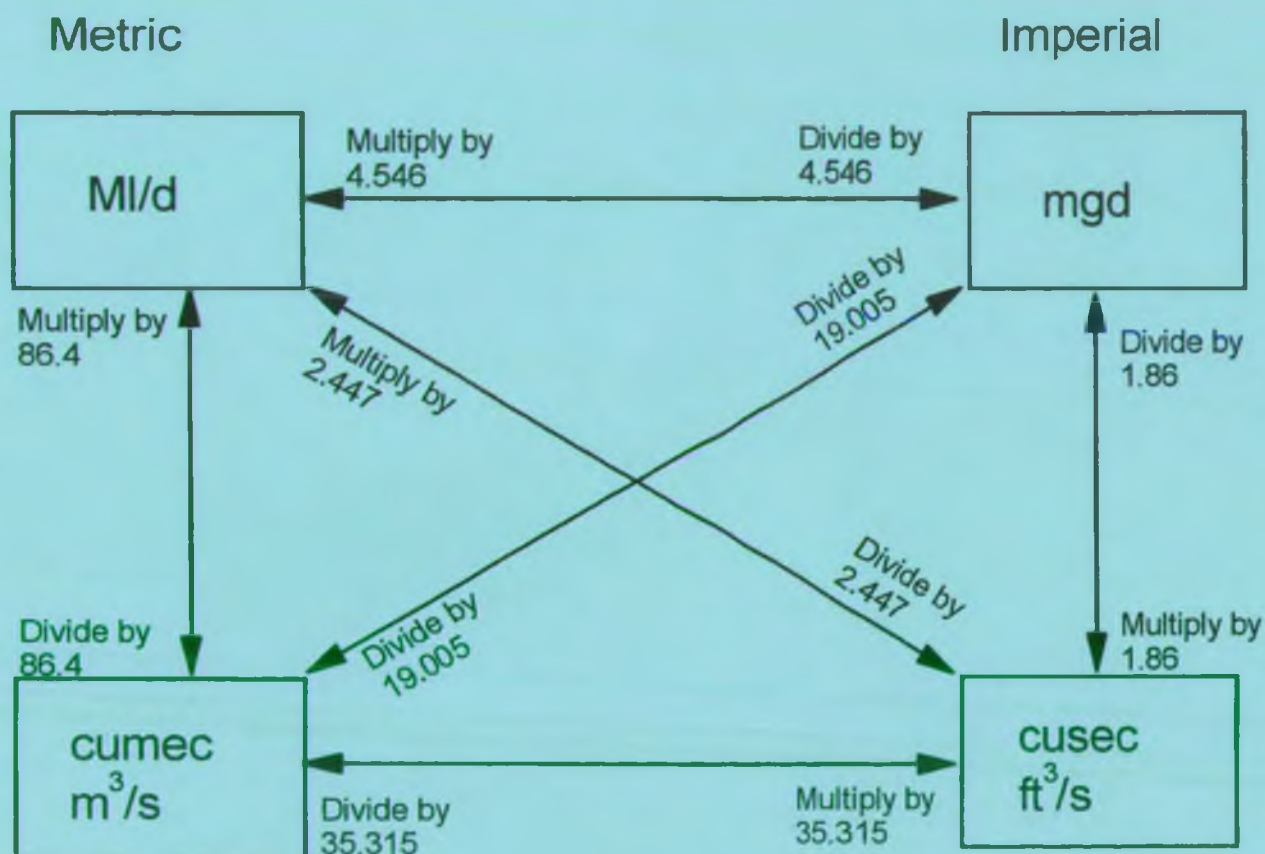
If the Environment Agency has to refuse a request, reasons for refusal will be confirmed in writing by one of our senior managers.

To request hydrometric information, please write or telephone using the following address:

Environment Agency
Midlands Region
Regional Scientific Department
Sapphire East
550 Streetsbrook Road
Solihull
B91 1QT

Telephone: 0121-711-2324 Ext. 3223
Fax: 0121-711-5824

FIGURE 45
FLOW RATE CONVERSION DIAGRAM

**KEY TO ABBREVIATIONS**

MI/d	megallitres per day
cumec	cubic metres per second
mgd	million gallons per day
cusec	cubic feet per second

The Environment Agency
Sapphire East
550 Streetsbrook Road
Solihull
B91 1QT

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Fax: 0121 711 5824