

**ENVIRONMENT AGENCY
NORTH -EAST REGION**

RIVER QUALITY SURVEY

GQA ASSESSMENT 1995

***PART 1
REACH CLASSIFICATION FOR
GQA CHEMISTRY AND BIOLOGY***



FRESHWATER RIVERS AND CANALS

OCTOBER 1996



ENVIRONMENT AGENCY

NATIONAL LIBRARY &
INFORMATION SERVICE

NORTH EAST REGION

Tyneside House, Skinnerburn Road,
Newcastle Business Park,
Newcastle-Upon-Tyne NE4 7AR

ENVIRONMENT AGENCY



065118

GQA ASSESSMENT 1995

NORTHUMBRIA AND YORKSHIRE REGION

To allow the development of a National method of evaluating water quality, the rivers in all the NRA regions of England and Wales have been divided into reaches, which are numbered using a coding system based on the hydrological reference for each river basin. Each classified reach then has a chemistry sample point and a nearby biology sample point assigned to it. The chemistry sample point is monitored for Biochemical Oxygen Demand (BOD), Dissolved Oxygen (DO) and Total Ammonia. Samples of macro invertebrates (bottom living animals) are taken at the biology sample point.

Chemistry grades are reported every year. Three years data (e.g. 1993, 1994 and 1995 data) are combined to calculate the grade for a stretch. It is anticipated that biology grades will only be reported once every five years and that one year's data will be used to assign the grade for a stretch. This report therefore lists results for a national biological monitoring survey carried out in 1995 and the next survey from which results will be reported will take place in the year 2000.

Each regions results are sent to a National Centre where the GQA grades for chemistry and biology are calculated. A National report is produced and each region can then produce more detailed reports on the quality of their own rivers. For Northumbria and Yorkshire Region, the regional report has been divided into two parts:

PART 1: REACH CLASSIFICATION

This report contains a listing of the river reaches within the region, with their start and finish grid reference, approximate length, and the 1990 and 1995 GQA biology and chemistry classification. The reference codes (SPTs) for the biology and chemistry sample points used to classify the reach are also included.

For some stretches of river the sample points used to define the biological or chemical quality of that stretch have been altered during the past three years. For stretches where this is the case the change is denoted by a star (*) on the GQA results sheets either next to the CHEM 95 SPT CODE details (for changes in a given chemical sample point) or next to the BIO 95 SPT CODE details (for changes in a given biology sample point).

PART 2: SAMPLE POINT REPORT

This report contains more detailed information on the summary statistics for each chemical GQA sample point. The sample points are listed in numeric order and the summary statistics from the 1990 and 1995 classification are provided for comparison.

Chemical sample points classifying reaches where there has been no change over the years 1993 to 1995 are listed in numeric order in the main part of the report. Appendix A lists the summary statistics for reaches where there has been a change in the sample point over the last three years. The statistics in this case are on a reach basis and the sample point listed is the one used in 1995.

The combination of chemical and biological quality gives a more complete picture of the overall health of the river than either alone. Invertebrates are sensitive to a range of toxic and organic pollutants, while chemistry GQA is based on the effects of organic pollutants only. A difference between C and B classes can mean that the river is affected by substances such as metals and insecticides which are not included in the chemistry GQA.

THE CHEMISTRY COMPONENT OF THE GQA SCHEME

The basic chemical grade of the GQA Scheme is defined by standards for the concentration of BOD, ammonia and dissolved oxygen. These have been selected because they are indicators of the extent to which waters are affected by wastewater discharges and rural land use run-off containing organic, degradable material. The quality of many of our rivers and canals is affected by such discharges which include effluents from sewage treatment works and industries, and drainage from farms. These three simple determinands are therefore the best overall basic chemical measure of river quality for the purpose of GQA which will apply to all rivers and canals within the classified network.

The use of these three determinands provides some continuity with the NWC system. In the GQA assessment, however, data from three years sampling is used to make the assessment of class. For the 1995 assessment, data from 1993, 1994 and 1995 has been used. The boundaries of each class are given in the table below.

GQA CHEMICAL	GRADING FOR	RIVERS AND	CANALS	
WATER QUALITY	GRADE	DISSOLVED OXYGEN (% SATURATION 10 PERCENTILE)	BIOCHEMICAL OXYGEN DEMAND (BOD) (mg/l) 90 PERCENTILE	AMMONIA (mg/l) 90 PERCENTILE
VERY GOOD	A	80	2.5	0.25
GOOD	B	70	4	0.6
FAIRLY GOOD	C	60	6	1.3
FAIR	D	50	8	2.5
POOR	E	20	15	9
BAD	F	LESS THAN 20	MORE THAN 15	MORE THAN 15
The overall grade assigned to a river or canal reach is determined by the worst of the three grades for the individual determinands				

Adapted from:- *The Quality of Rivers and Canals in Wales (1990 to 1992)* Report of the National Rivers Authority May 1994, Water Quality Series No. 19

THE BIOLOGICAL COMPONENT OF THE GQA SCHEME

This year's GQA document includes grades for the biological quality of the Region's rivers.

The GQA biology scheme is based on macro invertebrate communities (bottom living animals). Five classes exist. A Grade 'a' denotes excellent biological quality and a Grade 'f' bad biological quality. Further details of grades are given below:

Grade a - VERY GOOD

The biology is similar to (or better than) that expected for an average and unpolluted river of this size, type and location. There is a high diversity of Families, usually with several species in each. It is rare to find a dominance of any one Family.

Grade b - GOOD

The biology shows minor differences from Grade 'a' and falls a little short of that expected for an unpolluted river of this size, type and location. There may be a small reduction in the number of Families that are sensitive to pollution, and a moderate increase in the number of individual creatures in the Families that tolerate pollution (like worms and midges). This may indicate the first signs of organic pollution.

Grade c - FAIRLY GOOD

The biology is worse than that expected for an unpolluted river of this size, type and location. Many of the sensitive Families are absent or the number of individual creatures is reduced, and in many cases there is a marked rise in the numbers of individual creatures in the Families that tolerate pollution.

Grade d - FAIR

The biology shows big differences from that expected for an unpolluted river of this size, type and location. Sensitive Families are scarce and contain only small numbers of individual creatures. There may be a range of those Families that tolerate pollution and some of these may have high numbers of individual animals.

Grade e - POOR

The biology is restricted to animals that tolerate pollution with some Families dominant in terms of the numbers of individual creatures. Sensitive Families will be rare or absent.

Grade f - BAD

The biology is limited to a small number of very tolerant families, often only worms, midge larvae, leeches and the water hoglouse. These may be present in very high numbers. Even these may be missing if the pollution is toxic. In the very worst case there may be no life present in the river.

GLOSSARY

REACH INDEX	UNIQUE REFERENCE FOR EACH RIVER REACH
RIVER NAME	MOST COMMONLY USED NAME FOR EACH RIVER
REACH FROM / TO	START/END POINT OF A REACH
NGR	NATIONAL GRID REFERENCE
LENGTH	LENGTH OF REACH IN km
SPT	UNIQUE REFERENCE CODE FOR A CHEMICAL OR BIOLOGICAL SAMPLE POINT USED TO CLASSIFY THAT REACH
DETERMINAND	MEASURED CHEMICAL
GQA	GENERAL QUALITY ASSESSMENT

CONTENTS

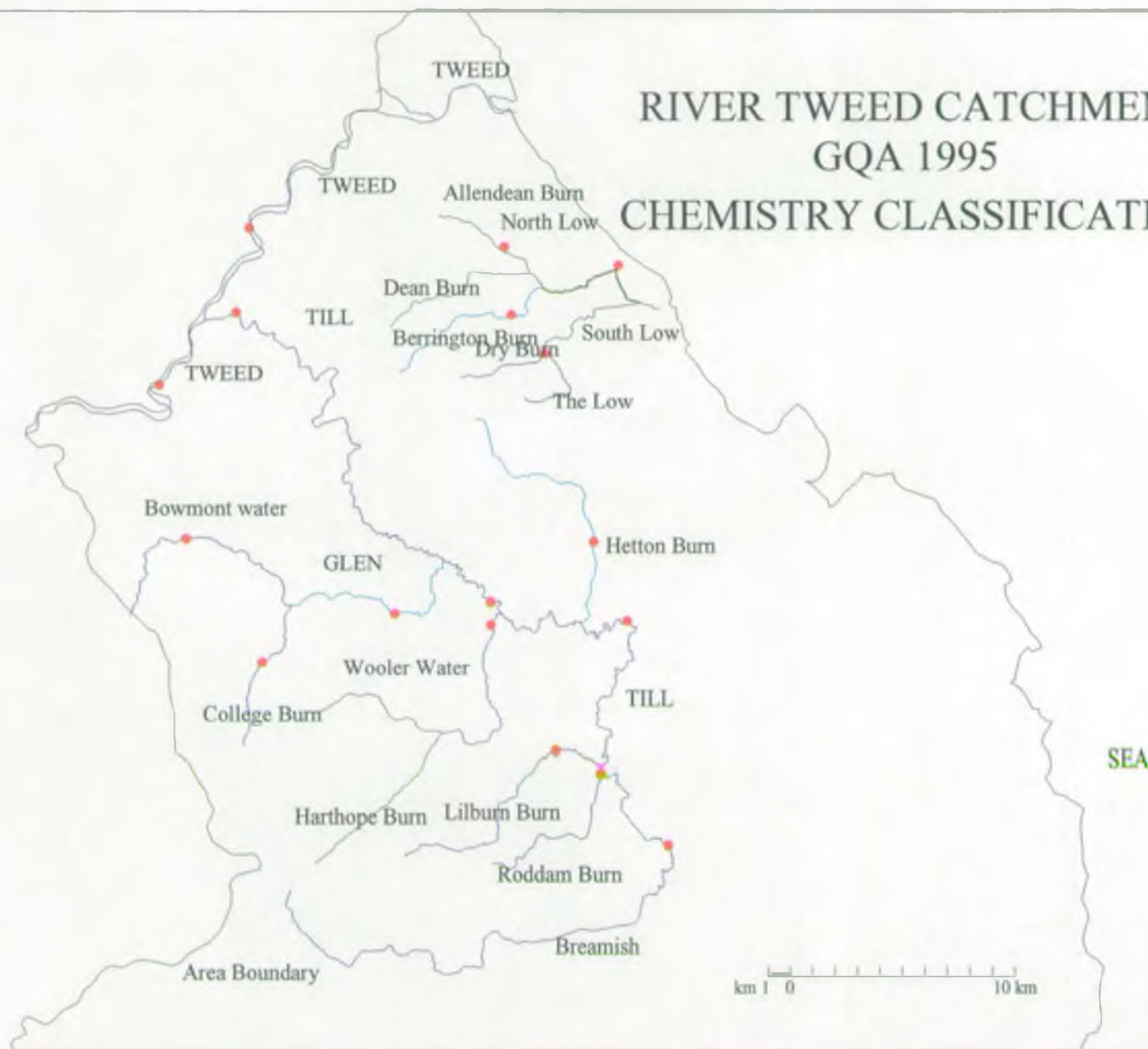
CATCHMENT	PAGE
TWEED, TILL AND RIVERS TO THE NORTH SEA	1
COQUET, TRIBUTARIES AND RIVERS TO THE NORTH SEA	4
NORTH TYNE AND TRIBUTARIES	6
SOUTH TYNE AND TRIBUTARIES	8
DERWENT AND TYNE TRIBUTARIES	9
TYNE AND TRIBUTARIES	11
WEAR TRIBUTARIES	12
WEAR	15
TEES	16
TEES TRIBUTARIES	17
OUSE	23
OUSE TRIBUTARIES	24
URE	28
URE TRIBUTARIES	29
SWALE	32
SWALE TRIBUTARIES	33
NIDD	39
NIDD TRIBUTARIES	40
WHARFE	42
WHARFE TRIBUTARIES	43
DERWENT	46
DERWENT TRIBUTARIES	47
RYE	50
RYE TRIBUTARIES	51
ESK	54
ESK TRIBUTARIES	55
AIRE	58
AIRE TRIBUTARIES	50
WORTH AND TRIBUTARIES	64
CALDER	65
CALDER TRIBUTARIES	67
DON	72
DON TRIBUTARIES	74
ROTHER	77
ROTHER TRIBUTARIES	78
DOE LEA & TRIBUTARIES	80
DEARNE	81
DEARNE TRIBUTARIES	82
WENT AND TRIBUTARIES	84
HULL	85
HULL AND HUMBER TRIBUTARIES	86
CANALS	88

TWEED AND TILL

RIVER TWEED CATCHMENT GQA 1995 CHEMISTRY CLASSIFICATION

GQA CLASSES

- CLASS A
- CLASS B
- CLASS C
- CLASS D
- CLASS E
- CLASS F
- UNCLASSIFIED
- GQA Sample Points



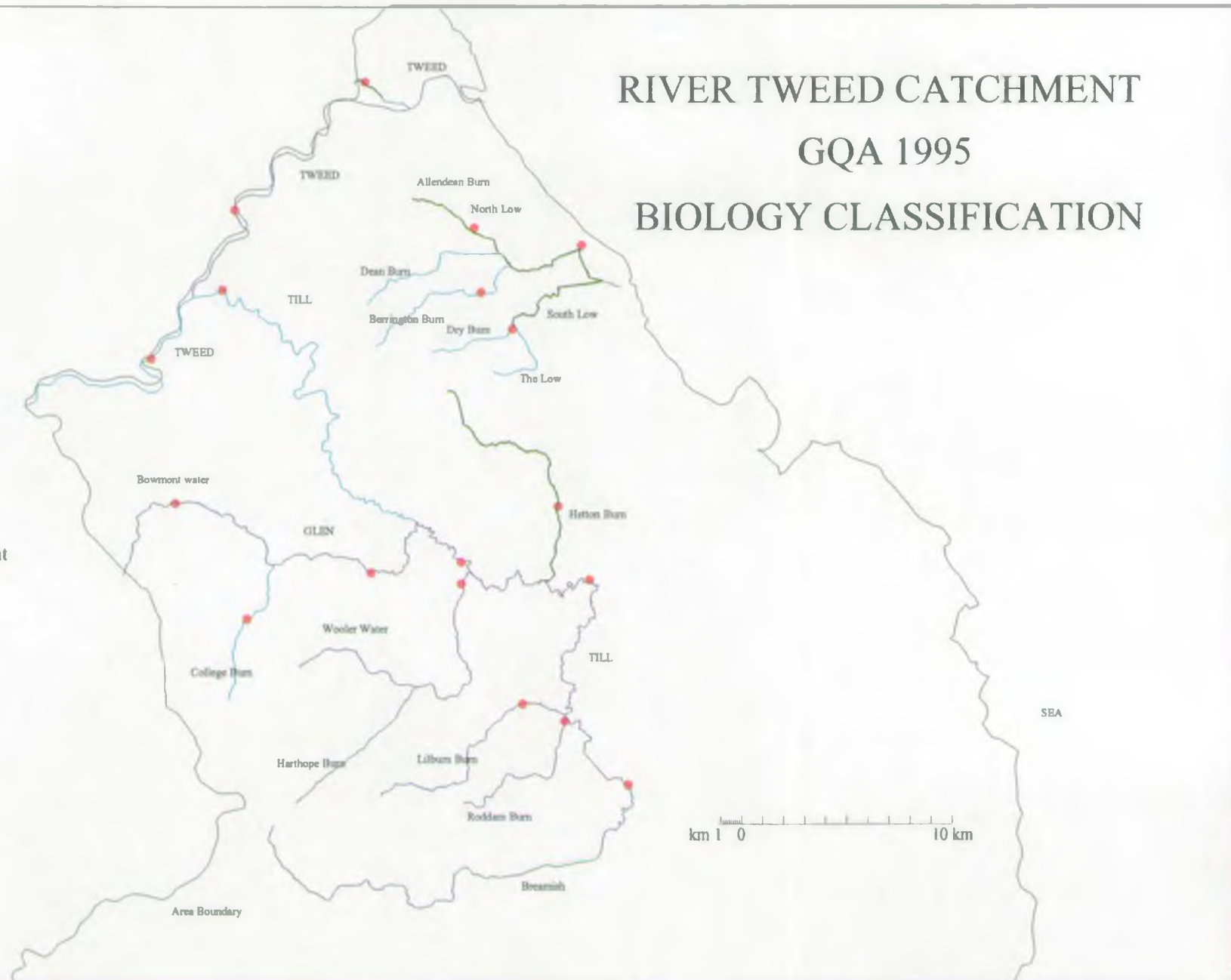
RIVER TWEED CATCHMENT

GQA 1995

BIOLOGY CLASSIFICATION

GQA Classes

- Class a
- Class b
- Class c
- Class d
- Class e
- Class f
- Unclassified
- GQA Sample Point



GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES														
TWEED, TILL AND RIVERS TO THE NORTH SEA														
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1998	1998 BIO SPT Code	* CHEM 1990	CHEM 1998	1998 CHEM SPT CODE	*	
210040000501	DEAN BURN	SOURCE	U0150 4505	NORTH LOW	NT9527 4267	3.4	a	b	2.02					
210040000401	BERRINGTON BURN	SOURCE	U0215 4447	NORTH LOW	NT9575 4071	3.7	a	b	2.021		B	210600QSZ		
210040000301	LOW THE	SOURCE	U0265 3969	LOWICK STW	U0130 395	1.6	d	d	2.023			210177QSS		
210040000301	LOW THE	LOWICK STW	U0272 4100	HUNTING HALL	U0265 398	2	c	c	2.023	C	B	210179QSS		
210040000301	LOW THE	HUNTING HALL	U0224 4167	DRY BURN	U0272 410	0.9	d	d	2.023	C	C	210258QSS		
210040000202	SOUTH LOW	SOURCE	U0224 4167	LOW THE	NT9843 4044	4.1	b	b	2.024	C	A	210211QSS		
210040000201	SOUTH LOW	DRY	U0439 4348	HAGGERSTON CARAVAN PARK	U0224 416	3.6	d	d	2.023	C	C	210258QSS		
210040000201	SOUTH LOW	HAGGERSTON	U0644 4375	TIDAL LIMIT	U0439 434	2.3	e	c	2.022	C	D	210175QSZ		
210040000104	NORTH LOW	SOURCE	U0150 4505	DEAN BURN	NT9752 4754	2.9	c	c	2.019			210173QSS		
210040000103	NORTH LOW	DEAN BURN	U0215 4447	BERRINGTON BURN	U0150 450	1.1	e	c	2.018					
210040000102	NORTH LOW	BERRINGTON BURN	U0644 4375	SOUTH LOW	U0215 444	6	e	c	2.018		C	210409QSS		
210040000101	NORTH LOW	TIDAL LIMIT	U0730 4351	SEA	U0644 437	0.7								
210030002001	RODDAM BURN	SOURCE	U0467 2363	TILL	NT9981 1919	12.2	a	a	2.017		A	210423QSZ		
210030001901	LILBURN BURN	SOURCE	U0469 2374	TILL	NT9597 1992	12.2	a	a	2.016		A	210422QSZ		
210030001801	HETTON BURN	SOURCE	U0376 2988	TILL	NT9906 3859	13.5	e	c	2.015		B	210421QSZ		
210030001701	HARTHOPE BURN	SOURCE	NT9761 2495	WOOLER WATER	NT9189 1964	8	a	a	2.014					
210030001602	WOOLER WATER	SOURCE	NT9761 2495	HARTHOPE BURN	NT9209 2587	6.8	a	a	2.013					
210030001601	WOOLER WATER	HARTHOPE BURN	U0024 3021	TILL	NT9761 2495	8.8	a	a	2.012	B	A	210004QSZ		
210030001501	COLLEGE BURN	SOURCE	NT9093 3058	GLEN	NT8873 2445	7.4	b	b	2.011	B	A	210503QSZ		
210030001402	GLEN	SOURCE	NT9093 3058	COLLEGE BURN	NT8137 2655	10.9	b	a	2.01	B	A	210502QSZ		
210030001401	GLEN	COLLEGE BURN	NT9767 3253	TILL	NT9093 3058	9.5	b	a	2.009	B	B	210003QSZ		
210030001306	TILL	SOURCE	U0467 2363	RODDAM BURN	NT9084 1858	29.8	b	a	2.008	B	A	210005QSZ		
210030001305	TILL	RODDAM BURN	U0469 2374	LILBURN BURN	U0467 236	0.3	b	a	2.007	B	A	210419QSZ		
210030001304	TILL	LILBURN BURN	U0376 2988	HETTON BURN	U0469 237	12.2	b	a	2.007	B	A	210419QSZ		
210030001303	TILL	HETTON BURN	U0024 3021	WOOLER WATER	U0376 298	5.1	b	a	2.006	B	A	210418QSZ		
210030001302	TILL	WOOLER WATER	NT9767 3253	GLEN	U0024 302	5.8	b	a	2.006	B	A	210418QSZ		
210030001301	TILL	GLEN	NT8702 4299	TWEED	NT9767 3253	23.3	c	b	2.004	B	A	210002QSZ		
210030000201	WHITEADDER	TIDAL LIMIT	NT9730 5172	TWEED	NT9604 5221	1.2								
210030000201	WHITEADDER	AREA BOUNDARY	NT9604 5221	TIDAL LIMIT	NT9465 5290	1	c	c						
210030000103	TWEED	AREA BOUNDARY	NT8702 4299	TILL	NT7905 3793	13.8	c	b	2.002	A	A	210416QSZ		
210030000102	TWEED	TIDAL LIMIT	NT9730 5172	WHITEADDER	NT9148 4968	7				A		210001QSZ		
210030000102	TWEED	TILL	NT9148 4968	TIDAL LIMIT	NT8702 4299	13	c	a			A			
210030000101	TWEED	WHITEADDER	U0088 5205	SEA	NT9730 5172	5								
221130000101	WARREN BURN	SOURCE	U1463 3443	SEA	U1000 250	15.2		b			A	210504QSZ		
226120000101	BRIERDENE BURN	SOURCE	NZ3506 7394	SEA	NZ2985 7120	5.8	e	d	2.113	E	E	226038QSZ		
226110000101	SEATON BURN	SOURCE	NZ2586 7348	RAILWAY LINE	NZ2136 7340	12.1			2.112		E	226037QSZ		
226110000101	SEATON BURN	TIDAL LIMIT	NZ3364 7687	SEA	NZ3363 7602	1			2.111			226225QSS		
226110000101	SEATON BURN	RAILWAY LINE	NZ3363 7602	TIDAL LIMIT	NZ2586 7348	2	d	e		F	C	226225QSS		
226100001401	HOW BURN	SOURCE	NZ1374 7985	BLYTH	NZ0354 8009	8.4	b	b	2.11	B	A	226005QSZ		
226100001301	FENWICK BURN	SOURCE	NZ0635 7214	PONT	NZ0268 7417	2.9	c	b	2.109			226099QSU		
226100001201	MED BURN	SOURCE	NZ1303 7143	PONT	NZ0855 6812	3.7	d	c	2.108		C	226325QSZ		
226100001101	SMALL BURN	SOURCE	NZ1567 7430	POLICE HQ STW	NZ0977 7351	6	e	c	2.107					
226100001101	SMALL BURN	POLICE HQ STW	NZ1631 7465	PONT	NZ1567 7430	0.9	e	c	2.107		E	226443QSZ		
226100001001	BLACK HEDDON BURN	SOURCE	NZ0963 7428	COLD COATS BURN	NZ0395 7535	5.8	a	b	2.106					
226100000902	COLD COATS BURN	SOURCE	NZ0963 7428	BLACK HEDDON BURN	NZ0858 7372	1	b	b	2.105					

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES TWEED, TILL AND RIVERS TO THE NORTH SEA													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1996	1996 BIO SPT Code	* CHEM 1990	CHEM 1996	1996 CHEM SPT CODE	*
226100000901	COLD COATS BURN	BLACK HEDDON BURN	NZ1600 7521	PONT	NZ0963 7428	9.2	b	b	2.105		C	226444QSZ	
226100000805	PONT	SOURCE	NZ0635 7214	FENWICK BURN	NY9855 6949	9.7	b	b	2.104	B	B	226442QSZ	
226100000804	PONT	FENWICK BURN	NZ1303 7143	MED BURN	NZ0635 7214	7.7	b	b	2.103	B	B	226442QSZ	
226100000803	PONT	MED BURN	NZ1303 7145	FOX COVERT LANE	NZ1578 7251	3.6	c	b	2.102	C	A	226327QSZ	
226100000803	PONT	FOX COVERT LANE	NZ1659 7300	NZ1659 7300	NZ1578 7254	1.1	b	b	2.102	C	B	226033QSZ	
226100000803	PONT	NZ1659 7300	NZ1631 7465	SMALL BURN	NZ1659 7300	2.2	b	b	2.102	C	B	226242QSZ	
226100000802	PONT	SMALL BURN	NZ1600 7521	COLD COATS BURN	NZ1631 7465	0.8	b	d	2.101	C	C	226031QSZ	
226100000801	PONT	COLD COATS BURN	NZ1783 7769	BLYTH	NZ1600 7521	3.5	b	d	2.101	C	C	226031QSZ	
226100000701	DUDDO BURN	SOURCE	NZ1832 7771	BLYTH	NZ1724 8121	3.7							
226100000601	CATRAW BURN	SOURCE	NZ2126 7847	BLYTH	NZ1763 8181	5	b	c	2.1			226144QSS	
226100000501	PEGWHISTLE BURN TRIB	SOURCE	NZ2306 8050	PEGWHISTLE BURN	NZ2105 8024	1.9	c	b	2.099	E		226393QSS	
226100000402	PEGWHISTLE BURN	SOURCE	NZ2306 8050	TRIB NZ2306 8050	NZ2237 8178	1	c	b	2.099	E			
226100000401	PEGWHISTLE BURN	TRIB NZ2306 8050	NZ2423 7994	BLYTH	NZ2306 8050	1.3	c	b	2.099	E		226394QSS	
226100000301	HEPSCOTT BURN	SOURCE	NZ2161 8391	SLEEK BURN	NZ1776 8292	5.5	d	c	2.098	B	C	226030QSZ	
226100000202	SLEEK BURN	SOURCE	NZ2161 8391	HEPSCOTT BURN	NZ2043 8264	5.8	e	c	2.097	C	D	226029QSZ	
226100000201	SLEEK BURN	HEPSCOTT BURN	NZ2818 8365	TIDAL LIMIT	NZ2161 8391	9.7					D	226029QSZ	
226100000201	SLEEK BURN	TIDAL LIMIT	NZ3007 8277	BLYTH	NZ2818 8365	1.5				C			
226100000107	BLYTH	SOURCE	NZ1374 7985	HOW BURN	NZ0048 7788	13.7	a	b	2.095	C	B	226027QSZ	
226100000106	BLYTH	HOW BURN	NZ1783 7769	PONT	NZ1374 7985	7.7	b	b	2.094	C	B	226027QSZ	
226100000105	BLYTH	PONT	NZ1832 7771	DUDDO BURN	NZ1783 7769	0.6	b	b	2.093	B	B	226026QSZ	
226100000104	BLYTH	DUDDO BURN	NZ2126 7847	CATRAW BURN	NZ1832 7771	4.2	b	b	2.093	B	B	226026QSZ	
226100000103	BLYTH	CATRAW BURN	NZ2423 7994	PEGWHISTLE BURN	NZ2126 7847	4.3	b	b	2.092	B	B	226024QSZ	
226100000102	BLYTH	PEGWHISTLE	NZ2648 7987	EAST HARTFORD STW	NZ2423 7994	3.6	b	b	2.092	B	B	226024QSZ	
226100000102	BLYTH	EAST HARTFORD	NZ2757 8191	TIDAL LIMIT	NZ2648 7987	3.5	e	b	2.091	C	B	226023QSZ	
226100000101	BLYTH	BLYTH	NZ3035 8291	FACTORY POINT NZ 3035 829	NZ2757 8191	3							
226100000101	BLYTH	FACTORY POINT NZ 3035	NZ3276 8035	SEA	NZ3035 8291	3.5							
225090000901	MIDDLETON BURN	SOURCE	NZ0430 8583	SCOTS GAP BURN	NZ0275 8511	2		c	2.09				
225090000901	MIDDLETON BURN	SCOTS GAP	NZ0525 8561	TRIB NZ0525 8561	NZ0430 8583	1		c	2.09			225073QSS	
225090000901	MIDDLETON BURN	TRIB NZ0525 8561	NZ0704 8435	WANSBECK	NZ0525 8561	4.1	c	b	2.09			225368QSS	
225090000801	HART BURN	SOURCE	NZ1089 8504	WANSBECK	NY9710 8857	20.6	a	a	2.089		B	225440QSZ	
225090000701	NEWBIGGIN BURN	SOURCE	NZ0202 9502	FONT	NY9970 9487	2.6			2.088				
225090000601	FALLOWLEES BURN	SOURCE	NZ0331 9356	FONTBURN RESERVOIR	NY9781 9395	8			2.088				
225090000503	FONT	SOURCE	NZ0202 9502	NEWBIGGIN BURN	NY9954 9602	4			2.087				
225090000502	FONT	NEWBIGGIN	NZ0359 9363	FONTBURN RESERVOIR	NZ0202 9502	2.4			2.087		B	225413QSZ	
225090000501	FONT	FONTBURN RESERVOIR	NZ1733 8591	WANSBECK	NZ0359 9363	21.4	a	a	2.086	A	A	225438QSZ	
225090000401	COTTING BURN	SOURCE	NZ1884 8766	NORTHGATE HOSPITAL	NZ1830 8844	1.3		c	2.085		O	225390QSS	
225090000401	COTTING BURN	NORTHGATE HOSPITAL	NZ1962 8622	WANSBECK	NZ1884 8766	2.3	d	d	2.085			225391QSS	
225090000301	HOW BURN	HOW BURN	NZ2016 8962	HEBRON EAST FARM SHEEPWAS	NZ1903 8978	1.3		d	2.084	B		225219QSS	
225090000301	HOW BURN	HEBRON EAST FARM	NZ2087 8672	WANSBECK	NZ2016 8962	3.5	d	d	2.084	B	B	225020QSZ	
225090000201	BOTHAL BURN	SOURCE	NZ2335 8747	PEGSWOOD STW	NZ2236 9160	2.3		c	2.083	C	C	225388QSS	
225090000201	BOTHAL BURN	PEGSWOOD STW	NZ2413 8655	WANSBECK	NZ2335 8747	1.6	d	d	2.083	C	E	225389QSS	
225090000107	WANSBECK	SOURCE	NZ0704 8435	MIDDLETON BURN	NY9136 8296	17.8	a	a	2.082	A	E	225439QSZ	
225090000106	WANSBECK	MIDDLETON BURN	NZ1089 8504	HART BURN	NZ0704 8435	5	a	a	2.081	A	A	225017QSZ	
225090000105	WANSBECK	HART BURN	NZ1733 8591	FONT BURN	NZ1089 8504	9.2	a	a	2.08	A	A	225017QSZ	
225090000104	WANSBECK	FONT BURN	NZ1962 8622	COTTING BURN	NZ1733 8591	3.1	a	a	2.079	A	A	225017QSZ	

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES TWEED, TILL AND RIVERS TO THE NORTH SEA													
REACH	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH	BIO	BIO	1995 BIO	CHEM	CHEM	1995 CHEM	
INDEX						km	1990	1995	SPT Code	1990	1995	SPT CODE	
225090000103	WANSBECK	COTTING BURN	NZ2087 8672	HOW BURN	NZ1962 8622	2.4	b	a	2.078	B	B	225168QSS	
225090000102	WANSBECK	HOW BURN	NZ2068 8638	MORPETH STW	NZ2087 8672	0.5		a	2.077	C	B	225167QSS	
225090000102	WANSBECK	MORPETH STW	NZ2413 8655	BOTHAL BURN	NZ2068 8638	4.2	b	b	2.077	C	B	225169QSS	
225090000101	WANSBECK	BOTHAL BURN	NZ2559 8578	TIDAL LIMIT	NZ2413 8655	2.9					B	225015QSZ	
225090000101	WANSBECK	TIDAL LIMIT	NZ3071 8557	SEA	NZ2559 8578	5				C			
224080000201	HAYDON LETCH	SOURCE	NZ2793 9123	LYNE	NZ2683 8875	2.7	e	c	2.075		B	224436QSZ	
224080000102	LYNE	SOURCE	NZ2345 9261	ULGHAM	NZ1603 9024	11.1	d	c	2.074	D	C	224332QSS	
224080000102	LYNE	ULGHAM	NZ2793 9123	HAYDON LETCH	NZ2345 9261	8	d	c	2.074	D	B	224014QSZ	
224080000101	LYNE	TIDAL LIMIT	NZ3052 9073	SEA	NZ3021 9068	0.5				C			
224080000101	LYNE	HAYDON LETCH	NZ3021 9068	TIDAL LIMIT	NZ2793 9123	1.9					B	224012QSZ	
224070000201	STEADS BURN	SOURCE	NZ2485 9855	CHEVINGTON BURN	NZ2451 9513	3.4	e	d	2.072			224159QSS	
224070000102	CHEVINGTON BURN	SOURCE	NZ2485 9855	STEADS BURN	NZ2242 9958	2.7	c	c	2.071	E	C	224001QSZ	
224070000101	CHEVINGTON BURN	STEADS BURN	NZ2720 9812	TIDAL LIMIT	NZ2485 9855	2.7					C	224001QSZ	
224070000101	CHEVINGTON BURN	TIDAL LIMIT	NZ2725 9812	SEA	NZ2720 9812	0.1				E			
223060001601	USWAY BURN	CLAY BURN	NT8864 0763	COQUET	NT8866 1490	9.2	b	a	2.069				
223060001501	RIDLEES BURN	SOURCE	NT8933 0619	COQUET	NT8320 0485	7.7	a	a	2.068				
223060001401	ALWIN	ALLERHOPE BURN	NT9215 0567	COQUET	NT9195 1001	4.3	b	a	2.067				
223060001301	HOLYSTONE BURN	SOURCE	NT9634 0215	COQUET	NT8999 0050	6.6		a	2.066				
223060001201	GRASSLEES BURN	SOURCE	Y9755 9986	COQUET	NY9472 9422	7.2			2.065				
223060001101	WREIGH BURN	SOURCE	U0291 0193	COQUET	NT9788 1137	13.2	b	b	2.064		A	223432QSZ	
223060001001	FOREST BURN	SOURCE	NZ1014 9937	COQUET	NZ0214 9813	9.8	a	a	2.063			223400QSZ	
223060000901	MILLSTONE BURN	SOURCE	U1310 0357	GATE BURN	U1132 053	2.6	b	a	2.062				
223060000801	SWARLAND FENCE BURN	SOURCE	U1573 0126	SWARLAND BURN	U1298 016	2.3			2.061	F		223331QSS	
223060000703	SWARLAND BURN	SOURCE	U1310 0357	MILLSTONE BURN	U1080 038	2.6	b	a	2.06				
223060000702	SWARLAND BURN	MILLSTONE BURN	U1573 0126	SWARLAND FENCE DENE	U1310 035	5.1	a	a	2.059	B	A	223433QSZ	
223060000701	SWARLAND BURN	SWARLAND FENCE DENE	U1656 0052	COQUET	U1573 012	1.3	b	a	2.058	B	A	223433QSZ	

* = CHANGE IN SAMPLE POINT

COQUET

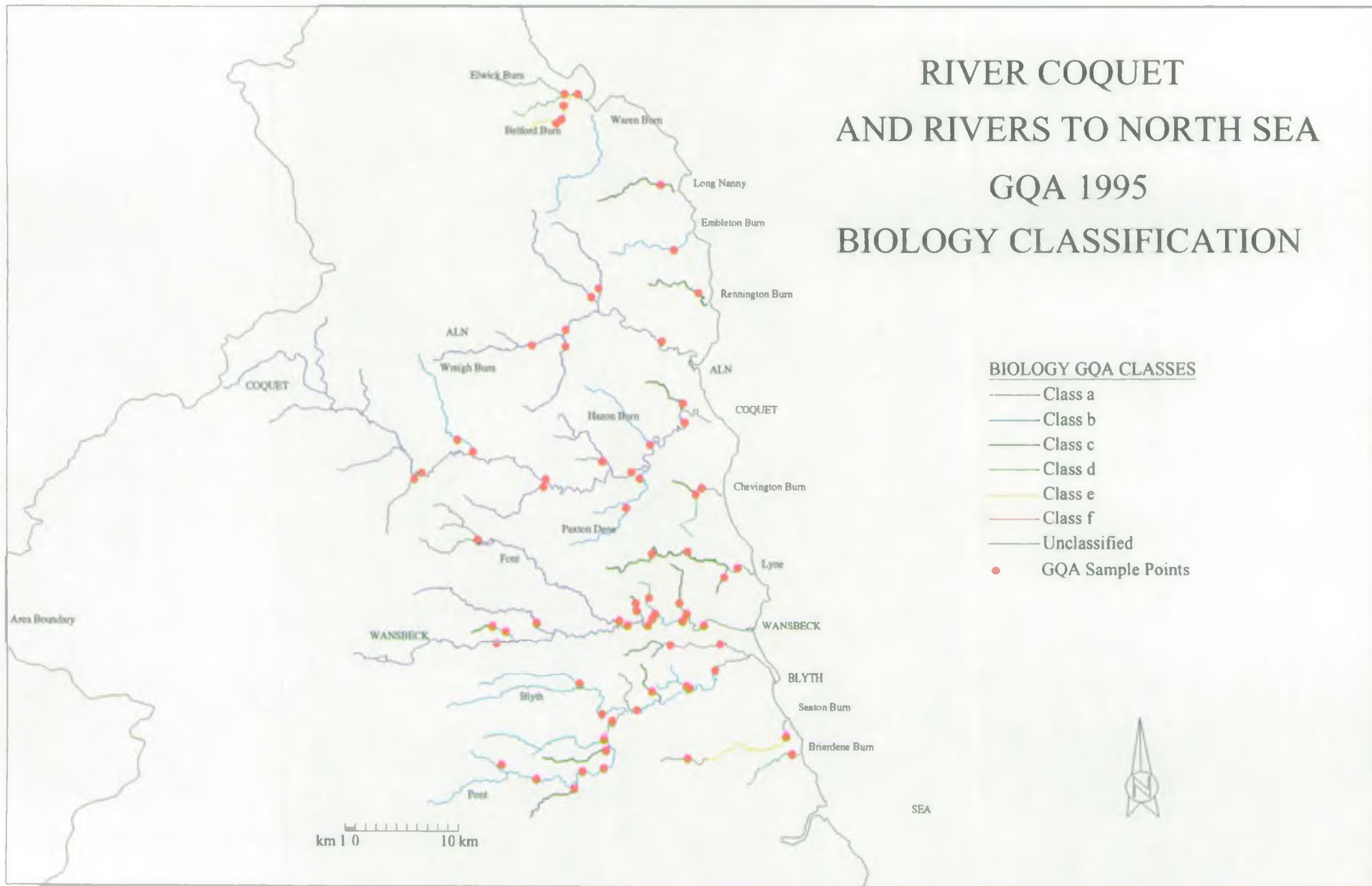
RIVER COQUET AND RIVERS TO NORTH SEA GQA 1995 CHEMISTRY CLASSIFICATION



CHEMISTRY GQA CLASSES

- CLASS A
- CLASS B
- CLASS C
- CLASS D
- CLASS E
- CLASS F
- UNCLASSIFIED
- GQA Sample Points

RIVER COQUET AND RIVERS TO NORTH SEA GQA 1995 BIOLOGY CLASSIFICATION



BQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES COQUET AND RIVERS TO THE NORTH SEA													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1998 BIO SPT Code	CHEM 1990	CHEM 1995	1998 CHEM SPT CODE	*
223060000601	BYWELL LETCH	SOURCE	NZ1772 9726	PAXTON DENE BURN	NZ1472 9650	2.6	d	b	2.057				
223060000502	LONGDIKE BURN	SOURCE	NZ1772 9726	BYWATER LETCH	NZ1255 9323	3.2	c	b	2.058	B	A	223383QSS	
223060000501	LONGDIKE BURN	PAXTON DENE BURN	U2018 0074	COQUET	NZ1772 9726	11.6	d	b	2.055	B	B	223434QSZ	
223060000301	HAZON BURN	SOURCE	U1736 0658	A1	U1384 085	3.9	b	b	2.053				
223060000301	HAZON BURN	A1	U1769 0576	WHITTLE COLLIERY	U1736 065	2	b	b	2.053				
223060000301	HAZON BURN	WHITTLE COLLIERY	U1854 0468	NU1854 0468	U1769 057	1	c	b	2.053				
223060000301	HAZON BURN	NU1854 0468	U2033 0297	COQUET	U1854 046	2.5	b	b	2.052	A	A	223009QSZ	
223060000201	TYELAW BURN	SOURCE	U2337 0625	COQUET	U1979 087	4	d	c	2.051	B	B	223008QSZ	
223060000113	COQUET	SOURCE	NT8864 0763	USWAY BURN	NT7870 0821	15	b	a	2.05	B	A	223253QSS	
223060000112	COQUET	USWAY BURN	NT8933 0619	RIDLEES BURN	NT8864 0763	2.3	b	a	2.05	B	A	223253QSS	
223060000111	COQUET	RIDLEES BURN	NT9215 0567	ALWIN	NT8933 0619	3.5	c	a	2.049	A	A	223253QSS	
223060000110	COQUET	ALWIN	NT9634 0215	HOLYSTONE BURN	NT9215 0567	6.1	b	a	2.048	B	A	223253QSS	
223060000109	COQUET	HOLYSTONE	Y9755 9986	GRASSLEES BURN	NT9634 0215	3.7	a	a	2.047	B	A	223254QSS	
223060000108	COQUET	GRASSLEES BURN	U0291 0193	WREIGH BURN	NY9755 9986	7.9	a	a	2.046	B	A	223254QSS	
223060000107	COQUET	WREIGH BURN	NZ1014 9937	FOREST BURN	U0291 019	9.3	b	a	2.045	B	A	223005QSZ	
223060000106	COQUET	FOREST BURN	U1656 0052	SWARLAND BURN	NZ1014 9937	11.4	a	a	2.044	B	A	223431QSZ	
223060000105	COQUET	SWARLAND BURN	U2018 0074	LONGDIKE BURN	U1656 005	4.8	a	a	2.043	B	A	223431QSZ	
223060000104	COQUET	LONGDIKE BURN	U2030 0270	MERE BURN	U2018 007	3.8	a	a	2.042	B	B	223003QSZ	
223060000103	COQUET	MERE BURN	U2033 0297	HAZON BURN	U2030 027	0.3	b	a	2.041	B	B	223003QSZ	
223060000102	COQUET	HAZON BURN	U2337 0625	TYELAW BURN	U2033 029	10	b	a	2.041	B	B	223003QSZ	
223060000101	COQUET	TYELAW BURN	U2377 0608	TIDAL LIMIT	U2337 062	1					B	223003QSZ	
223060000101	COQUET	TIDAL LIMIT	U2734 0513	SEA	U2377 060	5				B			
222050000501	GLANTON BURN	SOURCE	U0662 1281	GLANTON STW	U0518 136	1.9			2.039		A	22033QSU	
222050000501	GLANTON BURN	GLANTON STW	U0730 1231	ALN	U0662 128	1			2.039		A	22033QSD	
222050000401	EDLINGHAM BURN	SOURCE	U1175 1316	ALN	U0787 064	10.1	a	a	2.038		A	222429QSZ	
222050000301	EGLINGHAM BURN	SOURCE	U1506 1643	SHIPLEY BURN	U0865 252	7.2	a	a	2.037		A	222428QSZ	
222050000202	SHIPLEY BURN	SOURCE	U1506 1643	EGLINGHAM BURN	U1051 238	10.6	a	a	2.036				
222050000201	SHIPLEY BURN	EGLINGHAM BURN	U1515 1560	ALN	U1506 164	1.1	a	a	2.036		A	222427QSZ	

* = CHANGE IN SAMPLE POINT

SQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES ALN AND RIVERS TO THE NORTH SEA													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1996	1996 BIO SPT Code	CHEM 1990	CHEM 1996	1996 CHEM SPT CODE	
222050000104	ALN	SOURCE	U0730 1231	GLANTON BURN	NT9901 1090	6.4	a	a	2.035	B	B	222002QSZ	
222050000103	ALN	GLANTON BURN	U1175 1316	EDLINGHAM BURN	U0730 123	5	c	a	2.034	B	B	222002QSZ	
222050000102	ALN	EDLINGHAM BURN	U1515 1560	SHIPLEY BURN	U1175 131	4.8	b	a	2.033	B	A	222430QSZ	
222050000101	ALN	SHIPLEY BURN	U2040 1328	ALNWICK STW	U1515 156	7.6	b	a	2.033	B	A	222430QSZ	
222050000101	ALN	TIDAL LIMIT	U2463 1018	SEA	U2382 116	4			2.032			222001QSZ	
222050000101	ALN	ALNWICK STW	U2382 1160	TIDAL LIMIT	U2040 132	6.6				C	B	222001QSZ	
221130000101	WAREN BURN	SOURCE	U1463 3443	SEA	U1000 250	15.2		b			A	210504QSZ	
221040000101	RENNINGTON BURN	SOURCE	U2582 1630	SEA	U2013 181	5.8	c	c	2.031		E	21025QSU	
221030000101	EMBLETON BURN	SOURCE	U2420 2314	SEA	U1630 211	11	c	b	2.03		B	221381QSS	
221020000101	LONG NANNY	SOURCE	U2257 2708	SEA	U1516 261	9.7	b	c	2.029		A	221425QSZ	
221010000301	ELWICK BURN	SOURCE	U1194 3635	ROSS LOW	U0522 378	11.3	c	d	2.028				
221010000201	BELFORD BURN	SOURCE	U1110 3364	SOUTH LODGE	U0768 327	4.4	d	e	2.027	C	B	221378QSS	
221010000201	BELFORD BURN	SOUTH LODGE	U1192 3453	RAILWAY LINE	U1110 336	1.5	c	d	2.027	C	C	221378QSS	
221010000201	BELFORD BURN	RAILWAY LINE	U1255 3641	ROSS LOW	U1192 345	2.3	d	e	2.027	C	B	210008QSZ	
221010000103	ROSS LOW	SOURCE	U1194 3635	ELWICK BURN	U0698 347	6.6	c	d	2.026				
221010000102	ROSS LOW	ELWICK BURN	U1255 3641	BELFORD BURN	U1194 363	0.8	c	d	2.026	C			
221010000101	ROSS LOW	BELFORD BURN	U1353 3508	SEA	U1255 364	1.4	c	c	2.026	C	B	210008QSZ	

* = CHANGE IN SAMPLE POINT

TYNE

RIVER TYNE CATCHMENT
GQA 1995
CHEMISTRY CLASSIFICATION



- CLASS A
 — CLASS B
 — CLASS C
 — CLASS D
 — CLASS E
 — CLASS F
 — UNCLASSIFIED
 • GQA Sample Point



AREA BOUNDARY

RIVER TYNE CATCHMENT
GQA 1995
BIOLOGY CLASS

WATER QUALITY CLASSES

A
 B
 C
 D
 E
 F
 UNCLASSIFIED

Sample Point

km 10 10 km

ASDA BOUNDARY

— CLASS A
 — CLASS B
 — CLASS C
 — CLASS D
 — CLASS E
 — CLASS F
 — UNCLASSIFIED

● GQA Sample Point



A horizontal number line is shown with a starting point labeled '0' and an ending point labeled '10 km'. There are 10 equal segments between 0 and 10 km, each representing 1 km. The segments are marked with vertical tick marks.

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
NORTH TYNE AND TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
231010000123	NORTH TYNE	TYNE SOURCE	Y6448 9036	LEWIS BURN	NY6649 9756	9	a	a	2.126	A	A	231048QSZ	
231010000122	NORTH TYNE	LEWIS BURN	Y7834 8532	TARSET BURN	NY6448 9036	19.3	b	b	2.125	B	A	231045QSZ	
231010000121	NORTH TYNE	TARSET BURN	Y7834 8512	CHIRDON BURN	NY7834 8532	0.1	b	b	2.124	A	A	231042QSZ	
231010000120	NORTH TYNE	CHIRDON BURN	Y8374 8304	HARESHAW BURN	NY7834 8512	6.6	b	b	2.124	A	A	231042QSZ	
231010000119	NORTH TYNE	HARESHAW BURN	Y8600 8200	REDE	NY8374 8304	3	b	b	2.123	A	A	231042QSZ	
231010000118	NORTH TYNE	REDE	Y8524 7874	HAUXTY BURN	NY8600 8200	5.1	a	b	2.122	A	A	231042QSZ	
231010000117	NORTH TYNE	HAUXTY BURN	Y8670 7626	WARKS BURN	NY8524 7874	2.6	b	b	2.121	A	A	231042QSZ	
231010000116	NORTH TYNE	WARKS BURN	Y8868 7412	SIMON BURN	NY8670 7626	3.5	b	a	2.12	A		231359QSZ	
231010000115	NORTH TYNE	SIMON BURN	Y8978 7432	GUNNERTON BURN	NY8868 7412	1.1	b	a	2.12	A		231359QSZ	
231010000114	NORTH TYNE	GUNNERTON	Y9012 7374	TRIB NY901 737	NY8978 7432	0.6	b	a	2.12	A		231359QSZ	
231010000113	NORTH TYNE	TRIB NY901	Y9204 7308	BARRASFORD BURN	NY9012 7374	2.4	b	a	2.12	A		231359QSZ	
231010000112	NORTH TYNE	BARRASFORD BURN	Y9310 7120	ERRING BURN	NY9204 7308	2.1	b	a	2.119	A	A	231041QSZ	
231010000111	NORTH TYNE	ERRING BURN	Y9176 6602	SOUTH TYNE	NY9310 7120	7.1	b	a	2.119	A	A	231041QSZ	
233010000110	NORTH TYNE	NY9192 6594	Y9755 6446	DEVILS WATER	NY9192 6594	7.4	c	a	2.118	B	A	233007QSZ	
231010005201	AKENSHAW BURN	SOURCE	Y6296 8898	LEWIS BURN	NY6190 8938	1.8	b	a	2.206	A	A	231051QSZ	
231010005102	LEWIS BURN	SOURCE	Y6296 8898	AKENSHAW BURN	NY6100 8980	1.2	b	a	2.205	A	A	231051QSZ	
231010005101	LEWIS BURN	AKENSHAW	Y6448 9036	KIELDER RESERVOIR	NY6296 8898	2.1	b	a	2.204	A	A	231051QSZ	
231010005001	TARSET BURN	SOURCE	Y7834 8532	NORTH TYNE	NY7562 9481	12.2	b	a	2.203		A	231373QSZ	
231010004901	CHIRDON BURN	SOURCE	Y7834 8512	NORTH TYNE	NY6552 7954	17.1	a	b	2.202		A	231374QSZ	
231010004801	HARESHAW BURN	SOURCE	Y8374 8304	NORTH TYNE	NY8284 8954	7.4	b	a	2.201		A	231375QSZ	
231010004701	SILLS BURN	SOURCE	Y8290 9868	REDESDALE CAMP STW	NT8231 0184	2.4			2.2				
231010004701	SILLS BURN	REDESDALE CAMP STW	Y8281 9810	REDE	NY8290 9868	1			2.2				
231010004601	DURTREES	SOURCE	Y8621 9489	REDE	NT8900 0147	8			2.199				
231010004501	OTTER BURN	SOURCE	Y8912 9612	OTTERBURN CAMP STW	NY9008 9920	4.1			2.198				
231010004501	OTTER BURN	OTTERBURN CAMP STW	Y8858 9292	REDE	NY8912 9612	6.4	b	b	2.198		B	231378QSZ	
231010004401	ELSDON BURN	SOURCE	Y9352 9286	ELSDON MINEWATER	NY9776 9315	7.4			2.197			231162QSS	
231010004401	ELSDON BURN	LSDON MINEWATER	Y9110 9212	NY9110 9212	NY9352 9286	3	c	b	2.197		B	231163QSS	
231010004401	ELSDON BURN	NY9110 9212	Y9036 9110	REDE	NY9110 9212	1	b	b	2.196			231164QSS	
231010004301	CHESTERHOPE BURN	SOURCE	Y8882 8621	REDE	NY9150 8415	2.7	c	b	2.195				

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES REDE AND OTHER NORTH TYNE AND TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* 1990	CHEM 1995	CHEM 1995	1995 CHEM SPT CODE
231010004206	REDE	SOURCE	Y8281 9804	SILLS BURN	NT6932 0658	15.5	b	a	2.194		A	A	231376QSZ
231010004205	REDE	SILLS BURN	Y8616 9486	DURTREES BURN	NY8281 9804	5.5	b	b	2.193			A	231377QSZ
231010004204	REDE	DURTREES BURN	Y8858 9292	OTTER BURN	NY8616 9486	4	b	b	2.192		A	A	231377QSZ
231010004203	REDE	OTTER BURN	Y9036 9110	ELSDON BURN	NY8858 9292	3.1	c	b	2.191		A	A	231377QSZ
231010004202	REDE	ELSDON BURN	Y8882 8621	CHESTERHOPE BURN	NY9036 9110	7.1	b	a	2.19		A	A	231380QSZ
231010004201	REDE	CHESTERHOPE BURN	Y8600 8200	NORTH TYNE	NY8882 8621	4.2	b	a	2.189		A	A	231380QSZ
231010004101	HOXTEY BURN	SOURCE	Y8524 7874	NORTH TYNE	NY7292 7841	16.4	a	a	2.188				
231010004001	WARKS BURN	SOURCE	Y8670 7626	NORTH TYNE	NY7234 7692	13.2	a	a	2.187			A	231381QSZ
231010003901	CROOK BURN	SOURCE	Y8772 7392	SIMON BURN	NY8624 7430	2	c	a					
231010003802	SIMON BURN	SOURCE	Y8772 7392	CROOK BURN	NY7978 7278	10.4	c	a	2.186				
231010003801	SIMON BURN	CROOK BURN	Y8868 7412	NORTH TYNE	NY8772 7392	1.2	b	a	2.185			B	231382QSZ
231010003701	GUNNERTON BURN	SOURCE	Y8978 7432	NORTH TYNE	NY9018 8006	8.1	b	b	2.184			A	231383QSZ
231010003601	NORTH TYNE TRIB	SOURCE	Y9012 7374	NY9012 7374	NY9082 7528	2.1	f	d	2.183			D	231384QSZ
231010003501	BARRASFORD BURN	SOURCE	Y9204 7308	NORTH TYNE	NY9408 7818	6.9	b	a	2.182			A	231385QSZ
231010003401	ERRING BURN	SOURCE	Y9310 7120	NORTH TYNE	NY9678 7572	8	c	a	2.181			A	231386QSZ

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES														
SOUTH TYNE AND TRIBUTARIES														
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE		
232010003301	BLACK BURN (ALSEON)	SOURCE	Y7142 4364	SOUTH TYNE	NY6984 3918	6.8	b	a	2.18		A	232387QSZ		
232010003201	NENT	SOURCE	Y7162 4684	SOUTH TYNE	NY7970 4215	10.3	d	c	2.179	B	A	232078QSZ		
232010003101	BLACK BURN (HALTON)	SOURCE	Y6740 5972	SOUTH TYNE	NY6554 5712	4	b	a	2.178			232341QSS		
232010003001	HARTLEY BURN	SOURCE	Y6714 6086	SOUTH TYNE	NY6021 5772	9.3	b	a	2.177		A	232390QSZ		
232010002901	PARK BURN	SOURCE	Y6838 6212	SOUTH TYNE	NY7236 5770	7.6	b	b	2.176		A	232389QSZ		
232010002801	TIPALT BURN	SOURCE	Y6584 6590	THIRLWELL CASTLE	NY6719 6776	3	b	a	2.175					
232010002801	TIPALT BURN	THIRLWELL CASTLE	Y6986 6318	SOUTH TYNE	NY6584 6590	5.2	d	a	2.174			232143QSS		
232010002701	HALTWHISTLE BURN	SOURCE	Y7748 6446	SOUTH TYNE	NY7934 7142	13.8	b	a	2.173		B	232391QSZ		
232010002601	WEST ALLEN	SOURCE	Y8011 4893	TURNEY CLOUGH	NY7961 4469	5.6	b	a	2.172		A	232151QSS		
232010002601	WEST ALLEN	TURNEY CLEUGH	Y8000 5890	ALLEN	NY8011 4893	9.8	c	a	2.171		B	232153QSS		
232010002502	ALLEN	SOURCE	Y8438 5218	SINDERHOPE	NY8524 4324	6.8	b	b	2.17		B	232342QSS		
232010002502	ALLEN	SINDERHOPE	Y8000 5890	ALLEN	NY8438 5218	10.1	c	b	2.169		C	232343QSS		
232010002501	ALLEN	WEST ALLEN	Y8010 6481	SOUTH TYNE	NY8000 5890	7.1	b	a	2.168	B	A	232061QSZ		
232010002401	NEWBROUGH BURN	NEWBROUGH BURN	Y8654 6840	SETTLINGSTONES MINewater	NY8568 7082	2.5	b	a	2.167					
232010002401	NEWBROUGH BURN	SETTLINGSTONES	Y8720 6790	NEWBROUGH STW	NY8654 6840	0.6	b	a	2.167			232193QSS		
232010002401	NEWBROUGH BURN	NEWBROUGH STW	Y8754 6720	SOUTH TYNE	NY8720 6790	0.8	b	a	2.167			232194QSS		
232010002310	SOUTH TYNE	SOURCE	Y7142 4364	BLACK BURN (ALTON)	NY7620 3550	10.8	a	a	2.166	B	A	232054QSZ		
232010002309	SOUTH TYNE	BLACK BURN (ALTON)	Y7162 4684	NENT	NY7142 4364	3.2	b	a	2.165	A	A	232054QSZ		
232010002308	SOUTH TYNE	NENT	Y6740 5972	BLACK BURN (HALTON)	NY7162 4684	15.7	b	b	2.165	A	A	232388QSZ		
232010002307	SOUTH TYNE	BLACK BURN	Y6714 6086	HARTLEY BURN	NY6740 5972	1	c	b	2.165	A	A	232057QSZ		
232010002306	SOUTH TYNE	HARTLEY BURN	Y6838 6212	PARK BURN	NY6714 6086	2	c	b	2.164	A	A	232057QSZ		
232010002305	SOUTH TYNE	PARK BURN	Y6986 6318	TIPALT BURN	NY6838 6212	2.1	c	b	2.163	A	A	232057QSZ		
232010002304	SOUTH TYNE	TIPALT BURN	Y7168 6368	HALTWHISTLE BURN	NY6986 6318	2.1	c	b	2.162	A	A	232057QSZ		
232010002303	SOUTH TYNE	SOUTH TYNE	Y7748 6446	BARDON MILL MINewater	NY7168 6368	6.8	b	b	2.161	B	A	232057QSZ		
232010002303	SOUTH TYNE	BARDON MILL	Y7960 6472	CROW HALL	NY7748 6446	1.5	d	c	2.16	B	A	232081QSS		
232010002303	SOUTH TYNE	CROW HALL	Y8010 6481	ALLEN	NY7960 6472	0.5	d	c	2.16	B	A	232052QSZ		
232010002302	SOUTH TYNE	ALLEN	Y8754 6720	NEWBROUGH BURN	NY8010 6481	9.6	d	c	2.159	B	A	232052QSZ		
232010002301	SOUTH TYNE	NEWBROUGH BURN	Y9176 6602	NORTH TYNE	NY8754 6720	5.3	c	a	2.158	B	A	232052QSZ		

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
DERWENT AND TYNE TRIBUTARIES													
REACH	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH	BIO	BIO	1995 BIO	* CHEM	CHEM	1995 CHEM	*
						km	1990	1995	SPT Code	1990	1995	SPT CODE	
233010002201	DEVILS WATER	SOURCE	Y9755 6446	TYNE	NY8794 4992	21.7	a	a	2.157			A	233326QSZ
233010002101	MARCH BURN	SOURCE	NZ0195 6175	TYNE	NZ0000 5520	10.5	b	b	2.156			B	233393QSZ
233010002001	STOCKSFIELD BURN	SOURCE	NZ0529 6198	TYNE	NZ0274 5589	8.4	a	a	2.105			A	233394QSZ
233010001901	WELTON BURN	SOURCE	NZ0650 6869	WHITTLE BURN	NZ0393 6861	2.9	b	a	2.153				
233010001802	WHITTLE BURN	SOURCE	NZ0650 6869	WELTON BURN	NZ0300 6948	3.7	b	a	2.154				
233010001801	WHITTLE BURN	WELTON BURN	NZ0747 6700	WHITTLE DENE WTW	NZ0650 6869	2	b	a	2.152	B	A	233395QSZ	
233010001801	WHITTLE BURN	WHITTLE DENE WTW	NZ0840 6342	TYNE	NZ0747 6700	5.1	b	a	2.152	B	A	233395QSZ	
233010001701	BARLOW BURN	SOURCE	NZ1809 6364	TYNE	NZ1353 6069	5.4	e	e	2.151			D	233396QSZ
234010001601	BOLTS BURN	SOURCE	Y9555 4809	NY 9555 4809	NY9372 4553	3.2	b	c	2.15				
234010001601	BOLTS BURN	NY9555 4809	Y9571 4988	DERWENT	NY9555 4809	3.4	b	c	2.15			B	234015QSS
234010001501	BURNHOPE BURN	SOURCE	NZ0134 4966	BURNHOPE BRIDGE	NY9548 4544	7.2	a	a	2.149				
234010001501	BURNHOPE BURN	BURNHOPE BRIDGE	NZ0327 5106	DERWENT	NZ0134 4966	2	a	a	2.149				
234010001401	HORSLEYHOPE BURN	SOURCE	NZ0601 4880	COMB BRIDGES	NZ0094 4581	4.6		a	2.148				
234010001401	HORSLEYHOPE BURN	COMB BRIDGES	NZ0628 4971	DERWENT	NZ0601 4880	1		a	2.148				234368QSS
234010001301	WHARNLEY BURN	SOURCE	NZ0726 4905	CASTLESIDE STW	NZ0845 4779	1.6	b	a	2.147				234301QSS
234010001301	WHARNLEY BURN	CASTLESIDE STW	NZ0744 5005	DERWENT	NZ0726 4905	1	b	a	2.147				234304QSS
234010001201	WALLISHWALLS BURN	SOURCE	NZ0782 5032	DERWENT	NZ0585 5096	2.3		c	2.146		B		234397QSZ
234010001101	HOWDEN BURN	SOURCE	NZ0868 5117	DERWENT	NZ0921 5092	1			2.145				
234010001001	TONGUE BURN	SOURCE	NZ1227 5694	DERWENT	NZ1205 5774	1.3							
234010000901	DIPTON BURN	SOURCE	NZ1463 5619	PONT BURN	NZ1581 5445	2.1	c	b	2.144		A		234103QSS
234010000802	PONT BURN	SOURCE	NZ1351 5344	BILLINGSIDE WOOD	NZ1184 5174	2	c	e	2.143	B	B		234401QSS
234010000802	PONT BURN	BILLINGSIDE WOOD	NZ1395 5443	SOUTH BURN	NZ1351 5344	1	c	e	2.143	B	E		234403QSS
234010000802	PONT BURN	SOUTH BURN	NZ1426 5445	RAMSHAW BURN	NZ1395 5443	0.5	d	c	2.143	B	B		234405QSS
234010000802	PONT BURN	RAMSHAW BURN	NZ1463 5619	DIPTON BURN	NZ1426 5445	2.1	d	c	2.143	B	B		234405QSS
234010000801	PONT BURN	DIPTON BURN	NZ1479 5696	DERWENT	NZ1463 5619	1.1	c	b	2.143	B	B		234405QSS
234010000701	SPEN BURN	SOURCE	NZ1686 5874	DERWENT	NZ1300 5948	6.2			2.142				234703QSS
234010000601	THORNLEY BURN	SOURCE	NZ1700 6066	NZ1700 6066	NZ1669 6108	0.5							234345QSS
234010000601	THORNLEY BURN	NZ1700 6066	NZ1867 6079	DERWENT	NZ1700 6066	1.6							234346QSS

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES				DERWENT AND TYNE TRIBUTARIES											
REACH	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH	BIO	BIO	1995 BIO	CHEM	CHEM	1995 CHEM			
						km	1990	1995	SPT Code	1990	1995	SPT CODE			
234010000511	DERWENT	SOURCE	Y9571 4988	BOLTS BURN	NY8815 4600	8.8	a	a	2.141	B	B	234035QSZ			
234010000510	DERWENT	BOLTS BURN	NZ0327 5106	BURNHOPE BURN	NY9571 4988	9.3	b	a	2.14	B	B	234035QSZ			
234010000509	DERWENT	BURNHOPE	NZ0628 4971	HORSLEYHOPE BURN	NZ0327 5106	5.3	b	a	2.139	B	A	234400QSZ			
234010000508	DERWENT	HORSLEYHOPE	NZ0744 5005	WHARNLEY BURN	NZ0628 4971	1.9	a	a	2.138	B	A	234034QSZ			
234010000507	DERWENT	WHARNLEY	NZ0765 5024	ALLENSFORD BRIDGE	NZ0744 5005	0.4	a	a	2.137	B	A	234034QSZ			
234010000507	DERWENT	ALLENSFORD	NZ0782 5032	WALLISHWALLS BURN	NZ0765 5024	0.2	a	a	2.137	B	A	234034QSZ			
234010000506	DERWENT	WALLISHWALLS	NZ0868 5117	HOWDEN BURN	NZ0782 5032	2.1		b	2.137	B	B	234031QSZ			
234010000505	DERWENT	HOWDEN BURN	NZ0956 5474	CONSETT	NZ0868 5117	3.4	b	b	2.136	B	B	234031QSZ			
234010000505	DERWENT	CONSETT	NZ1227 5694	TONGUE BURN	NZ0956 5474	5	a	a	2.136	B	B	234029QSZ			
234010000504	DERWENT	TONGUE BURN	NZ1479 5696	PONT BURN	NZ1227 5694	3.2	c	a	2.135	B	B	234029QSZ			
234010000503	DERWENT	PONT BURN	NZ1694 5873	SPEN BURN	NZ1479 5696	3.5	c	a	2.135	B	B	234029QSZ			
234010000502	DERWENT	SPEN BURN	NZ1867 6079	THORNLEY BURN	NZ1694 5873	4.2	b	a	2.134	B	B	234027QSZ			
234010000501	DERWENT	THORNLEY BURN	NZ1938 6161	TIDAL LIMIT	NZ1867 6079	1.1					B	234027QSZ			
234010000501	DERWENT	TIDAL LIMIT	NZ2065 6329	TYNE	NZ1938 6161	2				B					
235010000401	TEAM	SOURCE	NZ1969 5530	TANFIELD STW	NZ1758 5246	3.8	e	e	2.132	C	E	235204QSS			
235010000401	TEAM	TANFIELD STW	NZ2380 5452	GREENBURN HOWL	NZ1969 5530	8			2.132	C	D	235208QSS			
235010000401	TEAM	GREENBURN HOWL	NZ2613 5645	ROWLETCBURN	NZ2380 5452	3.5	e	d	2.132	C	C	235097QSS			
235010000401	TEAM	TIDAL LIMIT	NZ2334 6265	TYNE	NZ2394 6153	2.5	f	f			E	235012QSZ			
235010000401	TEAM	ROWLETCBURN	NZ2394 6153	TIDAL LIMIT	NZ2613 5645	4	f	f	2.131	F	E	235012QSZ			
235010000301	OUSE BURN	SOURCE	NZ2100 6995	NZ2100 6995	NZ1764 6849	4.8	e	d	2.13		D	235400QSZ			
235010000301	OUSE BURN	NZ2100 6995	NZ2309 6987	BENT HILL	NZ2100 6995	2	e	e	2.129	E	B	235322QSS			
235010000301	OUSE BURN	TIDAL LIMIT	NZ2645 6413	TYNE	NZ2627 6456	1	e	e			B	235011QSZ			
235010000301	OUSE BURN	BENT HILL	NZ2627 6456	TIDAL LIMIT	NZ2309 6987	6.4	e	e	2.129	E	B	235011QSZ			
235010000201	DON	SOURCE	NZ3008 5973	NZ3008 5973	NZ2870 5936	1.5	d	e	2.128	D	D	235001QSS			
235010000201	DON	NZ3008 5973	NZ3008 5973	STROTHER HOUSE	NZ3235 5972	2.3	d	d	2.128	D	C	235005QSS			
235010000201	DON	STROTHER HOUSE	NZ3335 6461	TIDAL LIMIT	NZ3235 5972	8.1				D	C	235009QSZ			
235010000201	DON	TIDAL LIMIT	NZ3388 6587	TYNE	NZ3335 6461	0.8			2.127			235009QSZ			

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
TYNE AND TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* 1990	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE
233010000109	TYNE	DEVILS WATER	NZ0195 6175	MARCH BURN	NY9755 6446	5.8	a	a	2.117		A	A	233005QSZ
233010000108	TYNE	MARCH BURN	NZ0529 6198	STOCKSFIELD BURN	NZ0195 6175	4	b	a	2.116		A	A	233005QSZ
233010000107	TYNE	STOCKSFIELD	NZ0840 6342	WHITTLE BURN	NZ0529 6198	3.9	b	b	2.115		B	A	233325QSZ
233010000106	TYNE	TIDAL LIMIT	NZ1524 6520	RYTON WILLOWS	NZ1212 6467	2.5					B		
233010000106	TYNE	WHITTLE BURN	NZ0890 6382	PRUDHOE WORKS	NZ0840 6342	0.6						A	233325QSZ
233010000106	TYNE	RYTON WILLOWS	NZ1809 6364	BARLOW BURN	NZ1524 6520	4.6					B		
233010000106	TYNE	PRUDHOE WORKS	NZ1212 6467	TIDAL LIMIT	NZ0890 6382	3.1						B	233001QSZ
233010000105	TYNE	BARLOW BURN	NZ2065 6329	DERWENT	NZ1809 6364	2.9							
233010000104	TYNE	DERWENT	NZ2194 6321	NZ2194 6321	NZ2065 6329	1.2							
235010000104	TYNE	NZ 2194 6321	NZ2335 6279	TEAM	NZ2194 6321	1.3							
235010000103	TYNE	TEAM	NZ2647 6400	OUSE BURN	NZ2335 6279	3.3							
235010000102	TYNE	OUSE BURN	NZ2756 6352	FRIARS GOOSE	NZ2647 6400	1.2							
235010000102	TYNE	FRIARS GOOSE	NZ3388 6603	DON	NZ2756 6352	9							
235010000101	TYNE	DON	NZ3566 6740	ALBERT EDWARD DOCK	NZ3388 6603	2							
235010000101	TYNE	ALBERT EDWARD DOCK	NZ3836 6890	SEA	NZ3566 6740	3.5							

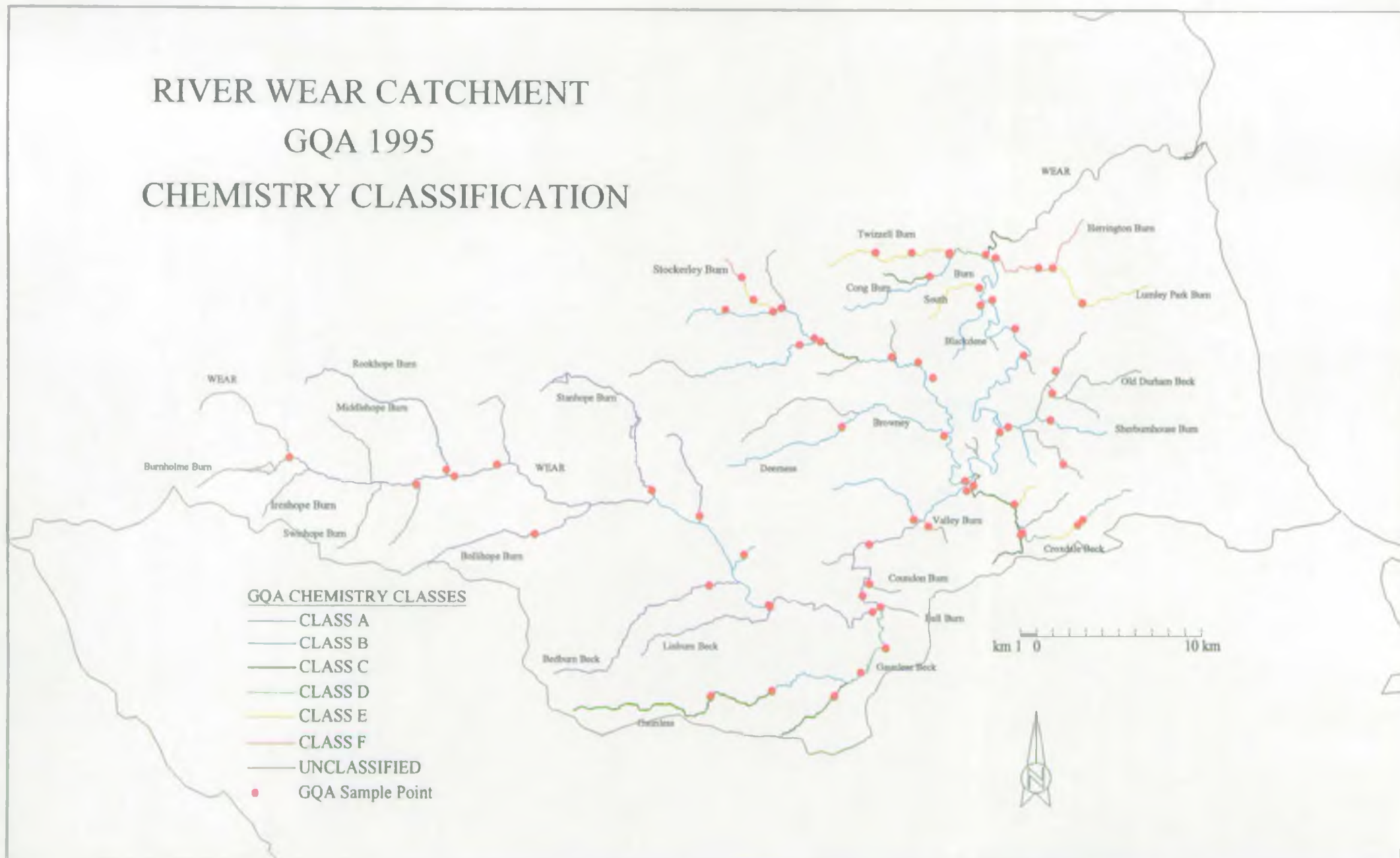
* = CHANGE IN SAMPLE POINT

WEAR

RIVER WEAR CATCHMENT

GQA 1995

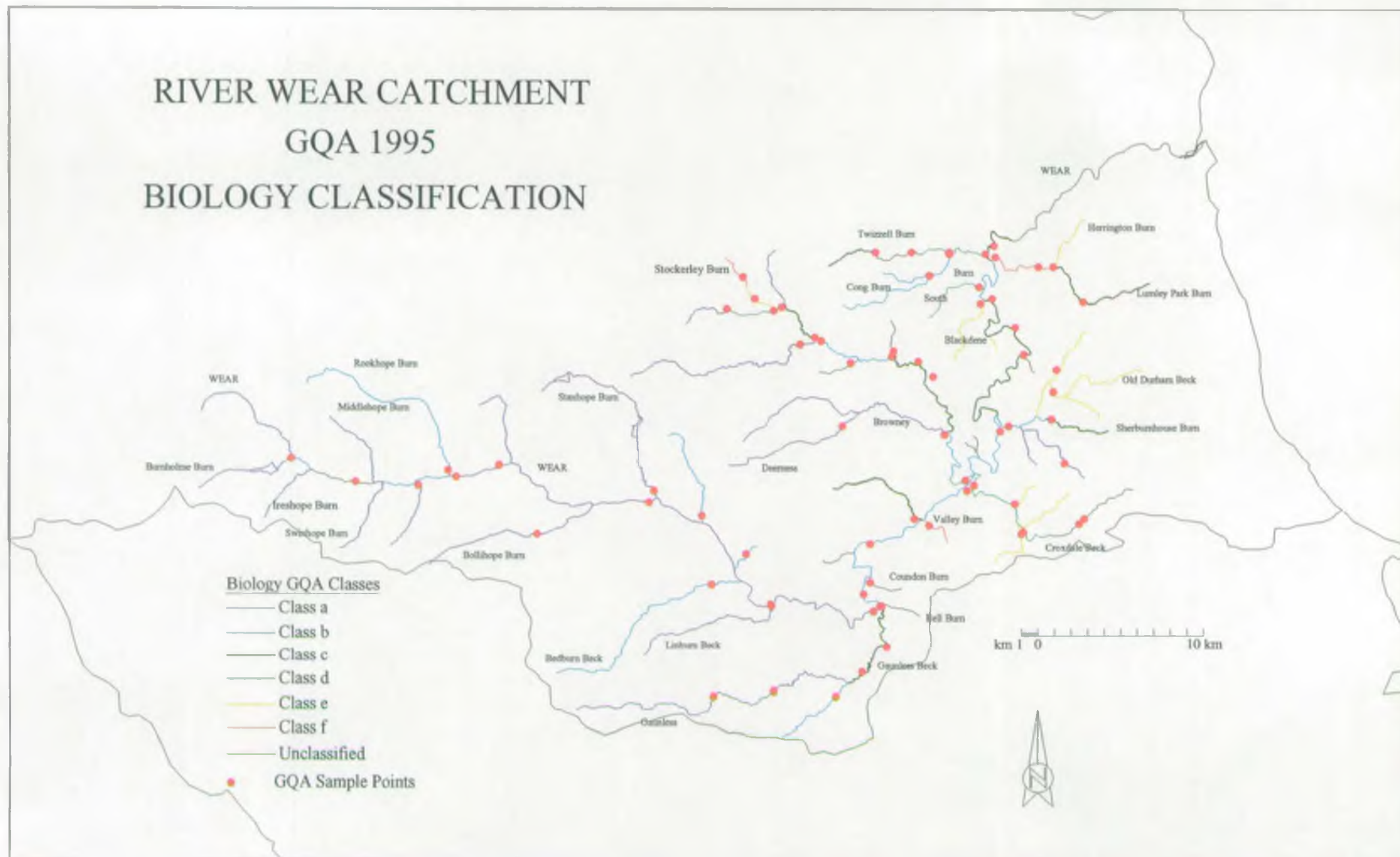
CHEMISTRY CLASSIFICATION



RIVER WEAR CATCHMENT

GQA 1995

BIOLOGY CLASSIFICATION



GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
WEAR TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
241010005101	BURNHOPE BURN	SOURCE	Y8574 3949	KILHOPE BURN	NY8018 3780	4.3	b	a	2.284				
241010005001	KILHOPE BURN	SOURCE	Y8574 3949	BURNHOPE BURN	NY8020 4231	7.7	c	a	2.283				
241010004901	IRESHOPE BURN	SOURCE	Y8688 3880	WEAR	NY8408 3596	4	a	a	2.282				
241010004801	MIDDLEHOPE BURN	SOURCE	Y9075 3803	WEAR	NY8803 4192	6	b	a	2.281				
241010004701	SWINHOPE BURN	SOURCE	Y9126 3805	WEAR	NY8860 3420	5.5	a	a	2.28				
241010004601	WESTERNHOPE BURN	SOURCE	Y9326 3805	WEAR	NY9168 3431	5.3	a	a	2.279			241132QSS	
241010004501	ROOKHOPE BURN	SOURCE	Y8951 4403	GROVE RAKE MINE	NY8661 4382	3	b	b	2.278	A	A	241062QSZ	
241010004501	ROOKHOPE BURN	GROVE RAKE MINE	Y9430 4184	ROOKHOPE STW	NY8951 4403	6	b	b	2.277	A	A	241062QSZ	
241010004501	ROOKHOPE BURN	ROOKHOPE STW	Y9494 3841	WEAR	NY9430 4184	3.8	b	b	2.277	A	A	241062QSZ	
241010004401	STANHOPE BURN	SOURCE	Y8666 4038	CRAWLY SIDE QUARRIES	NY9710 4380	3.2	c	a	2.276				
241010004401	STANHOPE BURN	CRAWLY SIDE QUARRIES	Y9900 3920	WEAR	NY9866 4038	1.5	c	a	2.276		A	241287QSZ	
241010004301	BOLLIHOPE BURN	SOURCE	NZ0781 3716	WEAR	NY9410 3315	11.4	b	a	2.275		A	241285QSZ	
241010004201	WASKERLEY BECK	SOURCE	NZ0781 3716	WEAR	NZ0080 4348	12.4	a	a	2.274		A	241015QSZ	
241010004101	HOUSELOP BECK	SOURCE	NZ1067 3565	WEAR	NZ0854 4085	3.5	b	b	2.273		A	241276QSZ	
241010004001	WADLEY BECK	SOURCE	NZ1264 3289	WEAR	NZ1393 3432	1.8		b			B	241251QSS	
241010003901	BEDBURN BECK	SOURCE	NZ1297 3220	WEAR	NZ0181 2672	14.5	a	b	2.272		A	241277QSZ	
241010003801	LINBURN BECK	SOURCE	NZ1487 3073	WEAR	NZ0704 2776	7.4	a	a	2.271		A	241278QSZ	
242010003701	HUMMER BECK	SOURCE	NZ1950 2612	GAUNLESS	NZ1542 2317	4.2	d	b	2.27	D	C	242253QSS	
242010003601	BOUNDON BURN	SOURCE	NZ2149 3070	GAUNLESS	NZ2390 3014	2.6			2.269				
242010003503	GAUNLESS	SOURCE	NZ0862 2502	COPLEY	NZ0295 2481	4.8	a	a	2.268	B	C	242100QSS	
242010003503	GAUNLESS	COPLEY	NZ1341 2503	LOW LANDS MINE	NZ0862 2502	6	a	a	2.268	B	C	242100QSS	
242010003503	GAUNLESS	LOW LANDS MINE	NZ1499 2577	EVENWOOD	NZ1341 2503	1.5	c	a	2.267	B	C	242101QSS	
242010003503	GAUNLESS	EVENWOOD	NZ1950 2612	HUMMER BECK	NZ1499 2577	6	c	a	2.267	B	B	242058QSZ	
242010003502	GAUNLESS	HUMMER BECK	NZ2192 2834	SOUTH CHURCH	NZ1950 2612	6.4	c	c	2.267	B	D	242104QSS	
242010003502	GAUNLESS	SOUTH CHURCH	NZ2149 3070	BOUNDON BURN	NZ2192 2834	1	d	c	2.266	B	D	242104QSS	
242010003501	GAUNLESS	BOUNDON BURN	NZ2141 3071	WEAR	NZ2149 3070	0.1	d	c	2.265	C	B	243055QSZ	
243010003401	BELL BURN	SOURCE	NZ2090 3211	VINOVIUM MINEWATER	NZ2272 3174	2.4			2.264				
243010003401	BELL BURN	VINOVIUM MINEWATER	NZ2091 3246	WEAR	NZ2090 3211	0.3			2.264			243269QSS	
243010003301	HELMINGTON BURN	SOURCE	NZ1995 3385	WEAR	NZ1808 3343	1.9			2.263				
243010003201	BRANCEPETH BECK	SOURCE	NZ2403 3588	WEAR	NZ1862 3779	6.9	c	c	2.262		B	243279QSZ	
243010003101	VALLEY BURN	SOURCE	NZ2513 3543	TUDHOE STW	NZ2569 3452	1.2	e	f	2.261				
243010003101	VALLEY BURN	TUDHOE STW	NZ2421 3589	WEAR	NZ2513 3543	1.5	e	f	2.261		F	243238QSS	

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
WEAR TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1996	1996 BIO SPT Code	CHEM 1990	CHEM 1996	1996 CHEM SPT CODE	
244010003001	STOCKERLEY BURN	SOURCE	NZ1332 4962	LOW CASTLE DENE	NZ1204 5148	0.9	f	f	2.26	F	F	244241QSS	
244010003001	STOCKERLEY BURN	LOW CASTLE	NZ1520 4830	SMALLHOPE BURN	NZ1332 4962	1.7	f	e	2.26	F	E	244168QSS	
244010002901	NEWHOUSE BURN	SOURCE	NZ1580 4830	SMALLHOPE BURN	NZ1514 5186	3.3	c	a	2.259				
244010002803	SMALLHOPE BURN	SOURCE	NZ1236 4818	KNITSLEY STW	NZ0942 4850	3.1	e	a	2.258	E	B	244187QSS	
244010002803	SMALLHOPE BURN	KNITSLEY STW	NZ1520 4830	STOCKERLEY BURN	NZ1236 4818	2.5	e	d	2.258	E	B	244189QSS	
244010002802	SMALLHOPE BURN	STOCKERLEY	NZ1580 4830	NEWHOUSE BURN	NZ1520 4830	0.6	c	d	2.257	D	B	244188QSS	
244010002801	SMALLHOPE BURN	NEWHOUSE BURN	NZ1755 4650	BROWNEY	NZ1580 4830	3	c	c	2.257	D	B	244054QSZ	
244010002701	BLACKBURN BECK	SOURCE	NZ2034 4529	BROWNEY	NZ1770 4454	3.7			2.256				
244010002601	KAYS BURN	SOURCE	NZ2250 4509	BROWNEY	NZ2219 4759	2.7			2.255				
244010002501	HEDLEYHOPE BURN	SOURCE	NZ2019 4221	DEERNESS	NZ1314 4051	9	a	a	2.254				
244010002402	DEERNESS	SOURCE	NZ2019 4221	HEDLEYHOPE BURN	NZ1226 3908	10.4	a	a	2.253	B	B	244255QSS	
244010002401	DEERNESS	HEDLEYHOPE BURN	NZ2549 4096	BROWNEY	NZ2019 4221	7.5	a	a	2.252	B	B	244043QSZ	
244010002305	BROWNEY	SOURCE	NZ0959 4464	SAWMILL BRIDGE	NZ0626 4525	3.9	a	a	2.251	C			
244010002305	BROWNEY	SAWMILL BRIDGE	NZ1072 4438	ABBAY BURN	NZ0959 4464	1.2	a	a	2.251	C			
244010002305	BROWNEY	ABBAY BURN	NZ1755 4651	SMALLHOPE BURN	NZ1072 4438	9.1	a	a	2.251	C	B	244101QSZ	
244010002304	BROWNEY	SMALLHOPE	NZ2034 4529	BLACKBURN BECK	NZ1755 4651	5.2	b	b	2.25	C	C	244246QSZ	
244010002303	BROWNEY	BLACKBURN BECK	NZ2250 4509	KAYS BURN	NZ2034 4529	2.5	d	b	2.249	D	B	244247QSZ	
244010002302	BROWNEY	KAYS BURN	NZ2549 4096	DEERNESS	NZ2250 4509	7.5	d	c	2.249	D	B	244280QSZ	
244010002301	BROWNEY	DEERNESS	NZ2588 3849	BROWNEY STW	NZ2549 4096	3.6	c	b	2.249	D	B	244036QSZ	
244010002301	BROWNEY	BROWNEY STW	NZ2718 3848	WEAR	NZ2588 3849	2.2	f	d	2.248	D	D	244033QSZ	
243010002201	TURSDALE BECK	SOURCE	NZ3010 3547	CROXDALE BECK	NZ3300 3754	1.9	f	e	2.247				
243010002001	BOWBURN BECK	SOURCE	NZ2970 3682	CROXDALE BECK	NZ3100 3759	2.5	e	e	2.245		E	243084QSS	
243010001904	CROXDALE BECK	SOURCE	NZ3390 3597	KELLOE STW	NZ3668 3766	2.9			2.244	E	D	243077QSS	
243010001904	CROXDALE BECK	KELLOE STW	NZ3181 3492	A1(M)	NZ3390 3597	2			2.244	E	E	243078QSS	
243010001904	CROXDALE BECK	A1(M)	NZ3010 3547	TURSDALE BECK	NZ3181 3492	2.9	e	d	2.244	E	D	243032QSZ	
243010001903	CROXDALE BECK	TURSDALE	NZ2986 3567	EAST HOWLE BECK	NZ3010 3547	0.5	e	d	2.243	E	D	243032QSZ	
243010001902	CROXDALE BECK	EAST HOWLE BECK	NZ2970 3682	BOWBURN BECK	NZ2986 3567	1	e	d	2.243	E	C	243031QSZ	
243010001901	CROXDALE BECK	BOWBURN BECK	NZ2718 3859	WEAR	NZ2970 3682	5.1	e	d	2.242	C	C	243031QSZ	

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES														
WEAR TRIBUTARIES														
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE		
245010001801	SALTWELL GILL TRIB	SOURCE	NZ2736 4014	SALTWELL GILL	NZ2710 4090	1.1						243239QSS		
245010001702	SALTWELL GILL	SOURCE	NZ2736 4014	TRIB NZ2736 4014	NZ2672 4038	0.8								
245010001701	SALTWELL GILL	TRIB NZ 2736 4014	NZ2748 3956	WEAR	NZ2736 4014	0.3						243239QSS		
245010001601	COALFORD BECK	SOURCE	NZ3281 4330	COALFORD BECK	NZ3477 4192	1.3								
245010001601	COALFORD BECK	TRIB NZ3281	NZ3168 4380	PITTINGTON BECK	NZ3281 4330	1.6	d	e	2.241					
245010001502	COALFORD BECK	SOURCE	NZ3281 4330	TRIB NZ3281 4330	NZ3742 4464	5.5	d	e	2.241					
245010001402	PITTINGTON BECK	SOURCE	NZ3168 4380	COALFORD BECK	NZ3409 4700	5.6	d	e	2.24					
245010001401	PITTINGTON BECK	COALFORD	NZ3103 4199	OLD DURHAM BECK	NZ3168 4380	2.1	d	e	2.239			245282QSZ		
245010001301	WHITWELL BECK	SOURCE	NZ3015 4110	CHAPMAN BECK	NZ3100 3917	0.5	a	a			B	245262QSS		
245010001202	CHAPMAN BECK	SOURCE	NZ3015 4110	WHITWELL BECK	NZ3394 3836	5.3	a	a	2.238					
245010001201	CHAPMAN BECK	WHITWELL	NZ2999 4141	OLD DURHAM BECK	NZ3015 4110	0.5	a	a	2.238		B	245262QSS		
245010001103	OLD DURHAM BECK	SOURCE	NZ3161 4181	SHERBURN STW	NZ3638 4112	6.5	c	c	2.237		B	245260QSS		
245010001103	OLD DURHAM BECK	SHERBURN STW	NZ3103 4199	PITTINGTON BECK	NZ3161 4181	0.9	b	b	2.237		D	245261QSS		
245010001102	OLD DURHAM BECK	PITTINGTON BECK	NZ2999 4141	CHAPMAN BECK	NZ3103 4199	1.3	c	b	2.236	B	B	245030QSZ		
245010001101	OLD DURHAM BECK	CHAPMAN BECK	NZ2858 4205	WEAR	NZ2999 4141	1.6	c	b	2.235	B	B	245030QSZ		
245010001001	WEAR TRIB	SOURCE	NZ3054 4511	BELMONT STW	NZ3084 4453	1.6			2.234			245038QSU		
245010001001	WEAR TRIB	BELMONT STW	NZ3021 4565	WEAR	NZ3054 4511	0.5			2.234			245038QSD		
245010000901	REDHOUSE GILL	SOURCE	NZ2820 4669	WEAR	NZ2867 4588	1.1	f	e	2.233					
245010000801	BLACKDENE BURN	SOURCE	NZ2768 4888	WEAR	NZ2588 4536	2.8	f	e	2.233		B	245264QSS		
245010000701	SOUTH BURN	SACRISTON STW	NZ2460 4784	500M D/S SACRISTON STW	NZ2446 4779	0.6	d	d	2.232	C	E	245073QSS		
245010000701	SOUTH BURN	500M D/S SACRISTON STW	NZ2710 4984	CHESTER MOOR MINEWATER	NZ2460 4784	2.5	d	d	2.232	C	E	245073QSS		
245010000701	SOUTH BURN	CHESTER MOOR MINEWATER	NZ2779 4946	WEAR	NZ2710 4984	0.6	d	d	2.232	C	E	245073QSS		
245010000601	HERRINGTON BURN	SOURCE	NZ3216 5097	SEDGELETC STW	NZ3392 5375	3.2	f	e	2.231	F	F	245088QSS		
245010000601	HERRINGTON BURN	SEDGELETC	NZ3197 5082	LUMLEY PARK BURN	NZ3216 5097	0.2	f	e	2.23	F	F	245088QSS		
245010000502	LUMLEY PARK BURN	SOURCE	NZ3197 5082	HERRINGTON BURN	NZ3787 4983	6.4	c	c	2.229	B	E	245089QSS		
245010000501	LUMLEY PARK BURN	HERRINGTON BURN	NZ2991 5086	A1(M)	NZ3197 5082	3	f	f	2.228	F	F	245091QSS		
245010000501	LUMLEY PARK BURN	A1(M)	NZ2824 5124	WEAR	NZ2991 5086	1.5	f	f	2.227	F	F	245020QSZ		
245010000401	HUMBLE BURN	SOURCE	NZ2463 5024	CONG BURN	NZ2148 5044	3.5	d	b	2.226		C	245265QSS		
245010000301	TWIZELL BURN	SOURCE	NZ2130 5154	STANLEY STW	NZ1834 5088	2.7	f	c	2.225	E	E	245093QSS		
245010000301	TWIZELL BURN	STANLEY STW	NZ2403 5160	THE BOTTOMS	NZ2130 5154	3			2.225	E	E	245094QSS		
245010000301	TWIZELL BURN	THE BOTTOMS	NZ2587 5164	CONG BURN	NZ2403 5160	2.8	f	d	2.225	E	E	245096QSS		
245010000203	CONG BURN	SOURCE	NZ2463 5024	HUMBLE BURN	NZ1972 4888	6.3	b	b	2.224	B	B	245097QSS		
245010000202	CONG BURN	HUMBLE BURN	NZ2587 5164	TWIZELL BURN	NZ2463 5024	2.4	b	b	2.223	B	B	245097QSS		
245010000201	CONG BURN	TWIZELL BURN	NZ2797 5158	WEAR	NZ2587 5164	2.5	e	d	2.222	E	D	245019QSZ		

* = CHANGE IN SAMPLE POINT

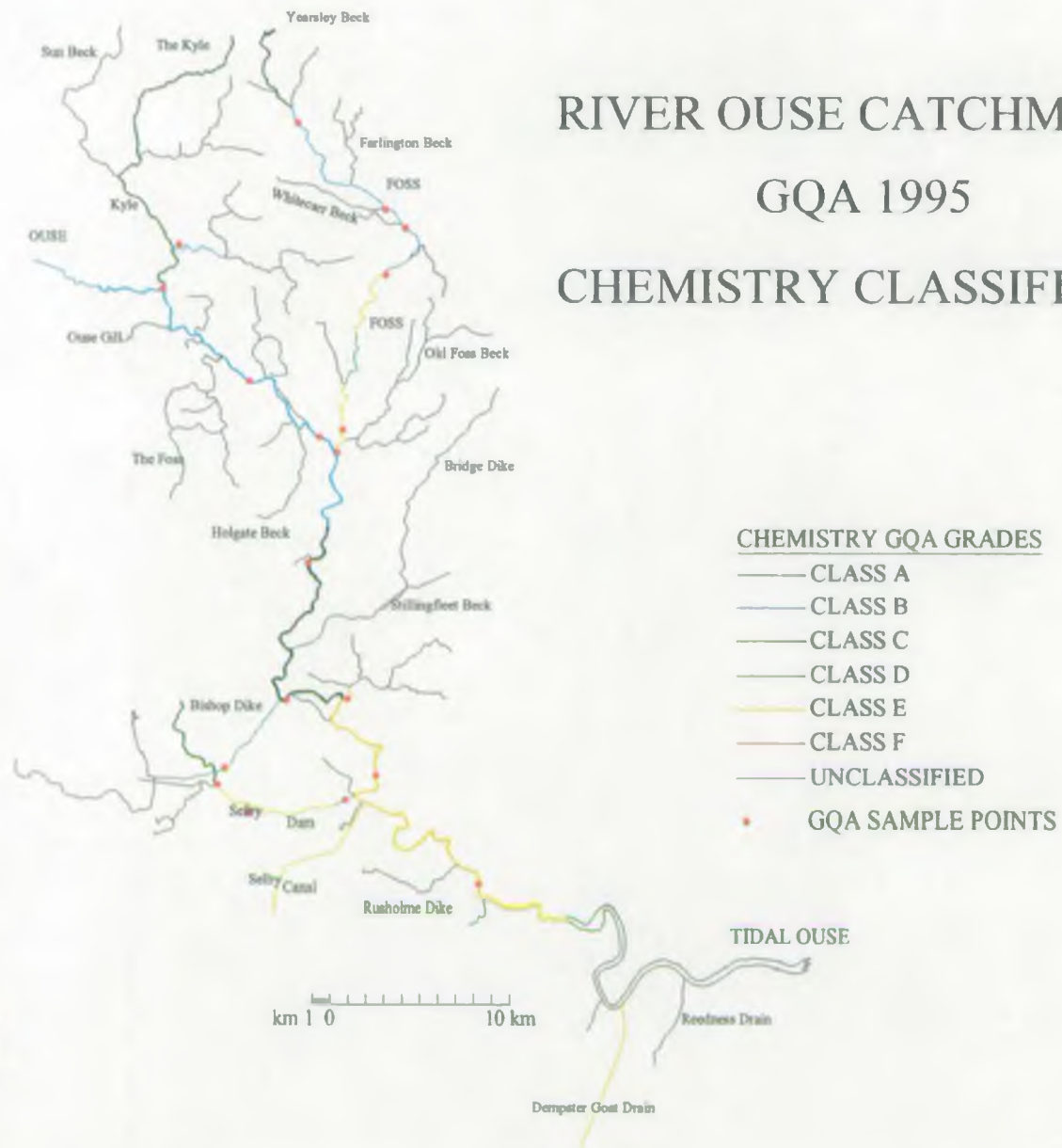
SQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES														
RIVER WEAR														
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1996	1996 BIO SPT Code	* CHEM 1990	CHEM 1996	1996 CHEM SPT CODE	*	
241010000128	WEAR	KILHOPE BURN	Y8688 3880	IRESHOPE BURN	NY8574 3949	1.4	b	b	2.221	B	A	241175QSZ		
241010000127	WEAR	IRESHOPE	Y9075 3803	MIDDLEHOPE BURN	NY8688 3880	4			2.221	B	A	241017QSZ		
241010000126	WEAR	MIDDLEHOPE	Y9126 3805	SWINHOPE BURN	NY9075 3803	0.6			2.22	B	A	241017QSZ		
241010000125	WEAR	SWINHOPE	Y9326 3805	WESTERNHOPE BURN	NY9126 3805	1.8	b	b	2.22	B	A	241017QSZ		
241010000124	WEAR	WESTERNHOPE BURN	Y9494 3841	BLUE CIRCLE CEMENT	NY9328 3807	1.7	b	b	2.22	B	A	241017QSZ		
241010000124	WEAR	BLUE CIRCLE CEMENT	Y9527 3846	ROOKHOPE BURN	NY9494 3841	0.3	b	b	2.22	B	A	241017QSZ		
241010000123	WEAR	ROOKHOPE BURN	Y9900 3920	STANHOPE BECK	NY9527 3846	3.6	b	a	2.22	B	A	241016QSZ		
241010000122	WEAR	STANHOPE BECK	NZ0781 3716	BOLLIHOPE BECK	NY9900 3920	6.3	b	a	2.219	B	A	241015QSZ		
241010000121	WEAR	BOLLIHOPE BECK	NZ0781 3716	WASKERLY BECK	NZ0395 3678	3.9	b	a	2.217	B	A	241015QSZ		
241010000120	WEAR	WASKERLY BECK	NZ1067 3565	HOUSELOP BECK	NZ0781 3716	3.4	a	a	2.217	B	B	241090QSZ		
241010000119	WEAR	HOUSELOP BECK	NZ1297 3220	WADLEY BECK	NZ1067 3565	3.4	a	a	2.216	B	B	241090QSZ		
241010000118	WEAR	WADLEY BECK	NZ1297 3220	BEDBURN BECK	NZ1264 3289	0.7	a	a	2.216	B	B	241090QSZ		
241010000117	WEAR	BEDBURN BECK	NZ1487 3073	LINBURN BECK	NZ1297 3220	3	a	a	2.216	B	B	241090QSZ		
243010000116	WEAR	LINBURN BECK	NZ1820 3090	BEECHBURN BECK	NZ1487 3073	2.5	a	a	2.215	B	A	241013QSZ		
243010000116	WEAR	BEECHBURN BECK	NZ2141 3071	GAUNLESS	NZ1820 3090	6.4	a	a	2.215	B	A	241013QSZ		
243010000115	WEAR	GAUNLESS	NZ2039 3159	VINOVIUM STW	NZ2141 3071	1.6	a	b	2.214	C	A	243090QSZ		
243010000115	WEAR	VINOVIUM STW	NZ2091 3246	BELL BURN	NZ2039 3159	1.4	a	b	2.214	C	A	243010QSZ		
243010000114	WEAR	BELL BURN	NZ1995 3385	HELMINGTON BURN	NZ2091 3246	1	b	b	2.213	D	A	243010QSZ		
243010000113	WEAR	HELMINGTON	NZ2403 3588	BRANCEPETH BECK	NZ1995 3385	5.5	b	b	2.213	D	A	243010QSZ		
243010000112	WEAR	BRANCEPETH BECK	NZ2421 3589	VALLEY BURN	NZ2403 3588	0.1	b	b	2.213	D	B	243009QSZ		
243010000111	WEAR	VALLEY BURN	NZ2718 3848	BROWNEY	NZ2421 3589	4.2	b	b	2.213	D	B	243009QSZ		
245010000110	WEAR	BROWNEY	NZ2718 3859	CROXDALE BECK	NZ2718 3848	0.2	b	b	2.212	D	B	245008QSZ		
245010000109	WEAR	CROXDALE BECK	NZ2858 4205	SALTWELL GILL	NZ2718 3859	1.5	b	b	2.211	D	B	245008QSZ		
245010000108	WEAR	SALTWELL	NZ2858 4205	OLD DURHAM BECK	NZ2748 3956	5	b	b	2.211	D	B	245008QSZ		
245010000107	WEAR	OLD DURHAM	NZ2960 4482	TRIB 2960 4482	NZ2858 4205	7.9	c	c	2.21	C	B	245004QSZ		
245010000106	WEAR	TRIB NZ2960	NZ2820 4669	REDHOUSE GILL	NZ2960 4482	5.2	c	c	2.209	C	B	245004QSZ		
245010000105	WEAR	REDHOUSE	NZ2768 4888	BLACK DENE BURN	NZ2820 4669	4	c	c	2.208	C	B	245004QSZ		
245010000104	WEAR	BLACK DENE BURN	NZ2779 4946	SOUTH BURN	NZ2768 4888	1.1		b	2.208	C	B	245002QSZ		
245010000103	WEAR	SOUTH BURN	NZ2824 5124	LUMLEY PARK BURN	NZ2779 4946	3.5		b	2.208	C	B	245002QSZ		
245010000102	WEAR	LUMLEY PARK BURN	NZ2797 5158	CONG BURN	NZ2824 5124	0.5	c	c	2.207	C	D	245001QSZ		
245010000101	WEAR	TIDAL LIMIT	NZ3484 5674	HYLTON	NZ2944 5244	7.5								
245010000101	WEAR	HYLTON	NZ3964 5742	WEARMOUTH BRIDGE	NZ3484 5674	7								
245010000101	WEAR	CONG BURN	NZ2944 5244	TIDAL LIMIT	NZ2797 5158	3.6	c	c		C	C			
245010000101	WEAR	WEARMOUTH BRIDGE	NZ4112 5835	SEA	NZ3964 5742	1.5	c	c			C	245001QSZ		

* = CHANGE IN SAMPLE POINT

RIVER OUSE CATCHMENT

GQA 1995

CHEMISTRY CLASSIFICATION



BIOLOGY CLASSIFICATION



GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES														
RIVER OUSE														
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*	
271200130A	River Ouse	Source	SE4367061683	River Ure	SE4732460378	4.8		b	10.0237		B	B	2911450	
271200129A	River Ouse	River Ure	SE4732460378	River Kyle	SE5086660049	4.2	a	b	10.0237	*	B	B	2911450	
271200128A	River Ouse	River Kyle	SE5086660049	Mill Syke	SE5122458064	2.4	a	b	10.0237	*	B	B	2911450	
271200127A	River Ouse	Mill Syke	SE5122458064	River Nidd	SE5128157828	0.2	a	b	10.0237	*	B	B	2911450	
271200126A	River Ouse	River Nidd	SE5128157828	Wadeland Dike	SE5270557601	1.6	a	b	10.0237	*	B	B	2911450	
271200125A	River Ouse	Wadeland Dike	SE5270557601	Wood Gutter	SE5306757313	0.6	a	b	10.0237	*	B	B	2911450	
271200124A	River Ouse	Wood Gutter	SE5306757313	The Foss	SE5414656558	1.3	a	b	10.0237	*	B	B	2911450	
271200123A	River Ouse	The Foss	SE5414656558	Hurns Gutter	SE5668655409	3.2	a	b	10.0237	*	B	B	2911450	
271200122A	River Ouse	Hurns Gutter	SE5668655409	Carr Drain	SE5821252965	3.2	a	b	10.0237	*	B	B	2911450	
271200121A	River Ouse	Carr Drain	SE5821252965	Holgate Beck	SE5847852627	0.5	a	b	10.0237	*	B	B	2911450	
271200120A	River Ouse	Holgate Beck	SE5847852627	Rawcliffe Beck	SE5877752849	0.5	a	b	10.0237	*	B	B	2911450	
271200119A	River Ouse	Rawcliffe Beck	SE5877752849	River Foss	SE6048951009	3.5	a	b	10.0919	*	B	B	2911460	
271200118B	River Ouse	River Foss	SE6048951009	Dimple Ditch	SE6002147198	5	a	b	10.0919	*	B	B	2911460	
271200118A	River Ouse	River Foss	SE6002147198	Dimple Ditch	SE5913745517	2.1	d	e	10.0236	*	C	C	2911440	
271200117B	River Ouse	Dimple Ditch	SE5927444542	Naburn Weir	SE5802840482	1.1	d	e	10.0236	*	C	C	2911440	
271200117A	River Ouse	Naburn Weir	SE5927444542	Stillingfleet Beck	SE5802840482	5.5	d	e	10.0236	*	C	C	2911440	
271200116A	River Ouse	Stillingfleet Beck	SE5802840482	River Wharfe	SE5738739050	1.9	d	e	10.0236	*	C	C	2911440	
271200115A	River Ouse	River Wharfe	SE5738739050	Bishop Dike	SE5746637827	1.6	d	f	10.0959	*	C	C	1911260	
271200114A	River Ouse	Bishop Dike	SE5746637827	Riccall Dam	SE6087537823	4.5		f	10.0959		C	C	1911260	
271200113A	River Ouse	Riccall Dam	SE6087537823	Clough Dike	SE6040236761	1.3		f	10.0918		E	E	1911280	
271200112A	River Ouse	Clough Dike	SE6040236761	Selby Dam (Holmes Dike)	SE6159832668	7.1		f	10.0918		E	E	1911280	
271200111A	River Ouse	Selby Dam (Holmes Dike)	SE6159832668	Brayton Drain	SE8206732297	0.6		f	10.0918		E	E	1911280	
271200110A	River Ouse	Brayton Drain	SE8206732297	Selby Canal	SE6222032220	0.2		f	10.0918		F	E	1911280	*
271200109A	River Ouse	Selby Canal	SE6222032220	Lendall Carr Drain	SE6734228868	10		f	10.0958		F	E	1911270	*
271200108A	River Ouse	Lendall Carr Drain	SE6734228868	River Derwent	SE6778628701	0.5		f	10.0958		F	E	1911270	*
271200107A	River Ouse	River Derwent	SE6778628701	Rusholme Dike	SE6880527036	2.3		f	10.0958		E	E	1911270	
271200106A	River Ouse	Rusholme Dike	SE6880527036	River Aire	SE7219126175	3.7		f	10.0958		E	E	1911270	
271200105B	River Ouse	River Aire	SE7219126175	Boothferry Bridge	SE7330026129	1.2					F	E	1911250	
271200105A	River Ouse	Boothferry Bridge	SE7330026129	River Don	SE7515722972	8.5					F		1911250	
271200104A	River Ouse	River Don	SE7515722972	Eamshaws Warping Drain	SE7554422141	1					F		1911250	
271200103A	River Ouse	Eamshaws Warping Drain	SE7554422141	Swinefleet Warping Drain	SE7636322038	1.3					F		1911250	
271200102B	River Ouse	Swinefleet Warping Drain	SE7636322038	Reedness Drain	SE7742923074	1.9					F		1911250	
271200102A	River Ouse	Reedness Drain	SE7742923074	Reedness Drain	SE8007623445	2.9							2911410	
271200101A	River Ouse	Reedness Drain	SE8007623445	River Trent	SE7992023109	7.1							2911410	

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES														
RIVER OUSE TRIBUTARIES														
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1996	1996 BIO SPT Code	CHEM 1990	CHEM 1996	1996 CHEM SPT CODE		
271290501A	Stank Beck	Sand Hutton	SE6913157768	Old Foss Beck	SE6549457285	6								
271248901A	Hawkhills Beck	Little Ings Wood	SE5649967532	Aine Beck	SE5314368094	3.2								
271248801A	Longbridge Beck	Source	SE5466371878	Aine Beck	SE5314368094	4								
271248701A	Dawney Lane Dike	Crankley Lane	SE5186768182	Aine Beck	SE5188267474	1.3								
271248602A	Aine Beck	Conf. of Longbridge and H	SE5314368094	Dawney Lane Dike	SE5188267474	1.9								
271248601A	Aine Beck	Dawney Lane Dike	SE5188267474	River Kyle	SE4959667376	1.9								
271248501B	Derrings/Sun Becks	Thormanby	SE4959667376	River Kyle	SE4735767030	10.8								
271248501A	Derrings/Sun Becks	Thormanby	SE4735767030	River Kyle	SE4843366318	1.3								
271248401A	Blackrein Beck	Moorlands Wood	SE5799058805	New Parks Beck	SE5742161399	4								
271248301B	Eastmoor Beck	Source	SE6148361975	New Parks Beck	SE5992261665	1.6								
271248301A	Eastmoor Beck	Source	SE5992261665	New Parks Beck	SE5742161399	3.2								
271248201A	Alcar Beck	Alcar Farm	SE5634764079	Huby Bum	SE5469864376	2.4								
271248102A	Huby Bum	Source	SE5517366037	Alcar Beck	SE5469864376	1.6								
271248101A	Huby Bum	Alcar Beck	SE5469864376	New Parks Beck	SE5435962003	3.5								
271248002A	New Parks Beck	Conf. Eastmoor & Blackrein	SE5742161399	Huby Bum	SE5435962003	4.8								
271248001A	New Parks Beck	Huby Bum	SE5435962003	River Kyle	SE5143362171	3.4	c	c	10.0216	*	B	2910755	*	
271247904B	River Kyle	Oulston	SE5470674094	Aine Beck	SE5043971156	5.6	c	c	10.0192	*	C	2911280	*	
271247904A	River Kyle	Oulston	SE5043971156	Aine Beck	SE4959667376	4.5	d	c	10.0192	*	C	2911280	*	
271247903A	River Kyle	Aine Beck	SE4959667376	Derrings Beck	SE4843366318	1.8	d	c	10.0192	*	C	2911280	*	
271247902A	River Kyle	Derrings Beck	SE4843366318	New Parks Beck	SE5143362171	4.8	d	c	10.0192	*	C	2911280	*	
271247901A	River Kyle	New Parks Beck	SE5143362171	River Ouse	SE5090360120	3.4	d	c	10.0192		D	C	2911280	
271247801A	Mill Sike	Source	SE4848757557	River Ouse	SE5122458064	3.7								
271243701A	Wadeland Dike	Court House Wood	SE5231759742	River Ouse	SE5268057696	3.9								
271243601A	Wood Gutter	Red House Wood	SE5231556927	River Ouse	SE5306757313	1.6								
271243501A	Smawith Dike	The Foss	SE5143652509	Foss Dike	SE5417152392	3.4								
271243401A	New Dike	Source	SE5187853470	Foss Dike	SE5388454113	2.4								
271243303A	Foss Dike	Source	SE5516749421	Smawith Dike	SE5417152392	3.5								
271243302A	Foss Dike	Smawith Dike	SE5417152392	New Dike	SE5388454113	2.2								
271243301A	Foss Dike	New Dike	SE5388454113	The Foss	SE5328154529	1								

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADIENTS													
RIVER OUSE TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	
271243203A	The Foss/Moor Drain	Chapel Hill	SE5137348675	Smawith Dike	SE5143652509	4.5							
271243202A	The Foss/Moor Drain	Smawith Dike	SE5143652509	Foss Dike	SE5328154529	4.7							
271243201A	The Foss/Moor Drain	Foss Dike	SE5328154529	River Ouse	SE5414656558	5							
271243101A	Burtree Dam	Source	SE5690055600	Hurns Gutter	SE5629257385	4.2							
271243002A	Hurns Gutter	Hall Farm	SE5585960276	Burtree Dam	SE5629257385	3.4							
271243001A	Hurns Gutter	Burtree Dam	SE5629257385	River Ouse	SE5668655409	2.6							
271242901A	Carr Drain	Chapel Field	SE5629951532	River Ouse	SE5814252927	2.9							
271242801B	Holgate Beck	Askham Bogs	SE5609747787	Askham Bryan STW	SE5768048298	2.3							
271242801A	Holgate Beck	Askham Bryan STW	SE5768048298	River Ouse	SE5847152538	4.8							
271242701B	Rawcliffe Beck	Rawcliffe Ings	SE5726454770	River Ouse	SE5800153733	1.9							
271242701A	Rawcliffe Beck	Rawcliffe Ings	SE5800153733	River Ouse	SE5877852919	1							
271242601A	Ellers Beck	Stocking Hall	SE5558071609	River Foss	SE5724370961	1.8							
271242501A	Brandsby Beck	Dale Wood	SE5949773471	River Foss	SE5801170173	4.8							
271242401A	Marton Beck	Thorn Hill	SE6078470657	Farlington Beck	SE6109268336	4.8		a	10.2145				
271242302A	Farlington Beck	Foulrice	SE6190870158	Marton Beck	SE6109268336	2.6							
271242301A	Farlington Beck	Marton Beck	SE6109268336	River Foss	SE6137765918	2.9							
271242201A	Whitecarr Beck	Barley Carr	SE5724968323	River Foss	SE6312264578	7.2							
271242101A	Mill Hill Beck	Whitecarr Ings	SE6181764264	River Foss	SE6413763758	3.2							
271242001A	The Sike	World's End	SE6653959751	River Foss	SE6456461855	5.6							
271241901A	Wigginton Beck	Wigginton	SE5946858387	River Foss	SE6103555000	3.9							
271241801A	Huntington Drain	Greystone Wood	SE6495658528	Tang Hall Beck	SE6386555125	4							
271241701A	Carr Close Beck	Source	SE6560052744	Osballdwick Beck	SE6387551947	2.1							
271241602B	Osballdwick Beck	Rudcarr Gate	SE6637554416	Carr Close Beck	SE6428052460	4.3							
271241602A	Osballdwick Beck	Rudcarr Gate	SE6428052460	Carr Close Beck	SE6387551947	0.5							
271241601B	Osballdwick Beck	Carr Close Beck	SE6387551947	Tang Hall Beck	SE6338651685	0.5							
271241601A	Osballdwick Beck	Carr Close Beck	SE6338651685	Tang Hall Beck	SE6175152075	2.7							
271241503B	Tang Hall Beck/Old Foss B	Strensall Common	SE6563459704	Stank Beck	SE6549457285	3.5							
271241503A	Tang Hall Beck/Old Foss B	Stank Beck	SE6549457285	Huntington Drain	SE6386555125	2.6							
271241502A	Tang Hall Beck/Old Foss B	Huntingdon Drain	SE6386555125	Osballdwick Beck	SE6175152075	5.1							
271241501A	Tang Hall Beck/Old Foss B	Osballdwick Beck	SE6175152075	River Foss	SE6109651950	1							

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES														
RIVER OUSE TRIBUTARIES														
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE		
271241409A	The Foss	Foss Navigation Reservoir	SE5710074500	Ellers Beck	SE5724370961	4.5	a	b	10.0923	*	C	C	2911118	*
271241408A	The Foss	Ellers Beck	SE5724370961	Brandsby Beck	SE5801170173	1.1	c	b	10.0923	*	C	C	2911118	*
271241407A	The Foss	Brandsby Beck	SE5801170173	Farlington Beck	SE6137765918	7.1	b	b	10.0151	*	C	B	2911130	
271241406A	The Foss	Farlington Beck	SE6137765918	Whitecarr Beck	SE6312264578	2.6	b	b	10.0151	*	C	B	2911130	
271241405A	The Foss	Whitecarr Beck	SE6312264578	Mill Hill Beck	SE6413763758	1.6	b	b	10.0922	*	C	B	2911117	*
271241404A	The Foss	Mill Hill Beck	SE6413763758	The Sike	SE6456461855	2.7	b	b	10.0922	*	C	B	2911117	*
271241403C	The Foss	The Sike	SE6456461855	Wiggington Beck	SE6330461168	1.6	b	c	10.0153	*	C	D	2911120	*
271241403B	The Foss	The Sike	SE6330461168	Wiggington Beck	SE6165757835	5	d	c	10.0153	*	F	E	2911120	
271241403A	The Foss	The Sike	SE6165757835	Wiggington Beck	SE6103555000	3.5	d	c	10.0152	*	F	D	2911115	
271241402A	The Foss	Wiggington Beck	SE6103555000	Tang Hall Beck	SE6109651950	3.9	c	e	10.0920	*	D	E	2911110	*
271241401A	The Foss	Tang Hall Beck	SE6109651950	River Ouse	SE6059751066	1.3	c	e	10.0920	*	E	E	2911110	
271241301A	Dimple Ditch	Source	SE5823345156	River Ouse	SE5913745517	1.3								
271241201A	Halfpenny Dike	Source	SE6683644761	Stillingfleet Beck	SE6300842702	4.7								
271241102A	Stillingfleet Beck/Bridge	Scoreby Farm	SE6952954788	Halfpenny Dike	SE6300842702	16.1								
271241101A	Stillingfleet Beck/Bridge	Halfpenny Dike	SE6300842702	River Ouse	SE5807940545	6.1								
271235301C	Mill Dike	Beech Plantation	SE4276434626	Bishops Dike	SE4478733294	3.2								
271235301B	Mill Dike	Beech Plantation	SE4478733294	Bishops Dike	SE4542732725	0.8								
271235301A	Mill Dike	Beech Plantation	SE4542732725	Bishops Dike	SE5046333414	7.9								*
271235202A	Bishop Dike	Scarthingwell Park	SE4850037150	Mill Dike	SE5048733667	3.2								
271235201A	Bishop Dike	Mill Dike	SE5048733667	River Ouse	SE5746637827	8.8	c	c	10.0037			D	1910155	*
271235101A	Holmes Dike	Line Ponds	SE6672737965	Riccall Dam	SE6332038491	4.2								
271235001A	Parkhill Dike	Heron Wood	SE6147141350	Riccall Dam	SE6190938992	2.9								
271234901A	Sike Dike	Kelfield Wood	SE5897839262	Riccall Dam	SE6130438472	2.6								
271234804A	Riccall Dam	Thorganby Common	SE6693740430	Holmes Dike	SE6332038491	5.6								
271234803A	Riccall Dam	Holmes Dike	SE6332038491	Parkhill Dike	SE6190938992	1.8								*
271234802A	Riccall Dam	Parkhill Dike	SE6190938992	Sike Dike	SE6130438472	1								
271234801A	Riccall Dam	Sike Dike	SE6130438472	River Ouse	SE6095237829	1.3		e	10.0507		E	E	1911010	
271234701B	Clough Dike	Cawood	SE5815438003	River Ouse	SE5906937730	1								
271234701A	Clough Dike	Cawood	SE5906937730	River Ouse	SE6031936736	1.9								
271234601A	Holmes Dike	Rose Grove	SE5982334737	River Ouse	SE6159832668	3.7								*
271234501A	Fox Dike/Carr Dike	Fenton Trans	SE5194437715	Selby Dam	SE5403633300	6.6					C			*

* = CHANGE IN SAMPLE POINT

			GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES											
			RIVER OUSE TRIBUTARIES											
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM 8PT CODE	*	
271234401A	Milford Common Drain	Milford Common Lane	SE5047130717	Turpin Lane	SE5154231326	1.3							*	
271234301C	Green Dike	Sherburn-in-Elmet	SE4963433561	Carr Dike	SE5493232249	0.8								
271234301B	Green Dike	Sherburn-In-Elmet	SE5493232249	Carr Dike	SE5186333236	1.5								
271234301A	Green Dike	Sherburn-In-Elmet	SE5186333236	Carr Dike	SE5301233431	1.2							*	
271234203A	Carr Dike	Westbourne Terrace South	SE5056931437	Milford Common Drain	SE5154231326	1.6								
271234202B	Carr Dike	Milford Common Drain	SE5154231326	Green Dike	SE5215132164	1.1								
271234202A	Carr Dike	Milford Common Drain	SE5215132164	Green Dike	SE5301233431	2							*	
271234201A	Carr Dike	Green Dike	SE5301233431	Selby Dam	SE5403633300	1.3								
271234101D	Selby Dam	Conf. Fox Dike & Carr Dik	SE5403633300	River Ouse	SE5493232249	1.6		d	10.0924		E	1911575		
271234101C	Selby Dam	Conf. Fox Dike & Carr Dik	SE5493232249	River Ouse	SE5584532135	0.9		d	10.0924		E	1911575		
271234101B	Selby Dam	Conf. Fox Dike & Carr Dik	SE5584532135	River Ouse	SE6042932069	5.1		e	10.2350		E	1911600		
271234101A	Selby Dam	Conf. Fox Dike & Carr Dik	SE6042932069	River Ouse	SE6159832668	1.5	e	c	10.0283		D	1911580	*	
271234001A	Brayton Drain	Brayton	SE6075931014	River Ouse	SE6206732297	2.3								
271233901B	Lendall Carr Drain	Primrose Hill	SE6210728583	River Ouse	SE6656228163	5.8							*	
271233901A	Lendall Carr Drain	Primrose Hill	SE6656228163	River Ouse	SE6734228868	1								
271223201A	Rusholme Dike	Drax	SE6796925910	River Ouse	SE6880527036	2.3								
271200401A	Eamshaw's Warping Drain	Goole/Crowle Railway Line	SE7453020433	River Ouse	SE7538422047	3.4								
271200301A	Swinefleet Warping Drain	Willpits	SE7411214082	River Ouse	SE7648821807	6.9					E	1911675		
271200201A	Reedness Drain	Swinefleet & Reedness Moo	SE7824118635	River Ouse	SE7992023109	6.3						1910980		

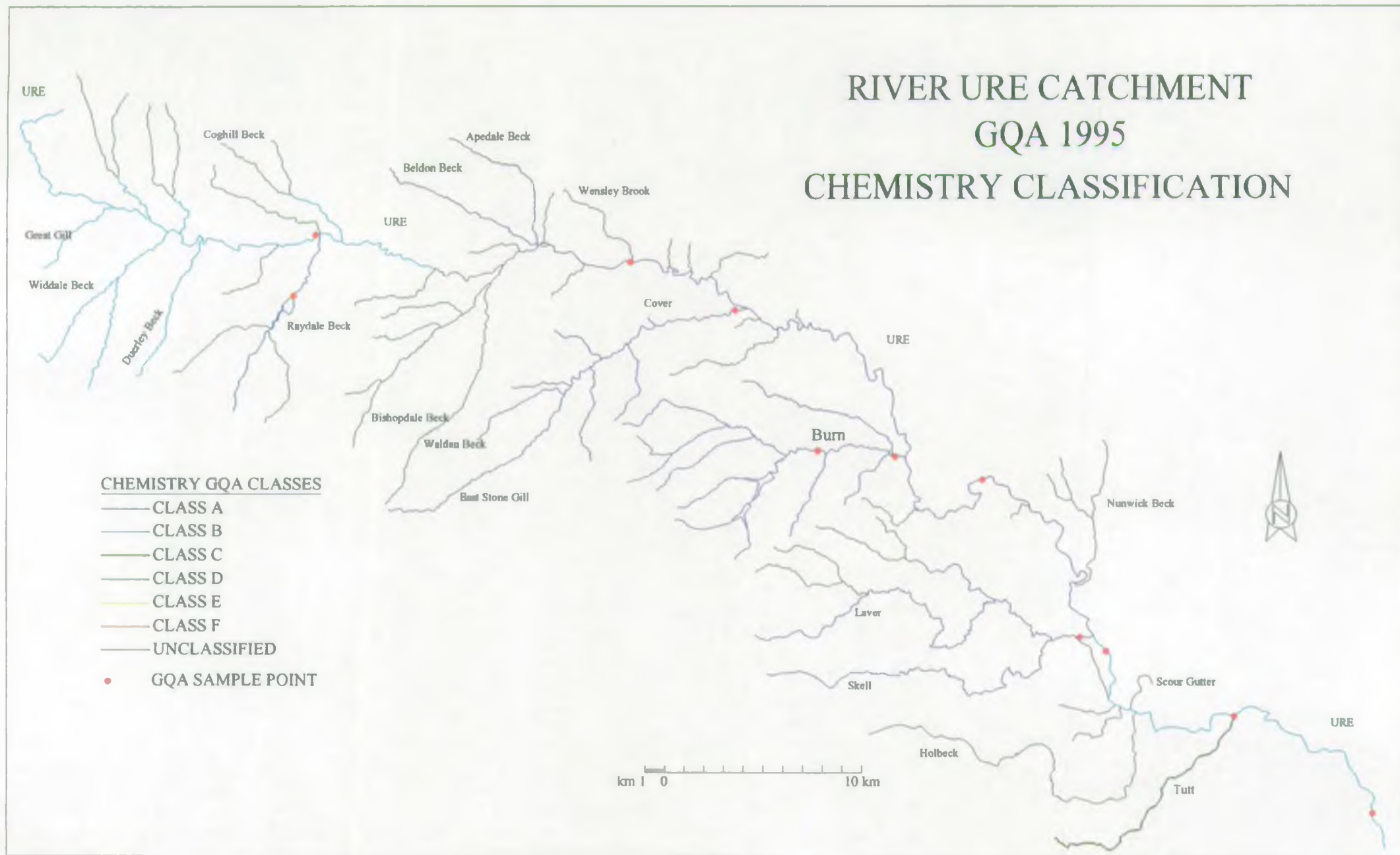
* = CHANGE IN SAMPLE POINT

URE

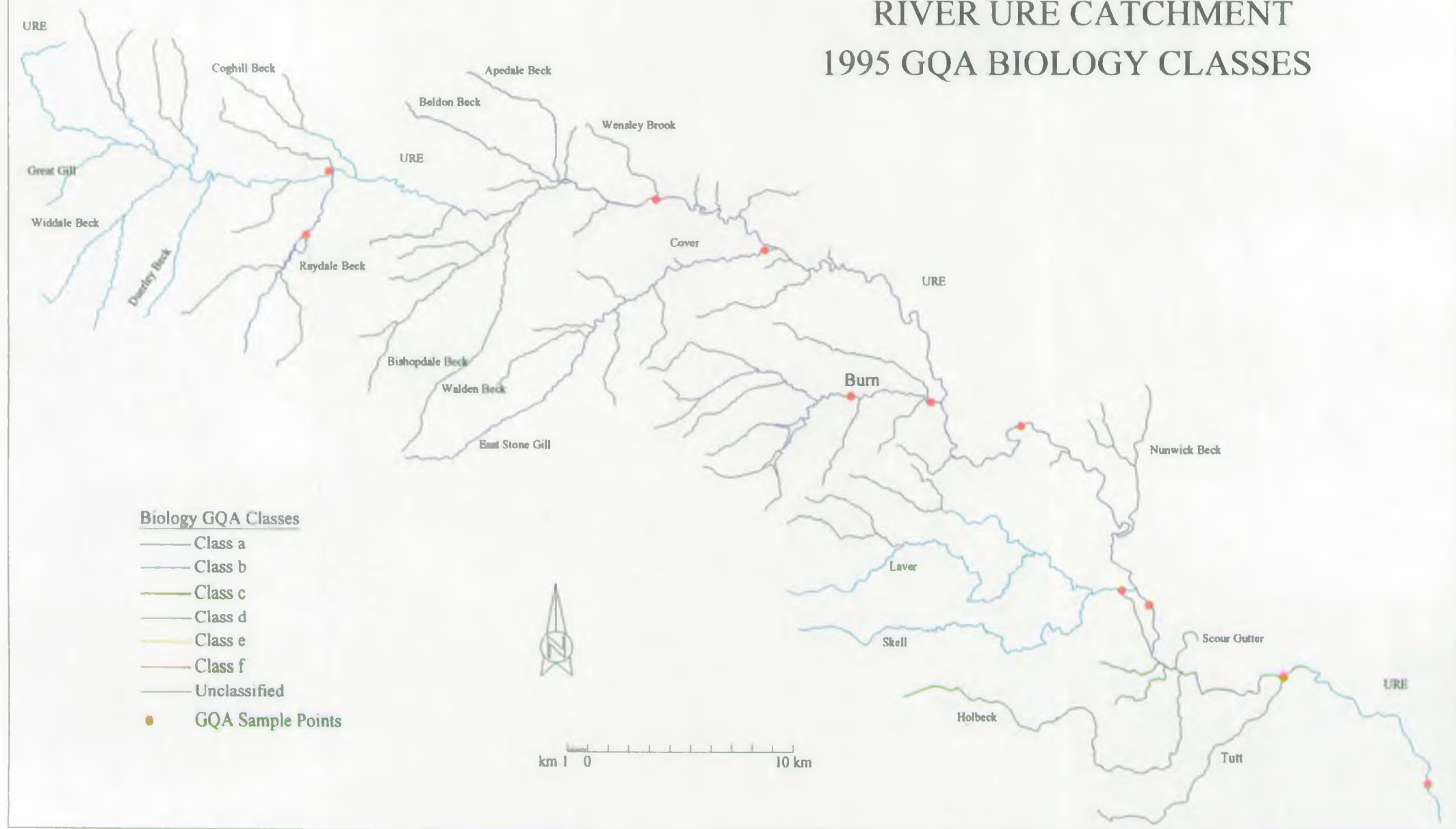
RIVER URE CATCHMENT

GQA 1995

CHEMISTRY CLASSIFICATION



RIVER URE CATCHMENT 1995 GQA BIOLOGY CLASSES

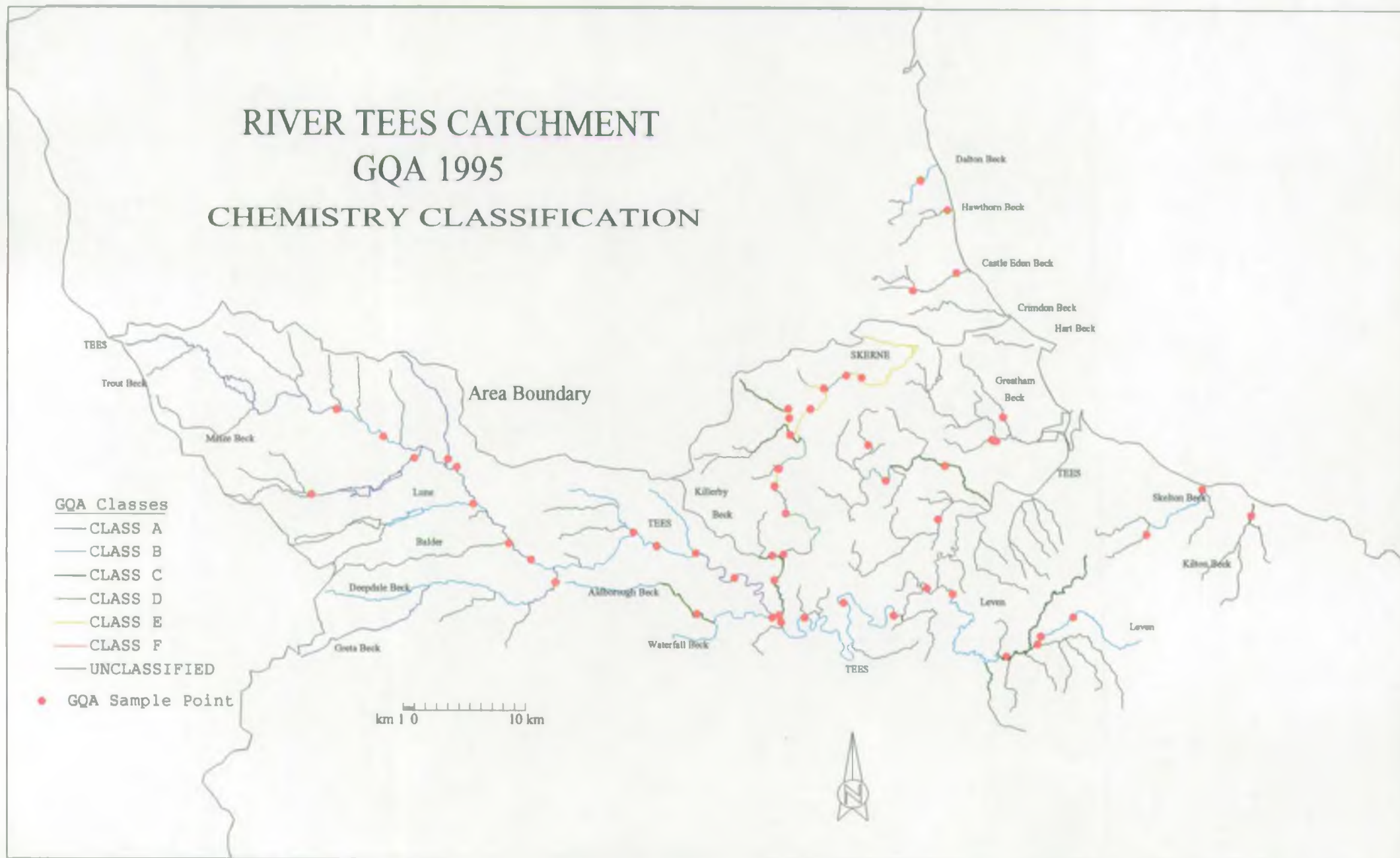


TEES

RIVER TEES CATCHMENT

GQA 1995

CHEMISTRY CLASSIFICATION



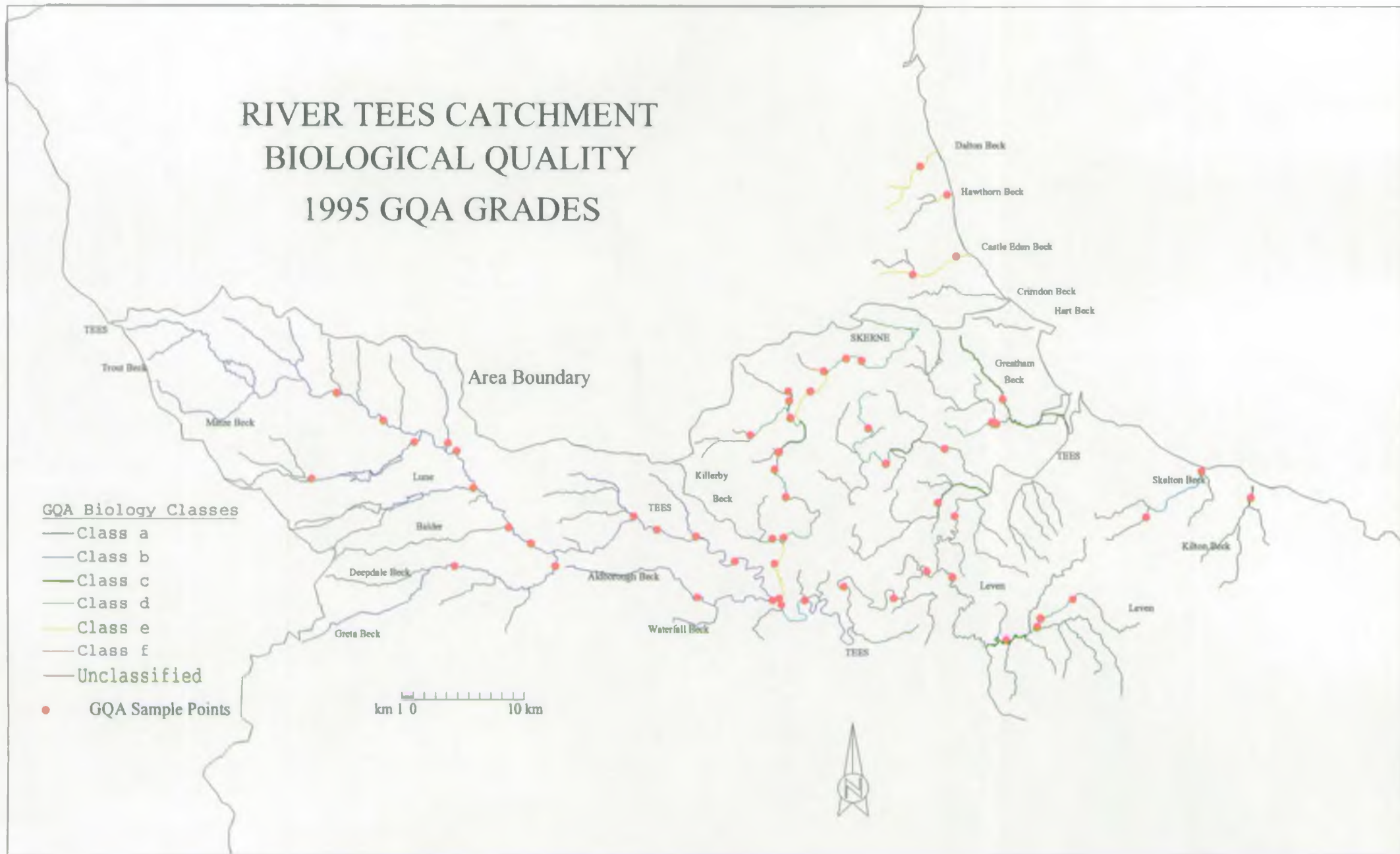
RIVER TEES CATCHMENT BIOLOGICAL QUALITY 1995 GQA GRADES

GQA Biology Classes

- Class a
- Class b
- Class c
- Class d
- Class e
- Class f
- Unclassified

● GQA Sample Points

km 1 0 10 km



GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER TEES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM 8PT CODE	
251060000130	TEES	SOURCE	NY7608 3374	TROUT BECK	NY7000 3405	7	b	a	02.3030	B	A	251200QS2	
251060000129	TEES	TROUT BECK	NY8148 2840	MAIZE BECK	NY7607 3374	10	b	a	02.3030	B	A	251200QS2	
251060000128	TEES	MAIZE BECK	NY8594 2960	HARWOOD BECK	NY8148 2840	5.7	b	a	02.3030	B	A	251200QS2	
251060000127	TEES	HARWOOD BECK	NY8942 2832	ETTERS GILL	NY8594 2960	4.7	a	a	02.3030	B	A	251575QS2	
251060000126	TEES	ETTERS GILL	NY9122 2736	BOW LEE BECK	NY8942 2832	2.2	a	a		B	B	251575QS2	
251060000125	TEES	BOW LEE BECK	NY9461 2533	HUDESHOPE BECK	NY9122 2736	5.6	a	a		B	B	251502QS2	
251060000124	TEES	HUDESHOPE BECK	NY9684 2504	LUNE	NY9481 2533	2.5	c	a		B	A	251502QS2	
251060000123	TEES	LUNE	NY9874 2330	EGGLESTON BURN	NY9664 2504	3	b	a		B	A	251502QS2	
251060000122	TEES	EGGLESTON BURN	NZ0129 2010	BALDER	NY9874 2330	5.2	b	a		B	A	251502QS2	
251060000121	TEES	BALDER	NZ0238 1940	LANCE BECK	NZ0129 2010	1.4	b	a	02.3000	B	B	251502QS2	
252060000120	TEES	LANCE BECK	NZ0454 1660	DEEPDALE BECK	NZ0238 1940	4.2	b	a	02.2980	B	A	251502QS2	
252060000119	TEES	DEEPDALE	NZ0592 1547	BARNARD CASTLE STW	NZ0454 1660	2	b	a	02.2980	B	A	251502QS2	
252060000119	TEES	BARNARD CASTLE	NZ0664 1500	NZ0664 1500	NZ0592 1547	0.5	b	a		B	B	251501QS2	
252060000119	TEES	NZ0664 1500	NZ0847 1449	GRETA BECK	NZ0664 1500	2.3	b	a		B	B	252581QS2	
252060000118	TEES	GRETA BECK	NZ1087 1455	WHORLTON BECK	NZ0847 1449	2.5	a	a		B	B	252581QS2	
252060000117	TEES	WHORLTON BECK	NZ1598 1746	LANGLEY BECK	NZ1087 1455	6.5	b	a		B	B	252581QS2	
252060000116	TEES	LANGLEY BECK	NZ2221 1559	KILLERBY BECK	NZ1598 1747	6.4	b	a		B	B	252581QS2	
252060000115	TEES	KILLERBY BECK	NZ2818 1036	CLOW BECK	NZ2221 1559	14.8	a	a		B	A	252009QS2	
252060000114	TEES	CLOW BECK	NZ2894 1010	SKERNE	NZ2818 1036	0.7	a	a		B	A	252009QS2	
254060000113	TEES	SKERNE	NZ2905 0923	SPA BECK	NZ2894 1010	1	b	b	02.2930		B	254560QS2	
254060000112	TEES	SPA BECK	NZ3110 1005	LOW HAIL BRIDGE	NZ2905 0923	5.4	b	b	02.2930		B	254560QS2	
254060000112	TEES	LOW HAIL	NZ3246 1009	NEASHAM STELL	NZ3110 1005	3	b	a			B	254006QS2	
254060000111	TEES	NEASHAM STELL	NZ3440 0712	NZ3440 0712	NZ3246 1009	6	b	a	02.2910	B	B	254005QS2	
254060000111	TEES	NZ3440 0712	NZ3539 0781	STAINDALE BECK	NZ3440 0712	3	b	a	02.2910	B	B	254005QS2	
254060000110	TEES	STAINDALE BECK	NZ3915 1030	TIDAL LIMIT	NZ3539 0781	14					B	254004QS2	
254060000110	TEES	TIDAL LIMIT	NZ3994 1032	SALTERGILL	NZ3915 1030	0.5				B		254562QS2	
254060000109	TEES	SALTERGILL	NZ4106 1278	NELLY BURDONS BECK	NZ3994 1032	4						254562QS2	
254060000108	TEES	NELLY BURDONS BECK	NZ4306 1278	LEVEN	NZ4106 1278	2.5						254562QS2	
254060000107	TEES	LEVEN	NZ4431 1560	BASSLETON BECK	NZ4306 1278	5						254908QTS	
254060000106	TEES	BASSLETON BECK	NZ4654 1904	STAINSBY BECK	NZ4431 1560	6.5						254908QTS	
254060000105	TEES	STAINSBY BECK	NZ4748 1950	LUSTRUM BECK	NZ4652 1915	1							
254060000104	TEES	LUSTRUM	NZ4776 2000	BILLINGHAM BECK	NZ4748 1950	0.5							
254060000103	TEES	BILLINGHAM BECK	NZ5089 2096	MARTON BECK	NZ4776 2000	5.6							
254060000102	TEES	MARTON BECK	NZ5420 2371	TEES DOCK	NZ5089 2096	3.1							
254060000102	TEES	TEES DOCK	NZ5409 2647	GREATHAM CREEK	NZ5420 2371	3							
254060000101	TEES	GREATHAM CREEK	NZ55102843	SEA	NZ54092647	2							

* = CHANGE IN SAMPLE POINT

			GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRAD			ES								
			TEES TRIBUTARIES											
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE		
256080000301	MILL BECK	SOURCE	NZ6798 1472	KILTON BECK	NZ6968 1260	5.7								
256080000201	MIDDLE GILL	SOURCE	NZ7102 1850	KILTON BECK	NZ7268 1499	5								
256080000103	KILTON BECK	SOURCE	NZ6798 1472	LOCKWOOD BECK	NZ6690 1358	2								
256080000103	KILTON BECK	LOCKWOOD BECK	NZ7002 1680	MILL BECK	NZ6798 1472	3.1				C				
256080000102	KILTON BECK	MILL BECK	NZ7102 1850	MIDDLE GILL BECK	NZ7002 1680	2				C				
256080000101	KILTON BECK	MIDDLE GILL BECK	NZ7130 1946	NZ7130 1946	NZ7102 1850	0.8	d	c		C	C	256068QSZ		
256080000101	KILTON BECK	NZ7130 1946	NZ7140 2022	SEA	NZ7130 1946	0.4	d	c		C	C	256068QSZ		
256070000301	HOWL BECK	SOURCE	NZ6005 1655	GUISBOROUGH STW	NZ5813 1558	1.3				C				
256070000301	HOWL BECK	GUISBOROUGH	NZ6115 1680	CHURCH LANE FARM	NZ6005 1655	0.7				C				
256070000301	HOWL BECK	CHURCH LANE	NZ6200 1825	SKELTON BECK	NZ6115 1680	0.6				C				
256070000201	SALTBURN GILL	SOURCE	NZ6678 2150	SKELTON BECK	NZ6554 1664	5.8								
256070000102	SKELTON BECK	SOURCE	NZ5972 1840	DUNSDALE STW	NZ5724 1796	3.7								
256070000102	SKELTON BECK	DUNSDALE STW	NZ6204 1840	SKELTON BECK	NZ5972 1840	2.4								
256070000101	SKELTON BECK	HOWL BECK	NZ6276 1810	TOCKETTS MILL	NZ6204 1840	1				C	B	256102QSS		
256070000101	SKELTON BECK	TOCKETTS MILL	NZ6678 2150	SALTBURN GILL	NZ6276 1810	6.5		b	2.407	C	B	256063QSZ		
256070000101	SKELTON BECK	SALTBURN GILL	NZ6680 2170	SEA	NZ6678 2150	0.1		b			B			
251060008301	TROUT BECK	SOURCE	NY7608 3374	TEES	NY7188 3136	5.1	b	a	2.303			251200QSZ		
251060008201	MAIZE BECK	SOURCE	NY8148 2840	TEES	NY7270 2948	11.9	c	a	2.303			251200QSZ		
251060008101	LANGDON BECK	SOURCE	NY8518 3086	HARWOOD BECK	NY8444 3501	4.7	a	a	2.303			251200QSZ		
251060008002	HARWOOD BECK	SOURCE	NY8518 3086	LANGDON BECK	NY7866 3512	7.9	b	a	2.303			251200QSZ		
251060008001	HARWOOD BECK	LANGDON BECK	NY8594 2960	TEES	NY8518 3086	2	c	a	2.303			251200QSZ		
251060007901	ETTERS GILL	SOURCE	NY8942 2832	TEES	NY8822 3318	6								
251060007801	BOW LEA BECK	SOURCE	NY9122 2736	TEES	NY9080 3300	6.6								
251060007701	HUDESHOPE BECK	SOURCE	NY9461 2533	TEES	NY9366 3284	6.5								
251060007601	ARNGILL BECK	SOURCE	NY8512 2278	ARNGILL MINE	NY8292 2464	1								
251060007601	ARNGILL BECK	ARNGILL MINE	NY8612 2098	LONG GRAIN	NY8512 2278	3								
251060007502	LONG GRAIN	SOURCE	NY8612 2098	ARNGILL BECK	NY8014 2316	6.6								
251060007501	LONG GRAIN	ARNGILL BECK	NY8688 2072	LUNE	NY8612 2098	1		b			B	251221QSS		
251060007402	LUNE	SOURCE	NY8688 2072	LONG GRAIN	NY7892 2092	9.6								
251060007401	LUNE	LONG GRAIN	NY9664 2504	TEES	NY8688 2072	12.1	a	a	2.395	A	A	251622QSS		
251060007301	EGGLESTON BURN	SOURCE	NY9874 2330	TEES	NY9461 3316	12.4	b	a			A	251576QSZ		

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
TEES TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	
251060007201	BLACK BECK	SOURCE	NY8864 1730	BALDER	NY8510 1690	3							
251060007101	HUNDER BECK	SOURCE	NY9342 1832	BALDER	NY8820 1484	6.4							
251060007003	BALDER	SOURCE	NY8864 1730	BLACK BECK	NY8482 1622	4.2							
251060007002	BALDER	BLACK BECK	NY9342 1832	HUNDER BECK	NY8864 1730	5.2							
251060007001	BALDER	HUNDER BECK	NZ0129 2010	TEES	NY9342 1832	7.3	b	a	2.391		B	251577QSZ	
251060006801	DEEPDALE BECK	SOURCE	NZ0454 1660	TEES	NY8860 1362	16.9			10.0946			252245QSS	
252060006701	SLEIGHTHOLME BECK	SOURCE	NY9724 1284	GRETA	NY8580 0658	14.5	a	a	2.384		A	251578QSZ	
252060006601	ELLER BECK	SOURCE	NZ0320 1224	GRETA	NY9818 0960	8.5							
252060006501	GILL BECK	SOURCE	NZ0620 1126	GRETA	NZ0416 0730	6.7							
252060006404	GRETA BECK	SOURCE	NY9724 1284	SLEIGHTHOLME BECK	NY8794 1234	11.2				C	B	251578QSZ	
252060006403	GRETA BECK	SLEIGHTHOLME BECK	NZ0320 1224	ELLER BECK	NY9724 1284	6.9	b	a		C	B	251579QSZ	
252060006402	GRETA BECK	ELLER BECK	NZ0620 1126	GILL BECK	NZ0320 1224	4	b	a	2.383	C	B	251500QSZ	
252060006401	GRETA BECK	GILL BECK	NZ0844 1448	TEES	NZ0620 1126	5.2	b	a	2.383	C	A	251500QSZ	
252060006301	WHORLTON BECK	SOURCE	NZ1088 1456	TEES	NZ0934 1566	3.7							
252060006201	SUDBURN BECK	SOURCE	NZ1430 1970	LANGLEY BECK	NZ0748 1934	11.6							
252060006101	WESTHOLME BECK	SOURCE	NZ1498 1812	LANGLEY BECK	NZ0882 1699	7							
252060006003	LANGLEY BECK	SOURCE	NZ1430 1970	SUDBURN BECK	NZ0980 2124	9.8	b	a	2.378		B	252580QSZ	
252060006002	LANGLEY BECK	SUDBURN BECK	NZ1498 1812	WESTHOLME BECK	NZ1430 1970	1.9	a	a	2.378		B	252580QSZ	
252060006001	LANGLEY BECK	WESTHOLME BECK	NZ1598 1746	TEES	NZ1498 1812	1.3	a	a	2.378		B	252580QSZ	
252060005901	KILLERBY BECK	SOURCE	NZ2198 1566	TEES	NZ1710 2138	8.7	b	a	2.377		B	252582QSZ	
252060005801	ALDBROUGH BECK	SOURCE	NZ1816 1306	EPPLBY STW	NZ0954 1308	12.1	a	a		B	B	252080QSS	
252060005801	ALDBROUGH BECK	EPPLBY STW	NZ2292 0970	CLOW BECK	NZ1816 1306	5.3	a	a	2.376	B	C	252080QSS	
252060005702	CLOW BECK	SOURCE	NZ2292 0970	CLOW BECK	NZ1932 0836	7.1					B		
252060005701	CLOW BECK	WATERFALL BECK	NZ2818 1036	TEES	NZ2292 0970	7.5	b	a		B	B	252035QSZ	
253060005601	CARRS	SOURCE	NZ3070 3120	RAILWAY	NZ3046 3188	1.2				E			
253060005601	CARRS	RAILWAY	NZ3132 3058	CHILTON LANE WORKS	NZ3070 3120	0.5				E			
253060005601	CARRS	CHILTON LANE WORKS	NZ3300 3000	SKERNE	NZ3132 3058	3.6	f	f		E	E	253056QSZ	
253060005501	CORNER BECK	SOURCE	NZ2348 2424	RED HOUSE BECK	NZ2172 2280	2.5							

* = CHANGE IN SAMPLE POINT

			GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES											
			TEES TRIBUTARIES											
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*	
253060005401	RED HOUSE BECK	CORNER BECK	NZ2634 2464	WOODHAM BURN	NZ2348 2424	3.1								
253060005401	RED HOUSE BECK	SOURCE	NZ2348 2424	CORNER BECK	NZ2112 2404	2.5								
253060005301	RUSHYFORD BECK	SOURCE	NZ2924 2835	CHILTON STW	NZ2524 3102	3.3			2.5243		C	253491QSS		
253060005301	RUSHYFORD BECK	CHILTON STW	NZ2952 2682	WOODHAM BURN	NZ2924 2835	3.5	e	c			E	253496QSZ		
253060005203	WOODHAM BURN	SOURCE	NZ2634 2464	RED HOUSE BECK	NZ2450 2524	3								
253060005202	WOODHAM BURN	RED HOUSE	NZ2952 2682	RUSHYFORD BECK	NZ2634 2464	4	e	d		E	C	253053QSZ		
253060005201	WOODHAM BURN	RUSHYFORD BECK	NZ3070 2598	SKERNE	NZ2952 2682	2.4	e	d		E	C	253053QSZ		
253060005101	DEMONS BECK TRIB	SOURCE	NZ2842 2330	DEMONS BECK	NZ2830 2350	1								
253060005002	DEMONS BECK	SOURCE	NZ2842 2330	UNKNOWN TRIB	NZ2634 2256	2.5								
253060005001	DEMONS BECK	UNKNOWN TRIB	NZ2882 2310	SKERNE	NZ2842 2330	1				F	F	253051QSZ		
253060004901	WEST BECK	SOURCE	NZ2692 1700	A68	NZ2772 1939	2.5								
253060004901	WEST BECK	A68	NZ2699 1539	COCKER BECK	NZ2692 1700	1				E				
253060004802	COCKER BECK	SOURCE	NZ2699 1539	WEST BECK	NZ2036 2242	12.1								
253060004801	COCKER BECK	WEST BECK	NZ2914 1520	SKERNE	NZ2699 1539	2.4	e	d		E	C	253048QSZ		
253060004705	SKERNE	SOURCE	NZ3610030030	FISHBURN	NZ3612 3480	10.3	e	d		E	E	253046QSZ		
253060004705	SKERNE	FISHBURN	NZ3248 2868	CARRS	NZ3538 3165	3.4	e	d		F	D	253045QSZ		
253060004704	SKERNE	CARRS	NZ3070 2598	WOODHAM BURN	NZ3248 2868	7.6	e	e		E	E	253044QSZ		
253060004703	SKERNE	WOODHAM BURN	NZ2882 2310	DEMONS BECK	NZ3070 2598	5	e	c		E	D	253042QSZ		
253060004702	SKERNE	SPLIT	NZ2850021600	SPLIT	NZ2860022800	0.7			10.0951		E	253093QSS		
253060004702	SKERNE	SPLIT	NZ2940019250	SPLIT	NZ2850021600	2.9	e	d	2.359		E	253040QSZ		
253060004702	SKERNE	KETTON BRIDGE	NZ2914 1520	COCKER BECK	NZ3160016500	5.7	e	c	2.5247	E	E	253049QSZ		
253060004702	SKERNE	SPLIT	NZ2914015200	SPLIT	NZ3160016500	4.3			10.095	E	D	253038QSZ		
253060004701	SKERNE	COCKER BECK	NZ2885 1035	STRESHOLME STW	NZ2914 1520	5.8	e	e		E	C	253037QSZ		
253060004701	SKERNE	STRESHOLME STW	NZ2894 1010	TEES	NZ2885 1035	0.5	e	c		E	E	253036QSZ		
253060004605	SKERNE	SPLIT1	NZ3538031650	SPLIT1	NZ3610030030	2.2		d				253559QSZ		
254060004601	SPA BECK	SOURCE	NZ2905 0923	TEES	NZ2738 0672	7.4								
254060004501	CREE BECK	SOURCE	NZ3239 1036	NEASHAM STELL	NZ3069 1293	5.1								
254060004402	NEASHAM STELL	SOURCE	NZ3239 1036	CREE BECK	NZ3324 1270	3								
254060004401	NEASHAM STELL	CREE BECK	NZ3246 1009	TEES	NZ3239 1036	0.5								
254060004301	STAINDALE BECK	SOURCE	NZ3539 0781	TEES	NZ4130 0801	6.9								
254060004201	SALTERGILL BECK TRIB	SOURCE	NZ3998 0985	SALTERGILL BECK	NZ3915 0827	1.6								
254060004102	SALTERGILL BECK	SOURCE	NZ3998 1040	SALTERGILL BECK TRIB	NZ4187 0630	12.2								
254060004101	SALTERGILL BECK	SALTERGILL BECK TRIB	NZ3994 1032	TEES	NZ3998 0985	0.6					C			
254060004001	NELLY BURDONS BECK	SOURCE	NZ4108 1278	TEES	NZ3936 1395	4.3								
254060003901	INGS BECK	SOURCE	NZ5450 0828	BROUGHTON BRIDGE BECK	NZ5716 0368	6.1								
254060003801	BROUGHTON BECK	SOURCE	NZ5470 0631	GT BROUGHTON STW	NZ5440 0340	2.5								

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES												
TEES TRIBUTARIES												
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE
254060003801	BROUGHTON BECK	SOURCE	NZ5470 0631	GT BROUGHTON STW	NZ5440 0340	2.5						
254060003801	BROUGHTON BECK	GT	NZ5396 0800	BROUGHTON BRIDGE BECK	NZ5470 0631	2.3						
254060003703	BROUGHTON BRIDGE BECK	SOURCE	NZ5450 0828	INGS BECK	NZ5960 0200	10.5				C		
254060003702	BROUGHTON BRIDGE BECK	INGS BECK	NZ5396 0800	BROUGHTON BECK	NZ5450 0828	1				C		
254060003701	BROUGHTON BRIDGE BECK	BROUGHTON BECK	NZ5206 0776	LEVEN	NZ5396 0800	1.7				C		
254060003601	TAME	SOURCE	NZ5126 0732	LEVEN	NZ5630 1568	10.8					C	254503QSZ
254060003501	GRANGE BECK	SOURCE	NZ5082 0690	LEVEN	NZ5356 0368	5.1						
254060003401	FACEBY BECK	SOURCE	NZ4952 0642	LEVEN	NZ4956 0162	2.6						
254060003301	CARR STELL	SOURCE	NZ4846 0698	LEVEN	NZ4810 0972	4.5						
254060003201	POTTO BECK	SCUGDALE	NZ4762 0372	POTTO NZ 4762 0372	NZ5090 0000	6						
254060003201	POTTO BECK	POTTO NZ4762 0372	NZ4730 0604	LEVEN	NZ4762 0372	3				C	C	
254060003107	LEVEN	SOURCE	NZ5470 0972	GREAT AYTON STW	NZ6126 0811	8.5				B	B	54518QSS
254060003107	LEVEN	GREAT	NZ5206 0776	BROUGHTON BRIDGE BECK	NZ5470 0972	4	f	d	2.342	B	B	54519QSS
254060003106	LEVEN	BROUGHTON BRIDGE	NZ5126 0732	GRANGE BECK	NZ5206 0776	1				D	C	254027QSZ
254060003105	LEVEN	GRANGE BECK	NZ5082 0690	TAME	NZ5126 0732	0.5				B	C	254027QSZ
254060003104	LEVEN	TAME	NZ4952 0642	FACEBY BECK	NZ5082 0690	2.6	d	c	2.342	B	C	254503QSZ
254060003103	LEVEN	FACEBY BECK	NZ4846 0698	CARR STELL	NZ4952 0642	2	d	c	2.342	B	C	254503QSZ
254060003102	LEVEN	CARR STELL	NZ4730 0604	POTTO BECK	NZ4846 0698	2.5	c	c	2.342	B	B	254503QSZ
254060003101	LEVEN	POTTO BECK	NZ4446 1208	MOUNT LEVEN	NZ4730 0604	13.2					B	254590QSZ
254060003101	LEVEN	MOUNT LEVEN	NZ4304 1274	TEES	NZ4446 1208	2			2.34	B		254024QSZ
254060003001	BASSLETON BECK	SOURCE	NZ4431 1560	TEES	NZ4557 1239	4.2						
254060002901	BLUE BELL BECK	SOURCE	NZ4688 1718	STAINSBY BECK	NZ4920 1484	3.4				E		
254060002802	STAINSBY BECK	SOURCE	NZ4688 1718	BLUE BELL	NZ5119 1226	9						
254060002801	STAINSBY BECK	BLUE BELL BECK	NZ4654 1904	TEES	NZ4688 1718	2.6				E		
254060002701	GOOSEPOOL BECK	SOURCE	NZ3578 1428	COATHAM BECK	NZ3562 1698	3.4						
254060002601	LETCH BECK	SOURCE	NZ4114 1740	COATHAM BECK	NZ3938 1988	5.9						
254060002503	HARTBURN BECK	SOURCE	NZ3578 1428	GOOSEPOOL BECK	NZ3502 1444	0.9						
254060002502	HARTBURN BECK	GOOSEPOOL BECK	NZ4114 1740	LETCH BECK	NZ3578 1428	6.9						
254060002501	HARTBURN BECK	LETCH BECK	NZ4306 1752	LUSTRUM BECK	NZ4114 1740	2.5						
254060002401	LUSTRUM BECK TRIBUTARY	SOURCE	NZ4424 2030	LUSTRUM BECK	NZ4122 2066	3.8						
254060002301	LUSTRUM BECK TRIBUTARY	SOURCE	NZ4424 2030	LUSTRUM BECK	NZ4302 2116	2						
254060002203	LUSTRUM BECK	SOURCE	NZ4306 1752	HARTBURN BECK	NZ4252 1608	2						
254060002202	LUSTRUM BECK	HARTBURN	NZ4424 2030	TRIB NZ4424 2030	NZ4306 1752	3.1		c	2.332			254327QSZ
254060002201	LUSTRUM BECK	TRIB NZ4424 2030	NZ4748 1950	TEES	NZ4424 2030	3	d	c	2.332			254327QSZ
254060002101	SHOTTON BECK TRIBUTARY	SOURCE	NZ3696 2664	SHOTTON BECK	NZ3830 2538	1.5						
254060002001	ELSTOB BECK	SOURCE	NZ3584 2316	SHOTTON BECK	NZ3510 2758	4.8						
254060001901	LITTLE STAINTON BECK	SOURCE	NZ3534 1980	BISHOPTON BECK	NZ3234 2160	4						
254060001802	BISHOPTON BECK	SOURCE	NZ3534 1980	LITTLE STAINTON BECK	NZ3554 1866	1.8						
254060001801	BISHOPTON BECK	LITTLE	NZ3638 2338	BILLINGHAM BECK	NZ3534 1980	2				C		
254060001701	CARLTON BECK	SOURCE	NZ3878 2338	BILLINGHAM BECK	NZ3832 1948	3.5						
254060001601	BRIERLEY BECK	SOURCE	NZ4140 2432	BILLINGHAM BECK	NZ3840 2868	6.9						

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES														
TEES TRIBUTARIES														
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE		
254060001506	BILLINGHAM BECK	SOURCE	NZ3696 2664	TRIB NZ3696 2664	NZ3760 2824	2	f	d	02.3250	C		254192QSS		
254060001505	BILLINGHAM BECK	TRIB NZ3696 2664	NZ3584 2316	ELSTOB BECK	NZ3696 2664	3	f	d	02.3250	C		254192QSS		
254060001504	BILLINGHAM BECK	ELSTOB BECK	NZ3638 2338	BISHOPTON BECK	NZ3584 2316	1.4	f	d	02.3250	C		254192QSS		
254060001503	BILLINGHAM BECK	BISHOPTON BECK	NZ3878 2338	CARLTON BECK	NZ3638 2338	5.2	e	d		C	D	254023QSZ		
254060001502	BILLINGHAM BECK	CARLTON BECK	NZ4140 2432	BRIERLEY BECK	NZ3878 2338	3.6	d	c		C	C	254021QSZ		
254060001501	BILLINGHAM BECK	TIDAL LIMIT	NZ4776 2000	TEES	NZ4760 2120	2				C		254021QSZ		
254060001501	BILLINGHAM BECK	BRIERLEY BECK	NZ4760 2120	TIDAL LIMIT	NZ4140 2432	6.5					C	254021QSZ		
254060001401	MARTON WEST BECK TRIB	SOURCE	NZ4952 1682	MARTON WEST BECK	NZ5098 1350	4								
254060001301	ORMESBY BECK	SOURCE	NZ5052 2000	MARTON WEST BECK	NZ5328 1538	5.9								
254060001201	MARTON WEST BECK TRIB	SOURCE	NZ5156 2056	MARTON WEST BECK	NZ5376 1594	5								
254060001101	SPENCER BECK	SOURCE	NZ5154 2080	MARTON WEST BECK	NZ5438 1664	5.3								
254060001003	MARTON WEST BECK	TIDAL LIMIT	NZ5156 2056	TRIB NZ5156 2056	NZ5052 2000	0.3								
254060001002	MARTON WEST BECK	TRIB NZ5156	NZ5154 2082	SPENCER BECK	NZ5156 2056	0.5								
254060001002	MARTON WEST BECK	SOURCE	NZ4952 1682	TRIB NZ4952 1682	NZ5306 1350	2.9								
254060001001	MARTON WEST BECK	SPENCER BECK	NZ5154 2086	TEES	NZ5154 2080	0.5								
254060001001	MARTON WEST BECK	TRIB NZ4952	NZ5052 2000	ORMESBY BECK	NZ4952 1682	3.4								
254060000901	BEDLAM GILL	SOURCE	NZ4210 2994	TINKLERS GILL	NZ4101 3246	2.9								
254060000801	AMERSTON GILL	SOURCE	NZ4216 2994	TINKLERS GILL	NZ4312 3394	4.3								
254060000703	TINKLERS GILL	SOURCE	NZ4210 2994	BEDLAM GILL	NZ4014 3068	2.1								
254060000702	TINKLERS GILL	BEDLAM GILL	NZ4216 2994	AMERSTON GILL	NZ4210 2994	0.1								
254060000701	TINKLERS GILL	AMERSTON GILL	NZ4504 2690	NORTH BURN	NZ4216 2994	5.5								
254060000601	CLAXTON BECK	SOURCE	NZ4756 2756	NORTH BURN	NZ4614 3016	4.8								
254060000501	COWBRIDGE BECK SOUTH	SOURCE	NZ4812 2562	COWBRIDGE BECK NORTH	NZ4748 2506	2.3		d	02.3100			254472QSS		
254060000402	COWBRIDGE BECK	SOURCE	NZ4812 2562	COWBRIDGE BECK SOUTH	NZ4690 2518	5.1	d	d	02.3100			254472QSS		
254060000401	COWBRIDGE BECK	COWBRIDGE BECK	NZ4840 2570	NZ4840 2570	NZ4812 2562	0.5						254473QSS		
254060000401	COWBRIDGE BECK	NZ4840 2570	NZ4846 2582	NORTH BURN	NZ4840 2570	0.5					F	254473QSS		
254060000305	NORTH BURN	SOURCE	NZ4504 2690	TINKERS GILL	NZ4364 2672	2								
254060000304	NORTH BURN	TINKERS GILL	NZ4756 2756	CLAXTON BECK	NZ4504 2690	2.9								
254060000303	NORTH BURN	CLAXTON BECK	NZ4846 2582	COWBRIDGE BECK	NZ4756 2756	3								
254060000302	NORTH BURN	COWBRIDGE BECK	NZ4890 2586	RAILWAY LINE	NZ4846 2582	0.5								
254060000301	NORTH BURN	TIDAL LIMIT	NZ4954 2622	SEA	NZ4934 2584	0.5								
254060000301	NORTH BURN	RAILWAY LINE	NZ4934 2584	TIDAL LIMIT	NZ4890 2586	0.5								
254060000202	GREATHAM CREEK	TIDAL LIMIT	NZ4953 2624	NORTH BURN	NZ4942 2676	0.8								
254060000201	GREATHAM CREEK	NORTH BURN	NZ5409 2647	TEES	NZ49532 2624	3.6		c				254566QSS		
254060000201	GREATHAM CREEK	SOURCE	NZ4574 3205	ELWICK STW	NZ4508 3344	2	d	c	02.3060	E		254566QSS		
254060000201	GREATHAM CREEK	ELWICK STW	NZ4669 3125	DALTON PIERCY	NZ4574 3205	1	d	c	02.3060	E		254566QSS		
254060000201	GREATHAM CREEK	DALTON PIERCY	NZ4942 2676	TIDAL LIMIT	NZ4669 3125	6		c		E		254566QSS		

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADIENTS														
TEES TRIBUTARIES														
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*	
250500101A	HART BECK	SOURCE	NZ5168 3416	SEA	NZ4612 3498	5.5								
250400101A	CRIMDON BECK	SOURCE	NZ4906 3672	SEA	NZ4046 3678	11.5			02.2880			255003QS2		
250300301A	GORE BURN TRIB	SOURCE	NZ4040 4000	GORE BURN	NZ4008 4095	1.6								
250300202A	GORE BURN	SOURCE	NZ4040 4000	GORE BURN TRIB	NZ3709 3982	2.6						255143QS2		
250300201A	GORE BURN	GORE BURN	NZ4080 3884	CASTLE EDEN BURN	NZ4040 4000	0.5						255204QSS		
250300102A	CASTLE EDEN BURN	SOURCE	NZ4080 3884	GORE BURN	NZ3775 3888	2.6		e	02.2870			255203QSS		
250300101B	CASTLE EDEN BURN	GORE BURN	NZ4352 3961	NZ4352 3961	NZ4080 3884	3.4		e	02.2870					
250300101A	CASTLE EDEN BURN	NZ4352 3961	NZ4590 4041	SEA	NZ4352 3961	2.4		e	02.2870			255598QS2		
250200201A	NORTH DENE	SOURCE	NZ4292 4558	HAWTHORN BURN	NZ4136 4556	1.9								
250200102A	HAWTHORN BURN	SOURCE	NZ4292 4558	NORTH DENE	NZ3958 4264	4.4			02.2860					
250200101A	HAWTHORN BURN	NORTH DENE	NZ4426 4590	SEA	NZ4292 4558	1.6		e	02.2860			255597QS2		
250100201A	MURTON BECK	SOURCE	NZ4005 4650	DALTON BECK	NZ3908 4448	4	f	e						
250100102A	DALTON BECK	SOURCE	NZ4005 4650	MURTON BECK	NZ3870 4662	1.4	f	e	02.2850					
250100101A	DALTON BECK	MURTON BECK	NZ4300 4985	SEA	NZ4005 4650	5	f	e	02.2850		B	255599QS2		

* = CHANGE IN SAMPLE POINT

OUSE

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES														
RIVER URE														
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*	
271249035A	River Ure	Ure Head	SD8060996834	Great Gill	SD8319891982	9.7	a	b	10.0318	*	A	B	2911710	*
271249034A	River Ure	Great Gill	SD8319891982	Cotterdale Beck	SD8498691475	1.9	a	b	10.0318	*	A	B	2911710	*
271249033A	River Ure	Cotterdale Beck	SD8498691475	Widdale Beck	SD8589590830	1.3	a	b	10.0318	*	A	B	2911710	*
271249032A	River Ure	Widdale Beck	SD8589590830	Fossdale Gill	SD8642390784	0.6	a	b	10.0318	*	A	B	2911710	*
271249031A	River Ure	Fossdale Gill	SD8642390784	Duerley Beck	SD8766490507	1.8	a	b	10.0318	*	A	B	2911710	*
271249030A	River Ure	Duerley Beck	SD8766490507	Raygill Sike	SD9138690251	4.3	a	b	10.0318	*	A	B	2911710	*
271249029A	River Ure	Raygill Sike	SD9138690251	Sargill Beck	SD9351890776	2.4	a	b	10.0318	*	A	B	2911710	*
271249028A	River Ure	Sargill Beck	SD9351890776	Cogill Beck	SD9462090364	1.3	a	b	10.0318	*	A	B	2911710	*
271249027A	River Ure	Cogill Beck	SD9462090364	Gill Beck	SD9932589045	5.5	a	b	10.0318	*	A	B	2911710	*
271249026A	River Ure	Gill Beck	SD9932589045	Bishopdale Beck	SE0270789238	3.9	a	a	10.0314	*	A	A	2911690	
271249025A	River Ure	Bishopdale Beck	SE0270789238	Kendell Beck	SE0359489918	1.3	a	a	10.0314	*	B	A	2911690	
271249024A	River Ure	Kendell Beck	SE0359489918	Apedale Beck	SE0451290140	1.1	a	a	10.0314	*	B	A	2911690	
271249023A	River Ure	Apedale Beck	SE0451290140	Barney Beck	SE0462190261	0.5	a	a	10.0314	*	B	A	2911690	
271249022A	River Ure	Barney Beck	SE0462190261	Witton Beck	SE0682289341	2.6	a	a	10.0314	*	B	A	2911690	
271249021A	River Ure	Witton Beck	SE0682289341	Wensley Brook	SE0930089407	2.7	a	a	10.0314	*	B	A	2911690	
271249020A	River Ure	Wensley Brook	SE0930089407	Leyburn Beck	SE1118589150	2.4	a	a	10.0314	*	B	A	2911690	
271249019A	River Ure	Leyburn Beck	SE1118589150	Mill Beck	SE1222288925	1.8	a	a	10.0314	*	B	A	2911690	
271249018A	River Ure	Mill Beck	SE1222288925	Spennithorpe Beck	SE1323488612	1.6	a	a	10.0314	*	B	A	2911690	
271249017A	River Ure	Spennithorpe Beck	SE1323488612	River Cover	SE1460187266	2.4	a	a	10.0314	*	B	A	2911690	
271249016A	River Ure	River Cover	SE1460187266	East Witton Beck	SE1508587094	1.1	a	a	10.0314	*	B	A	2911690	
271249015A	River Ure	East Witton Beck	SE1508587094	Sowden Beck	SE1663086085	1.1	a	a	10.0314	*	B	A	2911690	
271249014A	River Ure	Sowden Beck	SE1663086085	Thornton Steward Beck	SE1794286236	1.9	a	a	10.0319		B	A	2911700	
271249013A	River Ure	Thornton Steward Beck	SE1794286236	River Burn	SE2310379795	13.2	a	a	10.0319		B	A	2911700	
271249012A	River Ure	River Burn	SE2310379795	Hutts Gill	SE2377477195	2.7	a	a	10.0319		B	A	2911700	
271249011A	River Ure	Hutts Gill	SE2377477195	North Stainley Beck	SE2935377385	8.7	a	a	10.0319		B	A	2911700	
271249010A	River Ure	North Stainley Beck	SE2935377385	Nunwick Beck	SE3164773578	6.3	a	a	10.0319		B	A	2911700	
271249009A	River Ure	Nunwick Beck	SE3164773578	River Skell	SE3257471015	3.1	a	a	10.0319		B	A	2911700	
271249008A	River Ure	River Skell	SE3257471015	Ripon Canal	SE3329667935	3.5	a	a	10.0321		B	B	2911680	
271249007A	River Ure	Ripon Canal	SE3329667935	Demains Beck	SE3363367552	0.5	a	a	10.0321		B	B	2911680	
271249006A	River Ure	Demains Beck	SE3363367552	Scour Gutter	SE3391367456	0.3	a	a	10.0321		B	B	2911680	
271249005A	River Ure	Scour Gutter	SE3391367456	Holbeck	SE3443567334	0.5	a	a	10.0321		B	B	2911680	
271249004A	River Ure	Holbeck	SE3443567334	River Tutt	SE3730166362	0.3	a	a	10.0321		B	B	2911680	
271249003C	River Ure	River Tutt	SE3730166362	Holbeck	SE3862767054	3.3	a	a	10.0321		B	B	2911680	
271249003B	River Ure	Holbeck	SE3862767054	River Tutt	SE3972767035	2	b	a	10.0323		C	B	2911670	
271249003A	River Ure	River Tutt	SE3972767035	River Swale	SE4056567488	1	b	a	10.0323		C	B	2911670	
271249002B	River Ure	River Swale	SE4056567488	River Tutt	SE3972767035	1	b	a	10.0323		C	B	2911670	
271249002A	River Ure	River Tutt	SE3972767035	River Swale	SE4056567488	2.9	a	b	10.0315		B	B	2911660	
271249001A	River Ure	River Swale	SE4056567488	River Ouse	SE4733860434	8.4	a	b	10.0315		B	B	2911660	

* = CHANGE IN SAMPLE POINT

			GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES										
			RIVER URE TRIBUTARIES										
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
271266801A	Great Gill	Mossdale Moor	SD7962989106	River Ure	SD8319891982	4.8		b	10.0318		B	2911710	*
271266701A	East Gill	East Gill Head	SD8387097448	Cotterdale Beck	SD8337493587	4				A			
271266601A	West Gill	West Gill Head	SD8124798351	Cotterdale Beck	SD8337493587	5.6				A			
271266501A	Cotterdale Beck	Confluence of West Gill a	SD8337493587	River Ure	SD8498691475	3.2	c	b	10.0318	*	A	B	2911710 *
271266401A	Snaizeholme Beck	Grove Head	SD8186983150	Widdale Beck	SD8344388584	6.4	b	b	10.0318	*	A	B	2911710 *
271266302A	Widdale Beck	Old Widdale Head	SD7941984868	Snaizeholme Beck	SD8344388584	6.4	b	b	10.0318	*	A	B	2911710 *
271266301A	Widdale Beck	Snaizeholme Beck	SD7941984868	River Ure	SD8589590830	3.5	b	b	10.0318	*	A	B	2911710 *
271266201A	Heame Beck	Great Shunner Fell	SD8493396993	Fossdale Gill	SD8609992601	4.8							
271266102A	Fossdale Gill	Thwaite Common	SD8573596998	Heame Beck	SD8609992601	4.5							
271266101B	Fossdale Gill	Heame Beck	SD8609992601	River Ure	SD8669491322	1.7	b	b	10.0318	*	B	2911710	*
271266101A	Fossdale Gill	Heame Beck	SD8669491322	River Ure	SD8642390784	1	b	b	10.0318	*	B	2911710	*
271266001A	Duerley Beck	Dodd Fell	SD8430983765	River Ure	SD8766490507	8.5	a	b	10.0318	*	B	B	2911710 *
271265901A	Raygill Sike	Common Allotments	SD8860787787	River Ure	SD9138690251	4.8							
271265801A	Sargill Beck	Abbotside Common	SD8818994178	River Ure	SD9351890776	7.2							
271265701A	Cragdale Water	Middle Tongue Farm	SD9073181457	Raydale Beck	SD8919182026	6							
271265601A	Bardale Beck	Bardale Head	SD8613783897	Raydale Beck	SD9106286050	6							
271265503A	River Bain/Raydale Beck	Woldside Grainings	SD8919182026	Cragdale Water	SD9095485967	4.5	c	a	10.0023	*	A	2910067	*
271265502A	River Bain/Raydale Beck	Cragdale Water	SD9095485967	Bardale Beck	SD9106286050	0.3		a	10.0023		A	2910067	*
271265501A	River Bain/Raydale Beck	Bardale Beck	SD9209187651	River Ure	SD9351890776	5.5		a	10.0023		A	2910067	*
271265401A	Whity Gill	Oxhop Common	SD9104395256	Coghill Beck	SD9209992715	2.9							
271265302A	Coghill Beck	Lever Gill Head	SD8853495127	Whity Gill	SD9209992715	4.3							
271265301A	Coghill Beck	Whity Gill	SD9209992715	River Ure	SD9462090364	3.7	c	b	10.0318	*	B	2911710	*
271265201A	Gill Beck	Thornston Russ Moor	SD9533287167	River Ure	SD9932589045	5.1							
271265101A	Riggs Beck	Source	SD9476482867	Bishopdale Beck	SD9665883474	2.4							
271265001A	Skellicks Beck	Heck Brow	SD9620085629	Bishopdale Beck	SD9964786130	4.5							
271264901A	Haw Beck	Haw Head	SD9661786603	Bishopdale Head	SE0075786758	4.7							
271264801A	Walden Beck	Windle Side	SD9685777412	Bishopdale Beck	SE0211888322	13.7							
271264705A	Bishopdale Beck/Kidstones	Bishopdale Head	SD9524780233	Riggs Beck	SD9665883474	3.7							
271264704A	Bishopdale Beck/Kidstones	Riggs Beck	SD9665883474	Skellicks Beck	SD9964786130	4.3							
271264703A	Bishopdale Beck/Kidstones	Skellicks Beck	SD9964786130	Haw Beck	SE0075786758	1.4							
271264702A	Bishopdale Beck/Kidstones	Haw Beck	SE0075786758	Walden Beck	SE0211888322	2.1							
271264701A	Bishopdale Beck/Kidstones	Walden Beck	SE0211888322	River Ure	SE0270789238	1.1							

* = CHANGE IN SAMPLE POINT

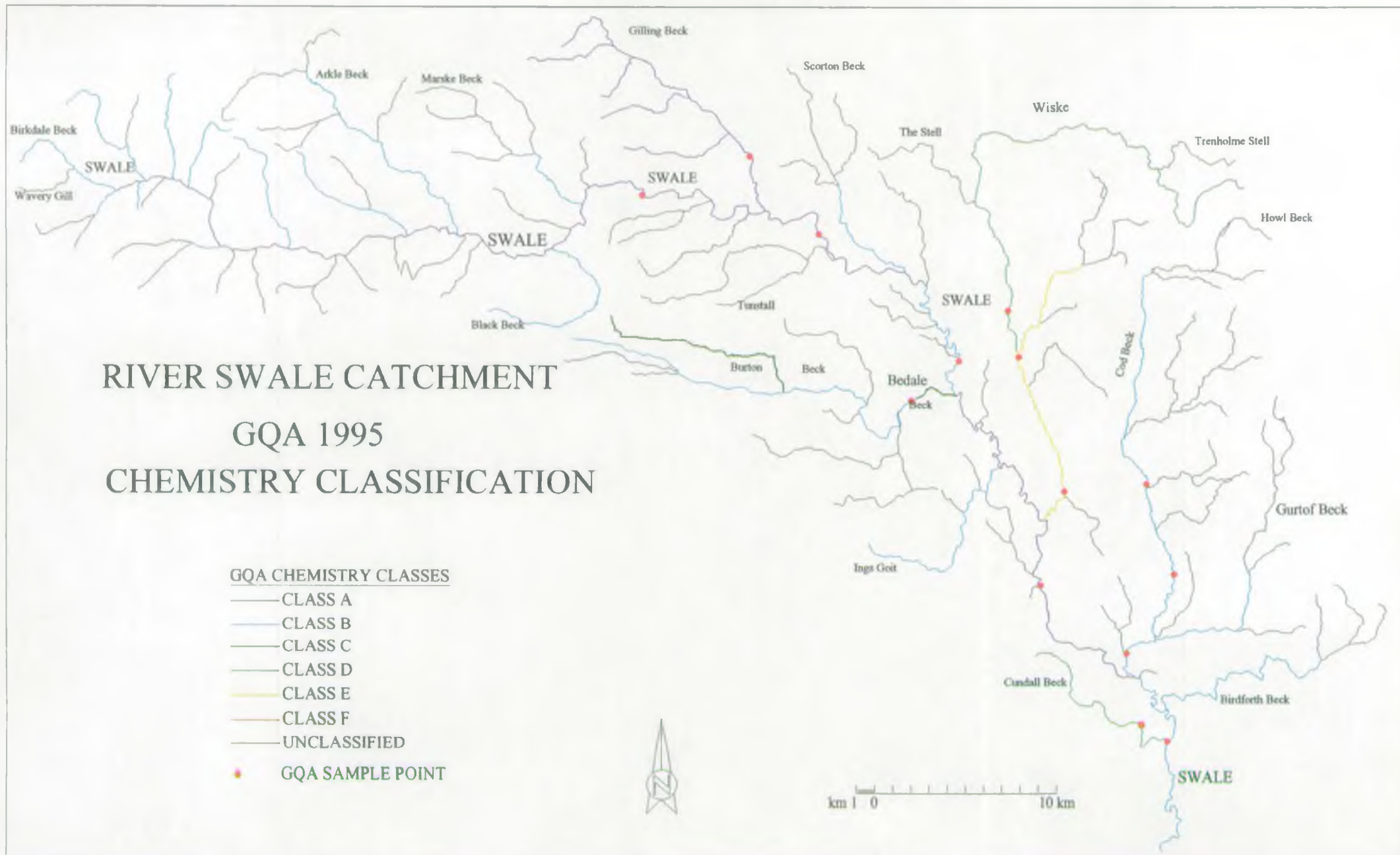
GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES RIVER URE TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
271264601C	Kendell Beck	Carperby	SE0102889822	River Ure	SE0213690076	1.5							
271264601B	Kendell Beck	Carperby	SE0213690076	River Ure	SE0317490246	1.5							
271264601A	Kendell Beck	Carperby	SE0317490246	River Ure	SE0359489918	1.5							
271264501A	Beldon Beck	Beldon Bottom	SD9704094014	Apedale Beck	SE0448190310	8.8		a	10.0314		A	2911690	*
271264402A	Apedale Beck	Apedale Head	SE0002595459	Beldon Beck	SE0448190310	8	a	a	10.0314	*	A	2911690	*
271264401A	Apedale Beck	Beldon Beck	SE0448190310	River Ure	SE0451290140	0.3	a	a	10.0314	*	A	2911690	*
271264301A	Barney Beck	Cob Scar Rake	SE0531092857	River Ure	SE0480590292	3.2							
271264201A	Witton Beck	West Witton Moor	SE0521887638	River Ure	SE0682289341	2.4							
271264101A	Wensley Brook	Cob Scar Rake	SE0578792874	River Ure	SE0930089407	6							
271264001A	Leyburn Beck	Leyburn	SE1128790470	River Ure	SE1118589150	1.6							
271263901A	Mill Beck	Leyburn	SE1224190257	River Ure	SE1222288925	1.6							
271263801A	Spennithorne Beck	Buck Bank	SE1617489801	River Ure	SE1323488612	4							
271263701A	Fleemis Gill	Bradley Moor	SE0145280632	River Cover	SE0586682851	5.6					A	A	*
271263601A	Turn Beck	Gammersgill Moor	SE0319983240	River Cover	SE0621183290	3.2					A	A	*
271263501A	Lead Up Gill	Great Haw	SE0720679611	River Cover	SE0719484211	5.1					A	A	*
271263401A	Cat Gill	Hodge Holes	SE0536686026	River Cover	SE0771184561	3.2					A	A	*
271263301A	Ulfers Gill	Barnley Moss	SE0840981570	River Cover	SE0903185341	4.7					A	A	*
271263201A	Greens Beck	Source	SE1009886631	River Cover	SE1042886261	0.8					A	A	*
271263107A	River Cover/East Stone Gi	Windle Side	SD9702877150	Fleemis Gill	SE0586682851	11.6	a	a	10.0086	*	A	A	2910920
271263106A	River Cover/East Stone Gi	Fleemis Gill	SE0586682851	Turn Beck	SE0621183290	0.6	a	a	10.0086	*	A	A	2910920
271263105A	River Cover/East Stone Gi	Turn Beck	SE0621183290	Lead Up Gill	SE0719484211	1.8	a	a	10.0086	*	A	A	2910920
271263104A	River Cover/East Stone Gi	Lead Up Gill	SE0719484211	Cat Gill	SE0771184561	0.8	a	a	10.0086		A	A	2910920
271263103A	River Cover/East Stone Gi	Cat Gill	SE0771184561	Ulfers Beck	SE0903185341	1.8	a	a	10.0086		A	A	2910920
271263102A	River Cover/East Stone Gi	Ulfers Beck	SE0903185341	Green's Beck	SE1042886261	2.1	a	a	10.0086		A	A	2910920
271263101A	River Cover/East Stone Gi	Green's Beck	SE1042886261	River Ure	SE1488187030	4.7	a	a	10.0086		A	A	2910920
271263001A	East Witton Beck	East Witton	SE1447086129	River Ure	SE1575286564	1.6							
271262901A	Sowden Beck	Jenny Blinks Moss	SE1117283870	River Ure	SE1663086085	6.8							
271262801A	Thomton Steward Beck	Thomton Steward	SE1767487013	River Ure	SE1794286236	1.6							
271262701A	New House Gill	Source	SE0955280816	River Burn	SE1130079887	3.2					A	A	*
271262601A	Thorny Crane Gill	Source	SE0955280816	River Burn	SE1125479920	3.2					A	A	*
271262501A	Birk Gill/Barnley Beck	Source	SE0907578529	River Burn	SE1130079887	6.4					A	A	*

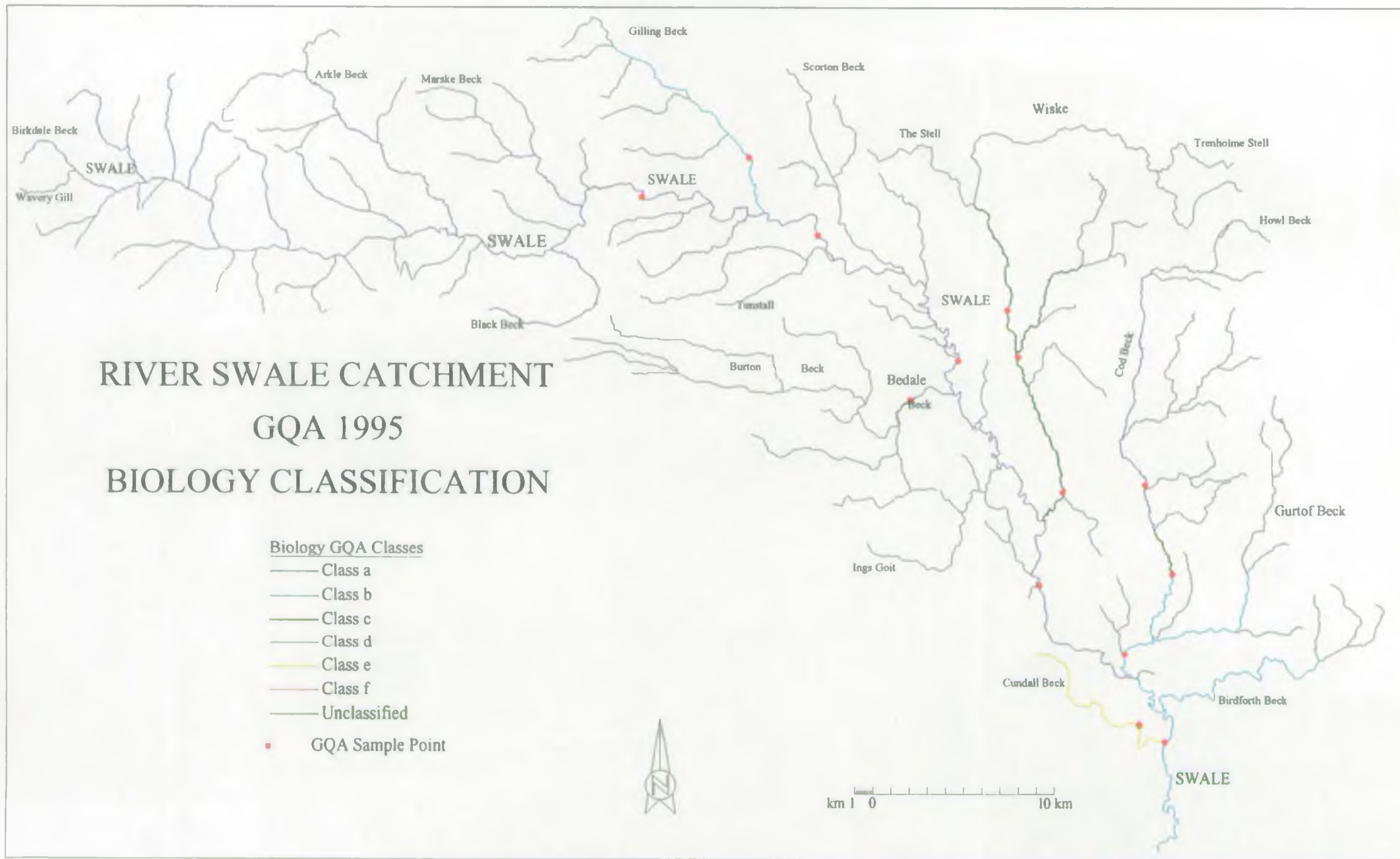
* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES														
RIVER URE TRIBUTARIES														
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*	
271262401A	Spruce Gill Beck	Brown Ridge	SE1055078086	River Burn	SE1552380769	6				A	A		*	
271262301A	Agill Beck	Pott Moor	SE1149576631	Roundhill Reservoir	SE1436576599	3.9				A	A		*	
271262201A	Writhen Stone Dike	Source	SE1451974687	Roundhill Reservoir	SE1513476253	2.6				A	A		*	
271262101A	Grimes Gill	Middle Ridge	SE1163077268	Leighton Reservoir	SE1500878719	4.8				A	A		*	
271262002A	Leighton Beck	Roundhill Reservoir	SE1513476253	Leighton Reservoir	SE1485678782	1.9				A	A		*	
271262001A	Leighton Beck	Leighton Reservoir	SE1627679066	River Burn	SE1708079879	2.1	b	a	10.0623	*	A	A	2910900	
271261901A	Sole Beck/Cat Gill	Masham Moor	SE1726675872	River Burn	SE1911079951	5.1				B	A		*	
271261801A	Den Beck	Source	SE2003877400	River Burn	SE2229279975	3.9				B	A		*	
271261701A	Swinney Beck	Witton Moor	SE1486383478	River Burn	SE2244479866	9.7				B	A		*	
271261607A	River Burn	Conf. New House Gill/Thom	SE1130079887	Birk Gill	SE1423981282	3.5	a	a	10.0623	*	A	A	2910900	
271261606A	River Burn	Birk Gill	SE1423981282	Spruce Gill Beck	SE1552380769	1.6	a	a	10.0623	*	A	A	2910900	
271261605A	River Burn	Spruce Gill Beck	SE1552380769	Leighton Beck	SE1708079879	1.9	a	a	10.0623	*	A	A	2910900	
271261604A	River Burn	Leighton Beck	SE1708079879	Sole Beck	SE1911079951	2.1	a	a	10.0623	*	A	A	2910900	
271261603A	River Burn	Sole Beck	SE1911079951	Den Beck	SE2229279975	3.5	a	a	10.0053		B	A	2910910	
271261602A	River Burn	Den Beck	SE2229279975	Swinney Beck	SE2244479866	0.3	a	a	10.0053		B	A	2910910	
271261601A	River Burn	Swinney Beck	SE2244479866	River Ure	SE2310379795	0.8	a	a	10.0053		B	A	2910910	
271261501A	Hutts Gill	Source	SE2089277685	River Ure	SE2377477195	4								
271261401B	North Stainley Beck	Moor Hills	SE2843576730	River Ure	SE2894277456	1.2								
271261401A	North Stainley Beck	Moor Hills	SE2894277456	River Ure	SE2935377385	0.4								
271261301A	Upsland Stell	Dusk Hills	SE3086179750	Norton Beck	SE3145377685	2.6								
271261202A	Norton Beck	Source	SE3021678955	Upsland Stell	SE3145377685	2.1								
271261201A	Norton Beck	Upsland Stell	SE3145377685	Nunwick Beck	SE3249976784	1.6								
271261102A	Nunwick Beck/Wath Beck	Mire Hills	SE3298880649	Norton Beck	SE3249976784	3.9								
271261101A	Nunwick Beck/Wath Beck	Norton Beck	SE3249976784	River Ure	SE3164773578	4.2								
271261001A	Stock Beck	Source	SE1646875288	Carlesmoor Beck	SE1993273572	4.8								
271260902A	Carlesmoor Beck/Black Dik	Source	SE1555474035	Stock Beck	SE1993273572	6.6								
271260901A	Carlesmoor Beck/Black Dik	Stock Beck	SE1993273572	River Laver	SE2125473047	1.6								
271260801A	Crimbledale Beck	Spring House	SE2165976810	Kex Beck	SE2314274743	2.9								
271260702A	Kex Beck/Wreakes Beck	Grewelthorpe Moor	SE1861076372	Crimbledale Beck	SE2314274743	5								
271260701B	Kex Beck/Wreakes Beck	Crimbledale Beck	SE2314274743	River Laver	SE2565074483	3		b	10.0592	*		A	2911550	*
271260701A	Kex Beck/Wreakes Beck	Crimbledale Beck	SE2565074483	River Laver	SE2760972732	3.1		b	10.0592	*		A	2911550	*
271260603A	River Laver/South Gill Be	Dallowgill Moor	SE1555270951	Carlexmoor Beck	SE2125473047	6.1	a	b	10.0592	*	A	A	2911550	
271260602A	River Laver/South Gill Be	Carlesmoor Beck	SE2125473047	Kex Beck	SE2760972732	10.5	a	b	10.0592	*	A	A	2911550	
271260601A	River Laver/South Gill Be	Kex Beck	SE2760972732	River Skell	SE3042770707	4	a	b	10.0592	*	A	A	2911550	
271260503A	River Skell/Skell Gill/Sk	Dallow Moor	SE1613869076	River Laver	SE3042770707	17.7	a	b	10.0592	*	A	A	2911550	
271260502A	River Skell/Skell Gill/Sk	River Laver	SE3042770707	Ripon Canal	SE3163070933	1.1	a	b	10.0592	*	A	A	2911550	
271260501A	River Skell/Skell Gill/Sk	Ripon Canal	SE3163070933	River Ure	SE3257471015	1.3		b	10.0592	*	A	A	2911550	
271260401A	Demains Beck	Hood Hole	SE3081967528	River Ure	SE3363367552	3.2								
271260301A	Bishop Monkton Beck/Ings	Well Head	SE3153365743	Holbeck	SE3391367456	3								
271260201A	Scour Gutter	Skelton	SE3555468574	River Ure	SE3443567334	3.2								
271260101B	Holbeck	Sawley Moor	SE2127166064	Bishop Monkton Beck/Ings	SE3458666963	22.2								
271260101A	Holbeck	Bishop Monkton Beck/Ings	SE3458666963	River Ure	SE3476067181	0.2								
271260001A	River Tutt	Nidd Hall	SE3068060948	River Ure	SE3972767035	13.7			10.0323	*		C	2911670	*

* = CHANGE IN SAMPLE POINT

SWALE





GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES																
RIVER SWALE																
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1996	1995 BIO SPT Code	* CHEM 1990	CHEM 1996	1995 CHEM SPT CODE	*			
271249140A	River Swale	C.Birkdale Beck/Great Sle	SD8564600870	Great Ash Gill	SD8698501334	1.6	a	a	10.0291	*	A	A	2991610			
271249139A	River Swale	Great Ash Gill	SD8698501334	Whitsundale Beck	SD8730301402	0.5	a	a	10.0291	*	A	A	2991610			
271249138A	River Swale	Whitsundale Beck	SD8730301402	Blackburn Beck	SD8839701608	1.3	a	a	10.0291	*	A	A	2991610			
271249137A	River Swale	Blackburn Beck	SD8839701608	Stonesdale Beck	SD8878101517	0.5	a	a	10.0291	*	A	A	2991610			
271249136A	River Swale	Stonesdale Beck	SD8878101517	East Gill	SD8961101056	1	a	a	10.0291	*	A	A	2991610			
271249135A	River Swale	East Gill	SD8961101056	Hind Hole Beck	SD9081900448	1.4	a	a	10.0291	*	A	A	2991610			
271249134A	River Swale	Hind Hole Beck	SD9081900448	Muker Beck	SD9134397942	2.9	a	a	10.0291	*	A	A	2991610			
271249133A	River Swale	Muker Beck	SD9134397942	Routin Gill	SD9202997715	0.8	a	a	10.0291	*	A	A	2991610			
271249132A	River Swale	Routin Gill	SD9202997715	Oxnop Beck	SD9322797788	1.3	a	a	10.0291	*	A	A	2991610			
271249131A	River Swale	Oxnop Beck	SD9322797788	Gunnerside Gill	SD9505697800	1.9	a	a	10.0291	*	A	A	2991610			
271249130A	River Swale	Gunnerside Gill	SD9505697800	Summer Lodge Beck	SD9764997459	3.2	a	a	10.0291	*	A	A	2991610			
271249129A	River Swale	Summer Lodge Beck	SD9764997459	Birks Gill	SD9816097402	0.5	a	a	10.0291	*	A	A	2991610			
271249128A	River Swale	Birks Gill	SD9816097402	Browna Gill	SE0091498390	2.7	a	a	10.0291	*	A	A	2991610			
271249127A	River Swale	Browna Gill	SE0091498390	Barney Beck	SE0158198501	0.8	a	a	10.0291	*	A	A	2991610			
271249126A	River Swale	Barney Beck	SE0158198501	Arkle Beck	SE0437498558	3.4	a	a	10.0291	*	A	A	2991610			
271249125A	River Swale	Arkle Gill	SE0437498558	Grinton Gill	SE0467498517	0.5	a	a	10.0291	*	A	A	2991610			
271249124A	River Swale	Grinton Gill	SE0467498517	Cogden Gill	SE0578698252	1.1	a	a	10.0291	*	A	A	2991610			
271249123A	River Swale	Cogden Gill	SE0578698252	Gill Beck	SE0955397818	4.5	a	a	10.0291	*	A	A	2991610			
271249122A	River Swale	Gill Beck	SE0955397818	Oxque Gill	SE1054798800	1.4	a	a	10.0291	*	A	A	2991610			
271249121A	River Swale	Oxque Gill	SE1054798800	Marske Beck	NZ1120400108	2.4	a	a	10.0291	*	A	A	2991610			
271249120A	River Swale	Marske Beck	NZ1120400108	Clappgate Gill	NZ1156701087	1.3	a	a	10.0291	*	A	A	2991610			
271249119A	River Swale	Clappgate Gill	NZ1156701087	Sand Beck	NZ1829400426	8.2	a	a	10.0291	*	A	A	2991610			
271249118A	River Swale	Sand Beck	NZ1829400426	Colburn Beck	SE2041799725	3.7	a	a	10.0291	*	A	A	2991610			
271249117A	River Swale	Colburn Beck	SE2041799725	Skeeby Beck	SE2124599864	0.8	a	a	10.0291	*	A	A	2991610			
271249116A	River Swale	Skeeby Beck	SE2124599864	Brough Beck	SE2509597251	6.3	a	a	10.0292	*	B	A	2991580			
271249115A	River Swale	Brough Beck	SE2509597251	Scorton Beck	SE2894596567	3.7	b	a	10.0292	*	B	A	2991580			
271249114A	River Swale	Scorton Beck	SE2894596567	The Stell	SE3012795813	2.9	b	a	10.0292	*	B	A	2991580			
271249113A	River Swale	The Stell	SE3012795813	Lowfield Beck	SE3030894322	2.3	a	a	10.0298	*	B	B	2991620			
271249112A	River Swale	Lowfield Beck	SE3030894322	Mill Beck	SE3070193735	0.6	a	a	10.0298	*	B	B	2991620			
271249111A	River Swale	Mill Beck	SE3070193735	Common Stell	SE3193791847	3.5	a	a	10.0298	*	B	B	2991620			
271249110A	River Swale	Common Stell	SE3193791847	Bedale Beck	SE3173489975	2.1	a	a	10.0298	*	B	B	2991620			
271249109A	River Swale	Bedale Beck	SE3173489975	How Beck	SE3308688571	3.4	b	a	10.0295	*	B	A	2991640			
271249108A	River Swale	How Beck	SE3308688571	Healam Beck	SE3415586135	4.2	b	a	10.0295	*	B	A	2991640			
271249107A	River Swale	Healam Beck	SE3415586135	River Wiske	SE3663783294	5	b	a	10.0295	*	B	A	2991640			
271249106A	River Swale	River Wiske	SE3663783294	Pickhill Beck	SE3597380365	4	b	a	10.0295	*	B	A	2991640			
271249105B	River Swale	Pickhill Beck	SE3597380365	Baldersby Beck	SE3638579804	0.8	b	a	10.0295	*	B	A	2991640			
271249105A	River Swale	Baldersby Beck	SE3638579804	Cod Beck	SE4146074886	8.9	b	a	10.0295	*	B	A	2991640			
271249104A	River Swale	Cod Beck	SE4146074886	Pit Ings Stell	SE4181774789	0.5	b	a	10.0295	*	B	A	2991640			
271249103A	River Swale	Pit Ings Stell	SE4181774789	Birdforth Beck	SE4322073097	3.5	c	b	10.0293	*	B	B	2991570			
271249102A	River Swale	Birdforth Beck	SE4322073097	Cundall Beck	SE4333671440	7.7	c	b	10.0293	*	B	B	2991570			
271249101A	River Swale	Cundall Beck	SE4333671440	River Ure	SE4306665992	1.8	c	b	10.0293	*	B	B	2991570			

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES														
RIVER SWALE TRIBUTARIES														
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1996	1996 BIO SPT Code	* CHEM 1990	CHEM 1996	1996 CHEM SPT CODE	*	
271267201A	Baldersby Beck	Baldersby Sewage Works	SE3588279103	River Swale	SE3638579804	1.3								
271259901A	Little Sleddale Beck/Broc	High Seat	SD8041001043	Birkdale Beck	SD8345102034	4								
271259802A	Birkdale Beck	Lodge Hags	SD8044402404	Little Sleddale Beck	SD8345102034	4.3		a	10.0291	*	B	2991610	*	
271259801A	Birkdale Beck	Little Sleddale Beck	SD8345102034	River Swale	SD8564600870	2.6		a	10.0291	*	B	2991610	*	
271259701A	Wavery Gill	Source	SD8448799562	Great Sleddale Beck	SD8342197788	1.9								
271259602A	Great Sleddale Beck	Source	SD8131099087	Wavery Gill	SD8448799562	3.9								
271259601A	Great Sleddale Beck	Wavery Gill	SD8448799562	River Swale	SD8564600870	1.9		a	10.0291		B	2991610	*	
271259501A	Great Ash Gill	Source	SD8683499873	River Swale	SD8698501334	1.6		a	10.0291		B	2991610	*	
271259401A	Hoods Bottom Beck	Fog Close	SD8689706015	Whitsundale Beck	SD8629303356	3.2								
271259302A	Whitsundale Beck	White Mossy Hill	SD8298005564	Hoods Bottom Beck	SD8629303356	5.8		a	10.0291	*	B	2991610	*	
271259301A	Whitsundale Beck	Hoods Bottom Beck	SD8629303356	River Swale	SD8730301402	2.3		a	10.0291	*	B	2991610	*	
271259201A	Blackburn Beck	Source	SD8710899957	River Swale	SD8839701608	1.9								
271259101A	Stonesdale Beck	Standing Stones	SD8889007243	River Swale	SD8878101517	6.4		a	10.0291		B	2991610	*	
271259001A	East Gill	Source	SD9195404180	River Swale	SD8961101056	4.8		a	10.0291		B	2991610	*	
271258901A	Hind Hole Beck	Source	SD9241102879	River Swale	SD9081900448	3.2								
271258801A	Thwaite Beck	Shunner Fell Hags	SD8549097217	Muker Beck	SD8981298080	4.8								
271258701A	Cliff Beck	Bull Bogs	SD8698895577	Muker Beck	SD8981298080	3.5								
271258601A	Muker Beck	Confluence of Thwaite And	SD8981298080	River Swale	SD9134397942	1.6	a	a	10.0291	*	B	2991610	*	
271258501A	Routin Gill	Routin Gill Head	SD9112295374	River Swale	SD9202997715	2.9								
271258401A	Oxnop Beck	Oxnop Beck Head	SD9372694296	River Swale	SD9322797788	3.5								
271258301A	Gunnarside Gill	Wham Bottom	SD9210203791	River Swale	SD9505697800	6.8		a	10.0291		B	2991610	*	
271258201A	Scurvy Scar Beck	Goodwell Seat	SD9660395803	Summer Lodge Beck	SD9723894460	1.6								
271258102A	Summer Lodge Beck	Great Bull Head	SD9455895435	Scurvy Scar Beck	SD9660295803	2.3								
271258101A	Summer Lodge Beck	Scurvy Scar Beck	SD9660295803	River Swale	SD9764997459	2.1								
271258001A	Birks Gill	Source	SD9995495488	River Swale	SD9816097402	2.4								
271257901A	Browna Gill	Gibbon Hill	SE0114296642	River Swale	SE0091498390	2.4								
271257801A	Bleaberry Gill	Wetshaw Head	SD9739602806	Barney Beck	SD9958499894	3.2								
271257702A	Barney Beck/Hard Level Gi	Source	SD9551503066	Bleaberry Gill	SD9958499894	5.8	b	a	10.0291	*	B	2991610	*	
271257701A	Barney Beck/Hard Level Gi	Bleaberry Gill	SD9958499894	River Swale	SE0158198501	2.6	b	a	10.0291	*	B	2991610	*	
271257601A	Mud Beck	Bledkhow Well	NZ9787909254	Arkle Beck	NZ9608107408	3.2								
271257501A	William Gill	Water Crag	NZ9215004787	Arkle Beck	NZ9608107408	4								
271257401A	Little Punchard Gill	Little Punchard Head	NZ9433503399	Great Punchard Gill	NZ9677804692	3.2								

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER SWALE TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
271257302A	Great Punchard Gill	Little Water Crag	NZ9340804307	Little Punchard Gill	NZ9677804692	3.5							
271257301A	Great Punchard Gill	Little Punchard Gill	NZ9677804692	Arkle Beck	NZ9791805029	1.3							
271257201A	Eskeleth Gill	Hurr Gill Rigg	NZ0158107042	Arkle Beck	NZ0000603571	4							
271257103A	Arkle Beck	Confluence of William Gil	NZ9608107408	Great Punchard Gill	NZ9791805029	2.4	a	a	10.0291	*	B	2991610	*
271257102A	Arkle Beck	Great Punchard Gill	NZ9791805029	Eskeleth Gill	NZ0000603571	2.9	a	a	10.0291	*	B	2991610	*
271257101B	Arkle Beck	Eskeleth Gill	NZ0000603571	River Swale	SE0432098926	7	a	a	10.0291	*	B	2991610	*
271257101A	Arkle Beck	Eskeleth Gill	SE0432098926	River Swale	SE0437498558	0.8	a	a	10.0291	*	B	2991610	*
271257001A	Grinton Gill	Gibbon Hill	SE0127096342	River Swale	SE0467498517	4.8							
271256901A	Cogden Gill	Greets Moss	SE0343995173	River Swale	SE0578698252	4							
271256801A	Gill Beck/Black Beck	Preston Moor	SE0607094478	River Swale	SE0955397818	12.1		a	10.0291		B	2991610	*
271256701A	Oxque Gill	Source	NZ0631201022	River Swale	SE1054798800	4.8							
271256601A	Moresdale Gill	Potter's Bog	NZ0266805580	Amdale Beck	NZ0540804986	3.2							
271256502A	Amdale Beck	Amdale Bog	NZ0207406260	Moresdale Gill	NZ0540804986	4.7							
271256501A	Amdale Beck	Moresdale Gill	NZ0540804986	Marske Beck	NZ0738802890	3.1							
271256401A	Shaw Beck	Roan Head	NZ0398802983	Marske Beck	NZ0738802890	4.8							
271256301A	Rake Beck	Source	NZ0632606801	Marske Beck	NZ0860302946	4.8							
271256202A	Marske Beck	Confluence of Amdale Bec	NZ0738802890	Rake Beck	NZ0860302946	1.3	a	a	10.0291	*	B	2991610	*
271256201A	Marske Beck	Rake Beck	NZ0860302946	River Swale	NZ1120400108	4	a	a	10.0291	*	B	2991610	*
271256101A	Clapgate Gill	Feldon	NZ1135603832	River Swale	NZ1156701087	3.2							
271256001A	Badger Beck	Coalpit Hill	SE1313598058	Sand Beck	SE1678799841	4							
271255902B	Sand Beck	Downholme Moor	SE1567599713	Badger Beck	SE1270998037	4							
271255902A	Sand Beck	Downholme Moor	SE1567599713	Badger Beck	SE1678799841	1							
271255901A	Sand Beck	Badger Beck	SE1678799841	River Swale	NZ1829400426	1.6							
271255801A	Colburn Beck/Risedale Bec	Hipswell Moor	SE1425197222	River Swale	SE2041799725	8.8							
271255701A	Stalwath Beck/Burdeys Gil	Source	NZ1004408749	Dalton Beck	NZ1288108774	4.8				A	A		*
271255601A	Priest Gill	Source	NZ1221506099	Holme Beck	NZ1399608141	2.9				A	A		*
271255501A	Smelt Mill Beck	Source	NZ1220604888	Gilling Beck	NZ1710605987	6.4				A	A		*
271255401A	Aske Beck	Jagger Well	NZ1349503198	Skeeby Beck	NZ1927904059	6.4				A	A		*

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES														
RIVER SWALE TRIBUTARIES														
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE		
271255305A	Skeeby/Gilling/Holme/Dalt	Source	NZ0818708008	Stalwath Beck	NZ1288108774	4				A	A		*	
271255304A	Skeeby/Gilling/Holme/Dalt	Stalwath Beck	NZ1288108774	Priest Gill	NZ1399608141	1.4		b	10.0273	A	A	2991781		
271255303A	Skeeby/Gilling/Holme/Dalt	Priest Gill	NZ1399608141	Smelt Mill Beck	NZ1710605987	4.3		b	10.0273	A	A	2991781		
271255302A	Skeeby/Gilling/Holme/Dalt	Smelt Mill Beck	NZ1710605987	Aske Beck	NZ1927904059	3.2		b	10.0273	A	A	2991781		
271255301A	Skeeby/Gilling/Holme/Dalt	Aske Beck	NZ1927904059	River Swale	SE2124599864	5.1	a	b	10.0273	A	A	2991781		
271255201A	Tunstall Beck	Source	SE1858094828	Brough Beck	SE2360097242	5.6								
271255102A	Brough Beck/Sour Beck/Sco	Barden Moor	SE1443895315	Tunstall Beck	SE2360097242	11.3								
271255101A	Brough Beck/Sour Beck/Sco	Tunstall Beck	SE2360097242	River Swale	SE2509597251	2.1								
271255001A	Howl Beck	Source	NZ2519006218	Scorton Beck	NZ2501201744	4.8								
271254901C	Kirk Beck/Five Hills Beck	Source	NZ2246707579	Scorton Beck	NZ2333806505	1.4								
271254901B	Kirk Beck/Five Hills Beck	Source	NZ2333806505	Scorton Beck	NZ2374804991	2								
271254901A	Kirk Beck/Five Hills Beck	Source	NZ2374804991	Scorton Beck	NZ2501201744	3								
271254801A	Bridgewarh Beck	Source	NZ2202802264	Scorton Beck	NZ2527301266	5.6								
271254702A	Scorton Beck	Confluence of Howl Beck a	NZ2501201744	Bridgewarh Beck	NZ2527301266	0.5								
271254701A	Scorton Beck	Bridgewarh Beck	NZ2527301266	River Swale	SE2894596567	5.5			10.0298		B	2991620	*	
271254601A	The Stell/Rawcar Beck	Source	NZ2753901982	River Swale	SE3012795813	8								
271254501A	Lowfield Beck	Kirkby Hall	SE2812595888	River Swale	SE3030894322	3.2								
271254401A	Mill Beck	Source	SE2699995110	River Swale	SE3070193735	4.8								
271254301A	Common Stell	Source	SE2976193199	River Swale	SE3193791847	3.2								
271254201A	Whipperdale Beck	Source	SE1018891844	Bellerby Beck	SE1643691256	6.4								
271254101A	Sun Beck	Source	SE1389191127	Burton Beck	SE1645591103	3.2								
271254001A	Brompton Beck/Gariston B	Source	SE1277194211	Newton Beck	SE2225890139	12.9			10.0032		C	2990110	*	
271253901A	Scurf Beck	Hornby	SE2229694092	Bedale Beck	SE2679089511	7.2								
271253801A	Rand Beck	Source	SE2441689178	Bedale Beck	SE2644689033	2.4								
271253701A	Gallop Beck	Source	SE2505384147	Old Stell	SE2932484845	3.2								
271253601A	Firby Beck	Source	SE2053487848	Old Stell	SE2859886892	9.7								
271253503A	Old Stell	Burneston	SE3076984929	Gallop Beck	SE2932484845	2.1								
271253502A	Old Stell	Gallop Beck	SE2932484845	Firby Beck	SE2859886892	2.1								
271253501A	Old Stell	Firby Beck	SE2859886892	Bedale Beck	SE2864889149	1.8								

* = CHANGE IN SAMPLE POINT

			GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADINGS												
			RIVER SWALE TRIBUTARIES												
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*		
271253407A	Bedale/Newton/Burton/Bell	Bellerby Moor	SE1064092979	Whipperdale Beck	SE1643691256	6.3			10.0032	*	B	B	2990110		
271253406A	Bedale/Newton/Burton/Bell	Whipperdale Beck	SE1643691256	Sun Beck	SE1645591103	0.3			10.0032	*	B	B	2990110		
271253405A	Bedale/Newton/Burton/Bell	Sun Beck	SE1645591103	Brompton Beck	SE2225890139	6			10.0032	*	B	B	2990110		
271253404A	Bedale/Newton/Burton/Bell	Brompton Beck	SE2225890139	Scurf Beck	SE2679089511	5.1			10.0032	*	B	B	2990110		
271253403A	Bedale/Newton/Burton/Bell	Scurf Beck	SE2679089511	Rand Beck	SE2644689033	0.6			10.0032	*	B	B	2990110		
271253402A	Bedale/Newton/Burton/Bell	Rand Beck	SE2644689033	Old Stell	SE2864889149	3.2			10.0032	*	B	B	2990110		
271253401C	Bedale/Newton/Burton/Bell	Old Stell	SE2956089836	River Swale	SE2864889149	1	a	c	10.0032	*	B	B	2990110		
271253401B	Bedale/Newton/Burton/Bell	Old Stell	SE2956089836	River Swale	SE3043590395	1			10.0032	*		C	2990110		
271253401A	Bedale/Newton/Burton/Bell	Old Stell	SE3043590395	River Swale	SE3173489975	2.5			10.0032	*		C	2990110		
271253301A	How Beck	Alderby Steeple	SE3349191857	River Swale	SE3308688571	4									
271253201A	Bumeston Beck	Bumeston	SE3097284878	Healam Beck	SE3216983718	1.6									
271253101A	Ings Golt	Well	SE2696982114	Healam Beck	SE3216983718	12.9			10.0295			B	2991640		
271253001A	Swainby Beck	Source	SE3213086767	Healam Beck	SE3308684873	2.9									
271252902A	Healam Beck	Conf. Bumeston Beck and I	SE3216983718	Swainby Beck	SE3308684873	1.6			10.0295			B	2991640		
271252901A	Healam Beck	Swainby Beck	SE3308684873	River Swale	SE3415586135	1.9			10.0295	*		B	2991640		
271252801A	Trenholme Stell	Source	NZ4703402561	River Wiske	NZ4278102137	4.8									
271252701A	The Stell	Source	NZ2697203314	River Wiske	NZ3278900330	6.4									
271252601A	Deighton Beck	Source	NZ3909602025	Ings Beck	NZ3986700521	1.6									
271252501A	Harsley Beck	Source	SE4231299344	Winton Beck	SE4023197493	3.2									
271252402A	Winton Beck	Source	SE4105296952	Harsley Beck	SE4023197493	2.7									
271252401A	Winton Beck	Harsley Beck	SE4023197493	Brompton beck	SE3869096994	1.9									
271252301A	Turker Beck	Source	SE3836094858	Willow Beck	SE3635593862	1.9									
271252204A	Willow Beck/Brompton Beck	Source	NZ3982801108	Deighton Beck	NZ3986700521	0.6									
271252203A	Willow Beck/Brompton Beck	Deighton Beck	NZ3986700521	Winton Beck	SE3869096994	4.2									
271252202A	Willow Beck/Brompton Beck	Winton Beck	SE3869096994	Turker Beck	SE3635593862	4.7	d	c	10.0357	*		E	2991730		
271252201B	Willow Beck/Brompton Beck	Turker Beck	SE3550393182	River Wiske	SE3635593862	1.3	e	c	10.0357	*		E	2991730		
271252201A	Willow Beck/Brompton Beck	Turker Beck	SE3550393182	River Wiske	SE3508992298	1.1	e	c	10.0357	*		E	2991730		
271252101A	Otterington Beck	Thornton-LE-Beans	SE4004389866	River Wiske	SE3575890456	7.2									
271252001A	Sike Stell	Source	SE3984981402	River Wiske	SE3768984513	3.2									

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES														
RIVER SWALE TRIBUTARIES														
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1996 BIO SPT Code	CHEM 1990	CHEM 1995	1996 CHEM SPT CODE		
271251906A	River Wiske/Carr Beck	Source	NZ4750501121	Trenholme Stell	NZ4278102137	8.5			10.0353	D	D	2991760		
271251905A	River Wiske/Carr Beck	Trenholme Stell	NZ4278102137	The Stell	NZ3278900330	15.6			10.0353	D	D	2991760		
271251904A	River Wiske/Carr Beck	The Stell	NZ3278900330	Willow Beck	SE3508992298	8.8	c	c	10.0353	D	D	2991760		
271251903A	River Wiske/Carr Beck	Willow Beck	SE3508992298	Otterington Beck	SE3575890456	5	d	c	10.0357	E	E	2991755		*
271251902A	River Wiske/Carr Beck	Otterington Beck	SE3575890456	Sike Stell	SE3768984513	3.7	c	c	10.0354	D	E	2991740		
271251901A	River Wiske/Carr Beck	Sike Stell	SE3768984513	River Swale	SE3663783294	1.9	c	c	10.0354	D	E	2991740		
271251801A	Sikes Beck	Source	SE3346283292	Pickhill Beck	SE3476182221	2.4								
271251702A	Pickhill Beck	Source	SE3346884746	Sikes Beck	SE3476182221	1.8								
271251701A	Pickhill Beck	Sikes Beck	SE3476182221	River Swale	SE3597380365	2.3								
271251601A	Oakdale Beck	Source	SE4864196633	Cod Beck	SE4578996618	1.6								
271251501A	Howl Beck	Source	SE4626795656	Cod Beck	SE4249196532	3.2								
271251401A	Bridge Beck	Source	SE4846591965	Old Beck	SE4611091466	2.6								
271251301A	Sorrow Beck	Source	SE4706194682	Old Beck	SE4611091466	4								
271251201B	Old Beck	Confluence of Sorrow and	SE4611091466	Little Beck	SE4532790931	1								
271251201A	Old Beck	Confluence of Sorrow and	SE4532790931	Little Beck	SE4418189168	2.5								
271251102A	Little Beck	Source	SE4660188838	Old Beck	SE4418189168	3.2								
271251101A	Little Beck	Old Beck	SE4418189168	Broad Beck	SE4344989065	1								
271251001A	Woundales Beck/Leake Stel	Source	SE4488694379	Broad Beck	SE4344989065	6.4								
271250901A	Broad Beck	Conf.Woundales and Little	SE4344989065	Cod Beck	SE4101187724	2.7								
271250801A	Nevison Beck/Eller Beck	Source	SE4774985669	Spital Beck	SE4466185507	3.9								
271250701A	Beckpath Beck	Source	SE4560287504	Spital Beck	SE4466185507	2.4								
271250601A	Spital Beck	Conf.Beckpath Beck and Ne	SE4466185507	Cod Beck	SE4222984982	2.4								
271250501A	Whitelass Beck	Source	SE4685885400	Cod Beck	SE4272082756	6.4								
271250401A	Paradise Beck	Source	SE4431281647	Cod Beck	SE4263377046	5.6								
271250301A	Lunshaw Beck	Source	SE4930189931	Sutton Beck	SE4937188675	5.1								
271250201A	Hood Beck	Source	SE5001282028	Thirkleby Beck	SE4779080495	3.2								
271250101B	Carr Dike	Source	SE5086877613	Willow Beck	SE4996277221	1								
271250101A	Carr Dike	Source	SE4996277221	Willow Beck	SE4712377413	3.2								

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER SWALE TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
271250004A	Willow/Isle/Thirkleby/Sut	Boltby Moor	SE4867788591	Lunshaw Beck	SE4917685638	3.7							
271250003A	Willow/Isle/Thirkleby/Sut	Lunshaw Beck	SE4917685638	Hood Beck	SE4779080495	6.1							
271250002A	Willow/Isle/Thirkleby/Sut	Hood Beck	SE4779080495	Carr Dike	SE4712377413	3.4		b	10.0075	*	B	2990190	*
271250001A	Willow/Isle/Thirkleby/Sut	Carr Dike	SE4712377413	Cod Beck	SE4265276880	4.8		b	10.0075	*	B	2990190	*
271249901A	Great Pasture Beck	Source	SE3972278754	Thacker Beck	SE4067877402	1.8							
271249802A	Thacker Beck	Source	SE4065180286	Great Pasture Beck	SE4067877402	3.5							
271249801A	Thacker Beck	Great Pasture Beck	SE4067877402	Cod Beck	SE4104175954	1.4							
271249709A	Cod Beck	Thimbleby Moor	SE4678799227	Oakdale Beck	SE4623398551	3.2							
271249708C	Cod Beck	Oakdale Beck	SE4578996618	Howl Beck	SE4468796697	1.2							
271249708B	Cod Beck	Oakdale Beck	SE4468796697	Howl Beck	SE4284496861	2							
271249708A	Cod Beck	Oakdale Beck	SE4284496861	Howl Beck	SE4249196532	0.5							
271249707A	Cod Beck	Howl Beck	SE4249196532	Broad Beck	SE4101187724	9.2	a	a	10.0685	*	B	B	2990188
271249706A	Cod Beck	Broad Beck	SE4101187724	Spital Beck	SE4222984982	3.5	b	a	10.0685	*	B	B	2990188
271249705A	Cod Beck	Spital Beck	SE4222984982	Whitelass Beck	SE4272082756	2.7	b	a	10.0685	*	B	B	2990188
271249704B	Cod Beck	Whitelass Beck	SE4362980336	Paradise Beck	SE4272082756	3	b	c	10.0074		B	B	2990187
271249704A	Cod Beck	Whitelass Beck	SE4362980336	Paradise Beck	SE4263377046	3.4	b	b	10.0075		B	B	2990190
271249703A	Cod Beck	Paradise Beck	SE4263377046	Willow Beck	SE4265276880	0.3	b	b	10.0075		B	B	2990190
271249702A	Cod Beck	Willow Beck	SE4265276880	Thacker Beck	SE4104175954	2.1	b	b	10.0075		B	B	2990190
271249701A	Cod Beck	Thacker Beck	SE4104175954	River Swale	SE4146074886	1.4	b	b	10.0075		B	B	2990190
271249601A	Pit Ings Stell	Source	SE4274275043	River Swale	SE4181774789	1.6							
271249501A	Long Beck	Byland Abbey	SE5483678815	Elphin Beck	SE5327676568	4.8							
271249401A	Twattleton Beck	Kilburn	SE5146679317	Birdforth Beck	SE5172375706	4.8							
271249303B	Birdforth/Elphin/Green's	Scawling Wood	SE5359777067	Long Beck	SE5237979845	4							
271249303A	Birdforth/Elphin/Green's	Scawling Wood	SE5359777067	Long Beck	SE5327676568	0.6							
271249302A	Birdforth/Elphin/Green's	Long Beck	SE5327676568	Twattleton Beck	SE5172375706	1.8							
271249301A	Birdforth/Elphin/Green's	Twattleton Beck	SE5172375706	River Swale	SE4322073097	13.4	c	b	10.0293	*	B	2991570	*
271249201A	Cundall Beck/Soppa Gutter	Source	SE3612575913	River Swale	SE4333671440	11.6	e	e	10.0405	*	D	2990215	*

* = CHANGE IN SAMPLE POINT

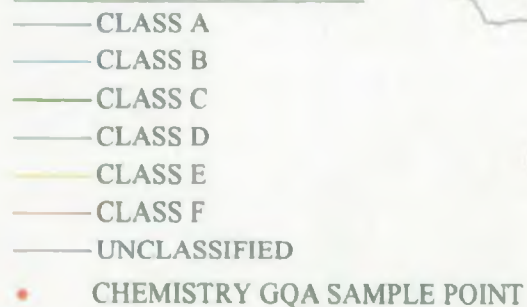
NIDD

RIVER NIDD CATCHMENT
GQA 1995
CHEMISTRY CLASSIFICATION

CHEMISTRY GQA CLASSES

- CLASS A
- CLASS B
- CLASS C
- CLASS D
- CLASS E
- CLASS F
- UNCLASSIFIED
- CHEMISTRY GQA SAMPLE POINT

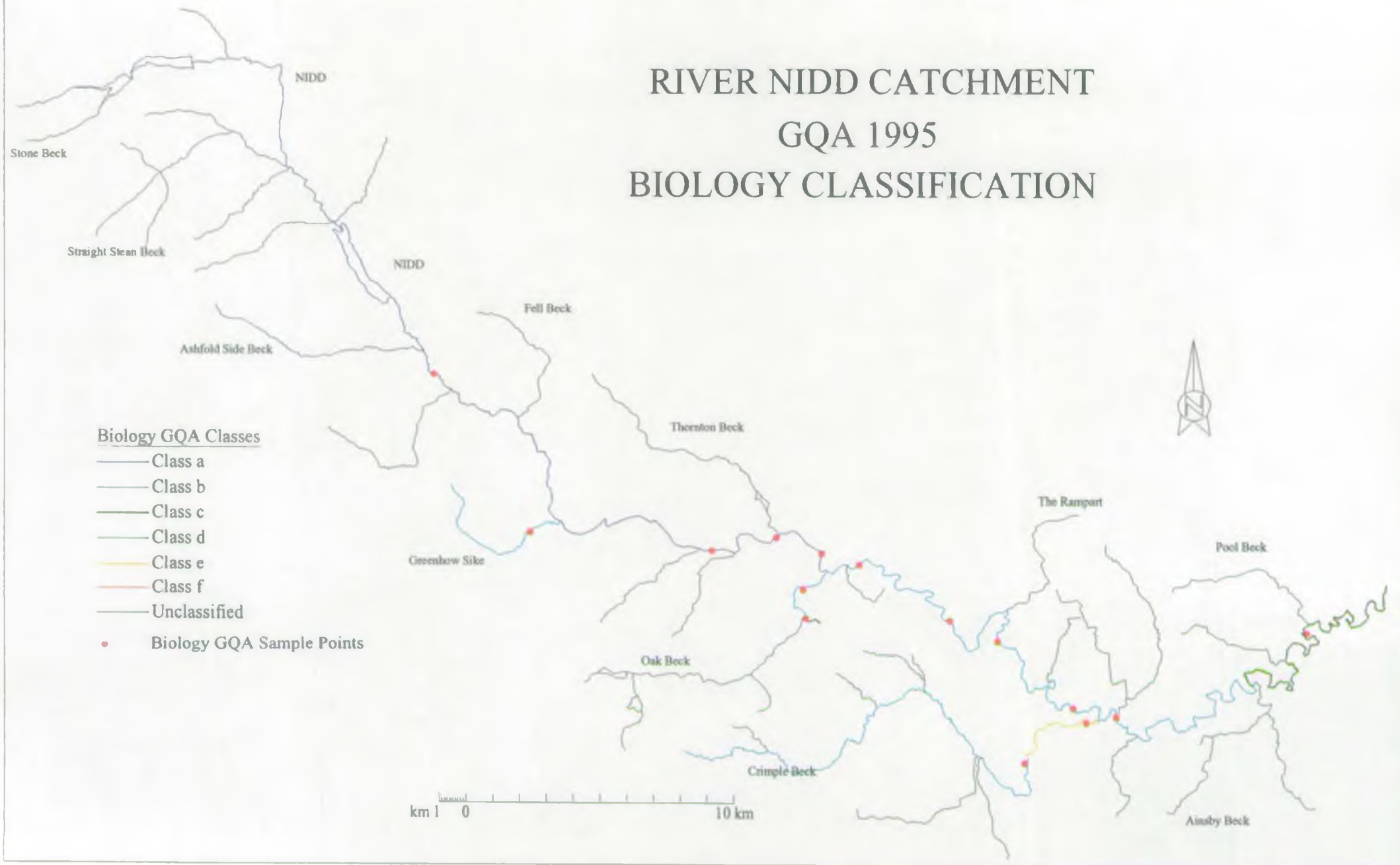
km 1 0 10 km



RIVER NIDD CATCHMENT

GQA 1995

BIOLOGY CLASSIFICATION



GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER NIDD													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
271243823A	River Nidd	Nidd Head	SE0020475285	Angram Reservoir	SE0233575968	3.7	a	a	10.0224	A	A	2981340	
271243822A	River Nidd	Angram Reservoir	SE0501977115	Woo Gill	SE0669176869	4.8	a	a	10.0224	A	A	2981340	
271243821A	River Nidd	Woo Gill	SE0802577058	Howstean Beck	SE1020273080	6.8	a	a	10.0224	A	A	2981340	
271243820A	River Nidd	Howstean Beck	SE1020273080	Blayshaw Gill	SE1029273024	0.2	a	a	10.0224	A	A	2981340	
271243819A	River Nidd	Blayshaw Gill	SE1029273024	Ramsgill Beck	SE1197671077	3.2	a	a	10.0224	A	A	2981340	
271243818A	River Nidd	Ramsgill Beck	SE1410068320	Ashfold Side Beck	SE1526266435	6	a	a	10.0224	A	A	2981340	
271243817A	River Nidd	Ashfold Side Beck	SE1526266435	Greenhow Sike	SE1629164950	1.9	a	a	10.0224	A	A	2981340	
271243816A	River Nidd	Greenhow Sike	SE1629164950	Fell Beck	SE1882963892	3.2	a	a	10.0226	B	B	2981308	*
271243815A	River Nidd	Fell Beck	SE1882963892	Darley Beck	SE2046760168	5.1	a	a	10.0226	B	B	2981308	*
271243814A	River Nidd	Darley Beck	SE2046760168	Tang Beck	SE2565959191	6.4	a	a	10.0226	B	B	2981308	*
271243813A	River Nidd	Tang Beck	SE2565959191	Cockhill Beck	SE2692959011	1.4	a	a	10.0228	B	B	2981308	*
271243812A	River Nidd	Cockhill Beck	SE2692959011	Thornton Beck	SE2861059710	2.6	a	a	10.0929	B	B	2981480	*
271243811A	River Nidd	Thornton Beck	SE2861059710	Oak Beck	SE3044058356	3.1	a	a	10.0928	B	B	2980890	
271243810A	River Nidd	Oak Beck	SE3044058356	Bilton Beck	SE3116158596	0.6	b	b	10.0227	C	B	2981315	
271243809C	River Nidd	Bilton Beck	SE3116158596	The Rampart	SE3155058556	0.5	b	b	10.0227	C	B	2981315	
271243809B	River Nidd	Bilton Beck	SE3155058556	The Rampart	SE3792251766	6.3	b	b	10.0227	C	B	2981315	
271243809A	River Nidd	Bilton Beck	SE3792251766	The Rampart	SE3716356909	3.5	a	b	10.0228	B	B	2981320	
271243808A	River Nidd	The Rampart	SE3716356909	Gundrif's Beck	SE3882154487	5.5	b	b	10.0927	B	B	2981380	
271243807A	River Nidd	Gundrif's Beck	SE3882154487	Crimple Beck	SE4055053131	4.3	b	b	10.0218	B	B	2981335	*
271243806A	River Nidd	Crimple Beck	SE4055053131	Hew Beck	SE4120453185	1.3	b	b	10.0217	B	B	2981370	
271243805A	River Nidd	Hew Beck	SE4120453185	Broad Wath Beck	SE4199852557	1.4	b	b	10.0217	B	B	2981370	
271243804A	River Nidd	Broad Wath Beck	SE4199852557	Fleet Beck	SE4620454353	9	b	b	10.0217	B	B	2981370	
271243803A	River Nidd	Fleet Beck	SE4620454353	Kirk Hammerton Beck	SE4750455156	4.8	b	c	10.0221	B	B	2981360	
271243802A	River Nidd	Kirk Hammerton Beck	SE4750455156	Pool Beck	SE4839556432	4.2	b	c	10.0221	B	B	2981360	
271243801A	River Nidd	Pool Beck	SE4839556432	River Ouse	SE5125757810	7.4	b	c	10.0221	B	B	2981360	

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES														
RIVER NIDD TRIBUTARIES														
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*	
271247701A	Stone Beck	Stone Head Top	SE0321475074	River Nidd (Angram Reserv	SE0448376287	3.2								
271247601A	Woo Gill	Source	SE0623678849	River Nidd	SE0802577058	3.2								
271247501A	Staining Gill Beck	Source	SE0403373906	Howstean Beck	SE0552572855	2.4								
271247401A	Straight Stean Beck	Mound and Stake	SE0311870504	Howstean Beck	SE0552572855	3.2								
271247301A	Backstean Beck	Source	SE0493470043	Howstean Gill	SE0552572855	4								
271247201A	Armathwaite Gill	Source	SE0494874899	Howstean Beck	SE0821674367	3.5								
271247102A	Howstean Beck	BcksteanGill/StainingGill&S	SE0552572855	Armathwaite Gill	SE0821674367	3.2	a	a	10.0224	*	A	2981340	*	
271247101A	Howstean Beck	Armathwaite Gill	SE0821674367	River Nidd	SE1020273080	2.7	a	a	10.0224	*	A	2981340	*	
271247001A	Blayshaw Gill	Source	SE0675170437	River Nidd	SE1029273024	4.8								
271246901A	Lul Beck	Lulbeck Head	SE1392274147	River Head	SE1197671077	4.2								
271246801A	Ramsgill Beck	Source	SE0680069200	River Nidd	SE1197671077	6.6								
271246701A	Ashfold Side Beck	Ashfold Gill Head	SE0756368012	River Nidd	SE1526266435	9	a	a	10.0224	*	A	2981340	*	
271246601A	Greenhow Sike	Source	SE1173363517	River Nidd	SE1629164950	7.7								
271246501A	Fell Beck/Far Beck	Beck Head	SE1730567724	River Nidd	SE1882963892	6.6								
271246401A	Darley Beck	Source	SE1635861434	River Nidd	SE2046760168	7.2	c	b	10.0407		B	2980290	*	
271246301A	Tang Beck	Source	SE2192856426	River Nidd	SE2565959191	5.1								
271246201A	Cockhill Beck	Penny Pot Lane	SE2458055875	River Nidd	SE2692959011	5.1								
271246101A	Thomton Beck	Yew Hill	SE2814560508	River Nidd	SE2861059710	11.3								
271246001A	Scargill Beck	Wonderful House	SE2343653392	Oak Beck	SE2330253793	3.2								
271245901A	Harlow Car Beck	Bluecoat Wood	SE2778753343	Oak Beck	SE2753854542	1.6								
271245801A	Coppice Beck	Source	SE3014256411	Oak Beck	SE2948356600	0.8		c	10.0872		F	E	2980232	
271245704A	Oak Beck	Bank Slack	SE2130654283	Scargill Beck	SE2176054590	1.9								
271245703A	Oak Beck	Scargill Beck	SE2314954583	Harlow Car Beck	SE2753854542	5.5								
271245702A	Oak Beck	Harlow Car Beck	SE2753854542	Coppice Beck	SE2948356600	3.2								
271245701A	Oak Beck	Coppice Beck	SE2948356600	River Nidd	SE3044058356	3.1	c	b	10.0231		C	C	2980750	
271245601A	Bilton Beck	Source	SE3256257753	River Nidd	SE3116158596	2.6								
271245501A	The Rampart	Carr Plantation	SE3983360436	River Nidd	SE3716356909	6.4								
271245401A	Gundrifs Beck	Source	SE3989556634	River Nidd	SE3882154487	3.2								
271244601A	Double Dike	Source	SE3899957713	Hew Beck	SE4156753854	5.8								
271244502A	Hew Beck	Allerton Park Lakes	SE4083259320	Double Dike	SE4156753854	7.4								
271244501A	Hew Beck	Double Dike	SE4156753854	River Nidd	SE4120453185	1								

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER NIDD TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
271244401A	Broad Wath Beck	Sand Beck Bridge	SE4119749760	River Nidd	SE4199852557	3.9							
271244301A	Ainsby Beck	Duckpond Plantation	SE4308949940	Fleet Beck	SE4475752538	4							
271244201A	Sike Beck	Source	SE4859950056	Fleet Beck	SE4680153384	4.2							
271244103A	Fleet Beck	Bessy Wood	SE4430452283	Ainsby Beck	SE4475752538	0.6							
271244102A	Fleet Beck	Ainsby Beck	SE4475752538	Sike Beck	SE4680153384	2.6							
271244101A	Fleet Beck	Sike Beck	SE4680153384	River Nidd	SE4820454353	1.9							
271244001A	Kirk Hammerton Beck	Gelsthorpe Moor	SE4363056104	River Nidd	SE4750455156	4.8							
271243901A	Pool Beck	Source	SE4331057593	River Nidd	SE4839556432	7.1							
271244706A	Crimple Beck	Crimple Head	SE2505251969	Beckwithshaw Beck	SE2816651981	4.5		b	10.0088		B	2980260	
271244705A	Crimple Beck	Beckwithshaw Beck	SE2816651981	Hookstone Beck	SE3222853501	7.1	b	b	10.0088	*	B	2980260	
271244704A	Crimple Beck	Hookstone Beck	SE3222853501	Rud Beck	SE3410354038	2.6	b	b	10.0088	*	B	2980260	
271244703A	Crimple Beck	Rud Beck	SE3410354038	Park Beck	SE3606951829	3.5		b	10.0088	*	B	2980260	
271244702A	Crimple Beck	Park Beck	SE3606951829	Toad Hole Beck	SE3621051793	0.2	a	b	10.0088		B	B	2980260
271244701B	Crimple Beck	Toad Hole Beck	SE3621051793	River Nidd	SE3792251766	4.2	a	b	10.0088		B	B	2980260
271244701A	Crimple Beck	Toad Hall Beck	SE3792251766	River Nidd	SE4055053131	4.2	d	e	10.0087		E	E	2980250
271245301A	Beckwithshaw Beck	Source	SE2683452838	Crimple Beck	SE2816651981	2.1							
271245201B	Hookstone Beck	Source	SE3044058356	Crimple Beck	SE3116158596	0.4							
271245201A	Hookstone Beck	Source	SE3073354605	Crimple Beck	SE3222853501	2							
271245101A	Star Beck	Source	SE3356555308	Rud Beck	SE3403254440	1.8							
271245002B	Rud Beck	Source	SE3173755449	Star Beck	SE3330155107	1.6							
271245002A	Rud Beck	Source	SE3330155107	Star Beck	SE3403254440	1							
271245001A	Rud Beck	Star Beck	SE3403254440	Crimple Beck	SE3410354038	0.6							
271244901A	Park Beck	Source	SE3151249969	Crimple Beck	SE3606951829	6.4							
271244801A	Toad Hole Beck	Skerry Grange	SE3713948244	Crimple Beck	SE3621051793	4							

* = CHANGE IN SAMPLE POINT

WHARFE

RIVER WHARFE CATCHMENT
1995 CHEMISTRY GQA CLASSIFICATION

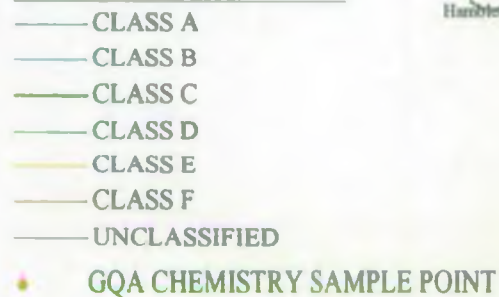
GQA CHEMISTRY CLASSES

- CLASS A
- CLASS B
- CLASS C
- CLASS D
- CLASS E
- CLASS F
- UNCLASSIFIED

GQA CHEMISTRY SAMPLE POINT

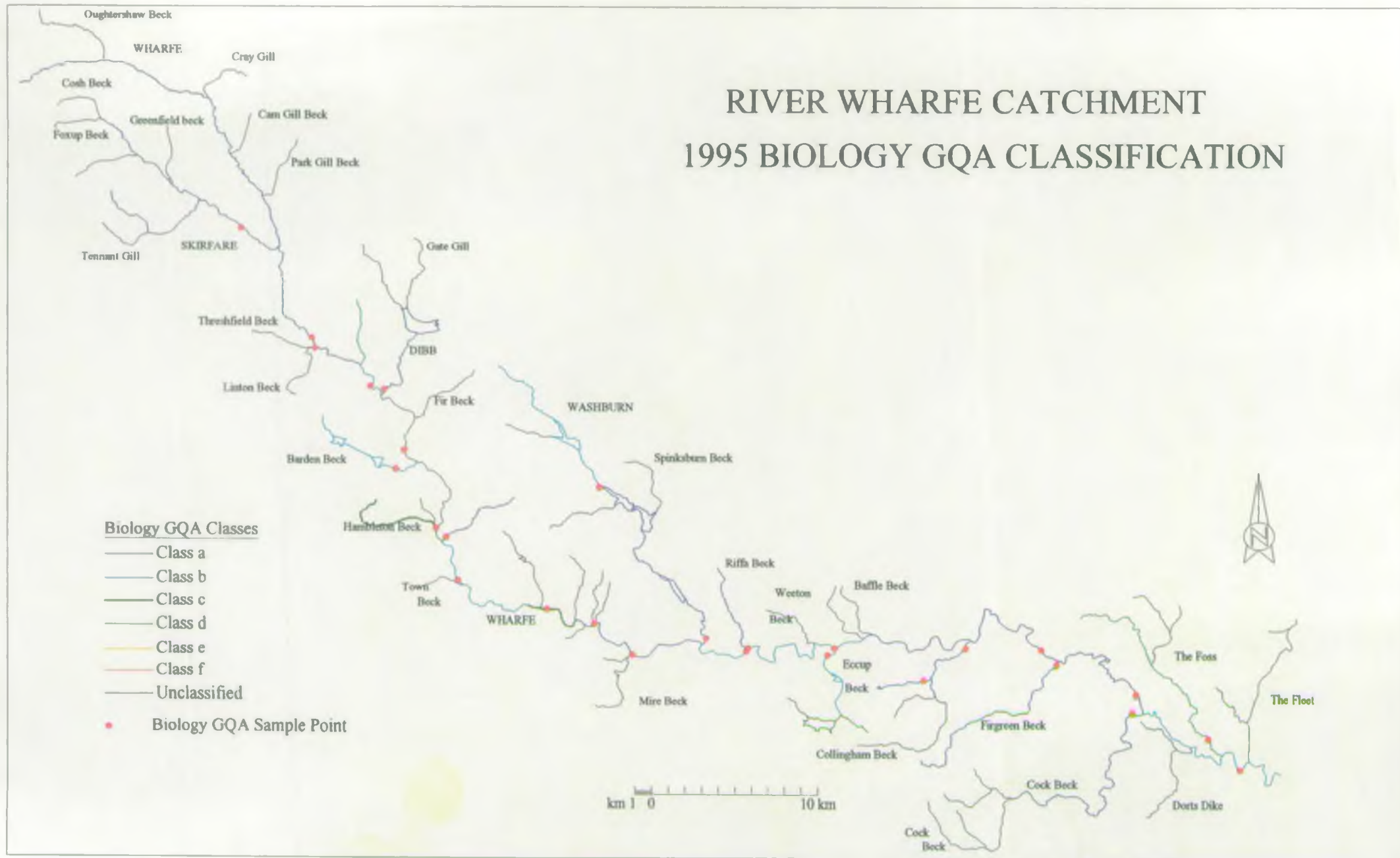
Map labels include: Oughterahaw Beck, WHARFE, Cray Gill, Cosh Beck, Greenfield beck, Foxup Beck, Cam Gill Beck, Park Gill Beck, Tennant Gill, SKIRFARE, Threshfield Beck, Linton Beck, Gate Gill, DIBB, Fir Beck, WASHBURN, Barden Beck, Spinksburn Beck, Harbottle Beck, Town Beck, WHARFE, Riffa Beck, Weeton, Baffle Beck, Eocup Beck, Collingham Beck, Firgreen Beck, Cock Beck, The Foss, The Floot, Dorts Dike, Mine Beck, and Cock Beck.

Scale: 0 10 km



RIVER WHARFE CATCHMENT

1995 BIOLOGY GQA CLASSIFICATION



GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADIES													
RIVER WHARFE													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	
271235429A	River Wharfe	Conf.Oughtershaw Beck & G	SD8740380163	Cray Gill	SD9356777983	6.8		a	10.0341		A	4972640	*
271235428A	River Wharfe	Cray Gill	SD9356777983	Cam Gill Beck	SD9487274673	4.3	b	a	10.0341	*	A	4972640	*
271235427A	River Wharfe	Cam Gill Beck	SD9487274673	Park Gill Beck	SD9674372267	3.7	b	a	10.0341	*	A	4972640	*
271235426A	River Wharfe	Park Gill Beck	SD9674372267	River Skirfare	SD9772169272	3.4	b	a	10.0341	*	A	4972640	*
271235425A	River Wharfe	River Skirfare	SD9772169272	Linton Beck	SE0004963347	7.6	b	a	10.0341	*	A	A	4972640
271235424A	River Wharfe	Linton Beck	SE0004963347	Hebden Beck	SE0257962304	3.1	c	a	10.0341	*	A	A	4972640
271235423A	River Wharfe	Hebden Beck	SE0257962304	Barben Beck	SE0379960521	3.1	c	b	10.0343	*	B	A	4972630
271235422A	River Wharfe	Barben Beck	SE0379960521	Fir Beck	SE0582559239	2.7			10.0346	*	A	A	4972590
271235421A	River Wharfe	Fir Beck	SE0582559239	Barden Beck	SE0595056723	3.2			10.0346	*	A	A	4972590
271235420A	River Wharfe	Barden Beck	SE0595056723	Hambleton Beck	SE0710252701	5.8			10.0346	*	A	A	4972590
271235419A	River Wharfe	Hambleton Beck	SE0710252701	Kex Beck	SE0743852082	0.8			10.0346	*	A	A	4972590
271235418C	River Wharfe	Kex Beck	SE0743852082	Town Beck	SE0878849598	4.2	b	b	10.0344	*	A	B	4972673
271235418B	River Wharfe	Town Beck	SE0878849598	Bow beck	SE1251048403	4.5	a	b	10.0344	*	B	A	4972685
271235418A	River Wharfe	Town Beck	SE1251048403	Bow Beck	SE1331048257	0.8	b	c	10.2086	*			4972643
271235417A	River Wharfe	Bow Beck	SE1331048257	Hundwith Beck	SE1540347602	2.9	b	c	10.2086	*			4972643
271235416B	River Wharfe	Hundwith Beck	SE1540347602	Sun Lane Beck	SE1594047351	0.7	a	a	10.0931	*	B	A	4972620
271235416A	River Wharfe	Sun Lane Beck	SE1594047351	West Beck	SE1649747383	0.6	a	a	10.0931	*	B	A	4972620
271235415A	River Wharfe	West Beck	SE1649747383	East Beck	SE1657447446	0.2	a	a	10.0931	*	B	A	4972620
271235414A	River Wharfe	East Beck	SE1657447446	Mickle Ing Beck	SE1881545543	3.9	a	a	10.0339	*	B	A	4972680
271235413A	River Wharfe	Mickle Ing Beck	SE1881545543	River Washburn	SE2291746111	4.8	b	a	10.0339	*	B	A	4972680
271235412A	River Wharfe	River Washburn	SE2291746111	Riffa Beck	SE2577545862	3.9	b	b	10.0337	*	B	B	1971520
271235411A	River Wharfe	Riffa Beck	SE2577545862	Weeton Beck	SE2970346125	7.1	b	b	10.2055	*	C	A	1971480
271235410A	River Wharfe	Weeton Beck	SE2970346125	Stank Beck	SE3100145880	1.3	b	b	10.2055	*	C	A	1971480
271235409A	River Wharfe	Stank Beck	SE3100145880	Keswick Beck	SE3262646468	1.9	b	b	10.2055	*	C	A	1971480
271235408A	River Wharfe	Keswick Beck	SE3262646468	Baffle Beck	SE3311746715	0.6	a	a	10.0347	*	B	A	1971450
271235407A	River Wharfe	Baffle Beck	SE3311746715	Collingham Beck	SE3902146355	7.7	a	a	10.0347	*	B	A	1971450
271235406A	River Wharfe	Collingham Beck	SE3902146355	Firgreen Beck	SE4418945266	9.7	b	a	10.0347		B	A	1971450
271235405C	River Wharfe	Firgreen Beck	SE4418945266	Tadcaster Weir	SE4852943740	8.4	b	a	10.0345		B	B	1971440
271235405B	River Wharfe	Tadcaster Weir	SE4900743108	Cock Beck	SE4852943740	0.8	b	a	10.0345		B	B	1971440
271235405A	River Wharfe	Tadcaster Weir	SE4900743108	Cock Beck	SE4924942414	0.8	b	a	10.0345		B	B	1971440
271235404A	River Wharfe	Cock Beck	SE4924942414	Longbridge Dike	SE5206040536	4.2		b	10.0340		B	B	1971510
271235403A	River Wharfe	Longbridge Dike	SE5206040536	The Foss	SE5394140104	3.2		b	10.0340		B	B	1971510
271235402A	River Wharfe	The Foss	SE5394140104	The Fleet	SE5551839795	2.6		b	10.0340		B	B	1971510
271235401A	River Wharfe	The Fleet	SE5551839795	River Ouse	SE5739139039	3.9	c	b	10.0340		B	B	1971510

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER WHARFE TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1996	1996 BIO SPT Code	CHEM 1990	CHEM 1996	1996 CHEM SPT CODE	
271290901B	Sun Lane Beck	Sun Lane Refuse Tip	SE1476046558	River Wharfe	SE1540746884	0.7				F			*
271290901A	Sun Lane Beck	Sun Lane Refuse Tip	SE1540746884	River Wharfe	SE1594047351	1				F			*
271290801A	Town Beck	Source	SE0570749403	River Wharfe	SE0878849598	4				B	B		*
271290701A	Catgill Beck	Source	SE0614554617	Hambleton Beck	SE0696653152	1							
271290601A	Crook Beck	Swinden Quarry	SD9834161212	Linton Beck	SD9946861843	1.5				A			*
271241001A	Oughtershaw Beck	Kid How Pike	SD8357583097	River Wharfe	SD8740380163	6							
271240901A	Green Field Beck	High Green Field Knott	SD8237078866	River Wharfe	SD8740380163	6		a	10.0341		A	4972640	*
271240801A	Cray Gill	Source	SD9586479271	River Wharfe	SD9356777983	3.4							
271240701A	Cam Gill Beck	Starbottom Fell	SD9612177027	River Wharfe	SD9487274673	3.2							
271240601A	Park Gill Beck	Source	SD9883175555	River Wharfe	SD9674372267	4.5							
271240501A	Cosh Beck	Cosh Outside	SD8460477510	River Skiffare	SD8719876746	3.5				B	A		*
271240401A	Fox Up Beck	Fox Up Moor	SD8453476153	River Skiffare	SD8719876746	3.2				B	A		*
271240301A	Hesleden Beck/Pen-Y-Ghent	Giant's Grave	SD8568573318	River Skiffare	SD8937174594	4.2							
271240201A	Crystal Beck	Moss Top	SD9110376319	River Skiffare	SD9141272889	3.4							
271240101A	Dambrook Beck	Dambrook Fell	SD8778972556	Cowside Beck	SD8999270079	3.4		a	10.2024	A	A	4970510	
271240002A	Cowside Beck/Tennant Gill	Little Fell	SD8725770653	Dambrook Beck	SD8999270079	3.1		a	10.2024	A	A	4970510	
271240001A	Cowside Beck/Tennant Gill	Dambrook Beck	SD8999270079	River Skiffare	SD9305072028	4.3		a	10.2024	A	A	4970510	
271239904A	River Skiffare	Confluence of Cosh Beck a	SD8719876746	Heselden Beck	SD8937174594	3.2		a	10.0276	B	A	4972550	*
271239903A	River Skiffare	Heselden Beck	SD8937174594	Crystal Beck	SD9141272889	2.6	a	a	10.0276	B	A	4972550	*
271239902A	River Skiffare	Crystal Beck	SD9141272889	Cowside Beck	SD9305072028	2.4	a	a	10.0276	B	A	4972550	*
271239901A	River Skiffare	Cowside Beck	SD9305072028	River Wharfe	SD9772169272	6.1	a	a	10.0276	B	A	4972550	*
271239801A	Threshfield Beck	Height House	SD9620164168	Linton Beck	SD9951263292	3.7							
271239702B	Linton Beck	Threapland	SD9946961844	Crook Beck	SD9942862870	3.5				B	A		*
271239702A	Linton Beck	Crook Beck	SD9946861843	Threshfield Beck	SD9951263292	1			10.0935	B	A	497T480	
271239701A	Linton Beck	Threshfield Beck	SD9951263292	River Wharfe	SE0004963347	0.6		a	10.2043	A	A	497T540	
271239601B	Hebden Beck	Cupola Comer	SE0240666085	River Wharfe	SE0258663165	3.3		d	10.0348	A	A	497T430	
271239601A	Hebden Beck	Cupola Comer	SE0258663165	River Wharfe	SE0257962304	1		d	10.0348	A	A	497T430	
271239501A	Gate Gill	Henstone Band	SE0576769805	Grimwith Reservoir Inlet	SE0535865684	5.1							
271239401A	Blea Beck	Priest's Tam	SE0272969434	Grimwith Reservoir Inlet	SE0508165626	5.3							
271239301A	Barben Beck/River Dibb	Grimwith Reservoir Inlet	SE0535865684	River Wharfe	SE0596264195	6.6		a	10.0110	B	A	4972430	
271239201A	Fir Beck/Blands Beck	Parker Allotment	SE0936561956	River Wharfe	SE0582559239	3.7							

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES RIVER WHARFE TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
271239101A	Barden Beck	Bumsall Fell	SE0397256871	River Wharfe	SE0366156343	7.6	b	b	10.0025	C	A	4970010	*
271239001C	Hambleton Beck/Ings Beck	Halton Green	SE0354754530	Catgill Beck	SE0456653095	3.8		c	10.0434	B	C	497T420	
271239001B	Hambleton Beck/Ings Beck	Halton Green	SE0456653095	Catgill Beck	SE0696653152	2.4		c	10.0434	B	C	497T420	
271239001A	Hambleton Beck/Ings Beck	Catgill Beck	SE0696653152	River Wharfe	SE0710252701	0.6		c	10.0434	B	C	497T420	
271238901B	Kex Beck	Pace Gate	SE0818552710	River Wharfe	SE1175554897	4.6	b	a	10.0190	B	A	497T500	
271238901A	Kex Beck	Pace Gate	SE0818552710	River Wharfe	SE0743852082	1	b	a	10.0190	B	A	497T500	
271238801A	Bow Beck	Loftshaw Gill Head	SE1107852706	River Wharfe	SE1217551301	5.5							
271238701A	Hundwith Beck	Moor Plantation	SE1501951342	River Wharfe	SE1540347602	4.2							
271238601B	West Beck	Source	SE1666548354	River Wharfe	SE1700850395	2.1							
271238601A	West Beck	Source	SE1666548354	River Wharfe	SE1649747383	1							
271238501B	East Beck	Brickhouse Plantation	SE1743349784	River Wharfe	SE1704748263	2.2							
271238501A	East Beck	Brickhouse Plantation	SE1704748263	River Wharfe	SE1657447446	1							
271238401A	Gill Beck/Mire Beck	Source	SE1656842606	Mickle Ing Beck	SE1851645292	5.5				D	C		*
271238302A	Mickle Ing Beck	Mossbrook Farm	SE1705845285	Gill Beck	SE1851645292	1.6							
271238301A	Mickle Ing Beck	Gill Beck	SE1851645292	River Wharfe	SE1881545543	0.3							
271238201A	Capelshaw Beck	Lowcock Stoop	SE1123958825	River Washburn (Thruscros	SE1391258196	4							
271238101A	Gill Beck	Gawk Hall Gate	SE1381452873	River Washburn (Fewston R	SE1771954185	5.3							
271238001A	Spinksburn Beck	Source	SE1831156694	River Washburn (Swinsty R	SE2020453878	5.1							
271237904A	River Washburn	Tam Rigg	SE1077062282	Capelshaw Beck (Thruscros	SE1409759159	7.1		b	10.0562		A	1972900	*
271237903A	River Washburn	Capelshaw Beck (Thruscros	SE1409759159	Gill Beck (Fewston Reserv	SE1391258196	5.5		b	10.0562		A	1972900	*
271237902A	River Washburn	Gill Beck (Fewston Reserv	SE1687855351	Spinksburn Beck (Swinsty	SE1873953905	2.1		a	10.0324		A	1971410	
271237901D	River Washburn	Spinksburn Beck (Swinsty	SE2184948563	River Wharfe	SE2198848768	7.1	a	a	10.0324		A	1971410	
271237901C	River Washburn	Spinksburn Beck	SE2198848768	River Wharfe	SE2264648186	1	a	a	10.0324		A	1971410	
271237901B	River Washburn	Spinksburn Beck	SE2264648186	River Wharfe (Leathly Bri	SE2291746111	1.5	a	a	10.0324	B	A	1971410	
271237901A	River Washburn	Spinksburn Beck	SE2291746111	Leathley Bridge	SE2386650629	1.5	a	a	10.0324	B	A	1971410	
271237801B	Riffa Beck/West Beck	Source	SE2386650629	River Wharfe	SE2538446563	5	a	a	10.0244	D	C	1971300	
271237801A	Riffa Beck/West Beck	Source	SE2538446563	River Wharfe	SE2577545862	1.1	a	a	10.0244	D	C	1971300	
271237701B	Weeton Beck	Nat Lane	SE2933046158	River Wharfe	SE2970346125	4.5				C	C		*
271237701A	Weeton Beck	Nat Lane	SE2678548197	River Wharfe	SE2933046158	0.3				C	C		*
271237601A	Eccup Beck	Lineham Farm	SE3071641234	Stank Beck	SE3092741899	3.7							
271237501A	Sturdy Beck	Source	SE3289941320	Stank Beck	SE3128842194	1.9							

* = CHANGE IN SAMPLE POINT

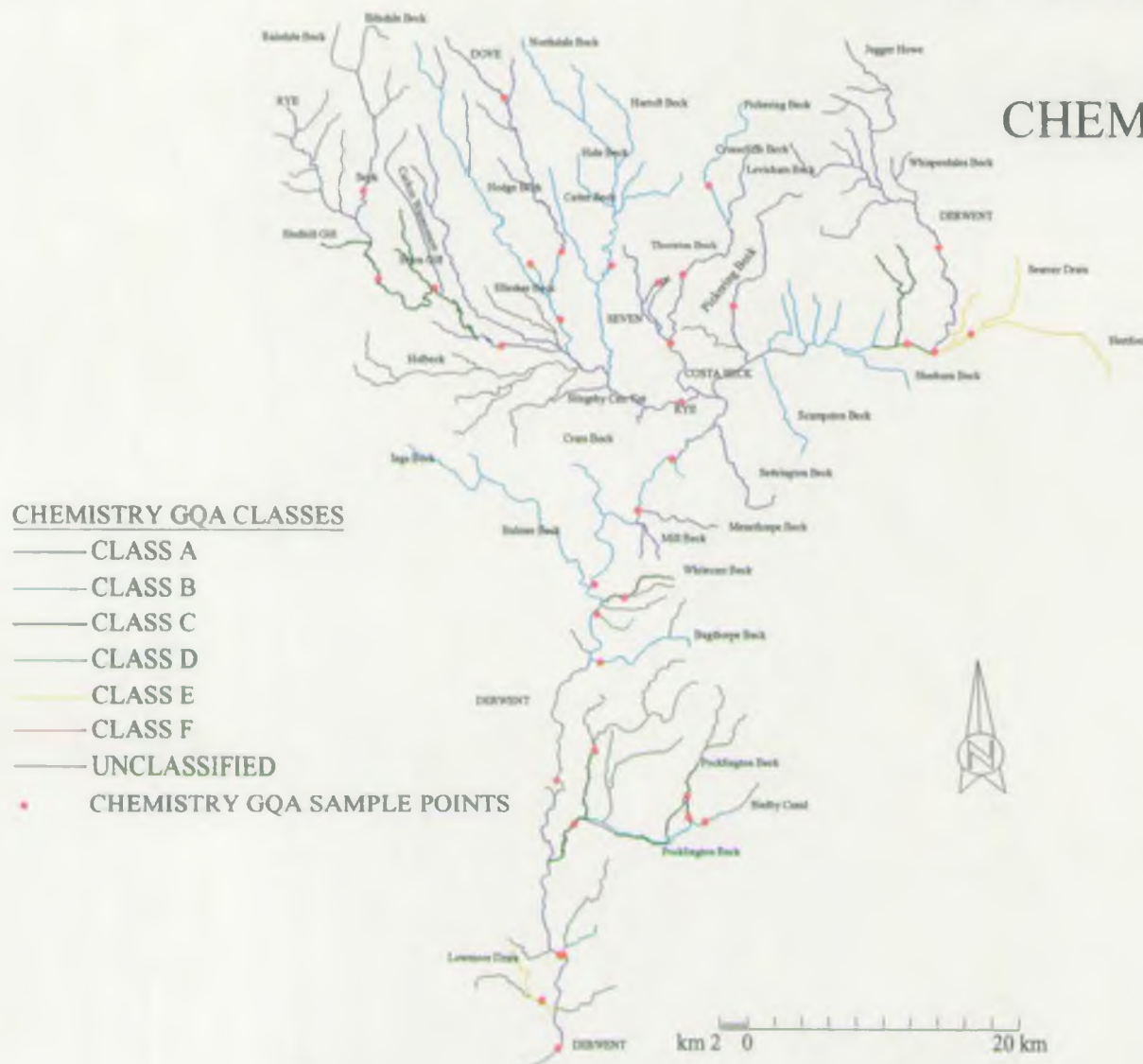
GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER WHARFE TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM 8PT CODE	*
271237401A	Stank Beck	Confluence of Eccup Beck	SE3081044142	River Wharfe	SE3075744473	5		b	10.0541	B	B	1971800	
271237301A	Keswick Beck	Low Snape	SE3093349534	River Wharfe	SE3262646468	5							
271237201A	Baffle Beck	Wareholes Well	SE3135349524	River Wharfe	SE3311746715	4.2				C	D		*
271237101A	Gill Beck	Wyke Whin	SE3449142091	Collingham Beck	SE3690943135	3.2							
271237001A	Keswick Beck	Holling Hall Ponds	SE3362843614	Collingham Beck	SE3362843614	3.5		a	10.0934	C	C	1970345	
271236903A	Collingham Beck/Brandon D	Source	SE3224840589	Gill Beck	SE3690943135	8.4							
271236902A	Collingham Beck/Brandon D	Gill Beck	SE3690943135	Keswick Beck	SE3667244236	1.3		a	10.0077	D	B	1970340	
271236901A	Collingham Beck/Brandon D	Keswick Beck	SE3667244236	River Wharfe	SE3902146355	4.2		a	10.0077	D	B	1970340	
271236801A	Firgreen/Bramham/Thorn	Bog Plantation	SE3604839775	River Wharfe	SE4418945266	12.6		a	10.2034	B	A	1970550	
271236701A	Carr Beck	Source	SE3817437018	Cock Beck	SE3983834939	2.9							
271236601A	Rake Beck	Source	SE3744837911	Potterton Beck	SE4024738200	3.7							
271236502A	Potterton Beck	Kiddal Bridge	SE3918939302	Rake Beck	SE4024738200	1.6							
271236501A	Potterton Beck	Rake Beck	SE4024738200	Cock Beck	SE4140937667	1.8							
271236403A	Cock Beck	Dales Well	SE3642737489	Carr Beck	SE3983834939	5.1				D			*
271236402B	Cock Beck	Carr Beck	SE4089137308	Potterton Beck	SE4140937667	3.9				D			*
271236402A	Cock Beck	Carr Beck	SE4089137308	Potterton Beck	SE4140937667	0.6							
271236401A	Cock Beck	Potterton Beck	SE4140937667	River Wharfe	SE4924942414	19		a	10.0071	B	B	1970310	
271236301A	Dorts Dike	Low Wood	SE4940436681	Longbridge Dike	SE5123340430	4.8							
271236202A	Longbridge Dike	Grimston Grange	SE4910341976	Dorts Dike	SE5123340430	2.9				D			*
271236201A	Longbridge Dike	Dorts Dike	SE5123340430	River Wharfe	SE5206040536	1.3				D			*
271236101A	Healaugh Beck	Source	SE5133848472	Catterton Beck	SE5081646863	1.6							
271236001A	Dam Dike	Nova Scotia Wood	SE4863149000	Catterton Beck	SE5081646863	3.5							
271235901A	Catterton Beck	Conf. Dam Dike & Healaugh	SE5081646863	The Foss	SE4972245096	2.9							
271235802A	The Foss	Source	SE4551747754	Catterton Beck	SE4972245096	6.8		d	10.2036		E	1970590	*
271235801A	The Foss	Catterton Beck	SE4972245096	River Wharfe	SE5394140104	7.9		d	10.2036	C	D	1970590	
271235701A	Town Ings Drain	Copmanthorpe	SE5668746912	The Foss	SE5795047074	1.4							
271235601A	Brumber Car Drain	Stank Well	SE5356243723	The Fleet	SE5542741895	3.2							
271235503A	The Fleet/The Foss	Copmanthorpe Lane	SE5829547631	Town Ings Drain	SE5795047074	0.6							
271235502B	The Fleet/The Foss	Town Ings Drain	SE5795047074	Brumber Car Drain	SE5666644539	3.6				D	D		*
271235502A	The Fleet/The Foss	Town Ings Drain	SE5666644539	Brumber Car Drain	SE5542741895	2.8				D	D		*
271235501A	The Fleet/The Foss	Brumber Car Drain	SE5542741895	River Wharfe	SE5551839795	2.3							

DERWENT

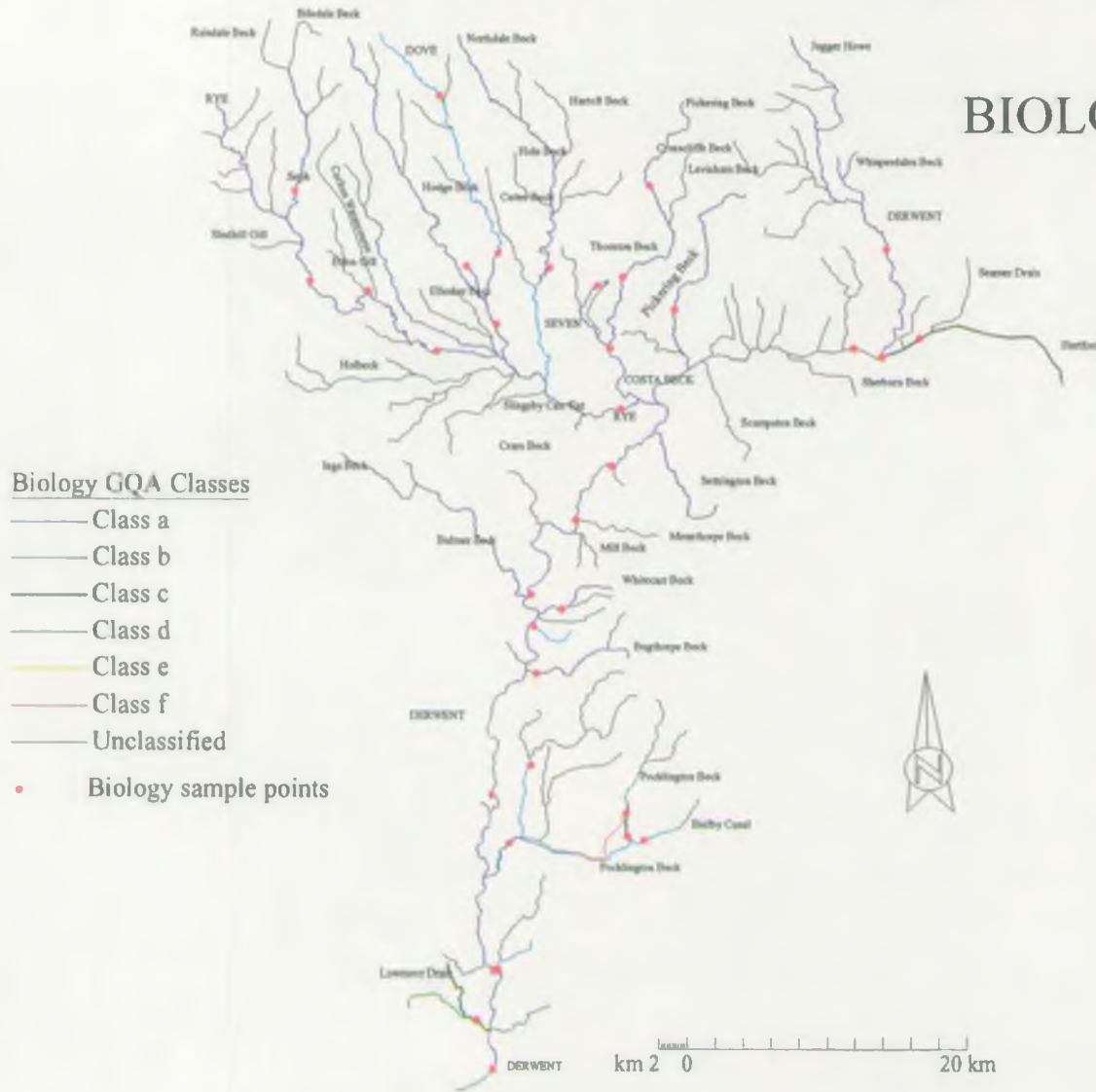
RIVER DERWENT CATCHMENT

GQA 1995

CHEMISTRY CLASSIFICATION



RIVER DERWENT CATCHMENT
GQA 1995
BIOLOGY CLASSIFICATION



GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER DERWENT													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	
271223333A	River Derwent	Derwent Head	SE9050397638	Woof Howe Grain	SE9189697090	1.6	a	a	10.0109	A	A	2960980	
271223332A	River Derwent	Woof Howe Grain	SE9189697090	Lownorth Beck	SE9354394981	3.2	a	a	10.0109	A	A	2960960	
271223331A	River Derwent	Lownorth Beck	SE9354394981	Black Beck	SE9421890862	4.7	a	a	10.0109	A	A	2960960	
271223330A	River Derwent	Black Beck	SE9421890862	Troutsdale Beck	SE9482390002	1.3	a	a	10.0109	A	A	2960960	
271223329A	River Derwent	Troutsdale Beck	SE9482390002	Lowdales Beck	SE9669389830	2.3	a	a	10.0109	A	A	2960960	
271223328A	River Derwent	Lowdales Beck	SE9669389830	Sea Cut (Scalby Beck)	SE9727888396	1.8	a	a	10.0109	A	A	2960960	
271223327A	River Derwent	Sea Cut (Scalby Beck)	SE9727888396	River Hertford	SE9813978996	12.6	a	a	10.0109	A	A	2960960	
271223326A	River Derwent	River Hertford	SE9813978996	Ruston Beck	SE9539079461	3.1	b	a	10.0936	C	C	2961000	
271223325A	River Derwent	Ruston Beck	SE9539079461	Brompton Beck	SE9364079448	1.8	b	a	10.0936	C	C	2961000	
271223324A	River Derwent	Brompton Beck	SE9364079448	Sherburn Beck	SE9150979206	2.1	b	a	10.0170	C	B	2961020	
271223323A	River Derwent	Sherburn Beck	SE9150979206	Welldale Beck	SE8931079680	1.6	b	a	10.0170	C	B	2961020	
271223322A	River Derwent	Welldale Beck	SE8931079680	Ebberston Beck	SE8933979645	1.3	b	a	10.0170	C	B	2961020	
271223321A	River Derwent	Ebberston Beck	SE8933979645	Allerston Beck	SE8878679397	0.6	b	a	10.0170	C	B	2961020	
271223320A	River Derwent	Allerston Beck	SE8878679397	Friar Dike	SE8607679109	3.2	b	a	10.0104	B	A	2960990	
271223319A	River Derwent	Friar Dike	SE8607679109	Scampston Beck	SE8535178778	0.8	b	a	10.0104	B	A	2960990	
271223318A	River Derwent	Scampston Beck	SE8535178778	Thornton Beck	SE8437778165	1	b	a	10.0104	B	A	2960990	
271223317A	River Derwent	Thornton Beck	SE8437778165	River Rye	SE8239975716	4.2	b	a	10.0104	B	A	2960990	
271223316A	River Derwent	River Rye	SE8239975716	Settrington Beck	SE8192873663	2.9	a	a	10.0104	B	A	2960990	
271223315D	River Derwent	Settrington Beck	SE8192873663	Great Sike Drain	SE8067072830	2.1	a	a	10.0104	B	A	2960990	
271223315C	River Derwent	Great Sike Drain	SE8067072830	High Beck Mill Stream	SE7910071420	2.5	a	a	10.0104	B	A	2960990	
271223315B	River Derwent	Malton STW	SE7910071420	Menethorpe Beck	SE7755070310	0.3	a	a	10.0104	B	A	2960990	
271223315A	River Derwent	Malton STW	SE7755070310	Menethorpe Beck	SE7652067612	4.8	a	a	10.0102	A	B	2960980	
271223314A	River Derwent	Menethorpe Beck	SE7652067612	Mill Beck	SE7624766882	0.8	a	a	10.0102	A	B	2960980	
271223313A	River Derwent	Mill Beck	SE7624766882	Cram Beck	SE7395767341	2.9	a	a	10.0102	A	B	2960980	
271223312B	River Derwent	Cram Beck	SE7395767341	Kirkham Weir	SE7350165704	2	b	a	10.0106	A	B	2960965	
271223312A	River Derwent	Kirkham Weir	SE7350165704	Spittle Beck	SE7285562258	5.2	a	a	10.0106	B	B	2960965	
271223311A	River Derwent	Spittle Beck	SE7285562258	Whitcarr Beck	SE7372761282	1.8	a	a	10.0106	B	B	2960965	
271223310A	River Derwent	Whitcarr Beck	SE7372761282	Leppington Beck	SE7366961046	0.3	a	a	10.0106	B	B	2960965	
271223309A	River Derwent	Leppington Beck	SE7366961046	Swallowpits Beck	SE7325660548	0.8	a	a	10.0106	B	B	2960965	
271223308A	River Derwent	Swallowpits Beck	SE7325660548	Howl Beck	SE7353558443	2.9	a	a	10.0106	B	B	2960965	
271223307A	River Derwent	Howl Beck	SE7353558443	Ran Beck	SE7293557686	1.3	a	a	10.0106	B	B	2960965	
271223306A	River Derwent	Ran Beck	SE7293557686	Barlam Beck	SE7285757176	0.3	a	a	10.0106	B	B	2960965	
271223305C	River Derwent	Barlam Beck	SE7110055600	Smackdam Beck	SE7060051200	7.4	a	a	10.0105	C	A	2960950	
271223305B	River Derwent	Smackdam Beck	SE7060051200	Elvington Beck	SE7110055600	6	a	a	10.0105		A	2960950	
271223305A	River Derwent	Elvington Beck	SE7025947403	Blackfoss Beck	SE6981042605	5.6	a	a	10.0105	A	A	2960950	
271223304A	River Derwent	Blackfoss Beck	SE6981042605	Ladypit Drain	SE6989136816	6.3	a	a	10.0100	D	A	2960945	
271223303A	River Derwent	Ladypit Drain	SE6989136816	Birk Lane Drain	SE7099636208	1.3	a	a	10.0100	D	A	2960945	
271223302A	River Derwent	Birk Lane Drain	SE7099636208	Fleet Dike	SE7030032740	4	a	a	10.0108	B	A	2960970	
271223301A	River Derwent	Fleet Dike	SE7030032740	River Ouse	SE6778928716	6.4	a	a	10.0108	B	A	2960970	

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER DERWENT TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
271291301A	High Beck Mill Stream	Auburn Hill	SE7982570093	River Derwent	SE7910071420	1.9					B		*
271291001A	Eastfield Drain	Eastfield	TA0430685990	River Hertford	TA0343081200	4.8					E		*
271267001A	Elvington Beck	Elvington Sewage Works	SE6951447878	River Derwent	SE7025947403	1.2							*
271233801A	Woof Howe Grain	Source	SE8986696455	River Derwent	SE9189697090	2.4				A	A		*
271233701A	Bloody Beck	Source	SE9172398126	Lownorth Beck	SE9478598157	3.2				A	A		*
271233602A	Lownorth/Jugger Howe/Brow	Billar Howe Dale	NZ9162101607	Bloody Beck	SE9478598157	4.8	a	a	10.0109	A	A	2960960	
271233601A	Lownorth/Jugger Howe/Brow	Bloody Beck	SE9478598157	River Derwent	SE9354394981	4.8	a	a	10.0109	A	A	2960960	
271233501A	Stockland Beck	Little Grain Noddle	SE8950095300	Black Beck	SE9211592626	3.2				A	A		*
271233401A	Hipperlay Beck	Wykeham High Moor	SE9170095279	Black Beck	SE9281892334	3.2					A		*
271233301A	White Beck	Deep Dale	SE9129590540	Black Beck	SE9331591644	3.2					A		*
271233204A	Black/Crosscliff/Grain Be	Blakey Moor	SE8763094231	Stockland Beck	SE9211592626	6.6					A		*
271233203A	Black/Crosscliff/Grain Be	Stockland Beck	SE9211592626	Hipperlay Beck	SE9281892334	0.8					A		*
271233202A	Black/Crosscliff/Grain Be	Hipperlay Beck	SE9281892334	White Beck	SE9331591644	1					A		*
271233201A	Black/Crosscliff/Grain Be	White Beck	SE9331591644	River Derwent	SE9421890862	1.6					A		*
271233101A	Troutdale Beck	Source	SE8991788130	River Derwent	SE9482390002	7.2					A		*
271233001A	Whisperdale Beck	Whisperdales	SE9642993529	Lowdales Beck	SE9539191601	2.4	b	a	10.0109		A	2960960	
271232902A	Lowdales Beck	High Dales	SE9507093172	Whisperdales Beck	SE9539191601	1.9	b	a	10.0109		A	2960960	
271232901A	Lowdales Beck	Whisperdales Beck	SE9539191601	River Derwent	SE9669389830	2.9	b	a	10.0109		A	2960960	
271232801C	Seamer Drain	Seamer	TA0148683254	Seamer STWf	TA0099983010	0.8					E		*
271232801B	Seamer Drain	Seamer STW	TA0099983010	Upper Ings	TA0065882333	0.8					E		*
271232801A	Seamer Drain	Upper Ings	TA0065882333	River Hertford	SE9977879584	3.7					E		*
271232702C	River Hertford	Source	TA1107377163	North Moor Fm	TA1059478520	1.6		c	10.0942		E	2961280	*
271232702B	River Hertford	North Moor Fm	TA1059478520	Eastfield Drain	TA0343081200	8.2	d	c	10.0942		E	2961280	*
271232702A	River Hertford	Eastfield Drain	TA0343081200	Seamer Drain	SE9977879584	4.2	d	c	10.0942		E	2961280	*
271232701A	River Hertford	Seamer Drain	SE9977879584	River Derwent	SE9813978996	1.9	d	c	10.0174		E	2961200	
271232601A	Beedale Beck	Bee Dale	SE9537586815	Ruston Beck	SE9588983129	4.8				C	C		*
271232501A	Sawden Beck	Haileykeld Rigg	SE9383586015	Rusaton Beck	SE9588983129	4				C	C		*
271232401A	Ruston Beck	Conf. Sawden Beck & Beeda	SE9588983129	River Derwent	SE9539079461	4				C	C		*
271232301A	Brompton Beck	Brompton	SE9444281896	River Derwent	SE9364079448	3.2					B		*
271232201A	Sherburn Beck	The Grits	SE9635175800	River Derwent	SE9150979206	7.2					B		*
271232101A	Welldale Beck	Welldale House	SE9132182611	River Derwent	SE8931079680	3.2					B		*
271232001A	Ebberston Beck	Ebberston Hall	SE8928483152	River Derwent	SE8933979645	4.8					B		*

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES RIVER DERWENT TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
271231901A	Allerston Beck	Given Dale	SE8770084300	River Derwent	SE8878679397	5.6					B		*
271231801A	Friar Dike	Source	SE8696683123	River Derwent	SE8607679109	5.6				B	B		*
271231701A	Scampston Beck	Newton	SE8830571739	River Derwent	SE8535178778	9.3					B		*
271231601A	The Syme	Source	SE7957280544	Thornton Beck	SE8406279128	6.4							
271231502A	Thornton/Dalby/Staindale	High Staindale	SE8843090448	The Syme	SE8406279128	15.8		a	10.0305		A	2960280	*
271231501A	Thornton/Dalby/Staindale	The Syme	SE8406279128	River Derwent	SE8437778165	1.3	b	a	10.0305		A	2960280	*
271226501A	Settrington Beck	Source	SE8642268792	River Derwent	SE8192873663	9.7		a	10.0104		A	2960990	
271226401A	Menethorpe Beck	Mill Farm	SE8230066380	River Derwent	SE7652067612	6.4				A	A		*
271226301A	Howl Beck	Source	SE7662063640	Mill Beck	SE7673366706	4				A	A		*
271226202A	Mill Beck/Gilder Beck	High Penhowe	SE7780064337	Howl Beck	SE7673366706	2.1				A	A		*
271226201A	Mill Beck/Gilder Beck	Howl Beck	SE7673366706	River Derwent	SE7624766882	0.5				A	A		*
271226101A	Cram Beck	Coneysthorpe	SE7157970975	River Derwent	SE7395787341	7.2				B	B		*
271226001A	Dalby Bush Beck	Dalby Bush Farm	SE6400771634	Bulmer Beck	SE6488970180	1.6				B	B		*
271225902A	Spittle/Bulmer/Ings Becks	Source	SE5956372298	Dalby Bush Beck	SE6488970180	7.2		a	10.0106	B	B	2960965	
271225901A	Spittle/Bulmer/Ings Becks	Dalby Bush Beck	SE6488970160	River Derwent	SE7285562258	13.7	b	a	10.0106	B	B	2960965	
271225801A	Moor Beck	Source	SE7895762402	Whitecarr Beck	SE7587161665	3.2							
271225702A	Whitecarr Beck	Leavening	SE7899562874	Moor Beck	SE7587161665	4.3		a	10.0570		C	2961930	
271225701A	Whitecarr Beck	Moor Beck	SE7587161665	River Derwent	SE7372761282	2.6		a	10.0570		C	2961930	
271225601B	Leppington Beck	Acklam	SE7848061580	River Derwent	SE7547660610	4.4							
271225601A	Leppington Beck	Acklam	SE7547660610	River Derwent	SE7366961046	2							
271225501A	Swallowpits Beck	Source	SE7607159961	River Derwent	SE7325660548	4.8		b	10.0574	*	D	2961825	
271225301A	Ran Beck	Source	SE7140759137	River Derwent	SE7293557686	2.4							
271225201A	Gilder Beck	Back Warren Plantation	SE7985361351	Bugthorpe Beck	SE7871558740	3.2							
271225102A	Barlam/Skirpen/Bugthorpe/	Woodley Farm	SE8013258026	Gilder Beck	SE7871558740	1.9		a	10.0367		B	2960090	
271225101A	Barlam/Skirpen/Bugthorpe/	Gilder Beck	SE7871558740	River Derwent	SE7285757176	7.2		a	10.0367		B	2960090	
271225001A	Bishop Wilton Beck	Bishop Wilton	SE8073955397	Spittal Beck	SE7713952965	6.4							
271224901A	Gowthorpe Beck	Garrowby Hall	SE7978157036	Spittal Beck	SE7713952965	6.1							
271224801A	Foss Beck/Spittal Beck	Conf. Gowthorpe Beck/Bish	SE7713952965	Blackfoss Beck	SE7311151191	4.8							
271224701A	Common Beck	Fairfield Farm	SE7356454506	Blackfoss Beck	SE7311151191	4							
271224601A	Millington Beck	Source	SE8425753097	Pocklington Beck	SE8123650715	3.2							
271224501A	Ridings Beck	Deep Dale	SE8208155187	Pocklington Beck	SE8123650715	4.8							

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES RIVER DERWENT TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* 1990	CHEM 1995	CHEM 1995	1995 CHEM SPT CODE
271224401C	Pocklington Beck	Conf Riddings bk/Millingt	SE8123650716	Pocklington	SE8075149679	2.1		a	10.0912			A	2960835
271224401B	Pocklington Beck	Pocklington	SE8075149679	Pocklington STW	SE8011147861	1.2		d	10.0500			C	2960825
271224401A	Pocklington Beck	Pocklington STW	SE8011147861	Bielby Beck	SE8027145351	3		c	10.0940			C	2960830
271224301A	Black Dike	Source	SE7961651503	Sails Beck	SE7422247809	7.2							
271224202A	Sails Beck	Carberry Hall	SE7448451988	Black Dike	SE7422247809	4.8							
271224201A	Sails Beck	Black Dike	SE7422247809	The Beck	SE7381345340	2.9							
271224103B	The Beck/Bielby Beck	Nunburnholme	SE8515348230	Sikes Drain	SE8346946193	2.7		a	10.0943	*		A	2960745
271224103A	The Beck/Bielby Beck	Sikes Drain	SE8346946193	Pocklington Beck	SE8027145351	3.7		b	10.0937	*		B	2960475
271224102A	The Beck/Bielby Beck	Pocklington Beck	SE8027145351	Sails Beck	SE7381345340	7.6		b	10.0937	*		B	2960475
271224101A	The Beck/Bielby Beck	Sails Beck	SE7381345340	Blackfoss Beck	SE7254345613	1.4		b	10.0937	*		B	2960475
271224002A	Blackfoss Beck	Confluence of Common Beck	SE7311151191	Wilberfoss STW	SE7254345613	1	a	b	10.0941	*		C	2960380
271224001B	Blackfoss Beck	Wilberfoss STW	SE7254345613	The Beck	SE7280050100	5.4	a	b	10.0045			C	2960170
271224001A	Blackfoss Beck	The Beck	SE7254345613	River Derwent	SE6981042605	4.8	b	b	10.0046		B	C	2960140
271223901A	Ladypit Drain	Skipwith Common	SE6691337487	River Derwent	SE6989136816	4							
271223801A	Charity Drain	Great West Wood	SE7419942867	Birk Lane Drain	SE7104337006	6.4							
271223702A	Birk Lane Drain	Oak Farm	SE7328438402	Charity Drain	SE7104337006	5.6		b	10.0375			D	2960150
271223701A	Birk Lane Drain	Charity Drain	SE7104337006	River Derwent	SE7099636208	1		b	10.0375			D	2960150
271223601A	Folly Drain	Osgodby	SE6452434066	Lowmoor Drain	SE6835433589	4.8							
271223502A	Lowmoor Drain	Blackwood Hall	SE6722236845	Folly Drain	SE6835433589	3.9		c	10.0472		E	E	2960320
271223501A	Lowmoor Drain	Folly Drain	SE6835433589	River Derwent	SE7030032740	2.4		c	10.0472		E	E	2960320
271223401A	Fleet Dike	Willitof	SE7461534287	River Derwent	SE7030032740	4.8							

* = CHANGE IN SAMPLE POINT

RYE

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADINGS														
RIVER RYE														
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH	BIO	BIO	1995 BIO	* CHEM	CHEM	1995 CHEM	*	
						km	1990	1995	SPT Code	1990	1995	SPT CODE		
271226618A	River Rye	Snilesworth Moor	SE5079296706	Ams Gill	SE5148695050	2.9	a	a	10.0944	*	A	A	2961478	*
271226617A	River Rye	Ams Gill	SE5148695050	Wheat Beck	SE5102894320	1.1	a	a	10.0944	*	A	A	2961478	*
271226616A	River Rye	Wheat Beck	SE5102894320	Blow Gill	SE5253992919	2.4	a	a	10.0944	*	A	A	2961478	*
271226615A	River Rye	Blow Gill	SE5253992919	Eskerdale Beck	SE5287692189	1.3	a	a	10.0944	*	A	A	2961478	*
271226614A	River Rye	Eskerdale Beck	SE5287692189	Thorodale Beck	SE5316790715	1.6	a	a	10.0944	*	A	A	2961478	*
271226613A	River Rye	Thorodale Beck	SE5316790715	Ladhill Beck	SE5459089268	2.4	a	a	10.0944	*	A	A	2961478	*
271226612A	River Rye	Ladhill Beck	SE5459089268	River Seph	SE5566388684	1.3	a	a	10.0944	*	A	A	2961478	*
271226611A	River Rye	River Seph	SE5566388684	Sledhill Gill	SE5685986930	2.6	a	a	10.0944	*	A	A	2961478	*
271226610A	River Rye	Sledhill Gill	SE5685986930	Borough Beck	SE6138083600	11.3	a	a	10.0944	*	A	C	2961478	*
271226609A	River Rye	Borough Beck	SE6138083600	Carlton Watercourse	SE6188183042	1.1	a	a	10.0258	*	A	C	2961500	
271226608A	River Rye	Carlton Watercourse	SE6188183042	White Beck	SE6450579938	4	a	a	10.0258	*	A	C	2961500	
271226607A	River Rye	White Beck	SE6450579938	River Riccal	SE7077579164	9.3	a	a	10.0257		A	A	2961470	
271226606A	River Rye	River Riccal	SE7077579164	River Dove	SE7120978970	0.3	a	a	10.0257		A	A	2961470	
271226605A	River Rye	River Dove	SE7120978970	Holbeck	SE7224177883	1.6	a	a	10.0256		A	A	2961480	
271226604A	River Rye	Holbeck	SE7224177883	River Seven	SE7422377369	2.9	a	a	10.0256		A	A	2961480	
271226603A	River Rye	River Seven	SE7422377369	Slingsby Carr Cut	SE7417876536	0.8	a	a	10.0256		A	A	2961480	
271226602B	River Rye	Slingsby Carr Cut	SE7417876536	Pasture Lane Drain	SE7701974930	3.7	a	a	10.0256		A	A	2961480	
271226602A	River Rye	Pasture Lane Drain	SE7701974930	Costa Beck	SE8087476063	4.5	a	a	10.0256		A	A	2961480	
271226601A	River Rye	Costa Beck	SE8087476063	River Derwent	SE8239775712	1.6		a	10.0256		A	A	2961480	

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER RYE TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	
271291201A	East Drain/Twelve Foot Dr	Keld Head	SE7870084500	Costa Beck	SE7791580429	3.2			10.0084	B	A	2960200	
271291101A	Pasture Lane/Broughton Mo	Swinton Sewage Works	SE7644873850	River Rye	SE7701974930	1.5				A	A		*
271231401A	Ams Gill	Ams Gill Spring	SE5361897926	River Rye	SE5148695050	4							
271231301A	Wheat Beck	Source	SE4875095900	River Rye	SE5102894320	1.6							
271231201A	Blow Gill	Bilsdale West Moor	SE5468196259	River Rye	SE5253992919	4.8							
271231101A	Eskerdale Beck	Blueberry Wood	SE5088792008	River Rye	SE5287692189	2.4							
271231001A	Thorodale Beck	Thorodale Wood	SE5031591253	River Rye	SE5316790715	3.2							
271230901A	Ladhill Beck	High Thwaites	SE5483095082	River Rye	SE5459089268	6.1							
271230801A	Raisdale Beck	Cringle Moor	NZ5455302667	River Seph	SE5589799275	4.8							
271230701A	Tam Hole Beck	Slope Wath Moor	SE5965298209	Ledge Beck	SE5819797128	2.4							
271230601A	Tripsdale Beck	Todd Intake Moor	SE5831999467	Ledge Beck	SE5819797128	2.4							
271230501A	Ledge Beck	Conf. Tripsdale Beck & Ta	SE5819797128	River Seph	SE5708295820	1.6							
271230403A	River Seph/Bilsdale Beck	Mount House Farm	NZ5720002350	Raisdale Beck	SE5589799275	6							
271230402A	River Seph/Bilsdale Beck	Raisdale Beck	SE5589799275	Ledge Beck	SE5708295820	3.7	a	a	10.0944	*	A	2961478	*
271230401A	River Seph/Bilsdale Beck	Ledge Beck	SE5708295820	River Rye	SE5566388684	7.1	a	a	10.0944	*	A	2961478	*
271230301A	Sledhill Gill	Source	SE5230087200	River Rye	SE5685986930	4.5				A	C		*
271230201A	Etton Gill	Middle Heads Wood	SE5856886396	Borough Beck	SE5974085228	2.9				A	C		*
271230102A	Brough Beck	Rievaulx Moor	SE5865090400	Etton Gill	SE5974085228	4.8				A	C		*
271230101A	Brough Beck	Etton Gill	SE5974085228	River Rye	SE6138083600	2.4				A	C		*
271230001A	Carton Watercourse	Smiddales	SE5944795036	River Rye	SE6186183042	14.5					A		*
271229901A	White Beck	Sproxtun	SE6135081400	River Rye	SE6450579938	3.2				A	A		*
271229801A	Bonfield Gill	Bilsdale East Moor	SE6036097500	River Riccal	SE6122789510	8.4				A	A		*
271229701A	Bogmire Gill	Source	SE5920093600	River Riccal	SE6122789510	4.8				A	A		*
271229601D	Ellerker Beck	Source	SE6511383658	Harome STW	SE6590982223	1.4							
271229601C	Ellerker Beck	Harome STW	SE6590982223	Airfield	SE6709581705	1.3							
271229601B	Ellerker Beck	Airfield	SE6709581705	Trawbridge Fm	SE6851181211	1.9							
271229601A	Ellerker Beck	Trawbridge Fm	SE6851181211	Walmouth Beck	SE7039780300	2.2							
271229502A	Walmouth Beck	Dun Keld	SE6740083600	Ellerker Beck	SE7039780300	4.8							
271229501A	Walmouth Beck	Ellerker Beck	SE7039780300	River Riccal	SE7050679448	1.3							
271229402A	River Riccal	Conf. Bogmire Gill & Bonf	SE6122789510	Walmouth Beck	SE7050679448	16.3		a	10.0257		A	2961470	*
271229401A	River Riccal	Walmouth Beck	SE7050679448	River Rye	SE7077579164	0.3	a	a	10.0257	*	A	2961470	*
271229301A	Blakey Gill	Source	NZ6721400283	River Dove	SE6682096858	3.5				B	A		*

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADIES													
RIVER RYE TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
271229201A	West Gill Beck	West Gill Head	SE6470097200	River Dove	SE6740695117	4				B	A		*
271229101A	Harland Beck	Source	SE6640093600	River Dove	SE6660591210	4				B	A		*
271229001A	Bloworth Slack	Source	NZ6110001700	Hodge Beck	SE6196298037	3.2				B	A		*
271228901A	Ouse Gill	Ouse Gill Head	SE6363197763	Hodge Beck	SE6396991817	5.6				B	A		*
271228801A	Mill Beck	Source	SE6847185402	Hodge Beck	SE6946083207	2.4		a	10.0943		B	2960490	*
271228704A	Hodge Beck	Source	NZ6006601430	Bloworth Slack	SE6196298037	4.8		a	10.0127	B	B	2961040	
271228703A	Hodge Beck	Bloworth Slack	SE6196298037	Ouse Gill	SE6396991817	7.2	a	a	10.0127	* B	B	2961040	
271228702A	Hodge Beck	Ouse Gill	SE6396991817	Mill Beck	SE6946083207	12.6	a	a	10.0127	* B	B	2961040	
271228701A	Hodge Beck	Mill Beck	SE6946083207	River Dove	SE6974883012	0.3	a	a	10.0127	* B	B	2961040	
271228605A	River Dove	Middle Head	NZ6225201798	Blakey Gill	SE6682096858	6.8	a	b	10.0130	* B	A	2960860	
271228604A	River Dove	Blakey Gill	SE6682096858	West Gill Beck	SE6740695117	2.4	a	b	10.0130	* B	A	2960860	
271228603A	River Dove	West Gill Beck	SE6740695117	Harland Beck	SE6660591210	4.5	a	b	10.0130	* B	A	2960860	
271228602B	River Dove	Harland Beck	SE6660591210	Yoadwath Mill FF	SE7075087600	7.8	a	b	10.0130	* B	A	2960860	
271228602A	River Dove	Yoadwath Mill FF	SE7075087600	Hodge Beck	SE6974883012	3.5	a	a	10.0129	* B	B	2961030	
271228601A	River Dove	Hodge Beck	SE6974883012	River Rye	SE7120978970	5.1	a	a	10.0127	B	B	2961040	
271228501A	Thorpe Beck	Source	SE5520077650	Holbeck	SE5887076951	4.8							
271228401A	Syke Sewer	Oswaldkirk Hag	SE6055078870	Holbeck	SE6310077500	4							
271228301A	Spring Beck	Blackdale Plantation	SE6270075200	Marrs Beck	SE6713176630	5.1							
271228202A	Marrs Beck	Potter Hill Farm	SE6289873153	Spring Beck	SE6713176630	6.6							
271228201A	Marrs Beck	Spring Beck	SE6713176630	Holbeck	SE6887077852	2.7							
271228101A	Wath Beck	Source	SE6782070250	Holbeck	SE7184877708	12.9							
271228005A	Holbeck	Wass Moor	SE5654980356	Thorpe Beck	SE5887076951	5.1							
271228004A	Holbeck	Thorpe Beck	SE5887076951	Syke Sewer	SE6310077500	5.6							
271228003A	Holbeck	Syke Sewer	SE6310077500	Marrs Beck	SE6887077852	5							
271228002A	Holbeck	Marrs Beck	SE6887077852	Wath Beck	SE7184877708	3.5							
271228001A	Holbeck	Wath Beck	SE7184877708	River Rye	SE7224177883	0.3							
271227901A	Northdale Beck	Source	SE7154699872	River Seven	SE7253195642	5.6				B	B		*
271227801A	Hartoft Beck	Source	SE7310099600	River Seven	SE7485292462	8.8				B	B		*
271227701A	Hole Beck	Spaunton Moor	SE7201993383	River Seven	SE7451689663	5.6				B	B		*
271227601A	Sutherland Beck	Rawcliff	SE7962091670	Little Beck	SE7528390134	4.8				B	B		*
271227502A	Little Beck	Cropton Forest	SE7688692847	Sutherland Beck	SE7528390134	3.2				B	B		*
271227501A	Little Beck	Sutherland Beck	SE7528390134	River Seven	SE7471288971	1.6				B	B		*

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADINGS													
RIVER RYE TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	
271227401A	Catter Beck/Hutton Beck	Spaunton Lodge	SE6990792404	River Seven	SE7341283886	9.7				B	B		*
271227306A	River Seven	Rosedale Head	NZ6794901653	Northdale Beck	SE7253195642	8	a	a	10.0268	*	B	B	2961530
271227305A	River Seven	Northdale Beck	SE7253195642	Hartoft Beck	SE7485292462	4.8	a	a	10.0266	*	B	B	2961530
271227304A	River Seven	Hartoft Beck	SE7485292462	Hole Beck	SE7451689663	3.2	a	a	10.0266	*		B	2961530
271227303A	River Seven	Hole Beck	SE7451689663	Little Beck	SE7471288971	0.8	a	a	10.0266	*	B	B	2961530
271227302B	River Seven	Little Beck	SE7380084200	Sinnington Trout Farm	SE7471288971	7	a	a	10.0268	*	B	B	2961530
271227302A	River Seven	Sinnington Trout Farm	SE7380084200	Catter Beck	SE7341283886	1	a	b	10.0264	*		B	2961510
271227301A	River Seven	Catter Beck	SE7341283886	River Rye	SE7422377369	7.7	b	b	10.0264	*	B	B	2961510
271227201A	Slingsby Carr Cut	Slingsby	SE6994375481	River Rye	SE7417876536	4.8						A	*
271227101D	Oxfolds Beck	Source	SE7900084600	Keld Head Farm	SE7860084400	0.5		a	10.0406			C	2960800
271227101C	Oxfolds Beck	Keld Head Farm	SE7865284404	Stanfield House Farm	SE78444484145	0.7	d	a	10.0406	*		C	2960800
271227101B	Oxfolds Beck	Stanfield House Farm	SE78444484145	Costa Fish Farm	SE7753183720	1.3	d	a	10.0406	*		C	2960800
271227101A	Oxfolds Beck	Costa Fish Farm	SE7753083720	Costa Beck	SE7804783874	1	d	a	10.0084	*		B	2960200
271227001A	Black Sike	High Coppice	SE7537086766	Costa Beck	SE7669982485	4.8					B	A	*
271226901A	Levisham Beck	Low Horcum	SE8444193390	Pickering Beck	SE8301788346	6.4						A	*
271226802A	Pickering Beck	Fen Moor	SE8402197020	Moorlands Trout Farm	SE8000084800	11.3		a	10.0498		B	B	2960820
271226801A	Pickering Beck	Moorlands Trout Farm	SE8000084800	Costa Beck	SE7860879743	12.9	b	a	10.0239	*		A	2960810
271226704A	Costa Beck	Keld Head	SE7865284403	Oxfolds Beck	SE7753083720	1.6	c	b	10.0399	*		C	2960220
271226703A	Costa Beck	Oxfolds Beck	SE7753083720	Black Sike	SE7669982485	1.6	a	a	10.0084	*	B	A	2960200
271226702B	Costa Beck	Black Sike	SE7791580429	East Drain	SE7860879743	2.8	a	a	10.0084	*	B	A	2960200
271226702A	Costa Beck	East Drain	SE7791580429	Pickering Beck	SE7860879743	1.1	a	a	10.0084	*	B	A	2960200
271226701A	Costa Beck	Pickering Beck	SE7860879743	River Rye	SE8087476063	5.8	a	a	10.0084	*	B	A	2960200

* = CHANGE IN SAMPLE POINT

ESK

— CLASS A
 — CLASS B
 — CLASS C
 — CLASS D
 — CLASS E
 — CLASS F
 — UNCLASSIFIED
 ■ GQA Sample Points

Flamborough Head

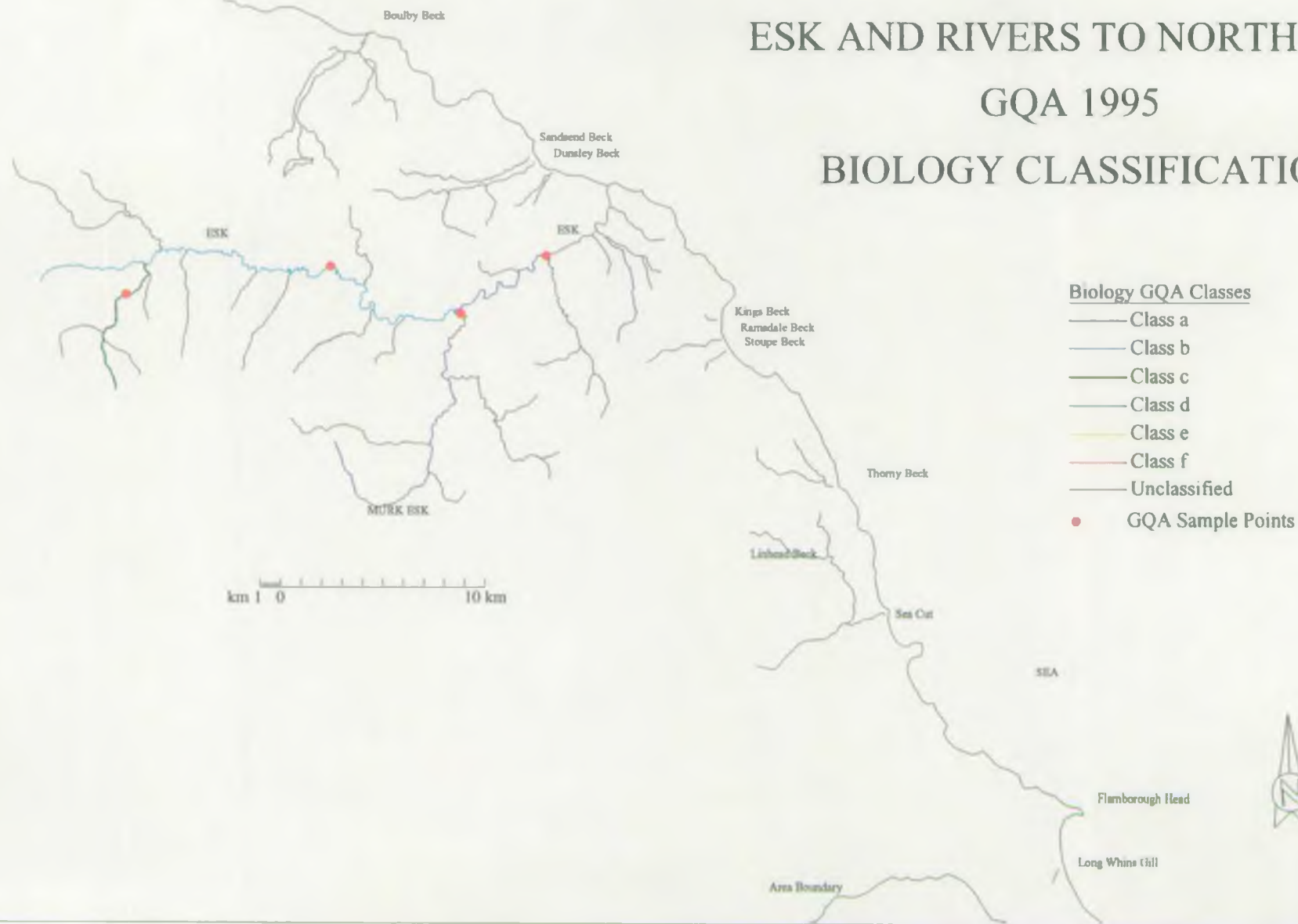
Long Whans Gill

Area Boundary

ESK AND RIVERS TO NORTH SEA

GQA 1995

BIOLOGY CLASSIFICATION



GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER ESK													
REACH	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH	BIO	BIO	1995 BIO	* CHEM	CHEM	1995 CHEM	*
270500116A	River Esk	Esklets	NZ6576301627	Clough Gill	NZ6522603935	2.9	b	c	10.0143	*	A	A	2901120 *
270500115A	River Esk	Clough Gill	NZ6522603935	Stockdale Beck	NZ6516204323	0.5	b	c	10.0143	*	A	A	2901120 *
270500114A	River Esk	Stockdale Beck	NZ6516204323	Tower Beck	NZ6741607151	4	b	c	10.0143	*	A	A	2901120 *
270500113A	River Esk	Tower Beck	NZ6741607151	Baysdale Beck	NZ6730807640	0.8	a	c	10.0143	*	A	A	2901120 *
270500112A	River Esk	Baysdale Beck	NZ6730807640	Sleddale Beck	NZ6799408335	1.3	a	b	10.0146	*	A	A	2901070
270500111A	River Esk	Sleddale Beck	NZ6799408335	Danby Beck	NZ6926608267	1.8	a	b	10.0146	*	A	A	2901070
270500110A	River Esk	Danby Beck	NZ6926608267	Little Fryup Beck	NZ7264507288	4.8	a	b	10.0146	*	A	A	2901070
270500109A	River Esk	Little Fryup Beck	NZ7264507288	Great Fryup Beck	NZ7431207157	2.4	b	b	10.0146	*	A	A	2901070
270500108A	River Esk	Great Fryup Beck	NZ7431207157	Stonegate Beck	NZ7795906618	5.6	b	b	10.0146	*	A	A	2901070
270500107A	River Esk	Stonegate Beck	NZ7795906618	Glaisdale Beck	NZ7840505454	2.9	b	b	10.0146	*	A	A	2901070
270500106A	River Esk	Glaisdale Beck	NZ7840505454	Butter Beck	NZ7990105127	2.4	b	b	10.0146	*	A	A	2901070
270500105A	River Esk	Butter Beck	NZ7990105127	Murk Esk	NZ8242605303	3.2	b	b	10.0146	*	A	A	2901070
270500104A	River Esk	Murk Esk	NZ8242605303	Backwood Beck	NZ8553607306	5	a	a	10.0147		B	B	2901080
270500103A	River Esk	Backwood Beck	NZ8553607306	Little Beck	NZ8685808123	2.3	a	a	10.0147		B	B	2901080
270500102C	River Esk	Little Beck	NZ8685808123	Ruswarp Weir	NZ8865708995	2.1	a	a	10.0147		B	B	2901080
270500102B	River Esk	Ruswarp Weir	NZ8865708995	Shawn Riggs Beck	NZ8919309128	0.8							
270500102A	River Esk	Shawn Riggs Beck	NZ8919309128	Rigg Mill Beck	NZ8935209311	0.3							
270500101B	River Esk	Rigg Mill Beck	NZ8935209311	Spital Beck	NZ9003810464	2							
270500101A	River Esk	Spital Beck	NZ9003810464	Seaward Limit	NZ8997311469	1.6							

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES														
RIVER ESK TRIBUTARIES														
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*	
270590201A	Spital Beck	Source	NZ9275708930	River Esk	NZ9003810464	1.6								
270590101A	Shawn Riggs Beck	Source	NZ8993107112	River Esk	NZ8919309128	2.4								
270502701A	Clough Gill	Ralph Cross	NZ6697802310	River Esk	NZ6522603935	3.2								
270502601A	Stockdale Beck	Stockdale Moor	NZ6323003104	River Esk	NZ6516204323	3.2								
270502501A	Tower Beck	Broad Gate	NZ6738104950	River Esk	NZ6741607151	3.2								
270502401A	Baysdale Beck	Baysdale Abbey	NZ6211806854	River Esk	NZ6730807640	6.4	c	b	10.0146	*	A	2901070	*	
270502301A	Commondale Beck	Source	NZ6408312163	Sleddale Beck	NZ6651609928	3.2								
270502202A	Sleddale Beck	Source	NZ6074212735	Commondale Beck	NZ6651609928	7.4								
270502201A	Sleddale Beck	Commondale Beck	NZ6651609928	River Esk	NZ6799408335	2.9								
270502101A	Danby Beck	Honey Bee Nest	NZ6903703134	River Esk	NZ6926608267	6.4								
270502001A	Little Fryup Beck	Stonebeck	NZ7142005422	River Esk	NZ7264507288	3.2								
270501901A	Great Fryup Beck	Dale Head	NZ7195202504	River Esk	NZ7431207157	6.4								
270501801A	Stonegate Beck	Red Mires	NZ7722910566	River Esk	NZ7795906618	4.8								
270501701A	Glaisdale Beck	Dale Head	NZ7450902401	River Esk	NZ7840505454	6.4								
270501601A	Butter Beck	Grange Head	NZ7851002860	River Esk	NZ7990105127	3.2								
270501501A	Blawath Beck	Wardle Green	SE8293296839	West Beck	SE8110597688	1.6								
270501401A	Rutmoor Beck	White Moor	SE7649199212	West Beck	SE8110597688	7.2		a	10.0215		A	A	2900720	
270501301A	Wheeldale Gill	Source	NZ7434000308	West Beck	SE8116799036	8								
270501201A	Little Eller Beck	Source	SE8830598690	Eller Beck	SE8638598490	1.6								
270501101A	Brocka Beck	Source	SE8751798635	Eller Beck	SE8659598385	2.4								
270501003A	Eller Beck	Snod Hill	SE8706097419	Little Eller Beck	SE8659598385	1.6								
270501002A	Eller Beck	Little Eller Beck	SE8659598385	Brocka Beck	NZ8431500180	3.2								
270501001A	Eller Beck	Brocka Beck	NZ8431500180	Murk Esk	NZ8201602110	4								
270500903A	Murk Esk/West Beck	Conf. Rutmoor Beck & Blawa	SE8110597688	Wheeldale Gill	SE8116799036	1.6	a	a	10.0215	*	A	A	2900720	
270500902A	Murk Esk/West Beck	Wheeldale Gill	SE8116799036	Eller Beck	NZ8201602110	4	a	a	10.0215	*	A	A	2900720	
270500901B	Murk Esk/West Beck	Eller Beck	NZ8201602110	River Esk	NZ8233104240	4.4	a	a	10.0215		A	A	2900720	
270500901A	Murk Esk/West Beck	Eller Beck	NZ8233104240	River Esk	NZ8242605303	2	a	a	10.0215		A	A	2900720	
270500801A	Backwood Beck	Howcam Plantation	NZ8355007837	River Esk	NZ8553607306	2.9								
270500701A	Blea Hill Beck	Source	NZ8955100356	May Beck	NZ8927602428	2.4								
270500601A	Parsley Beck	Source	NZ8632302894	Little Beck	NZ8858703731	3.2								

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER ESK TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1998	1995 BIO SPT Code	* CHEM 1990	CHEM 1998	1995 CHEM SPT CODE	*
270500503A	Little Beck/May Beck	Source	NZ8885001391	Blea Hill Beck	NZ8927602428	1.3							
270500502A	Little Beck/May Beck	Blea Hill Beck	NZ8927602428	Parsley Beck	NZ8858703731	1.8							
270500501A	Little Beck/May Beck	Parsley Beck	NZ8858703731	River Esk	NZ8685808123	5.3							
270500401B	Hawsker Beck	High Hawsker	NZ9260607244	Intake Beck	NZ9200407584	0.8							
270500401A	Hawsker Beck	High Hawsker	NZ9200407584	Intake Beck	NZ9157408100	0.8							
270500302A	Intake Beck	Mitten Hill	NZ9212306486	Hawsker Beck	NZ9157408100	1.8							
270500301B	Intake Beck	Hawsker Beck	NZ9157408100	Rigg Mill Beck	NZ9129808125	0.3							
270500301A	Intake Beck	Hawsker Beck	NZ9129808125	Rigg Mill Beck	NZ8981709007	0.5							
270500202A	Rigg Mill Beck/Long Mill	Source	NZ9044503925	Intake Beck	NZ8981709007	6.1							
270500201A	Rigg Mill Beck/Long Mill	Intake Beck	NZ8981709007	River Esk	NZ8935209311	0.6							
271300101A	Old Beck	Reighton Sewage Works	TA1328875542	North Sea	TA1546575440	2.3							
271100101A	Long Whins Gill	Linkfield	TA1180778501	North Sea	TA1213879038	0.8							
271000301A	Lindhead Beck	Burgate Farm	SE9692994812	Burniston Beck	TA0080493762	4							
271000202A	Burniston Beck	Little Moor	TA0038395796	Lindhead Beck	TA0080493762	1.9							
271000201A	Burniston Beck	Lindhead Beck	TA0080493762	Scalby Beck	TA0180290455	4							
271000102A	Sea Cut/Scalby Beck	River Derwent	SE9730488395	Burniston Beck	TA0180290455	5.3							
271000101B	Sea Cut/Scalby Beck	Burniston Beck	TA0180290455	A165 Road	TA0276690705	1.3							
271000101A	Sea Cut/Scalby Beck	A165 Road	TA0276690705	North Sea	TA0360290879	0.8							
270900201A	Staintondale Beck	Source	SE9910199252	Hayburn Beck	TA0063097326	3.2							
270900102A	Hayburn Beck/Thorny Beck	Staintondale Moor	SE9724598879	Staintondale Beck	TA0063097326	4.5							
270900101A	Hayburn Beck/Thorny Beck	Staintondale Beck	TA0063097326	North Sea	TA0103597093	0.8							
270800101A	Stoupe Beck	Allison Head Wood	NZ9476702553	North Sea	NZ9577203541	1.6							
270700101A	Mill Beck/Ramsdale Beck	Kirk Moor	NZ9189102942	North Sea	NZ9554904056	4							
270600101A	Kings Beck	Thorpe	NZ9470805225	North Sea	NZ9530604991	1.8							
270400201A	Dunsley Beck	Heulah Farm	NZ8536110474	Newholme Beck	NZ8706512030	2.4							
270400102A	Newholm Beck	Newholm Green	NZ8627710597	Dunsley Beck	NZ8706512030	1.6							
270400101A	Newholm Beck	Dunsley Beck	NZ8706512030	North Sea	NZ8719212189	0.2							
270300301A	Birk Head Beck	Hutton Mulgrave Moor	NZ8340208943	East Row Beck	NZ8212111110	3.2							
270300201A	Biggersdale Beck	Skelder Plantation	NZ8396209587	East Row Beck	NZ8394711527	2.4							
270300103A	East Row Beck	Ugthorpe Lodge	NZ7843011281	Birk Head Beck	NZ8212111110	4							
270300102A	East Row Beck	Birk Head Beck	NZ8212111110	Biggersdale Beck	NZ8394711527	2.3							
270300101A	East Row Beck	Biggersdale Beck	NZ8394711527	North Sea	NZ8632612626	2.9							

* = CHANGE IN SAMPLE POINT

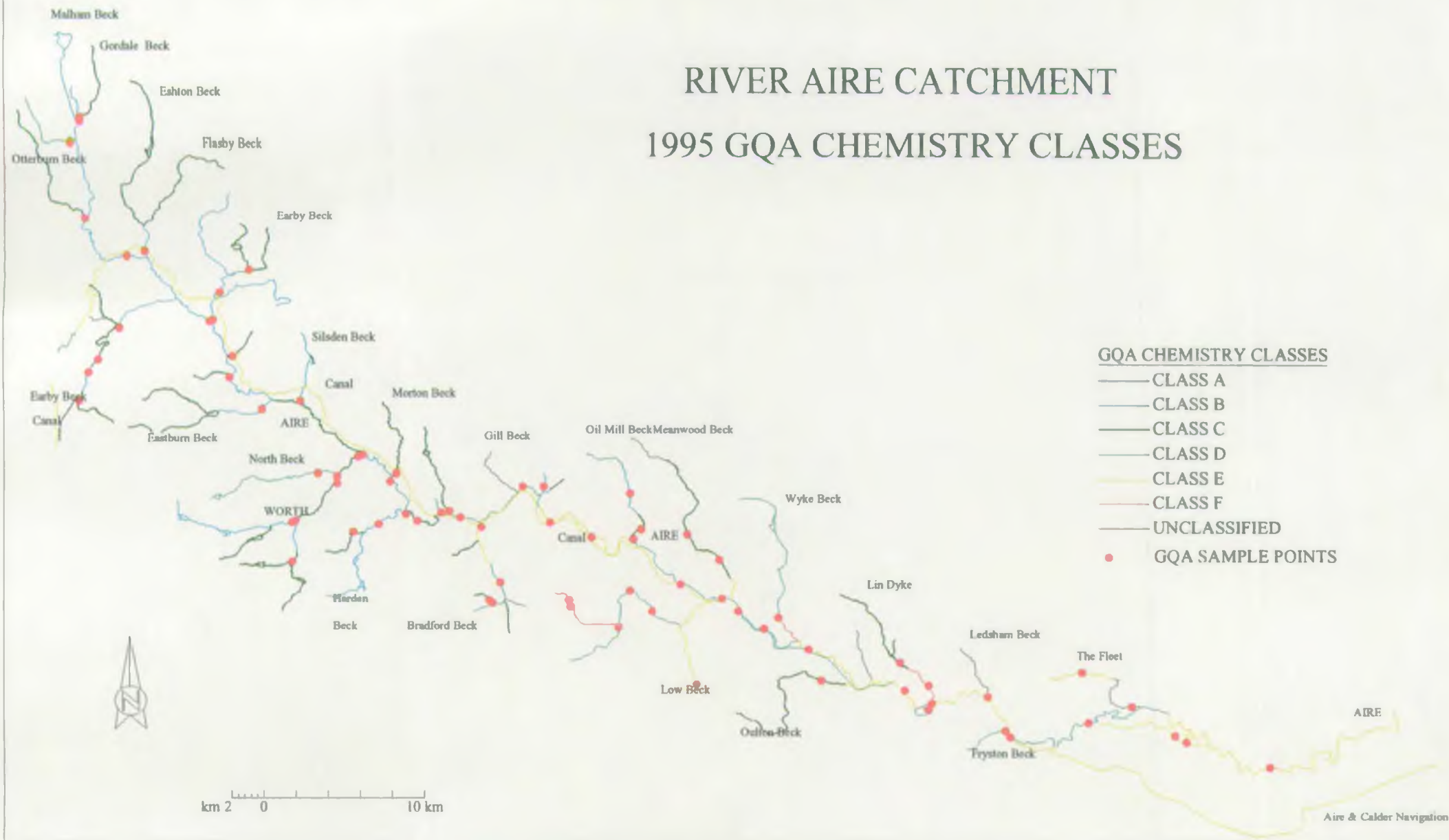
GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES														
RIVER ESK TRIBUTARIES														
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*	
270200101A	Sandsend Beck/Mickley Bec	Source	NZ7967612378	North Sea	NZ8603312956	7.2								
270100801A	Sandwath Beck	Tranmire	NZ7664811882	Roxby Beck	NZ7489514398	3.2								
270100701A	Boghouse Beck	Easington High Moor	NZ7525412821	Roxby Beck	NZ7525412821	3.2								
270100601A	Roxby Beck	Conf.of Boghouse Beck & S	NZ7489514398	Staithe Beck	NZ7697217971	4.8								
270100501A	Boulby Beck	Boulby Mine	NZ7623418141	Easington Beck	NZ7671118079	0.8								
270100402A	Easington Beck	Source	NZ7326212511	Boulby Beck	NZ7671118079	6.4								
270100401A	Easington Beck	Boulby Beck	NZ7671118079	Staithe Beck	NZ7697217971	1.6								
270100301A	Borrowby Beck	Low Borrowby	NZ7734415357	Newton Beck	NZ7801017598	2.4								
270100202A	Newton Beck	Ellerby	NZ7952714642	Borrowby Beck	NZ7801017598	4								
270100201A	Newton Beck	Borrowby Beck	NZ7801017598	Staithe Beck	NZ7765917966	0.8								
270100102A	Staithe Beck	Conf.of Roxby Beck & Easi	NZ7697217971	Newton Beck	NZ7765917966	0.3								
270100101A	Staithe Beck	Newton Beck	NZ7765917966	North Sea	NZ7828218909	1.3								
261600101A	Danes Dyke/Bempton Beck	Bempton Sewage Works	TA2152969126	North Sea	TA1931171612	3.9								
260300101A	Stream Dyke (Homsea Mere	Homsea Mere	TA2002547159	North Sea	TA2107047503	1.1						F	2900473	*
260200201D	Stream Dyke/Skipsea Drain	Source	TA1704748306	No Man's Friend Drain	TA1757551243	3.5						F	2921785	*
260200201C	Stream Dyke/Skipsea Drain	No Man's Friend Drain	TA1757551243	Trib at Low Skirmington C	TA1719652129	1.1	f	e	10.0288	*		E	2921780	*
260200201B	Stream Dyke/Skipsea Drain	Trib at Low Skirmington C	TA1719652129	B1249 Road Bridge	TA1644154817	3.4								
260200201A	Stream Dyke/Skipsea Drain	B1249 Road Bridge	TA1644154817	Barnston Main Drain	TA1455957080	3.6								
260200102A	Barnston Main Drain	Westfield Farm	TA1069454444	Stream Dyke	TA1455957080	5.3								
260200101A	Barnston Main Drain	Stream Dyke	TA1455957080	North Sea	TA1724658691	4.7	d	c	10.0027		E	D	2920100	
260100103A	Gypsy Race	Duggleby	TA0033472093	West Lutton	SE9718970871	4								
260100101B	Gypsy Race	Weaverthorpe	SE9718870871	St Johns Ave Bridlington	TA1702867443	20		f	10.0166	*			2900400	*
260100101A	Gypsy Race	St Johns Ave Bridlington	TA1702867443	North Sea	TA1840866588	1.9					E		2900396	*
260090101A	The Earls Dyke	Fraisthorpe	TA1693661420	North Sea	TA1515661281	1.9	f	d	10.0411				2900330	*

* = CHANGE IN SAMPLE POINT

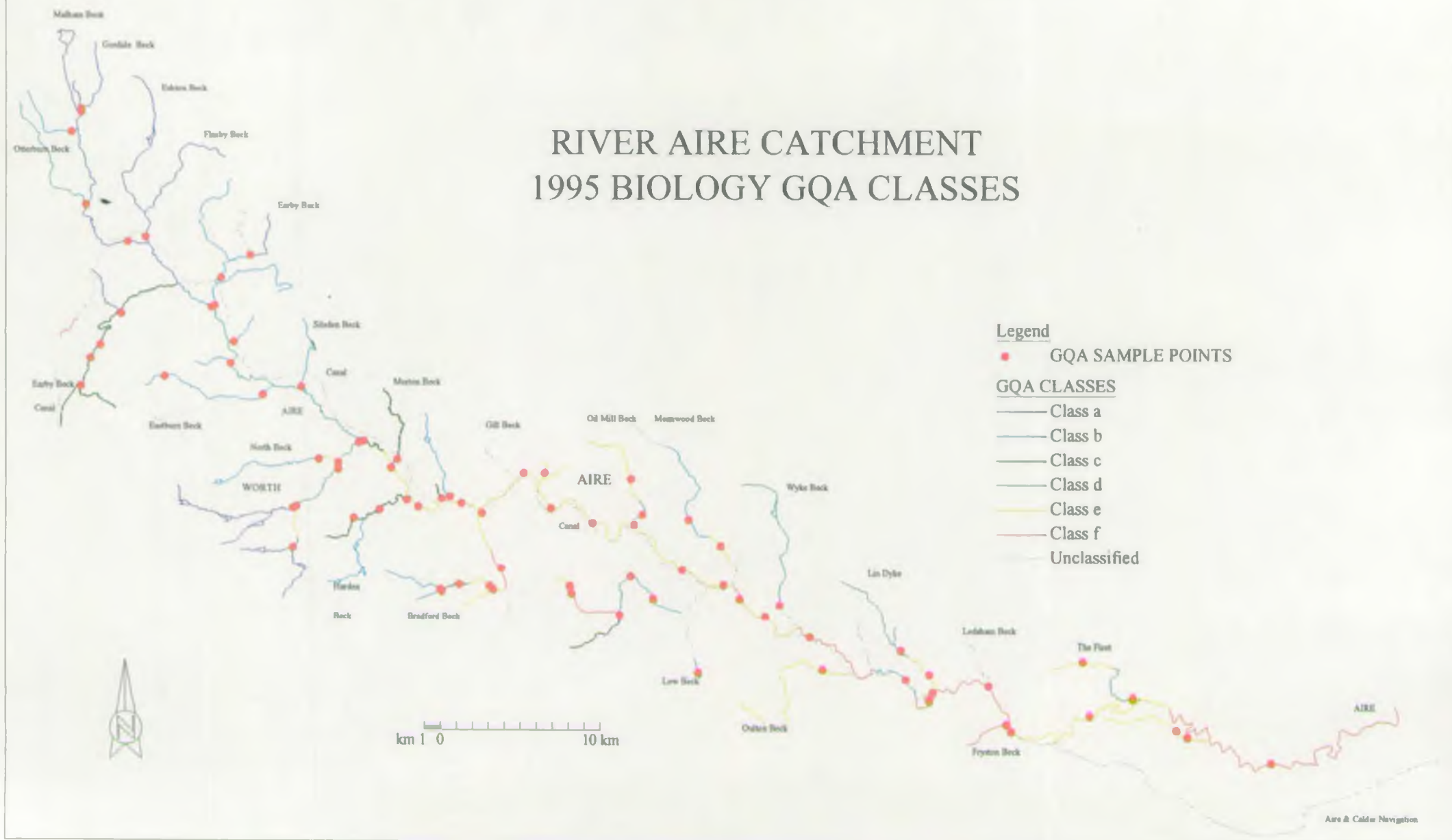
AIRE

RIVER AIRE CATCHMENT

1995 GQA CHEMISTRY CLASSES



RIVER AIRE CATCHMENT 1995 BIOLOGY GQA CLASSES



GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER AIRE													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	
271212336A	River Aire	Malham Tam	SD8940066600	Malham Beck	SD9015761988	5.1		a	10.0003	B	B	4942100	*
271212335A	River Aire	Malham Beck	SD9015761988	Kirkby Beck	SD8998161002	1.3		a	10.0003	B	B	4942100	*
271212334A	River Aire	Kirkby Beck	SD8998161002	Otterburn Beck	SD9050856352	5.6	b	a	10.0003	B	B	4942100	*
271212333B	River Aire	Otterburn Beck	SD9050856352	Crosber Beck	SD9189053850	4.6	b	a	10.0003	B	B	4942100	*
271212333A	River Aire	Crosber Beck	SD9189053850	Eshton Beck	SD9434053934	2.3	b	a	10.0003	B	B	4942100	
271212332B	River Aire	Eshton Beck	SD9434053934	Gargrave STW	SD9460253697	0.4	b	a	10.0003	B	B	4942100	
271212332A	River Aire	Gargrave STW	SD9460253697	Broughton Beck	SD9615451475	3.1		b	10.2102	B	B	4942050	
271212331B	River Aire	Broughton Beck	SD9615451475	SD960518	SD9600051800	3		b	10.2102	B	B	4942050	
271212331A	River Aire	SD960518	SD9600051800	Eller Beck	SD9845250120	0.2		b	10.2102	B	B	4942050	
271212330A	River Aire	Eller Beck	SD9845250120	Bradley Beck	SD9940547956	2.9	e	d	10.0005	D	B	4942060	
271212329A	River Aire	Bradley Beck	SD9940547956	Cononley Beck	SD9950746756	1.9	e	d	10.0005	* D	B	4942060	
271212328A	River Aire	Cononley Beck	SD9950746756	Eastburn Beck	SE0211445378	4.2	e	d	10.0005	* D	B	4942060	
271212327A	River Aire	Eastburn Beck	SE0211445378	Silsden Beck	SE0419144883	2.7	e	d	10.0005	* D	C	4942060	*
271212326A	River Aire	Silsden Beck	SE0419144883	River Worth	SE0764242146	5.8	e	d	10.0005	* C	C	4942060	*
271212325B	River Aire	River Worth	SE0764242146	Marley STW	SE0902241388	2.3	e	c	10.2399	* C	B	4942087	*
271212325A	River Aire	Marley STW	SE0902241388	Morton Beck	SE0959640405	1.3	e	e	10.2215	* D	D	4942080	*
271212324A	River Aire	Morton Beck	SE0959640405	Harden Beck	SE1074038564	3.1	e	e	10.2215	* D	D	4942080	
271212323A	River Aire	Harden Beck	SE1074038564	Little Beck	SE1275638382	3.7	e	e	10.2401	* C	C	4942070	
271212322A	River Aire	Little Beck	SE1275638382	Loadpit Beck	SE1310738384	0.5	e	e	10.2398	* C	D	4942110	
271212321A	River Aire	Loadpit Beck	SE1310738384	Bradford Beck	SE1518137985	2.3	e	e	10.2398	* C	D	4942110	
271212320A	River Aire	Bradford Beck	SE1518137985	Gill Beck (Baildon)	SE1745439732	3.5	e	e	10.0011	* E	D	4942030	
271212319A	River Aire	Gill Beck (Baildon)	SE1745439732	Gill Beck (Guisley)	SE1889539553	1.9	e	e	10.0011	* D	D	4942030	*
271212318D	River Aire	Gill Beck (Guisley)	SE1889539553	Esholt STW	SE1884338802	0.9	e	e	10.0008	* D	D	4942000	*

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER AIRE													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* 1990	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE
271212318C	River Aire	Esholt STW	SE1884338802	Apperley	SE1957537922	1.1	e	e	10.0008	*	E	E	4942000
271212318B	River Aire	Apperley	SE1957537922	Sandoz	SE2186337369	3.2	f	e	10.0007	*	E	E	1941060
271212318A	River Aire	Sandoz	SE2186337369	Oil Mill Beck	SE2445636874	4.8	f	e	10.0007	*	E	E	1941060
271212317A	River Aire	Oil Mill Beck	SE2445636874	Low Beck (Leeds/Liverpool)	SE2985533071	8	f	e	10.0001	*	E	D	1941100
271212316A	River Aire	Low Beck (Leeds/Liverpool)	SE2985533071	Meanwood Beck	SE3089833089	1.3	f	e	10.2402	*	E	D	1941120
271212315A	River Aire	Meanwood Beck	SE3089833089	Aire & Calder Navigation	SE3159132034	1.4	f	f	10.2404	*	E	D	1941132
271212314A	River Aire	Aire & Calder Navigation	SE3159132034	Wyke Beck	SE3502830546	4.7	f	e	10.2397	*	E	D	1941032
271212313A	River Aire	Wyke Beck	SE3502830546	Oulton Beck	SE3856627847	4.8	f	f	10.2396	*	E	E	1941095
271212312A	River Aire	Oulton Beck	SE3856627847	Fleakingley Beck	SE3963928190	1.6	f	f	10.2396	*	E	E	1941095
271212311A	River Aire	Fleakingley Beck	SE3963928190	Leeds/Knottingley Canal	SE4088928005	1.9	f	d	10.0006	*	E	E	1941040
271212310A	River Aire	Aire & Calder Navigation	SE4088928005	River Calder	SE4236626318	2.4	f	d	10.0006	*	E	E	1941040
271212309A	River Aire	River Calder	SE4236626318	Lin Dike	SE4344726809	2.6	f	f	10.0015	*	E	D	1941030
271212308A	River Aire	Lin Dike	SE4344726809	Fairburn Ings	SE4680527157	4.2	f	f	10.0013	*	E	E	1941150
271212307A	River Aire	Fairburn Ings	SE4680527157	Fryston Beck	SE4821925074	2.6	f	f	10.2227	*	E	E	1941035
271212306A	River Aire	Fryston Beck	SE4821925074	Aire & Calder Navigation	SE4837224570	0.6	f	f	10.2232	*	E	E	1941080
271212305A	River Aire	Aire & Calder Navigation	SE4837224570	Aire & Calder Navigation	SE5114624018	3.5	f	e	10.0012		E	D	1941050
271212304A	River Aire	Aire & Calder Navigation	SE5114624018	The Fleet	SE5633726445	9	f	e	10.0012		E	D	1941050
271212303A	River Aire	The Fleet	SE5633726445	Selby Canal	SE5705026401	0.6	f	e	10.0012		E	D	1941050
271212302B	River Aire	Selby Canal	SE5705026401	Chapel Haddlesey	SE5818126002	1.4	f	e	10.0012		E	D	1941050
271212302A	River Aire	Chapel Haddlesey	SE5818126002	Ings & Tetherings Drain	SE6070424154	6.1	f	f	10.0010		E	E	1941130
271212301A	River Aire	Ings & Tetherings Drain	SE6070424154	River Ouse	SE7216926180	19.6	f	f	10.0010		E	E	1941130

* = CHANGE IN SAMPLE POINT

			GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
			RIVER AIRE TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE				
271291801A	Eastbrook Beck	Source	SE1796532697	Bradford Beck	SE1669733119	1.5						F	494T290			
271291701A	Bowling Beck	Source	SE1700430997	Bradford Beck	SE1659632991	1.3				B	C	494T040				
271291601A	Westbrook Beck	Source	SE1376331725	Bradford Beck	SE1589533029	2		e	10.2446	D	O	494T790				
271291501A	Sough Dike	Source	SE0940035800	Harden Beck	SE0768536004	0.5										
271291401A	Gordon Beck	Source	SD8870060200	Kirkby Beck	SD8960060900	0.3										
271267101A	Langber Beck	East Marton Sewage Works	SD9087250325	Crickle Beck	SD9194150264	1.3										
271223101A	Gordale Beck	Great Close Mire	SD9099366408	Malham Beck	SD9026262159	5.6		a	10.2140		C	4941710				
271223002B	Malham Beck	Malham Cove	SD8973964041	Malham STW	SD9006062622	1.8		a	10.2138		B	4941730				
271223002A	Malham Beck	Malham STW	SD9006062622	Gordale Beck	SD9026262159	0.5		a	10.2138		B	4941730				
271223001A	Malham Beck	Gordale Beck	SD9026262159	River Aire	SD9015761988	0.2		a	10.2140		C	4941710				
271222902A	Kirkby Beck/Grains Beck	Kirkby Fell	SD8680063400	Kirkby Malham	SD8960060900	4.6		b	10.0456		D	4941420				
271222901A	Kirkby Beck/Grains Beck	Kirkby Malham	SD8960060900	River Aire	SD8998161002	0.5		b	10.0456		D	4941420				
271222801A	Otterburn Beck	Scotthorp High Moor	SD8635162657	River Aire	SD9050856352	8.5		d	10.0493		C	494T635				
271222701A	Flasby Beck	Cracoe Fell Ingfell	SD9913359376	Eshton Beck	SD9413455934	8		a	10.2143		C	4940930				*
271222602A	Eshton/Winterburn/Hetton	Winterburn Reservoir	SD9457260140	Flasby Beck	SD9413455934	10.8		a	10.2143		C	4940930				*
271222601A	Eshton/Winterburn/Hetton	Flasby Beck	SD9413455934	River Aire	SD9434053984	2.3		a	10.2143		C	4940930				
271222501D	Lancashire Gill	Warehouse Lane SSO	SD8883142800	Hulleth Hall	SD8895543017	0.4		c	10.2431		B	C	4941480			
271222501C	Lancashire Gill	Hulleth Hall	SD8895543017	Bashfield Farm	SD8901743358	0.5		c	10.2431		B	C	4941480			
271222501B	Lancashire Gill	Bashfield Farm	SD8901743358	D/S B6383	SD8900043900	0.6		c	10.2431		B	C	4941480			
271222501A	Lancashire Gill	D/S B6383	SD8900043900	Earby Beck	SD9010445299	1.9		c	10.2431		B	C	4941480			
271222401D	Crickle Beck	West Marton	SD9084152276	d/s West Norton Dairy	SD9089752315	2.1			NEWSITE		C	4941705				
271222401C	Crickle Beck	d/s West Norton Dairy	SD9089752315	Green Bank	SD9156151428	1.3		a	10.2145		C	4941485				*
271222401B	Crickle Beck	Green Bank	SD9156151428	Langber Beck	SD9194150264	1.4		a	10.2145		C	4941485				*
271222401A	Crickle Beck	Crickle Beck	SD9194150264	Broughton Beck	SD9270249897	1.1		a	10.2145		C	4941485				*
271222303A	Broughton Beck/Earby Beck	Kelbrook Wood	SD9232143939	Lancashire Gill	SD9010445299	3.7		c	10.2431		C	4941480				*
271222302B	Broughton Beck/Earby Beck	Lancashire Gill	SD9010445299	Langber Beck	SD9100447380	2.5		c	10.2418		B	494T280				
271222302A	Broughton Beck/Earby Beck	Lancashire Gill	SD9100447380	Langber Beck	SD9270249897	5.2		c	10.2415		E	C	494T270			
271222301A	Broughton Beck/Earby Beck	Langber Beck	SD9270249897	River Aire	SD9615451475	4.3		c	10.2415		D	B	494T270			*
271222201A	Embsay Beck	Wayshaw Bogs	SE0011756001	Haw Beck	SE0052053159	3.4			10.2147		C	4940920				

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER AIRE TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	
271222102A	Haw Beck	Tewit Bogs	SE0184155783	Embsay Beck	SE0052053159	4		a	10.2148		C	4941200	
271222101B	Haw Beck	Embsay Beck	SE0052053159	Eller Beck	SD9960052900	0.4		b	10.2417	B	B	4940880	
271222101A	Haw Beck	Embsay Beck	SD9960052900	Eller Beck	SD9860052800	0.7		b	10.2417	B	B	4940880	
271222001B	Skibeden Beck	Source	SE0170051000	Embsay Steam Railway	SD9992552365	4.3		b	10.2358	B	B	4940860	
271222001A	Skibeden Beck	Embsay Steam Railway	SD9992552365	Eller Beck	SD9862851498	1.5		b	10.2358	B	B	4940860	
271221903A	Eller Beck	Rylstone Fell Outfall	SD9947857958	Haw Beck	SD9982553047	7.7		b	10.2417	B	B	4940880	
271221902B	Eller Beck	Haw Beck	SD9982553047	Skipton Centre	SD9892051980	1.7		b	10.2417	B	B	4940880	
271221902A	Eller Beck	Skipton Centre	SD9892051980	Skibeden Beck	SD9862851498	0.7		b	10.2358	B	B	4940860	
271221901A	Eller Beck	Waller Hill	SD9862851498	River Aire	SD9845250120	1.6	c	b	10.2358	B	B	4940860	
271221801A	Bradley Beck	New House	SE0094949504	River Aire	SD9940547956	2.6	a	b	10.0579		C	4940280	
271221701B	Cononley Beck	Cononley Moor	SD9729146745	River Aire	SD9858546996	1.4	b	b	10.0398		C	4940470	
271221701A	Cononley Beck	Cononley Moor	SD9858546996	River Aire	SD9950746756	1	b	b	10.0398		C	4940470	
271221601A	Lothersdale Beck	Raygill House	SD9411245373	Eastburn Beck	SD9877344623	5.3		b	10.2425		C	4941640	
271221502A	Eastburn Beck	Davy's Hill	SD9870044600	Lothersdale Beck	SD9877344623	5.5			10.2425		C	4941640	*
271221501A	Eastburn Beck	Lothersdale Beck	SD9877344623	River Aire	SE0211445378	4.2	b	b	10.0581	*	B	4940800	
271221401B	Silsden Beck	Silsden Reservoir	SE0447747677	River Aire	SE0423146619	3.1	d	b	10.2440	*	B	4942820	*
271221401A	Silsden Beck	Silsden Reservoir	SE0423146619	River Aire	SE0419144883	2	d	b	10.2440	*	B	4942820	*
271220801B	Morton Beck	Source	SE0907145187	Wetstone Allotment	SE1006842328	3.8		c	10.0479	*	C	4941790	
271220801A	Morton Beck	Wetstone Allotment	SE1006842328	River Aire	SE0959640405	2		c	10.0479		C	4941790	
271220701B	Manywells Beck	Cullingworth Moor	SE0545936153	Harden Beck	SE0672636170	1.2		c	10.2414	B	C	4940490	*
271220701A	Manywells Beck	Cullingworth Moor	SE0672636170	Harden Beck	SE0791637243	1.9		c	10.2414	B	C	4940490	*
271220602B	Harden Beck	Stubden Reservoir	SE0634233268	Sough Dyke	SE0768536004	4.4	c	b	10.0169	B	B	4941190	
271220602A	Harden Beck	Sough Dyke	SE0768536004	Manywells Beck	SE0791637243	1.2	c	b	10.0169	B	B	4941190	
271220601A	Harden Beck	Manywells Beck	SE0791637243	River Aire	SE1074038564	4	d	c	10.0170	B	B	4941170	
271220501A	Little Beck	Lane End Farm	SE1229639359	River Aire	SE1275638382	1.1		c	10.2203		D	4941590	
271220401B	Loadpit Beck	Yellow Bog	SE1169542229	River Aire	SE1260040600	3.3		b	10.2204		C	4941610	
271220401A	Loadpit Beck	Yellow Bog	SE1260040600	River Aire	SE1310738384	2.5		b	10.2204		C	4941610	
271220301A	Pitty Beck	Bell Dean	SE0923034064	Bradford Beck	SE1269033004	3.8		b	10.2205	B	C	494T650	
271220201B	Clayton Beck	Chat Hill	SE1111332308	Bradford Beck	SE1181132527	0.9		b	10.2206	A	B	494T180	
271220201A	Clayton Beck	Chat Hill	SE1181132527	Bradford Beck	SE1269033004	1		b	10.2206	A	B	494T180	
271220101A	Red Beck	Shay Lane	SE1336035909	Bradford Beck	SE1503036768	1.7				B	C	494T660	

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER AIRE TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
271220002G	Bradford Beck	Confluence of Pitty Beck	SE1269033004	Ring Rd	SE1432433214	2.1		c	10.2429	B	B	494T590	
271220002F	Bradford Beck	Ring Rd	SE1432433214	Adj. Thornton Rd	SE1549333320	1.2		e	10.2408	F	C	494T050	
271220002E	Bradford Beck	Adj. Thornton Rd	SE1549333320	Westbrook Beck	SE1589533029	0.5		e	10.2408	F	C	494T050	
271220002D	Bradford Beck	Westbrook Beck	SE1589533029	Bowling Beck	SE1659632991	0.2		e	10.2409	E	D	494T060	
271220002C	Bradford Beck	Bowling Beck	SE1659632991	Eastbrook Beck	SE1669733119	0.2		f	10.2407	E	D	494T070	
271220002B	Bradford Beck	Eastbrook Beck	SE1669733119	Red Beck	SE1576435335	2.5		f	10.2407	E	D	494T070	
271220002A	Bradford Beck	Eastbrook Beck	SE1576435335	Red Beck	SE1503036766	1.8	f	e	10.0047	F	E	494T080	
271220001A	Bradford Beck	Red Beck	SE1503036766	River Aire	SE1518137985	1.3	f	e	10.0047	F	E	494T080	
271219901A	Gill Beck (Baildon)	New Dam	SE1579442100	River Aire	SE1745439732	3.7							*
271219801A	Nunroyd Beck	Nun Royd	SE1912140867	Guisley	SE1904139738	1.9		e	10.2418		B	494T410	
271219702B	Gill Beck (Guisley)	A65 Road	SE2032340557	Gill Wood	SE1946339920	1.3		e	10.2418		C	494T410	*
271219702A	Gill Beck (Guisley)	A65 Road	SE1946339920	Nunroyd Beck	SE1904139738	0.5		e	10.2418		B	494T410	*
271219701A	Gill Beck (Guisley)	Nunroyd Beck	SE1904139738	River Aire	SE1889539553	0.2	e	e	10.2418	*	B	494T410	*
271219601E	Carlton Beck	Novia Farm	SE2183642100	Oil Mill Beck	SE2396841519	2.5		e	10.2434		D	1940925	*
271219601D	Carlton Beck	Carlton Beck	SE2396841519	Dean Grange Farm	SE2419740524	1		e	10.2434		B	1940925	
271219601C	Carlton Beck	Dean Grange Farm	SE2419740524	Horsforth Station	SE2453539695	1		e	10.2434		B	1940925	
271219601B	Carlton Beck	Horsforth Station	SE2453539695	Clayton Woods	SE2498538412	1.5		e	10.2433		B	1940920	*
271219601A	Carlton Beck	Clayton Woods	SE2498538412	River Aire	SE2445636874	2	e	d	10.0232	C	C	1940948	*
271219501B	Tong Beck	Westgate Hill	SE2077229385	Tong Beck	SE2275230164	2.6		c	10.2221		D	1941725	
271219501A	Tong Beck	Tong	SE2275230164	Wortley Beck	SE2375531651	2.4		c	10.2221		D	1941725	*
271219401C	Millshaw Beck	Grove Mills	SE2755627734	Owler Beck	SE2874027635	1					E		*
271219401B	Millshaw Beck	Owler Beck	SE2880027600	Cotton Mill Beck	SE2850028700	1.1		d	10.2223	E	E	1940790	*
271219401A	Millshaw Beck	Cotton Mill Beck	SE2850028700	Low Beck	SE2768931465	3.1				E	E	1940800	
271219303B	Low/Wortley/Pudsey Becks	The Oatlands	SE1980433618	Smalewell STW	SE2084332692	2.1		e	10.2445		F	1941800	
271219303A	Low/Wortley/Pudsey Becks	Smalewell STW	SE2084332692	Tong Beck	SE2375531651	3		f	10.2444		F	1941810	
271219302C	Low/Wortley/Pudsey Becks	Tong Beck	SE2375531651	d/s Houghside	SE2377433091	1.9		d	10.0420	D	D	1940520	
271219302B	Low/Wortley/Pudsey Becks	d/s Houghside	SE2377433091	d/s Farsley Reservoir	SE2538833023	2		d	10.0420	C	D	1940520	
271219302A	Low/Wortley/Pudsey Becks	d/s Farsley Reservoir	SE2538833023	Conf Wortley and Millshaw	SE2768931465	3.8	e	d	10.0359		D	1940493	*
271219301A	Low/Wortley/Pudsey Becks	Conf Wortley and Millshaw	SE2768931465	River Aire	SE2985533071	3.2				E	E	1942010	

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER AIRE TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	
271219201E	Meanwood Beck	Bramhope	SE2453642988	d/s Golden Acre Park	SE2681041669	3.2							
271219201D	Meanwood Beck	d/s Golden Acre Park	SE2681041669	Meanwood	SE2808937202	5.8		b	10.2427		C	1940755	
271219201C	Meanwood Beck	Meanwood	SE2800037200	Buslingthorpe Lane	SE2920036200	1.5		b	10.2427	C	C	1940755	
271219201B	Meanwood Beck	Buslingthorpe Lane	SE2920036200	Sheepscar	SE3080134440	2.5		e	10.2428		C	1940753	*
271219201A	Meanwood Beck	Sheepscar	SE3080134440	River Aire	SE3089833089	1.5					E	1941600	
271219101D	Wyke Beck/Great Heads Bec	Roundhay Park	SE3351737409	Donisthorpe	SE3416833869	8.7		d	10.0360	*	D	D	1942020
271219101C	Wyke Beck/Great Heads Bec	Donisthorpe	SE3416833869	Minor Road	SE3470030600	2.1	d	d	10.0360		D	D	1942020
271219101B	Wyke Beck/Great Heads Bec	Minor Road	SE3416833869	Knostrop STW	SE3470030600	1.6	d	d	10.0360		D	D	1942020
271219101A	Wyke Beck/Great Heads Bec	Knostrop STW	SE3380131960	River Aire	SE3502830546	0.3				F	F	1942030	
271219001G	Oulton Beck	The Fall	SE3110026100	M1 Bridge	SE3200425697	1		e	10.2435		C	1940940	
271219001F	Oulton Beck	M1 Bridge	SE3200425696	Lofthouse Colliery	SE3278125058	1		e	10.2435		D	C	1940940
271219001E	Oulton Beck	Lofthouse Colliery	SE3278125058	Lofthouse Gate	SE3355324797	1		e	10.2435		D	C	1940940
271219001D	Oulton Beck	Lofthouse Gate	SE3355324797	d/s Leemoor	SE3403925616	1.5		e	10.2435		D	C	1940940
271219001C	Oulton Beck	d/s Leemoor	SE3403925616	West Beck	SE3401127598	2.5		e	10.2435		D	C	1940940
271219001B	Oulton Beck	West Beck	SE3401127578	Lemonroyd	SE3797227889	5		e	10.2435		C	C	1940940
271219001A	Oulton Beck	Lemonroyd	SE3797227889	River Aire	SE3856627847	0.8					E	1940950	
271218901C	Fleakingley Beck	Armitage's Brick Works	SE3867231176	Goody Cross Rd.	SE3874130158	1.2							*
271218901B	Fleakingley Beck	Goody Cross Road	SE3874130158	Swillington	SE3924328926	1.6							*
271218901A	Fleakingley Beck	Swillington	SE3924328926	River Aire	SE3963928190	1.1							
271212901A	Hollins Beck	Moor Gate	SE4109330610	Lin Dike	SE4090229539	1.6		d	10.2439		C	1940715	
271212802A	Lin Dike/Sheffield Beck	Barrowby Park	SE3763934661	Hollins Beck	SE4090029500	4.2		d	10.2439		C	1940715	
271212801D	Lin Dike/Sheffield Beck	Hollins Beck	SE4090029500	Owlwood STW	SE4175028840	1.3		d	10.2439		C	1940715	
271212801C	Lin Dike/Sheffield Beck	Owlwood STW	SE4175028840	A656	SE4264328295	1		e	10.2230		F	1940700	*
271212801B	Lin Dike/Sheffield Beck	A656	SE4264328295	d/s Newton Ings	SE4331627507	1.1		e	10.2230		F	1940700	*
271212801A	Lin Dike/Sheffield Beck	d/s Newton Ings	SE4331627507	River Aire	SE4344726809	0.8		e	10.2230	F	F	1940700	
271212701A	Ledsham Beck	Ledsham	SE4517330044	River Aire	SE4680527157	3.9							
271212601A	Fryston Beck	Park Road Glasshoughton	SE4556423873	River Aire	SE4821925074	4.5		f	10.2231		D	1940540	
271212501B	The Fleet	Hillam	SE5083528250	Near Gateforth	SE5487528249	4		e	10.2229		E	1940750	*
271212501A	The Fleet	Near Gateforth	SE5467528249	River Aire	SE5633726445	4		d	10.2441			1941705	*
271212401B	Ings and Tetherings/Marsh	Beal	SE5705026401	Eggborough STW	SE5917824238	6.4		e	10.2422		E	1940585	
271212401A	Ings and Tetherings/Marsh	Eggborough STW	SE5917824238	River Aire	SE6070424154	1.6		e	10.2363		E	1940590	

* = CHANGE IN SAMPLE POINT

			GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES											
			RIVER WORTH AND TRIBUTARIES											
REACH	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH	BIO	BIO	1995 BIO	*	CHEM	CHEM	1995 CHEM	*
INDEX						km	1990	1995	SPT Code		1990	1995	SPT CODE	
271220904A	River Worth	Water Sheddles Reservoir	SD9631938359	Sladen Beck	SE0202137615	6.3		a	10.2213		B	B	4942710	
271220903A	River Worth	Sladen Beck	SE0202137615	Bridgehouse Beck	SE0363338101	1.9		a	10.2213	*	B	B	4942710	
271220902B	River Worth	Bridgehouse Beck	SE0363338101	North Beck	SE0482138569	1.7		d	10.2447		B	C	4942720	
271220902A	River Worth	Bridgehouse Beck	SE0482138569	North Beck	SE0621740805	3.1		d	10.2447		B	C	4942720	
271220901A	River Worth	North Beck	SE0621740805	River Aire	SE0764242146	2.3	d	d	10.0584		D	C	4942740	
271221301A	Sladen Beck	Sandy Hill	SE0142237097	River Worth	SE0202037610	4		a	10.2213	*		C	4942710	*
271221201A	Leeshaw Beck	Leeshaw Reservoir	SE0160535160	Bridgehouse Beck	SE0329535488	3.4		a	10.2411	*	C	C	4940220	*
271221102A	Bridgehouse Beck	Leeming Reservoir	SE0375534333	Leeshaw Beck	SE0329535488	3.4		a	10.2411		C	C	4940220	*
271221101B	Bridgehouse Beck	Leeshaw Beck	SE0329535488	Oxenhope	SE0365736037	0.8		a	10.2411		C	C	4940220	*
271221101A	Bridgehouse Beck	Oxenhope	SE0365736037	River Worth	SE0363338101	2.4		e	10.2359		B	B	4940210	
271221001C	North Beck	Comber Hill	SD9870039400	Goose Eye	SE0280040600	5.7		b	10.2432			D	4941850	*
271221001B	North Beck	Goose Eye	SE0280040600	CSO	SE0526341000	2.7		b	10.2432			D	4941850	*

* = CHANGE IN SAMPLE POINT

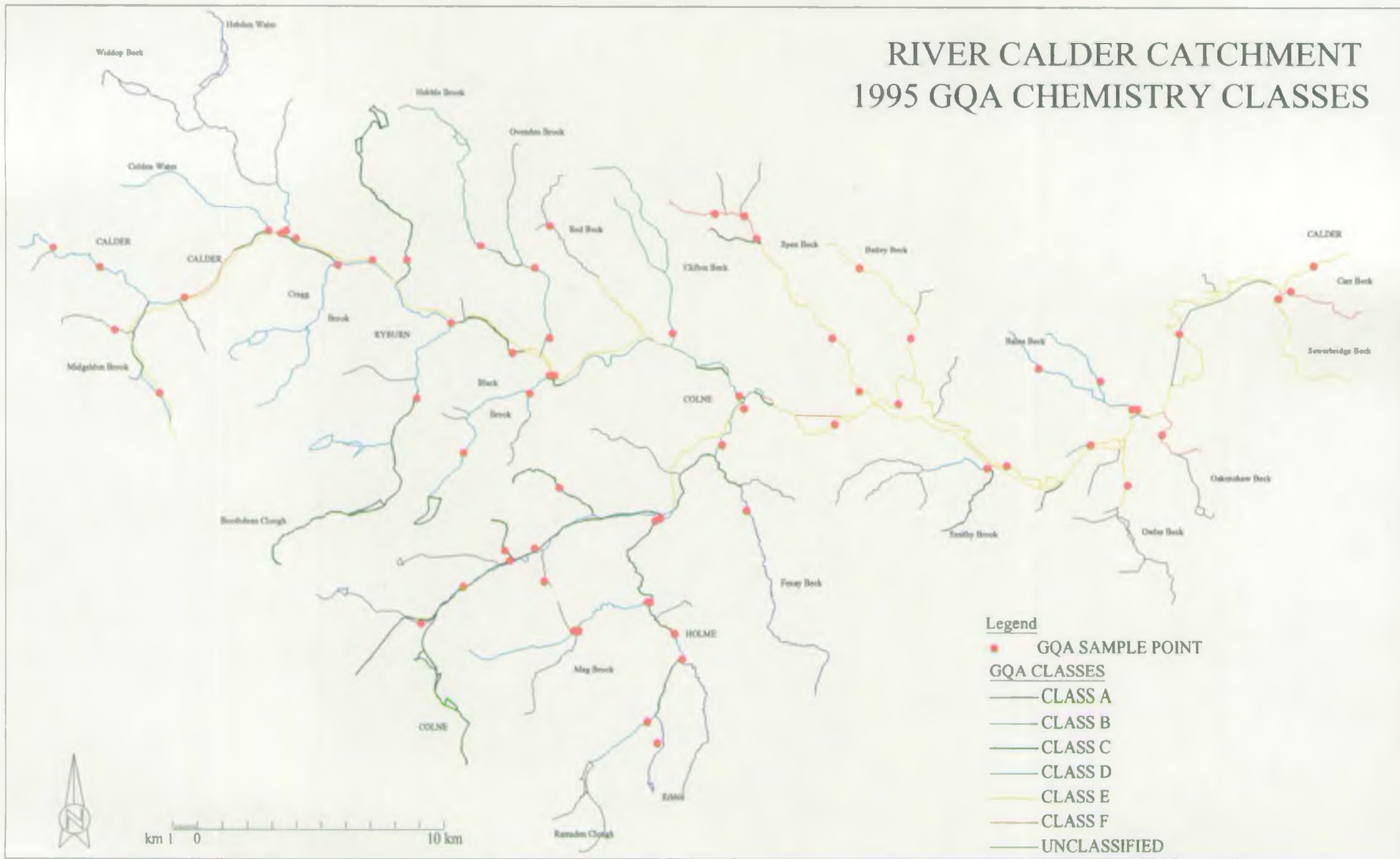
CALDER

**RIVER CALDER CATCHMENT
1995 GQA CHEMISTRY CLASSES**

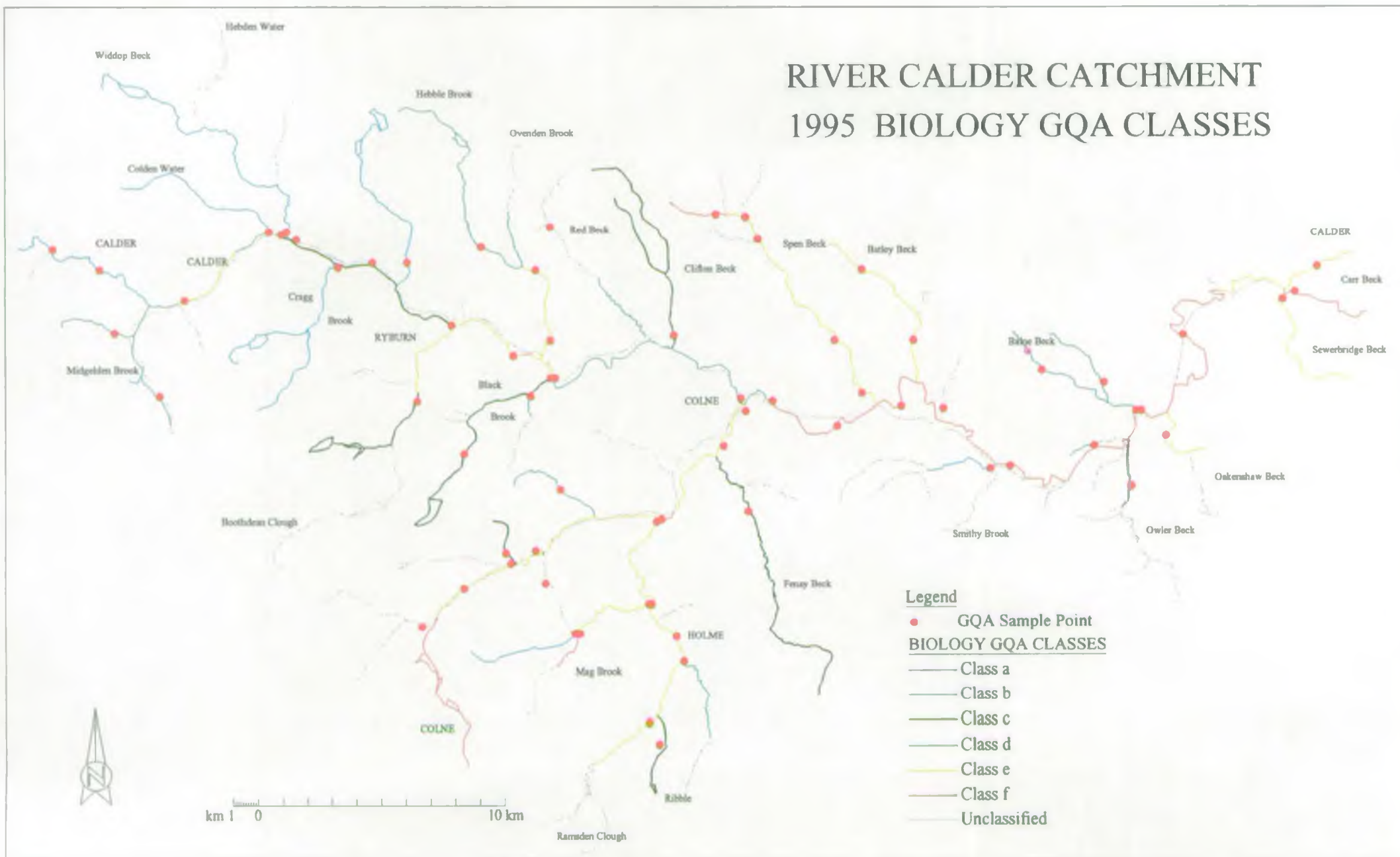
Legend

- GQA SAMPLE POINT
- GQA CLASSES**
 - CLASS A
 - CLASS B
 - CLASS C
 - CLASS D
 - CLASS E
 - CLASS F
 - UNCLASSIFIED

Map labels include: Widdop Beck, Hildon Water, Cuddes Water, Calder, Midgelson Brook, Cross Brook, EYRUEN, Black Brook, COLNE, Fosse Brook, HOLME, Mag Brook, COLNE, Ramden Clough, Red Brook, Overton Brook, Clifton Brook, Spout Brook, Batley Brook, Hales Brook, Sewerbridge Beck, Oakenham Beck, and Osler Beck.



RIVER CALDER CATCHMENT 1995 BIOLOGY GQA CLASSES



GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER CALDER													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
271213041C	River Calder	Heald Moor	SD8840226524	Beater Clough	SD8976726352	2.9	c	b	10.0058	* C	B	4952265	
271213041B	River Calder	Beater Clough	SD8976726352	Centre Vale Park	SD9315824855	3.6	e	b	10.0060	* B	B	4952175	*
271213041A	River Calder	Centre Vale Park	SD9315824855	Walsten Water	SD9367424297	1	e	b	10.0060	* B	B	4952175	
271213040A	River Calder	Walsden Water	SD9367424297	Lumbutts Clough	SD9486724392	1.4	d	d	10.2451	* B	B	4952290	
271213039B	River Calder	Lumbutts Clough	SD9486724392	Eastwood STW	SD9849327248	1.4	d	d	10.2451	* B	B	4952290	
271213039A	River Calder	Eastwood STW	SD9849327248	Colden Water	SD9722006400	1.8	c	d	10.2236	* B	C	4952240	*
271213038A	River Calder	Colden Water	SD9849227247	Hebden Water	SD9906027161	2.4	c	d	10.2236	* D	D	4952240	
271213037A	River Calder	Hebden Water	SD9906027161	Cragg Brook	SE0122006000	2.6	c	c	10.0057	* C	C	4952230	
271213036A	River Calder	Cragg Brook	SE0122006000	Luddenden Brook	SE0367125090	3.4	e	c	10.2450	* C	B	4952170	
271213035A	River Calder	Luddenden Brook	SE0367125090	River Ryburn	SE0592223458	3.4	e	c	10.2253	* B	B	4952280	
271213034A	River Calder	River Ryburn	SE0592223458	Warley Clough	SE0644623566	0.6	e	e	10.0065	* B	C	4952190	
271213033C	River Calder	Warley Clough	SE0644623566	Copley	SE0900022300	3.2	e	e	10.0065	* C	C	4952190	
271213033B	River Calder	Copley	SE0885422381	Halifax Outfall	SE0916622369	0.4	e	e	10.0065	* E	E	4952190	*
271213033A	River Calder	Halifax Outfall	SE0916622369	Hebble Brook	SE0949422162	0.4	e	e	10.2260	* E	E	4952260	
271213032A	River Calder	Hebble Brook	SE0949422162	Black Brook	SE1005021400	1.1	f	e	10.2260	* E	E	4952260	
271213031B	River Calder	Black Brook	SE0995921361	Brookfoot	SE1064221237	1.4	f	d	10.2453	* C	C	4952180	*
271213031A	River Calder	Brookfoot	SE1064221237	Brighouse Basin	SE1490022600	5.5	f	d	10.2453	* D	D	4952180	*
271213030A	River Calder	Brighouse Basin	SE1490022600	Anchor Pit Lock	SE1580021800	1.4	f	d	10.2453	* D	D	4952180	
271213029A	River Calder	Anchorpit Lock	SE1590021800	Kirklees Cut	SE1720021500	1.6	f	d	10.2453	* D	D	4952180	
271213028A	River Calder	Kirklees Cut	SE1720021500	Cooper Bridge Cut	SE1746120752	1	f	d	10.2453	* D	D	4952180	
271213027A	River Calder	Cooperbridge Cut	SE1746120752	Sir John Ramsden Canal	SE1755520492	0.3	f	d	10.2453	* D	D	4952180	
271213026A	River Calder	Sir John Ramsden Canal	SE1755520492	River Colne	SE1778020370	0.3	f	d	10.2453	* D	D	4952180	

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER CALDER													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
271213025A	River Calder	River Colne	SE1778020370	Cooperbridge Lock	SE1784020550	0.1	f	d	10.2453	*	D	D	4952180
271213024A	River Calder	Cooperbridge Lock	SE1784020550	Batleyford Cut	SE1820920788	0.5	f	d	10.2453	*	D	D	4952180
271213023B	River Calder	Batleyford Cut	SE1820920788	Huddersfield Outfall	SE1863320581	0.3	f	d	10.2453	*	D	D	4952180
271213023A	River Calder	huddersfield Outfall	SE1863320581	Batleyford Marina	SE1899420296	0.7	f	f	10.0064		F	E	4952250
271213022B	River Calder	Batleyford Marina	SE2010019600	Newgate	SE2050019200	1	f	f	10.0064		F		4952250 *
271213022A	River Calder	Newgate	SE1899420296	Lowlands	SE2100019600	1.3	f	f	10.2449	*	F	E	4952255 *
271213021A	River Calder	Lowlands	SE2050019200	Low Mill Lane	SE2180019800	2.1	f	f	10.2449	*		E	4952255 *
271213020A	River Calder	Low Mill Lane	SE2180019800	CGreenwood Lock	SE2230019700	0.6	f	f	10.2449	*		E	4952255 *
271213019A	River Calder	Greenwood Lock	SE2230019700	Thornhill Flood Lock	SE2295120261	1	f	f	10.2449	*		E	4952255 *
271213018A	River Calder	Thornhill Flood Lock	SE2295120261	Spen Beck	SE2311420341	0.2	f	f	10.2449	*		E	4952255 *
271213017A	River Calder	Spen Beck	SE2311420341	Batley Beck	SE2469821196	2.9	f	f	10.2297	*	E	E	4952200
271213016A	River Calder	Batley Beck	SE2469821196	Chickenley Beck	SE2550119790	2.1	f	f	10.2297	*	E	E	4952200 *
271213015B	River Calder	Chickenley Beck	SE2550119791	Mitchell Laithes	SE2627319502	1.1	f	f	10.2297	*	E	E	4952200 *
271213015A	River Calder	Mitchell Laithes	SE2550119790	Smithy Brook	SE2793717958	2.9	f	f	10.2452	*	E	E	1951170
271213014A	River Calder	Smithy Brook	SE2793717958	Calder and Hebble Canal (	SE3077617277	3.9	f	f	10.2452	*	E	E	1951170
271213013A	River Calder	Calder and Hebble Canal (	SE3077617277	Calder and Hebble Canal	SE3178818507	1.6	f	f	10.2452	*	E	E	1951170
271213012A	River Calder	Calder and Hebble Canal	SE3178818507	Lupset Beck	SE3203318660	0.2	f	f	10.2452	*	E	E	1951170
271213011B	River Calder	Lupset Beck	SE2072308882	Durkar Beck	SE1845814916	1		f	10.0002	*	E	E	1951180
271213011A	River Calder	Durkar Beck	SE3203318660	Calder and Hebble Canal	SE3262018839	0.8		f	10.0002	*	E	E	1951180
271213010A	River Calder	Calder and Hebble Canal	SE3305118920	Owler Beck	SE3324818918	0.6		f	10.0002	*	E	E	1951180
271213009A	River Calder	Owler Beck	SE3324818918	Calder and Hebble Canal	SE3353719755	1		f	10.0002	*	E	E	1951180
271213008A	River Calder	Calder and Hebble Canal	SE3353719755	River Chald	SE3356920081	0.3		f	10.0002	*	E	E	1951180
271213007A	River Calder	River Chald	SE3356920081	Calder and Hebble Canal	SE3421719783	0.6		f	10.0002	*	E	E	1951180 *
271213006A	River Calder	at Belle Vue	SE3421719783	Oakenshaw Beck	SE3484120015	0.6		f	10.0002	*	E	E	1951180 *
271213005A	River Calder	Oakenshaw Beck	SE3484120015	Aire and Calder Navigatio	SE3512121057	1.1		f	10.0002	*	E	E	1951180 *
271213004A	River Calder	At Eastmoor	SE3512121057	Newmarket Beck	SE3692224808	10		f	10.2306	*	E	E	1951200 *
271213003A	River Calder	Newmarket Beck	SE3692224808	Aire and Calder Navigatio	SE3922025092	3.1		e	10.0061		E	E	1951190
271213002A	River Calder	Aire and Calder Navigatio	SE3922025092	Choke Churl Beck	SE3956124857	0.5		e	10.0061			E	1951190
271213001A	River Calder	Choke Churl Beck	SE3956124857	River Aire	SE4227926259	3.4		e	10.0061		E	E	1951190

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADE														
RIVER CALDER TRIBUTARIES														
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE		
271291901B	Beater Clough	Craggs Moor Colliery (dis)	SD8889525519	River Calder	SD8904925656	0.1								
271291901A	Beater Clough	Craggs Moor Colliery (dis)	SD8904925656	River Calder	SD8976726352	0.8								
271267301A	Drain Beck/Walton Hall La	SE 370 160	SE3624316294	Oakenshaw Beck	SE3543118343	3.4								
271218801A	Ramsden Clough	Ramsden Wood	SD9285521347	Walsden Water	SD9340021500	0.6		b	10.2233	B	A	4951955		
271218701B	Midgelden Brook	Banks	SD9018623433	Walsden Water	SD9208423291	2.4		d	10.0212			4951775	*	
271218701A	Midgelden Brook	Banks	SD9208423291	Walsden Water	SD9304423121	1	e	d	10.0212			4951775		
271218603A	Walsden Water	Calderbrook Moor	SD9451019561	Ramsden Clough	SD9334621489	2.6	f	d	10.2468	B	B	4953165		
271218602A	Walsden Water	Ramsden Clough	SD9334621489	Midgelden Brook	SD9304423121	1.6		d	10.2468		C	4953165	*	
271218601A	Walsden Water	Midgelden Brook	SD9304423121	River Calder	SD9367424297	1.6		d	10.2468		C	4953165	*	
271218501B	Lumbutts Clough	Langfield Edge	SD9570022100	Cascade	SD9595422337	2.2								
271218501A	Lumbutts Clough	Cascade	SD9510024200	River Calder	SD9486724392	0.2								
271218401A	Colden Water	Noah Dale Dam	SD9253828992	River Calder	SD9849227247	8		b	10.0396	A	B	4950485		
271218301A	Widdop Beck	Widdop Reservoir Embankme	SD9364832841	Hebden Water	SD9593431469	3.2		b	10.0439		A	4951240	*	
271218201A	Grimworth Dean Beck	Lane Head	SD9949132474	Hebden Water	SD9882129130	3.7								
271218103A	Hebden Water	Watshaw Dean Reservoir Em	SD9663034896	Widdop Beck	SD9590031500	1.6			10.0439		A	4951240	*	
271218102A	Hebden Water	Widdop Beck	SD9593431469	Crimsworth Dean Beck	SD9882129130	4		b	10.0439		A	4951240	*	
271218101A	Hebden Water	Grimsworth Dean Beck	SD9882129130	River Calder	SD9906027161	2.4		b	10.0439	B	B	4951240		
271218001A	Withens Clough	Withens Clough Reservoir	SD9833323171	Cragg Brook	SE0000023200	2.4		b	10.2389	B	B	4950520		
271217902A	Cragg Brook/Turvin Clough	Saw Gill Hollow	SD9801320177	Withens Clough	SE0000023200	3.9		b	10.2389	B	B	4950520		
271217901A	Cragg Brook/Turvin Clough	Withens Clough	SE0000023200	River Calder	SE0120026000	3.5		b	10.2389	B	B	4950520		
271217801A	Luddenden Brook	Fly Flat Reservoir	SE0290031500	River Calder	SE0370025100	8.2		b	10.0474	B	C	4951670		
271217701C	Booth Dean Clough	Linsgreave Brink	SD9910015200	Small Clough	SD0060015900	2.1			10.0255		C	4952495	*	
271217701B	Booth Dean Clough	Linsgreave Brink	SE0096216015	River Ryburn	SE0167115955	2.2			10.0255		C	4952495	*	
271217701A	Booth Dean Clough	Boothwood Reservoir	SE0320016500	River Ryburn	SE0350018800	2.9			10.0255		C	4952495	*	
271217601A	Lumb Clough	Flints Reservoir	SE0147021437	River Ryburn	SE0446221284	3.2								
271217503B	River Ryburn	Bailings Dam	SE0006218507	Ryburndale Mill	SE0263718649	3.2		c	10.0255	B	B	4952495	*	
271217503A	River Ryburn	Ryburndale Mill	SE0263718649	Booth Dean Clough	SE0346118822	1	d	c	10.0255	B	B	4952495	*	
271217502B	River Ryburn	Booth Dean Clough	SE0346118822	Lumb Clough	SE0450020500	2.5	c	c	10.0255	C	C	4952495	*	
271217502A	River Ryburn	Booth Dean Clough	SE0450020500	Lumb Clough	SE0446221284	0.6	d	e	10.0253	D	B	4952510	*	
271217501B	River Ryburn	Lumb Clough	SE0446221284	River Calder	SE0588723353	3	d	e	10.0253	B	B	4952510		
271217501A	River Ryburn	Lumb Clough	SE0588723353	River Calder	SE0592223458	0.2	d	e	10.0253	B	B	4952510		

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES														
RIVER CALDER TRIBUTARIES														
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE		
271217401A	Warley Clough	Cote Hill	SE0626524521	River Calder	SE0644623566	1.3								
271217301B	Ovenden Brook	The Rag	SE0870030600	Harper Bower	SE0830028000	3.1								
271217301A	Ovenden Brook	Harper Bower	SE0830028000	Hebble Brook	SE0876225853	2.3		d	10.2262		D	4951895		
271217202B	Hebble Brook/Ogden Clough	Nab Hill	SE0373932041	Wheatley	SE0603331249	11.4	d	d	10.0173	C	D	4951235		
271217202A	Hebble Brook/Ogden Clough	Wheatley	SE0776426352	Ovenden Brook	SE0876225853	1.3	d	d	10.0173		C	4951235	*	
271217201A	Hebble Brook/Ogden Clough	Ovenden Brook	SE0876225853	River Calder	SE0950022300	4.7	f	e	10.0172	E	D	4951237	*	
271217101A	Barkisland Clough	Barkisland	SE0552819917	Black Brook	SE0650319723	0.9								
271217001B	Holywell Brook	Outlane	SE0819517867	Station Ln	SE0920019700	2.7								
271217001A	Holywell Brook	Station Ln	SE0920019700	Black Brook	SE0910020700	1		d	10.0448		B	4951285		
271292001A	Barsey Clough	Barsey Green Sewage Works	SE0596720150	Black Brook	SE0662019898	0.8								
271216903B	Black Brook	Reservoir Feed	SE0439215617	Scammonden Res Embankment	SE0547516490	1.4	c	c	10.0040		C	4950100	*	
271216903A	Black Brook	Scammonden Res Embankment	SE0496416637	Barkisland Clough	SE0650319723	4	c	c	10.0040	E	B	4950100		
271216902B	Black Brook	Barkisland Clough	SE0650319723	Barsey Clough	SE0670020100	0.4	c	c	10.0040	E	B	4950100		
271216902A	Black Brook	Barsey Clough	SE0670020100	Holywell Brook	SE0910020700	2.7	e	c	10.0041	C	B	4950090		
271216901A	Black Brook	Holywell Brook	SE0910020700	River Calder	SE10100214009	1.4	e	c	10.0041	C	B	4950090		
506600102B	Red Beck	Ing Head	SE1045429445	Shibden Head	SE0990028600	3.1								
506600102A	Red Beck	Shibden Head	SE0990028600	Sunny Bank Clough	SE1220024700	3		d	10.2463		E	4952810	*	
506600101A	Red Beck	Sunny Bank Clough	SE1220024700	Calder and Hebble Canal	SE1372123105	2.4		e	10.0505	C	C	4951970		
500190101A	Lee Lane Beck	Lee Lane Sewage Works	SE0950027300	Red Beck	SE0980027500	0.4								
271216801A	Chum Hall Beck	Shelf	SE1250128565	Clifton Beck	SE1455125503	3.5		c	10.2455		D	4950470	*	
271216702A	Clifton Beck	Giles Hall	SE1158629696	Chum Hall Beck	SE1455125503	6.3		c	10.2455		D	4950470	*	
271216701A	Clifton Beck	Chum Hall Beck	SE1455125503	River Calder	SE1479922580	3.5		c	10.2455		D	4950470		
271214910A	River Colne	Haigh Reservoir Embankment	SE0125012919	Wessenden Brook	SE0480011700	3.8				B	A	4952370		
271214909B	River Colne	Wessenden Brook	SE0480011700	Lingards Woods	SE0606612750	1.2	f	e	10.2456	*	B	A	4952350	*
271214909A	River Colne	Lingards Wood	SE0606612750	Merrydale Clough	SE0786813907	3	f	e	10.2456	*	C	B	4952350	
271214908A	River Colne	Merrydale Clough	SE0786813907	Crimble Clough	SE0840014100	0.6	f	e	10.2286	*	C	A	4952390	
271214907A	River Colne	Crimble Clough	SE0840014100	Hoyle House Brook	SE0957114545	1.3	f	e	10.0079		B	4952430	*	
271214906A	River Colne	Hoyle House Brook	SE0957114545	Longwood Beck	SE1167015933	2.7		e	10.0079		B	4952430	*	
271214905A	River Colne	Longwood Beck	SE1167015933	River Holme	SE1429215815	3.1		e	10.0079		C	B	4952430	*
271214904A	River Colne	River Holme	SE1429215815	Sir John Ramsden Canal	SE1500016200	1	f	f	10.2270	*	C	B	4952340	
271214903A	River Colne	Sir John Ramsden Canal	SE1500016200	Hebble Brook	SE1520717539	1.4	f	e	10.0082	*	D	C	4952400	
271214902A	River Colne	Hebble Brook	SE1520717539	Fenay Beck	SE1660618287	1.9	f	e	10.0082	*	D	C	4952400	
271214901C	River Colne	Fenay Beck	SE1660018300	Bradley Brook	SE1680018800	0.8	f	e	10.0082	*	D	D	4952400	*
271214901B	River Colne	Bradley Brook	SE1680018800	Bradley Weir	SE1730019900	1.5	f	e	10.0083	*	D	D	4952320	
271214901A	River Colne	Bradley Weir	SE1730011900	River Calder	SE1780020400	0.6	e	e	10.0083		D	D	4952320	

* = CHANGE IN SAMPLE POINT

			GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES											
			RIVER CALDER TRIBUTARIES											
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE		
271216601A	Wessenden Brook	Butterley Reservoir Emban	SE0480010500	River Colne	SE0480011700	1.6		f	10.2265		C	4953190		
271216501A	Merrydale Clough	Cupwith Reservoir	SE0389913974	River Colne	SE0389913974	4.3								
271216401A	Crimble Brook	Pole Moor	SE0755315748	River Colne	SE0849814081	2.9		c	10.2267	F	C	4950530		
271216301B	Hoyle House Brook	Blackmoorfoot Rsvr Filte	SE0997613103	Manchester Rd	SE0962514489	1.5								*
271216301A	Hoyle House Brook	Manchester Rd	SE0962514489	River Colne	SE0957114545	0.1		c	10.2268		F	4951320		*
271216201B	Longwood Beck	Outlane	SE1068916654	Longwood	SE1080016600	3.1		d	10.2269		C	4951630		*
271216201A	Longwood Beck	Longwood	SE1080016600	River Colne	SE1167015933	1.1		d	10.2269		C	4951630		*
271215201B	Hebble Brook	Ainley Top	SE1170019300	Clayton Dyke	SE1420018000	3.5								
271215201A	Hebble Brook	Clayton Dyke	SE1420018000	River Colne	SE1520717539	1								
271215101B	Ox Field Beck	Lepton Edge	SE1912116916	Fenay Beck	SE1757617103	1.9								
271215101A	Ox Field Beck	Lepton Edge	SE1984916461	Fenay Beck	SE1750017100	2								
271215002B	Fenay Beck/Shepley Dike	Upper Cumberworth	SE2072308882	Woodsome Rd	SE1845814916	9.6		c	10.2274		A	4950995		*
271215002A	Fenay Beck/Shepley Dike	Woodsome Rd	SE1845814916	Ox Field Beck	SE1757617103	2.6		c	10.2274		A	4950995		*
271215001A	Fenay Beck/Shepley Dike	Ox Field Beck	SE1757617103	River Colne	SE1660618287	1.4	e	c	10.2274		C	4950995		*
271215306A	River Holme/Ramsden Cloug	Twizle Head Moss	SE1070002700	Netherley Clough	SE1148605174	4.8								
271215305A	River Holme/Ramsden Cloug	Netherley Clough	SE1151506413	River Ribble	SE1420008100	3.1	c	e	10.2280		B	4952445		*
271215304A	River Holme/Ramsden Cloug	River Ribble	SE1420008100	New Mill Dike	SE1530010200	2.4		e	10.2280	B	C	4952445		
271215303B	River Holme/Ramsden Cloug	New Mill Dike	SE1530010200	Brook Motors	SE1480011300	1.3		e	10.2459		B	4952465		
271215303A	River Holme/Ramsden Cloug	Brook Motors	SE1480011300	Ludhill Dike	SE1420011900	1.1		e	10.2283	C	C	4952450		
271215302A	River Holme/Ramsden Cloug	Ludhill Dike	SE1420011900	Mag Brook	SE1400012600	0.6		e	10.2283	C	C	4952450		
271215301A	River Holme/Ramsden Cloug	Mag Brook	SE1400012600	River Colne	SE1430015800	5.1	f	e	10.0181	C	C	4952460		
271292201A	Folly Dolly Beck	Blackmoorfoot Reservoir F	SE1021312522	Meltham Dike	SE1085011225	1.6								
271292101A	Netherley Clough	Source	SE1004504220	Ramsden Clough	SE1118405084	1								
271215901A	River Ribble	Holmes Styes Reservoir	SE1392005630	River Holme	SE1420081000	3.4		c	10.2281		A	4952480		
271215801B	New Mill Dike	Source	SE1523705018	Jackson Bridge	SE1650007400	2.9								
271215801A	New Mill Dike	Jackson Bridge	SE1650007400	River Holme	SE1530010200	3.5		d	10.2391		A	4951840		
271215701A	Ludhill Dike	Lud Hill	SE1569312343	River Holme	SE1421011768	1.9								
271215601B	Meltham Dike	Deer Hill Moss	SE0664510587	Folly Dolly Beck	SE1085011225	1.9	e	b	10.0210		B	4951730		*
271215601A	Meltham Dike	Folly Dolly Beck	SE1085011225	Conf Meltham Dike/Thick	SE1110011300	3.1	e	b	10.0210		B	4951730		*
271215501B	Thick Hollins Dike	Magdalen Springs	SE088608164	Royd Edge Mill	SE1009909997	2.1								
271215501A	Thick Hollins Dike	Royd Edge Mill	SE1009909997	Conf Meltham Dike/Thick	SE1110011300	1.8	f	f	10.2466		A	4953040		
271215401C	Mag Brook/Hall Dike	Conf Meltham Dike/Thick H	SE1110011300	Hall Dyke at Meltham STW	SE1137111746	0.5		e	10.2460		A	4951180		
271215401B	Mag Brook/Hall Dike	Hall Dyke at Meltham STW	SE1137111746	Spring Wood	SE1301912238	2		e	10.2461	C	B	4951700		*

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER CALDER TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
271292301B	Low Moor Beck	Source	SE1482128287	Dean Beck	SE1521128052	0.4		f	10.0470		F	495T565	
271292301A	Low Moor Beck	Source	SE1521128052	Dean Beck	SE1706727879	1.5		f	10.0470	F	F	495T565	
271292401A	High Royds Beck	Toftshaw	SE1845429974	Hunsworth Beck	SE1763427835	2.3							
271214801B	Sugden Beck	Sugden Beck at Wyke Commo	SE1638227248	Sugden Beck at Elm Cottag	SE1670027157	0.7				D	C		*
271214801A	Sugden Beck	Sugden Beck at Elm Cottag	SE1670027157	Hunsworth Beck	SE1846526728	1.9				D	C		*
271214702D	Spen Beck/Dean Beck	Source	SE1669529523	Low Moor Beck	SE1706727879	1.5							
271214702C	Spen Beck/Dean Beck	Low Moor Beck	SE1706727879	High Royds Beck	SE1763427835	0.6		e	10.2352		F	495T470	*
271214702B	Spen Beck/Dean Beck	High Royds Beck	SE1763427835	Hunsworth Beck	SE1816627163	1		e	10.2352	E	F	495T470	
271214702A	Spen Beck/Dean Beck	Hunsworth Beck	SE1816627163	Sugden Beck	SE1846526728	0.3		e	10.2296	F	F	495T450	
271214701C	Spen Beck/Dean Beck	Sugden Beck	SE1846526728	Cleckheaton	SE1950025300	1.5	f	e	10.2296	* F	F	495T450	*
271214701B	Spen Beck/Dean Beck	Cleckheaton	SE1950025300	U/S Spenborough	SE2210022400	5	f	f	10.2465	* F	E	495T680	*
271214701A	Spen Beck/Dean Beck	U/S Spenborough	SE2210022400	River Calder	SE2311420341	3.3	f	e	10.0282	F	E	4952860	
271214601A	Lady Ann Beck	Woodkirk	SE2549524865	Batley Beck	SE2478423863	1.8							*
271214502A	Batley Beck	Gomersal	SE2117426689	Lady Ann Beck	SE2478423863	5		e	10.2464	F	E	4952850	
271214501A	Batley Beck	Lady Ann Beck	SE2478423863	River Calder	SE2469821496	2.7		e	10.0029	E	E	4950060	
271214401B	Chickenley Beck	Chickenley Beck	SE2652122159	Shawcross Clough	SE2586621003	1.6							*
271214401A	Chickenley Beck	Shaw Cross Colliery	SE2586621003	River Calder	SE2550119790	1.3			10.0392				*
271214301B	Howroyd Beck	Grange Moor	SE2151416353	Smithy Brook	SE2183517156	0.8							
271214301A	Howroyd Beck	Clock Royd	SE2183517156	Smithy Brook	SE2509717738	3.9							
271214201A	Coxley Beck	New Hall	SE2585015338	Smith Brook	SE2779517750	4					C		*
271292501A	Birkwood Beck	Grange Lane W.P.C.Works	SE2491916184	Smithy Brook	SE2484717560	1.6							
271214103C	Smithy Brook	Upper Dimpledale	SE2366517317	Sowood Lane	SE2383617490	1.3							
271214103B	Smithy Brook	Lower Dimpledale	SE2366417317	Carr Farm	SE2484717560	1.4							
271214103A	Smithy Brook	Birkwood Beck	SE2484717560	Howroyd Beck	SE2509717738	0.5				D			
271214102A	Smithy Brook	Howroyd Beck	SE2509717738	Coxley Beck	SE2779517750	3.1		b	10.0279	D	B	1951630	
271214101A	Smithy Brook	Coxley Beck	SE2779517750	River Calder	SE2793717958	0.2		b	10.0279	D	B	1951630	
271214001B	Blacker Beck/Bulcliff Be	calder drift Mine	SE2900014800	Confluence Bulcliff/Blac	SE2990016300	2.7							
271214001A	Blacker Beck/Bulcliff Be	Confluence Bulcliff/Blac	SE2990016300	River Calder	SE3090017300	1.5					C		*
271213901A	Lupset Beck	Horbury Junction	SE3091618263	River Calder	SE3203318660	1.1	f	d	10.0205	F	D	1950740	
271213801A	Seckar Dike	Seckar	SE3304013688	Dyke at Railway	SE3405914203	1.9							
271292801A	Kettlethorpe Beck	Crigglestone Colliery	SE3117115864	Oowler Beck	SE3296015969	1.3							
271292701A	Humley Hill Beck	Newmillerdam Colliery	SE3245716034	Oowler Beck	SE3299916232	0.3							
271292601A	Durkar Beck	Durkar Pumping Station	SE3320017800	River Calder	SE3305318574	2.4							

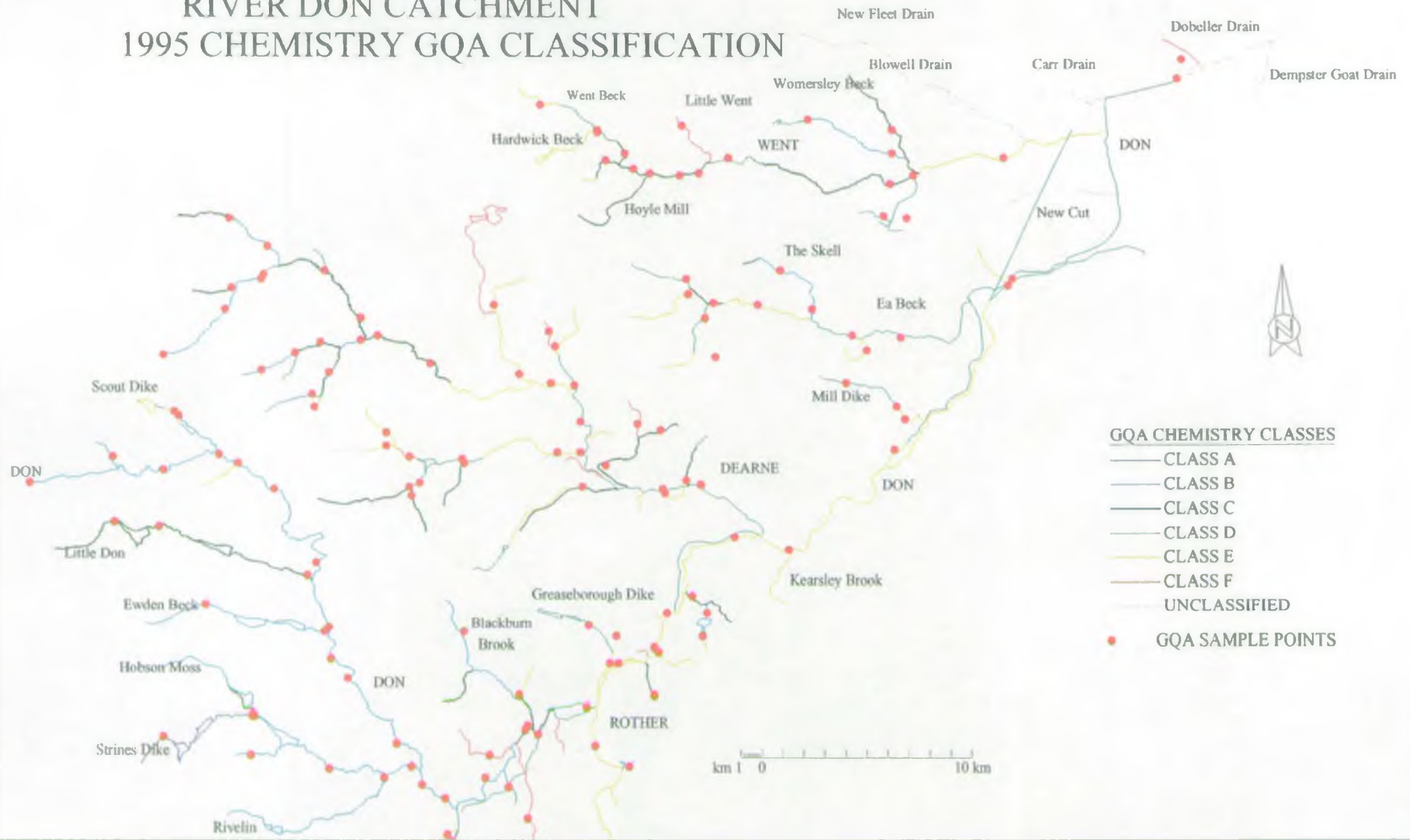
* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER CALDER TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
271213702A	Owler Beck/The Ings	Apple Haigh	SE3520212451	Seckar Dike	SE3405914203	2.6							
271213701C	Owler Beck/The Ings	Seckar Dike	SE3405914203	Humley Mill Beck	SE3360314849	2							*
271213701B	Owler Beck/The Ings	Humley Mill Beck	SE3296015968	Kettlethorpe Beck	SE3299916232	0.4							
271213701A	Owler Beck/The Ings	Kettlethorpe Beck	SE3299916232	River Calder	SE3324818916	2.6		c	10.0495	B	E	1950950	
271213601D	Balne Beck	Source	SE3009323099	Beck Bottom	SE3030123125	0.2	d	d	10.2392	*	B	1950110	
271213601C	Balne Beck	Beck Bottom	SE3030123125	Wrenthorpe	SE3178022050	1.9	d	d	10.2392	*	B	1950110	
271213601B	Balne Beck	Wrenthorpe	SE3178022050	Mill Chald	SE3216021341	0.7	d	d	10.2392	*	B	1950110	
271213601A	Balne Beck	Beck at Mill	SE3216021341	River Chald	SE3244520361	0.9	d	d	10.2392	*	B	1950110	
271213502B	River Chald/Alverthorpe B	Jaw Hill Filter Station	SE2904722749	Balne Beck	SE2858223185	0.4	d	d	10.2448	*	C	B	1950580
271213502A	River Chald/Alverthorpe B	Jaw Hill Filter Station	SE2904722749	Balne Beck	SE3244520381	5.6	d	d	10.2448	*	C	B	1950580
271213501A	River Chald/Alverthorpe B	Balne Beck	SE3244520381	River Calder	SE3356920081	1.4	e	d	10.0069		D	D	1951210
271267301A	Drain Beck/Walton Hall La	SE 370 160	SE3624316294	Oakenshaw Beck	SE3543118343	3.4							
271213401B	Oakenshaw Beck	Crofton Sewage Works	SE3635018460	Drain Beck	SE3543118343	0.7		e	10.2462	F	F	1950890	*
271213401A	Oakenshaw Beck	Drain Beck	SE3543118343	River Calder	SE3484120015	2.7		e	10.2462	F	F	1950890	
271213301A	Newmarket Beck	Newmarket Colliery	SE3639025416	River Calder	SE3700024900	0.8							
271213201A	Carr Beck	Glasshoughton	SE4286524001	Choke Churl Beck	SE3959624672	4.5		e	10.0066	E	E	1950300	
271213102A	Choke Churl Beck/Sewerbr	Ackton Hall	SE4235221271	Carr Beck	SE3959624672	6.3		f	10.2454		F	1950345	
271213101A	Choke Churl Beck/Sewerbr	Carr Beck	SE3959624672	River Calder	SE3956124857	0.2		f	10.2454	F	F	1950345	

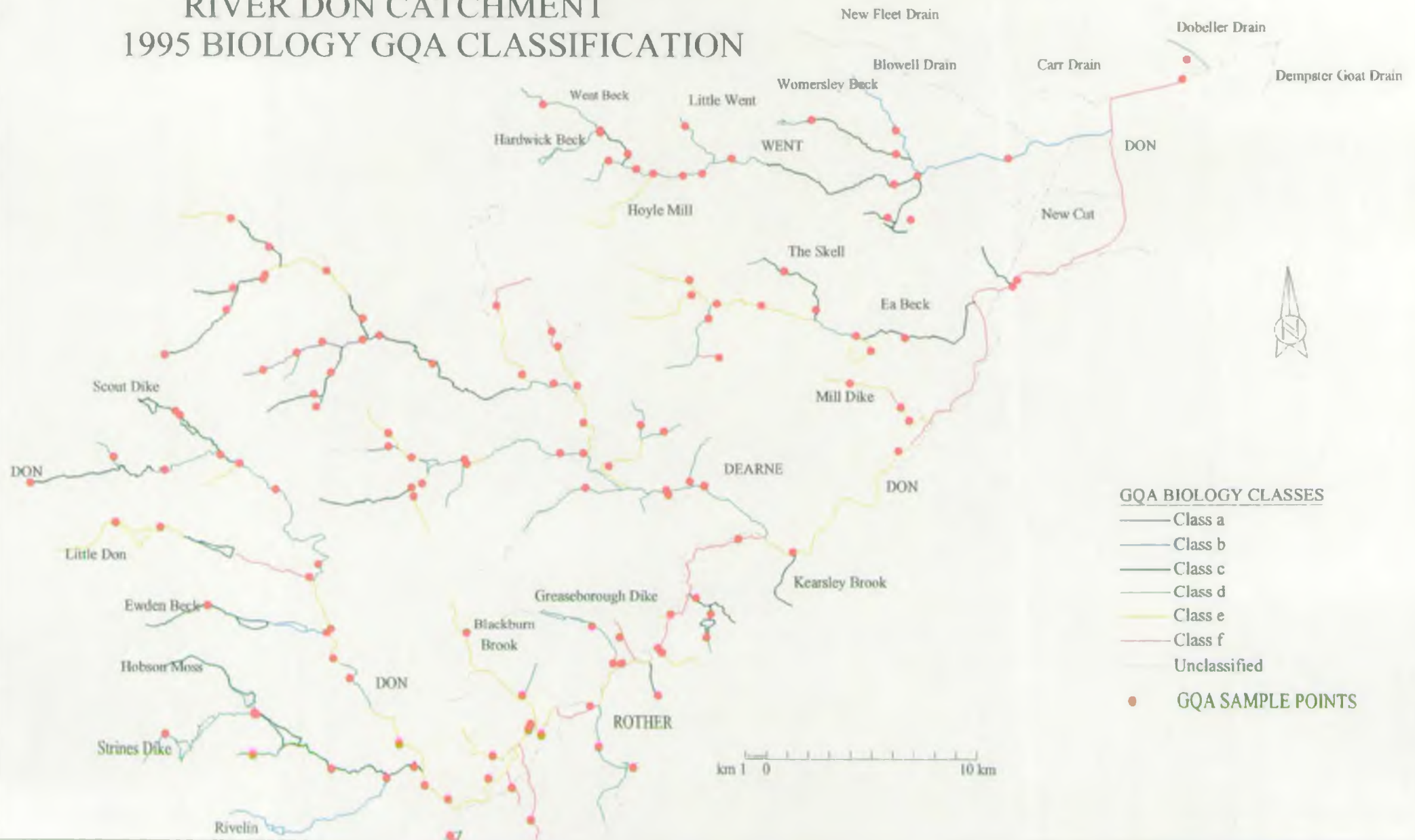
* = CHANGE IN SAMPLE POINT

DON

RIVER DON CATCHMENT 1995 CHEMISTRY GQA CLASSIFICATION



RIVER DON CATCHMENT 1995 BIOLOGY GQA CLASSIFICATION



GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER DON													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
271200539A	River Don	Winscar Reservoir	SE1589702392	Crow Edge Beck (Sledbrook	SE1998603078	7.1	c	c	10.0118	B	B	3933250	
271200538B	River Don	Bullhouse Minewater	SE1998603078	Bullhouse Minewater	SE2159602948	2.3	c	c	10.0118	B	B	3933250	
271200538A	River Don	Split	SE2159602948	Scout Dyke	SE2469203828	4	d	d	10.2324	B	B	3933420	
271200537A	River Don	Scout Dyke	SE2469203828	Cubley Brook	SE2553703338	1.3	e	c	10.2328	* B	B	3933490	
271200536B	River Don	Cubley Brook	SE2553703338	Cheesebottom STW	SK2806301059	3.7		d	10.2325	B	B	3933400	*
271200536A	River Don	Cheesebottom STW	SK2806301059	Little Don River	SK2913197909	8	d	d	10.0117	* B	B	3933220	
271200535A	River Don	Little Don River	SK2913197909	Ewden Beck	SK2993595510	2.9	e	e	10.0124	* B	B	3933540	
271200534C	River Don	Ewden Beck	SK3034094069	Jamont	SK2993595510	1.9	e	e	10.2005	* C	B	3933550	
271200534B	River Don	Jamont	SK3034094069	Beeley Wood	SK3170092100	3.2	e	d	10.0116	* C	B	3933390	*
271200534A	River Don	Beeley Wood	SK3170092100	River Loxley	SK3420789383	4.8	e	e	10.2471	* D	B	3933300	*
271200533A	River Don	River Loxley	SK3420789383	River Sheaf	SK3594187793	2.9	e	e	10.0114	* C	B	3933360	
271200532A	River Don	River Sheaf	SK3594187793	Kirk Bridge Dike	SK3816489434	3.2	e	e	10.2473	* D	B	3933370	
271200531A	River Don	Kirk Bridge Dike	SK3816489434	Bagley Brook	SK3855490413	1.8	e	e	10.2473	* D	B	3933370	
271200530A	River Don	Bagley Brook	SK3855490413	Car Brook	SK3872090604	0.2	e	e	10.2473	* D	B	3933370	*
271200529A	River Don	Car Brook	SK3872090604	Blackburn Brook	SK3957591203	1	e	e	10.2472	* D	C	3933335	
271200528A	River Don	Blackburn Brook	SK3957591203	Sheffield & S. Yorkshire Canal	SK4006491412	1.8	e	e	10.2099	* D	C	3933270	
271200527A	River Don	Sheffield & S. Yorkshire Canal	SK4006491412	Sheffield & S. Yorkshire Canal	SK4030091997	0.8	e	e	10.2099	* D	C	3933270	
271200526B	River Don	Sheffield & S. Yorkshire Canal	SK4052192115	Blackburn Meadows	SK4030091997	0.2	e	e	10.2099	* D	C	3933270	
271200526A	River Don	Blackburn Meadows	SK4052192115	Chapel Flat Dyke	SK4076491679	0.6	f	f	10.2015	* F	D	3933200	
271200525A	River Don	Chapel Flat Dyke	SK4076491679	Sheffield & S. Yorkshire Canal	SK4213892150	1.6	f	f	10.2015	* F	D	3933200	
271200524A	River Don	Sheffield & S. Yorkshire Canal	SK4213892150	River Rother	SK4252092226	0.3	f	f	10.2015	* F	D	3933200	

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER DON													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
271200523A	River Don	River Rother	SK4252092226	Sheffield & S. Yorkshire Canal	SK4266892766	0.6	f	e	10.2100	*	F	E	3933255
271200522A	River Don	Sheffield & S. Yorkshire Canal	SK4266892766	Greasbrough Dike	SK4341493879	2.3	f	e	10.2100	*	F	E	3933255
271200521A	River Don	Greasbrough Dike	SK4341493879	Old Sough	SK4424194210	0.2	f	e	10.2100	*	F	E	3933255
271200520A	River Don	Old Sough	SK4424194210	Sheffield & S. Yorkshire Canal	SK4443894185	0.3	f	e	10.2100	*	F	E	3933255
271200519A	River Don	Sheffield & S. Yorkshire Canal	SK4443894185	Herringthorpe Beck	SK4488494146	0.5	f	e	10.2100	*	F	E	3933255
271200518A	River Don	Herringthorpe Beck	SK4488494146	Blackwater Dyke	SK4502494413	0.2	f	e	10.2100	*	F	E	3933255
271200517A	River Don	Blackwater Dyke	SK4502494413	Dalton Brook	SK4532394617	0.5	f	f	10.2098	*	F	E	3933180
271200516A	River Don	Dalton Brook	SK4532394617	Roundwood Brook	SK4603996302	2.7	f	f	10.2098	*	F	E	3933180
271200515A	River Don	Roundwood Brook	SK4603996302	Sheffield & S. Yorkshire Canal	SK4629496468	0.5	f	f	10.2112	*	F	E	3933340
271200514A	River Don	Sheffield & S. Yorkshire Canal	SK4629496468	Hooton Brook	SK4683097403	1.4	f	f	10.2112	*	F	E	3933340
271200513A	River Don	Hooton Brook	SK4683097403	Sheffield & S. Yorkshire Canal	SE5026900023	6.6	f	f	10.2112	*	F	E	3933340
271200512A	River Don	Sheffield & S. Yorkshire Canal	SE5026900023	River Deame	SK5036499953	0.5	f	f	10.2112	*	F	E	3933340
271200511A	River Don	River Deame	SK5036499953	Kearsley Brook	SK5175699310	1.9	f	e	10.2013	*	E	E	3933375
271200510A	River Don	Kearsley Brook	SK5175699310	River Dun Navigation	SE5630503156	7.9	f	e	10.2013	*	E	E	3933375
271200509B	River Don	River Dun Navigation	SE5630403126	Marsh Gate Weir	SK5760004300	1.6	f	e	10.2013	*	E	E	3933375
271200509A	River Don	Marsh Gate Weir	SK5760004300	Mill Dike	SE5815305224	1.3	f	f	10.2198	*	E	D	3933290
271200508A	River Don	Mill Dike	SE5815305224	Thorpe Marsh Drain	SE6032110748	7.7	f	f	10.2198	*	E	D	3933290
271200507A	River Don	Thorpe Marsh Drain	SE6032110748	Bramwith Drain	SE6210011575	2.4	f	f	10.2198	*	E	D	3933290
271200506A	River Don	Bramwith Drain	SE6210011575	Clay Dike	SE6728415703	8	f	f	10.2198	*	E	D	3933290
271200505A	River Don	Clay Dike	SE6728415703	River Went	SE6679218756	3.2		f	10.2198		E	D	3933290
271200504A	River Don	River Went	SE6679218756	Carr Drain	SE6673220149	1.3		f	10.2198		E	D	3933290
271200503B	River Don	Carr Drain	SE6673220149	Rawcliffe Bridge	SE7011921012	3.5		f	10.2104		E	D	1931230
271200503A	River Don	Rawcliffe Bridge	SE7011921012	Dobella Drain	SE7136821561	1.2	G		10.2104		E		1931230
271200502A	River Don	Dobella Drain	SE7136821561	Dempster Goat Drain	SE7456622821	3.9	G		10.2104		E		1931230
271200501A	River Don	Dempster Goat Drain	SE7456622821	River Ouse	SE7492922877	0.3	G		10.2104		E		1931230

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES														
RIVER DON TRIBUTARIES														
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*	
506700101A	Collier Brook	Warren Vale Tip at SK 444	SK4440097700	Sheffield & S Yorks Navig	SK4620097000	2.2		d	10.2347			3930828	*	
271292901A	Goosepool Drain/Mill Dike	Adwick Sewage Works	SE5435508669	Ea Beck	SE5500009089	1.2		e	10.2083	F	E	3931380		
271212201A	Crow Edge Beck (Sledbrook	Crow Edge	SE1891104263	River Don	SE1998603078	2.6	e	d	10.0277		B	3934930		
271212101C	Scout Dyke	Fox Hill	SE2170906038	River Don	SE2208805840	2.5		c	10.2475		B	3931930		
271212101B	Scout Dyke	Fox Hill	SE2095206140	River Don	SE2166405630	0.5		c	10.2476		E	3931920		
271212101A	Scout Dyke	Fox Hill	SE2284705051	River Don	SE2361704758	2.3	c	c	10.0261	B	B	3934510		
271212001A	Cubley Brook	The Green	SE2394402186	River Don	SE2553703338	1.3		e	10.2096	C	E	3930980		
271211901D	Little Don River	Hordron Bank	SK1700099337	Langsett	SK2159400328	7.4		e	10.2326	C	C	3933815	*	
271211901C	Little Don River	Langsett	SK2159400326	Underbank Reservoir	SK2354899675	2.3	d	c	10.0199	*	B	C	3933810	
271211901B	Little Don River	Underbank	SK2354899675	Minewater	SK2540099100	0.3				D	C	3933839	*	
271211901A	Little Don River	Minewater	SK2540099100	Little Don	SK2913197909	4	e	f	10.0198	D	C	3932110		
271211801B	Ewden Beck	Source	SK2872629552	Broomhead Reservoir	SK2692896126	6.8		c	10.0418		B	3931306	*	
271211801A	Ewden Beck	Washfold Flat	SK2692896126	River Don	SK2993595510	3.2	b	b	10.0148	B	B	3931310		
271211701B	Strines Dike	Strines Moor	SK2630991795	River Loxley	SK2440591553	7.1	e	d	10.0545		A	3935385	*	
271211701A	Strines Dike	Strines Moor	SK2630991795	River Loxley	SK2644891763	0.2		c	10.2330		B	3931070	*	
271211601A	Ughill Brook	Ughill	SK2549790077	Dam Flask Reservoir	SK2748990331	2.6		a	10.0560	B	B	3935700		
271211501A	River Rivelin	Hollow Meadows	SK2717886998	River Loxley	SK2712786826	9.2	b	b	10.0245	*	B	B	3933890	
271211404B	River Loxley/Hobson Moss	Hobson Moss	SK2200293837	Agden Reservoir	SK2515293016	5.9		c	10.0473	*	B	3930015	*	
271211404A	River Loxley/Hobson Moss	Agden Reservoir	SK2589592138	Strines Dike	SK2475189760	0.5		d	10.2394	*	C	3930020	*	
271211403B	River Loxley/Hobson Moss	Strines Dike	SK2475189760	Split	SK2589592138	0.2		c	10.2129	*	B	3933887	*	
271211403A	River Loxley/Hobson Moss	Split	SK2589592138	Ughill Brook	SK2832390490	1.7		c	10.2129	*	B	3933887	*	
271211402B	River Loxley/Hobson Moss	Ughill Brook	SK2889190217	Split	SK2832340490	0.8		c	10.2129	*	B	3933887	*	
271211402A	River Loxley/Hobson Moss	Split	SK2889190217	River Rivelin	SK3257289250	4	d	c	10.2331	*	B	3933870		
271211401A	River Loxley/Hobson Moss	River Rivelin	SK3257289250	River Don	SK3420789383	2.3	c	c	10.0204	B	B	3933850		
271211301A	Graves Park Beck	Graves Park	SK3473082718	River Sheaf	SK3397583685	1.3		e	10.2119		D	3931420		
271211201A	Meers Brook	Lees Hall	SK3628984252	River Sheaf	SK3500684932	1.6		c	10.2130	D	D	3932180		
271211101C	River Porter	Fulwood	SK3046384998	Hunters bar	SK3320085800	3		b	10.2344		B	3932583	*	
271211101B	River Porter	Hunters bar	SK3320085800	Stalker Walk	SK3420086000	0.1		c	10.0242		B	3932550	*	
271211101A	River Porter	Stalker Walk	SK3420086000	River Sheaf	SK3601286796	3.2		d	10.2343	E	E	3932560		
271211004B	River Sheaf	Totley Rise	SK3179880287	CSO	SK3354583067	3.5	b	b	10.0270		A	3934315	*	
271211004A	River Sheaf	CSO	SK3354583067	Graves Park Brook	SK3397683685	0.5		c	10.2478		D	3934300	*	
271211003A	River Sheaf	Graves Park Beck	SK3397583685	Meers Brook	SK3500684932	1.9	d	c	10.2478	*	C	C	3934300	
271211002A	River Sheaf	Meers Brook	SK3500684932	River Porter	SK3601286796	2.3	d	c	10.0269	C	C	3934308	*	
271211001A	River Sheaf	River Porter	SK3601286796	River Don	SK3594187793	1				E	D	3934320		

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER DON TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
271210901A	Kirkbridge Dyke	Staniforth Road	SK3871587977	River Don	SK3816489434	1.7	f		10.2124	D	D	3932020	
271210702A	Bagley Brook	Longley	SK3604391234	Duke of Norfolk's Culvert	SK3807689994	2.9	e		10.2089		F	3930112	
271210701A	Bagley Brook	Duke Of Norfolk's Culvert	SK3807689994	River Don	SK3855490413	0.8	e		10.2089		F	3930112	
271210601B	Car Brook	Woodthorpe	SK3860285306	Split	SK3903089680	5.6	f		10.2469	F	F	3930703	*
271210601A	Car Brook	Split	SK3903089680	River Don	SK3872090604	1	f		10.2469	F	F	3930703	*
271210501A	Sheffield Lane Dike	Parson Cross	SK3528892430	Blackburn Brook	SK3671593759	2.3					C	3934660	*
271210401A	Sickley Brook	Dropping Well	SK3961794096	Blackburn Brook	SK3887692608	1.6	d		10.2133		E	3934810	*
271210303A	Blackburn Brook	Chapelton	SK3544896985	Sheffield Lane Dike	SK3671593759	4	e		10.2091	D	B	3930430	
271210302B	Blackburn Brook	Sheffield Lane Dike	SK3671593759	Split	SK3789193291	1.2	e		10.2090		B	3930380	*
271210302A	Blackburn Brook	Split	SK3789193291	Sickley Brook	SK3887692608	1.5	e		10.2090	C	B	3930380	*
271210301A	Blackburn Brook	Sickley Brook	SK3887692608	River Don	SK3957591203	1.6	f	e	10.0043	C	C	3930370	
271210201B	Chapel Flat Dyke	Split	SK4068690814	River Don	SK4100390280	0.5				F	F		*
271210201A	Chapel Flat Dyke	Split	SK4076491679	River Don	SK4068690814	1				F	F		*
271206801C	Greasbrough Dike	Thorpe Colliery	SK3802096279	Split 1	SK3976196489	1.3						3935510	*
271206801B	Greasbrough Dike	Split 1	SK3976196489	Split 2	SK4060296184	5.1	d		10.0162		D	3931440	*
271206801A	Greasbrough Dike	Split 2	SK4334294574	River Don	SK4341493879	0.7	f		10.2348	E	E	3931430	
271206701A	Old Sough	New Stubbin Colliery	SK4424194210	River Don	SK4324696055	2.6	f		10.2175	D		3932380	*
271206601A	Herringthorpe Beck	East Herringthorpe	SK4528292741	River Don	SK4488494146	1.6	c		10.2166	F	C	3931650	
271206401A	Dalton Brook	Black Ing Mill	SK4725694057	River Don	SK4532394617	1.9	e		10.2160	D	E	3931080	
271206301A	Roundwood Brook	Rawmarsh Sewage Works	SK4530896341	River Don	SK4603996302	0.8	e		10.2192	F	E	3934450	
271206201B	Silverwood Brook	Silverwood Colliery	SK4779194617	Split	SK4764695240	0.8	d		10.2479		E	3934878	*
271206201A	Silverwood Brook	Split	SK4764695240	Hooton Brook	SK4772496079	1.8	c		10.2194		B	3934870	*
271206102A	Hooton Brook	Firsby	SK4893295933	Silverwood Brook	SK4770096817	2.6	c		10.2171	C	C	3931760	
271206101A	Hooton Brook	Silverwood Brook	SK4770096817	River Don	SK4683097403	1.3	c		10.2171	C	C	3931760	
271203201B	Kearsley Brook	Clifton	SK5160096900	Split	SK5148598185	2.2	d		10.2378	C	E	3931955	*
271203201A	Kearsley Brook	Split	SK5148598185	River Don	SK5175699310	1	c		10.2012	C	E	3931950	
271202802D	Bentley Mill Stream	Brodsworth Colliery	SE5310007300	Rostholme Bridge	SE5620006600	3.2	e		10.2128		D	3932100	*
271202802C	Bentley Mill Stream	Rostholme Bridge	SE5620006600	Finkle Street	SE5670005900	0.9	f		10.2379		D	3930310	*
271202802B	Bentley Mill Stream	Finkle Street	SE5670005900	Split	SE5749205106	1.2	e		10.0371		E	3930320	*
271202802A	Bentley Mill Stream	Split	SE5749205106	Dry Stream	SE5788905461	0.4	e		10.0371		E	3930320	*
271202801A	Bentley Mill Stream	Dry Stream	SE5788905461	River Don	SE5815305224	0.6	e		10.0371	E	E	3930320	
271202701A	Hemsworth Dyke	Hemsworth Sewage Works	SE4426712511	Hamphole Dike	SE4697411382	3.5	e.		10.2381	E	D	3931478	
271202601A	Langthwaite Beck	Broad Lane	SE4403910103	Hamphole Dike	SE4697411382	3.4	e		10.2126		E	3932095	*

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER DON TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH	BIO	BIO	1995 BIO	* SPT Code	CHEM	CHEM	1995 CHEM
						km	1990	1995			1990	1995	
271202501A	Hooton Pagnell Beck	Hooton Pagnell Sewage Wor	SE4826808140	Frickley Beck	SE4716608335	1.3		f	10.2123				3931795 *
271202402B	Frickley Beck	Clayton Sewage Works	SE4564807695	Split	SE4705408149	1.6		d	10.2118		E		3931360 *
271202402A	Frickley Beck	Split	SE4705408149	Hooton Pagnell Beck	SE4716608335	0.3		d	10.2118		E		3931360 *
271202401A	Frickley Beck	Hooton Pagnell Beck	SE4716608335	Hampole Dike	SE4782810640	2.9		d	10.2118		D	D	3931360
271202301C	The Skell	Upton Sewage Works	SE4950512491	Split	SE5030412780	0.8		d	10.0551		C	C	3934340 *
271202301B	The Skell	Split 1	SE5030412780	Split 2	SE5145512141	1		c	10.2017	*	C	B	3934350
271202301A	The Skell	Split 2	SE5145512141	Ea Beck	SE5275809908	4.5		c	10.2017	*	C	B	3934350
271202203A	Thorpe Marsh Drain/Ea Bec	Conf.of Hemsworth Dyke/La	SE4697411382	Frickley Beck	SE4782810640	1.1		e	10.0410	*		C	3931285 *
271202202B	Thorpe Marsh Drain/Ea Bec	Frickley Beck	SE4782810640	Split	SE4856810669	0.5		e	10.0410	*		C	3931285
271202202A	Thorpe Marsh Drain/Ea Bec	Split	SE4856810669	The Skell	SE5275809908	6.3	e	e	10.0137	*	E	E	3931260
271202201B	Thorpe Marsh Drain/Ea Bec	The Skell	SE5275809908	Goosepool Drain	SE5500009089	2.7	e	d	10.2382	*		D	3931240
271202201A	Thorpe Marsh Drain/Ea Bec	Goosepool Drain	SE5500009089	River Don	SE6032110748	6.5	d	c	10.2474	*	E	D	3931270
271202101A	Bramwith Drain	Hawkhouse Green	SE6068113329	River Don	SE6210011575	3.2		c	10.2199		D	E	3930517
271202001A	Clay Dike	Hell Wicke	SE6207415235	River Don	SE6728415703	5.8							
271200901A	Carr Drain	The Carr	SE6344920503	River Don	SE6673220149	3.4							
271200801A	Croda Drain	Croda Works	SE7018421380	Dobeller Drain	SE7118721793	1							
271200702A	Dobeller Drain	Rawcliffe STW	SE6945522890	Croda Drain	SE7118721793	1.6		d	10.2310			F	1930380 *
271200701A	Dobeller Drain	Croda Drain	SE7118721793	River Don	SE7136821561	0.2		d	10.2310		F	E	1930380
271200601A	Dempster Goat Drain	Goole/Crowle Railway Line	SE7358920051	River Don	SE7456622821	4							

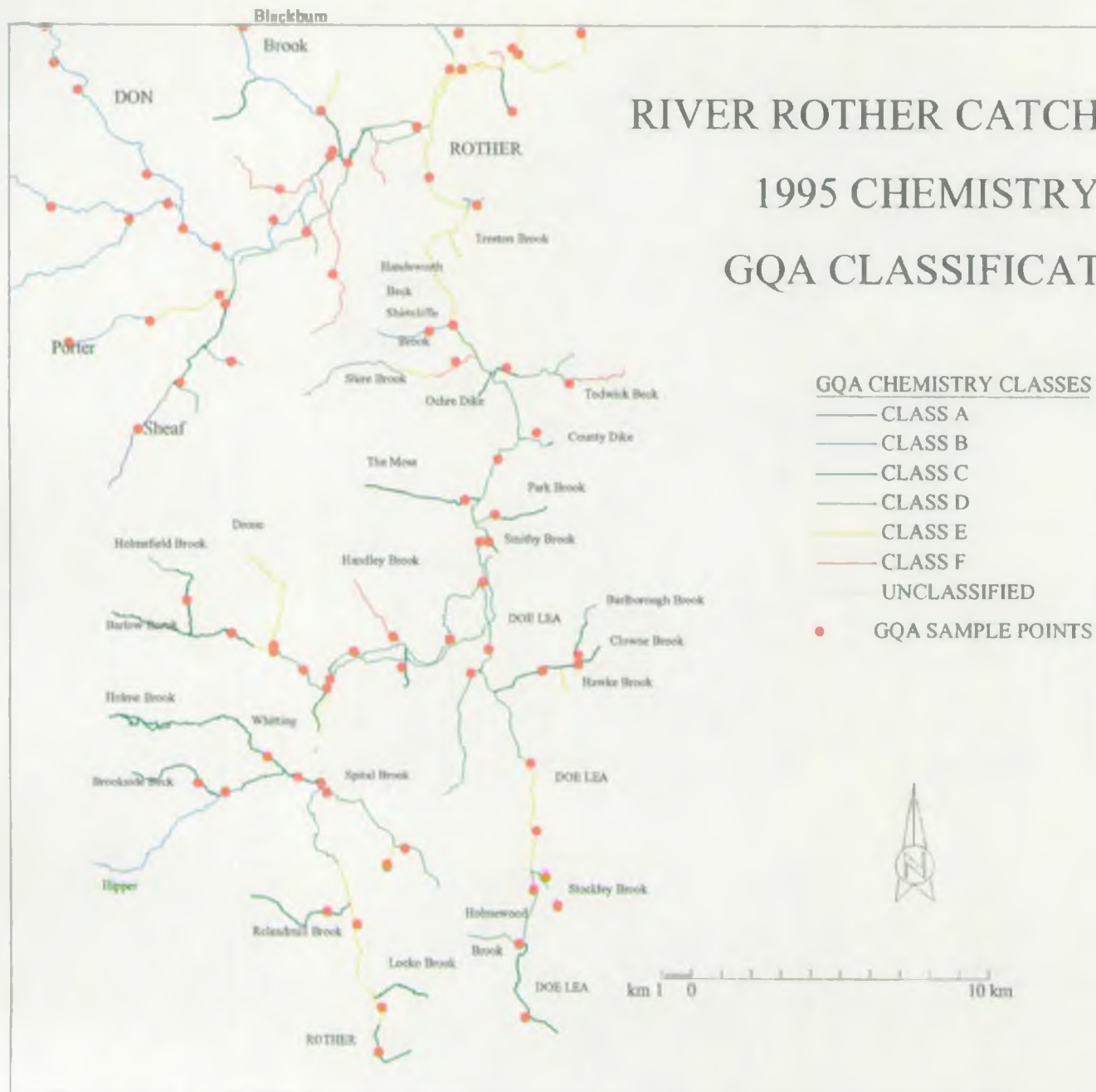
* = CHANGE IN SAMPLE POINT

ROTHER

RIVER ROTHER CATCHMENT

1995 CHEMISTRY

GQA CLASSIFICATION



BIOLOGY CLASSES



			GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES											
				RIVER ROTHER										
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*	
271206920B	River Rother	Pilsley	SK4183762258	Danesmoor STW	SK4080063030	2		d	10.0247	E	C	3933910		
271206920A	River Rother	Danesmoor STW	SK4080063030	Locko Brook	SK4062963930	1.2	d	e	10.2488	* E	E	3934100		
271206919A	River Rother	Locko Brook	SK4062963930	Redleadmill Brook	SK3987166859	3.9	d	e	10.2180	* E	E	3934250		
271206918C	River Rother	Redleadmill Brook	SK3987166859	Wingerworth	SK3947587989	1.5			10.0249	* E	E	3934070		
271206918B	River Rother	Wingerworth	SK3947587989	Birdholme Brook	SK3868168742	1.5	f	f	10.0249	*	D	3934230		
271206918A	River Rother	Birdholme Brook	SK3868168742	Spital Brook	SK3886970447	2.5	f	f	10.0249	*	D	3934230		
271206917A	River Rother	Spital Brook	SK3886970447	River Hipper	SK3887270689	0.3	f	d	10.2186	* E	D	3934150		
271206916A	River Rother	River Hipper	SK3887270689	Chesterfield Canal	SK3882372276	1.9	e	e	10.2189	*		3933940	*	
271206915A	River Rother	Chesterfield Canal	SK3882372276	River Whitting	SK3910273624	2.3	e	e	10.2189	* D	C	3933940		
271206914B	River Rother	River Whitting	SK3910273624	Old Whittington STW	SK3937274559	1	e	e	10.0252	* D	C	3934010		
271206914A	River Rother	Old Whittington STW	SK3937274559	Handley Brook	SK4144775100	2.2	e	e	10.2369	* F	D	3933970		
271206913A	River Rother	Handley Brook	SK4144775100	Trough Brook	SK4172675026	0.6	e	e	10.2369	* F	D	3933970		
271206912B	River Rother	Trough Brook	SK4172675026	Chesterfield Canal	SK4273974591	1.3	e	e	10.2369	* F	D	3933970		
271206912A	River Rother	Chesterfield Canal	SK4273974591	River Doe Lea	SK4427877175	4.5	e	d	10.2007	* F	D	3934030		
271206911A	River Rother	River Doe Lea	SK4427877175	Smithy Brook	SK4444578747	2.3	f	d	10.2006	* F	D	3934020		
271206910A	River Rother	Smithy Brook	SK4444578747	Park Brook	SK4399879122	0.6	f	d	10.0246	* F	D	3934000		
271206909A	River Rother	Park Brook	SK4399879122	The Moss	SK4392079958	1.3	f	d	10.0246	* F	D	3934000		
271206908A	River Rother	The Moss	SK4392079958	County Dyke	SK4555481911	3.9	f	d	10.0246	* F	D	3934000		
271206907A	River Rother	County Dyke	SK4555481911	Pigeon Bridge Brook	SK4468083984	3.2	f	d	10.2188	* E	D	3934080		
271206906B	River Rother	Pigeon Bridge Brook	SK4457884079	Ochre Dike	SK4414084505	0.1	f	d	10.2188	* E	D	3934080		
271206906A	River Rother	Ochre Dike	SK4468083984	Shire Brook	SK4457884079	0.7	f	d	10.2188	* E	D	3934080		
271206905A	River Rother	Shire Brook	SK4414084505	Shirtcliff Brook	SK4327885637	1.9	f	d	10.2188	* E	D	3934080		
271206904A	River Rother	Shirtcliff Brook	SK4327885637	Handsworth Beck	SK4275987284	1.3	f	d	10.0248	F	E	3933950		
271206903A	River Rother	Handsworth Beck	SK4275987284	Treeton Brook	SK4320188702	2.7	f	d	10.0248	F	E	3933950		
271206902A	River Rother	Treeton Brook	SK4320188702	Whiston Brook	SK4378189465	1.6	f	d	10.0248	F	E	3933950		
271206901A	River Rother	Whiston Brook	SK4378189465	River Don	SK4252092226	4.5	f	d	10.0248	F	E	3933950		

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES												
RIVER ROTHER TRIBUTARIES												
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE
271267601C	Ochre Dike	SK 425 822	SK4502594414	River Rother	SK4515394438	1.1						
271267601B	Ochre Dike	SK 425 822	SK4386583139	River Rother	SK4416083247	1.1						
271267601A	Ochre Dike	SK 425 822	SK4416083247	River Rother	SK4457884079	1.1				D	C	
271210101A	Locko Brook	Pilsley Colliery	SK4242563934	River Rother	SK4062963930	2.6				D	C	
271210001A	Redleadmill Brook	Stubbing Court	SK3655867092	River Rother	SK3987166859	4.5		b	10.2487		C	3932600
271209901A	Grassmoor Brook	Grassmoor Colliery	SK4098968007	Calow Brook	SK4133368574	0.6		d	10.2163	E	E	3931415
271209801A	Cock Alley Brook	Calow	SK4095370734	Calow Brook	SK4081869211	1.9						
271209703A	Spital/Calow/Muster Brook	Williamthorpe Colliery	SK4281667388	Grassmoor Brook	SK4133368574	2.6		c	10.2173	D	D	3932280
271209702A	Spital/Calow/Muster Brook	Grassmoor Brook	SK4133368574	Cock Alley Brook	SK4081869211	1	d	c	10.0283	D	D	3935090
271209701A	Spital/Calow/Muster Brook	Cock Alley Brook	SK4081869211	River Rother	SK3886970447	3.2	d	c	10.0283	D	D	3935090
271209601A	Brookside Beck	Wadshelf	SK3256270958	River Hipper	SK3551870187	4.8		b	10.2365	D	C	3930640
271209501C	Holme Brook/Linacre Beck	Moorhay Farm	SK3380072400	Linacre STW	SK3384272556	2.3		d	10.2168		C	3931710
271209501B	Holme Brook/Linacre Beck	Linacre STW	SK3530272695	West Bars	SK3739671310	5.7		d	10.2168		C	3931710
271209501A	Holme Brook/Linacre Beck	West Bars	SK3739671310	R Hipper	SK3763871053	0.5		d	10.2168	C	C	3931710
271209403A	River Hipper	Harewood Grange	SK3135167979	Brookside Beck	SK3551870187	6.1		a	10.2366		B	3933800
271209402B	River Hipper	Brookside Beck	SK3551870187	Split	SK3624570388	1		a	10.2366	D	B	3933800
271209402A	River Hipper	Split	SK3624570388	Holme Brook	SK3763871053	1.6	e	e	10.0175	D	C	3933790
271209401A	River Hipper	Holme Brook	SK3763871053	River Rother	SK3887270689	1.4	e	e	10.0175	D	C	3933790
271209301A	River Drone	Dronfield	SK3642978068	River Whitting	SK3726075001	4.2	f	e	10.0135	E	E	3933730
271209201B	Holmesfield Brook	Holmesfield	SK3313677978	Barlow Brook	SK3409377549	1		a	10.2169		D	3931745
271209201A	Holmesfield Brook	Holmesfield	SK3409377549	Barlow Brook	SK3455175516	2.9		a	10.2169		C	3931745
271209102A	Barlow Brook	Millthorpe	SK3192076177	Holmesfield Brook	SK3455175516	3.2		a	10.0026	C	C	3930215
271209101C	Barlow Brook	Holmesfield Brook	SK3455175516	Cobnar Wood	SK3555075555	1.5	b	a	10.0026	* C	C	3930215
271209101B	Barlow Brook	Cobnar Wood	SK3555075555	Sheepbridge	SK3665375079	1.7	b	a	10.0026	* C	C	3930215
271209101A	Barlow Brook	Sheepbridge	SK3665375079	River Whitting	SK3726075001	0.7	e	e	10.2368	* C	E	3930200
271209001A	River Whitting	Conf. River Drone & Barlow	SK3726075001	River Rother	SK3910273624	2.9	f	f	10.0349	D	D	3934380

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER ROTHER TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
271208901B	Handley Brook	West Handley	SK4338876756	Kelley's Tip	SK4002377242	1.6				F	E		
271208901A	Handley Brook	Kelley's Tip	SK4002377242	River Rother	SK4144775100	1	e	f	10.0168		F	3931500	
271208801B	Trough Brook	Ringwood Farm	SK4165573747	Canal	SK4172874707	1.6		f	10.0311	E	C	3935650	
271208801A	Trough Brook	Canal	SK4172874707	River Rother	SK4172675026	0.3	f	f	10.0311	E	C	3935650	
271208001A	Smithy Brook	Renishaw	SK4480378167	River Rother	SK4444578747	0.8	c	c	10.0280	C	C	3934980	
271207901B	Park Brook	High Moor	SK4642879683	Split	SK4490479275	1.9		d	10.2176	C	C	3932400	
271207901A	Park Brook	Split	SK4490479275	River Rother	SK4399879122	1				D	D	3932405	
271207801A	The Moss	Ford	SK4035680342	River Rother	SK4392079958	4.3	c	c	10.0301	E	C	3932220	
271207701C	County Dyke	Norwood	SK4600082200	Split 1	SK4647082050	0.3		e	10.2159	C	C	3930870	
271207701B	County Dyke	Split 1	SK4600082200	Split 2	SK4601882200	0.4		e	10.2159	F	D	3930870	
271207701A	County Dyke	Split 2	SK4601881847	River Rother	SK4555481911	0.6		e	10.2159	F	D	3930870	
271207601B	Todwick Beck	Todwick	SK4905484174	Split	SK4753383802	1.9		d	10.2491		F	3935585	
271207601A	Todwick Beck	Split	SK4753383802	Pigeon Bridge Brook	SK4667384045	1	d	d	10.2491	C	D	3935585	
271207502A	Pigeon Bridge Brook	Aston	SK4730384707	Todwick Beck	SK4667384045	0.8		e	10.0240		D	3932480	
271207501B	Pigeon Bridge Brook	Todwick Beck	SK4667384045	Split	SK4549083937	1.7		e	10.0240		D	3932480	
271207501A	Pigeon Bridge Brook	Split	SK4549083937	River Rother	SK4468083984	1	e	e	10.0240	F	C	3932480	
271207401C	Shire Brook	Gleadless	SK38348332	Handsworth	SK4151184080	3.2		d	10.2489		D	3934760	
271207401B	Shire Brook	Handsworth	SK4151184080	Beighton tip	SK4275083980	1.8		d	10.2489		E	3934760	
271207401A	Shire Brook	Beighton Tip	SK4275083980	River Rother	SK4414084505	2.2	f	e	10.0271		F	3934750	
271207301A	Shirtcliff Brook	Handsworth	SK4076785395	River Rother	SK4327885637	2.9		d	10.2193	F	B	3934770	
271207201B	Handsworth Beck	Handsworth Colliery	SK4276087285	Split	SK4170487106	1							
271207201A	Handsworth Beck	Split	SK4102386916	River Rother	SK4275987284	0.3							
271207101A	Treeton Brook	Treeton	SK4352487943	River Rother	SK4320188702	0.6				E	E		
271207001A	Whiston Brook	Whiston	SK4475089800	River Rother	SK4378189465	0.8		d	10.0348	B	B	3935800	

* = CHANGE IN SAMPLE POINT

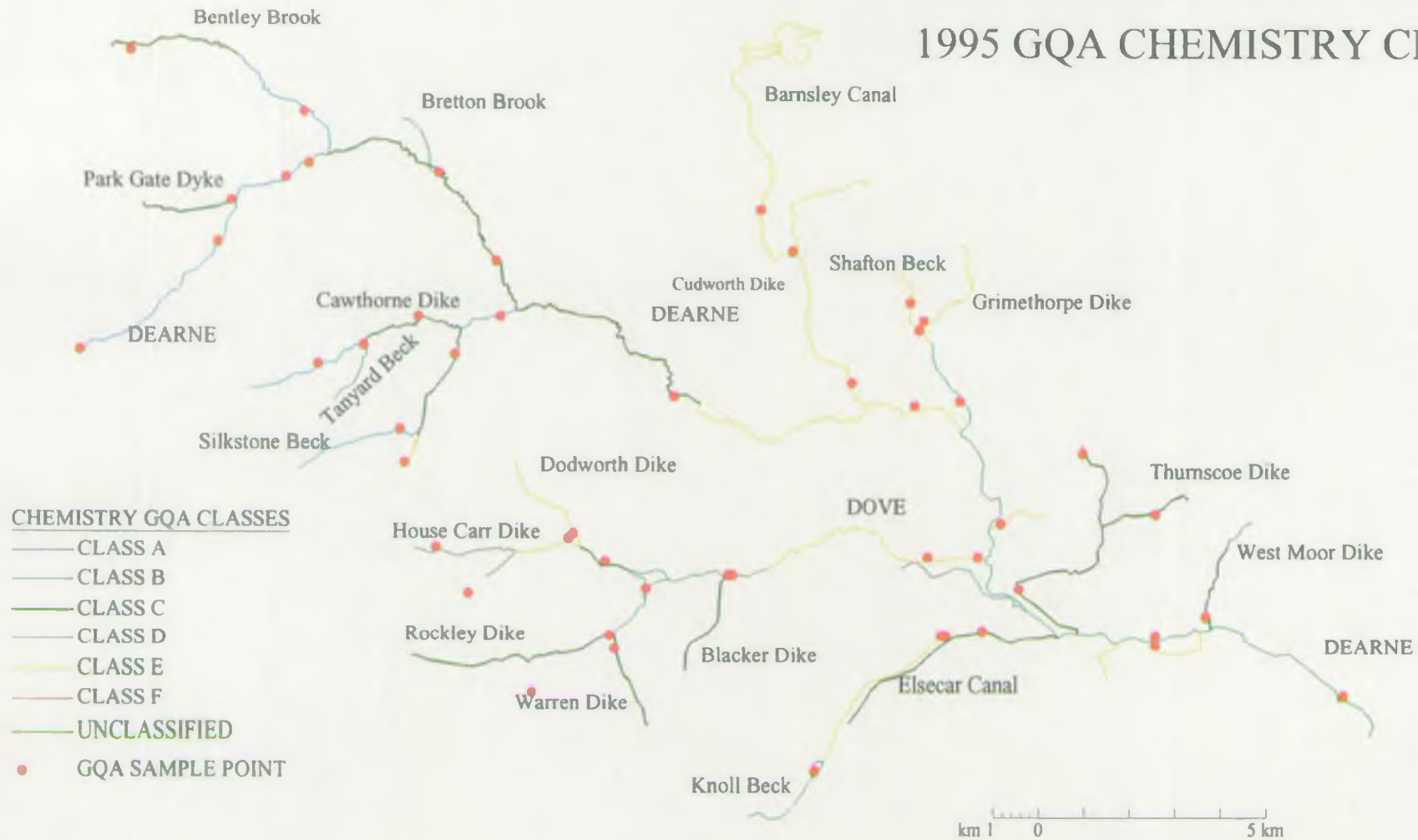
GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER DOE LEA TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
271208105A	River Doe Lea	Stanley	SK4677562841	Holmewood Brook	SK4560465634	4.3		a	10.2370	C	C	3933020	
271208104A	River Doe Lea	Holmewood Brook	SK4560465634	Stockley Brook	SK4588667910	2.6		d	10.2372		D	3932980	
271208103C	River Doe Lea	Stockley Brook	SK4588667910	Bolsover STW	SK4594970313	2.4	d	c	10.0113	E	E	3933000	*
271208103B	River Doe Lea	Bolsover STW	SK4595970313	Coalite	SK4567571458	3.7	d	d	10.2373	E	E	3933120	*
271208103A	River Doe Lea	Coalite	SK4567571458	Hawke Brook	SK4467973594	2.3				E	D	3933010	
271208102A	River Doe Lea	Hawke Brook	SK4467973594	Pools Brook	SK4418374327	1			10.0111	*	D	3933030	*
271208101B	River Doe Lea	Pools Brook	SK4418374327	Staveley STW	SK4438976594	2.9			10.0111		D	3933030	*
271208101A	River Doe Lea	Staveley STW	SK4438976594	River Rother	SK4427877175	0.5		d	10.2486	F	D	3933040	
271208701A	Holmewood Brook	Holmewood	SK4378965858	River Doe Lea	SK4560465634	2.3		c	10.2061	* D	D	3931750	
271208601B	Stockley Brook	Bramley Vale	SK4673366775	Fox Drain	SK4646867351	0.8		d	10.2490			3935270	
271208601A	Stockley Brook	Fox Drain	SK4646867351	River Doe Lea	SK4588667910	0.8		c	10.2196		D	3935260	
271208501B	Barlbrough Brook	Barlbrough	SK4812776480	Barlborough Common	SK4778575899	0.9		c	10.2367		D	3930157	*
271208501A	Barlbrough Brook	Barlborough Common	SK4778575899	Clowne Brook	SK4750274607	1.7		c	10.2367		C	3930157	*
271208402A	Clowne Brook	Clowne Common	SK4820375111	Barlbrough Brook	SK4750274607	1		c	10.2157		C	3930823	*
271208401A	Clowne Brook	Barlbrough Brook	SK4750274607	Hawke Brook	SK4690374410	0.6		c	10.2157		C	3930823	*
271208302A	Hawke Brook	Shuttlewood	SK4705573575	Clowne Brook	SK4690374410	1.3	e	d	10.0171		E	3930150	*
271208301A	Hawke Brook	Clowne Brook	SK4690374410	River Doe Lea	SK4467973594	2.6	e	d	10.0171	C	C	3930150	
271208201A	Pools Brook	Arkwright	SK4303470256	River Doe Lea	SK4418374327	4.8		d	10.2178	D	D	3932520	

* = CHANGE IN SAMPLE POINT

DEARNE

RIVER DEARNE CATCHMENT

1995 GQA CHEMISTRY CLASSES



RIVER DEARNE CATCHMENT 1995 GQA BIOLOGY CLASSES



GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER DEARNE													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH	BIO	BIO	1995 BIO	CHEM	CHEM	1995 CHEM	*
						km	1990	1995	SPT Code	1990	1995	SPT CODE	
271203315B	River Deame	Denby Dale	SE2214608208	Hinchcliffe's	SE2234608389	2.1		b	10.2332	B	B	3932700	
271203315A	River Deame	Hinchcliffe's	SE2234608389	Park Gate Dyke	SE2549911339	6.6	d	c	10.0099	B	B	3932785	
271203314B	River Deame	Park Gate Dyke	SE2549911339	Clayton West STW	SE2685012086	1.5		c	10.2333	C	B	3932920	
271203314A	River Deame	Clayton West STW	SE2685012086	Bentley Brook	SE2750612363	1.1	e	e	10.0095	D	D	3932780	
271203313B	River Deame	Bentley Brook	SE2750612363	Bretton Lake Outlet	SE2908212611	1.6	e	e	10.0093		C	3932760	
271203313A	River Deame	Bretton Lake Outlet	SE2908212611	Bretton Brook	SE2993112075	1.3	e	e	10.0093		C	3932760	
271203312B	River Deame	Bretton Brook	SE2993112075	Wooley Minewater	SE3069311116	1.2	e	e	10.0093		C	3932760	
271203312A	River Deame	Wooley Minewater	SE3069311116	Cawthorne Dyke	SE3162609025	3.3	c	c	10.0097	D	C	3932730	
271203311D	River Deame	Cawthorne Dyke	SE3162609025	New Lodge	SE3397908458	2		c	10.2336	C	C	3932940	
271203311C	River Deame	New Lodge	SE3397908458	Old Mill	SE3567307028	3	e	c	10.2483	E	C	3932830	
271203311B	River Deame	Old Mill	SE3567307028	Lundwood STW	SE3850706768	5.5		c	10.2483	D	E	3932830	*
271203311A	River Deame	Lundwood STW	SE3850706768	Cudworth Dyke	SE3934807043	1.2		d	10.0096	D	E	3932840	*
271203310A	River Deame	Cudworth Dyke	SE3934807043	Grimethorpe Dyke	SE4147806495	2.7	e	d	10.0096	E	E	3932840	
271203309A	River Deame	Grimethorpe Dyke	SE4147806495	Billingley Dyke	SE4204704414	4.2	e	e	10.2072	*	E	D	3932720
271203308A	River Deame	Billingley Dyke	SE4204704414	River Dove	SE4196903683	1.1	e	e	10.2072	*	E	D	3932720
271203307A	River Deame	River Dove	SE4196903683	Bulling Dyke	SE4290202607	1.9	e	d	10.2071	*	E	D	3932710
271203306A	River Deame	Bulling Dyke	SE4290202607	Knoll Beck	SE4356902073	0.8	e	d	10.2071	*	E	D	3932710
271203305A	River Deame	Knoll Beck	SE4356902073	Ings Dyke	SE4398302149	0.8	e	d	10.2071	*	E	D	3932710
271203304A	River Deame	Ings Dyke	SE4398302149	Brook Dyke	SE4491101970	1	e	d	10.2071	*	E	D	3932710
271203303A	River Deame	Brook Dyke	SE4491101970	Hound Hill Dyke	SE4667402205	2.9	e	d	10.2071	*	E	D	3932710
271203302A	River Deame	Hound Hill Dyke	SE4667402205	West Moor Dyke	SE4689602237	0.3	e	d			D	D	3932800
271203301A	River Deame	West Moor Dyke	SE4689602237	River Don	SK5036499953	5.8	e	d			D	D	3932800

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADE													
RIVER DEARNE TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
271206001A	Park Gate Dike	Park Gate	SE2347511308	River Dearne	SE2549911339	2.1		c	10.2342	C	C	3932410	
271205901B	Bentley Brook	Flockton Moor	SE2277314657	Furnace Grange	SE2555114486	3		e	10.2335	D	C	3931325	*
271205901A	Bentley Brook	Furnace Grange	SE2555114486	River Dearne	SE2750612363	3.1	c	c	10.0034	B	B	3930290	
271205801B	Bretton Brook	West Bretton Sewage Works	SE2915613138	M1	SE2969312546	1.2					D		*
271205801A	Bretton Brook	M1	SE2969312546	River Dearne	SE2993112075	0.6					D		*
271205701A	Tanyard Beck	Tivy Dale	SE2764407111	Cawthorne Dyke	SE2830208308	1.6		d	10.2075	E	D	3935490	
271205601A	Banks Bottom Dyke	Guyder Bottom	SE2668405648	Silkstone Beck	SE2949506423	3.2		c	10.2063		B	3930245	
271205502B	Silkstone Beck	Silkstone	SE2928405863	Split	SE2950506343	1.4		d	10.2082		E	3934865	*
271205502A	Silkstone Beck	Split	SE2950506343	Banks Bottom Dyke	SE2949506423	0.2		d	10.2082	D	C	3934865	*
271205501A	Silkstone Beck	Banks Bottom Dyke	SE2949506423	Cawthorne Dyke	SE3042808625	3.2		c	10.2081	D	C	3934850	
271205403A	Cawthorne Dyke	Daking Brook	SE2579907368	Tanyard Beck	SE2830208308	3.5		a	10.2482	E	B	3931045	
271205402A	Cawthorne Dyke	Tanyard Beck	SE2830208308	Silkstone Beck	SE3042808625	2.6		a	10.2068	C	C	3930725	
271205401A	Cawthorne Dyke	Silkstone Beck	SE3042808625	River Dearne	SE3162609025	2.1	b	a	10.0068	C	B	3930720	
271205301B	Bamsley Canal (Disused)	Winterset Reservoir	SE3669514433	Split	SE3715312379	2.4					F	3930250	
271205301A	Bamsley Canal (Disused)	Split	SE3715312379	Cudworth Dyke	SE3778810239	3.1					F		*
271205202B	Cudworth Dyke	South Hiendley	SE3938811752	Pools Dyke	SE3770011320	2.7		f	10.2481	E	E	3930990	*
271205202A	Cudworth Dyke	Pools Dyke	SE3770011320	Bamsley Canal (disused)	SE3778810239	2.7		f	10.2481	F	E	3930990	*
271205201A	Cudworth Dyke	Bamsley Canal (disused)	SE3778810239	River Dearne	SE3934807043	2.6	f	e	10.2337	E	E	3931020	
271205101A	Shafon Beck	Grimethorpe Sewage Works	SE4009109856	Grimethorpe Dike	SE4055308659	1.8		f	10.2080	E	F	3934540	
271205002A	Grimethorpe Dike	Tom Bank Sewage Works	SE4141510453	Shafon Beck	SE4055308659	2.5				F	E	3931475	
271205001B	Grimethorpe Dike	Shafon Beck	SE4055308659	Coalite	SE4078008338	0.5		e	10.2001	F	E	3931476	
271205001A	Grimethorpe Dike	Coalite	SE4078008338	River Dearne	SE4147806495	2.3		e	10.2062	F	D	3931470	
271204901A	Billingley Dyke	Middlediff Sewage Works	SE4325004713	River Dearne	SE4204704414	1.1				F	E		*
271204801A	Bagger Wood Dyke	Hood Green	SE3099203355	House Carr Dyke	SE3161703902	0.8						3930082	*
271204702A	House Carr Dyke	Silkstone Common	SE2942803960	Bagger Wood Dyke	SE3161703902	1.9						3931825	*
271204701A	House Carr Dyke	Bagger Wood Dyke	SE3161703902	Dodworth Dyke	SE3304904004	1.6		a	10.2290		E	3935150	*
271204602A	Dodworth Dyke	Dodworth	SE3165205811	House Carr Dyke	SE3304904004	2.7		e	10.2288		E	3931198	*
271204601A	Dodworth Dyke	House Carr Dyke	SE3304904004	Worsbrough Reservoir Inle	SE3406603513	1.1		e	10.0409	E	F	3931200	
271204501A	Warren Dyke	Lower Pilley	SE3451900173	Rockley Dyke	SE3378402139	2.4		e	10.2291		C	3935765	

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES RIVER DEARNE TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	
271204402A	Rockley Dyke	Crane Moor	SE2937301637	Warren Dyke	SE3378402139	4.8		c	10.0510	F	C	3934387	
271204401A	Rockley Dyke	Warren Dyke	SE3378402139	Worsbrough Reservoir Inle	SE3447902769	1.3		e	10.2485	E	D	3934390	
271204301A	Blacker Dyke	Rockingham Colliery	SE3534801324	River Dove	SE3623003328	2.9	d	d	10.0044	D	C	3930470	
271204202A	River Dove	Worsbrough Reservoir Inle	SE3406603513	Blacker Dyke	SE3623003328	2.2	d	d	10.0131	E	D	3933680	
271204201B	River Dove	Blacker Dyke	SE3623003328	Wombwell STW	SE4095003780	1	d	e	10.0126	D	D	3933620	
271204201A	River Dove	Wombwell STW	SE3623003328	River Deame	SE4196903683	6.1	a	d	10.2318	D	E	3933815	*
271204101B	Bulling Dyke	Darfield Colliery	SE4008603524	Split	SE4112203462	1.5							
271204101A	Bulling Dyke	Split	SE4112203462	River Deame	SE4290202607	2.4				F	F		*
271204001B	Elsecar Canal (Disused)/E	Harley	SK3818299313	Knoll Beck	SK3839299491	1.9					D	3931600	*
271204001A	Elsecar Canal (Disused)/E	Harley	SK3839299491	Knoll Beck	SE4129802092	4.8				F	E	3931140	
271203902A	Knoll Beck	Elsecar Colliery	SE3893400203	Elsecar Canal (disused)	SE4129802092	3.2		d	10.0457	E	C	3932070	
271203901A	Knoll Beck	Elsecar Canal (disused)	SE4129802092	River Deame	SE4356902073	2.6		d	10.0457	E	C	3932050	
271203801A	Houghton Beck	Great Houghton Sewage Wor	SE4408606144	Carr Dyke	SE4452804452	2.2		d	10.2076		F	3931810	*
271203702A	Ings/Carr/Thurnscoe Dikes	Hickleton Main Colliery	SE4641205017	Houghton Beck	SE4452804452	2.6	d	d	10.0307	E	C	3935550	*
271203701A	Ings/Carr/Thurnscoe Dikes	Houghton Beck	SE4452804452	River Deame	SE4398302149	4	e	e	10.2341	E	C	3930710	*
271203601A	Brook Dyke	Wath Sewage Works	SE4465501118	River Deame	SE4491101970	1.8		d	10.2480	F	E	3930575	*
271203501A	Hound Hill Dyke	Hound Hill Bridge	SE4568701818	River Deame	SE4667402205	1.6				E	E		*
271203401B	West Moor Dyke	Hickleton	SE4780404521	Goldthorpe Pit	SE4727604027	0.8		d	10.2085	B	D	3935790	*
271203401A	West Moor Dyke	Goldthorpe Pit	SE4727604027	River Deame	SE4689602237	1.8		d	10.2085	C	C	3935790	

* = CHANGE IN SAMPLE POINT

WENT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES RIVER WENT AND TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
271201007B	River Went/Went Beck	New Sharlston	SE3889720695	Split	SE4080219263	3.8		d	10.2311	D	D	1931860	
271201007A	River Went/Went Beck	Split	SE4080219263	Hardwick Beck	SE4259218607	1		d	10.2386	E	E	1931290	
271201006B	River Went/Went Beck	Hardwick Beck	SE4259218607	Split	SE4356418143	1.3		c	10.2311	E	D	3934360	*
271201006A	River Went/Went Beck	Split	SE4356418143	Hessle Beck	SE4362617077	1.3		c	10.2311	C	C	3934360	*
271201005A	River Went/Went Beck	Hessle Beck	SE4362617077	Hoyle Mill Stream	SE4509816711	1.8	d	d	10.0329	C	C	1931300	
271201004C	River Went/Went Beck	Hoyle Mill Stream	SE4509816711	Split 1	SE4633516623	1.5		d	10.0567	*	C	3934375	
271201004B	River Went/Went Beck	Split 1	SE4633516623	Split 2	SE4745616778	0.8		d	10.0566	*	C	1931350	
271201004A	River Went/Went Beck	Split 2	SE4745616778	Little Went	SE4794117166	0.8		d	10.0566	*	C	1931350	
271201003B	River Went/Went Beck	Little Went	SE4794117166	Split	SE5043517167	3	d	d	10.0328	E	D	1931390	
271201003A	River Went/Went Beck	Split	SE5043517167	Great Common Drain	SE5764216581	9.6	d	c	10.0327	C	C	1931310	
271201002A	River Went/Went Beck	Great Common Drain	SE5764216581	Blowell Drain	SE5788916692	0.2	e	b	10.0326	D	E	3934370	*
271201001B	River Went/Went Beck	Blowell Drain	SE5788916692	New Fleet Drain North	SE6304118173	6.2	e	b	10.0326	D	E	3934370	*
271201001A	River Went/Went Beck	New Fleet Drain North	SE6304118173	River Don	SE6679218756	4.1	e	b	10.2004	D	E	1931360	
271267401A	New Fleet Drain North	SE 520 235	SE5207623463	River Went	SE6304118173	11.9							
271201901A	Hardwick Beck	Nostell Dam	SE4039717679	Went Beck	SE4039717679	3.9		d	10.2320		E	1930600	*
271201801B	Hessle Beck	Fitzwilliam Sewage Works	SE4186016408	Split	SE4256416470	0.6		d	10.2308	F	E	1930615	*
271201801A	Hessle Beck	Split	SE4256416470	Went Beck	SE4362617077	1.8		d	10.2308	B	C	1930615	
271201701A	Hoyle Mill Stream	Kinsley	SE4170614761	River Went	SE4509816711	5		e	10.2003	D	C	1930645	
271201601A	Little Went	Carleton STW	SE4635419303	River Went	SE4794117166	3.2		d	10.0201	F	F	1930725	
271201501A	Askern Common Drain	Askern Sewage Works	SE5712814029	Great Common Drain	SE5631814253	2		c	10.2088		D	1930100	*
271201401A	Swan Sike Drain	Norton Common	SE5505214850	Great Common Drain	SE5657714433	1.8		c	10.2134	E	D	3935445	
271201303A	Great Common Drain	Askern Colliery	SE5599814426	Swan Sike Drain	SE5631814253	1		c	10.2002		D	1930570	
271201302A	Great Common Drain	Swan Sike Drain	SE5631814253	Askern Common Drain	SE5657714433	1.3		c	10.2002	E	D	1930570	
271201301A	Great Common Drain	Askern Common Drain	SE5657714433	River Went	SE5764216581	1.7		c	10.2002	E	D	1930570	
271201201B	Lake Drain/Womersley Beck	Fishpond Wood	SE5092918966	Birdspring Wood	SE5233919103	1.4		d	10.2319	D	D	1931970	
271201201A	Lake Drain/Womersley Beck	Birdspring Wood	SE5233919103	Blowell Drain	SE5732217330	6		c	10.2385	B	B	1930680	
271201102A	Blowell Drain	Great Lawn Rein	SE5455621262	Lake Drain	SE5732217330	5.8		b	10.2132	C	C	1930170	
271201101A	Blowell Drain	Lake Drain	SE5732217330	River Went	SE5788916692	1		b	10.2132	C	C	1930170	

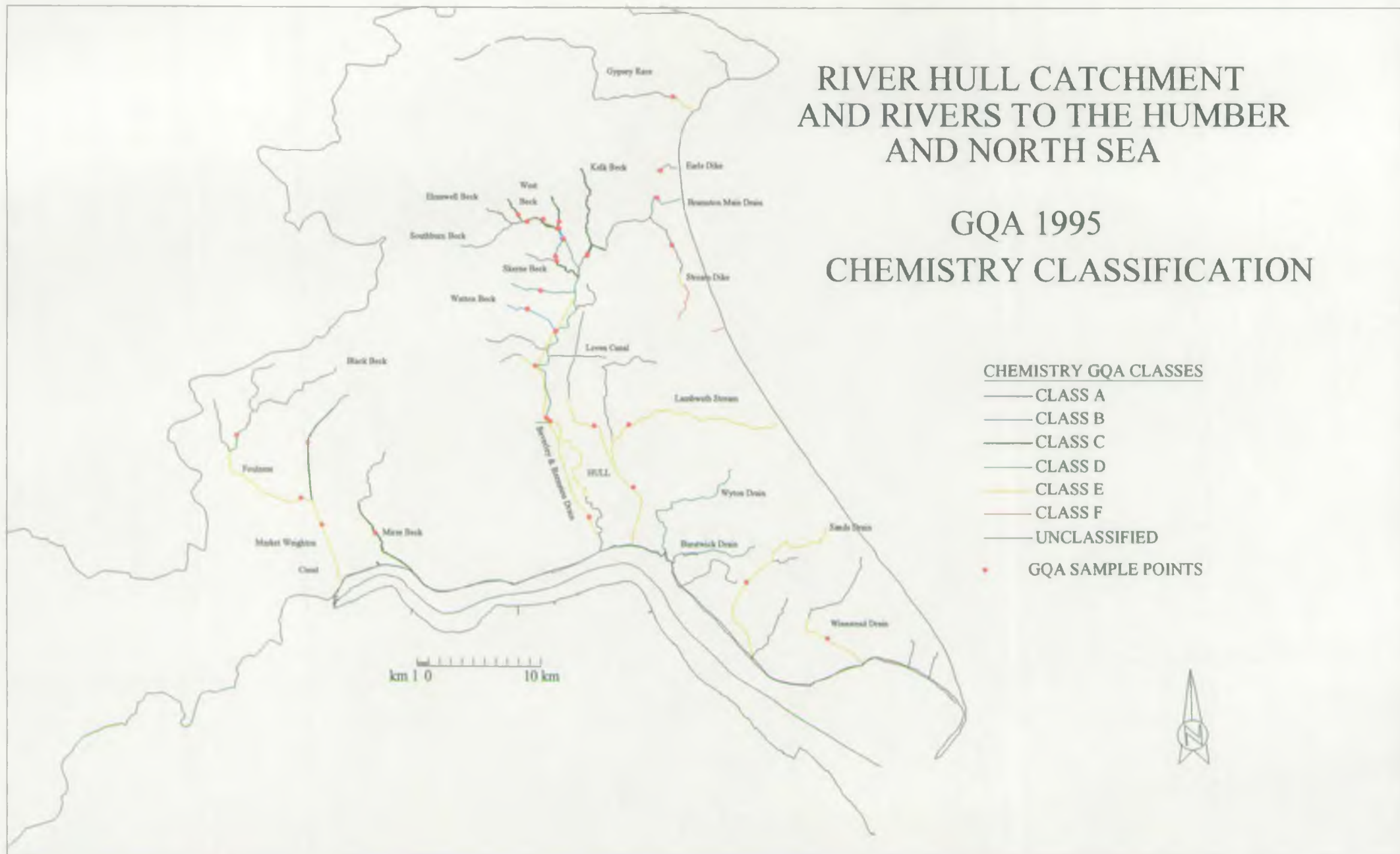
* = CHANGE IN SAMPLE POINT



HULL & HUMBER

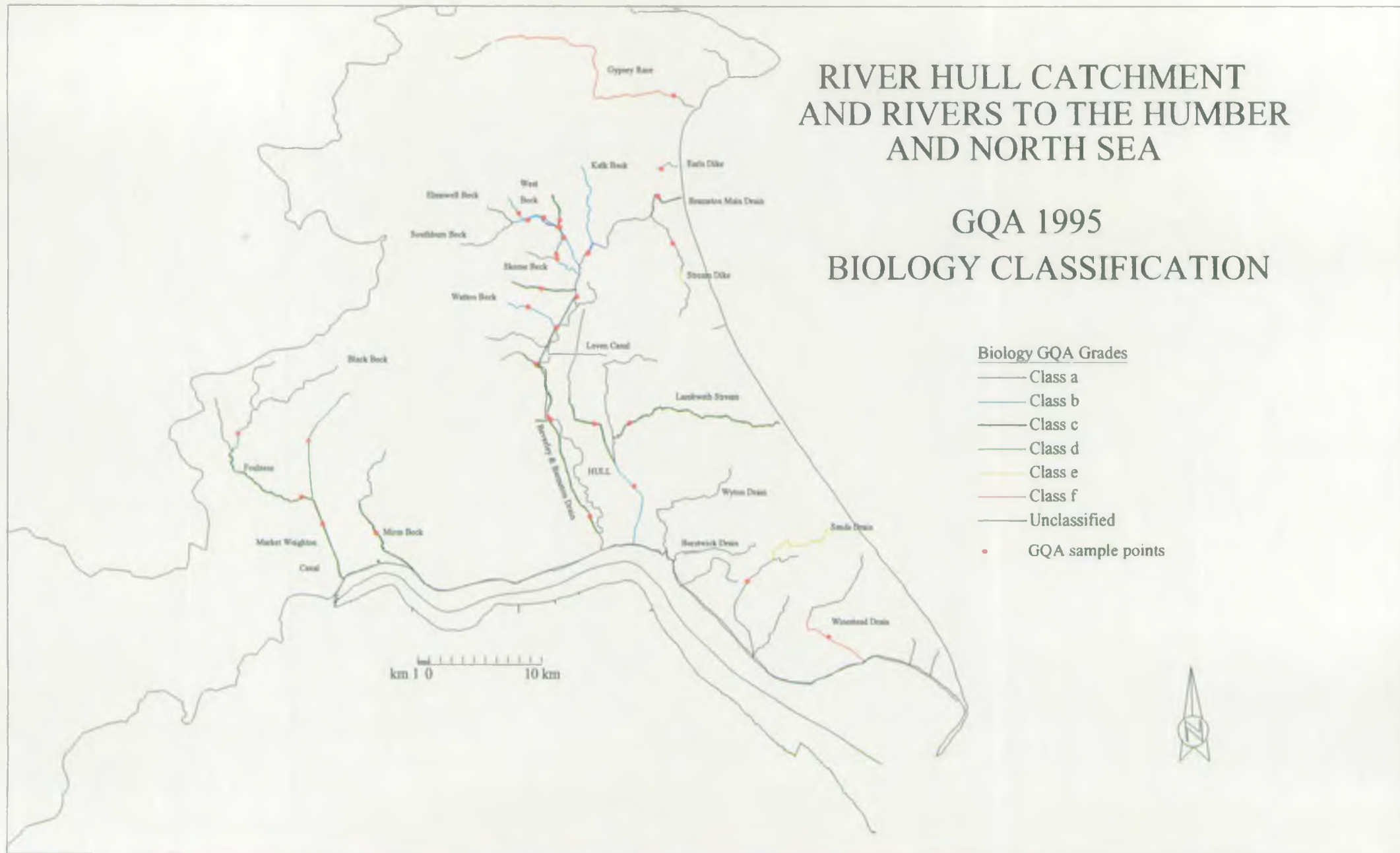
RIVER HULL CATCHMENT AND RIVERS TO THE HUMBER AND NORTH SEA

GQA 1995 CHEMISTRY CLASSIFICATION



RIVER HULL CATCHMENT AND RIVERS TO THE HUMBER AND NORTH SEA

GQA 1995 BIOLOGY CLASSIFICATION



GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER HULL													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
261300111D	River Hull/West Beck	Conf. Elmswell Beck/Southb	TA0231456466	Wansford Trout Farm	TA0514156524	3.9	b	b	10.0331	B	A	2921915	
261300111C	River Hull/West Beck	Wansford Trout Farm	TA0514156524	Wansford	TA0636856082	2	b	a	10.0334	B	C	2921910	
261300111B	River Hull/West Beck	Wansford	TA0636856082	Copper Hall	TA0657454717	1.5				C	B	2920850	
261300111A	River Hull/West Beck	Copper Hall	TA0657454717	Skeme Beck	TA0615453306	1.9	a	a	10.0330	* D	D	2921905	
261300110A	River Hull/West Beck	Skeme Beck	TA0615453306	Frodingham Beck	TA0820551784	3.5	a	b	10.2515	* E	C	2921911	
261300109A	River Hull/West Beck	Frodingham Beck	TA0820551784	Scurf Dike	TA0791050638	1	a	a	10.2508	* B	D	2921190	
261300108B	River Hull/West Beck	Scurf Dike	TA0791050638	Hempholme Lock	TA0794450040	1	a	a	10.2508	* B	D	2921190	
261300108A	River Hull/West Beck	Hempholme Lock	TA0790949874	Mickley Dike	TA0794450040	0.8			10.2508	* B	D	2921190	
261300107A	River Hull/West Beck	Mickley Dike	TA0797349117	Watton Beck	TA0634447283	3.2			10.2508	* B	D	2921190	
261300106A	River Hull/West Beck	Watton Beck	TA0634447283	Aike Beck	TA0548445574	2.6			10.2508	* B	D	2921190	
261300105A	River Hull/West Beck	Aike Beck	TA0548445574	Leven Canal	TA0557044919	0.8			10.2508	* B	D	2921190	
261300104A	River Hull/West Beck	Leven Canal	TA0557044919	Ella Dyke	TA0478443935	1.9			10.2508	* B	D	2921190	
261300103B	River Hull/West Beck	Ella Dyke	TA0478443935	Hull Bridge	TA0551441685	2.7			10.2508	* B	D	2921190	
261300103A	River Hull/West Beck	Hull Bridge	TA0551441685	Beverley Beck	TA0565639370	2.8	d	c	10.0187	D	D	2921180	
261300102B	River Hull/West Beck	Beverley Beck	TA0565639370	Sutton Road Bridge	TA0902332851	10.1				E	E	2921200	
261300102A	River Hull/West Beck	Sutton Road Bridge	TA0902332851	Beverley-Barnston Drain	TA0997029670	5.3	G			E		2921200	
261300101A	River Hull/West Beck	Beverley-Barnston Drain	TA0997029670	River Humber	TA1009128149	1.8	G			E		2921200	

* = CHANGE IN SAMPLE POINT

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADES													
RIVER HULL AND HUMBER TRIBUTARIES													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	* CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
261301701A	Elmswell Beck	Little Driffield	TA0011957846	West Beck	TA0231456466	3.9							
261301601A	Southburn Beck	Kirkburn	SE9782565050	West Beck	TA0161056100	5.8	c	b	10.2504	*	B	A	2920365
261301501A	Skeme Beck	Skeme Bridge	SE9778954578	West Beck	TA0231456466	3.2							
261301401A	Old Howe	Pitwherry Closes	TA1066654310	Frodingham Beck	TA0899353780	2.9	a	a	10.2511	*	C	C	2920760
261301301A	Kelk Beck	Harpham	TA0842161358	Frodingham Beck	TA0899353780	8.7	b	b	10.0158	*	B	C	2920390
261301201A	Nafferton Beck	Nafferton	TA0579458895	Driffield Canal	TA0641656113	2.9	d	c	10.0480		B	C	2920680
261301102C	Driffield Canal/Water For	Highfield	TA0193058676	Canal Head	TA0315756842	2	d	d	10.0132		A	C	2920305
261301102B	Driffield Canal/Water For	Canal Head	TA0315756842	Whinhill	TA0502256906	1.7		b	10.2503		E	E	2920325
261301102A	Driffield Canal/Water For	Whinhill	TA0502256906	Nafferton Beck	TA0641656113	2.1	c	b	10.2503		E	E	2920325
261301101B	Driffield Canal/Water For	Nafferton Beck	TA0641656113	The Grange	TA0684755511	0.6	c	b	10.0134	*	C	B	2920320
261301101A	Driffield Canal/Water For	The Grange	TA0684755511	Frodingham Beck	TA0820752726	3.6	c	b	10.0915	*		D	2920335
261301002A	Frodingham Beck	Confluence of Old Howe an	TA0899353780	Driffield Canal	TA0820752726	1.6							
261301001A	Frodingham Beck	Driffield Canal	TA0820752726	River Hull	TA0820551784	1.3							
261300901A	Scurf Dike	Swinefold	TA0223951314	River Hull	TA0791050638	5.8	c	c	10.2512	*		D	2921770 *
261300801A	Mickley Dike	North Frodingham Carrs	TA0897151292	River Hull	TA0797349117	4.5							
261300701A	Watton Beck	Marr Bottom Plantation	TA0185249454	River Hull	TA0634447283	7.7		b	10.0565		A	B	2921880
261300601B	Aike Beck/Bryan Mills Bec	Source	SE9998546481	Aike Beck	TA0270246659	5.8							
261300601A	Aike Beck/Bryan Mills Bec	Bryan Mills Beck	TA0270246659	River Hull	TA0548445574	3.2							
261300501A	Leven Canal	Little Leven	TA1065444919	River Hull	TA0557044919	4.8							
261300401B	Arram Beck	Leconfield	TA0126744427	Arram Beck	TA0313745085	2							
261300401A	Arram Beck	Ella Dyke	TA0126744426	River Hull	TA0478443935	2.5	d	c	10.2505	*	D	E	2920080
261300301A	Beverley Beck	Beverley	TA0440139294	River Hull	TA0565639370	1.3	e	c	10.0373		D	D	2920130
261300201B	Beverley and Barmston Dra	Hempholme Weir	TA0780044900	Beverley Beck	TA0565039350	10.3						E	2920115 *
261300201A	Beverley and Barmston Dra	Beverley Beck	TA0565039350	River Hull	TA0997029670	12.9	c	c	10.2500		E	E	2920120
261500401A	Black Beck/Balker Drain	Hentig Plantation	SE8130644333	River Foulness	SE7939840237	6.1							
261500301A	Foss Dike	Breckstreet Field	SE7594841119	River Foulness	SE7755136751	5.3							

* = CHANGE IN SAMPLE POINT

CANALS

GQA CLASSIFICATION - CHEMISTRY AND BIOLOGY GRADE													
CANALS													
REACH INDEX	RIVER NAME	REACH FROM	GRID REF	REACH TO	GRID REF	LENGTH km	BIO 1990	BIO 1995	1995 BIO SPT Code	CHEM 1990	CHEM 1995	1995 CHEM SPT CODE	*
507300101B	Chesterfield Canal	River Rother at Chesterfi	SK4461378021	Staveley Works	SK3934273914	2					D	3930754	*
507300101A	Chesterfield Canal	River Rother at Chesterfi	SK4461278021	Staveley Works	SK3882372276	4.4					E	3930758	*
506900101A	Sheffield and South Yorks	Sheffield	SK3615787621	River Don at Tinsley	SK4006491412	6.1					D	3934610	*
506790101C	Pocklington Canal	Hagbridge	SE7179445303	R Derwent	SE6981042605	3.8		b	10.0582	D	E	2960840	*
506790101B	Pocklington Canal	Melbourne	SE7611144375	Hagbridge	SE7179445303	4.2		a	10.0939		B	2960838	*
506790101A	Pocklington Canal	Canal Head at Pocklington	SE8000647381	Melbourne	SE7611144375	6.5		f	10.0358		C	2960837	*
506300101C	Huddersfield Narrow Canal	Standedge Tunnel	SE0198609541	Milnsbridge	SE1132415684	11.5					C	4951326	*
506300101B	Huddersfield Narrow Canal	Milnsbridge	SE1132415684	University	SE1486216087	3.8					C	4951326	*
506300101A	Huddersfield Narrow Canal	University	SE1486216087	Aspley	SE1500016500	0.8				B	D	4951328	*
502490101A	Ripon Canal	River Skell at Ripon	SE3163070933	River Ure at Oxclose Lock	SE3329667935	3.9							
502202002A	Huddersfield Broad Canal	Aspley Marina	SE1500016500	Millhouse Lane	SE1480016200	1.3				C	D	4951328	*
502202001A	Huddersfield Broad Canal	Millhouse Lane	SE1480017600	River Calder at Cooper Br	SE1770020600	4.8				C	D	4951328	*
502201006A	Calder & Hebble Navigation	Lowmill Lane	SE2180019800	Greenwood Lock	SE2230019700	0.6			10.2449		E	4952255	*
502201005A	Calder & Hebble Navigation	Newgate	SE2007519619	Shepley Bridge Lock	SE2160019800	1.6			10.0064		F	4952250	*
502201004A	Calder & Hebble Navigation	Batleyford Cut	SE1820920788	Batleyfordd Marina	SE1899420296	1			10.2453	D	C	4952180	*
502201003A	Calder & Hebble Navigation	Calder at SE 175 207	SE1746120752	Cooper Bridge Lock	SE1765520565	0.5			10.2453	D	C	4952180	*
502201002A	Calder & Hebble Navigation	Anchor Pit Lock	SE1585821775	Kirklees Cut Lock	SE1712921434	1.4			10.2453	D	C	4952180	*
502201001D	Calder & Hebble Navigation	Sowerby Bridge Marina	SE0660023700	Salterhebble	SE0960022500	3.4					E	4952605	*
502201001C	Calder & Hebble Navigation	Salterhebble	SE0960022500	Elland Bridge	SE1060021400	2.1				C	E	4952605	*
502201001B	Calder & Hebble Navigation	Elland Bridge	SE1060021400	Brookfoot	SE1479922580	3.8				C	E	4952605	*
502201001A	Calder & Hebble Navigation	Brook Foot	SE1755520492	Brighouse Basin	SE1493216136	1.5					E	4952605	*
502005102B	Leeds and Liverpool Canal	Rodley Boat Yard	SE2220036500	River Aire at Leeds	SE2970033000	11.1				B	C	4941550	
502005102A	Leeds and Liverpool Canal	Apperley Bridge	SE2220036500	Rodley Boat Yard	SE1950038000	3.4				B	C	4941520	
502005101A	Leeds and Liverpool Canal	Greenberfield Lock	SE1950038000	Apperley Bridge	SD8860046300	51				C	C	1940650	
502004101A	Leeds and Liverpool Canal	Foulridge Tunnel at W.A.B	SD8870042400	W.A.B/dary nr Cockshott B	SD8860046300	4.7				D	E	4941540	
501500201A	Rochdale Canal	Water Authority Boundary	SD9474719135	Sowerby Bridge (SD 066 23	SE0616923749	21.9					E	4952605	
501202401A	S & SY Navigation (New Ju	Bramwith Junction	SE6123710779	Aire and Calder Navigatio	SE6514318715	8.8				E	D	3912320	
501202301A	Sheffield and South Yorks	Bramwith Junction	SE6858812908	Water Authority Boundary	SE6123710779	7.7				E	D	3915190	
501202201A	Sheffield and South Yorks	Doncaster	SE6123710779	Bramwith Junction	SE5630503156	10.9				E	E	3915030	
501201202A	Sheffield and South Yorks	River Don at Kilnhurst	SE5028900023	Mexborough Low Lock	SK4629496468	7.1				E	D	3934585	*
501201201A	Sheffield and South Yorks	River Don at Brown's Weir	SK4443894185	River Don at Aldwarke Sew	SK4266892766	2.9					E	3934570	*
501201100A	Sheffield and South Yorks	River Don at Jordan's Wei	SK4213892150	River Don at SK 425 924	SK4030091997	2.6					D	3934580	*
501190301A	Calder & Hebble Navigatio	Newgate at Barnsley	SE3370019800	River Calder at Fall Ings	SE3430019800	0.6							
501190201A	Calder & Hebble Navigatio	River Calder Boat House F	SE3190018600	River Calder Portobello	SE3280018900	1			10.2452		E	1951170	*
501190101B	Calder & Hebble Navigatio	River Calder at Thornhill	SE2809517853	River Calder at Horbury B	SE2295120261	3.9			10.2449		E	4952255	*
501190101A	Calder & Hebble Navigatio	River Calder at Horbury B	SE2809517853	River Calder at Broad cut	SE3077717278	2.9			10.2449		E	4952255	*
501002300A	Aire & Calder Navigation	New Junction Canal	SE7490023000	River Ouse at Goole	SE6520018700	11.3				D	E	1910040	
501002202B	Aire & Calder Navigation	A19 Road Bridge	SE5970029500	River Ouse at Selby	SE6222032220	4.7			10.0525	E	E	1941560	
501002202A	Aire & Calder Navigation	River Aire at SE 571 264	SE5703726443	A19 Road Bridge	SE5970029500	3.7				E	E	1941540	
501002201A	Aire & Calder Navigation	Knottingley/Goole Canal a	SE5081823913	River Aire at SE511240	SE5114624018	0.3				E	E	1910030	
501002102A	Aire & Calder Navigation	SE508239	SE6520018700	New Junction Canal	SE5080023900	15.7				E	E	1910020	
501002101A	Aire & Calder Navigation	River Aire at Ferrybridge	SE4837224570	SE508239	SE5081823913	3				E	E	1910020	
501001201A	Aire & Calder Navigation	River Calder at Well Beck	SE3520021100	River Calder at Faneshill	SE3960026900	6.8							
501001102A	Aire & Calder Navigation	River Aire opposite mouth	SE4296326564	River Aire at Bulholme Lo	SE4344726809	1							
501001101A	Aire & Calder Navigation	River Aire at Old Mill La	SE3159132034	River Aire at Kippax Lock	SE4088928005	11.6				D	D	1910070	

* = CHANGE IN SAMPLE POINT