

Environmental Protection Internal Report

COMPLIANCE ASSESSMENT FOR EC FRESHWATER FISH DIRECTIVE 1990

June 1992
FWS/92/013
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NRA

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COMPLIANCE ASSESSMENT FOR EC FRESHWATER FISH DIRECTIVE 1990

TECHNICAL REPORT No. FWS/92/013

SUMMARY

Compliance during 1990 with the standards required by the EC Directive on the quality of freshwater to support fish life is assessed and reported.

1312 km of river length are designated as 'salmonid' and 31 km as 'cyprinid'. Additionally 904.8 ha. of enclosed waters are designated as 'salmonid' and 124.2 ha. as 'cyprinid'.

A total of 137 river sites and 25 enclosed waters were monitored during 1990 as part of the routine monthly monitoring programme. Data collected during 1st January 1990 to 31st December 1990 were used to assess compliance.

Quality Compliance Results with Directive Standards (includes derogations)

	RIVERS		
	non-compliant km	%	compliant %
'I' value	197	14.7	85.3
'G' value	811	60.4	39.6

	ENCLOSED WATERS		
	non-compliant ha	%	compliant %
'I' value	651.4	63.3	36.7
'G' value	1007.4	97.9	2.1

Low pH and high concentrations of total zinc were the main cause of non-compliance with mandatory 'I' values. The main cause of guideline 'G' value non-compliance was high concentrations of total copper (though the standard is dissolved).

It is concluded that low river flows which occurred during the period of drought in 1990 together with the natural mineralogy of the region contributed to the failures. Additionally non-compliance with the copper criteria should be viewed with caution, as compliance was assessed using total copper data. The EC Directive requirements are for dissolved copper data. Laboratory constraints meant dissolved copper determinations were not undertaken in 1990.



It is recommended:

- i) The analysis for dissolved copper is carried out in future at all sites designated under the EC Fish Directive.
- ii) Investigations take place into 'I' value site non-compliance on a priority rated basis.
- iii) The suitability of currently designated monitoring points be reviewed.
- iv) Discussions with the Fisheries/Conservation and Recreation Controller take place to review additional river lengths for designation.

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June 1992

ACKNOWLEDGEMENTS

The Compliance Maps were prepared by the Freshwater Planning Group and the Compliance schedules by A.Burghes of Moonsoft.

RESTRICTED CIRCULATION

Compliance assessments with the requirements of the Directive are undertaken by the Department of the Environment and the European Commission. These assessments have been reported on a five year basis and in the future will be reported on a three year basis. It is not for the NRA to report on the Directive compliance .

The compliance assessment for 1990 contained within this Report has been undertaken so that staff can identify non-compliant waters and determine reasons and causes of non-compliance . Therefore this Report is restricted to staff involved in such work.

Water Quality Planner

July 1992

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1.0 INTRODUCTION

The EC Directive on the quality of Freshwater to support fish life was adopted in 1978. Each Water Authority was requested by the Department of the Environment (DoE) to designate certain river lengths and enclosed waters identified as needing protection or improvement in order to support salmonid and cyprinid fish.(1)

The Directive originally required reporting by the UK government to the EC Commission in Brussels at intervals of five years. This has since been revised to a three year interval. The Regional Assessments are collated by NRA Head Office and forwarded to the DoE. The next assessment year is to be 1992 and this will be reported to DoE in 1993. It is the intention of the South West region to undertake an annual compliance assessment with the quality standards of the Directive, in order to identify non-compliant waters. The reasons and causes of non-compliance will be determined.

This report represents the first regional annual report of compliance with the Directive.

In the region 1312 km of river lengths have been designated as 'salmonid' and 31 km as 'cyprinid'. Additionally 904.8 ha of enclosed waters have been designated as 'salmonid' and 124.2 ha as 'cyprinid'.

The Directive lays down a series of Imperative (I) values and Guideline (G) values for a number of chemical and physical determinands. The criteria are different for salmonid and cyprinid waters and these are presented in Appendix 1. Total residual chlorine has historically been excluded from National reporting, as samples have to be analysed immediately, preferably at the time of sampling. Such field measurements have not been introduced.

Provision is made in the Directive (Article 11) for member states to grant derogations in respect of designated waters which fail to meet certain 'I' values because of exceptional weather, special geographic conditions or natural enrichment. In the Region there are currently 16 designated river monitoring points and four enclosed waters covered by existing derogations.

The majority of derogations apply to sites where pH is low because of acidic run-off or high because of eutrophic conditions due to the exceptional drought conditions.

2.0 1990 COMPLIANCE ASSESSMENT - RESULTS AND DISCUSSION

2.1 1990 Compliance Assessment

A total of 137 river sites and 25 enclosed waters were monitored during 1990 as part of the routine monitoring programme. A compliance assessment of the data collected has been undertaken and is presented in Appendix 2.

Monitoring for compliance with Directive standards has been undertaken each year since the Directive was implemented, 1989 was a National reporting year (2). The 1990 survey data was collected and assessed using identical methodology as that used in 1989.

In common with the 1989 survey, the 1990 data was collected during a year that suffered from exceptionally low flow conditions for many months. Some rivers such as the Fowey, Cober and Taw flows were below Q95 (the flow likely to be exceeded for 95% of the time) for 71, 73 and 159 days respectively.(3)

2.2 Compliance with Imperative Values

The results indicate 354 km of designated river lengths did not comply with 'I' values. These lengths represent 35 sites. Additionally, thirteen enclosed waters (663.4 ha) failed to comply with 'I' values as indicated in Tables 1a and 1b.

If the historic derogations are applied, river non-compliance is reduced to 197 km and enclosed waters to 651.4 ha. Those non-compliant sites with derogations in existence are identified in Table 1.

Low pH and high concentrations of total zinc are the main reasons of non-compliance with 'I' values.

The reasons for non-compliance with 'I' values are indicated below.

REASONS FOR FAILURE (without derogations)

Reason	RIVERS Nos of sites	ENCLOSED WATERS Nos of Sites
Dissolved Oxygen	1	0
Low pH	9	7
High pH	2	1
Total ammonia	7	1
Total zinc	20	5

Most of the quality non-compliance can be attributed to the effects of low flows as a result of the 1990 drought (leading to reduced dilution), elevated water temperatures, the peat covering of moorlands, algal blooms and the impact of historic mining. Low hardness of South West rivers contribute significantly to the zinc non-compliance. During 1990 most reservoirs were drawn down to extremely low levels because of demand and algal blooms were prevalent in these waters.

Quality compliance with Directives standards is presented in Appendix 3.

2.3 Compliance with Guideline Values

The results indicate 811 km (86 sites) of river and 1007.4 ha (22 sites) of enclosed water sites were non-compliant with 'G' values.

However 57% of river non-compliance was as a result of only total copper failing to met the dissolved copper 'G' value.

TABLE 1a

(** = Derogation)

NON-COMPLIANCE WITH DIRECTIVE IMPERATIVE (I) VALUES - RIVERS

River	Designated Site	Determinand	Possible reason for failure
Corry Brook	prior to Yarty	NH ₄	farming activities
Exeter Canal	Countess Weir	pH	**algal blooms/ eutrophic, urbanisation, canalization, run-off.
Great Western Canal	Fenacre Bridge	NH ₄	eutrophic, algal blooms decay, still waters.
	The Basin	NH ₄ , Zn	As above.
South Teign	Leigh Bridge	Zn	**Moorland origins(peat), natural geology, drought
North Teign	Gidleigh Park	pH	**natural geology, drought moorland origins(peat).
East Dart	Dartmeet	pH	**natural geology, moorland, origins(peat), low flows.
West Dart	Huccaby	pH	**natural geology, moorland, origins(Peat), low flows.
Swincombe	prior to West Dart	pH	**natural geology, moorland, origins(peat), low flows
Plym	Cadover Br	pH	**natural geology, moorland origins(peat)
Meavy	Shaugh	pH	**moorland origins(peat), geology, agricultural activities.
Tavy	Hill Bridge	pH	** moorland origins(peat), low flows
	Washford	pH, Zn	** moorland origins(peat), low flows, factory discharge, STW.

TABLE 1a continued

Burn	prior to R.Tavy	Zn	septic tank discharge, natural geology, agricultural activities.
Tamar	Tamarstone Bridge	Zn	agricultural activities, land run-off
Penpont	Two Bridges Water	Zn	moorland origins(peat), natural geology, agricultural activities.
Lynher	Rilla Mill Bridge	Zn	historic mining, geology, agricultural activities
	Notter Bridge	Zn	historic mining, geology low flows.
Fowey	Draynes Bridge	pH	drought, Bodmin Moor soils, historic mining
	Restormel	Zn	drought
Warleggan	Panters Bridge	Zn	historic mining
Calenick	Calenick Bridge	Zn	historic mining/geology
Kennall	Stickens Br	DO,NH ₄	sewage treatment works
R.Coher	LowerTown Bridge	Zn	historic mining/geology, drought
Perranporth	Pleasure Gardens	pH(u),Zn	historic mining/geology, eutrophication
Menalhyl	Mawgan Porth Bridge	NH ₄	canalization, STW, farm activities
Torridge	Newbridge Beam Bridge	Zn Zn	**drought, eutrophic **drought, eutrophic
West Okement	Okehampton	pH,Zn	**moorland origins(peat), natural geology, drought, historic mining current quarrying.
Okement	Woodhall Bridge	Zn	**farming activities, historic mining, current quarrying.
Dipple Water	Dipple Bridge	NH ₄	farming activities.
Taw	Taw Bridge	NH ₄	STW, farming activities

TABLE 1a continued

Venn	Bishops Tawton	Zn	quarry discharge, natural geology, historic mining
Mole	New Bridge	Zn	STW

TABLE 1b.

NON-COMPLIANCE WITH DIRECTIVE IMPERATIVE (I) VALUES- ENCLOSED WATERS

Enclosed waters	Determinand	Possible reason for Failure
Fernworthy	pH	drought, moorland origins(peat)
Venford	pH	drought, moorland origins(peat)
Trenchford	Zn	**drought, geology
Avon	pH	drought, moorland origins(peat)
Burrator	pH	drought, ponding/blocked channel, moorland origins(peat)
Siblyback	Zn	drought, natural geology.
Colliford	pH,Zn	drought, natural geology, moorland origins(peat)
Drift	NH4	drought, algal blooms/eutrophication
Cargenwyn	Zn	drought, natural geology
Crowdy	pH	drought, decomposition of bankside material deposited in dam
Melbury	Zn	drought
Gammaton	pH(u)	drought, eutrophic conditions.
Meldon	pH	drought, moorland origins(peat)

** = derogation applies

As compliance was assessed using total copper data and not dissolved, the level of non-compliance could be an over estimate. The use of total copper data for compliance assessment was due to laboratory constraints in 1990. The natural mineralogy of the region and the low hardness of rivers contribute to the high level of non-compliance with the copper standards.

If the results are examined, excluding copper, approximately 30 sites have notable 'G' value failures. Twenty-one of these relate to dissolved oxygen, the rest primarily to biochemical oxygen demand (BOD). Most of the river non-compliance can be attributed to low flows, which occurred over the drought period, resulting in insufficient dilution for effluent discharges and to the effects of farming activities, including surface run-off after localised rainfall.

During 1990 most reservoirs were drawn down to extremely low levels and together with calm weather conditions, this resulted in algal blooms, low dissolved oxygen concentrations and pH problems.

The reasons for non-compliance with 'G' Values are indicated below.

RIVERS

Nos of sites	Reason
15	dissolved oxygen
5	suspended solids
23	B.O.D.
7	nitrite
61	total copper (std = dissolved)

ENCLOSED WATERS

Nos of sites	Reason
7	dissolved oxygen
3	B.O.D
17	total copper (std = dissolved)

3.0 RECOMMENDATIONS

- 3.1 Investigation based on a priority rating system to be undertaken for all designated stretches and enclosed waters failing to comply with 'I' values without derogations applying.
ACTION: Catchment Scientist/ Assistant Scientist (Algology)
- 3.2 The suitability of the current designated monitoring points require a detailed review in line with the DoE Guidance note. New sites/stretches should be introduced and designated as necessary in consultation with Fisheries/Conservation and Recreation Controller.
ACTION: Freshwater Scientist
- 3.3 Additional monitoring points should be identified and designated, to enable the size of individual stretches reported to be reduced and non-compliant stretches to be identified more accurately, particularly those consistently non-compliant.
ACTION: Freshwater Scientist
- 3.4 The analysis of dissolved copper should be undertaken at all sites.
ACTION: Freshwater Scientist
- 3.5 DoE are advised of the changes on the River Wolf resulting from the newly commissioned Roadford Reservoir. New monitoring points should be identified as appropriate.
ACTION: Freshwater Scientist
- 3.6 The newly completed reservoir at Roadford should be designated under the EC Freshwater Fish Directive as 'Salmonid'.
ACTION: Freshwater Officer/ Fisheries/Conservation and Recreation Officer.

4.0 REFERENCES

1. EC Directive 78/659/EEC on the quality of freshwaters needing protection or improvement in order to support fish life.
Official Journal of the European Communities No L222/1, 14 August 1978
2. 1990 Water Quality Drought Report (DRAFT)
K.Ming-Lee, FWS/006/91, May 1991.
3. EC Freshwater Fish Directive - 1989 Quality Assessment.
Report of Environmental Protection Manager to Management Team 29 May 1990.

APPENDIX 1

EC FRESHWATER FISH DIRECTIVE- WATER QUALITY CRITERIA

EC FRESHWATER FISH DIRECTIVE - WATER QUALITY CRITERIA

Determinand	Salmonid Waters		Cyprinid Waters	
	'G'	'I'	'G'	'I'
(Values as 95-percentiles unless stated)				
Dissolved Oxygen (a) (mg/l O ₂)	50% > 9 100% > 7	50% > 9	50% > 8 100% > 5	50% > 7
pH	—	6 - 9	—	6 - 9
Suspended Solids (b) (mg/l)	25AA	—	~25AA	—
BOD (mg/l O ₂)	5	—	8	—
Nitrite (mg/l NO ₂)	0.5	—	1.5	—
Nitrite (mg/l N) ²	0.15	—	0.46	—
Non-ionised ammonia (mg/l N)	0.004	0.021	0.004	0.021
Total ammonia (mg/l N)	0.03	0.780	0.160	0.780
Total residual chlorine (mg/l HOCl)	—	0.005	—	0.005

- (a) For dissolved oxygen, 50% - median and 100% - Minimum standard.
 (b) For suspended solids, AA - Annual mean.

Total Zinc (mg/l Zn) (Values as 95 percentiles) Imperative

	Water Hardness (mg/l CaCO ₃)			
	0 - 50	50 - 100	100 - 250	250 +
Salmonid waters (mg/l)	0.03	0.2	0.3	0.5
Cyprinid waters (mg/l)	0.3	0.7	1.0	2.0

Dissolved Copper (mg/l Cu) (Values as 95 percentiles) Guideline

	Water Hardness (mg/l CaCO ₃)			
	0 - 50	50 - 100	100 - 250	250 +
Salmonid waters (mg/l)	0.005	0.022	0.040	0.112
Cyprinid waters (mg/l)	0.005	0.022	0.040	0.122

APPENDIX 2

1990 EC Freshwater Fish Directive 'I' and 'G' value Compliance

NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION
1990 EC FRESHWATER FISH DIRECTIVE
COMPLIANCE WITH IMPERATIVE DETERMINANCE

CATCHMENT	RIVER	RIVER LOCATION	USER REFERENCE NUMBER	KM	DESIGNATION	PASS OR FAIL	DISSOLVED OXYGEN (mg/l)	pH (lower)	pH (upper)	UNIONISED AMMONIA (mg/l)	TOTAL AMMONIA (mg/l)	TOTAL ZINC (mg/l)
LIM - 01A	LIM	MILL GREEN LYME REGIS	R01A002	6	SALMONID	PASS	10.300 P	7.900 P	8.300 P	0.010 P	0.250 P	0.019 P
AVE - 02C	AVE	BROOM	R02C005	30	SALMONID	PASS	10.550 P	7.800 P	8.400 P	0.010 P	0.260 P	0.050 P
AVE - 02B	AVE	WHITFORD BRIDGE	R02B001			PASS	10.300 P	7.735 P	8.595 P	0.010 P	0.190 P	0.027 P
AVE - 02B	COLLY	COLLYFORD	R02B006	10	SALMONID	PASS	10.600 P	7.400 P	8.500 P	0.010 P	0.240 P	0.011 P
AVE - 02D	YARTY	A35 BRIDGE GAMMONS HILL	R02D006	16	SALMONID	PASS	10.800 P	7.700 P	8.400 P	0.010 P	0.210 P	0.015 P
AVE - 02D	CORRY	PRIOR TO RIVER YARTY	R02D002	5	SALMONID	FAIL	10.150 P	7.300 P	8.600 P	0.010 P	0.780 F	0.013 P
SID - 03A	SID	SIDMOUTH	R03A003	3	SALMONID	PASS	10.500 P	7.800 P	8.500 P	0.010 P	0.180 P	0.050 P
EXE - 05G	EXE	COURT FARM EXFORD	R05G001	84	SALMONID	PASS	11.000 P	6.900 P	7.900 P	0.010 P	0.230 P	0.011 P
EXE - 05E	EXE	EXEBRIDGE	R05E001			PASS	11.300 P	7.000 P	7.500 P	0.010 P	0.080 P	0.011 P
EXE - 05D	EXE	R EXE AT THORVERTON GAUGING STATION	R05D001			PASS	10.250 P	7.135 P	7.900 P	0.010 P	0.116 P	0.010 P
EXE - 05D	EXE	TREWS WEIR EXETER	R05D004			PASS	9.700 P	7.335 P	8.165 P	0.010 P	0.195 P	0.039 P
EXE - 05A	RENN	POWDERHAM CASTLE	R05A002	7	SALMONID	PASS	9.600 P	7.300 P	8.000 P	0.010 P	0.090 P	0.008 P
EXE - 05A	EXETER CANAL	A38 BRIDGE COUNTESS WEIR	R05A006	8	CYPRINID	FAIL	9.550 P	7.300 P	9.500 P	0.010 P	0.070 P	0.010 P
EXE - 05B	CLYST	A30 BRIDGE CLYST HORTON	R05B006	3	CYPRINID	PASS	8.700 P	7.500 P	7.900 P	0.010 P	0.250 P	0.000 P
EXE - 05J	CREEDY	ORNFORD FARM	R05J004	10	SALMONID	PASS	9.950 P	7.300 P	8.200 P	0.010 P	0.180 P	0.018 P
EXE - 05K	VED(CREEDY)	DONNES MILL	R05K005	5	SALMONID	PASS	9.650 P	7.310 P	8.000 P	0.010 P	0.264 P	0.052 P
EXE - 05C	CULM	UFFULME	R05C005	13	SALMONID	PASS	10.350 P	7.300 P	8.000 P	0.010 P	0.160 P	0.014 P
EXE - 05D	DART (EXE)	DART BRIDGE BUCKLEIGH	R05D007	8	SALMONID	PASS	10.600 P	7.200 P	8.700 P	0.010 P	0.330 P	0.050 P
EXE - 05E	LOWMAN	A373 BRIDGE TIVERTON	R05E011	4	SALMONID	PASS	11.400 P	7.500 P	8.500 P	0.010 P	0.100 P	0.011 P
EXE - 05C	GREAT WESTERN CANAL	FEVORE BRIDGE	R05C021	16	CYPRINID	FAIL	7.100 P	7.500 P	7.900 P	0.010 P	1.280 F	0.018 P
EXE - 05E	GREAT WESTERN CANAL	THE BASIN TIVERTON	R05E013			FAIL	9.200 P	7.500 P	8.500 P	0.010 P	0.820 F	0.434 F
EXE - 05F	BROTHERM	BOWDENHILL WOOD	R05F003	4	SALMONID	PASS	10.300 P	6.440 P	8.380 P	0.010 P	0.060 P	0.010 P
EXE - 05E	IRON MILL STREAM	PRIOR TO RIVER EXE	R05E008	5	SALMONID	PASS	11.100 P	6.900 P	7.900 P	0.010 P	0.070 P	0.015 P
EXE - 05E	BROCKEY	BROCKBRIDGE COTTAGES	R05E012	3	SALMONID	PASS	10.700 P	7.300 P	8.000 P	0.010 P	0.090 P	0.006 P
EXE - 05H	BARLE	TINR STEPS	R05H002	34	SALMONID	PASS	10.900 P	6.700 P	7.400 P	0.010 P	0.080 P	0.010 P
EXE - 05H	BARLE	PODION HILL	R05H003			PASS	11.150 P	6.800 P	7.400 P	0.010 P	0.070 P	0.010 P
EXE - 05H	DANES BROOK	CASTLE BRIDGE	R05H004	5	SALMONID	PASS	10.600 P	6.100 P	7.200 P	0.010 P	0.090 P	0.009 P

NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION
1990 EC FRESHWATER FISH DIRECTIVE
COMPLIANCE WITH IMPERATIVE DETERMINANDS

CATCHMENT	RIVER	RIVER LOCATION	USER REFERENCE NUMBER	RM	DESIGNATION	PASS OR FAIL	DISSOLVED OXYGEN (mg/l)	pH (Lower)	pH (Upper)	UNIONISED AMMONIA (mg/l)	TOTAL AMMONIA (mg/l)	TOTAL ZINC (mg/l)
EXE - 05G	HADEED	A396 BRIDGE PTAY COUSE	R05G005	10	SALMONID	PASS	10.900 P	7.100 P	7.700 P	0.010 P	0.050 P	0.010 P
EXE - 05G	QUARME	COPELHAM BRIDGE	R05G006	5	SALMONID	PASS	10.600 P	7.100 P	8.100 P	0.020 P	0.190 P	0.015 P
TEIGN - 06C	SOUTH TEIGN	LEIGH BRIDGE	R06C001	5	SALMONID	FAIL	10.600 P	6.300 P	7.000 P	0.010 P	0.020 P	0.132 F
TEIGN - 06C	NORTH TEIGN	GILLEIGH BARK HOTEL	R06C002	6	SALMONID	FAIL	10.400 P	5.600 P	6.700 P	0.010 P	0.030 P	0.026 P
TEIGN - 06C	TEIGN	BRIDFORD BRIDGE	R06C005	36	SALMONID	PASS	11.150 P	6.700 P	7.300 P	0.010 P	0.050 P	0.020 P
TEIGN - 06B	TEIGN	PRESTON	R06B001			FAIL	9.800 P	7.000 P	7.760 P	0.010 P	0.094 P	0.057 F
TEIGN - 06B	LEMON	BRATLEY PLAYING FIELDS NEWTON ABBOT	R06B005	9	SALMONID	PASS	10.500 P	6.800 P	8.200 P	0.010 P	0.080 P	0.012 P
TEIGN - 06D	BOVEY	TWINED FARM	R06D004	18	SALMONID	PASS	10.500 P	6.900 P	7.400 P	0.010 P	0.300 P	0.013 P
DART - 07B	EAST DART	CLAPPER BRIDGE DARTMEET	R07B002	7	SALMONID	FAIL	10.800 P	5.200 P	6.800 P	0.010 P	0.050 P	0.010 P
DART - 07B	WEST DART	HUCKABY	R07B004	10	SALMONID	FAIL	10.600 P	5.400 P	7.000 P	0.010 P	0.060 P	0.011 P
DART - 07B	DART	TOINES WEIR	R07B010	27	SALMONID	PASS	9.950 P	6.835 P	8.330 P	0.010 P	0.349 P	0.013 P
DART - 07A	HARBORNE	BEENLEIGH	R07A003	20	SALMONID	PASS	11.000 P	7.500 P	8.400 P	0.010 P	0.320 P	0.007 P
DART - 07A	WASH	TUCKENRAY	R07A004	3	SALMONID	PASS	10.850 P	7.600 P	8.200 P	0.010 P	0.070 P	0.005 P
DART - 07B	HEMS	LITTLEHEMPSON	R07B012	3	SALMONID	PASS	9.850 P	7.615 P	8.300 P	0.010 P	0.755 P	0.009 P
DART - 07B	PAROLE	RAILWAY BRIDGE BUCKFASTLEIGH	R07B014	10	SALMONID	PASS	10.950 P	7.300 P	8.500 P	0.010 P	0.110 P	0.012 P
DART - 07B	WEST WEBBURN	PONGMORTHY BRIDGE	R07B037	4	SALMONID	PASS	10.600 P	6.500 P	7.100 P	0.010 P	0.050 P	0.011 P
DART - 07B	EAST WEBBURN	COOKINGFORD	R07B036	4	SALMONID	PASS	10.500 P	6.500 P	7.200 P	0.010 P	0.140 P	0.012 P
DART - 07B	WEBBURN	BUCKLAND BRIDGE	R07B015	2	SALMONID	PASS	10.900 P	6.600 P	7.300 P	0.010 P	0.050 P	0.008 P
DART - 07B	SWINDOMBE	PRIOR TO WEST DART RIVER	R07B021	2	SALMONID	FAIL	10.900 P	4.900 P	6.700 P	0.010 P	0.070 P	0.026 P
GARA - 08A	THE GARA	HIGHER NORTH MILL	R08A004	3	SALMONID	PASS	10.550 P	7.600 P	8.200 P	0.010 P	0.150 P	0.247 P
AVON - 08B	AVON	WITCH	R08B005	25	SALMONID	PASS	10.750 P	7.100 P	7.800 P	0.010 P	0.060 P	0.009 P
ERME - 09B	ERME	SEQUER'S BRIDGE	R09B003	13	SALMONID	PASS	10.000 P	7.140 P	7.700 P	0.010 P	0.188 P	0.014 P
YEALM - 10B	YEALM	YEALM BRIDGE	R10B004	16	SALMONID	PASS	10.500 P	7.300 P	7.800 P	0.010 P	0.140 P	0.016 P
FLYM - 11B	FLYM	CADDOVER BRIDGE	R11B003	18	SALMONID	FAIL	10.840 P	4.700 P	7.500 P	0.010 P	0.040 P	0.021 P
	FLYM	FLYM BRIDGE	R11B006			PASS	10.600 P	6.500 P	7.300 P	0.010 P	0.103 P	0.012 P

NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION
1990 EC FRESHWATER FISH DIRECTIVE
COMPLIANCE WITH IMPERATIVE DETERMINANDS

CATCHMENT	RIVER	RIVER LOCATION	USER REFERENCE NUMBER	RM	DESIGNATION	PASS OR FAIL	DISSOLVED OXYGEN (mg/l)	pH (lower)	pH (upper)	UNIONISED AMMONIA (mg/l)	TOTAL AMMONIA (mg/l)	TOTAL ZINC (mg/l)
FLM - 11B	MEWY	SHALGH (PRIOR TO RIVER FLM)	RL1B011	9	SALMONID	FAIL	10.600 P	5.400 F	7.200 P	0.010 P	0.050 P	0.008 P
TWY - 12C	TWY	HILL BRIDGE	RL2C001	24	SALMONID	FAIL	10.900 P	4.300 F	7.800 P	0.010 P	0.120 P	0.018 P
		WASH FORD	RL2C005			FAIL	10.400 P	6.600 P	8.100 P	0.010 P	0.280 P	0.054 F
TWY - 12D	WILKHAM	GRANDPEN BRIDGE	RL2D004	13	SALMONID	PASS	10.400 P	6.200 P	7.700 P	0.010 P	0.160 P	0.009 P
TWY - 12D	LIMBURN	SHILLMILL (PRIOR TO RIVER TWY)	RL2C010	7	SALMONID	PASS	9.800 P	6.800 P	7.700 P	0.010 P	0.270 P	0.059 P
TWY - 12C	BURN	PRIOR TO RIVER TWY	RL2C008	3	SALMONID	FAIL	10.000 P	6.800 P	7.600 P	0.010 P	0.130 P	0.062 F
DMAR - 12L	DMAR	DMARSTONE BRIDGE	RL2L002	67	SALMONID	FAIL	9.500 P	7.000 P	7.600 P	0.010 P	0.360 P	0.455 F
		GLINISLAKE BRIDGE	RL2D003			PASS	10.150 P	6.735 P	7.765 P	0.010 P	0.285 P	0.062 P
DMAR - 12P	INNY	BEALS MILL BRIDGE	RL2P006	26	SALMONID	PASS	10.150 P	7.000 P	8.400 P	0.010 P	0.060 P	0.066 P
DMAR - 12P	PENFONT WATER	TWO BRIDGES	RL2P008	9	SALMONID	FAIL	10.150 P	6.600 P	7.800 P	0.010 P	0.060 P	0.066 F
DMAR - 12E	LOWEY BROOK	LOWEY BRIDGE	RL2E006	3	SALMONID	PASS	10.150 P	7.000 P	8.400 P	0.010 P	0.080 P	0.075 P
DMAR - 12F	LID	LIFTON BRIDGE	RL2F002	10	SALMONID	PASS	10.700 P	7.000 P	7.700 P	0.010 P	0.140 P	0.075 P
DMAR - 12G	THRUSHEL	TINWY BRIDGE	RL2G004	4	SALMONID	PASS	10.600 P	6.900 P	7.700 P	0.010 P	0.180 P	0.016 P
DMAR - 12G	WOLF	PRIOR TO RIVER THRUSHEL	RL2G007	12	SALMONID	PASS	10.700 P	7.000 P	7.600 P	0.010 P	0.090 P	0.034 P
DMAR - 12H	KENSEY	ST LEONARDS BRIDGE	RL2H002	9	SALMONID	PASS	10.550 P	6.900 P	8.300 P	0.010 P	0.200 P	0.057 P
DMAR - 12H	CWEY	HEALE BRIDGE	RL2H002	8	SALMONID	PASS	10.350 P	6.600 P	7.600 P	0.010 P	0.430 P	0.013 P
DMAR - 12H	OTTERY	HELLESCOTT BRIDGE	RL2H002	16	SALMONID	PASS	9.900 P	7.000 P	7.700 P	0.010 P	0.340 P	0.017 P
DMAR - 12K	CLAW	TEWENT BRIDGE	RL2K002	3	SALMONID	PASS	9.500 P	6.500 P	7.500 P	0.010 P	0.350 P	0.044 P
DMAR - 12K	DEER	DEER BRIDGE	RL2K005	3	SALMONID	PASS	9.450 P	6.600 P	7.700 P	0.010 P	0.310 P	0.036 P
LYNER - 12Q	LYNER	ROLLA MILL BRIDGE	RL2Q003	31	SALMONID	FAIL	10.550 P	6.700 P	7.300 P	0.010 P	0.080 P	0.056 F
		NOTTER BRIDGE	RL2Q007			FAIL	10.550 P	6.600 P	7.400 P	0.010 P	0.117 P	0.080 F
LYNER - 12R	TILLY	TIDEFORD BRIDGE	RL2R004	4	SALMONID	PASS	10.600 P	7.200 P	7.800 P	0.010 P	0.160 P	0.042 P
LYNER - 12Q	WITHEY BROOK	PRIOR TO RIVER LYNER	RL2Q008	7	SALMONID	PASS	10.500 P	6.100 P	7.500 P	0.010 P	0.140 P	0.011 P
SEBTON - 13A	SEBTON	SEBTON BRIDGE	RL3A005	15	SALMONID	PASS	9.750 P	7.000 P	7.800 P	0.010 P	0.180 P	0.037 P
LOCE - 14C	WEST LOCE	SONDEN'S BRIDGE	RL4C003	5	SALMONID	PASS	10.650 P	7.100 P	7.800 P	0.010 P	0.190 P	0.141 P
POWEY - 15B	POWEY	DRAYNES BRIDGE	RL5B002	25	SALMONID	FAIL	10.500 P	5.725 F	6.875 P	0.010 P	0.065 P	0.013 P

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CATCHMENT	RIVER	RIVER LOCATION	USER REFERENCE NUMBER	RM	DESIGNATION	PASS OR FAIL	DISSOLVED OXYGEN (mg/l)	pH (lower)	pH (upper)	UNIONISED AMMONIA (mg/l)	TOTAL AMMONIA (mg/l)	TOTAL ZINC (mg/l)
	POWEY	RESIDENCE	R15B006			FAIL	10.750 P	6.500 P	7.400 P	0.010 P	0.065 P	0.038 P
POWEY - 15B	WARLEGAN	BRIDGES BRIDGE	R15B009	11	SALMONID	FAIL	10.750 P	6.200 P	8.000 P	0.010 P	0.170 P	0.098 P
POWEY - 15B	ST. NEDT	TWO WATERS FOOT	R15B008	9	SALMONID	PASS	10.250 P	6.125 P	7.375 P	0.010 P	0.093 P	0.028 P
COASTAL - 18A	CARRHAYS STREAM	CARRHAYS BEACH BRIDGE	R18A002	7	SALMONID	PASS	10.050 P	7.300 P	7.900 P	0.010 P	0.080 P	0.021 P
FAL - 19D	TRESTALLAN	TRESTALLAN BRIDGE	R19D002	6	SALMONID	PASS	9.950 P	7.200 P	7.600 P	0.010 P	0.090 P	0.038 P
FAL - 19E	ALLEN	MORESK LAUNDRY BRIDGE	R19D004	2	SALMONID	PASS	10.400 P	7.300 P	7.600 P	0.010 P	0.180 P	0.021 P
FAL - 19D	KINMAN	BOSWICK BRIDGE	R19D007	2	SALMONID	PASS	10.450 P	7.200 P	7.700 P	0.010 P	0.060 P	0.076 P
FAL - 19D	CALENICK STREAM	CALENICK BRIDGE	R19D006	2	SALMONID	FAIL	10.600 P	6.500 P	7.700 P	0.010 P	0.300 P	0.310 P
FAL - 19E	KENWALL	STICKEN BRIDGE	R19D007	8	SALMONID	FAIL	8.600 P	6.500 P	7.100 P	0.010 P	1.900 P	0.027 P
COBER - 20A	COBER	LOWER TOWN BRIDGE	R20A003	7	SALMONID	FAIL	10.400 P	6.800 P	7.400 P	0.010 P	0.170 P	0.039 P
COASTAL - 21A	ROSEMORROW STREAM	A30 BRIDGE AT CHANDLER	R21A008	3	SALMONID	PASS	9.900 P	6.600 P	7.500 P	0.010 P	0.080 P	0.016 P
COASTAL - 21A	NEWMAN	NEWMAN BRIDGE	R21A005	7	SALMONID	PASS	10.500 P	6.500 P	7.500 P	0.010 P	0.390 P	0.042 P
COASTAL - 21A	LAMORNA STREAM	LAMORNA	R21A011	3	SALMONID	PASS	10.400 P	7.000 P	7.500 P	0.010 P	0.140 P	0.020 P
HAYLE - 22A	WARRACK STREAM	PHILLACK - COPPERHOUSE	R22A001	2	SALMONID	PASS	10.500 P	7.500 P	8.400 P	0.010 P	0.080 P	0.318 P
COASTAL - 23A	PERRANFORTH STREAM	PLEASURE GARDENS PERRANFORTH	R23A012	3	SALMONID	FAIL	10.150 P	7.000 P	9.500 P	0.010 P	0.080 P	0.479 P
CHMEL - 25A	FORTH STREAM	RUALTON BRIDGE	R25A005	5	SALMONID	PASS	10.250 P	7.300 P	7.900 P	0.010 P	0.380 P	0.025 P
CHMEL - 25A	WARRACK	WARRACK FORTH BRIDGE	R25A003	7	SALMONID	FAIL	10.450 P	7.100 P	7.900 P	0.010 P	0.860 P	0.034 P
CHMEL - 25B	CHMEL	GEM BRIDGE	R25B003	28	SALMONID	PASS	10.550 P	6.500 P	7.400 P	0.010 P	0.260 P	0.027 P
CHMEL - 25B	CHMEL	GROGLEY	R25B008			PASS	10.150 P	6.700 P	7.300 P	0.010 P	0.140 P	0.037 P
CHMEL - 25D	ALLEN	SLADES BRIDGE	R25D003	12	SALMONID	PASS	9.950 P	7.500 P	8.000 P	0.010 P	0.220 P	0.057 P
CHMEL - 25B	ST. LAWRENCE STR.	A30 BRIDGE	R25B017	2	SALMONID	PASS	10.200 P	6.500 P	7.400 P	0.010 P	0.210 P	0.094 P
CHMEL - 25C	DE LANK	KEY BRIDGE	R25C002	10	SALMONID	PASS	10.400 P	6.000 P	7.300 P	0.010 P	0.030 P	0.021 P
VALENCY - 26A	VALENCY	BOSCASTLE BRIDGE	R26A003	3	SALMONID	PASS	10.650 P	7.100 P	8.200 P	0.010 P	0.230 P	0.052 P
STRAVEET - 27A	BLIDE CAVIL	FALCON BRIDGE	R27A010	4	CYPRINID	PASS	9.450 P	7.200 P	8.100 P	0.010 P	0.320 P	0.008 P
COASTAL - 27A	COOMBE VALLEY	DUCKPOOL COTTAGE	R27A011	2	SALMONID	PASS	11.350 P	7.400 P	8.900 P	0.010 P	0.160 P	0.009 P

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CATCHMENT	RIVER	RIVER LOCATION	USER REFERENCE NUMBER	RM	DESIGNATION	PASS OR FAIL	DISSOLVED OXYGEN (mg/l)		pH (lower)		pH (upper)	UNITED AMMONIA (mg/l)	TOTAL AMMONIA (mg/l)	TOTAL ZINC (mg/l)
TORRIDGE - 29C	TORRIDGE	KINGSLEY MILL	R29C003	70	SALMONID	PASS	10.150	P	6.900	P	7.800	0.010	0.200	0.010
TORRIDGE - 29B	TORRIDGE	NEWBRIDGE	R29B001			FAIL	9.700	P	6.800	P	7.700	0.010	0.130	0.036
TORRIDGE - 29B	TORRIDGE	BEAM BRIDGE	R29B034			FAIL	10.200	P	7.000	P	7.900	0.010	0.200	0.301
TORRIDGE - 29A	YED	HEALE HOUSE	R29A003	8	SALMONID	PASS	10.350	P	7.200	P	7.800	0.010	0.270	0.020
TORRIDGE - 29A	DUNEZ	ORLEIGH MILLS	R29A005	4	SALMONID	PASS	10.450	P	7.100	P	7.700	0.010	0.250	0.018
TORRIDGE - 29A	LYDELAND WATER	LYDELAND WATER	R29A006	2	SALMONID	PASS	10.300	P	7.000	P	7.700	0.010	0.450	0.015
TORRIDGE - 29B	HERE	GREYWOOD	R29B009	4	SALMONID	PASS	9.950	P	6.910	P	8.000	0.010	0.140	0.010
TORRIDGE - 29D	EAST OREMENT	A30 BRIDGE AT OREHAMPTON	R29D001	5	SALMONID	PASS	10.500	P	6.500	P	7.000	0.010	0.060	0.020
TORRIDGE - 29D	WEST OREMENT	OREHAMPTON HOSPITAL	R29D002	5	SALMONID	FAIL	10.750	P	5.900	F	7.200	0.010	0.080	0.110
TORRIDGE - 29D	OREMENT	WOODHALL BRIDGE	R29D005	17	SALMONID	FAIL	10.350	P	6.500	P	7.300	0.010	0.140	0.063
TORRIDGE - 29C	LEW	LEWER BRIDGE	R29C009	10	SALMONID	PASS	10.200	P	6.800	P	7.800	0.010	0.210	0.009
TORRIDGE - 29C	WALDON	HENSCOTT BRIDGE	R29C012	6	SALMONID	PASS	10.300	P	6.800	P	7.600	0.010	0.360	0.015
TORRIDGE - 29C	DIPPLE WATER	DIPPLE BRIDGE	R29C013	2	SALMONID	FAIL	9.500	P	6.900	P	7.800	0.010	1.800	0.020
TW - 30C	TW	TW BRIDGE	R30C005	63	SALMONID	FAIL	11.250	P	7.000	P	8.300	0.020	0.780	0.021
TW - 30B	TW	NEWHAM BRIDGE	R30B003			PASS	10.350	P	7.100	P	8.200	0.010	0.200	0.050
TW - 30B	TW	RIVER TW AT CHAFFELTON FOOTBRIDGE	R30B014			PASS	10.450	P	7.100	P	7.800	0.010	0.160	0.014
TW - 30A	CAEN	VELLATOR BRIDGE	R30A002	8	SALMONID	PASS	10.000	P	7.200	P	7.900	0.010	0.460	0.026
TW - 30A	WOML WATER	OLD RAILWAY BRIDGE	R30A006	3	SALMONID	PASS	10.000	P	7.500	P	8.100	0.010	0.370	0.015
TW - 30A	BRADFORD WATER	BLAKENELL	R30A001	8	SALMONID	PASS	10.250	P	7.200	P	7.800	0.010	0.310	0.016
TW - 30H	YED(BARNSTABLE)	COLLARDS BRIDGE	R30H006	13	SALMONID	PASS	11.100	P	7.300	P	8.000	0.010	0.040	0.007
TW - 30H	RYE STREAM	LONGHORE BRIDGE	R30H004	8	SALMONID	PASS	10.700	P	7.100	P	7.700	0.010	0.180	0.006
TW - 30A	VENN	BISHOPS TOWN	R30A004	3	SALMONID	FAIL	11.050	P	7.400	P	8.400	0.010	0.120	0.684
TW - 30B	LANGHAM LAKE	LANGHAM BRIDGE	R30B006	4	SALMONID	PASS	10.000	P	7.100	P	7.800	0.010	0.110	0.050
TW - 30F	MOLE	NEW BRIDGE	R30F004	28	SALMONID	FAIL	10.500	P	7.000	P	7.700	0.010	0.210	0.050
TW - 30F	MOLE	HEAD BARTON	R30F006			PASS	10.400	P	7.100	P	7.600	0.010	0.100	0.013
TW - 30G	BRAY	MEEHNE BRIDGE	R30G004	18	SALMONID	PASS	10.750	P	7.100	P	7.800	0.010	0.090	0.013

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CATCHMENT	RIVER	RIVER LOCATION	USER REFERENCE NUMBER	RM	DESIGNATION	PASS OR FAIL	DISSOLVED OXYGEN (mg/l)	pH (lower)	pH (upper)	UNIONISED AMMONIA (mg/l)	TOTAL AMMONIA (mg/l)	TOTAL ZINC (mg/l)
TPW - 30G	HOLEWATER (MOLLAND)	LINKLEYHAM BRIDGE	R30G005	4	SALMONID	PASS	10.600 P	6.900 P	7.700 P	0.010 P	0.040 P	0.010 P
TPW - 30F	LITTLE SILVER	ALSWEAR	R30F011	2	SALMONID	PASS	9.750 P	7.000 P	7.800 P	0.010 P	0.060 P	0.007 P
TPW - 30F	CROOKED OAK	A373 BRIDGE AT ALSWEAR	R30F007	3	SALMONID	PASS	9.450 P	6.900 P	7.695 P	0.010 P	0.165 P	0.035 P
TPW - 30F	YED(MOLLAND)	GRILSTONE	R30F009	14	SALMONID	PASS	9.900 P	7.000 P	7.700 P	0.010 P	0.040 P	0.007 P
TPW - 30B	MULLY BROOK	HAREFORD BRIDGE	R30B007	4	SALMONID	PASS	10.600 P	7.100 P	7.700 P	0.010 P	0.220 P	0.049 P
TPW - 30E	LITTLE DART	DART BRIDGE	R30E003	17	SALMONID	PASS	10.200 P	6.900 P	7.600 P	0.010 P	0.240 P	0.015 P
L2N - 32A	EAST L2N	LYNMOUTH	R32A002	14	SALMONID	PASS	10.250 P	7.300 P	7.900 P	0.010 P	0.030 P	0.011 P
L2N - 32A	WEST L2N	L2N BRIDGE	R32A003	3	SALMONID	PASS	10.450 P	7.100 P	7.700 P	0.010 P	0.020 P	0.007 P

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COMPLIANCE WITH INTERACTIVE DETERMINANDS - ENCLOSED WATERS

OUTCHMENT	ENCLOSED SURFACE WATER	USER REFERENCE NUMBER	DESIGNATION	PASS OR FAIL	DISSOLVED OXYGEN (mg/l)	pH (lower)	pH (upper)	UNIONISED AMMONIA (mg/l)	TOTAL AMMONIA (mg/l)	TOTAL ZINC (mg/l)
OUTCH - 04	SQUABOOR RESERVOIR	R04B041	SALMONID	PASS	9.800 P	6.500 P	7.000 P	0.010 P	0.040 P	0.013 P
ENE - 05	WOMBLEBAIL RESERVOIR	R05G010	SALMONID	PASS	10.650 P	7.000 P	7.500 P	0.010 P	0.050 P	0.008 P
NEIGEN - 06	FERMAGHRY RESERVOIR	R06G051	SALMONID	FAIL	10.200 P	5.300 P	6.900 P	0.010 P	0.080 P	0.009 P
	KENICK RESERVOIR	R06G048	SALMONID	PASS	10.450 P	6.400 P	7.200 P	0.010 P	0.050 P	0.010 P
	TOTTIFORD RESERVOIR	R06G049	SALMONID	PASS	10.800 P	6.400 P	7.000 P	0.010 P	0.140 P	0.008 P
	TRENCHFORD RESERVOIR	R06G050	SALMONID	FAIL	10.600 P	6.200 P	6.700 P	0.010 P	0.120 P	0.038 P
LEART - 07	VENCHORD RESERVOIR	R07H048	SALMONID	FAIL	10.100 P	5.300 P	6.400 P	0.010 P	0.070 P	0.015 P
LEA - 08	SLAPTON LEY	R08A011	CYPRINID	PASS	10.300 P	7.000 P	8.700 P	0.010 P	0.190 P	0.097 P
ALTON - 08	ALTON RESERVOIR	R08B010	SALMONID	FAIL	10.600 P	4.600 P	6.200 P	0.010 P	0.090 P	0.015 P
ELM - 11	BURRATOR RESERVOIR	R11B028	SALMONID	FAIL	10.500 P	5.800 P	7.000 P	0.010 P	0.040 P	0.006 P
THARR - 12	UPPER THARR LAKE	R12U017	SALMONID	PASS	10.450 P	7.000 P	7.500 P	0.010 P	0.680 P	0.018 P
	LOWER THARR LAKE	R12L018	CYPRINID	PASS	9.750 P	6.900 P	7.500 P	0.010 P	0.190 P	0.014 P
POWY - 15	STIEBROCK RESERVOIR	R15B033	SALMONID	FAIL	10.200 P	6.200 P	7.000 P	0.010 P	0.100 P	0.033 P
	COLLIFORD LAKE	R15C034	SALMONID	FAIL	10.250 P	5.700 P	6.300 P	0.010 P	0.100 P	0.062 P
PAL - 19	CLIFFE NO. 4 RESERVOIR	R19A033	CYPRINID	PASS	9.900 P	7.000 P	8.600 P	0.010 P	0.030 P	0.009 P
NEALIN - 21	DRIFT RESERVOIR	R21A018	SALMONID	FAIL	10.250 P	6.600 P	7.400 P	0.010 P	0.990 P	0.015 P
CONSTAL - 22	BLESOW RESERVOIR	R22A013	SALMONID	PASS	9.700 P	6.400 P	8.300 P	0.010 P	0.070 P	0.017 P
RED - 23	CHICKENMAN RESERVOIR	R23A050	SALMONID	FAIL	10.200 P	6.900 P	8.300 P	0.010 P	0.250 P	0.178 P
CHREL - 25	CHREL RESERVOIR	R25B031	SALMONID	FAIL	9.500 P	5.300 P	6.900 P	0.010 P	0.170 P	0.014 P
TORDUKE - 29	MELBURY RESERVOIR	R29A012	SALMONID	FAIL	9.950 P	6.200 P	7.480 P	0.010 P	0.060 P	0.038 P
	CHAMPTON RESERVOIR	R29A013	SALMONID	FAIL	11.250 P	7.200 P	10.000 P	0.020 P	0.250 P	0.041 P
	JENNETS RESERVOIR	R29A014	CYPRINID	PASS	9.000 P	7.200 P	8.300 P	0.010 P	0.280 P	0.008 P
	MELTON RESERVOIR	R29M053	SALMONID	FAIL	9.700 P	4.800 P	6.400 P	0.010 P	0.040 P	0.020 P
WPA - 30	WISTLANDFORD RESERVOIR	R30H008	SALMONID	PASS	10.150 P	7.200 P	7.700 P	0.010 P	0.150 P	0.005 P
CONSTAL - 31A	LOWER SLADE RESERVOIR	R31A015	SALMONID	PASS	10.950 P	7.400 P	7.800 P	0.010 P	0.420 P	0.005 P

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COMPLIANCE WITH GUIDELINE DETERMINANDS

CATCHMENT	RIVER	RIVER LOCATION	USER REFERENCE NUMBER	RM	DESIGNATION	PASS OR FAIL	DISSOLVED OXYGEN (mg/l)	SUSPENDED SOLIDS (mg/l)	BOD (mg/l)	NITRITE (mg/l)	TOTAL COPPER (mg/l)
LIM - 01A	LIM	MILL GREEN LYME REGIS	R01A002	6	SALMONID	FAIL	9.600 P	22.250 P	8.000 F	0.063 P	0.008 P
AWE - 02C	AWE	BROOM	R02C005	30	SALMONID	FAIL	8.100 P	13.417 P	4.600 P	0.094 P	0.050 F
AWE - 02B	AWE	WHITFORD BRIDGE	R02B001			FAIL	7.800 P	12.269 P	5.240 F	0.078 P	0.008 P
AWE - 02B	COLLY	COLLFORD	R02B006	10	SALMONID	FAIL	8.500 P	7.083 P	5.100 F	0.063 P	0.006 P
AWE - 02D	YARTY	A35 BRIDGE GAMMONS HILL	R02D006	16	SALMONID	PASS	8.000 P	13.417 P	4.200 P	0.057 P	0.008 P
AWE - 02D	CORRY	PRIOR TO RIVER YARTY	R02D002	5	SALMONID	PASS	8.100 P	11.167 P	3.300 P	0.066 P	0.008 P
SID - 03A	SID	STIMCOUTH	R03A003	3	SALMONID	FAIL	9.000 P	13.667 P	4.100 P	0.044 P	0.050 F
EXE - 05G	EXE	COURT FARM EXFORD	R05G001	84	SALMONID	FAIL	9.900 P	3.917 P	2.200 P	0.021 P	0.005 F
EXE - 05E	EXE	EXEBRIDGE	R05E001			FAIL	9.500 P	3.692 P	3.000 P	0.026 P	0.012 F
EXE - 05D	EXE	R EXE AT TIVERTON GAUGING STATION	R05D001			PASS	8.100 P	9.769 P	3.055 P	0.052 P	0.008 P
EXE - 05D	EXE	TREAS WEIR EXETER	R05D004			PASS	8.600 P	11.000 P	4.745 P	0.077 P	0.007 P
EXE - 05A	KENN	ROWENHAM CASTLE	R05A002	7	SALMONID	PASS	7.700 P	6.182 P	1.900 P	0.078 P	0.005 P
EXE - 05A	EXETER CANAL	A38 BRIDGE COUNTESS WEIR	R05A006	8	CYPRINID	PASS	6.400 P	5.583 P	7.100 P	0.053 P	0.008 P
EXE - 05B	CLYST	A30 BRIDGE CLYST HENTON	R05B006	3	CYPRINID	FAIL	4.500 F	5.250 P	2.900 P	0.173 P	0.000 P
EXE - 05J	CREEDX	OAKFORD FARM	R05J004	10	SALMONID	PASS	8.300 P	13.250 P	2.800 P	0.107 P	0.008 P
EXE - 05K	YED(CREEDX)	DOWNES MILL	R05K005	5	SALMONID	FAIL	5.800 F	18.200 P	3.830 P	0.090 P	0.015 P
EXE - 05C	CLUM	UPFOLINE	R05C005	13	SALMONID	PASS	9.200 P	8.385 P	3.000 P	0.057 P	0.007 P
EXE - 05D	DART (EXE)	DART BRIDGE HICKLEIGH	R05D007	8	SALMONID	FAIL	8.200 P	11.000 P	4.000 P	0.040 P	0.050 F
EXE - 05E	LOWMAN	A373 BRIDGE TIVERTON	R05X011	4	SALMONID	PASS	9.600 P	13.583 P	3.000 P	0.067 P	0.005 P
EXE - 05C	GREAT WESTERN CANAL	FENFIRE BRIDGE	R05C021	16	CYPRINID	FAIL	3.800 P	8.083 P	4.400 P	0.123 P	0.008 P
EXE - 05E	GREAT WESTERN CANAL	THE BASIN TIVERTON	R05E013			FAIL	6.800 P	38.250 F	14.000 P	0.067 P	0.060 F
EXE - 05F	BRIHERN	BOWDENHILL WOOD	R05F003	4	SALMONID	PASS	8.300 P	10.167 P	3.200 P	0.043 P	0.006 P
EXE - 05E	IRON MILL STREAM	PRIOR TO RIVER EXE	R05E008	5	SALMONID	PASS	9.400 P	6.385 P	2.200 P	0.022 P	0.007 P
EXE - 05E	BROCKLEY	BROCKSBIDGE COTTAGES	R05E012	3	SALMONID	PASS	9.000 P	8.000 P	2.100 P	0.059 P	0.005 P
EXE - 05H	BARLE	TWIR STEPS	R05H002	34	SALMONID	FAIL	10.100 P	4.500 P	2.000 P	0.009 P	0.005 F
EXE - 05H	BARLE	PERION HILL	R05H003			FAIL	10.200 P	3.500 P	1.700 P	0.007 P	0.010 F
EXE - 05H	DANES BROOK	CASTLE BRIDGE	R05H004	5	SALMONID	FAIL	9.800 P	4.167 P	2.200 P	0.008 P	0.012 F

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CRITCHMENT	RIVER	RIVER LOCATION	USER REFERENCE NUMBER	RM	DESIGNATION	PASS OR FAIL	DISSOLVED OXYGEN (mg/l)	SUSPENDED SOLIDS (mg/l)	BOD (mg/l)	NITRITE (mg/l)	TOTAL COPPER (mg/l)
ESE - 05G	HADDON	A396 BRIDGE PDY CORSE	R05G005	10	SALMONID	FAIL	9.000 P	7.500 P	2.800 P	0.031 P	0.006 F
ESE - 05G	QUARME	COPPLEHAM BRIDGE	R05G006	5	SALMONID	PASS	9.400 P	7.000 P	3.100 P	0.012 P	0.005 P
TEIGN - 06C	SOUTH TEIGN	LEIGH BRIDGE	R06C001	5	SALMONID	FAIL	8.500 P	5.818 P	1.900 P	0.011 P	0.006 F
TEIGN - 06C	NORTH TEIGN	GILLEIGH PARK HOTEL	R06C002	6	SALMONID	FAIL	9.400 P	1.727 P	1.800 P	0.011 P	0.005 F
TEIGN - 06C	TEIGN	BRIDFORD BRIDGE	R06C005	36	SALMONID	FAIL	8.800 P	4.500 P	2.700 P	0.020 P	0.012 F
TEIGN - 06B	TEIGN	WESTON	R06B001			FAIL	7.800 P	19.148 P	5.380 F	0.031 P	0.034 F
TEIGN - 06B	LEMON	BRADLEY PLAYING FIELDS NEMTON ABBOT	R06B005	9	SALMONID	FAIL	2.800 F	5.077 P	2.000 P	0.031 P	0.006 P
TEIGN - 06D	BOVEY	TWYNED FARM	R06D004	18	SALMONID	FAIL	8.100 P	6.500 P	2.200 P	0.020 P	0.007 F
DART - 07B	EAST DART	CLAPPER BRIDGE DARTMEET	R07B002	7	SALMONID	FAIL	9.900 P	2.385 P	2.300 P	0.006 P	0.007 F
DART - 07B	WEST DART	HUCKABY	R07B004	10	SALMONID	FAIL	9.600 P	2.077 P	2.600 P	0.016 P	0.006 F
DART - 07B	DART	TOINES WEIR	R07B010	27	SALMONID	PASS	7.200 P	8.769 P	3.675 P	0.113 P	0.008 P
DART - 07A	HARBORNE	BEENLEIGH	R07A003	20	SALMONID	PASS	9.200 P	8.750 P	4.100 P	0.051 P	0.006 P
DART - 07A	WASH	TUCKENWAY	R07A004	3	SALMONID	PASS	9.700 P	7.250 P	1.900 P	0.042 P	0.007 P
DART - 07B	HEMS	LITTLEHEMPTON	R07B012	3	SALMONID	FAIL	7.100 P	20.900 P	6.950 F	0.179 F	0.006 P
DART - 07B	WADDE	RAILWAY BRIDGE BUCKFASTLEIGH	R07B014	10	SALMONID	PASS	10.100 P	7.250 P	2.500 P	0.019 P	0.018 P
DART - 07B	WEST WEBBURN	ROSECRUISEY BRIDGE	R07B037	4	SALMONID	FAIL	9.400 P	2.923 P	1.800 P	0.008 P	0.005 F
DART - 07B	EAST WEBBURN	COCKINGFORD	R07B036	4	SALMONID	FAIL	9.100 P	6.846 P	2.300 P	0.013 P	0.015 F
DART - 07B	WEBBURN	BUCKLAND BRIDGE	R07B015	2	SALMONID	FAIL	9.700 P	2.769 P	2.000 P	0.007 P	0.006 P
DART - 07B	SAVINGHOPE	BRILL TO WEST DART RIVER	R07B021	2	SALMONID	FAIL	9.800 P	1.923 P	1.500 P	0.005 P	0.005 F
GARA - 08A	THE GARA	HIGHER NORTH MILL	R08A004	3	SALMONID	FAIL	7.900 P	17.417 P	5.100 F	0.051 P	0.009 P
ALTON - 08B	ALTON	BRITCH	R08B005	25	SALMONID	PASS	8.300 P	5.167 P	2.500 P	0.028 P	0.005 P
ERME - 09B	ERME	SEQUEY'S BRIDGE	R09B003	13	SALMONID	PASS	8.100 P	3.889 P	2.360 P	0.107 P	0.009 P
YEALM - 10B	YEALM	YEALM BRIDGE	R10B004	16	SALMONID	PASS	9.300 P	24.700 P	4.700 P	0.050 P	0.008 P
FLYM - 11B	FLYM	CADDOVER BRIDGE	R11B003	18	SALMONID	PASS	8.500 P	9.617 P	3.000 P	0.010 P	0.004 P
	FLYM	FLYM BRIDGE	R11B006			FAIL	8.800 P	3.728 P	3.450 P	0.010 P	0.007 F

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FLAM - 11B	MEAVY	SHAUGH (PRIOR TO RIVER FLAM)	RL1B011	9	SALMONID	FAIL	7.000 F	3.033 P	3.000 P	0.010 P	0.004 P
TAVY - 12C	TAVY	HILL BRIDGE	RL2C001	24	SALMONID	FAIL	8.400 P	4.500 P	2.300 P	0.010 P	0.007 F
		WASH FORD	RL2C005			FAIL	8.700 P	8.833 P	2.700 P	0.130 P	0.012 F
TAVY - 12D	WALKHAM	GRANDPEN BRIDGE	RL2D004	13	SALMONID	FAIL	9.400 P	6.077 P	2.500 P	0.020 P	0.005 F
TAVY - 12D	ULMBURN	SHILLAMILL (PRIOR TO RIVER TAVY)	RL2D010	7	SALMONID	FAIL	8.100 P	12.200 P	3.200 P	0.060 P	0.026 F
TAVY - 12C	BURN	PRIOR TO RIVER TAVY	RL2C008	3	SALMONID	FAIL	8.900 P	7.100 P	2.600 P	0.020 P	0.035 F
TAMAR - 12L	TAMAR	TAMPSTONE BRIDGE	RL2L002	67	SALMONID	FAIL	8.000 P	34.633 F	6.200 F	0.090 P	0.013 P
		GUNNISLAKE BRIDGE	RL2E003			FAIL	8.000 P	47.569 F	9.745 F	0.097 P	0.034 F
TAMAR - 12P	TAVY	BEALS MILL BRIDGE	RL2P006	26	SALMONID	FAIL	8.000 P	17.383 P	2.000 P	0.020 P	0.024 F
TAMAR - 12P	PENFONT WATER	TWO BRIDGES	RL2P008	9	SALMONID	FAIL	8.200 P	13.700 P	2.100 P	0.020 P	0.007 F
TAMAR - 12E	LOWLEY BROOK	LOWLEY BRIDGE	RL2E006	3	SALMONID	FAIL	8.000 P	20.583 P	5.100 F	0.050 P	0.012 P
TAMAR - 12P	LXD	LIFTON BRIDGE	RL2P002	10	SALMONID	PASS	9.200 P	5.117 P	2.200 P	0.030 P	0.009 P
TAMAR - 12G	THRUHEL	TINNEY BRIDGE	RL2G004	4	SALMONID	PASS	9.200 P	5.283 P	2.500 P	0.040 P	0.004 P
TAMAR - 12G	WOLF	PRIOR TO RIVER THRUHEL	RL2G007	12	SALMONID	FAIL	8.600 P	5.446 P	2.400 P	0.030 P	0.026 F
TAMAR - 12N	KENSEY	ST LEONARDS BRIDGE	RL2N002	9	SALMONID	FAIL	8.100 P	21.183 P	5.400 F	0.050 P	0.014 P
TAMAR - 12H	COREY	HEALE BRIDGE	RL2H002	8	SALMONID	PASS	7.700 P	10.583 P	2.400 P	0.110 P	0.005 P
TAMAR - 12M	OTTERY	HELLESCOTT BRIDGE	RL2M002	16	SALMONID	PASS	8.300 P	6.033 P	2.300 P	0.060 P	0.004 P
TAMAR - 12K	CLAW	TINICOTT BRIDGE	RL2K002	3	SALMONID	FAIL	6.700 F	10.183 P	2.700 P	1.470 F	0.008 P
TAMAR - 12K	DEER	DEER BRIDGE	RL2K005	3	SALMONID	FAIL	7.800 P	13.917 P	3.300 P	1.330 F	0.006 P
LANNER - 12Q	LANNER	WILLA MILL BRIDGE	RL2Q003	31	SALMONID	FAIL	7.400 P	9.383 P	2.300 P	0.020 P	0.022 F
		NOTER BRIDGE	RL2Q007			FAIL	8.700 P	8.831 P	3.185 P	0.037 P	0.023 F
LANNER - 12R	TIDY	TIDFORD BRIDGE	RL2R004	4	SALMONID	FAIL	7.700 P	10.873 P	2.100 P	0.060 P	0.061 F
LANNER - 12Q	WIDNEY BROOK	PRIOR TO RIVER LANNER	RL2Q008	7	SALMONID	PASS	8.900 P	4.667 P	2.100 P	0.010 P	0.003 P
SEATON - 13A	SEATON	SEATON BRIDGE	RL3A005	15	SALMONID	FAIL	7.000 F	8.744 P	2.500 P	0.060 P	0.091 F
LOOE - 14C	WEST LOOE	SOWDEN'S BRIDGE	RL4C003	5	SALMONID	FAIL	8.200 P	27.517 F	8.200 F	0.060 P	0.023 F
POWEY - 15B	POWEY	DRAYNES BRIDGE	RL5B002	25	SALMONID	FAIL	8.600 P	3.192 P	2.600 P	0.010 P	0.005 P

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	POWEY	RESTORMEL	R15B006			FAIL	9.000 P	7.975 P	2.375 P	0.018 P	0.008 F
POWEY - 15B	WARTLEIGHAN	FRATER'S BRIDGE	R15B009	11	SALMONID	FAIL	9.400 P	16.383 P	2.900 P	0.020 P	0.015 F
POWEY - 15B	ST. NEDT	TWO WATERS FOOT	R15B008	9	SALMONID	FAIL	8.000 P	9.575 P	2.225 P	0.020 P	0.017 P
COASTAL - 18A	CADWAS STREAM	CADWAS BEACH BRIDGE	R18A002	7	SALMONID	FAIL	6.800 F	7.817 P	2.500 P	0.040 P	0.005 P
FAL - 19D	TRESILLIAN	TRESONGAR BRIDGE	R19C002	6	SALMONID	PASS	8.800 P	7.450 P	2.700 P	0.060 P	0.004 P
FAL - 19E	ALLEN	MORESK LAUNDRY BRIDGE	R19C004	2	SALMONID	PASS	8.300 P	8.055 P	2.400 P	0.060 P	0.005 P
FAL - 19D	KOWAN	BOSVIGO BRIDGE	R19C007	2	SALMONID	PASS	9.200 P	10.100 P	2.700 P	0.030 P	0.007 P
FAL - 19D	CALENICK STREAM	CALENICK BRIDGE	R19C006	2	SALMONID	FAIL	8.100 P	10.000 P	2.700 P	0.030 P	0.042 F
FAL - 19E	KENWALL	STICKEN BRIDGE	R19E007	8	SALMONID	FAIL	4.500 F	7.250 P	3.400 P	0.350 F	0.008 P
COBER - 20A	COBER	LOWER TOWN BRIDGE	R20A003	7	SALMONID	FAIL	9.000 P	4.985 P	2.400 P	0.020 P	0.017 F
COASTAL - 21A	ROSEMOORAN STREAM	A30 BRIDGE AT CHANDOUR	R21A008	3	SALMONID	PASS	7.900 P	5.633 P	1.700 P	0.020 P	0.005 P
COASTAL - 21A	NEWLIN	NEWLIN BRIDGE	R21A005	7	SALMONID	FAIL	7.600 P	8.233 P	5.300 F	0.060 P	0.009 P
COASTAL - 21A	LAMORNA STREAM	LAMORNA	R21A011	3	SALMONID	PASS	9.200 P	4.985 P	1.900 P	0.040 P	0.007 P
HAYLE - 22A	JANGRACK STREAM	PHILLACK - COPPERHOUSE	R22A001	2	SALMONID	PASS	7.500 P	7.167 P	2.600 P	0.030 P	0.056 P
COASTAL - 23A	FERRANFORTH STREAM	PLEASURE GARDENS FERRANFORTH	R23A012	3	SALMONID	FAIL	7.600 P	12.300 P	3.300 P	0.100 P	0.048 F
CMEL - 25A	FORTH STREAM	RITALTON BRIDGE	R25A005	5	SALMONID	PASS	7.900 P	8.533 P	2.300 P	0.070 P	0.007 P
CMEL - 25A	MENNAHOL	MWAGN FORTH BRIDGE	R25A003	7	SALMONID	FAIL	6.600 F	12.850 P	3.500 P	0.160 F	0.111 F
CMEL - 25B	CMEL	GAM BRIDGE	R25B003	28	SALMONID	FAIL	9.000 P	23.183 P	3.500 P	0.040 P	0.007 F
CMEL - 25B	CMEL	GROGLEY	R25B008			FAIL	7.900 P	16.867 P	6.700 F	0.150 F	0.012 P
CMEL - 25D	ALLEN	SLADESBIDGE	R25D003	12	SALMONID	PASS	8.100 P	9.617 P	2.600 P	0.020 P	0.006 P
CMEL - 25B	ST. LAWRENCE STR.	A30 BRIDGE	R25B017	2	SALMONID	FAIL	8.300 P	19.467 P	5.700 F	0.070 P	0.033 F
CMEL - 25C	DE LANK	KEY BRIDGE	R25C002	10	SALMONID	FAIL	9.500 P	5.683 P	2.500 P	0.010 P	0.014 F
VALENCY - 26A	VALENCY	BOSCASTLE BRIDGE	R26A003	3	SALMONID	PASS	9.500 P	21.000 P	2.900 P	0.040 P	0.010 P
STRET/NEET - 27A	BLIDE CNAL	FALON BRIDGE	R27A010	3.7	CYPRINID	PASS	6.000 P	18.933 P	3.000 P	0.090 P	0.005 F
COASTAL - 27A	COOMBE VALLEY	LUCKPOOL COTTAGE	R27A011	2	SALMONID	PASS	9.800 P	6.783 P	3.000 P	0.040 P	0.004 P

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TORRIDGE - 29C	TORRIDGE	KINGSLEY MILL	R29C003	70	SALMONID	PASS	8.400 P	11.667 P	2.800 P	0.040 P	0.006 P
TORRIDGE - 29B	TORRIDGE	NEWBRIDGE	R29B001			FAIL	8.900 P	10.667 P	4.400 P	0.042 P	0.007 P
TORRIDGE - 29B	TORRIDGE	BEAM BRIDGE	R29B034			PASS	8.800 P	14.385 P	4.000 P	0.041 P	0.014 P
TORRIDGE - 29A	VED	HEALE HOUSE	R29A003	8	SALMONID	PASS	9.000 P	24.083 P	3.200 P	0.050 P	0.010 P
TORRIDGE - 29A	QUINTZ	ORLEIGH MILLS	R29A005	4	SALMONID	PASS	8.100 P	19.417 P	4.300 P	0.044 P	0.006 P
TORRIDGE - 29A	LYDELAND WATER	LYDELAND WAYER	R29A006	2	SALMONID	FAIL	9.000 P	15.417 P	3.500 P	0.038 P	0.009 P
TORRIDGE - 29B	MEHE	GREYWOOD	R29B009	4	SALMONID	PASS	7.700 P	20.450 P	3.300 P	0.059 P	0.006 P
TORRIDGE - 29D	EAST CREMENT	A30 BRIDGE AT ONSHAMPTON	R29D001	5	SALMONID	FAIL	9.100 P	2.417 P	2.000 P	0.005 P	0.005 P
TORRIDGE - 29D	WEST CREMENT	ONSHAMPTON HOSPITAL	R29D002	5	SALMONID	FAIL	10.200 P	3.750 P	1.800 P	0.007 P	0.027 P
TORRIDGE - 29D	CREMENT	MOCHALL BRIDGE	R29D005	17	SALMONID	FAIL	9.500 P	3.250 P	4.700 P	0.027 P	0.005 P
TORRIDGE - 29C	LEW	LEWER BRIDGE	R29C009	10	SALMONID	FAIL	6.800 P	7.333 P	2.300 P	0.069 P	0.006 P
TORRIDGE - 29C	WALDEN	HENSCOTT BRIDGE	R29C012	6	SALMONID	FAIL	7.800 P	19.385 P	6.900 P	0.052 P	0.009 P
TORRIDGE - 29C	DIPPLE WATER	DIPPLE BRIDGE	R29C013	2	SALMONID	FAIL	6.200 P	10.250 P	6.000 P	0.225 P	0.008 P
TW - 30C	TW	TW BRIDGE	R30C005	63	SALMONID	PASS	8.600 P	4.500 P	2.600 P	0.124 P	0.008 P
TW - 30B	TW	NEWHAM BRIDGE	R30B003			FAIL	7.600 P	10.750 P	6.000 P	0.050 P	0.050 P
TW - 30B	TW	RIVER TW AT CHAPELTON FOOTBRIDGE	R30B014			PASS	7.700 P	24.917 P	4.900 P	0.035 P	0.007 P
TW - 30A	CHEN	VELLOR BRIDGE	R30A002	8	SALMONID	FAIL	6.200 P	23.364 P	6.800 P	0.060 P	0.009 P
TW - 30A	KNOWL WATER	OLD RAILWAY BRIDGE	R30A006	3	SALMONID	PASS	8.200 P	23.333 P	4.000 P	0.063 P	0.007 P
TW - 30A	BRADFORD WATER	BLAKENELL	R30A001	8	SALMONID	FAIL	8.800 P	17.250 P	6.000 P	0.060 P	0.007 P
TW - 30H	VED(BARNSTABLE)	COLLARDS BRIDGE	R30H006	13	SALMONID	PASS	9.800 P	7.667 P	2.600 P	0.025 P	0.005 P
TW - 30H	ROE STREAM	LOCHRE BRIDGE	R30H004	8	SALMONID	FAIL	9.400 P	7.833 P	2.300 P	0.058 P	0.005 P
TW - 30A	VENN	BISHOPS TWITON	R30A004	3	SALMONID	FAIL	7.500 P	90.750 P	8.200 P	0.037 P	0.050 P
TW - 30B	LANGHAM LAKE	LANGHAM BRIDGE	R30B006	4	SALMONID	FAIL	7.100 P	11.818 P	6.000 P	0.036 P	0.050 P
TW - 30F	MOLE	NEW BRIDGE	R30F004	28	SALMONID	FAIL	8.600 P	15.727 P	3.200 P	0.047 P	0.050 P
TW - 30F	MOLE	HEAD BARTON	R30F006			PASS	8.400 P	9.333 P	2.000 P	0.050 P	0.009 P
TW - 30G	BRAY	MEEHE BARTON	R30G004	18	SALMONID	PASS	9.000 P	12.667 P	2.200 P	0.017 P	0.007 P

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TPW - 30G	HOLEWATER (MOLLAND)	LINGLEHAM BRIDGE	R30G005	4	SALMONID	FAIL	9.800 P	5.667 P	1.800 P	0.009 P	0.010 F
TPW - 30F	LITTLE SILVER	ALSWEAR	R30F011	2	SALMONID	PASS	8.200 P	5.167 P	2.200 P	0.035 P	0.005 P
TPW - 30F	CHOOKED ONK	A373 BRIDGE AT ALSWEAR	R30F007	3	SALMONID	FAIL	6.000 F	18.550 P	5.740 F	0.043 P	0.008 P
TPW - 30F	YED(MOLLAND)	GILLSTONE	R30F009	14	SALMONID	FAIL	7.500 P	10.417 P	3.400 P	0.035 P	0.006 F
TPW - 30B	MULLY BROOK	HANGFORD BRIDGE	R30B007	4	SALMONID	PASS	7.300 P	6.833 P	3.400 P	0.037 P	0.006 P
TPW - 30E	LITTLE DART	DART BRIDGE	R30E003	17	SALMONID	PASS	7.200 P	4.167 P	3.000 P	0.063 P	0.007 P
L2N - 32A	EAST L2N	L2N CULH	R32N002	14	SALMONID	FAIL	9.500 P	1.667 P	1.300 P	0.006 P	0.005 F
L2N - 32A	WEST L2N	L2N BRIDGE	R32N003	3	SALMONID	FAIL	5.200 F	1.833 P	2.000 P	0.010 P	0.007 F

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CATCHMENT	ENCLOSED SURFACE WATER	USER REFERENCE NUMBER	DESIGNATION	PASS OR FAIL	DISSOLVED OXYGEN (mg/l)	SUSPENDED SOLIDS (mg/l)	BOD (mg/l)	NITRITE (mg/l)	TOTAL COPPER (mg/l)
OTTER - 04	SQUAMOR RESERVOIR	R04B041	SALMONID	FAIL	9.000 P	4.000 P	2.000 P	0.008 P	0.010 F
EXE - 05	WIMLEBALL RESERVOIR	R05G010	SALMONID	FAIL	8.000 P	4.167 P	2.100 P	0.051 P	0.011 F
TEIGN - 06	FERNWORTHY RESERVOIR	R06C051	SALMONID	FAIL	8.900 P	22.273 P	2.000 P	0.016 P	0.010 F
	KENICK RESERVOIR	R06C048	SALMONID	FAIL	6.700 F	2.667 P	3.100 P	0.013 P	0.006 F
	TOTTIFORD RESERVOIR	R06C049	SALMONID	FAIL	9.000 P	1.917 P	2.100 P	0.013 P	0.009 F
	TRENCHFORD RESERVOIR	R06C050	SALMONID	FAIL	5.700 F	2.667 P	2.100 P	0.010 P	0.010 F
DAFT - 07	VENFORD RESERVOIR	R07B048	SALMONID	FAIL	9.100 P	2.539 P	1.800 P	0.008 P	0.005 F
GARA - 08	SLAPTON LEY	R08A011	CYPRINID	FAIL	5.000 F	16.250 P	7.900 P	0.043 P	0.014 P
AVON - 08	AVON RESERVOIR	R08B010	SALMONID	FAIL	8.000 P	3.667 P	1.900 P	0.008 P	0.005 F
FLM - 11	BURRATOR RESERVOIR	R11B028	SALMONID	FAIL	4.900 F	3.333 P	3.200 P	0.010 P	0.003 P
TAMAR - 12	UPPER TAMAR LAKE	R12L017	SALMONID	FAIL	4.500 F	10.617 P	5.600 F	0.050 P	0.006 P
	LOWER TAMAR LAKE	R12L018	CYPRINID	PASS	6.700 P	19.067 P	4.800 P	0.050 P	0.006 P
PONEY - 15	SIDELYPACK RESERVOIR	R15B033	SALMONID	FAIL	7.800 P	2.633 P	2.200 P	0.010 P	0.005 F
	COLLIPOND LAKE	R15B034	SALMONID	FAIL	6.600 F	5.567 P	2.100 P	0.010 P	0.005 F
FAL - 19	COLLEGE NO.4 RESERVOIR	R19A033	CYPRINID	FAIL	8.400 P	15.850 P	8.600 F	0.020 P	0.004 P
NEWLEN - 21	DRIFT RESERVOIR	R21A018	SALMONID	FAIL	8.100 P	7.300 P	2.400 P	0.030 P	0.033 F
COASTAL - 22	BLOSSOM RESERVOIR	R22A013	SALMONID	FAIL	7.800 P	4.433 P	3.100 P	0.010 P	0.009 F
RED - 23	CHAGENWIN RESERVOIR	R23A050	SALMONID	FAIL	6.700 P	2.862 P	2.900 P	0.040 P	0.024 F
COWEL - 25	CROWDY RESERVOIR	R25B031	SALMONID	FAIL	7.400 P	16.546 P	3.400 P	0.050 P	0.007 F
TORRIDGE - 29	MELBURY RESERVOIR	R29A012	SALMONID	FAIL	8.700 P	4.167 P	3.000 P	0.015 P	0.005 F
	GAMPHORN RESERVOIR	R29A013	SALMONID	FAIL	9.100 P	8.667 P	8.900 F	0.098 P	0.005 P
	JENNETTS RESERVOIR	R29A014	CYPRINID	PASS	6.800 P	13.167 P	5.500 P	0.045 P	0.006 P
	MILDON RESERVOIR	R29C053	SALMONID	FAIL	8.700 P	1.167 P	1.800 P	0.012 P	0.020 F
TRW - 30	WISTLANDPOND RESERVOIR	R30H008	SALMONID	FAIL	9.700 P	2.333 P	2.000 P	0.016 P	0.005 F
COASTAL - 31A	LOWER SLADE RESERVOIR	R31A015	SALMONID	PASS	8.500 P	5.333 P	2.100 P	0.034 P	0.009 P

APPENDIX 3

Catchment Compliance with 'I' Values

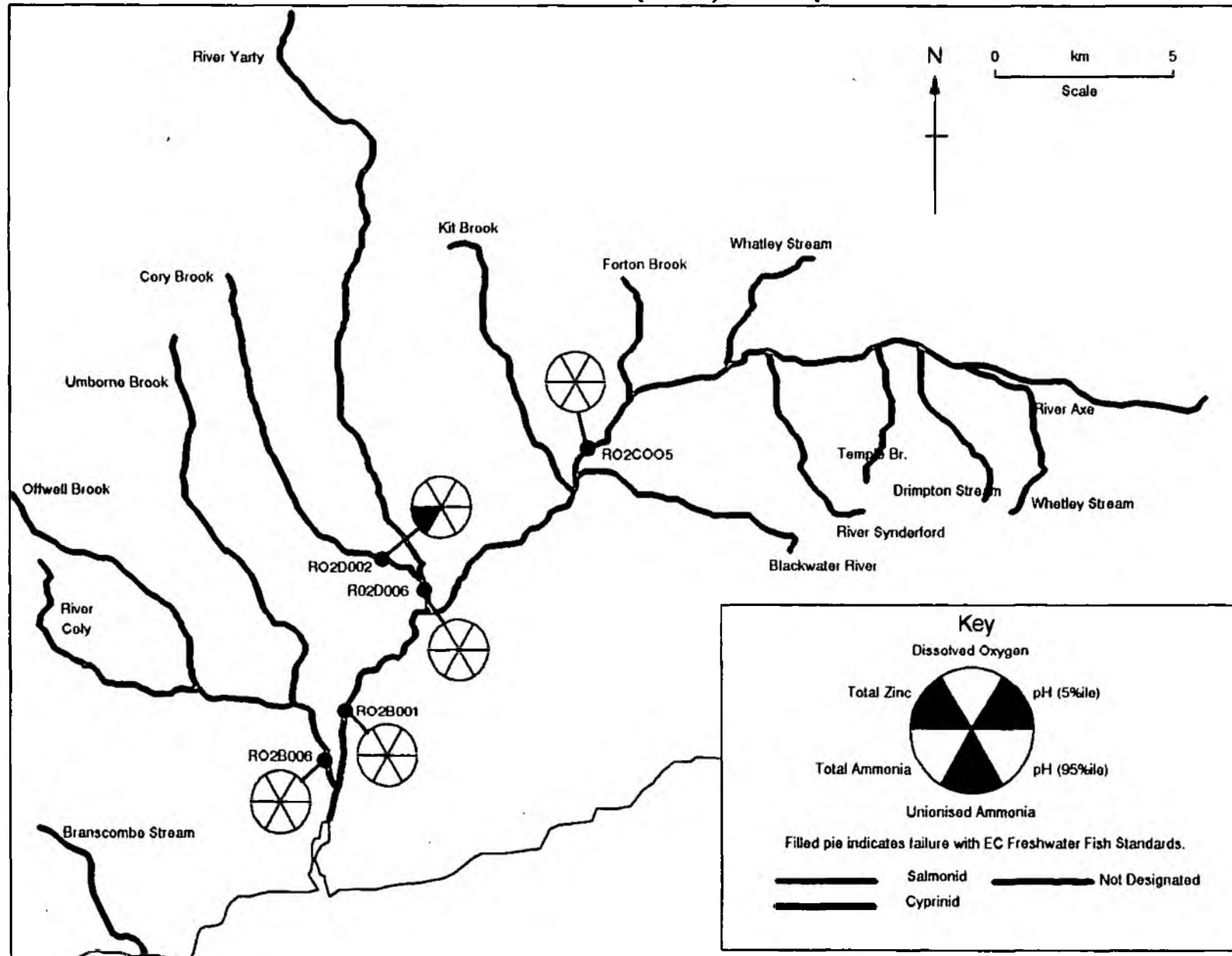
Lim Catchment

EC Freshwater Fish Directive (1990) - Compliance with 'I' Values



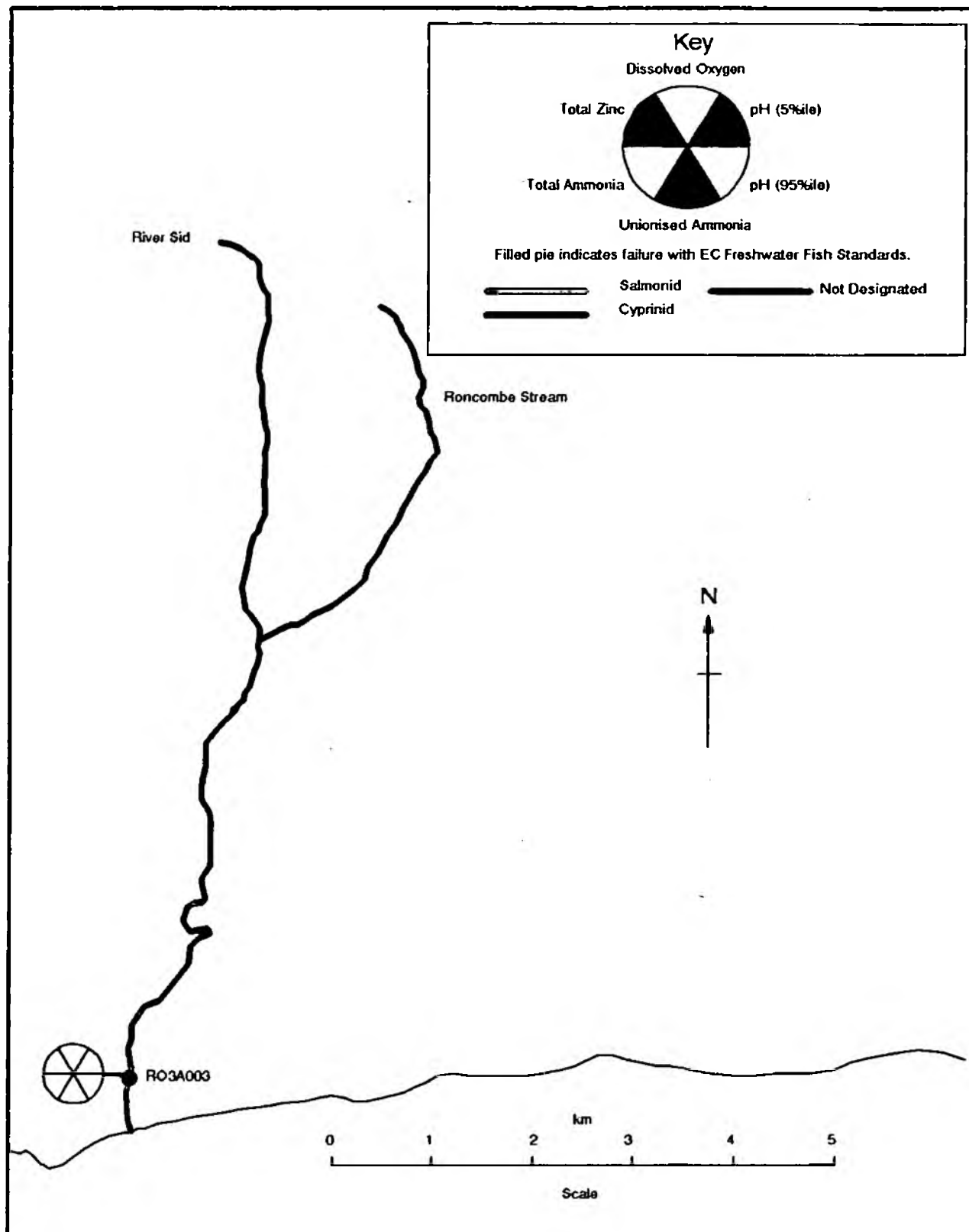
Axe Catchment

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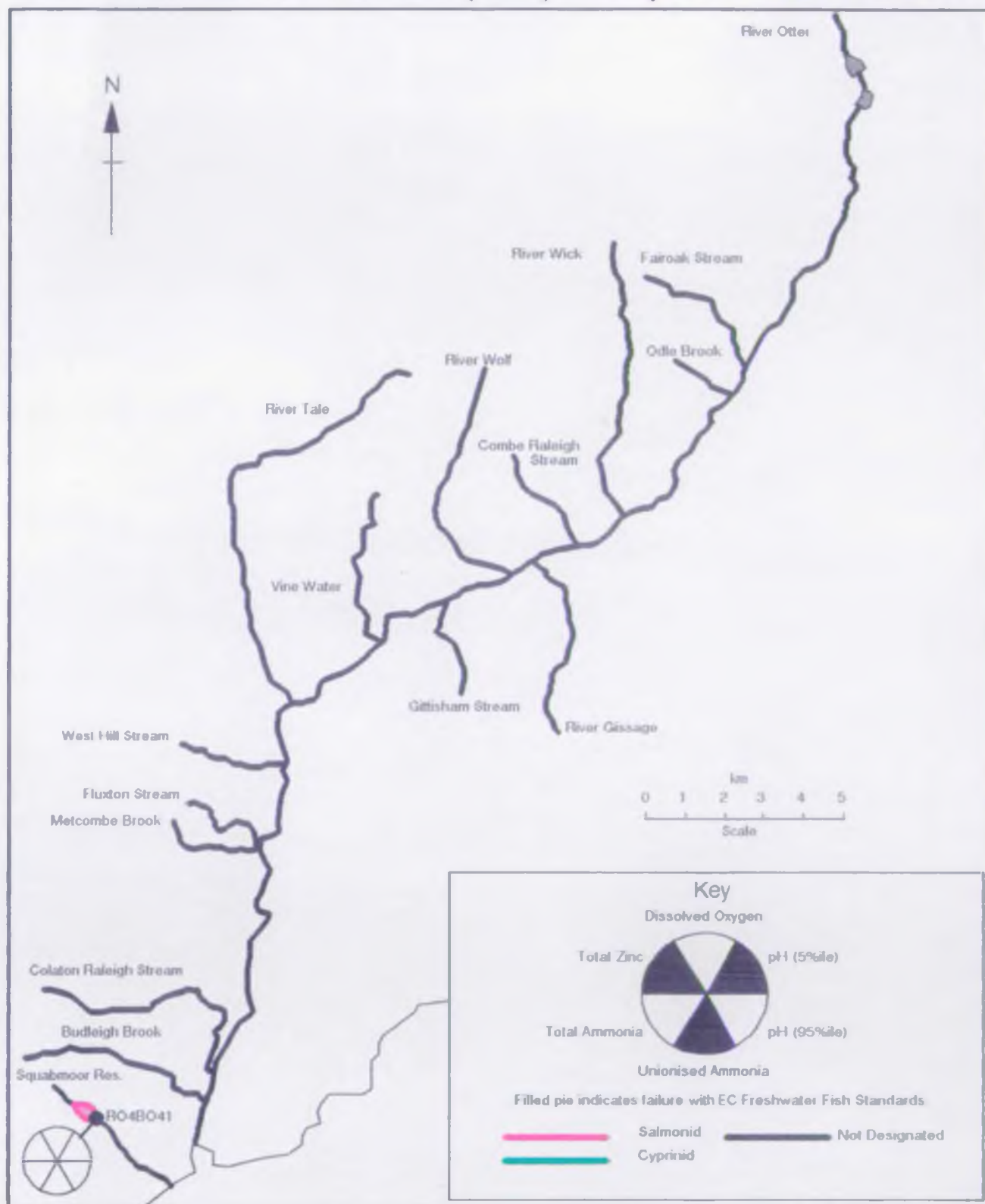


Sid Catchment

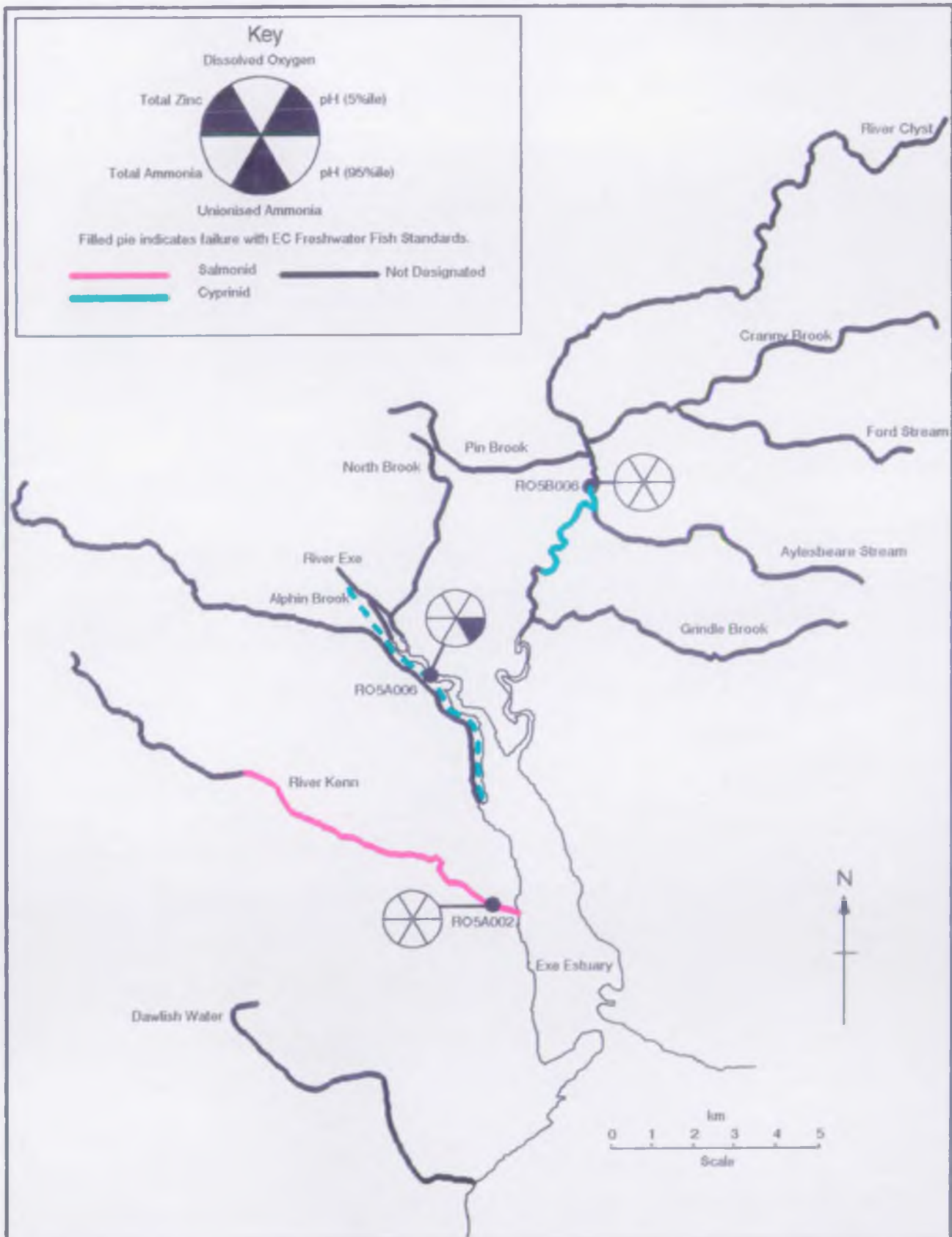
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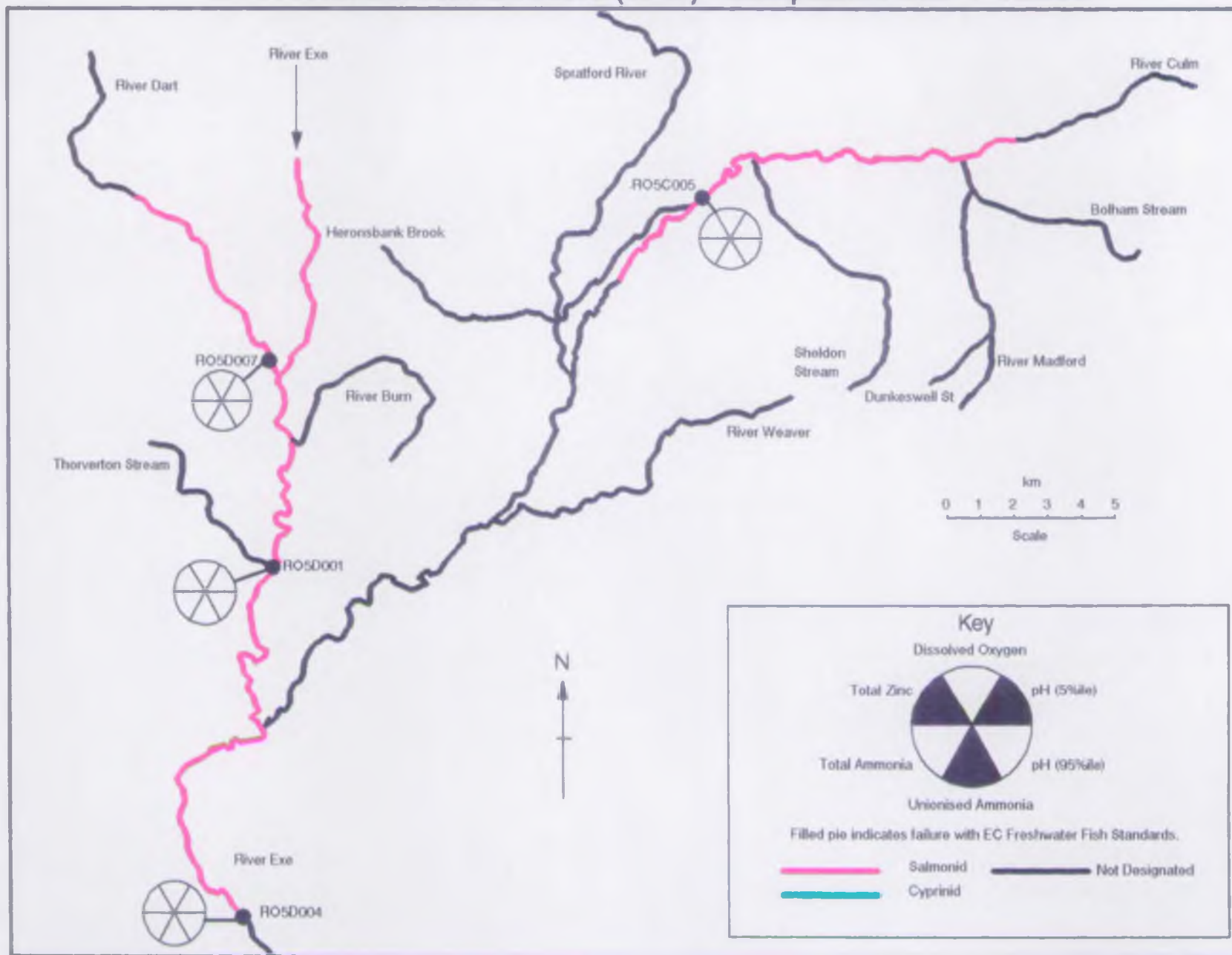
Otter Catchment **EC Freshwater Fish Directive (1990) - Compliance With 'I' Values**



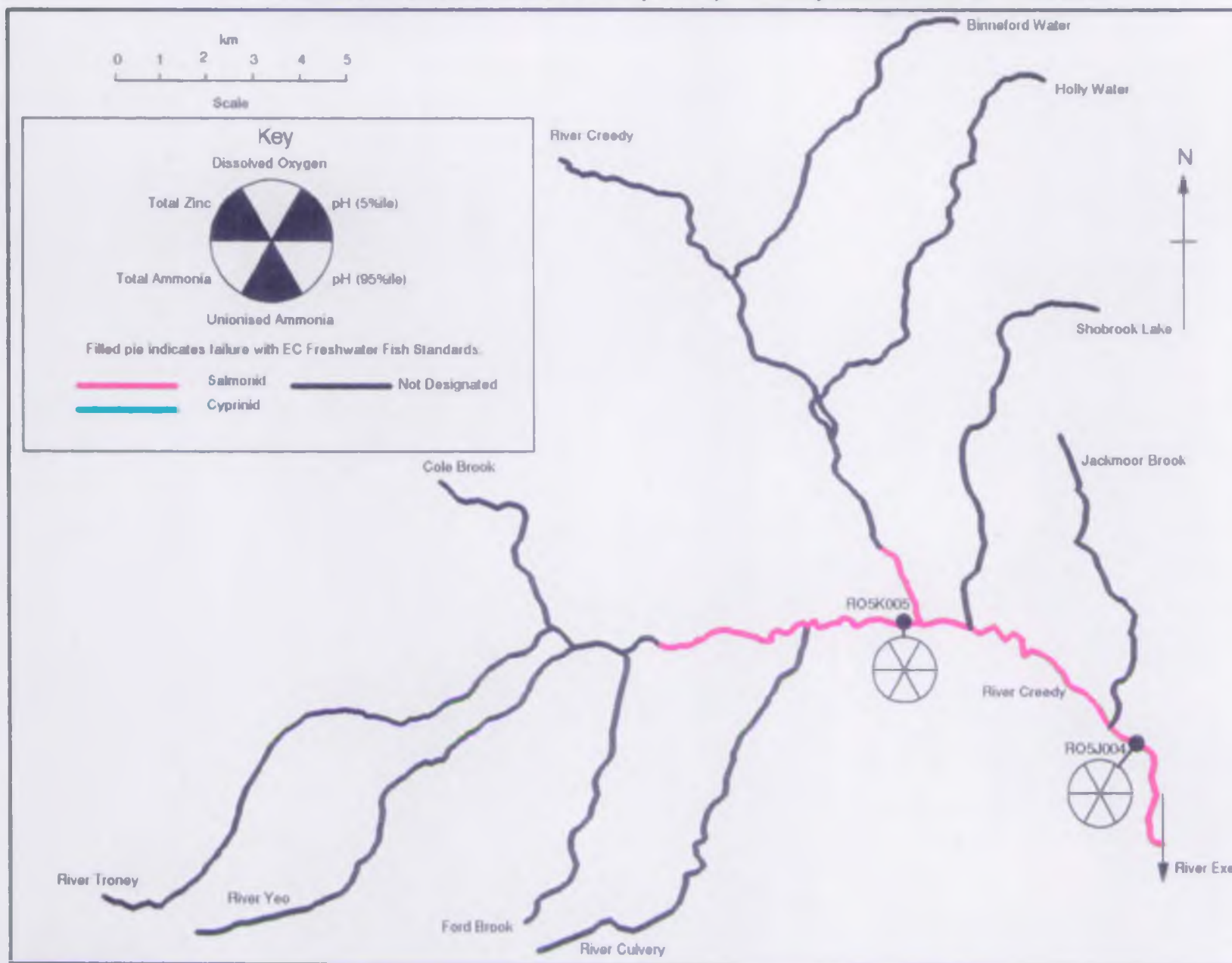
Exe Estuary and Clyst Catchments EC Freshwater Fish Directive (1990) - Compliance With 'I' Values



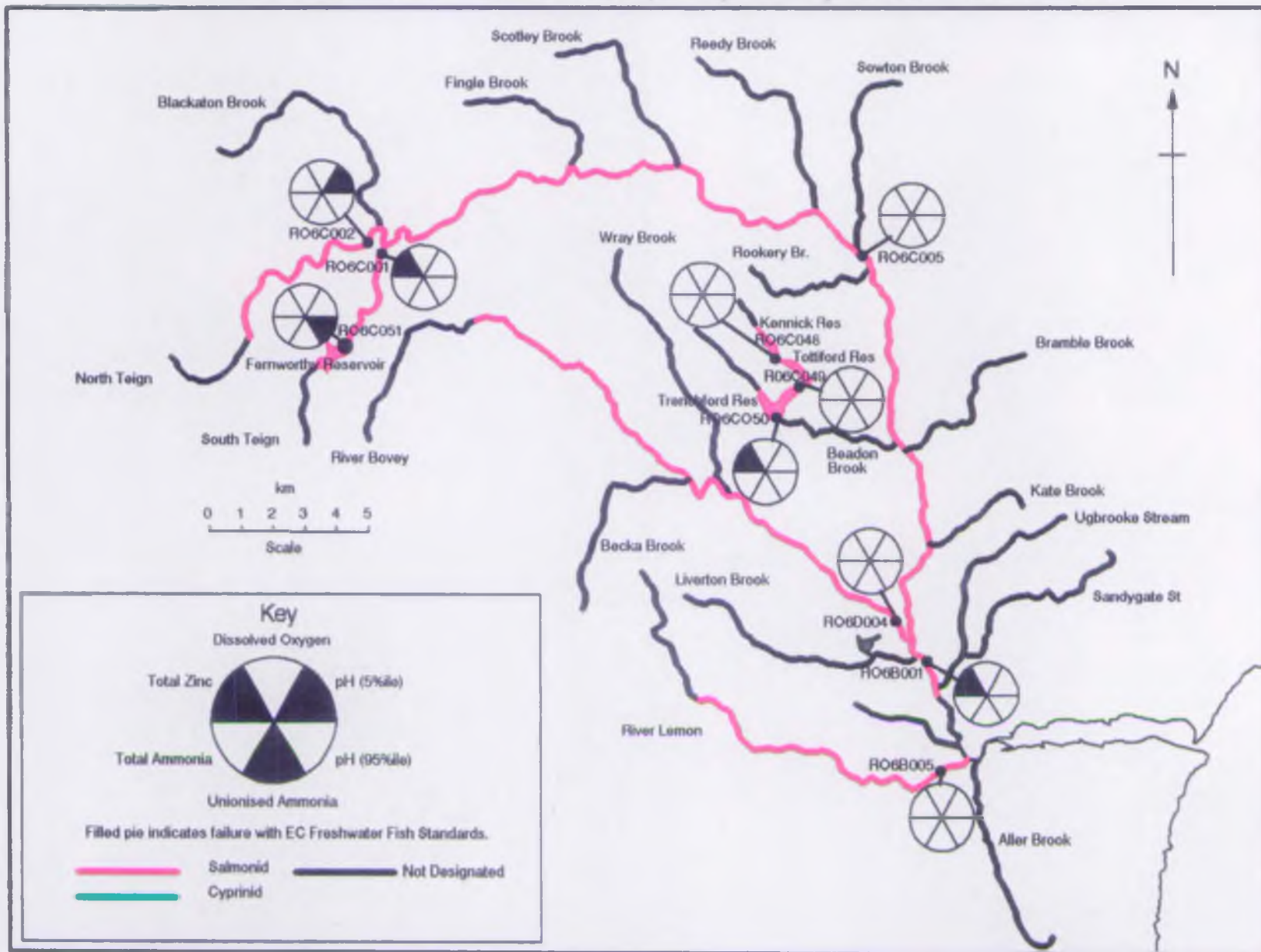
Culm and Little Dart Catchments EC Freshwater Fish Directive (1990) - Compliance With 'I' Values



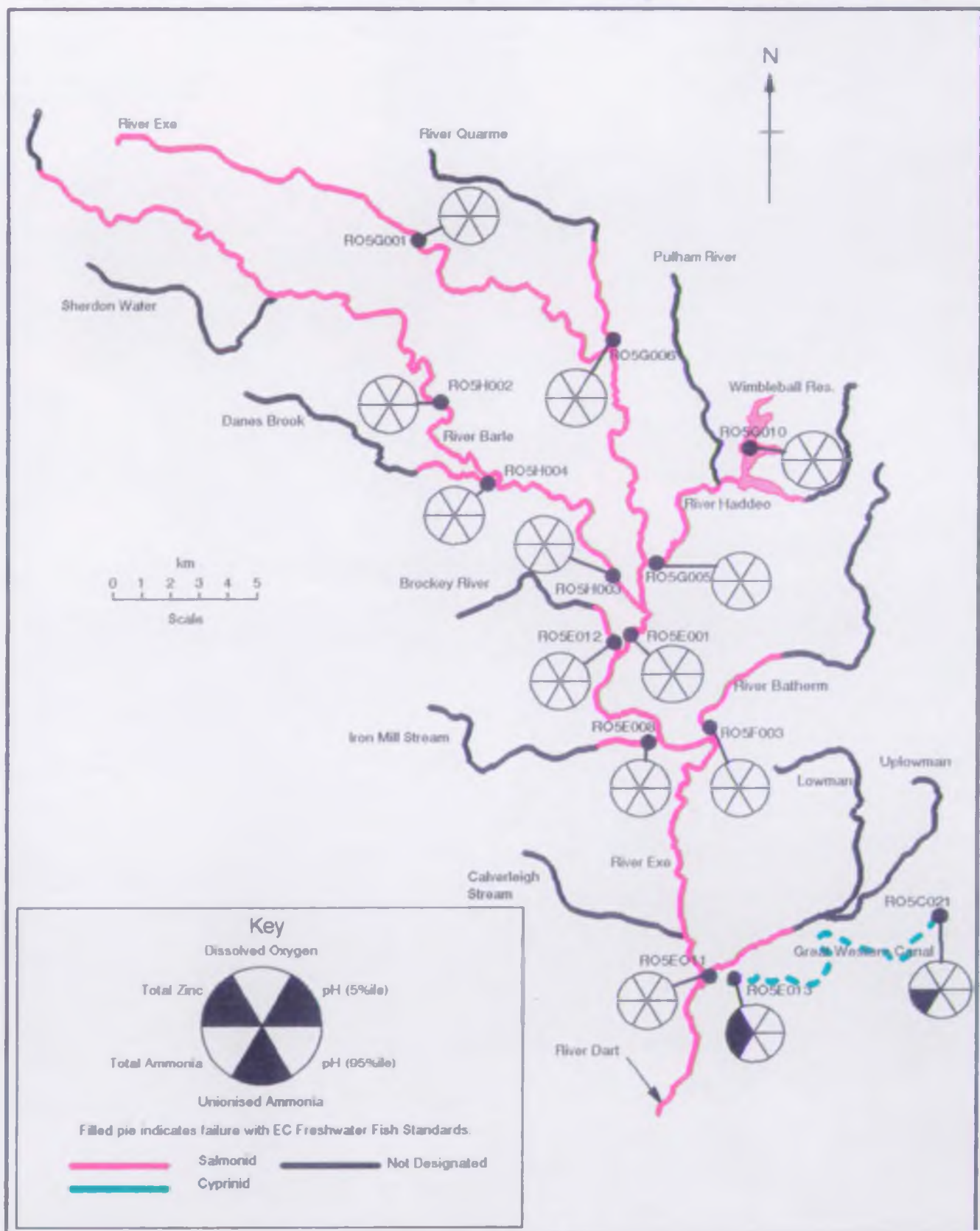
Yeo & Creedy Catchments EC Freshwater Fish Directive (1990) - Compliance With 'I' Values



Teign Catchment EC Freshwater Fish Directive (1990) - Compliance With 'I' Values

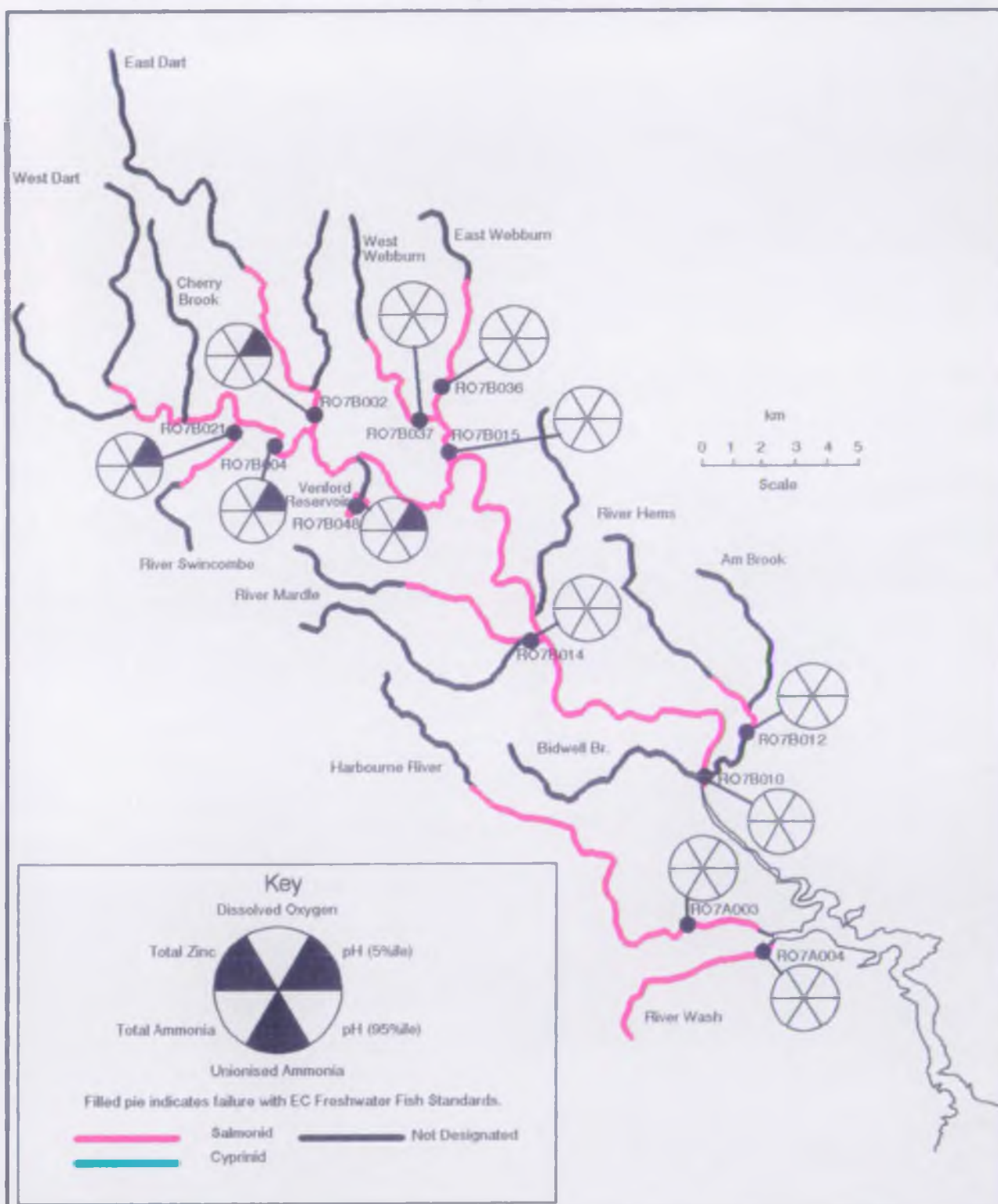


Upper Exe Catchment EC Freshwater Fish Directive (1990) - Compliance With 'I' Values

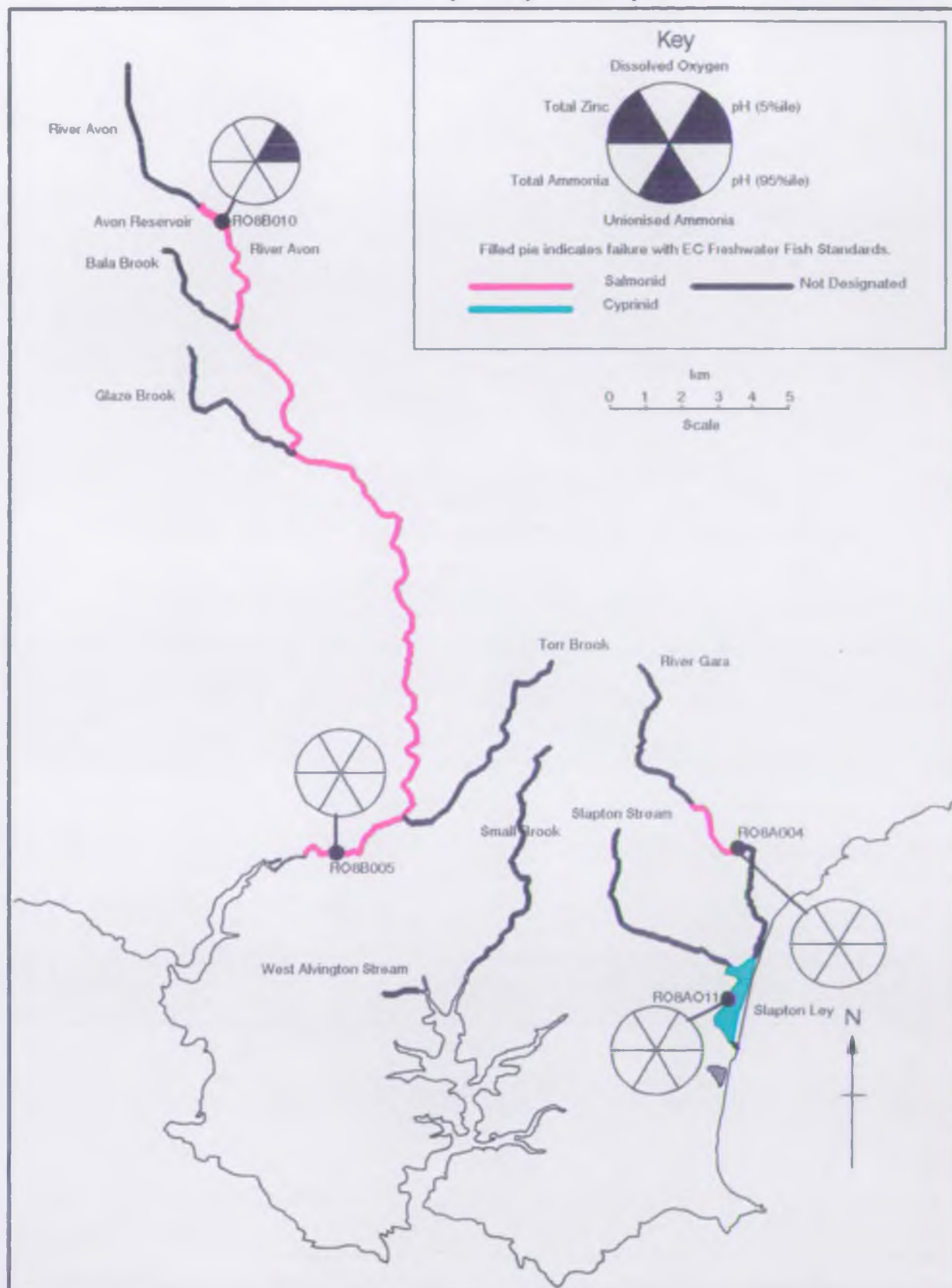


Dart Catchment

EC Freshwater Fish Directive (1990) - Compliance With 'I' Values

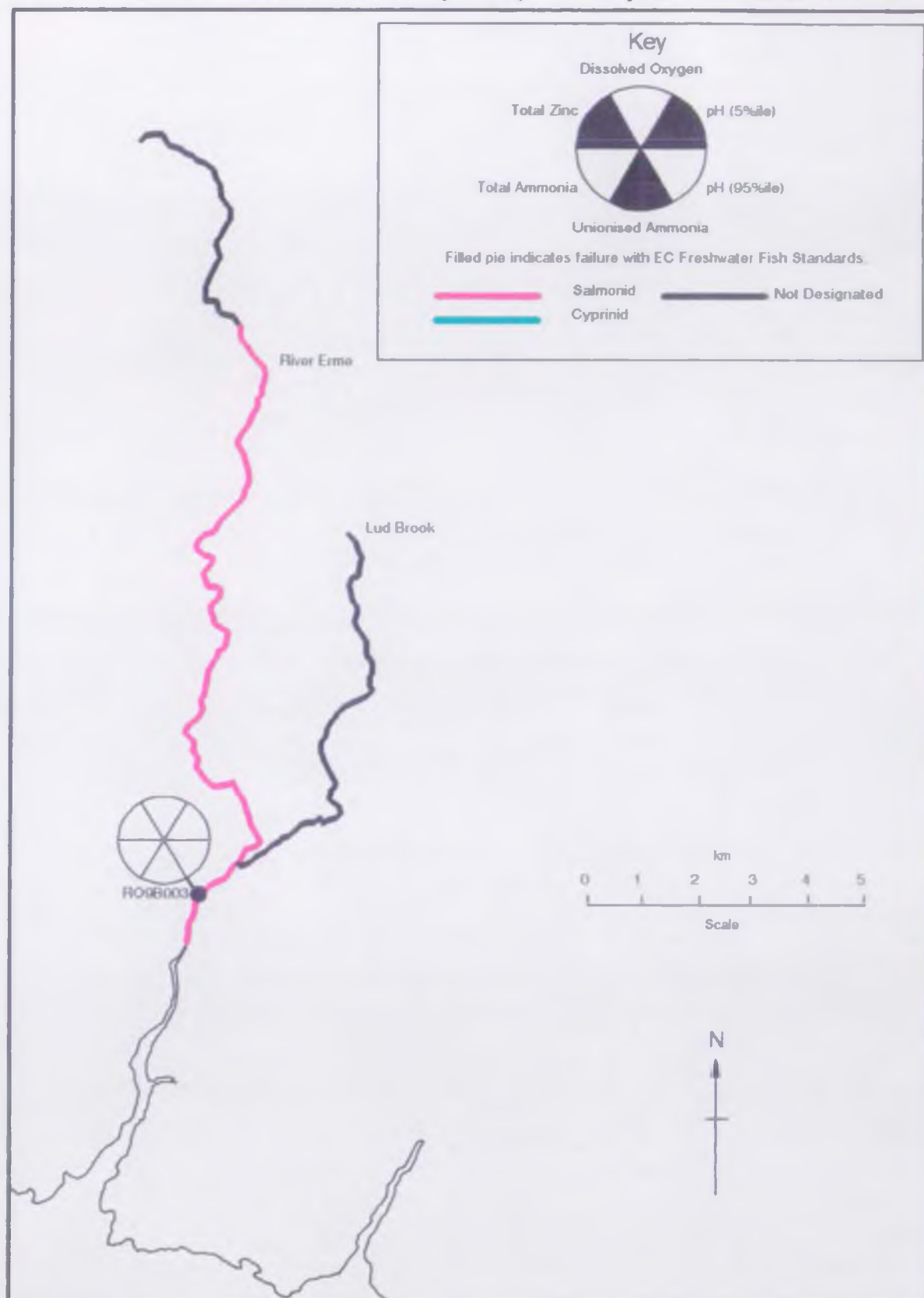


Avon Catchment EC Freshwater Fish Directive (1990) - Compliance With 'I' Values

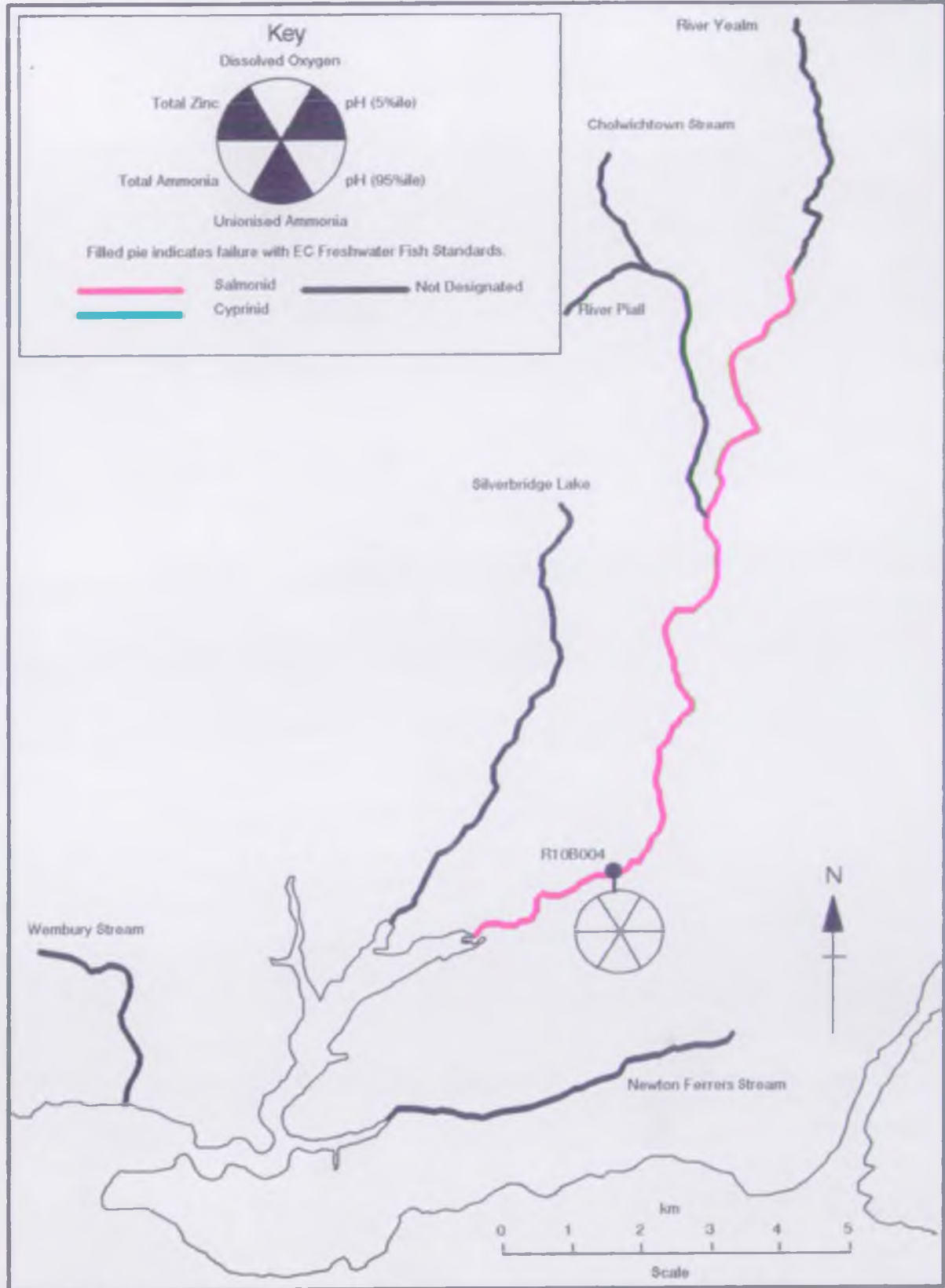


Erme Catchment

EC Freshwater Fish Directive (1990) - Compliance With 'I' Values

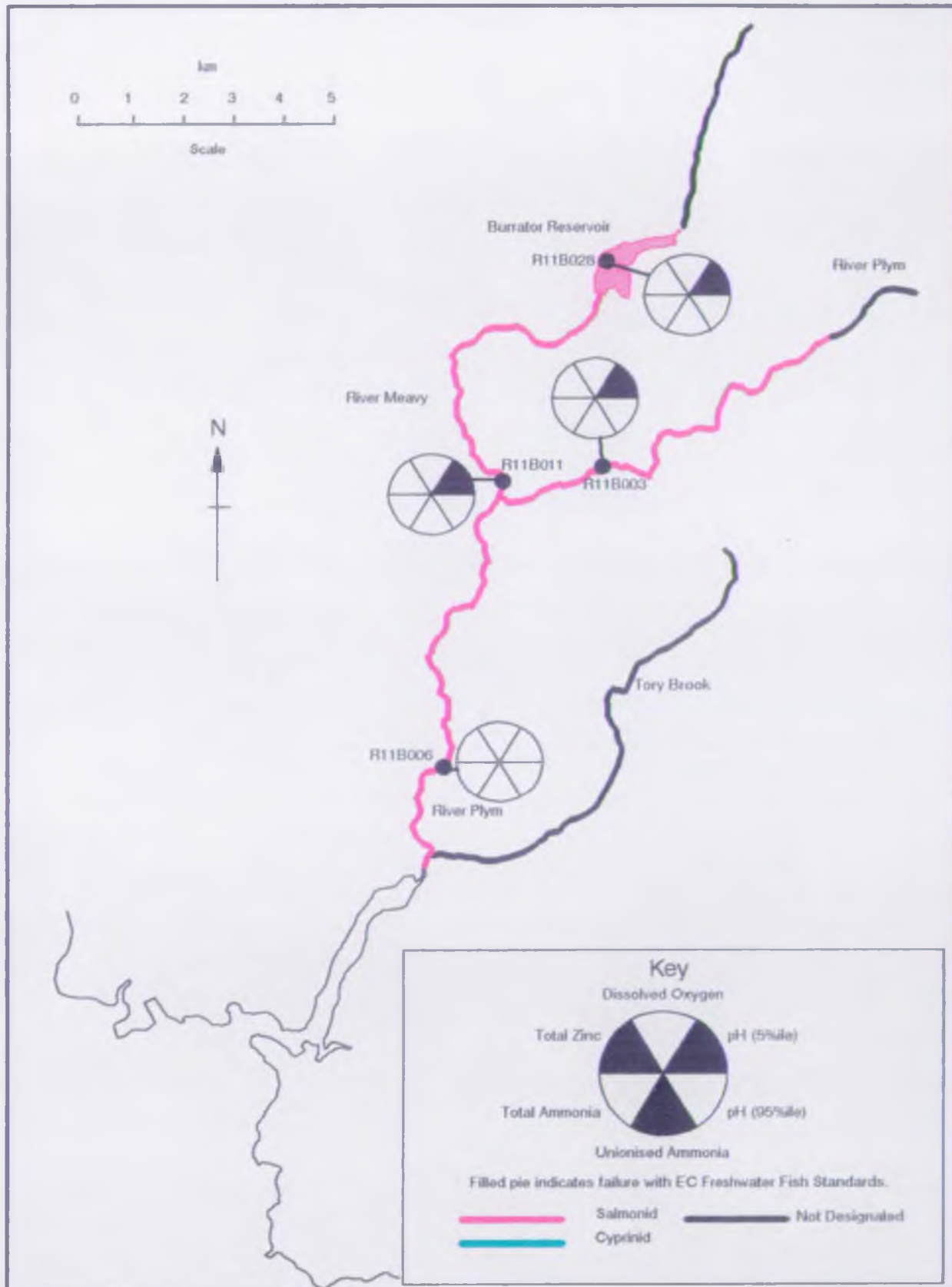


Yealm Catchment
EC Freshwater Fish Directive (1990) - Compliance With 'I' Values



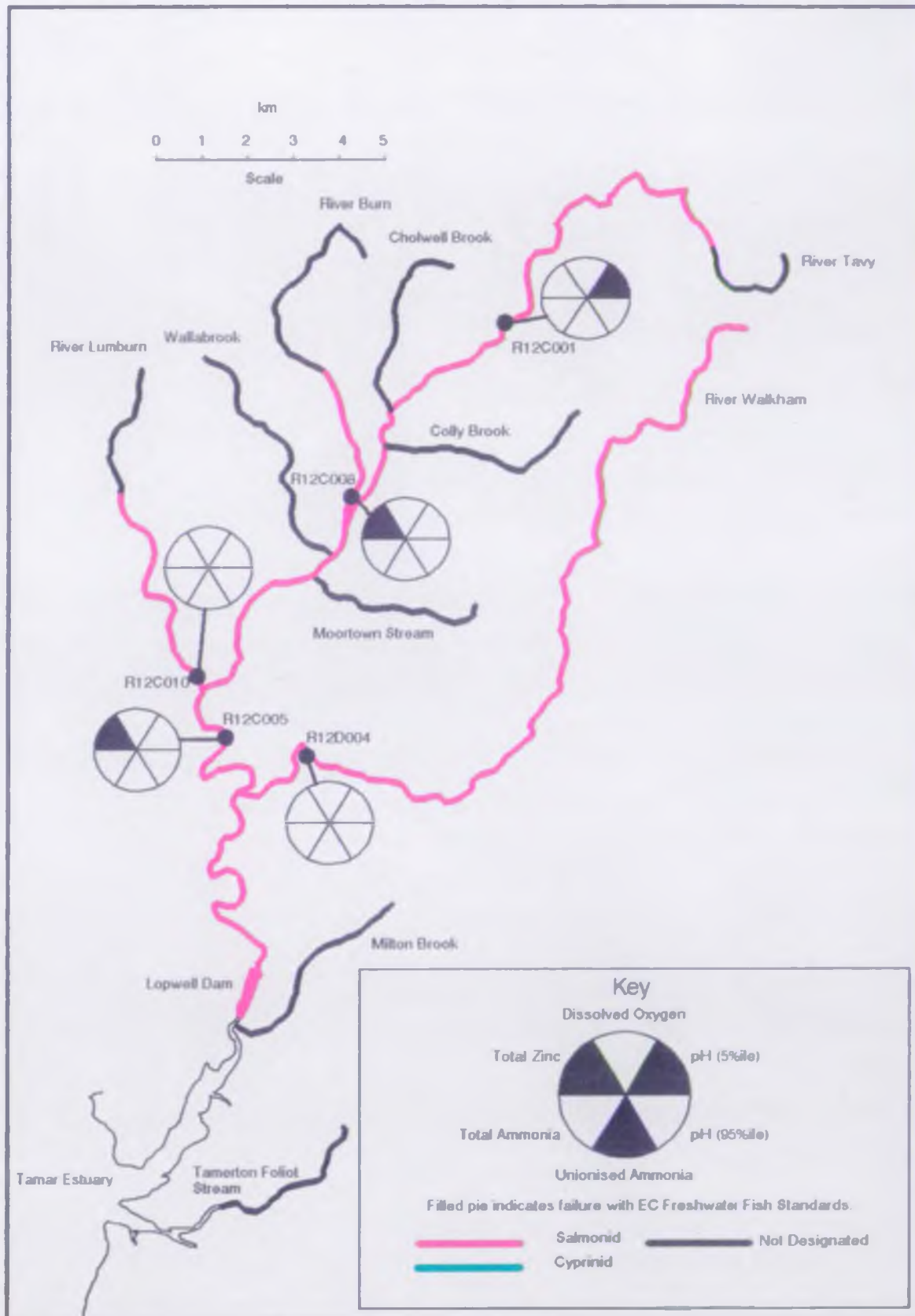
Plym Catchment

EC Freshwater Fish Directive (1990) - Compliance With 'I' Values

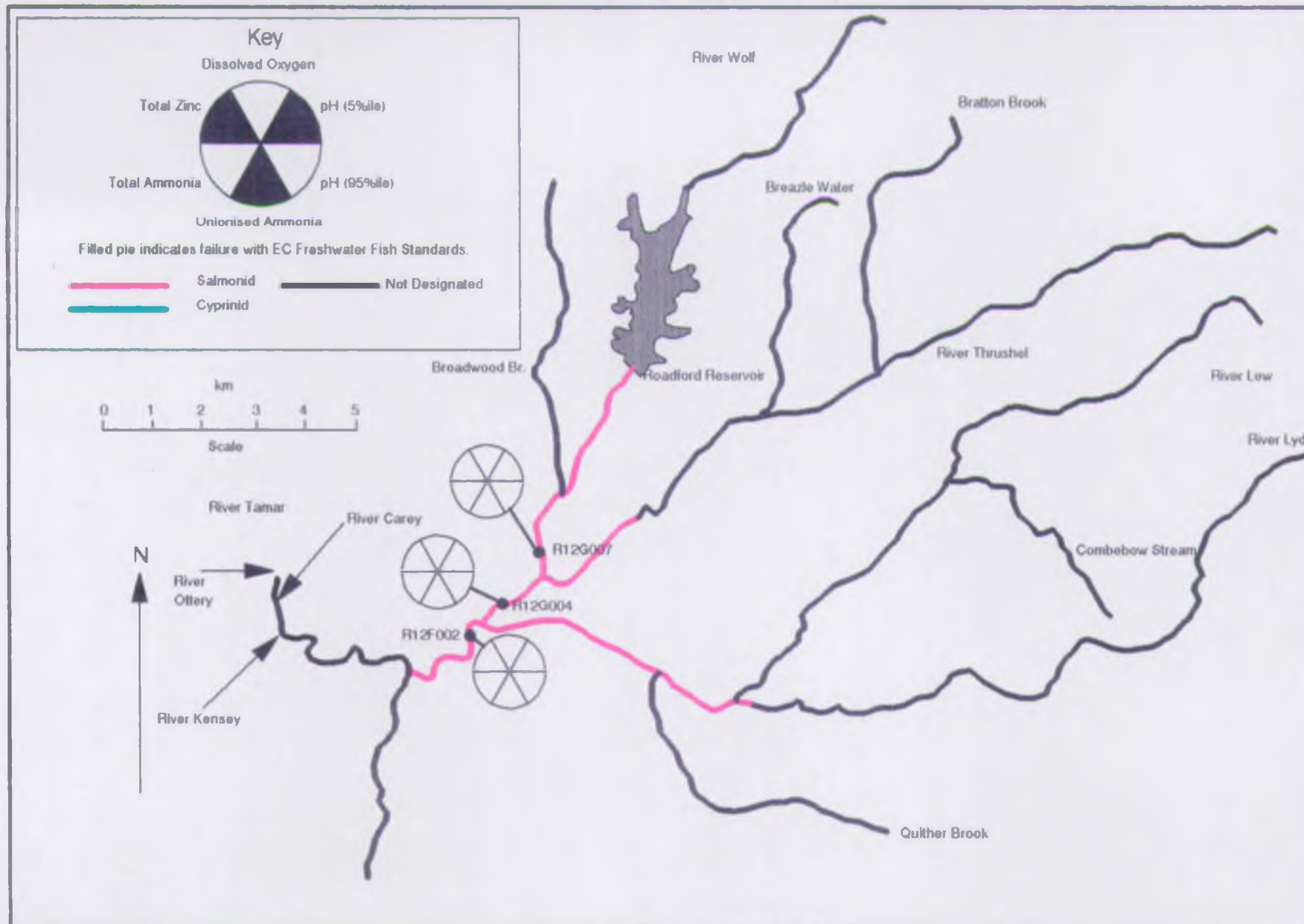


Tavy Catchment

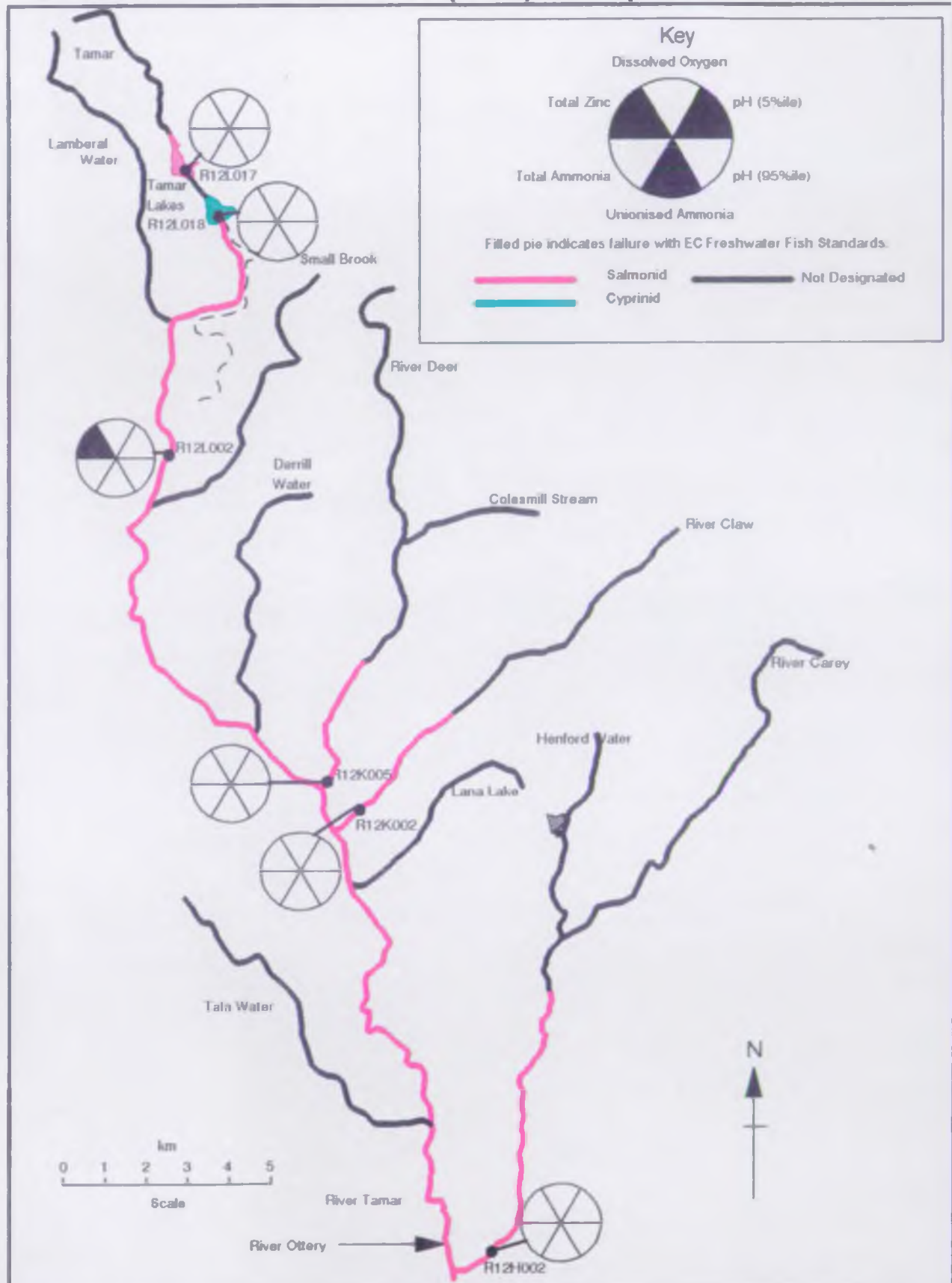
EC Freshwater Fish Directive (1990) - Compliance With 'I' Values



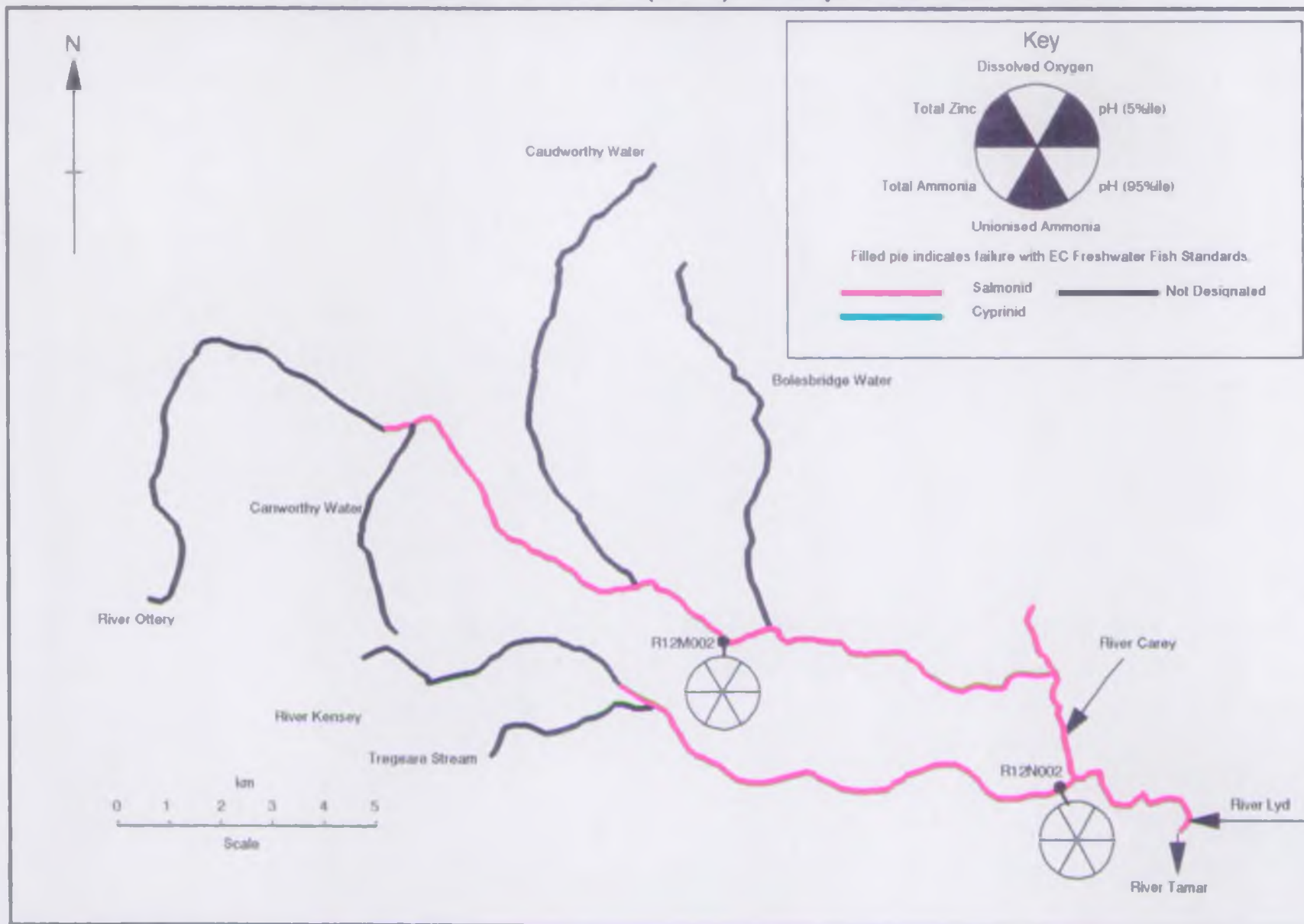
Lyd, Thrushel & Wolf Catchments **EC Freshwater Fish Directive (1990) - Compliance With 'I' Values**



Upper Tamar Catchment EC Freshwater Fish Directive (1990) - Compliance With 'I' Values

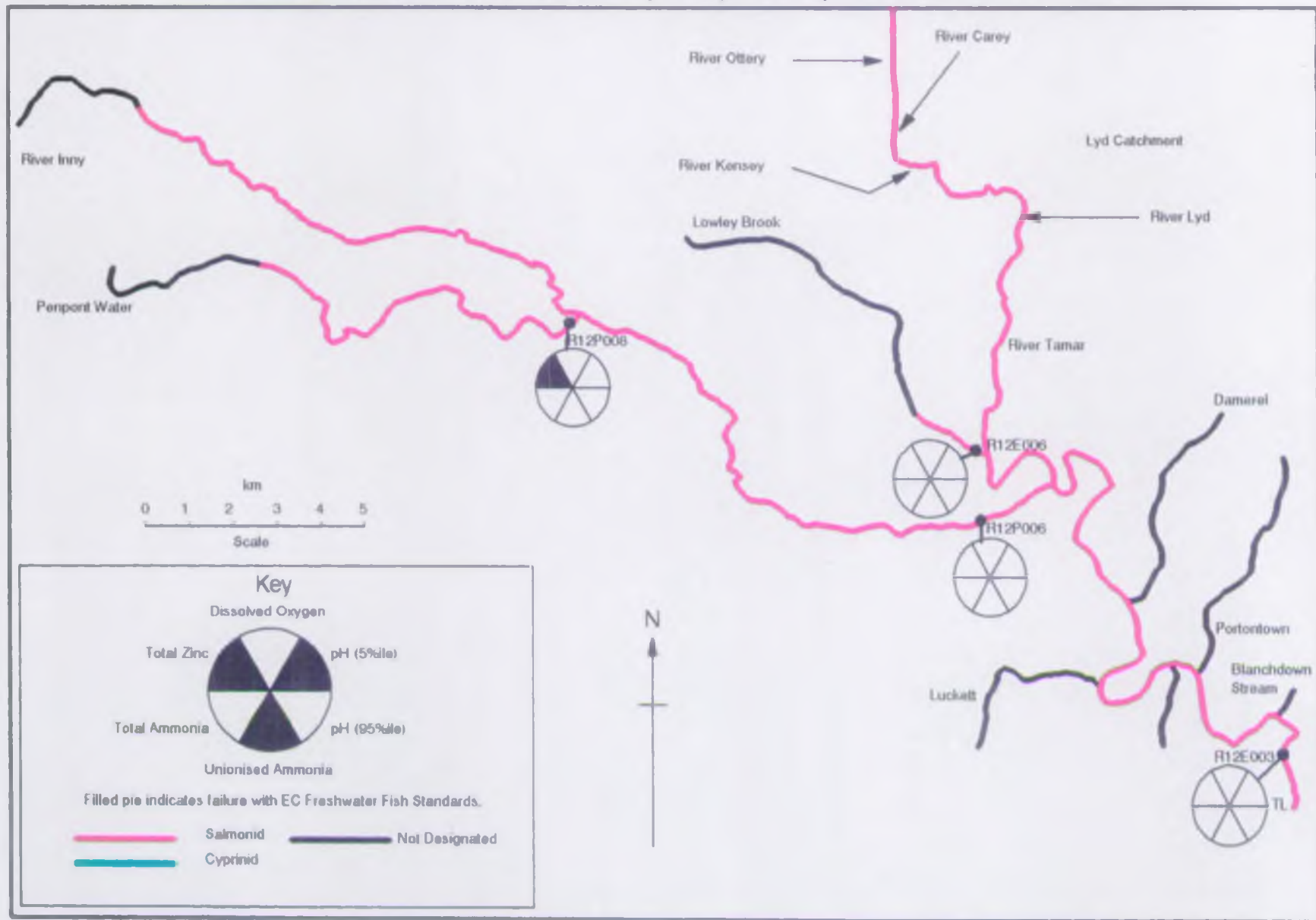


Ottery & Kensey Catchments EC Freshwater Fish Directive (1990) - Compliance With 'I' Values



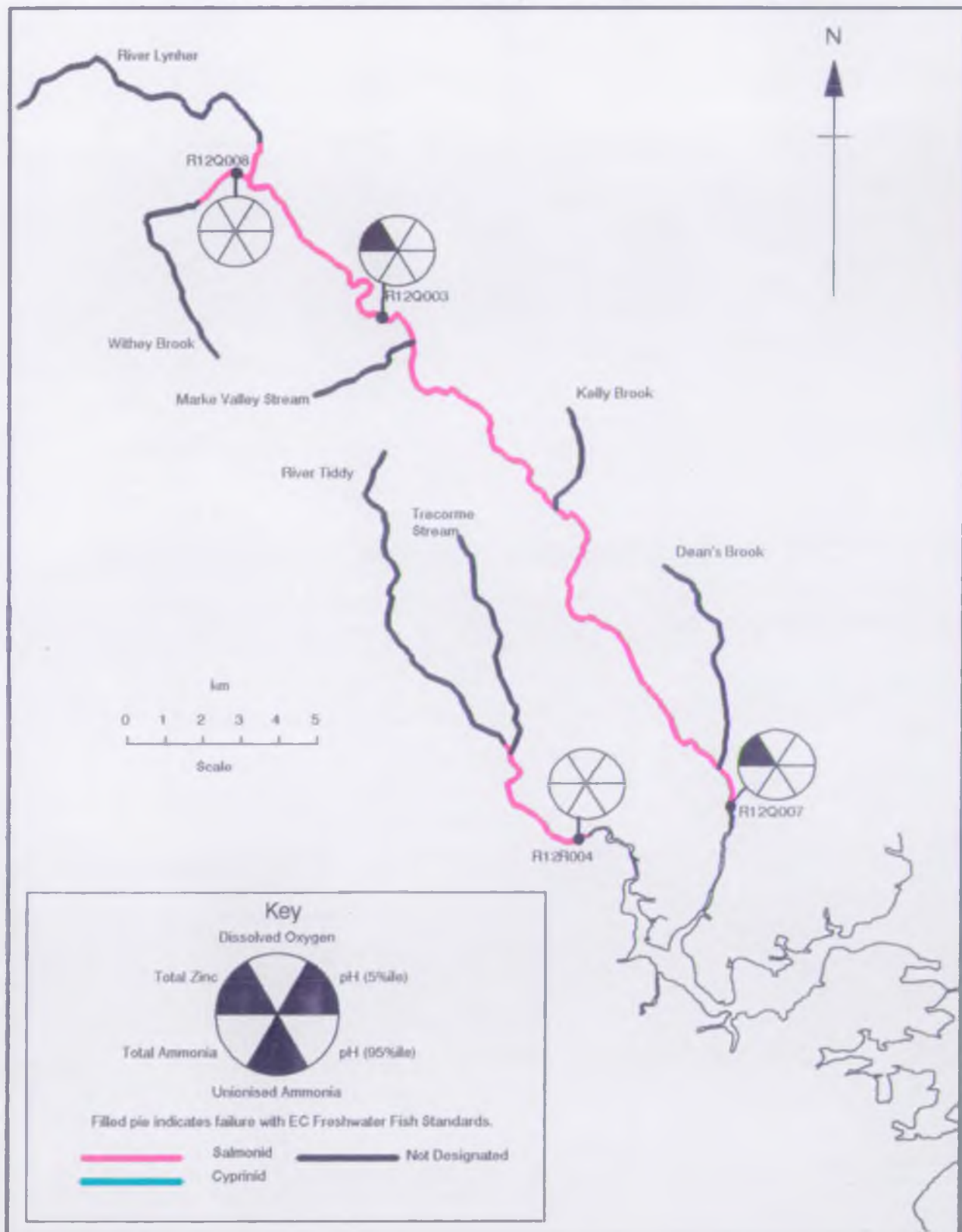
Inny Catchment

EC Freshwater Fish Directive (1990) - Compliance With 'I' Values



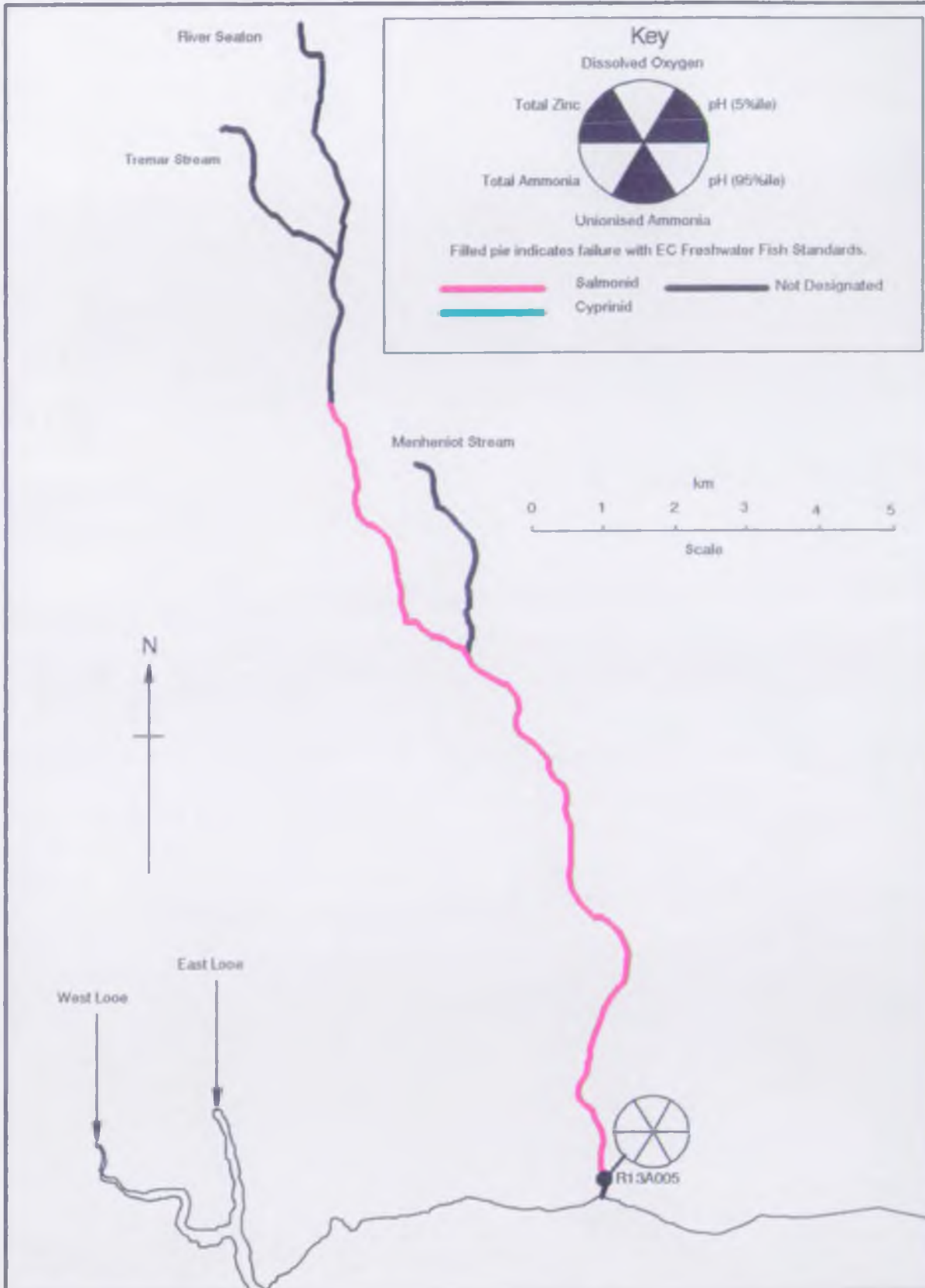
Lynher Catchment

EC Freshwater Fish Directive (1990) - Compliance With 'I' Values



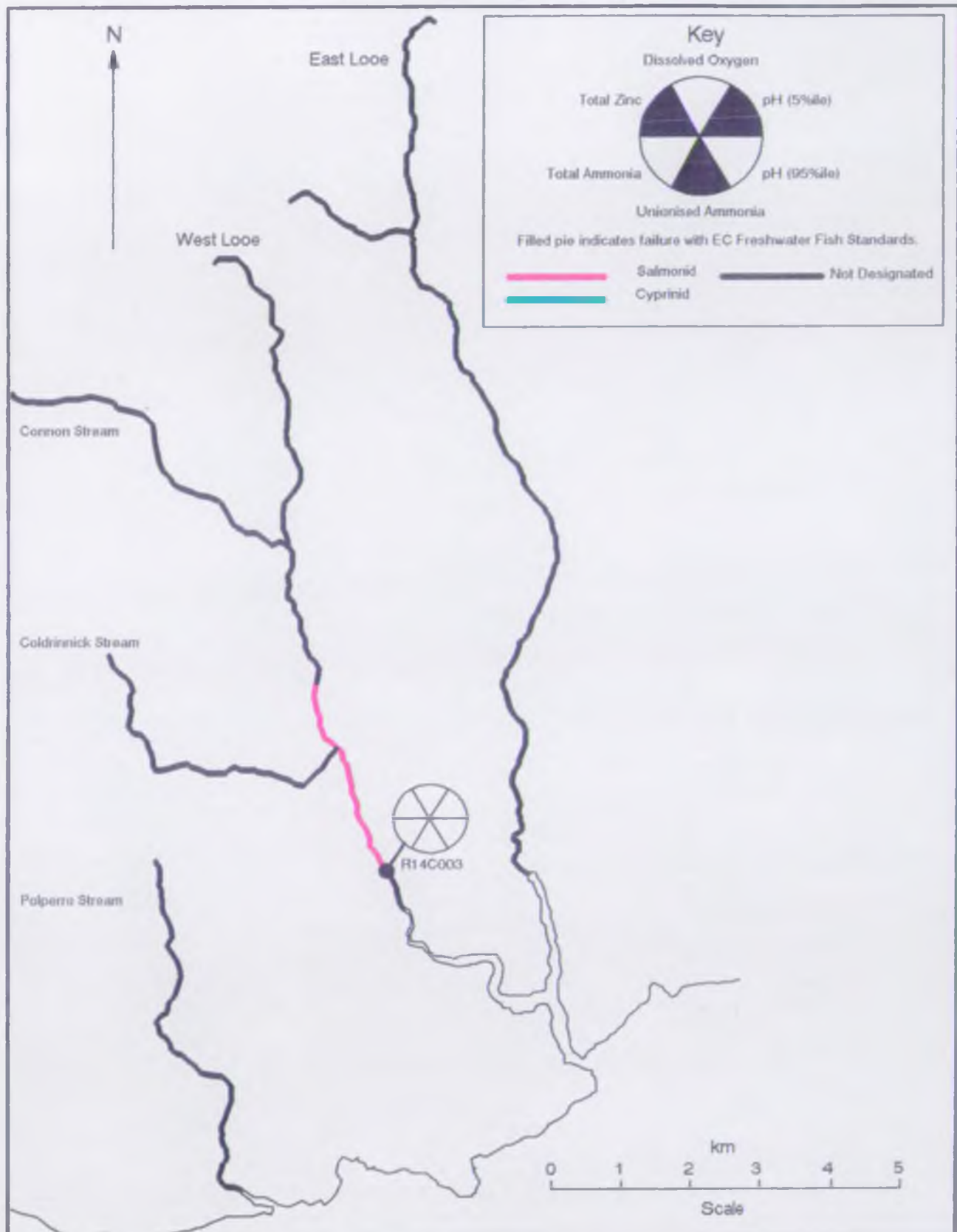
Seaton Catchment

EC Freshwater Fish Directive (1990) - Compliance With 'I' Values



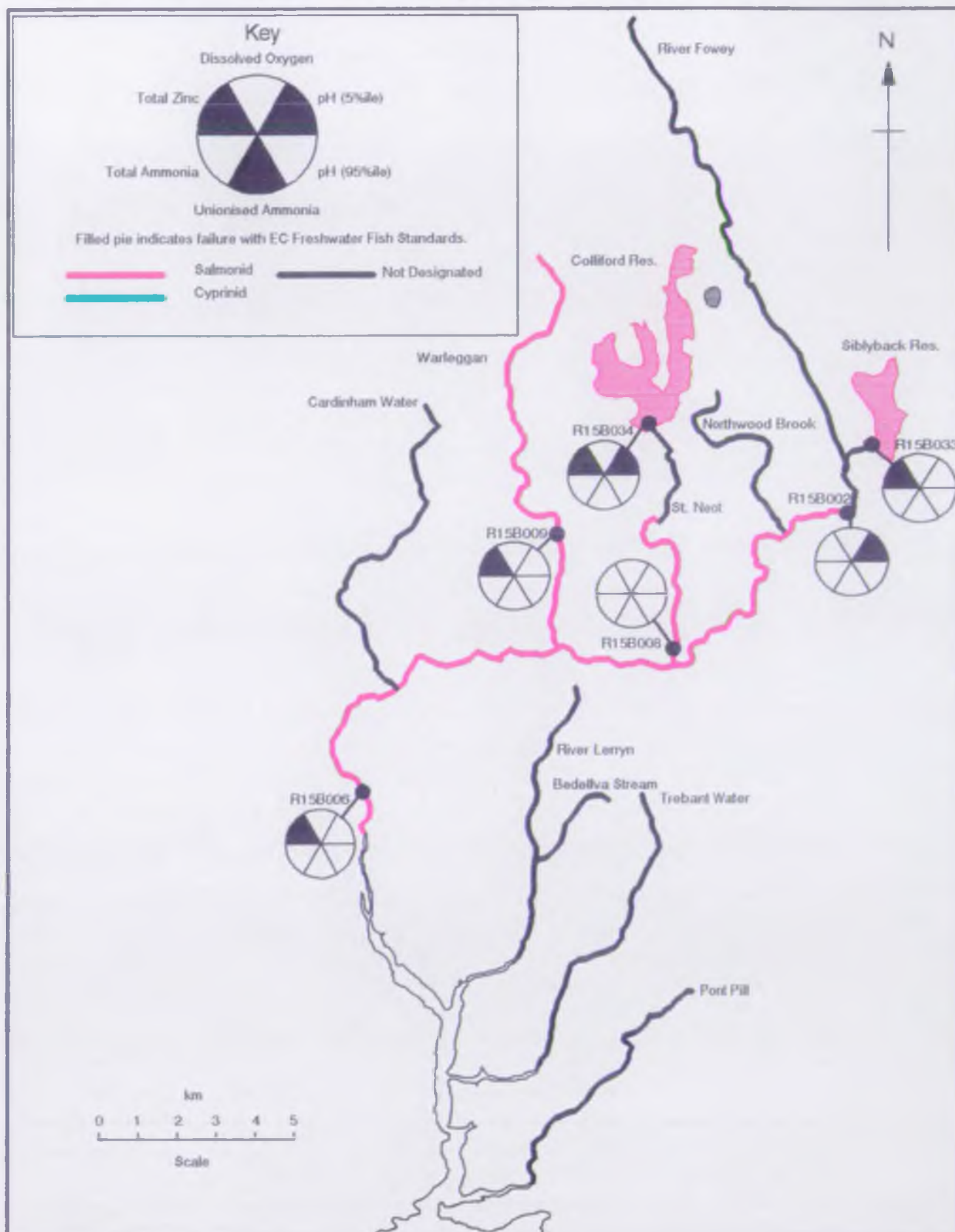
Looe Catchment

EC Freshwater Fish Directive (1990) - Compliance With 'I' Values

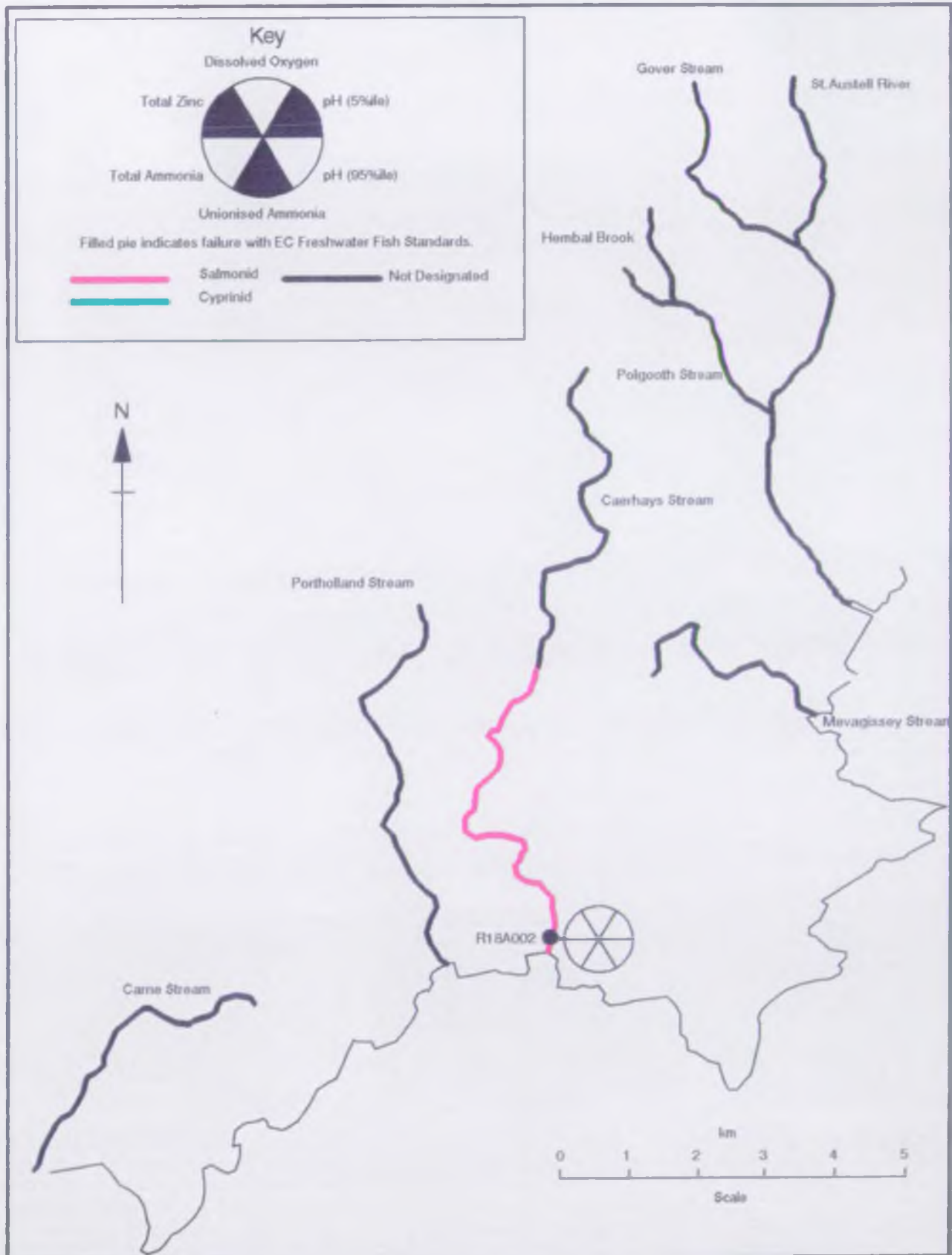


Fowey Catchment

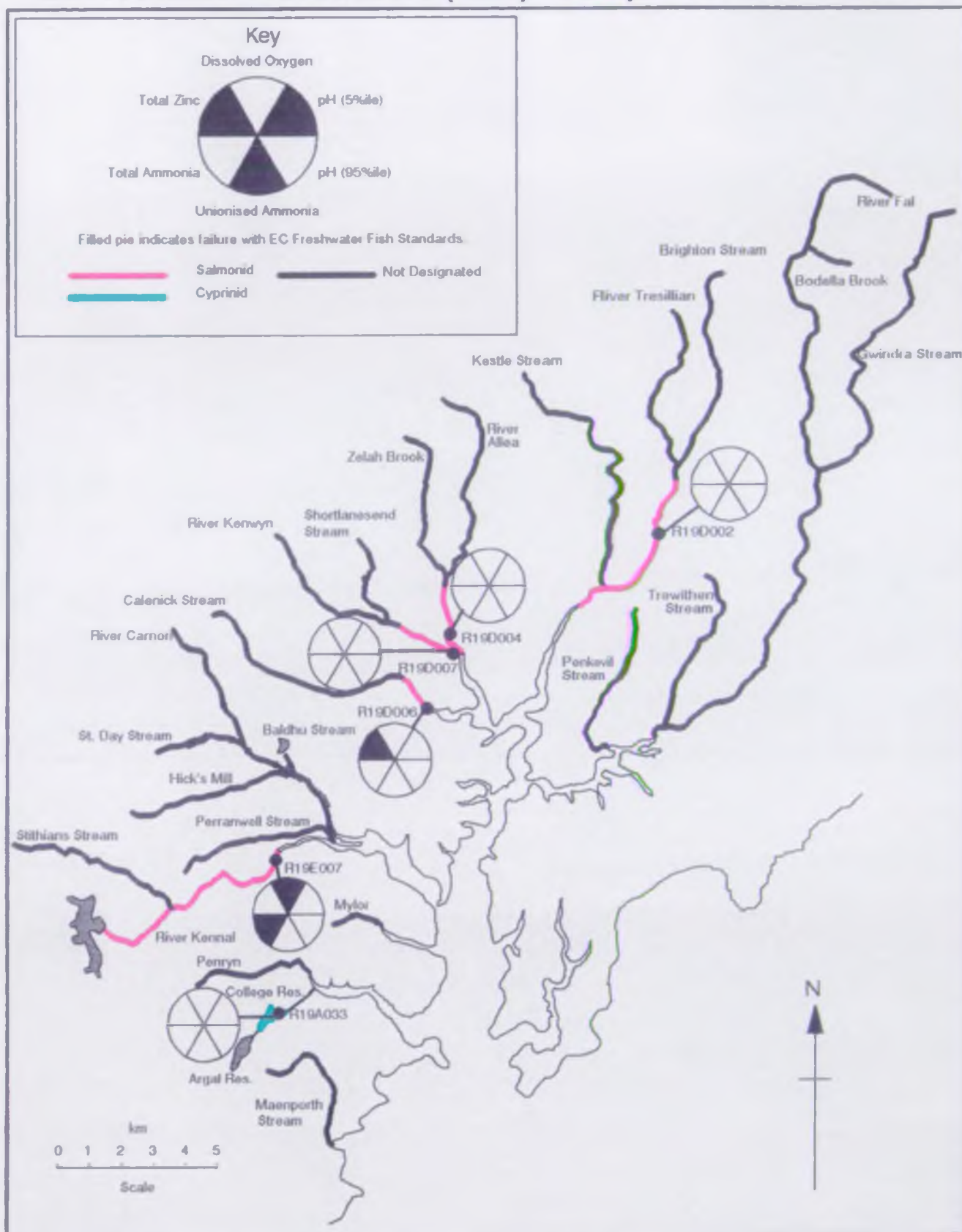
EC Freshwater Fish Directive (1990) - Compliance With 'I' Values



St. Austell and South Cornwall Coastal Streams EC Freshwater Fish Directive (1990) - Compliance With 'I' Values

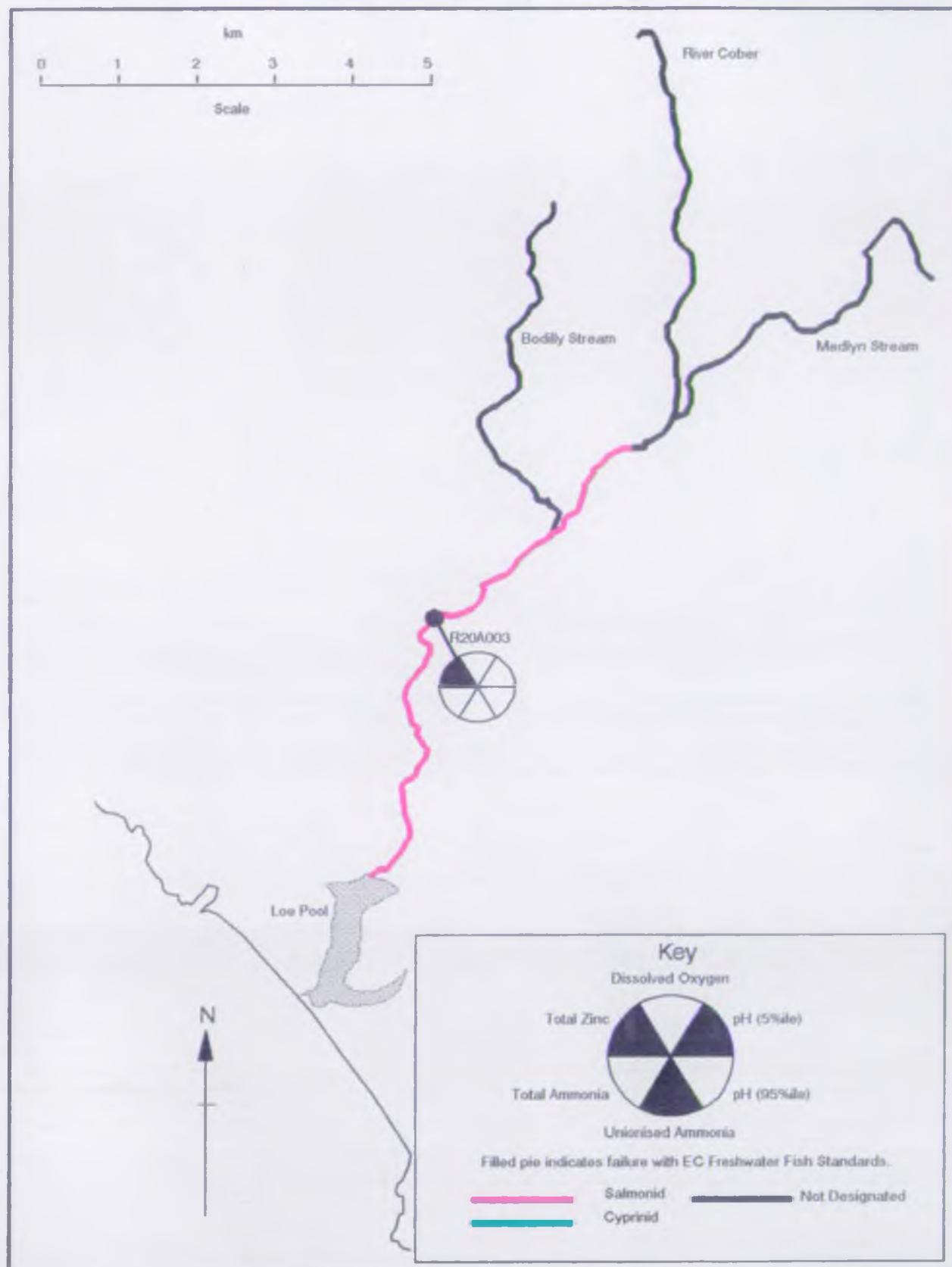


Fal, Tresillian, Allen, Kenwyn, Carnon & Kennal Catchments EC Freshwater Fish Directive (1990) - Compliance With 'I' Values

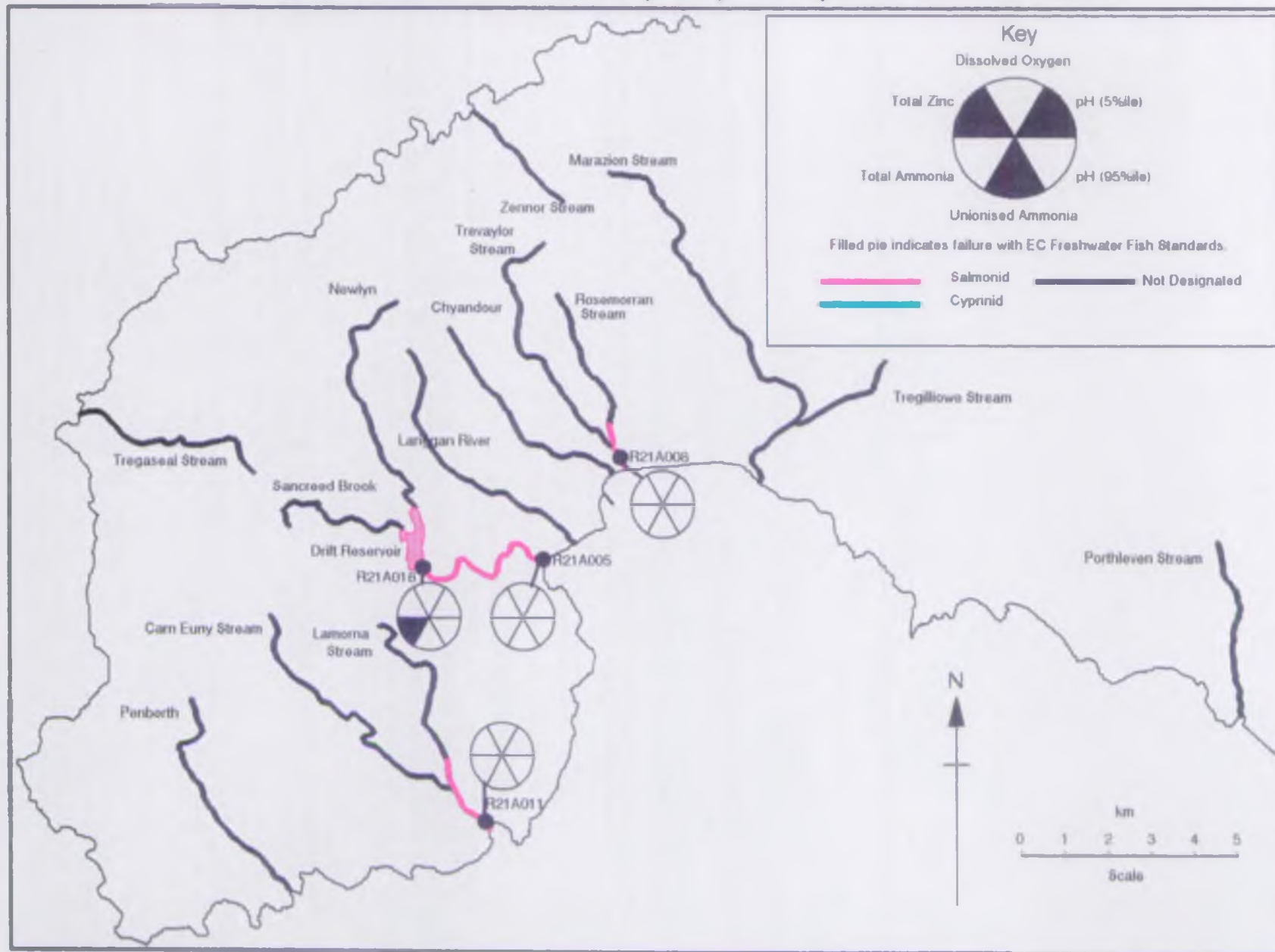


Cober Catchment

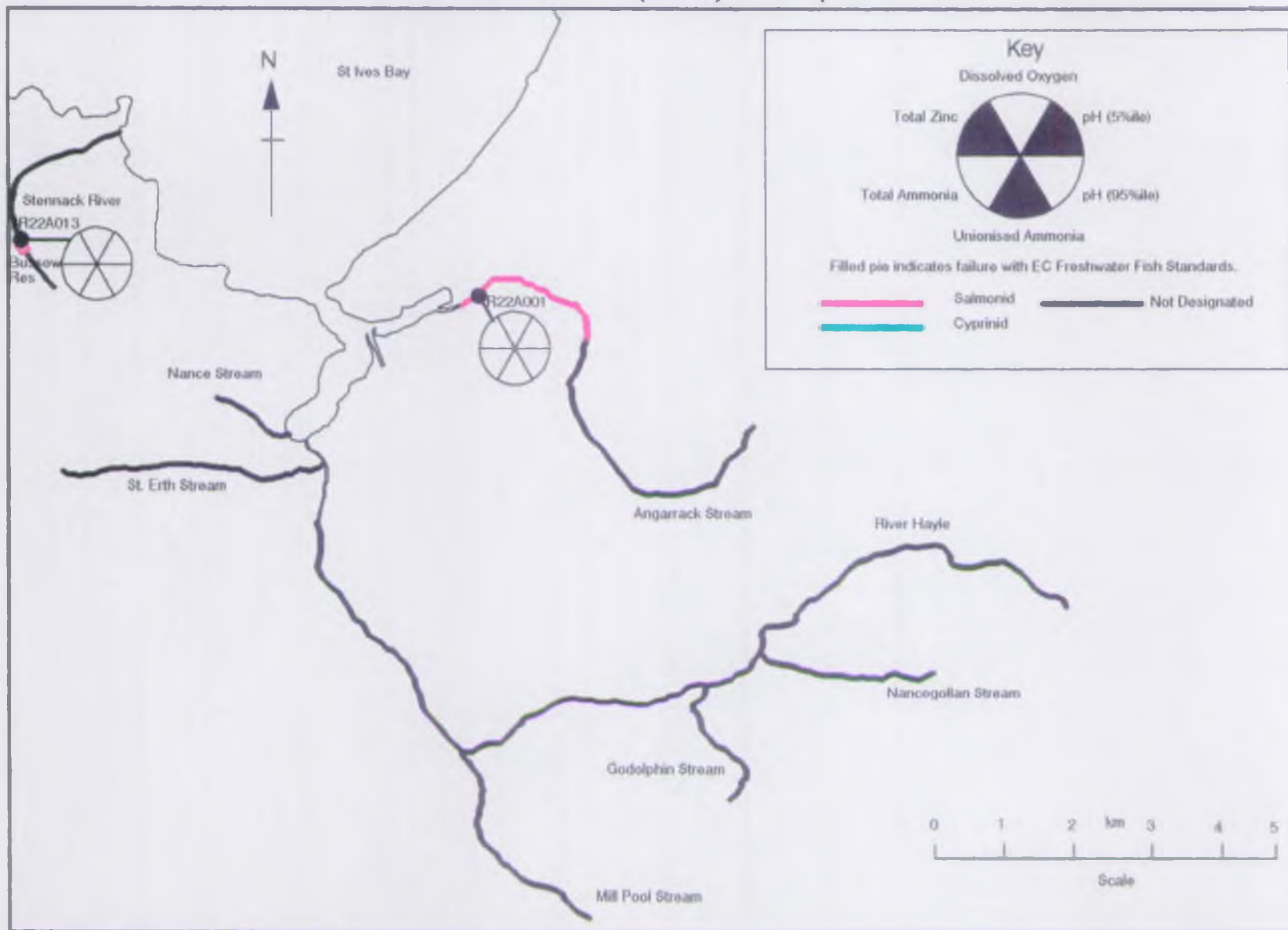
EC Freshwater Fish Directive (1990) - Compliance With 'I' Values



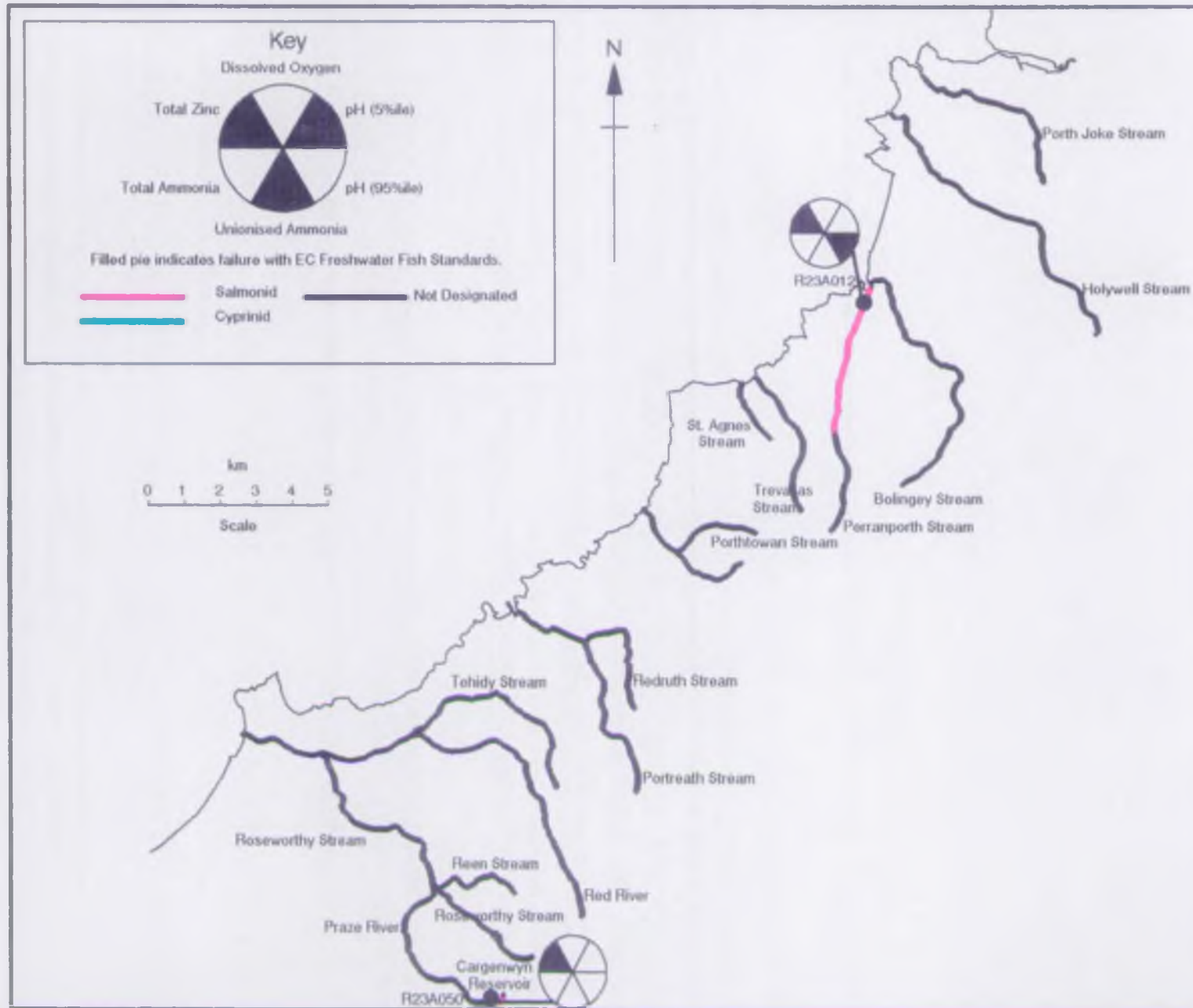
Lands End Streams EC Freshwater Fish Directive (1990) - Compliance With 'I' Values



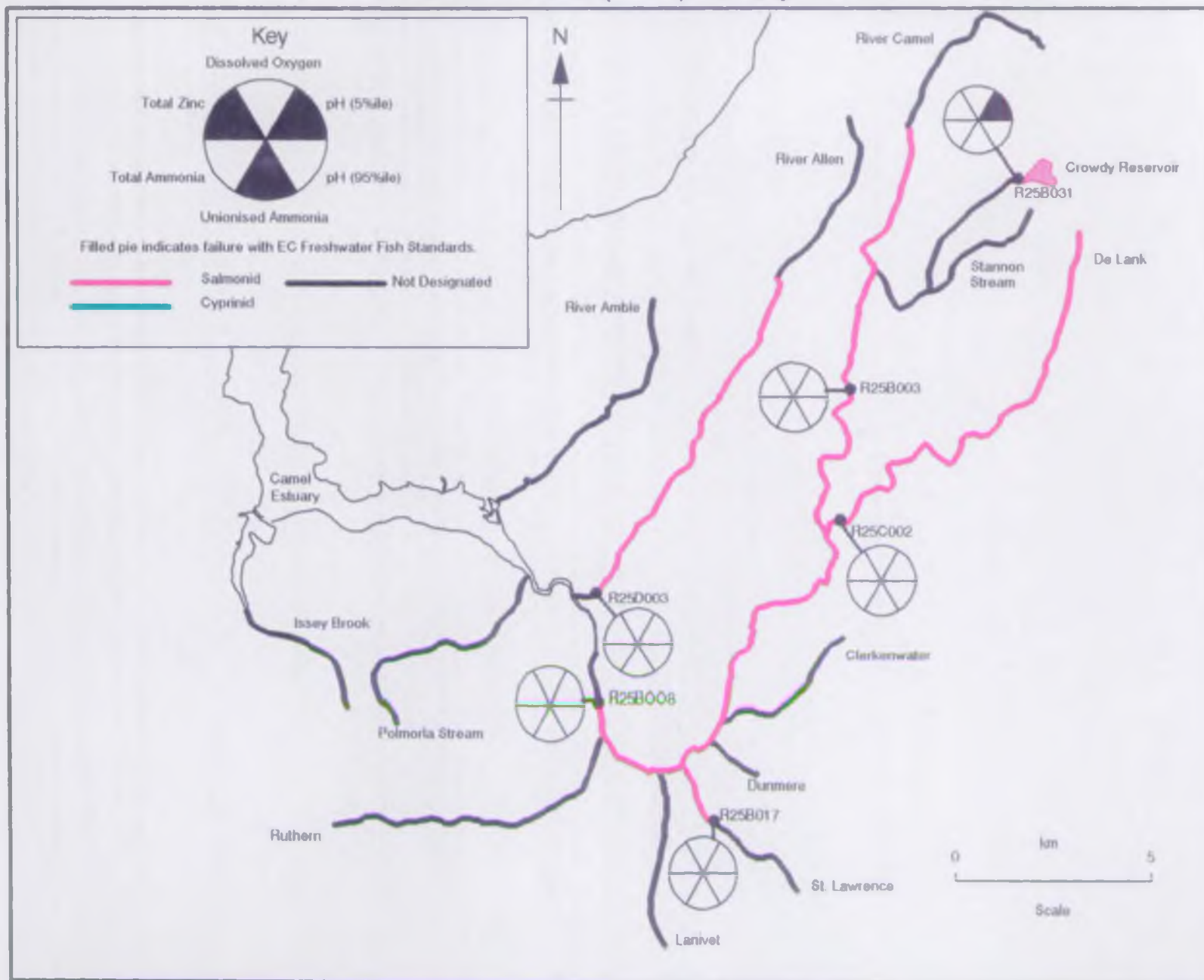
Hayle Catchment EC Freshwater Fish Directive (1990) - Compliance With 'I' Values



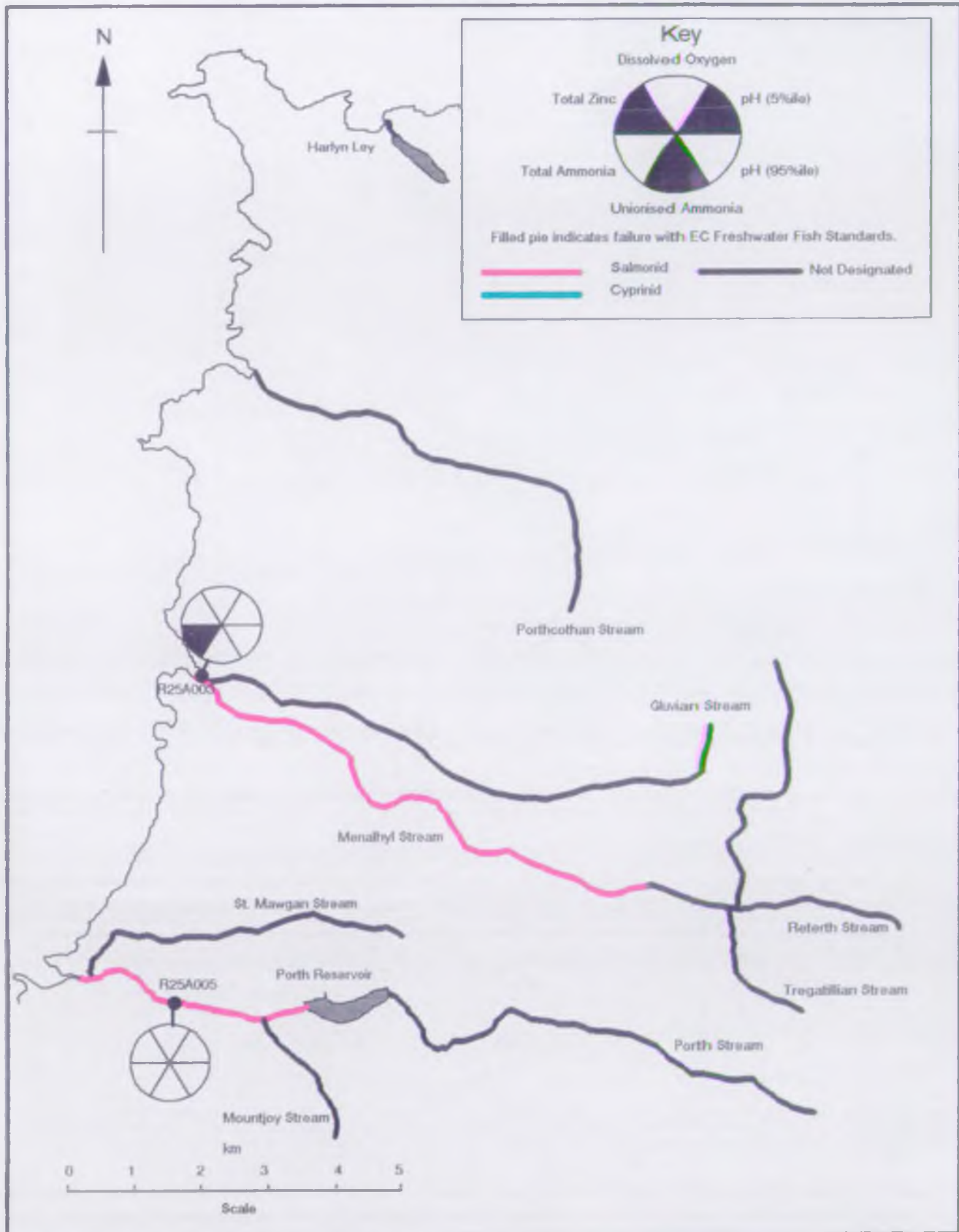
Red River, Portreath, Bolingey & Perranporth Catchments EC Freshwater Fish Directive (1990) - Compliance With 'I' Values



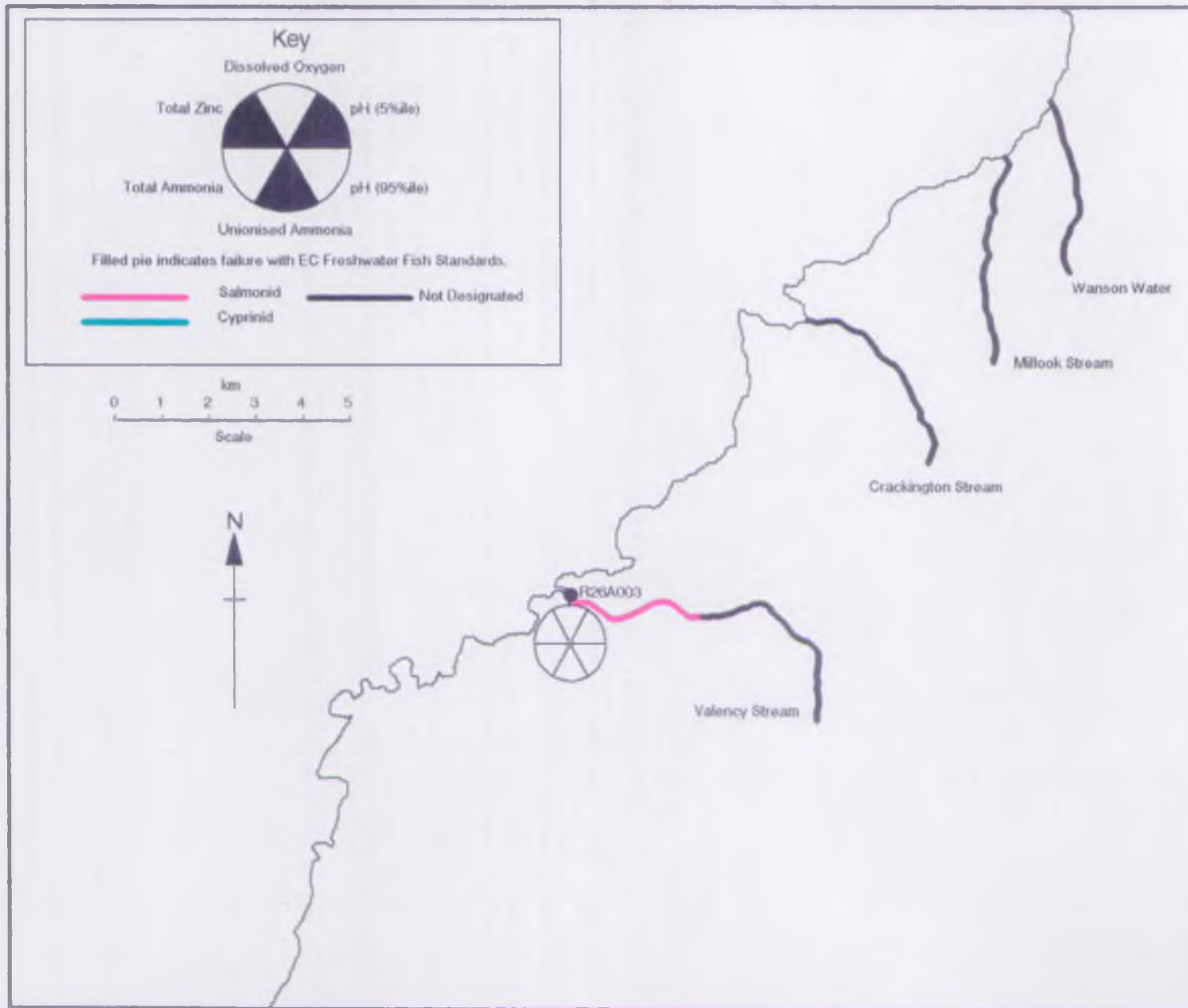
Camel Catchment EC Freshwater Fish Directive (1990) - Compliance With 'I' Values



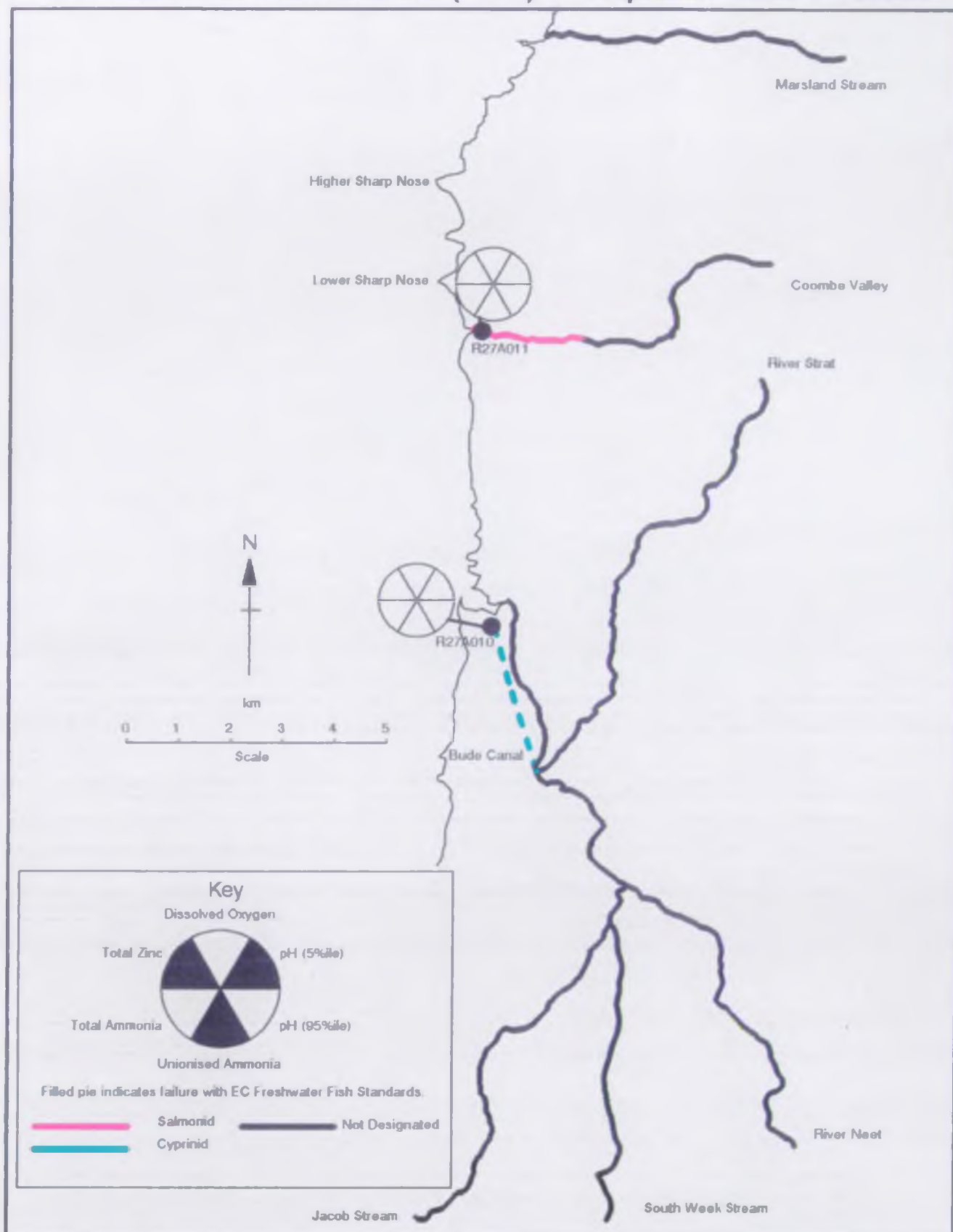
Porth, Gluvian & Menalhyl Catchments EC Freshwater Fish Directive (1990) - Compliance With 'I' Values



Valency and Crackington Streams EC Freshwater Fish Directive (1990) - Compliance With 'I' Values

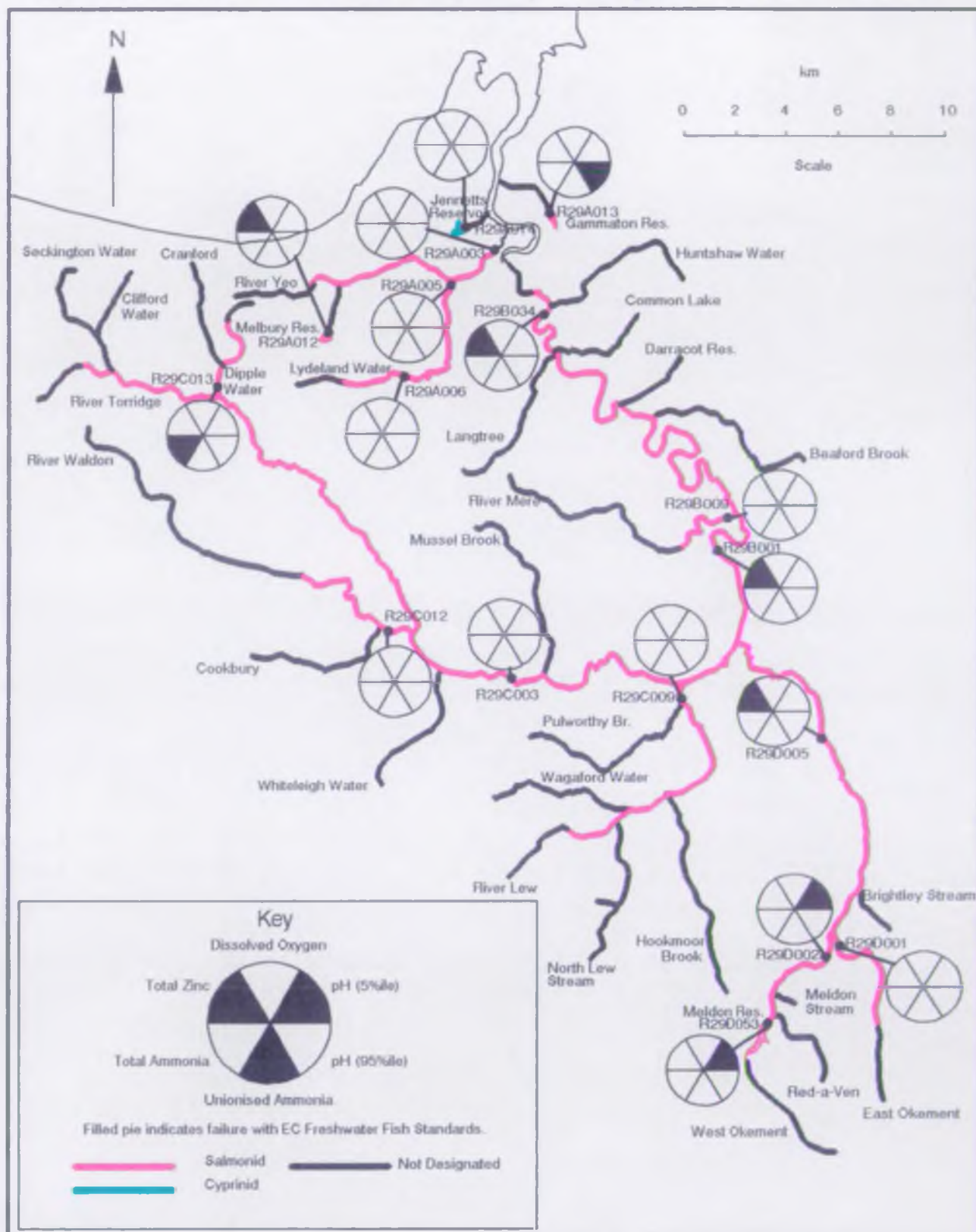


Strat & Neet Catchments EC Freshwater Fish Directive (1990) - Compliance With 'I' Values



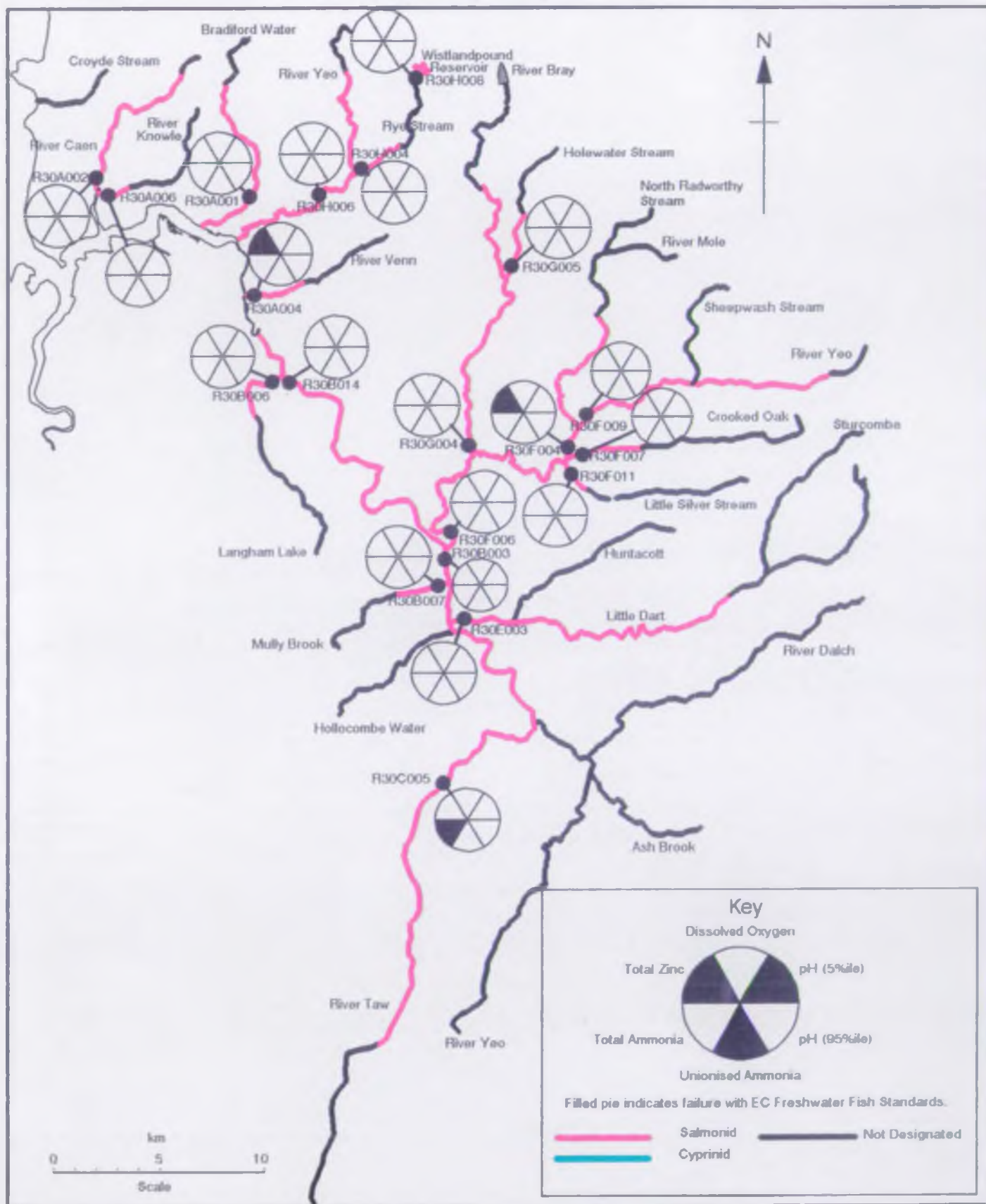
Torridge Catchment

EC Freshwater Fish Directive (1990) - Compliance With 'I' Values



Taw Catchment

EC Freshwater Fish Directive (1990) - Compliance With 'I' Values



North Devon Coast and Lyn Catchments EC Freshwater Fish Directive (1990) - Compliance With 'I' Values

