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*National Rivers Authority*

*South Western Region*

## **TECHNICAL DEPARTMENT**

### **1994 General Quality Assessment (GQA) South Wessex Area**

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## 1994 GENERAL QUALITY ASSESSMENT (GQA) SOUTH WESSEX AREA

### LIST OF CONTENTS

	CONTENTS	PAGE NO.
1.	Introduction	1
2.	Background	1
3.	Comparison of 1994 GQA classes with previous years	1
4.	Assigning sampling sites to river stretches	1
5.	GQA grade limits	2
6.	Unclassified stretches	2
7.	Biology, nutrient and aesthetic components of the GQA Scheme	2
8.	References	3
Table 1	GQA Chemical grading for rivers and canals	4
Table 2	Length of rivers and canals in GQA chemical grades for 1994	5
Table 3	GQA classification 1994	6
Table 4	Sampling point details	15

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# 1994 GENERAL QUALITY ASSESSMENT (GQA) SOUTH WESSEX AREA

## 1. Introduction

This report contains the results of applying the chemical GQA Scheme to data collected during 1992-1994 from the freshwater stretches of rivers in South Wessex Area; these results are referred to as the 1994 assessment. This assessment uses all routine samples taken between 1 January 1992 and 31 December 1994 as part of the annual GQA monitoring programmes. It is calculated from measurements of the concentrations of biochemical oxygen demand (BOD), total ammonia and dissolved oxygen.

## 2. Background

The GQA Scheme is the NRA classification system designed to show trends in water quality over time; full details of the Scheme are given elsewhere<sup>1</sup>. It has been introduced to replace the use of the National Water Council (NWC) Scheme for this purpose.

The NWC Scheme was also used to assess compliance with River Quality Objectives. The NRA plans to introduce statutory Water Quality Objectives (WQOs) to supersede the River Quality Objectives set under the NWC Scheme<sup>2</sup>. Separate classification schemes will be used to assess compliance with WQOs, eg the Rivers Ecosystem classification<sup>3</sup>.

## 3. Comparison of the 1994 assessment with previous years

Changes in the GQA grade of each river stretch between the 1993 and 1994 assessments are shown by arrows in the "CLASS" column in Table 3. Due to the design of the GQA sampling programmes the average risk of assigning the wrong grade to a particular stretch is 25%<sup>1</sup>. A small change in the GQA grade of a particular river stretch between years may therefore be due to a mis-grading in one year rather than a real change in water quality.

Broad changes in GQA quality across catchments are likely to indicate real changes in water quality that could be due to either climatic or human factors.

## 4. Assigning Sampling Sites to River Stretches

Each year the GQA sampling programme is reviewed and sites may be added or deleted. Each river stretch to be classified is then assigned the site that most accurately represents its water quality. The codes for the sites chosen are shown in Table 3 in the columns labelled "1992 SITE", "1993 SITE" and "1994 SITE". The full details of the sampling sites are shown in Table 4.

Due to alterations in the GQA sampling programme the sites assigned to some stretches changed between 1992 and 1994. This is emphasised in Table 3 by brackets around changed site codes. For stretches where this occurred the 1994 GQA classification was assessed using a combination of samples taken from the different sites during the respective years.

eg

A site on Huckles Brook at Ogdens, code 30291100, was deleted from the GQA sampling programme between 1993 and 1994.

River	Stretch	1992 Site	1993 Site	1994 Site
Huckles Brook	Fritham Bridge - Gorley	(30291100)	(30291100)	30291000

The 1994 GQA classification for the stretch was assessed using samples taken in 1992 and 1993 at site 30291100 and samples taken in 1994 at site 30291000.

### 5. GQA grade limits

The GQA chemical grade is defined by standards for the concentration of BOD, ammonia and dissolved oxygen as summarised in Table 1. The overall class for each stretch is determined by the lowest grade of the three parameters.

The classification schedule, Table 3, shows percentile figures for BOD and ammonia rounded to two decimal places, whereas the classification uses the third decimal place. If a percentile shown in the schedule is on the grade limit it may therefore be in either the higher or lower grade depending on the value before rounding:

eg a total ammonia 90 percentile shown in the schedule as 0.25 mg/l N could have a true value between 0.245 mg/l N and 0.255 mg/l N, so may be in either class A (if  $\leq 0.25$  mg/l before rounding) or class B (if  $> 0.25$  mg/l before rounding).

### 6. Unclassified stretches

Where unclassified stretches appear in the schedules they are included for completeness.

### 7. Biology, nutrient and aesthetic components of the GQA Scheme

The GQA Scheme will consist of several separate water quality assessments, each providing a separate 'window' through which water quality is viewed. This document concerns only the chemical component of the Scheme. In the future it is intended that further 'windows' will be added, covering biology, nutrients and aesthetic quality, dependent upon successful development of suitable methods and classification systems.

## 8. References

1. National Rivers Authority. The Quality of Rivers and Canals in England and Wales (1990 to 1992) Water Quality Series: No. 19. May 1994.
2. National Rivers Authority. Proposals for Statutory Water Quality Objectives. Water Quality Series: No. 5. December 1991.
3. National Rivers Authority. Water Quality Objectives: Procedures used by the National Rivers Authority for the purpose of the Surface Waters (Rivers Ecosystem) (Classification) Regulations 1994. March 1994.

**TABLE 1: GQA CHEMICAL GRADING FOR RIVERS AND CANALS**

<b>Water Quality</b>	<b>Grade</b>	<b>Quality Criteria</b>
Good	A	Dissolved oxygen % saturation $\geq 80\%$ BOD (ATU) $\leq 2.5$ mg/l O Total ammonia $\leq 0.25$ mg/l N
	B	Dissolved oxygen % saturation $\geq 70\%$ BOD (ATU) $\leq 4$ mg/l O Total ammonia $\leq 0.6$ mg/l N
Fair	C	Dissolved oxygen % saturation $\geq 60\%$ BOD (ATU) $\leq 6$ mg/l O Total ammonia $\leq 1.3$ mg/l N
	D	Dissolved oxygen % saturation $\geq 50\%$ BOD (ATU) $\leq 8$ mg/l O Total ammonia $\leq 2.5$ mg/l N
Poor	E	Dissolved oxygen % saturation $\geq 20\%$ BOD (ATU) $\leq 15$ mg/l O Total ammonia $\leq 9$ mg/l N
Bad	F	Dissolved oxygen % saturation $< 20\%$ BOD (ATU) $> 15$ mg/l O Total ammonia $> 9$ mg/l N

**STATISTICS USED BY NATIONAL RIVERS AUTHORITY**

<b>Determinand</b>	<b>Statistic</b>	<b>Distribution</b>
Dissolved oxygen	10 percentile	Normal
BOD (ATU)	90 percentile	Log-normal
Total ammonia	90 percentile	Log-normal

**TABLE 2: LENGTH OF RIVERS AND CANALS IN GQA CHEMICAL GRADES  
FOR 1994 - SOUTH WESSEX AREA**

<b>Quality Class</b>	<b>Length km</b>	<b>Percentage of total classified</b>
<b>A</b>	303.9	31.7
<b>B</b>	403.6	42.2
<b>C</b>	196.5	20.5
<b>D</b>	12.8	1.3
<b>E</b>	41.0	4.3
<b>F</b>	0.0	0.0
<b>Total</b>	957.8	100.0

**TABLE 3: GQA CLASSIFICATION 1994**



NATIONAL RIVERS AUTHORITY - SOUTH WESSEX AREA  
1994 GENERAL QUALITY ASSESSMENT

V 02/08/95

G - determinand grade : N - number of samples : %ile - percentile : † improvement in GQA grade since 1993 : - same GQA grade as 1993 : † decline in GQA grade since 1993

RIVER	STRETCH	1992 SITE	1993 SITE	1994 SITE	UPSTREAM STRETCH LIMIT	DOWNSTREAM STRETCH LIMIT	LENGTH km	DISSOLVED OXYGEN		BOD		TOTAL AMMONIA		GRADE
								N	%ile G	N	%ile G	N	%ile G	
HAMP AVON	EAST/WEST HAMP AVON CONF-NETHERAVON	30104000	30104000	30104000	SU134 559	SU150 482	10.4	77	85.9 A	77	2.18 A	77	0.11 A	A -
HAMP AVON	NETHERAVON-D/S NETHERAVON STW	(30102000)	(30102000)	(30105000)	SU150 482	SU155 479	0.5	77	86.1 A	77	2.21 A	77	0.10 A	A -
HAMP AVON	D/S NETHERAVON STW-CONF WITH NINE MILE R	30102000	30102000	30102000	SU155 479	SU162 432	7.1	77	86.1 A	77	2.21 A	77	0.09 A	A -
HAMP AVON	CONF WITH NINE MILE-AMESBURY	30107000	30107000	30107000	SU162 432	SU152 407	6.2	77	86.1 A	77	1.83 A	77	0.12 A	A -
HAMP AVON	AMESBURY-CONF WITH NADDER	30106000	30106000	30106000	SU152 407	SU141 290	22.1	77	86.5 A	77	2.04 A	77	0.06 A	A -
HAMP AVON	CONF WITH NADDER-D/S BRITFORD BIF	30108000	30108000	30108000	SU141 290	SU172 268	4.1	60	79.4 B	63	3.69 B	63	0.08 A	B -
HAMP AVON	U/S BRITFORD BIF-CONF WITH BOURNE	30108000	30108000	30108000	SU146 291	SU155 290	1.1	60	79.4 B	63	3.69 B	63	0.08 A	B -
HAMP AVON	CONF WITH BOURNE-U/S SALISBURY STW	30113000	30113000	30113000	SU155 290	SU158 286	0.5	124	77.0 B	129	3.03 B	129	0.07 A	B -
HAMP AVON	U/S SALISBURY STW-CONF WITH CARRIER	30114000	30114000	30114000	SU158 286	SU168 284	1.3	97	68.5 C	102	5.54 C	102	0.32 B	C -
HAMP AVON	CONF WITH CARRIER-D/S BRITFORD BIF	(30114000)	(30114000)	30194000	SU168 284	SU172 268	2.0	76	65.6 C	82	5.54 C	82	0.30 B	C -
HAMP AVON	SLUICE NO-CONF WITH OLD RIVER			30108000	SU150 291	SU168 284	2.1	17	92.4 A	17	3.22 B	17	0.06 A	B
HAMP AVON	D/S BRITFORD BIF-DOWNTON	30202000	30202000	30202000	SU172 268	SU178 218	5.4	61	78.7 B	63	2.79 B	63	0.08 A	B -
HAMP AVON	DOWNTON-DOWNTON STW	30207200	30207200	30207200	SU178 218	SU175 205	1.7	65	68.0 C	68	4.53 C	68	0.24 A	C -
HAMP AVON	DOWNTON STW-WOODGREEN	30208000	30208000	30208000	SU175 205	SU175 183	2.5	71	72.9 B	74	3.08 B	74	0.21 A	B -
HAMP AVON	WOODGREEN-CONF WITH ASHFORD WTR	30211000	30211000	30211000	SU175 183	SU148 139	9.9	64	76.5 B	65	2.88 B	65	0.15 A	B -
HAMP AVON	CONF WITH ASHFD WTR-D/S BICTON FF	30215000	30215000	30215000	SU148 139	SU147 118	2.1	61	75.1 B	63	4.64 C	63	0.14 A	C -
HAMP AVON	D/S BICTON FF-CONF WITH HUCKLES BK	(30215000)	(30215000)	30213300	SU147 118	SU149 106	1.4	55	73.1 B	56	4.74 C	56	0.15 A	C -
HAMP AVON	CONF WITH HUCKLES BK-CONF WITH DOCKENS W	30217000	30217000	30217000	SU149 106	SU143 063	7.5	49	77.0 B	55	3.84 B	118	0.15 A	B -
HAMP AVON	CONF WITH DOCKENS WTR-CONF WITH LINF D BK	30214000	30214000	30214000	SU143 063	SU147 059	0.6	61	76.8 B	62	3.98 B	62	0.13 A	B -
HAMP AVON	CONF WITH LINF D BK-RINGWOOD STW	30223000	30223000	30223000	SU147 059	SU149 035	0.9	56	71.5 B	58	2.88 B	58	0.11 A	B -
HAMP AVON	RINGWOOD STW-D/S ASHLEY BIF	30224000	30224000	30224000	SU149 035	SU144 034	2.3	56	64.7 C	58	4.90 C	58	0.67 C	C -
HAMP AVON	U/S ASHLEY BIF-D/S ASHLEY BIF (WEST)	30217000	30217000	30217000	SU140 069	SU144 034	5.1	49	77.0 B	55	3.84 B	118	0.15 A	B -
HAMP AVON	D/S ASHLEY BIF-CONF WITH RIPLEY BK	30216000	30216000	30216000	SU144 034	S2157 964	12.3	120	74.3 B	126	3.71 B	126	0.11 A	B -
HAMP AVON	U/S SOPLEY BIF(EAST)-CONF WITH RIPLEY BK	30216000	30216000	30216000	S2149 973	S2157 964	1.2	120	74.3 B	126	3.71 B	126	0.11 A	B -
HAMP AVON	CONF WITH RIPLEY BK-CHRISTCHURCH(ESTUARY	30218000	30218000	30218000	S2157 964	S2154 942	3.8	143	75.1 B	147	2.72 B	147	0.10 A	B -
RIPLEY BK	NORTH RIPLEY-CONF WITH HAMP AVON	30298000	30298000	30298000	S2163 997	S2157 964	3.5	36	70.5 B	36	2.13 A	36	0.07 A	B -
LINFORD BK	RED SHOT WOOD-CONF WITH HAMP AVON	30295000	30295000	30295000	SU192 082	SU147 059	6.2	33	74.8 B	33	2.32 A	33	0.03 A	B -
DOCKENS WTR	FRITHAM-CONF WITH HAMP AVON	30294000	30294000	30294000	SU234 136	SU143 063	12.1	36	75.3 B	36	2.74 B	36	0.09 A	B -
SLEEP BK	NORTH PLUMLEY-CONF WITH HAMP AVON	30293000	30293000	30293000	SU124 108	SU139 088	3.8	33	73.2 B	33	3.61 B	33	0.11 A	B -
HUCKLES BK	FRITHAM BRIDGE-GORLEY	(30291100)	(30291100)	30291000	SU214 139	SU160 108	6.8	33	70.9 B	33	3.14 B	33	0.11 A	B -
HUCKLES BK	GORLEY-CONF WITH HAMP AVON	30291000	30291000	30291000	SU160 108	SU149 106	1.4	36	68.2 C	36	3.42 B	36	0.13 A	C †
DITCHEND BK	BLISSFORD-CONF WITH HAMP AVON	30290000	30290000	30290000	SU171 137	SU148 133	2.6	36	72.7 B	36	3.20 B	36	0.08 A	B †
ASHFORD WTR	MARTIN-CONF WITH SWEATFORD WTR	30181000	30181000	30181000	SU073 194	SU145 141	10.6	35	79.4 B	35	2.00 A	35	0.09 A	B -

NATIONAL RIVERS AUTHORITY - SOUTH WESSEX AREA  
1994 GENERAL QUALITY ASSESSMENT

V 02/08/95

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RIVER	STRETCH	1992 SITE	1993 SITE	1994 SITE	UPSTREAM STRETCH LIMIT	DOWNSTREAM STRETCH LIMIT	LENGTH km	DISSOLVED OXYGEN			BOD			TOTAL AMMONIA			GRADE
								N	%ile	G	N	%ile	G	N	%ile	G	
ASHFORD WTR	CONF WITH SWEATFD WTR-CONF WITH HAMP AVN	30289000	30289000	30289000	SU145 141	SU148 139	0.3	36	77.7	B	36	2.05	A	36	0.13	A	B →
SWEATFORD WTR	ROCK BOURNE-CONF WITH ASHFORD WTR	30288000	30288000	30288000	SU112 186	SU145 141	7.1	33	80.4	A	33	2.34	A	33	0.06	A	A →
EBBLE EBBLE	EBBESBORNE WAKE-BISHOPSTONE BISHOPSTONE-CONF WITH AVON	30263000	30263000	30263000	ST987 236	SU072 257	9.1	37	86.4	A	37	1.42	A	37	0.08	A	A →
		30258000	30258000	30258000	SU072 257	SU171 260	12.4	36	91.1	A	37	1.89	A	37	0.07	A	A →
EBBLE TRIBUTARY	CHALKE VALLEY FF OUTLET-CONF WITH EBBLE			30257000	SU025 236	SU032 252	2.0	13	73.7	B	13	1.87	A	13	0.32	B	B
BOURNE	BOSCOMBE-CONF WITH HAMP AVON	30159000	30159000	30159000	SU203 387	SU155 290	15.5	77	81.0	A	77	2.35	A	77	0.06	A	A →
NADDER NADDER NADDER NADDER	LUDWELL-CONF WITH SEM. CONF WITH SEM-CONF WITH FONTHILL STR CONF WITH FHILL STR-CONF WITH FOVANT BK CONF WITH FOVANT BK-D/S BURCOMBE BIF (ST U/S BURCOMBE BIF-CONF WITH HAMP AVON	30234000	30234000	30234000	ST908 227	ST923 274	5.6	78	84.6	A	78	4.78	C	78	0.32	B	C →
		30235000	30235000	30235000	ST923 274	ST952 296	4.7	78	76.1	B	78	3.22	B	78	0.21	A	B →
		30236000	30236000	30236000	ST952 296	SU002 306	7.0	78	84.2	A	78	2.84	B	78	0.18	A	B →
		30239000	30239000	30239000	SU002 306	SU093 311	11.3	77	87.8	A	78	2.45	A	78	0.10	A	A ↑
30239000	30239000	30239000	SU074 310	SU141 290	8.8	77	87.8	A	78	2.45	A	78	0.10	A	A ↑		
FOVANT BK FOVANT BK	WEST FM-U/S FOVANT FIFA D/S FOVANT FIFA-CONF WITH NADDER	30240000	30240000	30240000	SU006 283	SU000 290	1.3	39	86.7	A	39	1.96	A	39	0.03	A	A →
		30242000	30242000	30242000	SU000 290	SU002 306	2.0	39	69.7	C	39	2.04	A	39	0.22	A	C ↓
FONTHILL STR	U/S FONTHILL LAKE-CONF WITH NADDER	30231000	30231000	30231000	ST934 328	ST952 296	4.3	37	86.8	A	37	2.47	A	37	0.04	A	A →
SEM	BILLHAY FM-CONF WITH NADDER	30268000	30268000	30268000	ST894 284	ST923 274	3.7	78	61.8	C	78	8.56	E	78	0.81	C	E →
WYLYE WYLYE WYLYE WYLYE WYLYE WYLYE WYLYE WYLYE WYLYE WYLYE WYLYE	KINGSTON DEVERILL-HILL DEVERILL HILL DEVERILL-CONF WITH SHEAR WTR W/C CONF WITH SHEAR WTR W/C-WARMINSTER STW WARMINSTER STW-HENSFORD MARSH HENSFORD MARSH-BOREHAM BOREHAM-NORTON BEVANT NORTON BEVANT-UPTON LOVELL UPTON LOVELL-CONF WITH TILL CONF WITH TILL-STOFORD (STH BIF) LITTLE WASHFORD-CONF WITH NADDER (WEST) U/S DITCHPTN BIF-CONF WITH NADDER (EAST)	(30188000)	(30188000)	30122000	ST827 374	ST869 405	8.0	52	77.5	B	52	1.63	A	52	0.07	A	B →
		30122000	30122000	30122000	ST869 405	ST868 423	2.1	79	80.6	A	79	2.82	B	79	0.13	A	B →
		30129000	30129000	30129000	ST868 423	ST875 437	1.8	80	92.5	A	79	2.26	A	79	0.11	A	A →
		30130000	30130000	30130000	ST875 437	ST879 439	0.5	80	89.4	A	80	3.72	B	80	1.05	C	C ↓
		30133000	30133000	30133000	ST879 439	ST891 441	1.4	41	88.4	A	41	2.59	B	41	0.66	C	C →
		30134000	30134000	30134000	ST891 441	ST903 433	4.0	79	87.3	A	79	2.66	B	79	0.46	B	B →
		30125000	30125000	30125000	ST903 433	ST942 401	6.8	80	89.2	A	80	2.79	B	80	0.36	B	B →
		30127200	30127200	30127200	ST942 401	SU068 368	15.2	40	79.3	B	41	1.99	A	41	0.10	A	B ↓
		30128000	30128000	30128000	SU068 368	SU083 357	2.1	77	90.2	A	78	1.87	A	78	0.05	A	A →
		30128000	30128000	30128000	SU071 360	SU104 308	7.7	77	90.2	A	78	1.87	A	78	0.05	A	A →
		30245000	30245000	30245000	SU095 327	SU107 307	2.9	76	89.3	A	78	1.79	A	78	0.05	A	A →
TILL	ORCHESTON-CONF WITH WYLYE	30146000	30146000	30146000	SU056 453	SU068 368	12.9	78	88.5	A	78	1.56	A	78	0.04	A	A →
SHEAR WATER W/C	HART HILL-CONF WITH WYLYE	30178000	30178000	30178000	ST839 426	ST868 423	3.1	39	80.5	A	39	5.21	C	39	0.20	A	C →
NINE MILE RIVER	BRIGMERSTON-CONF WITH HAMP AVON	30115000	30115000	30115000	SU201 475	SU162 432	6.8	77	78.7	B	77	3.11	B	77	0.02	A	B ↓

NATIONAL RIVERS AUTHORITY - SOUTH WESSEX AREA  
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RIVER	STRETCH	1992 SITE	1993 SITE	1994 SITE	UPSTREAM STRETCH LIMIT	DOWNSTREAM STRETCH LIMIT	LENGTH km	DISSOLVED OXYGEN		BOD		TOTAL AMMONIA		GRADE
								N	Xile G	N	Xile G	N	Xile G	
HAMP AVON (WESTERN)	LITTLE HORTON-CONF WITH HORTON TRIB	30053000	30053000	30053000	SU030 625	SU056 616	3.2	39	77.4 B	41	2.32 A	41	0.13 A	B -
HAMP AVON (WESTERN)	BISHOPS CANS-U/S PATNEY BIF	30053000	30053000	30053000	SU046 640	SU066 604	4.7	39	77.4 B	41	2.32 A	41	0.13 A	B -
HAMP AVON (WESTERN)	U/S PATNEY BIF-D/S PATNEY BIF	30098000	30098000	30098000	SU066 604	SU088 582	4.8	77	77.4 B	77	2.65 B	77	0.13 A	B -
HAMP AVON (WESTERN)	U/S PATNEY BIF-CONF WITH HAMP AVON(EAST)	30098000	30098000	30098000	SU066 604	SU134 559	11.2	77	77.4 B	77	2.65 B	77	0.13 A	B -
HAMP AVON (EASTERN)	MILTON LILBOURNE-HILL VIEW	30045000	30045000	30045000	SU199 603	SU155 594	4.5	77	84.4 A	77	2.73 B	77	0.18 A	B †
HAMP AVON (EASTERN)	HILL VIEW-SHARCOTT	30046000	30046000	30046000	SU155 594	SU151 592	0.6	77	76.7 B	77	2.92 B	77	0.55 B	B †
HAMP AVON (EASTERN)	SHARCOTT-CONF WITH WOODBOROUGH STR	30083000	30083000	30083000	SU151 592	SU130 574	3.3	39	79.1 B	39	2.15 A	39	0.21 A	B -
HAMP AVON (EASTERN)	CONF WITH WOODB STR-CONF WITH H AV (WST)	30088000	30088000	30088000	SU130 574	SU134 559	2.0	77	81.3 A	77	2.70 B	77	0.28 B	B -
DEANE WTR	WILCOTT-KNOWLE	(30045000)	(30045000)		SU145 615	SU163 606	2.0							
DEANE WTR	LITTLEWORTH-AVON SPRINGS FISH FARM	(30090000)	(30090000)	30097000	SU200 614	SU175 616	2.6	39	80.8 A	39	2.52 B	39	0.12 A	B †
DEANE WTR	AVON SPRINGS FISH FARM-CONF WITH HAMP AV	30090000	30090000	30090000	SU175 616	SU165 597	2.9	39	81.8 A	39	1.91 A	39	0.10 A	A -
STOUR	GASPER-CONF WITH SHREEN WTR	30304100	30304100	30304100	ST767 329	ST807 264	9.1	73	84.9 A	75	4.53 C	75	0.22 A	C -
STOUR	CONF WITH SHREEN WTR-D/S GILLINGHAM	30305000	30305000	30305000	ST807 264	ST804 258	1.4	73	85.0 A	75	3.99 B	75	0.18 A	B -
STOUR	D/S GILLINGHAM-CONF WITH LODDEN	30306000	30306000	30306000	ST804 258	ST803 254	0.4	73	81.3 A	75	4.07 C	75	0.33 B	C -
STOUR	CONF WITH LODDEN-ECCLIFFE MILL	30307000	30307000	30307000	ST803 254	ST794 252	1.0	73	79.3 B	75	3.91 B	75	0.36 B	B -
STOUR	ECCLIFFE MILL-TRILL BRIDGE	30309000	30309000	30309000	ST794 252	ST789 205	7.6	73	80.2 A	75	2.95 B	75	0.24 A	B †
STOUR	TRILL BRIDGE-CONF WITH CALE	30310000	30310000	30310000	ST789 205	ST763 194	5.8	74	74.8 B	76	3.01 B	76	0.23 A	B -
STOUR	CONF WITH CALE-TWINWOOD COPPICE	30311000	30311000	30311000	ST763 194	ST782 152	7.4	36	78.0 B	37	4.13 C	37	0.30 B	C †
STOUR	TWINWOOD COPPICE-CONF WITH MANSTON BK	30313000	30313000	30313000	ST782 152	ST815 151	5.0	37	86.7 A	38	4.52 C	38	0.24 A	C †
STOUR	CONF WITH MANS BK-CONF WITH FONTMELL BK	30316000	30316000	30316000	ST815 151	ST823 144	1.5	36	86.7 A	36	4.49 C	36	0.27 B	C †
STOUR	CONF WITH FONTMELL BK-CONF WITH IWERNE	30317000	30317000	30317000	ST823 144	ST857 092	10.5	34	86.1 A	35	4.06 C	35	0.25 A	C †
STOUR	CONF WITH IWERNE-DURWESTON	(30410000)	(30410000)	30319000	ST857 092	ST865 081	1.5	52	75.5 B	53	4.63 C	53	0.25 A	C -
STOUR	DURWESTON-D/S SPETISBURY BIF	30410000	30410000	30410000	ST865 081	ST919 020	11.2	63	74.3 B	64	4.72 C	64	0.25 A	C -
STOUR	U/S SPETISBURY BIF-CONF WITH TARRANT	30410000	30410000	30410000	ST912 037	ST916 033	0.6	63	74.3 B	64	4.72 C	64	0.25 A	C -
STOUR	CONF WITH TARRANT-TARRANT CRAWFORD STW	(30410000)	(30410000)	30413000	ST916 033	ST915 031	0.3	66	73.6 B	67	4.63 C	67	0.22 A	C -
STOUR	TARRANT CRAWFORD STW-CONF WITH N WINTERB	30413000	30413000	30413000	ST915 031	ST946 003	5.6	72	73.5 B	73	4.50 C	73	0.20 A	C -
STOUR	CONF WITH N WINTERBNE-D/S STUR MAR BIF (	30420000	30420000	30420000	ST946 003	SY960 998	2.8	89	68.2 C	95	4.17 C	95	0.15 A	C †
STOUR	U/S STUR MAR BIF-CONF WITH ALLEN	30420000	30420000	30420000	ST949 004	SZ016 993	10.2	89	68.2 C	95	4.17 C	95	0.15 A	C †
STOUR	CONF WITH ALLEN-U/S A348	30422000	30422000	30422000	SZ016 993	SZ064 973	8.9	92	66.9 C	94	4.31 C	94	0.18 A	C -
STOUR	U/S A348-D/S LONGHAM BIF	30423000	30423000	30423000	SZ064 973	SZ069 976	0.7	136	76.5 B	140	4.18 C	140	0.16 A	C -
STOUR	D/S LONGHAM BIF-KINSON STW	(30424000)	(30424000)	30425000	SZ069 976	SZ089 962	3.2	134	74.2 B	137	4.70 C	137	0.16 A	C -
STOUR	KINSON STW-PALMERSFORD	30425000	30425000	30425000	SZ089 962	SZ103 970	2.0	132	72.4 B	136	5.05 C	136	0.21 A	C -
STOUR	PALMERSFORD-CONF WITH MOORS	(30430000)	(30430000)	30431000	SZ103 970	SZ132 959	4.6	125	72.6 B	134	4.99 C	134	0.17 A	C -
STOUR	CONF WITH MOORS-HOLDENHURST	30431000	30431000	30431000	SZ132 959	SZ136 952	1.1	122	72.9 B	132	4.17 C	132	0.15 A	C -
STOUR	HOLDENHURST-JUMPERS COMMON	30433000	30433000	30433000	SZ136 952	SZ135 946	1.0	126	64.6 C	132	5.02 C	132	0.30 B	C -
STOUR	JUMPERS COMMON-IFORD BRIDGE	30437000	30437000	30437000	SZ135 946	SZ140 935	1.6	155	70.4 B	159	4.45 C	159	0.32 B	C -
STOUR	IFORD BRIDGE-TUCKTON(ESTUARY)	(30438000)	(30438000)	30437000	SZ140 935	SZ147 929	1.4	139	69.1 C	143	5.19 C	143	0.37 B	C -

NATIONAL RIVERS AUTHORITY - SOUTH WESSEX AREA  
1994 GENERAL QUALITY ASSESSMENT

V 02/08/95

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RIVER	STRETCH	1992 SITE	1993 SITE	1994 SITE	UPSTREAM STRETCH LIMIT	DOWNSTREAM STRETCH LIMIT	LENGTH km	DISSOLVED OXYGEN			BOD		TOTAL AMMONIA		GRADE		
								N	Xile	G	N	Xile	G	N		Xile	G
MOORS	CONF WITH CRANE-CONF WITH STOUR	30498000	30498000	30498000	SU095 012	S2132 959	8.3	126	71.3	B	128	2.56	B	128	0.22	A	B -
MANNINGTON BK MANNINGTON BK	MANNINGTON-AMEYSFORD AMEYSFORD-CONF WITH CRANE	30492600 30492000	30492600 30492000	30492600 30492000	SU059 054 SU077 022	SU077 022 SU095 012	5.0 2.7	12 25	73.8 54.9	B D	12 26	3.05 3.22	B B	12 26	0.13 0.25	A A	B - D †
CRANE CRANE CRANE	SQUIRRELS CORNER-ROMFORD ROMFORD-U/S KINGS FM U/S KINGS FM-CONF WITH MANNINGTON BK	30491000 30491300 30494000	30491000 30491300 30494000	30491000 30491300 30494000	SU033 152 SU075 099 SU105 065	SU075 099 SU105 065 SU095 012	9.8 6.3 6.8	32 12 30	77.4 80.7 65.6	B A C	34 12 32	2.39 1.73 2.87	A A B	35 12 33	0.09 0.08 0.07	A A A	B - A - C -
ALLEN ALLEN ALLEN ALLEN	MONKTON UP WIMBOURNE-CONF WITH GUSSAGE S CONF WITH GUSSAGE STR-D/S HINTON P BIF (U/S HINTON P BIF-D/S HINTON P BIF (EAST) D/S HINTON PARVA BIF-CONF WITH STOUR	30484000 30485000 30485000 30489000	30484000 30485000 30485000 30489000	30484000 30485000 30485000 30489000	SU013 135 SU014 100 ST994 047 SU002 036	SU014 100 SU002 036 SU002 036 S2016 993	5.2 9.1 1.2 6.0	33 46 46 45	64.8 75.5 75.5 71.5	C B B B	33 46 46 46	2.25 2.15 2.15 1.96	A A A A	33 46 46 46	0.19 0.05 0.05 0.05	A A A A	C † B † B † B -
NORTH WINTERBOURNE	WINTERBOURNE KINGSTON-CONF WITH STOUR	30474000	30474000	30474000	SY851 979	ST946 003	12.6	28	79.3	B	28	2.62	B	28	0.18	A	B -
TARRANT	TARRANT GUNVILLE-CONF WITH STOUR	30478000	30478000	30478000	ST928 126	ST916 033	12.5	38	94.7	A	39	2.45	A	39	0.05	A	A †
IWERNE IWERNE IWERNE	IWERNE MINSTER-U/S IWERNE FIFA U/S IWERNE FIFA-RANSTON RANSTON-CONF WITH STOUR	(30472000) 30473000 30468000	(30472000) 30473000 30468000	30473000 30468000	ST865 142 ST864 140 ST862 118	ST864 140 ST862 118 ST857 092	0.2 2.3 3.0	32 34	61.2 79.6	C B	33 36	2.56 3.51	B B	33 36	0.60 0.12	B A	C - B -
FONTMELL BK FONTMELL BK	FONTMELL MAGNA-FARRINGTON FARRINGTON-CONF WITH STOUR	(30397000) 30398000	(30397000) 30398000	30398000	ST856 170 ST845 152	ST845 152 ST823 144	2.6 3.3	34	91.2	A	35	4.15	C	35	0.64	C	C †
MANSTON BK	CONF WITH STIRCHELL BK-CONF WITH STOUR	30388000	30388000	30388000	ST824 167	ST815 151	2.3	78	72.3	B	79	4.91	C	79	0.85	C	C -
KEY BK	MARSH COMMON-CONF WITH STIRCHELL BK	30386000	30386000	30386000	ST828 197	ST824 167	6.0	64	28.6	E	65	7.81	D	65	3.94	E	E -
DIVELISH	KITFORD-CONF WITH STOUR	30449000	30449000	30449000	ST777 085	ST777 152	8.0	35	90.0	A	36	6.17	D	36	0.76	C	D †
LYDDEN LYDDEN LYDDEN LYDDEN	CANNINGS CT-CONF WITH LYDDEN HO HAZELBURY BRYAN-CONF AT LYDDEN HO CONF AT LYDDEN HO-CONF WITH CAUNDLE BK CONF WITH CAUNDLE BK-CONF WITH STOUR	30365000 30366000 30455000 30368000	30365000 30366000 30455000 30368000	30365000 30366000 30455000 30368000	ST715 070 ST746 063 ST731 095 ST748 143	ST731 095 ST731 095 ST748 143 ST767 170	3.5 4.4 8.2 4.8	39 38 39 38	88.5 86.4 85.3 81.7	A A A A	39 38 39 38	5.20 5.05 4.20 3.55	C C C B	39 38 39 38	1.29 0.80 0.31 0.26	C C B B	C - C - C - B †
CAUNDLE BK CAUNDLE BK CAUNDLE BK	MIDDLEMARSH-CONF WITH CAM CONF WITH CAM-BISHOPS CAUNDLE BISHOPS CAUNDLE-CONF WITH LYDDEN	(30444000) 30443000 30448000	(30444000) 30443000 30448000	30443000 30443000 30448000	ST670 065 ST679 115 ST710 129	ST679 115 ST710 129 ST748 143	6.1 5.2 5.3	35 36 41	77.6 73.0 80.1	B B A	36 36 43	4.19 5.05 4.34	C C C	36 36 43	0.41 0.54 0.35	B B B	C - C - C -
CAM	HOLNEST-CONF WITH CAUNDLE BK	(30443000)	(30443000)	30455000	ST658 102	ST679 115	3.9	37	73.6	B	37	4.87	C	37	0.50	B	C -

NATIONAL RIVERS AUTHORITY - SOUTH WESSEX AREA  
1994 GENERAL QUALITY ASSESSMENT

V 02/08/95

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RIVER	STRETCH	1992 SITE	1993 SITE	1994 SITE	UPSTREAM STRETCH LIMIT	DOWNSTREAM STRETCH LIMIT	LENGTH km	DISSOLVED OXYGEN		BOD		TOTAL AMMONIA		GRADE
								N	%ile G	N	%ile G	N	%ile G	
CALE CALE CALE	WINDMILL HILL-WINCANTON WINCANTON-CONF WITH BOW BK (NTH) CONF WITH BOW BK(N)-CONF WITH STOUR	(30349000) 30353000 30358000	(30349000) 30353000 30358000	30353000 30358000	ST720 295 ST709 280 ST738 226	ST709 280 ST738 226 ST763 194	2.5 7.3 7.1	81	63.0 C	81	4.14 C	81	0.42 B	C -
LODDEN LODDEN	NEW LEAZE FM-LR MERE PK FM LR MERE PK FM-CONF WITH STOUR	(30336000) 30338000	(30336000) 30338000	30338000	ST859 299 ST842 292	ST842 292 ST803 254	5.0 5.8	59	48.5 E	60	4.97 C	60	0.77 C	E †
SHREEN WTR SHREEN WTR SHREEN WTR SHREEN WTR	SOUTHBROOK-CONF WITH BURTON TRIB BURTON-SWAINSFORD FF SWAINSFORD FF-CONF WITH SOUTH BK TRIB SOUTHBK/BURTON TRIB-CONF WITH STOUR	30325000 (30331000) (30331000) 30325000	30325000 (30331000) (30331000) 30325000	30325000 30330200 30325000	ST825 321 ST827 329 ST827 314 ST814 307	ST814 307 ST812 314 ST814 307 ST807 264	2.3 2.2 1.0 5.6	73	79.4 B	75	2.68 B	75	0.27 B	B -
KENNET AND AVON CANAL KENNET AND AVON CANAL	WOOTTON-WOODBOROUGH WOODBOROUGH-DEVIZES	30057000 30061000	30057000 30061000	30057000 30061000	SU200 630 SU114 607	SU114 607 ST997 617	9.9 14.9	39	72.1 B	41	8.69 E	41	0.30 B	E -
								40	33.4 E	41	7.85 D	41	0.41 B	E -

NATIONAL RIVERS AUTHORITY - SOUTH WESSEX AREA  
1994 GENERAL QUALITY ASSESSMENT

V 02/08/95

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RIVER	STRETCH	1992 SITE	1993 SITE	1994 SITE	UPSTREAM STRETCH LIMIT	DOWNSTREAM STRETCH LIMIT	LENGTH km	DISSOLVED OXYGEN		BOD		TOTAL AMMONIA		GRADE
								N	%ile G	N	%ile G	N	%ile G	
SHERFORD SHERFORD SHERFORD	BLACK HEATH-U/S MORDEN PK LAKE D/S MORDEN PK LAKE-ORGANFORD ORGANFORD-ESTUARY	30792000 30792000 30798000	30792000 30792000 30798000	30792000 30792000 30798000	SY876 934 SY908 927 SY939 922	SY904 933 SY939 922 SY964 920	3.6 4.6 3.2	34 34 30	91.7 A 91.7 A 88.1 A	35 35 32	2.54 B 2.54 B 2.89 B	35 35 32	0.17 A 0.17 A 0.17 A	B - B - B -
SHERFORD LAKE	U/S MORDON PK LAKE-D/S MORDON PK LAKE	30792000	30792000	30792000	SY904 933	SY908 927	0.9	34	91.7 A	35	2.54 B	35	0.17 A	B -
PIDDLE PIDDLE PIDDLE PIDDLE PIDDLE PIDDLE PIDDLE PIDDLE PIDDLE PIDDLE PIDDLE PIDDLE PIDDLE PIDDLE PIDDLE PIDDLE PIDDLE PIDDLE PIDDLE PIDDLE	MANOR HO.-ALTON PANCRAS ALTON PANCRAS-CONF WITH DRUCE STR CONF WITH DRUCE STR-ATHELHAMPTON BURLESTON HO-BURLESTON BRIDGE BURLESTON BRIDGE-D/S TOLPUDDLE BIF (STH) BURLESTON BRIDGE-D/S AFFPUDDLE BIF(STH) U/S AFFPUDDLE BIF-D/S AFFPUDDLE BIF(NTH) D/S AFFPUDDLE BIF-BROCKHILL BROCKHILL-CHAMBERLAYNES FM CHAMBERLAYNES FM-U/S TRIGON BIF U/S TRIGON BIF-TRIGON FISH FM TRIGON FISH FM-U/S 8 HATCH FISH FM U/S 8 HATCH FISH FM-8 HATCH FISH FM 8 HATCH FISH FM-D/S TRIGON BIF U/S TRIGON BIF-D/S TRIGON BIF D/S TRIGON BIF-WAREHAM ESTUARY	30601000 30604000 30607000 30607000 30610000 30610000 30610000 30610000 30610000 30613000 30609000 (30616000) 30618000 30619000 30619200 (30619200)	30601000 30604000 30607000 30607000 30610000 30610000 30610000 30610000 30613000 30609000 (30616000) 30618000 30619000 30619200 (30619200)	30601000 30604000 30607000 30607000 30610000 30610000 30610000 30610000 30613000 30609000 (30616000) 30618000 30619000 30619200 30615000	ST695 023 ST700 022 SY745 952 SY774 944 SY764 944 SY784 941 SY784 941 SY803 941 SY829 934 SY838 929 SY840 927 SY878 892 SY883 886 SY883 886 SY8913 8842 SY8933 8812 SY878 892 SY8955 8810	ST700 022 SY745 952 SY773 941 SY784 941 SY794 942 SY8265 9320 SY8265 9320 SY838 929 SY840 927 SY878 892 SY883 886 SY8913 8842 SY8933 8812 SY8955 8810 SY878 892 SY928 884	0.7 9.8 3.6 2.5 1.1 5.2 3.9 1.7 0.5 6.4 1.0 0.7 0.4 0.1 2.2 4.1	34 37 37 37 38 38 38 38 38 39 40 35 36 36 36 12 58	98.0 A 91.3 A 87.1 A 87.1 A 92.7 A 92.7 A 92.7 A 92.7 A 87.9 A 92.5 A 95.4 A 91.9 A 89.5 A 83.2 A 104.8 A 86.2 A	35 38 38 38 39 39 39 39 38 40 36 36 36 36 12 59	2.19 A 3.06 B 1.62 A 1.62 A 2.21 A 2.21 A 2.21 A 2.21 A 1.77 A 1.92 A 1.89 A 1.97 A 1.97 A 3.25 B 2.12 A 2.89 B	35 38 38 38 39 39 39 39 38 40 35 36 36 36 12 59	0.06 A 0.13 A 0.09 A 0.09 A 0.04 A 0.04 A 0.04 A 0.04 A 0.07 A 0.06 A 0.07 A 0.14 A 0.14 A 0.21 A 0.04 A 0.17 A	A - B - A - A - A - A - A - A - A - A - A - A - A - A - A - A - A - A - A - B -
BINNEGAR BK	U/S TRIGON BIF-D/S TRIGON BIF	30609000	30609000	30609000	SY878 892	SY895 881	1.7	39	92.5 A	40	1.92 A	40	0.06 A	A ↑
BERE STR BERE STR	MILBOURNE ST ANDREW-BERE REGIS BERE REGIS-CONF WITH PIDDLE	(30635000) 30637000	(30635000) 30637000	30637000 30637000	SY803 973 SY840 953	SY840 953 SY859 912	5.6 4.9	36 38	98.7 A 95.0 A	37 39	2.21 A 2.48 A	37 39	0.06 A 0.07 A	A - A -
DEVILS BK DEVILS BK	ANSTY-CONF WITH PIDDLE D/S FRYERS BRIDGE-BURLESTON BRIDGE	30623000 30623000	30623000 30623000	30623000 30623000	ST766 042 SY774 961	SY772 945 SY784 941	12.2 3.2	36 36	85.1 A 85.1 A	37 37	2.16 A 2.16 A	37 37	0.10 A 0.10 A	A - A -
DORSET FROME DORSET FROME DORSET FROME DORSET FROME DORSET FROME DORSET FROME DORSET FROME DORSET FROME DORSET FROME DORSET FROME	EVERSHOT-EVERSHOT STW EVERSHOT STW-BURL FM BURL FM-CONF WITH WRAXALL BK CONF WITH WRAXALL BK-CONF WITH HOOKE CONF WITH HOOKE-FRAMPTON FRAMPTON-SYDLING WTR CONF WITH SYDLING WATER-U/S DORCHEST BIF U/S DORCHESTER BIF-POUNDBURY POUNDBURY-D/S DORCHESTER BIF	(30500000) (30501000) 30502000 30503000 30504000 (30516000) 30505000	(30500000) (30501000) 30502000 30503000 30504000 (30516000) 30505000	30502000 30503000 30504000 30505000 30505000	ST576 047 ST578 044 ST581 039 ST581 039 ST585 004 SY595 977 SY620 952 SY638 941 SY638 941 SY6500 9532 SY6784 9145	ST578 044 ST581 039 ST585 004 SY595 977 SY620 952 SY638 941 SY6500 9532 SY6784 9145 SY7017 9050	0.4 0.7 4.8 4.2 4.1 2.2 1.6 3.8 2.7	33 36 36 33 33 33 36 11	94.1 A 95.1 A 92.0 A 93.9 A 93.3 A 99.6 A	34 37 34 34 37 37 11	3.06 B 3.84 B 3.84 B 3.85 B 2.84 B 3.61 B	34 37 34 34 37 11	0.28 B 0.21 A 0.22 A 0.20 A 0.15 A 0.17 A	B - B - B - B - B - B - B - B

NATIONAL RIVERS AUTHORITY - SOUTH WESSEX AREA  
1994 GENERAL QUALITY ASSESSMENT

V 02/08/95

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RIVER	STRETCH	1992 SITE	1993 SITE	1994 SITE	UPSTREAM STRETCH LIMIT	DOWNSTREAM STRETCH LIMIT	LENGTH km	DISSOLVED OXYGEN		BOD		TOTAL AMMONIA		GRADE
								N	%ile G	N	%ile G	N	%ile G	
DORSET FROME	U/S DORCHESTER BIF-CONF WITH CERNE	30505000	30505000	30505000	SY6500 9532	SY677 919	4.0	36	93.3 A	37	2.84 B	37	0.15 A	B →
DORSET FROME	CONF WITH CERNE-D/S DORCHESTER BIF	(30506000)	(30506000)		SY677 919	SY7017 9050	3.1	47	83.3 A	49	2.38 A	49	0.10 A	A ↑
DORSET FROME	D/S DORCHESTER BIF-DORCHESTER STW	30506000	30506000	30506000	SY7017 9050	SY710 903	0.9	68	87.4 A	71	2.38 A	71	0.09 A	A ↑
DORSET FROME	DORCHESTER STW-CONF WITH S WINTERBOURNE	30507000	30507000	30507000	SY710 903	SY727 900	2.8	66	89.2 A	71	2.88 B	71	0.16 A	B →
DORSET FROME	CONF WITH S WINTERBOURNE-U/S PALLINGTON	(30517000)	(30517000)	30509000	SY727 900	SY780 913	6.7	34	91.8 A	36	2.52 B	36	0.08 A	B ↓
DORSET FROME	LR BOCKHAMPTON-EAST BURTON	30509000	30509000	30509000	SY725 907	SY835 876	13.4	34	88.9 A	36	2.37 A	36	0.09 A	A →
DORSET FROME	D/S PALLINGTON-D/S GOLDEN SPRINGS FF	30521000	30521000	30521000	SY787 909	SY798 902	1.5	34	90.4 A	35	3.46 B	35	0.34 B	B →
DORSET FROME	D/S GOLDEN SPRINGS FF-MORETON	(30521000)	(30521000)	30513000	SY798 902	SY806 893	4.1	32	91.0 A	33	3.47 B	33	0.37 B	B →
DORSET FROME	MORETON-CONF WITH TADNOLL BK	30521000	30521000	30521000	SY806 893	SY815 880	2.0	34	90.4 A	35	3.46 B	35	0.34 B	B →
DORSET FROME	CONF WITH TADNOLL BK-EAST BURTON	30510000	30510000	30510000	SY815 880	SY835 876	2.8	38	88.4 A	39	2.13 A	39	0.08 A	A →
DORSET FROME	EAST BURTON-D/S WATERBARN BIF	30598007	30598007	30598007	SY835 876	SY8408 8710	1.5	33	88.5 A	34	2.08 A	34	0.08 A	A →
DORSET FROME	U/S WATERBARN BIF-D/S WATERBARN BIF				SY8280 8745	SY841 871	1.0							
DORSET FROME	D/S WATERBARN BIF-WOOL BRIDGE	(30598007)	(30598007)	30511000	SY841 871	SY843 872	0.1	35	88.7 A	36	1.94 A	36	0.08 A	A →
DORSET FROME	WOOL BRIDGE-U/S WOOL BIF	30511000	30511000	30511000	SY843 872	SY851 873	1.0	38	87.4 A	39	1.95 A	39	0.08 A	A ↑
DORSET FROME	U/S WOOL BIF-EAST STOKE (NORTH)	(30511000)	(30511000)	30512000	SY851 873	SY863 868	1.9	36	88.7 A	37	2.09 A	37	0.08 A	A ↑
DORSET FROME	U/S WOOL BIF-EAST STOKE (SOUTH)	30511000	30511000	30511000	SY851 873	SY863 868	2.6	38	87.4 A	39	1.95 A	39	0.08 A	A ↑
DORSET FROME	EAST STOKE-HOLME BRIDGE	30520000	30520000	30520000	SY863 868	SY8905 8670	3.5	85	86.6 A	88	2.70 B	88	0.09 A	B →
DORSET FROME	HOLME BRIDGE-WAREHAM(ESTUARY)	(30520000)	(30520000)	30515000	SY8905 8670	SY922 869	4.5	68	87.9 A	72	2.41 A	72	0.09 A	A ↑
TADNOLL BK	BROADMAYNE-CONF WITH EMPPOOL BOTTOM	30576000	30576000	30576000	SY730 866	SY746 875	1.9	31	78.2 B	32	3.18 B	32	0.38 B	B ↑
TADNOLL BK	CONF WITH EMPPOOL BTM-RYCLOSE	30573000	30573000	30573000	SY746 875	SY762 874	2.1	33	92.2 A	34	2.26 A	34	0.34 B	B →
TADNOLL BK	RYCLOSE-MOIGNE COMBE	(30578000)	(30578000)	30574000	SY762 874	SY780 872	1.7	35	90.7 A	36	2.59 B	36	0.25 A	B →
TADNOLL BK	MOIGNE COMBE-CONF WITH DORSET FROME	30578000	30578000	30578000	SY780 872	SY815 880	4.5	33	89.8 A	34	2.82 B	34	0.26 B	B →
EMPOOL BOTTOM	WEST KNIGHTON-CONF WITH TADNOLL BK	(30578000)	(30578000)	30573000	SY733 880	SY746 875	1.6	33	91.6 A	34	2.67 B	34	0.30 B	B →
SOUTH WINTERBOURNE	SOURCE-CONF WITH FROME	30565000	30565000	30565000	SY643 889	SY727 900	13.4	19	84.2 A	20	2.00 A	20	0.06 A	A →
CERNE	CERNE ABBASS-U/S NETHER CERNE FIFA	30554000	30554000	30554000	ST663 018	SY669 989	3.1	36	94.2 A	36	2.08 A	36	0.06 A	A →
CERNE	U/S NETHER CNE FIFA-D/S NETHER CNE FIFA	30556000	30556000	30556000	SY669 989	SY668 986	0.4	35	80.5 A	36	2.66 B	36	0.30 B	B →
CERNE	D/S NETHER CNE FIFA-CONF WITH DST FROME	30558000	30558000	30558000	SY668 986	SY677 919	7.5	37	96.7 A	38	2.24 A	38	0.06 A	A →
SYDLING WTR	UP SYDLING-U/S HUIISH FF	(30540000)	(30540000)	30542000	ST626 015	SY632 989	3.3	35	84.9 A	36	1.94 A	36	0.18 A	A →
SYDLING WTR	U/S HUIISH FF-D/S HUIISH FF	(30543000)	(30543000)	30542000	SY632 989	SY632 984	0.7	35	87.3 A	36	4.33 C	36	0.37 B	C ↑
SYDLING WTR	D/S HUIISH FF-SHEARPLACE HILL	30543000	30543000	30543000	SY632 984	SY633 982	0.7	36	82.1 A	37	9.78 E	37	1.38 D	E →
SYDLING WTR	SHEARPLACE HILL-LOWER MAGISTON	(30544000)	(30544000)	30543000	SY633 982	SY635 961	2.1	28	87.9 A	29	6.64 D	29	0.80 C	D ↓
SYDLING WTR	LOWER MAGISTON-D/S LOWER MAGISTON FF	(30548000)	(30548000)	30549000	SY635 961	SY636 958	0.3	37	95.0 A	38	1.97 A	38	0.04 A	A ↑
SYDLING WTR	D/S LOWER MAGISTON FF-CONF DORSET FROME	30548000	30548000	30548000	SY636 958	SY638 941	2.0	37	93.1 A	38	2.12 A	38	0.04 A	A ↑
HOOKE	U/S HOOKE FIFA-D/S HOOKE FIFA	30531000	30531000	30531000	ST514 009	ST533 006	2.4	36	86.0 A	37	2.86 B	37	0.15 A	B →

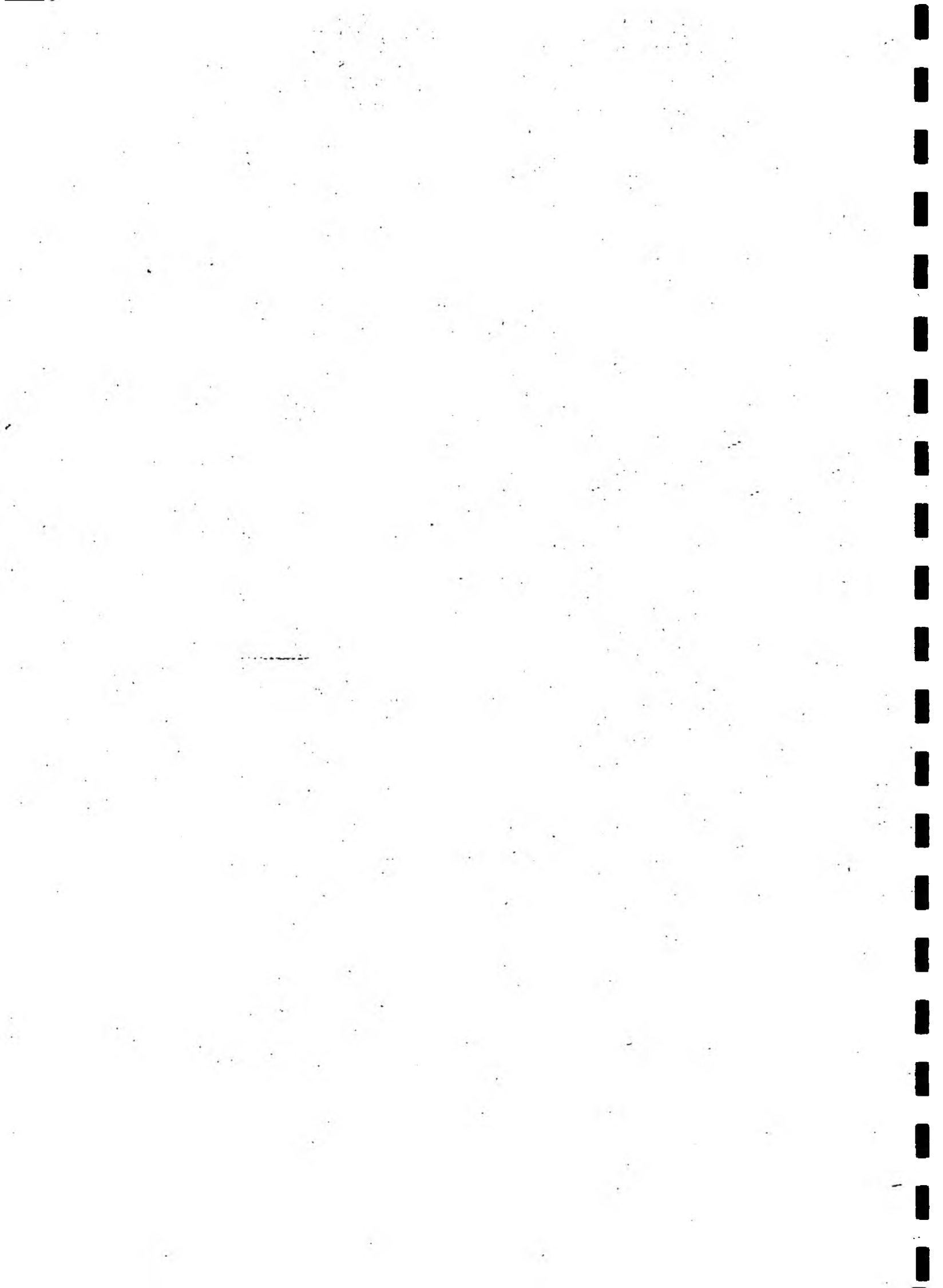
NATIONAL RIVERS AUTHORITY - SOUTH WESSEX AREA  
1994 GENERAL QUALITY ASSESSMENT

V 02/08/95

G - determinand grade : N - number of samples : %ile - percentile : ↑ improvement in GQA grade since 1993 : → same GQA grade as 1993 : ↓ decline in GQA grade since 1993

RIVER	STRETCH	1992 SITE	1993 SITE	1994 SITE	UPSTREAM STRETCH LIMIT	DOWNSTREAM STRETCH LIMIT	LENGTH km	DISSOLVED OXYGEN			BOD			TOTAL AMMONIA			GRADE	
								N	%ile	G	N	%ile	G	N	%ile	G		
HOOKE HOOKE HOOKE HOOKE HOOKE	D/S HOOKE FIFA-HOOKE HOOKE-HIGHER KINGCOMBE HIGHER KINGCOMBE-KINGCOMBE KINGCOMBE-TOLLER TOLLER-CONF WITH DORSET FROME	30534000	30534000	30534000	ST533 006	SY539 999	0.8	36	90.2	A	37	2.36	A	37	0.32	B	B -	
		(30524000)	(30524000)	30538000	SY539 999	SY547 997	0.9	33	90.9	A	34	4.46	C	34	0.66	C	C -	
		(30526000)	(30526000)	30538000	SY547 997	SY556 990	1.2	33	91.3	A	34	4.37	C	34	0.60	B	C -	
		(30535000)	(30535000)	30538000	SY556 990	SY565 979	1.6	36	94.8	A	37	3.63	B	37	0.24	A	B -	
		30538000	30538000	30538000	SY565 979	SY595 977	3.6	37	94.1	A	38	3.80	B	38	0.24	A	B -	
CORFE	BUCKNOWLE HO-ESTUARY	30712000	30712000	30712000	SY945 813	SY969 858	5.5	27	95.1	A	29	2.99	B	29	0.32	B	B -	
WEY WEY WEY WEY WEY	UPWAY-U/S WEY FIFA U/S UPWEY WEY-D/S UPWEY FIFA D/S UPWEY FIFA-CONF WITH PUCKSEY BK CONF WITH PUCKSEY BK-NOTTINGTON NOTTINGTON-ESTUARY	(30700000)	(30700000)		SY660 854	SY663 850	0.4											
		(30705000)	(30705000)		SY663 850	SY664 848	0.4											
		30701000	30701000	30701000	SY664 848	SY666 832	1.9	35	94.4	A	36	2.22	A	36	0.06	A	A -	
		30707000	30707000	30707000	SY666 832	SY662 824	1.2	32	99.2	A	32	3.74	B	32	0.21	A	B -	
		30702000	30702000	30702000	SY662 824	SY670 804	2.9	57	88.7	A	58	3.35	B	58	0.22	A	B -	
BRIDE BRIDE BRIDE BRIDE	D/S LOWER FM-U/S MOD FIFA U/S MODBURY FIFA-D/S MODBURY FIFA D/S MODBURY FIFA-GRASTON GRASTON-SEA	30779000	30779000	30779000	SY562 897	SY520 898	5.0	32	97.0	A	32	3.27	B	32	0.47	B	B -	
		30784000	30784000	30784000	SY520 898	SY515 898	0.7	34	86.8	A	34	3.70	B	34	0.55	B	B -	
		30785000	30785000	30785000	SY515 898	SY505 897	1.0	32	92.3	A	32	3.66	B	32	0.39	B	B -	
		30788000	30788000	30788000	SY505 897	SY477 896	3.3	32	97.2	A	32	4.68	C	32	0.28	B	C -	
LITTON CHENEY STR	LITTON CHENEY-CONF WITH BRIDE	30779000	30779000	30779000	SY551 906	SY547 897	1.0	32	97.0	A	32	3.27	B	32	0.47	B	B -	
BRIT BRIT BRIT BRIT	BEAMINSTER-KNOWLE FM KNOWLE FM-OXBRIDGE OXBRIDGE-CONF WITH SIMENE CONF WITH SIMENE-WEST BAY(ESTUARY)	(30752000)	(30752000)		ST480 011	ST478 008	0.4											
		30755000	30755000	30755000	ST478 008	SY476 976	3.9	28	99.4	A	28	1.97	A	28	0.14	A	A -	
		30754000	30754000	30754000	SY476 976	SY463 927	6.3	35	90.6	A	36	2.85	B	36	0.15	A	B -	
		30756000	30756000	30756000	SY463 927	SY463 908	3.2	37	93.0	A	38	2.97	B	38	0.31	B	B -	
ASKER	SOURCE-CONF WITH BRIT	30776000	30776000	30776000	ST524 003	SY465 923	10.9	38	93.4	A	39	2.47	A	39	0.13	A	A ↑	
CHAR CHAR CHAR CHAR	MONKWOOD-BLUNTSWAY BLUNTSWAY-D/S CARDS MILL FM D/S CARDS MILL FM-CHARMOUTH STW CHARMOUTH STW-SEA	(30730001)	(30730001)		SY429 987	SY417 974	3.1											
		(30733000)	(30733000)		SY417 974	SY393 960	3.5											
		30735000	30735000	30735000	SY393 960	SY369 936	4.1	29	84.9	A	30	4.16	C	30	0.91	C	C -	
		30738000	30738000	30738000	SY369 936	SY365 930	0.7	33	92.9	A	34	2.87	B	34	0.46	B	B -	
WOOTTON FITZPAINE	SOURCE-CONF WITH CHAR			30734000	SY353 985	SY369 935	6.1	11	105.3	A	11	2.83	B	11	0.07	A	B	





**TABLE 4: SAMPLING POINT DETAILS**

SAMPLING POINT DETAILS : 1992-1994 GQA SITES IN SOUTH WESSEX AREA

SITE CODE	RIVER	LOCATION	GRID REFERENCE
30045000	HAMP AVON (EASTERN)	SWAN BRIDGE PEWSEY	SU 163 597
30046000	HAMP AVON (EASTERN)	SHARCOTT	SU 152 593
30049000	WOODBOROUGH STR	NORTH NEWNTON	SU 129 576
30053000	HAMP AVON (WESTERN)	ETCH WATER ROAD BRIDGE	SU 065 607
30057000	KENNET AND AVON CANAL	WOOTTON RIVERS	SU 199 628
30061000	KENNET AND AVON CANAL	HORTON BRIDGE	SU 039 632
30083000	HAMP AVON (EASTERN)	MANNINGFORD FISH FARM INLET	SU 132 578
30088000	HAMP AVON (EASTERN)	UPAVON	SU 133 560
30090000	DEANE WTR	KNOWLE	SU 162 605
30097000	DEANE WTR	BELOW AVON SPRINGS	SU 175 616
30098000	HAMP AVON (WESTERN)	UPAVON	SU 133 559
30102000	HAMP AVON	A3082 BRIDGE BULFORD	SU 164 437
30104000	HAMP AVON	ABOVE NETHERAVON STW	SU 150 485
30105000	HAMP AVON	BELOW NETHERAVON STW	SU 155 479
30106000	HAMP AVON	AVON BRIDGE	SU 129 330
30107000	HAMP AVON	AMESBURY	SU 149 410
30108000	HAMP AVON	EAST HARNHAM	SU 146 291
30113000	HAMP AVON	ABOVE SALISBURY STW	SU 158 287
30114000	HAMP AVON	BELOW SALISBURY STW	SU 162 286
30115000	NINE MILE RIVER	BULFORD	SU 169 438
30122000	WYLYE	LONGB DEVERILL	ST 868 412
30125000	WYLYE	NORTON BAVANT	ST 908 432
30127200	WYLYE	STEEPLE LANGFORD BRIDGE	SU 0373 3706
30128000	WYLYE	SOUTH NEWTON	SU 088 338
30129000	WYLYE	ABOVE WARM STW	ST 874 436
30130000	WYLYE	HENF MARSH	ST 878 438
30133000	WYLYE	BOREHAM BRIDGE	ST 891 441
30134000	WYLYE	BISHOPSTROW MILL	ST 897 439
30146000	TILL	STAPLEFORD	SU 069 370
30159000	BOURNE	LAVERSTOCK	SU 155 302
30178000	SHEAR WATER W/C	CROCKERTON	ST 8641 4237
30181000	ASHFORD WTR	ABOVE FISH FARM	SU 134 142
30188000	WYLYE	BRIXTON DEVERILL	ST 863 388
30194000	HAMP AVON	BELOW BRITFORD FISH FARM	SU 173 275
30202000	HAMP AVON	LONGFORD	SU 172 267
30207200	HAMP AVON	ABOVE DOWNTON STW	SU 175 207
30208000	HAMP AVON	HALE	SU 177 186
30211000	HAMP AVON	FORDINGBRIDGE	SU 149 142
30213300	HAMP AVON	1KM BELOW BICKTON FISH FARM	SU 1475 1170

SAMPLING POINT DETAILS : 1992-1994 GQA SITES IN SOUTH WESSEX AREA

SITE CODE	RIVER	LOCATION	GRID REFERENCE
30214000	HAMP AVON	RINGWOOD	SU 143 052
30215000	HAMP AVON	BELOW FORDINGBRIDGE STW	SU 1458 1289
30216000	HAMP AVON	AVON CAUSEWAY	SZ 1494 9778
30217000	HAMP AVON	IBSLEY	SU 150 095
30218000	HAMP AVON	KNAPP MILL	SZ 155 937
30223000	HAMP AVON	ABOVE RINGWOOD STW	SU 149 036
30224000	HAMP AVON	BELOW RINGWOOD STW	SU 1472 0351
30231000	FONTHILL STR	TISBURY	ST 951 297
30234000	HADDER	WARDOUR	ST 923 273
30235000	HADDER	TISBURY	ST 945 291
30236000	HADDER	UPPER CHICKSGROVE	ST 96380297
30239000	HADDER	WILTON	SU 095 310
30240000	FOVANT BK	ABOVE FOVANT FISH FARM	SU 002 306
30242000	FOVANT BK	BELOW FOVANT FISH FARM	SU 002 306
30245000	WYLYE	QUIDHAMPTON	SU 107 308
30257000	EBBLE	BELOW CHALKE VALLEY	SU 028 247
30258000	EBBLE	LONGFORD	SU 166 264
30263000	EBBLE	BROADCHALKE	SU 041 254
30268000	SEM	WARDOUR	ST 920 272
30288000	SWEATFORD WTR	B3078 BRIDGE FORDINGBRIDGE	SU 146 142
30289000	ASHFORD WTR	FORDINGBRIDGE	SU 146 141
30290000	DITCHEND BK	A338 BRIDGE	SU 151 133
30291000	HUCKLES BK	A338 BRIDGE	SU 152 106
30291100	HUCKLES BK	OGDENS	SU 176 123
30293000	SLEEP BK	LOWER TURNER	SU 129 092
30294000	DOCKENS WTR	A338 BRIDGE	SU 149 071
30295000	LINFORD BK	A338 BRIDGE RINGWOOD	SU 150 062
30298000	RIPLEY BK	SOPLEY	SZ 156 968
30304100	STOUR	BELOW MILTON	ST 797 283
30305000	STOUR	GILLINGHAM	ST 807 259
30306000	STOUR	BELOW GILLINGHAM STW	ST 803 257
30307000	STOUR	ECCLIFFE	ST 798 253
30309000	STOUR	TRILL BRIDGE	ST 790 206
30310000	STOUR	HARNHULL	ST 767 201
30311000	STOUR	KING'S MILL	ST 766 171
30313000	STOUR	STURMINSTER NEWTON	ST 785 136
30316000	STOUR	HAMMOON	ST 820 147
30317000	STOUR	HAYWARDS BRIDGE SHILLINGSTONE	ST 823 120
30319000	STOUR	DURWESTON	ST 864 086

SAMPLING POINT DETAILS : 1992-1994 GQA SITES IN SOUTH WESSEX AREA

SITE CODE	RIVER	LOCATION	GRID REFERENCE
30325000	SHREEN WTR	HUNTINGFORD	ST 812 298
30330200	SHREEN WTR	HINCKES MILL	ST 812 314
30331000	SHREEN WTR	MERE FISH FARM INLET	ST 820 325
30336000	LODDEN	LOWER MERE PARK FARM	ST 843 293
30338000	LODDEN	KINGSCOURT	ST 817 263
30349000	CALE	HAWKERS BRIDGE	ST 709 280
30353000	CALE	ABBAY FORD BRIDGE	ST 736 235
30354000	BOW BK (NTH)	TEMPLECOMBE	ST 731 227
30356000	BOW BK (STH)	HENSTRIDGE	ST 745 213
30358000	CALE	KINGTON MAGNA	ST 758 215
30365000	LYDDEN	CANNINGS COURT FARM	ST 715 078
30366000	LYDDEN	HAZELBURY BRYAN	ST 736 082
30368000	LYDDEN	GAGBER BRIDGE	ST 764 156
30381000	STIRCHELL BK	ABOVE GUY'S MARSH	ST 851 203
30384000	STIRCHELL BK	EAST ORCHARD	ST 835 165
30386000	KEY BK	WEST ORCHARD	ST 824 173
30388000	MANSTON BK	MANSTON	ST 816 152
30393000	STIRCHELL BK	ABOVE GEARS MILL	ST 861 210
30397000	FONTMELL BK	PIPERS MILL	ST 857 170
30398000	FONTMELL BK	MANSTON	ST 825 148
30410000	STOUR	BLANDFORD	ST 884 060
30413000	STOUR	SPETISBURY	ST 919 020
30420000	STOUR	WIMBORNE	SZ 016 992
30422000	STOUR	CANFORD	SZ 046 998
30423000	STOUR	LONGHAM	SZ 065 973
30424000	STOUR	NEW ROAD BRIDGE	SZ 080 971
30425000	STOUR	BELOW KINSON STW REDHILL	SZ 090 961
30430000	STOUR	THROOP	SZ 112 958
30431000	STOUR	BLACKWATER BRIDGE	SZ 133 959
30433000	STOUR	RIVER WAY	SZ 135 946
30437000	STOUR	FORD BRIDGE	SZ 137 937
30438000	STOUR	TUCKTON BRIDGE	SZ 149 922
30443000	CAUNDLE BK	CORNFORD BRIDGE	ST 692 120
30444000	CAUNDLE BK	BLACKMORE FORD BRIDGE	ST 675 096
30448000	CAUNDLE BK	WARR BRIDGE	ST 733 143
30449000	DIVELISH	ROLLS MILL	ST 774 133
30455000	LYDDEN	TWOFORDS BRIDGE	ST 751 138
30468000	IVERNE	STOURPAINE	ST 859 095
30472000	IVERNE	ABOVE FISH FARM IWERNE MINSTER	ST 865 142

SAMPLING POINT DETAILS : 1992-1994 GQA SITES IN SOUTH WESSEX AREA

SITE CODE	RIVER	LOCATION	GRID REFERENCE
30473000	IWERNE	BELOW FISH FARM IWERNE MINSTER	ST 865 142
30474000	NORTH WINTERBOURNE	STURMINSTER MARSHALL	ST 943 997
30478000	TARRANT	TARRANT KEYNESTON	ST 933 045
30484000	ALLEN	BELOW ALLENBROOK	SU 019 108
30485000	ALLEN	WITCHAMPTON	ST 990 061
30489000	ALLEN	WALSFORD	SU 010 007
30491000	CRANE	ROMFORD BRIDGE	SU 075 094
30491300	CRANE	FOTTERNE BRIDGE VERWOOD	SU 0932 0758
30492000	MANNINGTON BK	WEST MOORS	SU 080 021
30492600	MANNINGTON BK	COLMANS CROSSING	SU 0744 0270
30494000	CRANE	A31 ROAD BRIDGE	SU 099 020
30498000	MOORS	HURN BRIDGE	SZ 127 970
30500000	DORSET FROME	ABOVE STW EVERSNOT	SY 5760 0465
30501000	DORSET FROME	BELOW EVERSNOT	ST 578 043
30502000	DORSET FROME	SANDHILLS	ST 586 004
30503000	DORSET FROME	MAIDEN NEWTON	SY 597 977
30504000	DORSET FROME	NOTTON	SY 609 960
30505000	DORSET FROME	BRADFORD PEVERELL	SY 667 926
30506000	DORSET FROME	ABOVE LOUDS MILL	SY 708 903
30507000	DORSET FROME	BOCKHAMPTON	SY 721 905
30509000	DORSET FROME	BALLINGTON	SY 785 910
30510000	DORSET FROME	WINFRITH HEATH	SY 818 877
30511000	DORSET FROME	WOOL BRIDGE	SY 844 872
30512000	DORSET FROME	EAST STOKE	SY 872 870
30513000	DORSET FROME	BELOW GOLDEN SPRINGS	SY 795 905
30515000	DORSET FROME	WAREHAM	SY 923 872
30516000	DORSET FROME	SOUTHOVER	SY 624 949
30517000	DORSET FROME	LEWELL MILL	SY 739 901
30520000	DORSET FROME	HOLME BRIDGE	SY 8905 8670
30521000	DORSET FROME	MORETON FOOTBRIDGE	SY 8055 8955
30524000	HOOKER	ABOVE HIGHER KINGCOMBE PONDS	SY 5473 9971
30526000	HOOKER	BELOW HIGHER KINGCOMBE PONDS	SY 5584 9965
30529000	WRAXALL BK	SANDHILLS	ST 586 004
30531000	HOOKER	ABOVE PIPSFORD SPUR FISH FARM	ST 532 005
30534000	HOOKER	BELOW HOOKER SPRINGS FISH FARM	ST 534 005
30535000	HOOKER	COLLER	SY 564 980
30538000	HOOKER	MAIDEN NEWTON	SY 596 976
30540000	SYDLING WTR	ABOVE HUISS TROUT FARM	SY 633 989
30542000	SYDLING WTR	BELOW HUISS TROUT FARM	SY 632 985

SAMPLING POINT DETAILS : 1992-1994 GQA SITES IN SOUTH WESSEX AREA

SITE CODE	RIVER	LOCATION	GRID REFERENCE
30543000	SYDLING WTR	BELOW SYDLING ST NICHOLAS STW	SY 632 983
30544000	SYDLING WTR	ABOVE LOWER MAGISTON FISH FARM	SY 636 962
30548000	SYDLING WTR	GRIMSTONE	SY 639 948
30549000	SYDLING WTR	BELOW LOWER MAGISTON FISH FARM	SY 6362 9590
30554000	CERNE	ABOVE NETHER CERNE FISH FARM	SY 669 990
30556000	CERNE	BELOW NETHER CERNE FISH FARM	SY 668 989
30558000	CERNE	CHARMINSTER	SY 679 927
30565000	SOUTH WINTERBOURNE	CAME	SY 711 889
30568000	SIMENE	ALLINGTON	SY 459 928
30571000	SIMENE	ATRIM BRIDGE	SY 4505 9565
30573000	TADNOLL BK	BELOW WARMWELL TIP	SY 7625 8745
30574000	TADNOLL BK	MILL HOUSE NURSERY	SY 762 874
30576000	TADNOLL BK	BELOW BROADMAYNE STW	SY 7385 8675
30578000	TADNOLL BK	TADNOLL	SY 7925 8700
30598007	DORSET FROME	ABOVE LYTCHETT CONFLUENCE	SY 840 873
30601000	PIDDLE	ALTON PANCRAS	ST 700 024
30604000	PIDDLE	PIDDLEHINTON	SY 715 972
30607000	PIDDLE	PUDDLETOWN	SY 757 947
30609000	PIDDLE	HYDE	SY 865 905
30610000	PIDDLE	TURNERSPUDDLE	SY 830 933
30613000	PIDDLE	BELOW BROCKHILL	SY 839 928
30615000	PIDDLE	WEST MILLS	SY 917 877
30616000	PIDDLE	ABOVE PURBECK	SY 883 886
30618000	PIDDLE	BELOW PURBECK	SY 892 884
30619000	PIDDLE	ABOVE 8 HATCH FISH FARM	SY 8950 8818
30619200	PIDDLE	BELOW 8 HATCH FISH FARM	SY 8933 8812
30623000	DEVILS BK	FRYERS BRIDGE	SY 774 962
30635000	BERE STR	BERE REGIS	SY 843 950
30637000	BERE STR	SNATFORD BRIDGE	SY 856 930
30700000	WEY	UPWEY	SY 661 853
30701000	WEY	BROADWEY	SY 666 835
30702000	WEY	RADIPOLE	SY 664 814
30705000	WEY	BELOW UPWEY TROUT FARM	SY 663 851
30706000	PUCKSEY BK	BROADWEY	SY 665 837
30707000	WEY	NOTTINGTON	SY 661 824
30712000	CORFE	CORFE CASTLE	SY 958 825
30730001	CHAR	STOKE HILL	SY 424 973
30733000	CHAR	MANDVILLE STOKE	SY 4025 9667
30734000	WOOTTON FITZPAINE	FIRE STATION	SY 368 937

SAMPLING POINT DETAILS : 1992-1994 GQA SITES IN SOUTH WESSEX AREA

SITE CODE	RIVER	LOCATION	GRID REFERENCE
30735000	CHAR	WHITCHURCH CANONICORUM	SY 389 955
30738000	CHAR	A35 BRIDGE CHARMOUTH	SY 37 93
30752000	BRIT	BEAMINSTER	ST 479 009
30754000	BRIT	MATFORD BRIDGE	SY 472 949
30755000	BRIT	OXBRIDGE	SY 4745 9770
30756000	BRIT	BRIDPORT	SY 465 922
30776000	ASKER	BRIDPORT	SY 472 929
30779000	BRIDE	CHICKS BRIDGE	SY 5405 8970
30784000	BRIDE	BELOW MODBURY FISH FARM	SY 519 898
30785000	BRIDE	MODBURY	SY 508 898
30788000	BRIDE	BURTON BRADSTOCK	SY 486 894
30792000	SHERFORD	SHERFORD BRIDGE	SY 919 927
30798000	SHERFORD	KING BRIDGE	SY 955 924
30807000	MANGERTON BK	WEST MILTON	SY 501 963