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Department for Environment Food and Rural Affairs

Environment Agency

Water for life and livelihoods

River Basin Management Plan
Thames River Basin District

Annex D: Protected area objectives

Contents

D.1 Introduction

The Water Framework Directive specifies that areas requiring special protection under other EC Directives and waters used for the abstraction of drinking water are identified as protected areas. These areas have their own objectives and standards.

Article 4 of the Water Framework Directive requires Member States to achieve compliance with the standards and objectives set for each protected area by 22 December 2015, unless otherwise specified in the Community legislation under which the protected area was established. Some areas may require special protection under more than one EC Directive or may have additional (surface water and/or groundwater) objectives. In these cases, all the objectives and standards must be met.

Article 6 requires Member States to establish a register of protected areas. The types of protected areas that must be included in the register are:

- areas designated for the abstraction of water for human consumption (Drinking Water Protected Areas);
- areas designated for the protection of economically significant aquatic species (Freshwater Fish and Shellfish);
- bodies of water designated as recreational waters, including areas designated as Bathing Waters;
- nutrient-sensitive areas, including areas identified as Nitrate Vulnerable Zones under the Nitrates Directive or areas designated as sensitive under Urban Waste Water Treatment Directive (UWWTD);
- areas designated for the protection of habitats or species where the maintenance or improvement of the status of water is an important factor in their protection including relevant Natura 2000 sites[1].

[1] The relevant Natura 2000 sites include water dependent Special Areas of Conservation (SACs) and Special Protection Areas for Birds (SPAs) identified in accordance with Article 6 of the Water Framework Directive, using the list of qualifying Natura features in Guidance on the Identification of Natura Protected Areas (UKTAG, 2003). These are referred to in this plan as 'Natura 2000 Protected Areas'.

You can find the register of protected areas at http://www.environment-agency.gov.uk/research/planning/33346.aspx. The register was first published in 2004 and has been updated for this plan.

This Annex describes the objectives for each Water Framework Directive protected area and assesses compliance with them. Many Water Framework Directive protected areas are also water bodies; and for these, the protected area objectives apply in addition to the requirement to achieve the water body status objectives, which are set out in Annex B. Where protected areas coincide with water bodies, this is indicated in the water body tables in Annex B. It is important to note that water body status objectives in Annex B will not always be the same as the protected area objectives in this Annex even where the element is the same, for example phosphate. This can be for a number of reasons, for example the size and scale of water bodies under the Water Framework Directive may be larger than waters identified as protected areas; or the use of a particular environmental standard or condition varies under the different parent legislations governing the protected area from that of the Water Framework Directive - and so, the achievement of objectives in one is not always comparable with the other.

Where water body boundaries overlap with protected areas, the most stringent objective applies – that is the requirements of one particular EC Directive should not undermine the requirements of another. Where possible, the predicted outcomes for each water body set out in Annex B have taken into account the actions[1] that will be carried out to achieve protected area objectives.

Annex C describes the actions needed to achieve and maintain compliance with one or more protected area standards or objectives. Actions identified for relevant Surface Water Drinking Water Protected Areas and Natura 2000 Protected Areas are also described in more detail in Annex D.

Annex E describes the actions appraisal and justifications for alternative objectives for water bodies. The appraisal of and justification for alternative objectives set for Surface Water Drinking Water Protected Areas and Natura 2000 Protected Areas are located in Annex D. For Surface Water Drinking Water Protected Areas, Annex D also includes reference to the relevant decision tree in Annex E.

D.2 Types and location of protected areas

In the Thames River Basin District there are:

93 Drinking Water Protected Areas (DrWPAs);
433 Freshwater Fish Waters;
3 Shellfish Waters;
15 Bathing Waters;
78% land area covered by Nitrate Vulnerable Zones (NVZs) (NVZs subject to appeals);
11 UWWTD Sensitive Areas;
13 water dependent Special Areas of Conservation (SAC);
5 water dependent Special Protection Areas (SPAs).

[2] This term is widely used in the River Basin Management Plans and is also known as measures in the Water Framework Directive.

The locations of these protected areas are shown in figures:

D.1-D.3 Drinking Waters – DrWPAs
D.4 Economically significant species – Freshwater Fish & Shellfish Waters
D.5 Recreational waters – Bathing Waters
D.6 Nutrient sensitive areas – Nitrate Vulnerable Zones & UWWTD Sensitive Areas (NVZs subject to appeals)
D.7 Conservation sites – Natura 2000 Protected Areas (water dependent SACs and SPAs)

Figure D.1 Location of drinking waters – DrWPA (groundwater and surface water)

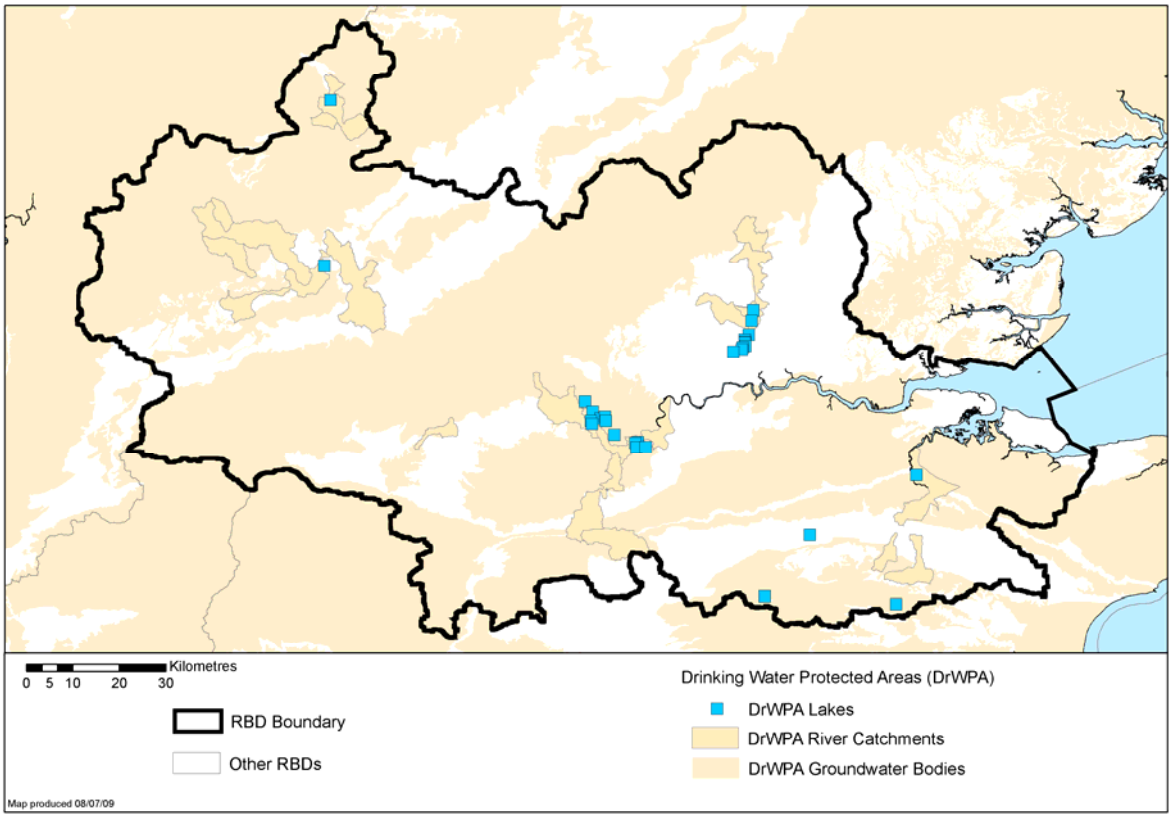


Figure D.2 Location of groundwater DrWPAs including safeguard zones

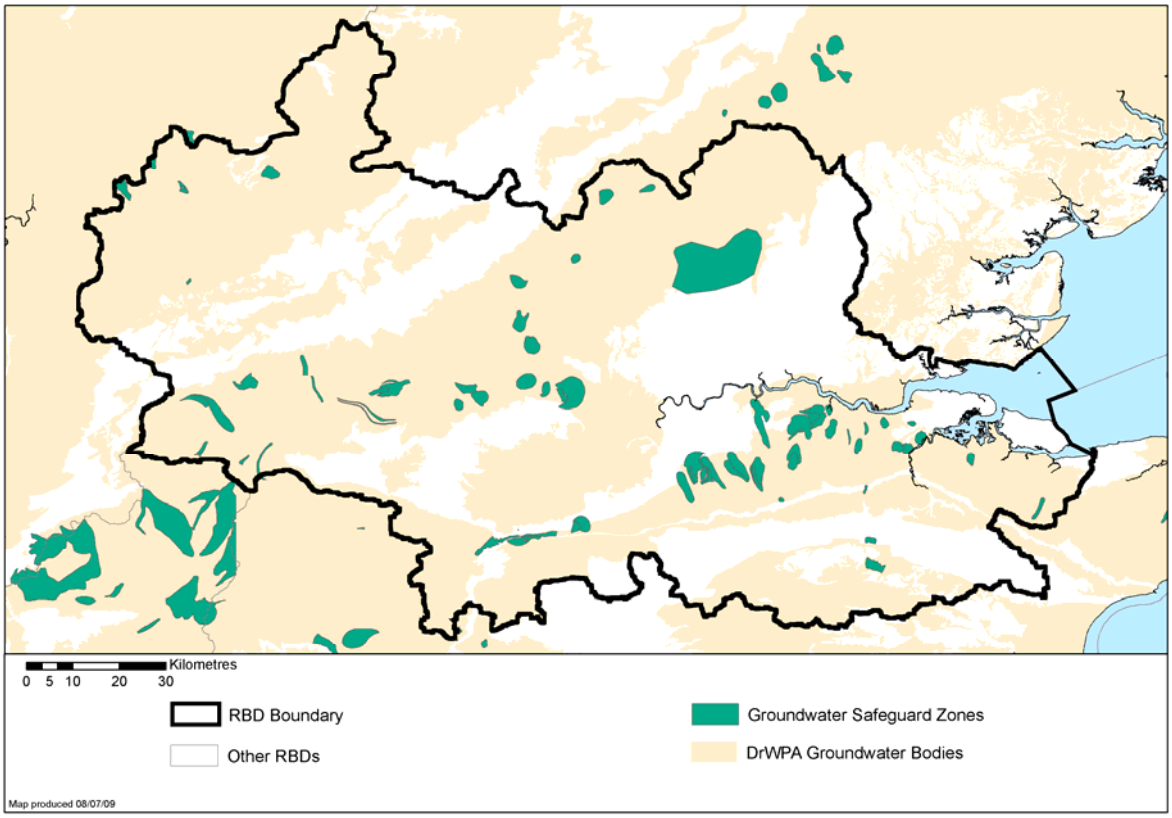


Figure D.3 Location of surface water DrWPAs including safeguard zones

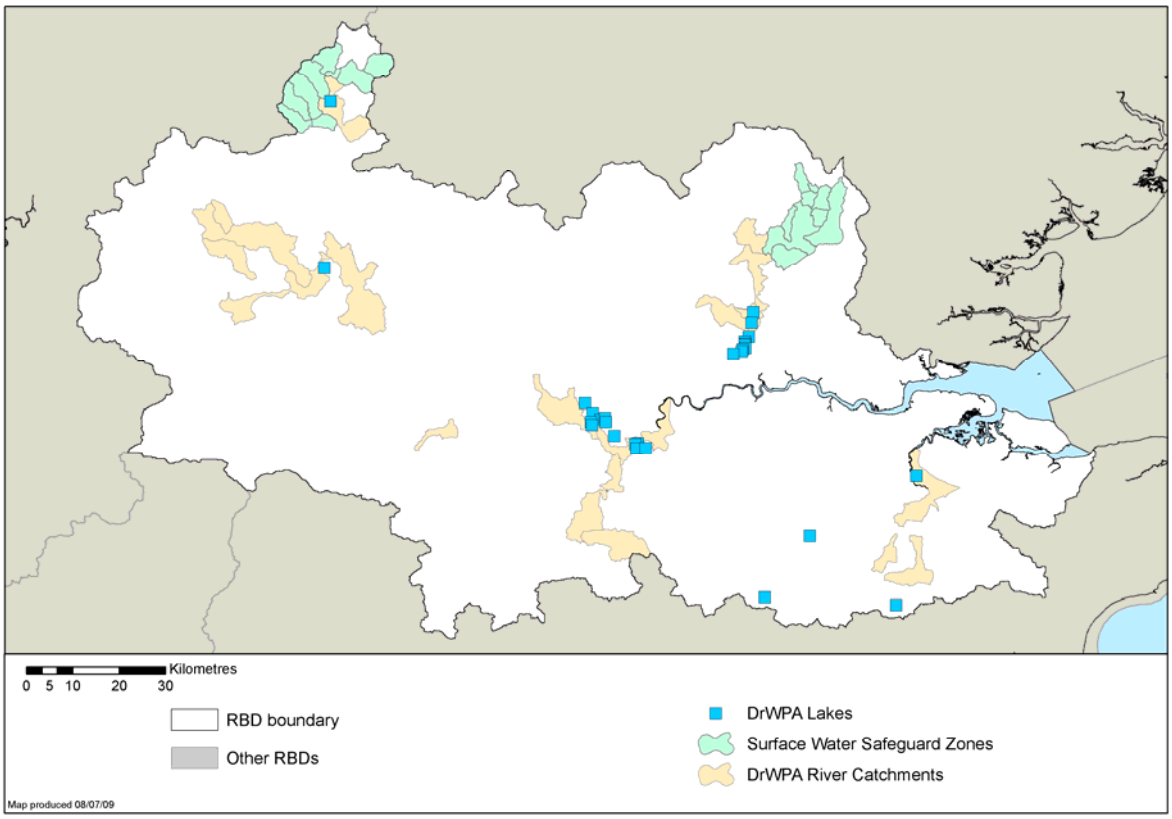


Figure D.4 Location of economically significant species – Freshwater Fish & Shellfish Waters

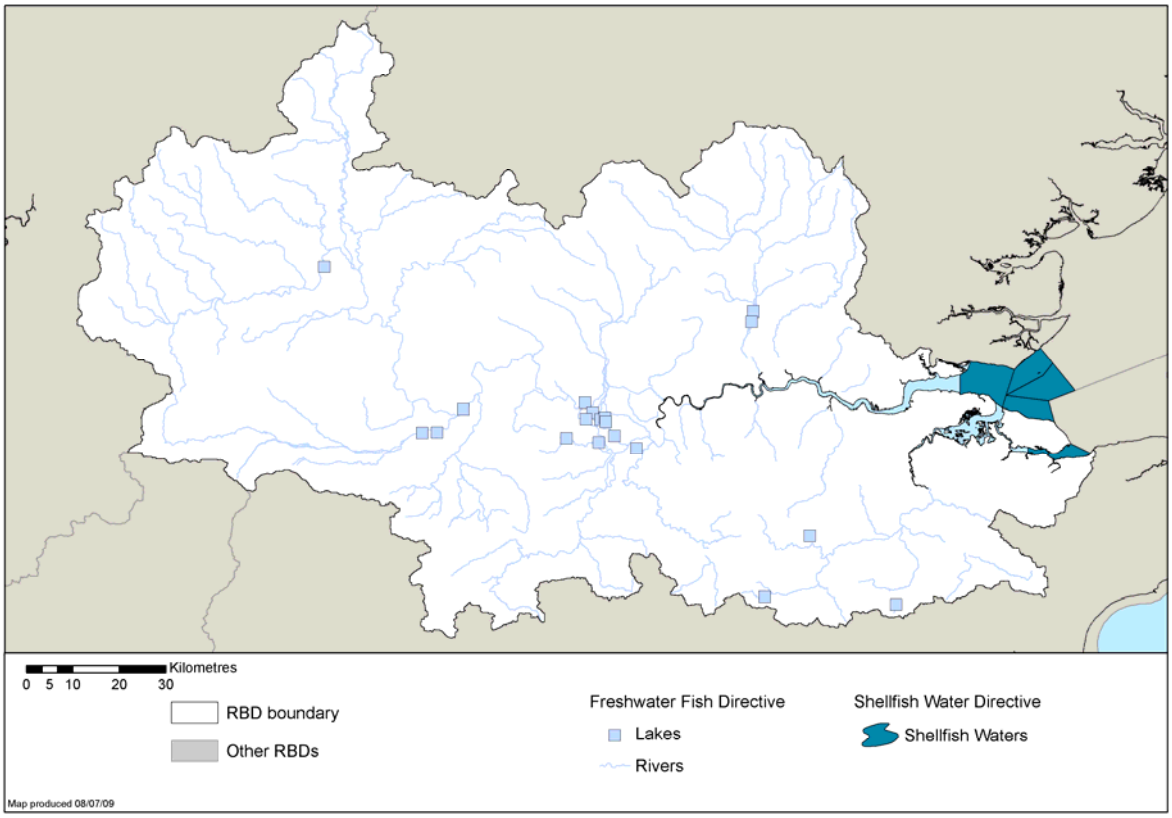


Figure D.5 Location of recreational waters – Bathing Waters

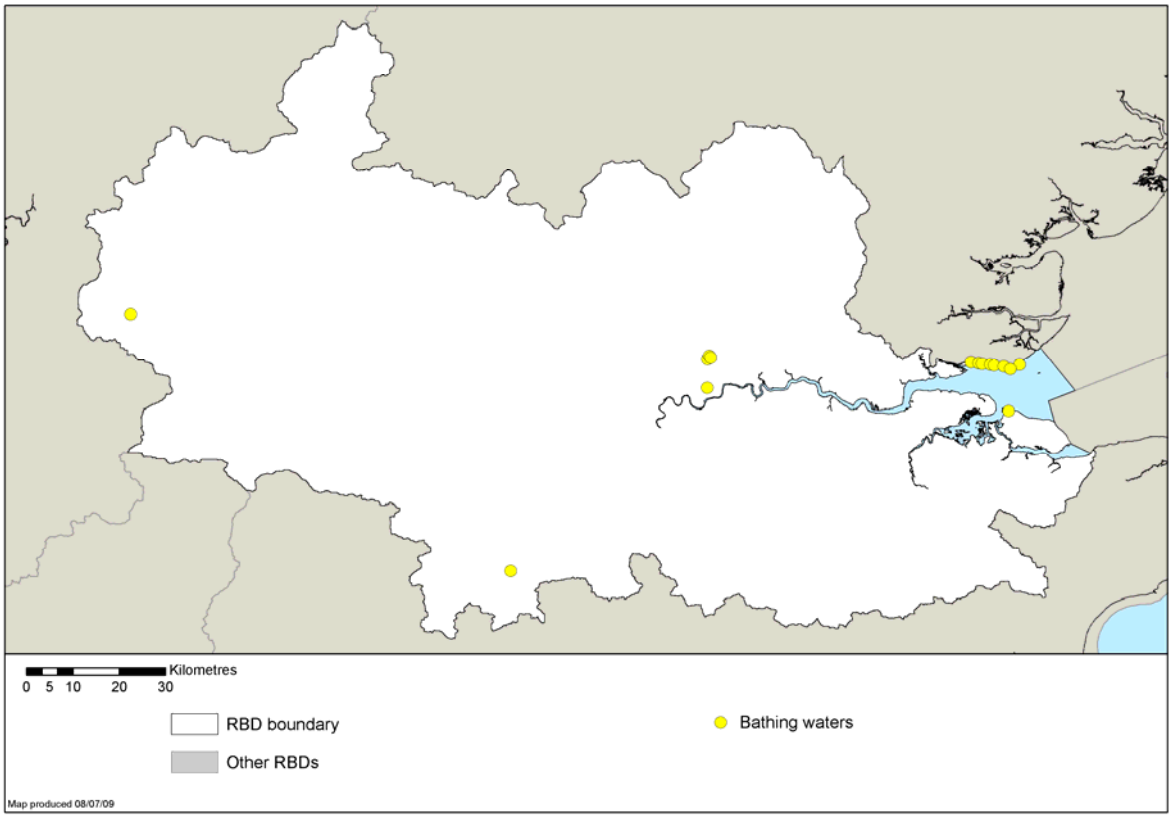


Figure D.6 Location of nutrient sensitive areas – Nitrate Vulnerable Zones & UWWTD Sensitive Areas (NVZs subject to appeals)

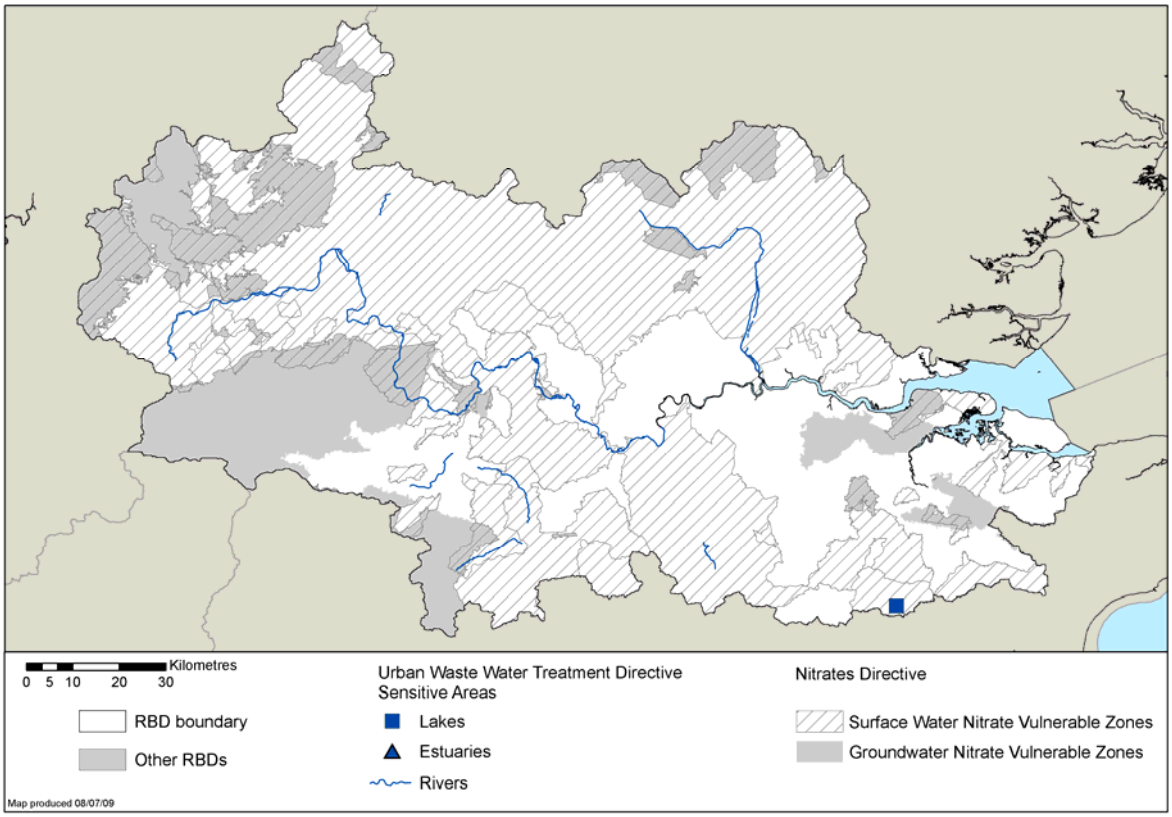
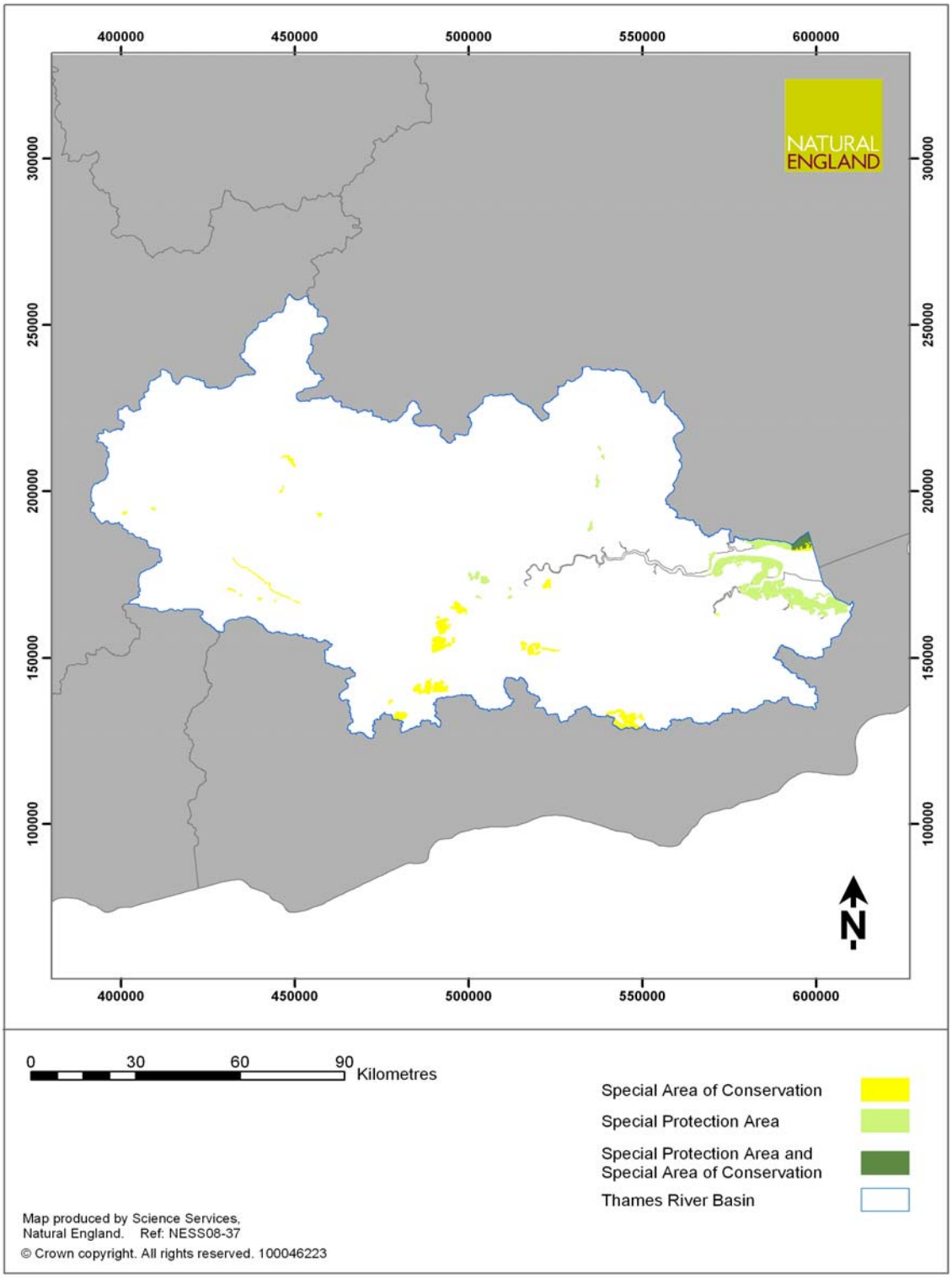


Figure D.7 Location of conservation sites – Natura 2000 Protected Areas (water dependent SACs & SPAs)



D.3 Monitoring network

Monitoring programmes have been established in the Thames River Basin District to assess the status of Protected Areas. The monitoring networks established for Protected Areas are shown in figures:

D.8-D.9 Drinking Waters – DrWPAs
D.10 Economically significant species – Freshwater Fish & Shellfish Waters
D.11 Recreational waters – Bathing Waters
D.12 Nutrient sensitive areas – Nitrate Vulnerable Zones & UWWTD Sensitive Areas (relevant discharges to UWWTD Sensitive Areas only)
D.13 Conservation sites – Natura 2000 Protected Areas (water dependent SACs & SPAs)

Figure D.8 Monitoring network for drinking waters – DrWPA (groundwater)

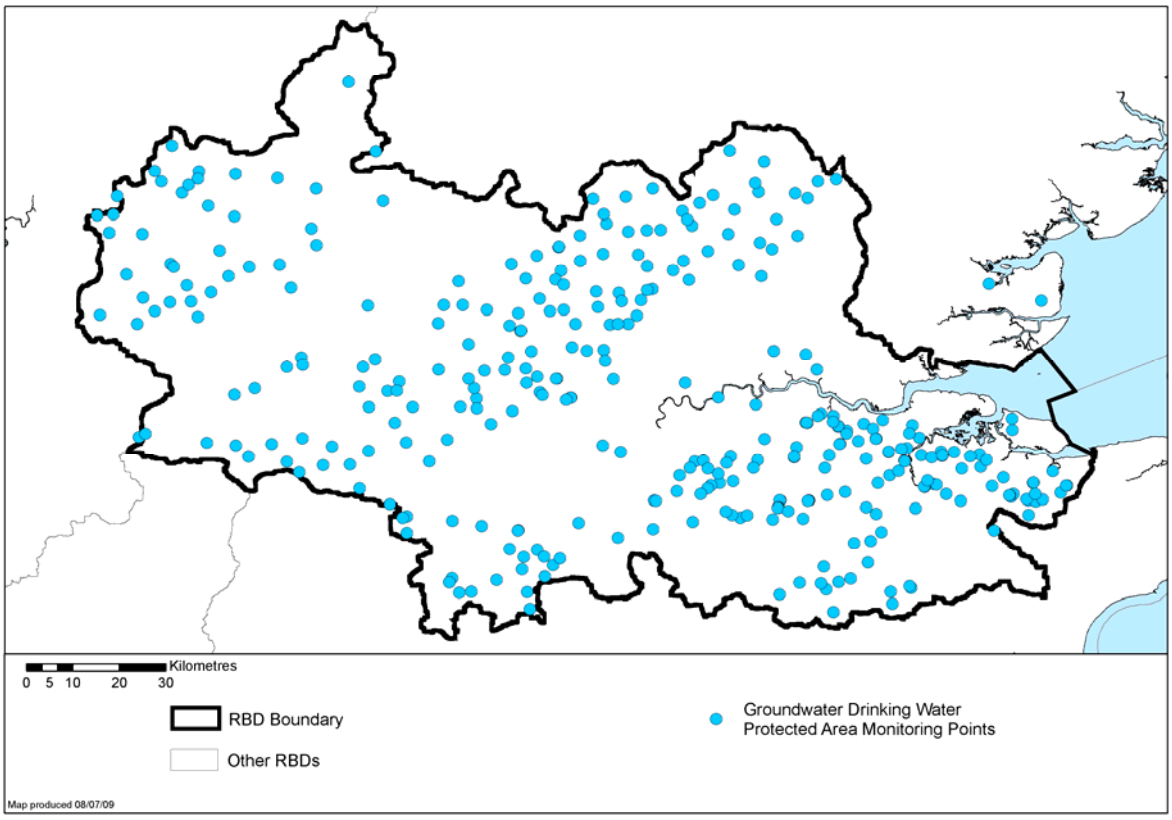


Figure D.9 Monitoring network for drinking waters – DrWPA (surface water)

The network is currently under review to confirm the exact location of the monitoring points. This assessment and the monitoring network map will be available in time for the Water Information System for Europe (WISE) reporting in March 2010.

Figure D.10 Monitoring network for economically significant species – Freshwater Fish & Shellfish Waters

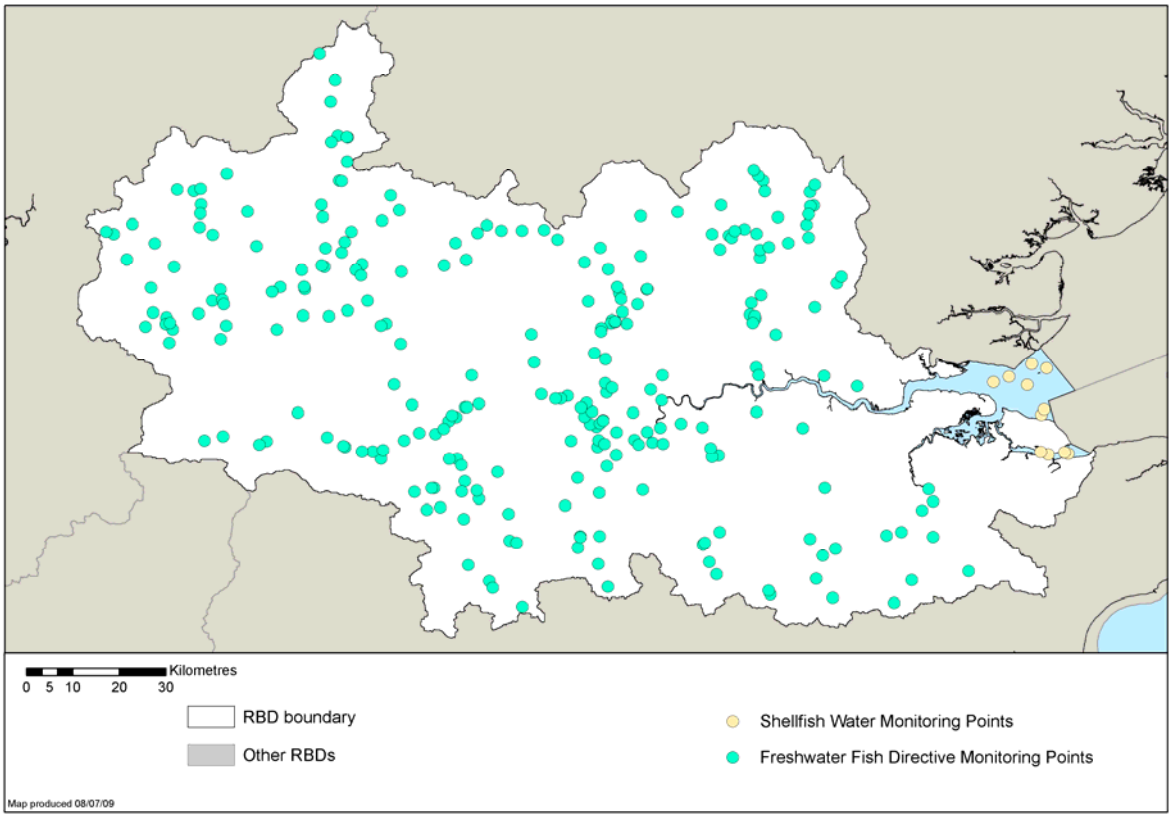


Figure D.11 Monitoring network for recreational waters – Bathing Waters

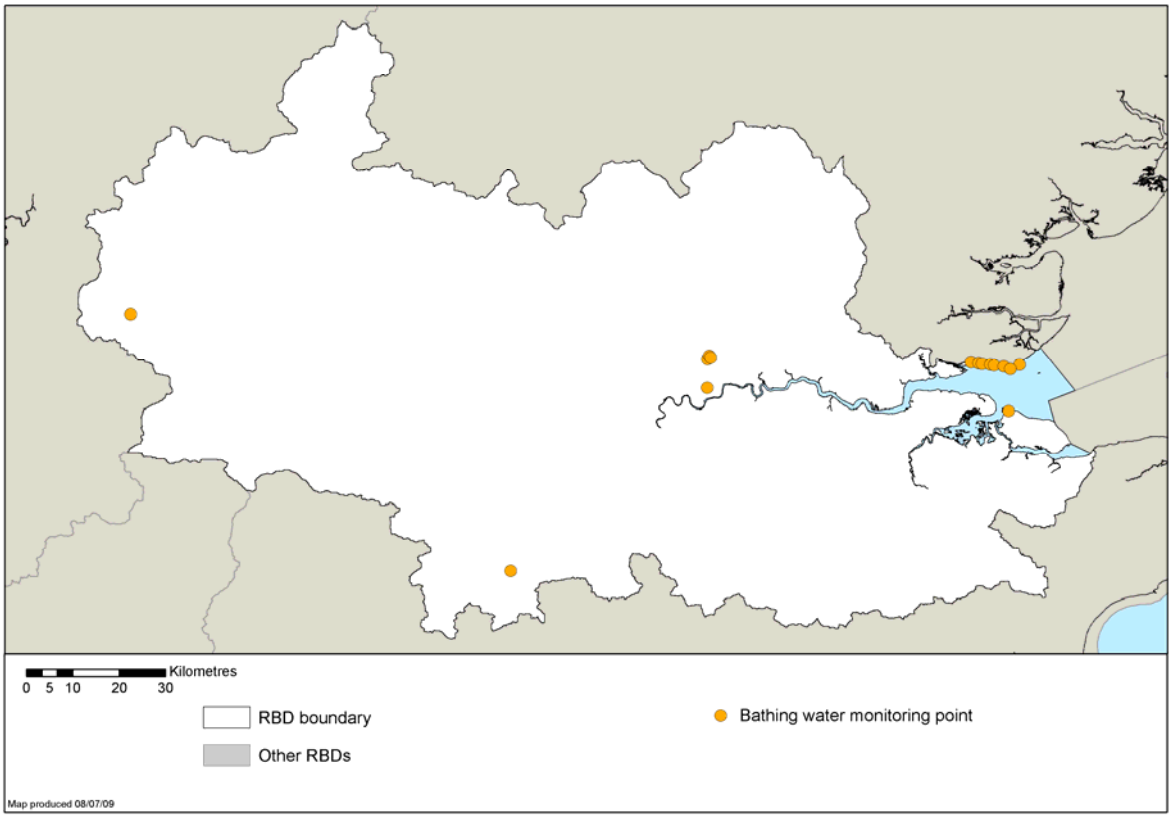


Figure D.12 Monitoring network for nutrient sensitive areas – Nitrate Vulnerable Zones & UWWTD Sensitive Areas (relevant discharges to UWWTD Sensitive Areas only)

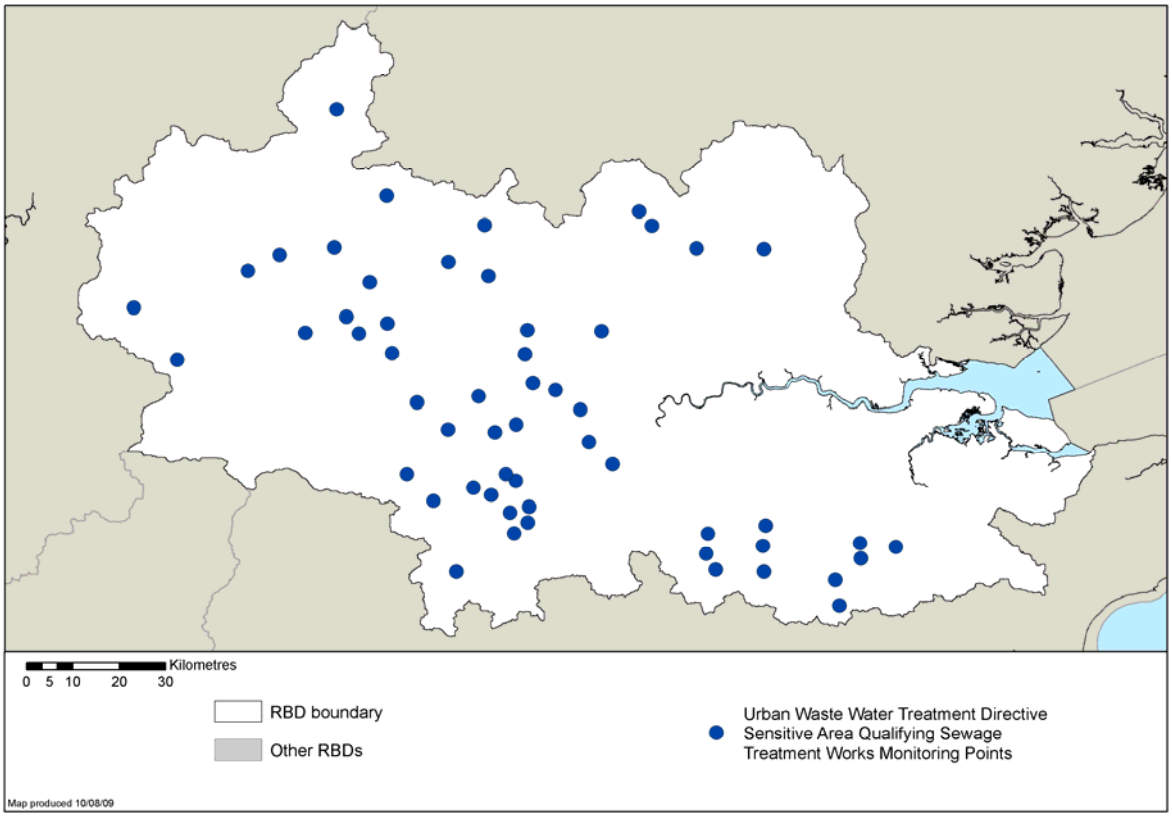
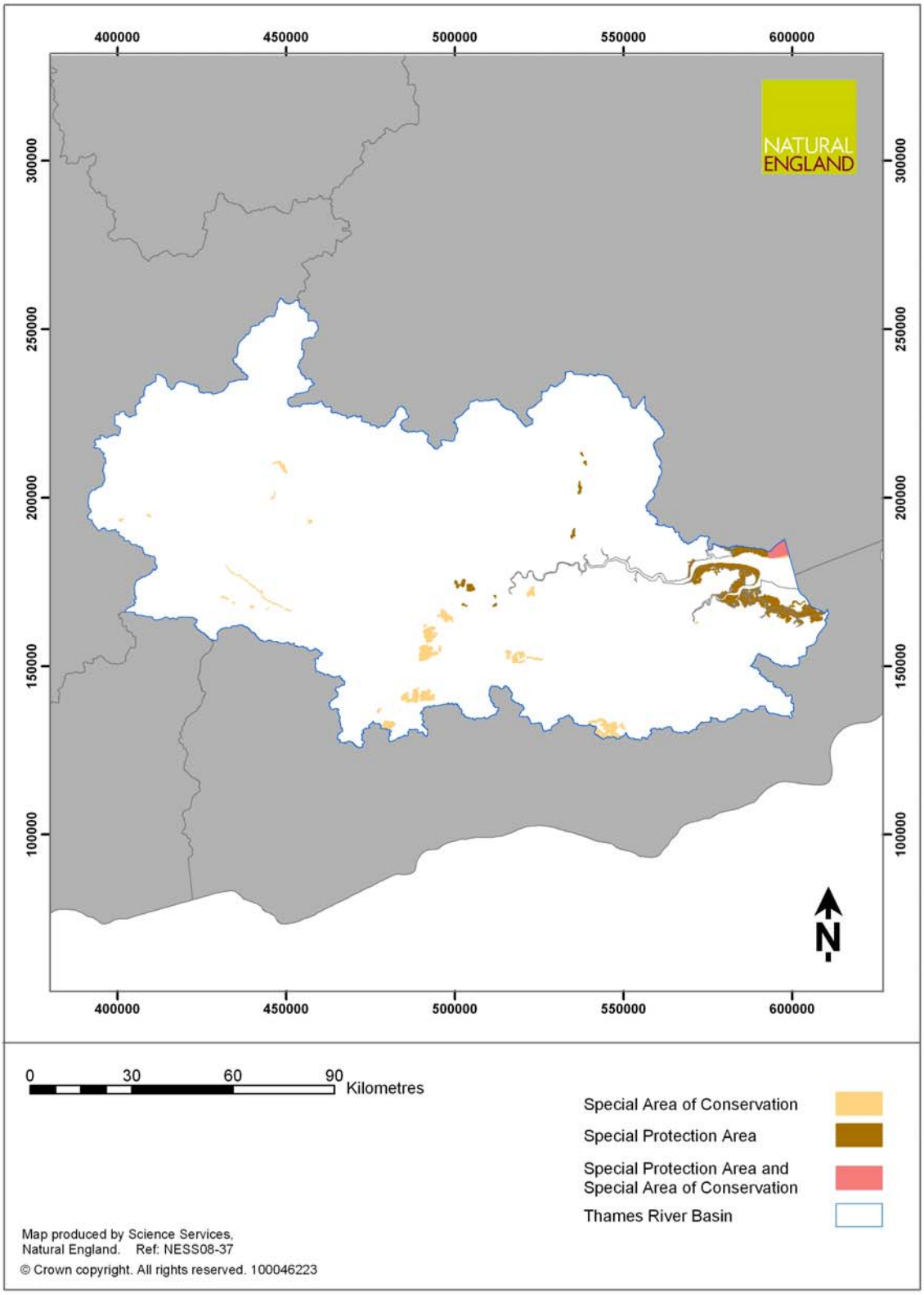


Figure D.13 Monitoring network for conservation sites – Natura 2000 Protected Areas (water dependent SACs & SPAs)



The Habitats Directive requires that member states carry out surveys of the Community interest features. For Natura 2000 sites this is undertaken by the UK conservation agencies, under the Joint Nature Conservation Committee (JNCC) Common Standards Monitoring (CSM) framework. Associated guidance sets out a range of attributes, and their targets, for use, where appropriate, in assessing the condition of a feature. Links to this guidance are shown below.

In England, monitoring is undertaken by Natural England of all SACs and SPAs on a six-year cycle. In terrestrial and freshwater protected areas, monitoring is undertaken across whole sites, and an assessment of condition is made for each unit of the underpinning Site of Special Scientific Interest (SSSI). For marine protected areas below low water mark, an overall assessment of condition is made, using available sources of data. The relevant monitoring network is shown in Figure D.13.

Links to Common Standards Monitoring Guidance

Introductory text : http://www.jncc.gov.uk/page-2201
Coastal Habitats: Common Standards Monitoring Guidance for Coastal vegetated shingle Common Standards Monitoring Guidance for Sand dunes Common Standards Monitoring Guidance for Saltmarsh Common Standards Monitoring Guidance for Maritime cliff & Slope
Freshwater Habitats: Common Standards Monitoring Guidance for Canals Common Standards Monitoring Guidance for Ditches Common Standards Monitoring Guidance for Standing water Common Standards Monitoring Guidance for Rivers
Lowland Grassland: Common Standard Monitoring Guidance for Lowland Grassland
Lowland Heath: Common Standards Monitoring Guidance for Lowland heathland
Lowland Wetland: Common Standards Monitoring Guidance for Lowland Wetland
Marine Habitats: Common Standards Monitoring Guidance for Generic Introduction for marine features Common Standards Monitoring Guidance for Littoral rock and inshore sublittoral rock (Reefs) Common Standards Monitoring Guidance for Littoral sediment flats (mud/sand flats) Common Standards Monitoring Guidance for Inshore sublittoral sediments (sandbanks) Common Standards Monitoring Guidance for Estuaries Common Standards Monitoring Guidance for Inlets and Bays Common Standards Monitoring Guidance for Sea Caves Common Standards Monitoring Guidance for Lagoons
Upland Habitats: Common Standards Monitoring Guidance for Upland Habitats
Woodland: Common Standards Monitoring Guidance for Woodland
Reptiles and amphibians: Common Standards Monitoring Guidance for Reptiles and Amphibians
Birds: Common Standards Monitoring Guidance for Birds
Fish and freshwater fauna: Common Standards Guidance on Freshwater Fauna

Marine mammals: Common Standards Monitoring Guidance for Marine Mammals
Terrestrial mammals (otters and bats etc): Common Standards Monitoring Guidance for Terrestrial Mammals
Vascular plants (including freshwater and wetland plants): Common Standards Monitoring Guidance for Vascular Plants
Bryophytes and Lichens: Common Standards Monitoring Guidance for Bryophytes and Lichens

D.4 Objectives

Drinking Water Protected Areas

The objectives for Drinking Water Protected Areas (DrWPAs) are to:

- Ensure that, under the water treatment regime applied, the drinking water produced meets the requirements of the Drinking Water Directive; and
- Ensure necessary protection in the DrWPA with the aim of avoiding deterioration in water quality in order to reduce the level of purification treatment required in producing drinking water.

The first objective will be achieved by meeting the requirements of the Drinking Water Directive (these include both the standards in the Directive and any UK requirements to ensure drinking water is free from contamination that could constitute a danger to human health).

The second objective will be achieved by putting in place actions that aim to ensure that there is no deterioration in water quality at abstractions used for drinking water supply.

In many cases it may take some time for actions to become effective and either halt or reverse deterioration. Providing sufficient actions are in place, the objective is met.

As with other Water Framework Directive objectives, actions should be in place by December 2012 but extensions of time can be used where the actions needed to meet the objective in the first cycle of river basin management planning are not technically feasible or are disproportionately expensive.

Economically Significant Species (Freshwater Fish Waters)

The objective for freshwater fish waters designated under the Freshwater Fish Directive is:

- To protect or improve the quality of running or standing freshwaters to enable them to support fish belonging to:
    - Indigenous species offering a natural diversity; or
    - Species the presence of which is judged desirable for water management purposes by the competent authorities of the Member States

This objective will be achieved by meeting the imperative standards and endeavouring to respect the guideline standards of the Freshwater Fish Directive.

The Freshwater Fish Directive will be repealed in 2013. When this occurs these protected areas must be afforded at least the same level of protection as given by the Freshwater Fish Directive.

Economically Significant Species (Shellfish Waters)

The objective for shellfish waters designated under the Shellfish Water Directive is:

- To protect and, where needed, improve the quality of shellfish waters in order to support shellfish (bivalve and gastropod molluscs) life and growth, and thus contribute to the high quality of shellfish products directly edible by man.

This objective will be achieved by meeting the imperative standards and endeavouring to observe the guideline standards of the Shellfish Water Directive.

The Shellfish Water Directive will be repealed in 2013. When this occurs these protected areas must be afforded at least the same level of protection as given by the Shellfish Water Directive.

Recreational Waters (Bathing Waters)

The objective, until the end of 2014, for bathing waters designated under the current Bathing Waters Directive is:

- to protect the environment and public health whilst bathing.

This objective will be achieved by meeting the imperative standards and endeavouring to meet the guideline standards of the current Bathing Waters Directive.

The objective, from the end of 2014, for bathing waters designated under the revised Bathing Waters Directive is:

- to preserve, protect and improve the quality of the environment and to protect human health by complementing Directive 2000/60/EC.

This objective will be achieved by meeting the ‘sufficient’ quality standards of the revised Bathing Waters Directive; and by taking such realistic and proportionate measures considered appropriate with a view to increasing the number of bathing waters classified as ‘excellent’ or ‘good’.

Nutrient Sensitive Areas (Nitrate Vulnerable Zones)

The general objective of the Nitrates Directive is to:

- reduce water pollution caused or induced by nitrates from agricultural sources and
- prevent further such pollution

This objective will be achieved through designation Nitrate Vulnerable Zones (NVZs) and action programmes being implemented within them. NVZs comprise all land draining to “polluted waters” as defined by the Directive. A Code of Good Agricultural Practice has also been published, which provides advice to all farmers on how to reduce nitrate losses to the environment.

Nutrient Sensitive Areas (Urban Waste Water Treatment Directive)

The general objective of the Urban Waste Water Treatment Directive (UWWTD) is:

- To protect the environment from the adverse effects of urban waste water discharges and waste water discharges from certain industrial sectors.

A sensitive area in the UWWTD is a water body identified as affected by eutrophication or having a surface water abstraction affected by elevated nitrate concentrations. Designating Sensitive Areas is a trigger for action to reduce or prevent further pollution caused by nutrients.

The general objective for Sensitive Areas will be achieved by ensuring discharges from relevant urban waste water treatment plants meet the appropriate emission standards set out in the Directive.

Natura 2000 Protected Area (water dependent SACs & SPAs)

The objective for Natura 2000 Protected Areas identified in relation to relevant areas designated under the Habitats Directive is to:

- Protect and, where necessary, improve the status of the water environment to the extent necessary to achieve the conservation objectives that have been established for the protection or improvement of the site's natural habitat types and species of Community importance in order to ensure the site contributes to the maintenance of, or restoration to, favourable conservation status[3].

The objective for Natura 2000 Protected Areas identified in relation to relevant areas designated under the Birds Directive is to:

- Protect and where necessary improve the water environment to the extent necessary to achieve the conservation objectives that have been established for the protection or improvement of the site in order to ensure that the site contributes to the conservation (survival and reproduction in their area of distribution) of birds species listed in Annex I of the Birds Directive.

Where a Natura 2000 Protected Area forms part of a water body or where a water body lies within a Natura 2000 Protected Area, the Water Framework Directive status objectives apply in addition to the requirement to maintain at favourable conservation status or restore it to that status. Some water bodies that coincide with Natura 2000 Protected Areas have been designated as artificial or heavily modified; in these cases the aim to achieve good ecological potential applies in addition to the objective of favourable conservation status.

Annex B sets out the status objectives for each water body and indicates where the water body coincides with a Natura 2000 Protected Area. The protected area objectives are independent of the water body status objectives in Annex B but all objectives have to be met in accordance with each of the EC Directives that underpin them. It is important to note that water body status objectives in Annex B will not always fully reflect the Natura 2000 Protected Area objectives in this Annex even where the element is the same, for example

[3] "Favourable Conservation Status (to protect and, where necessary, improve the water or water-dependent environment to the extent necessary to maintain at or restore to favourable conservation status the water-dependent habitats and species for which the Protected Area is designated". Where this term is used in the River Basin Management Plans, the above definition applies.

phosphate. This can be for a number of reasons, for example the size and scale of water bodies under the Water Framework Directive may be larger than waters identified as protected areas; or the use of a particular environmental standard or condition is different under the Water Framework Directive compared with the EC Habitats and Birds Directives. It is possible for a water body to meet the objectives for 'good status' but fail the Natura 2000 Protected Area objective of maintenance of, or restoration to, favourable conservation status. It is also possible to meet favourable conservation status (for example for salmon) but fail to achieve 'good status' in a coincident water body (for example for fish since the Water Framework Directive requires action to protect and restore a wider range of fish species).

Although the objective to maintain or restore favourable conservation status in Natura 2000 sites is mandated by the EC Habitats and Birds Directives, there is no specific date for achieving it. The Water Framework Directive introduces the 2015 deadline, which applies to the Natura 2000 Protected Areas (water dependent SACs and SPAs) listed in this annex. If the protected area is also a 'water body', or forms part of a 'water body', the deadline for restoration to favourable conservation status may be extended where the conditions in Article 4.4 of the Water Framework Directive are met. If the protected area is not a water body, for example fens and bogs, the deadline for achievement of favourable conservation status cannot be extended.

D.5 Compliance (results of monitoring)[4]

Drinking Water Protected Areas

Groundwater

The Groundwater Directive (2006/118/EC) requires that for good chemical status to be achieved, for groundwater bodies, DrWPA objectives must be met. Therefore one of the five quality elements for groundwater considers drinking water protection (Article 7 compliance is an integral part of groundwater chemical status). The results for all quality elements for groundwater are shown in Annex B tables. The specific results of the DrWPA assessment are shown in Figures D.14, D.15 and D.16. Figure D.14 also identifies the risk of failure of this objective, the pollutant(s) causing the failure (where relevant) and proposed Safeguard Zones. Safeguard Zones are areas in which actions will be targeted to tackle the specific causes of DrWPA objective failure, or risk of failure. Further details on actions can be found in Annex C. Where a water body will not achieve good status by 2015 an alternative objective has been set and justification for this can be found in Annex B and explained in Annex E.

Figure D.14 Results of monitoring for groundwater DrWPAs (including risk of failure and proposed safeguard zones)

GWB ID	Groundwater DrWPA name	Risk	Compliance status (good, poor)	Chemical causing poor status	Proposed Safeguard Zones
GWB ID	Groundwater DrWPA name	Risk	Compliance status (good, poor)	Chemical causing poor status	Proposed Safeguard Zones

[4] EC Guideline standards (rather than UK Guideline) are used for Protected Area reporting purposes in line with directive reporting to the European Commission.

GWB ID	Groundwater DrWPA name	Risk	Compliance status (good, poor)	Chemical causing poor status	Proposed Safeguard Zones
GB40601G401100	South Essex Thurrock Chalk	At Risk	POOR	AMMONIA - AS N	Not yet defined/not required
GB40601G500300	North Kent Medway Chalk	At Risk	POOR	NITRATE AS NO3	BOROUGH GREEN, CUXTON, DENE FARM CUXTON, HIGHAM, SOUTHFLEET, STROOD, WINDMILL HILL
GB40601G500400	Kent Greensand Middle	Probably At Risk	GOOD		BOROUGH GREEN
GB40601G500500	Kent Greensand Western	Probably At Risk	GOOD		Not yet defined/not required
GB40601G501300	Basingstoke Chalk	At Risk	POOR	SIMAZINE	BOXALLS LANE (CHALK)
GB40601G501700	North Kent Swale Chalk	Probably At Risk	GOOD		GORE, THROWLEY
GB40601G501800	West Kent Darent and Cray Chalk	At Risk	POOR	NITRATE AS NO3	ARJO B, BEXLEY, CRAYFORD, FAWKHAM, FOOTS CRAY, GREEN STREET, NORTH ORPINGTON, ORPINGTON, WANSHUNT, WESTERHAM, WILMINGTON
GB40601G600100	Alton Upper Greensand	Probably Not At Risk	GOOD		Not yet defined/not required
GB40601G600400	Burford Jurassic	At Risk	POOR	DISSOLVED CR	FAIRFORD, OLD CHALFORD, PINNOCK, SEVEN SPRINGS, SHEAFHOUSE WTW - BLOCKLEY & DOVEDALE SOURCE, SYREFORD
GB40601G600900	Berkshire Downs Chalk	At Risk	POOR	NITRATE AS NO3	ASHDOWN PARK WTW - FOGNAM DOWN & ASHDOWN PARK SOURCES, AXFORD, BEDWYN, BRADFIELD, GATEHAMPTON, HUNGERFORD, LECKHAMPSTEAD, MANOR ROAD (WANTAGE),

GWB ID	Groundwater DrWPA name	Risk	Compliance status (good, poor)	Chemical causing poor status	Proposed Safeguard Zones
					MARBOROUGH, OGBOURNE, TIDWORTH GARRISON BOREHOLE (MOD), WOODS FARM
GB40601G601000	Vale of White Horse Chalk	At Risk	POOR	NITRATE AS NO3	MANOR ROAD (WANTAGE)
GB40601G601100	South-West Chilterns Chalk	Probably At Risk	GOOD		BOURNE END, HAMPDEN, HARPSDEN, PANN MILL, PLAYHATCH, SHEEPLANDS
GB40601G601200	Mid-Chilterns Chalk	At Risk	POOR	DIURON, TERBUTRYN , TETRACHLOROETHENE (PER/TETRACHLOROETHYLENE)	BERKHAMPSTEAD, HAMPDEN, PANN MILL, RUNLEY WOOD, VALE OF ST ALBANS
GB40601G601900	Godalming Lower Greensand	At Risk	POOR	NITRATE AS NO3	BOXALLS LANE (CHALK), BOXALLS LANE (LGS)
GB40601G602000	Reigate Lower Greensand	Probably At Risk	GOOD		Not yet defined/not required
GB40601G602100	Dorking North Downs Chalk	Probably At Risk	GOOD		DAPDUNE RD, LADYMEAD
GB40601G602200	Epsom North Downs Chalk	Probably At Risk	GOOD		ADDINGTON, CHEAM, EAST ST EPSOM, NOSUCH, OAKS, SECOMBE CENTRE, SURREY STREET, SUTTON/SUTTON COURT RD, WADDON, WEST WICKHAM
GB40601G602600	Maidenhead Chalk	Probably At Risk	GOOD		COLLEGE AVENUE, SHEEPLANDS
GB40601G602900	Upper Lee Chalk	At Risk	POOR	NITRATE AS NO3	KINGS WALDEN, RUNLEY WOOD, VALE OF ST ALBANS
GB40601G603000	Upper Bedford Ouse Chalk	Probably At Risk	GOOD		RUNLEY WOOD
GB40601G603100	Tackley Jurassic	Probably Not At Risk	GOOD		Not yet defined/not required
GB40601G604100	Chiltern Chalk Scarp	Probably At Risk	GOOD		GATEHAMPTON

GWB ID	Groundwater DrWPA name	Risk	Compliance status (good, poor)	Chemical causing poor status	Proposed Safeguard Zones
GB40602G401000	South Essex Lower London Tertiaries	Probably Not At Risk	GOOD		Not yet defined/not required
GB40602G401200	North Mymms Tertiaries	Probably Not At Risk	GOOD		Not yet defined/not required
GB40602G500200	North Kent Tertiaries	Probably At Risk	GOOD		GORE

Figure D.15 Results of monitoring for groundwater DrWPAs

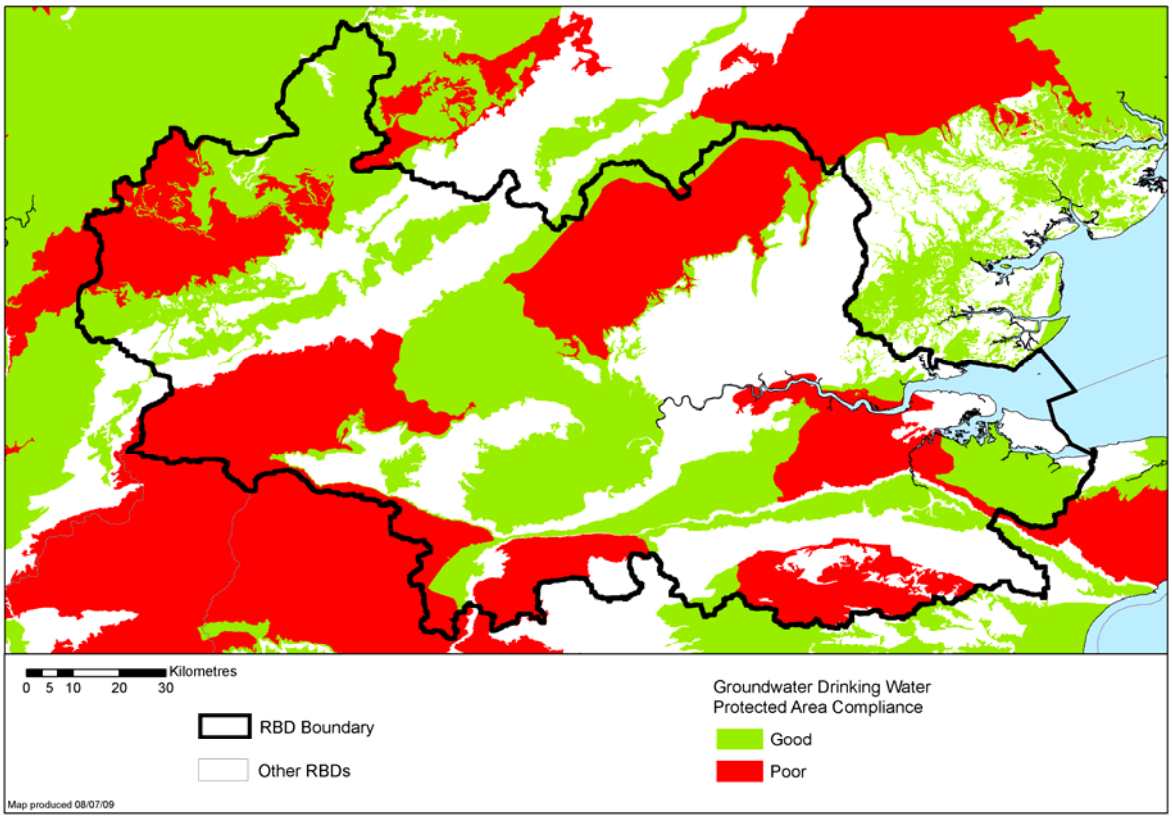
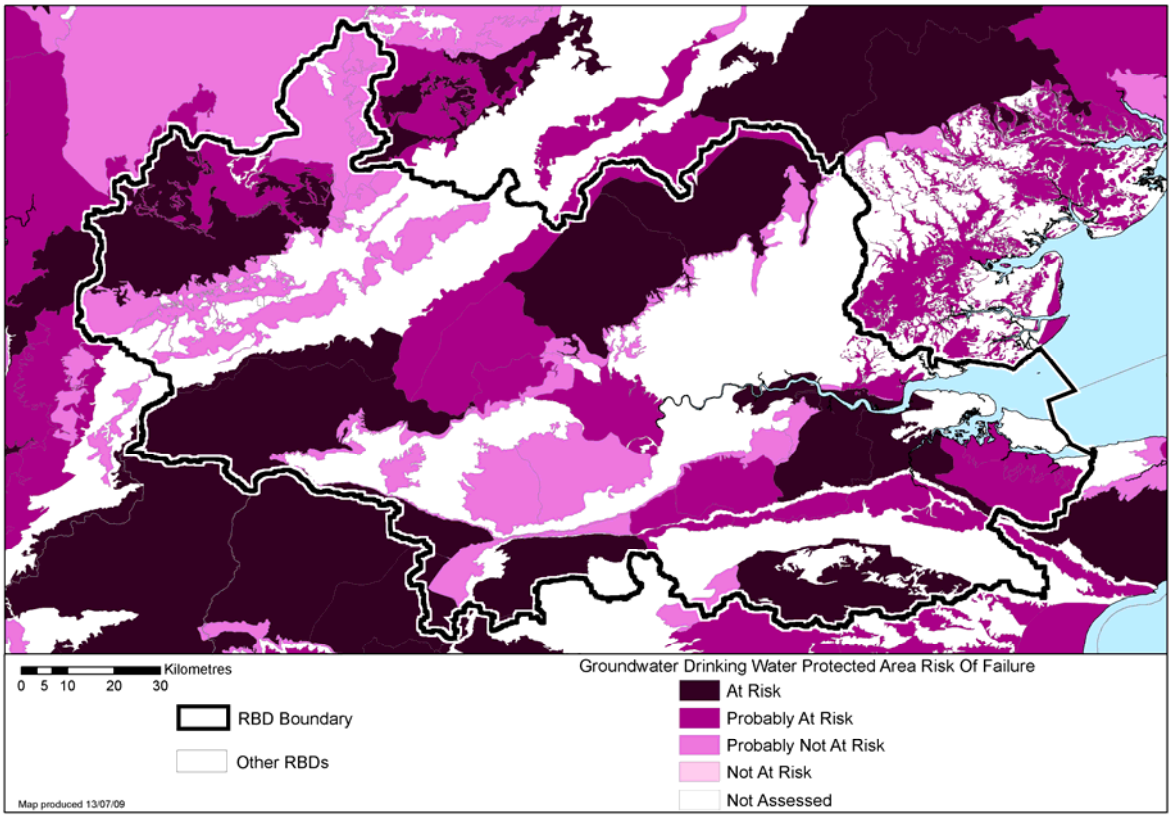


Figure D.16 Results of monitoring for groundwater DrWPAs (risk of failure)



Surface water

The Drinking Water Inspectorate (DWI) are responsible for monitoring and reporting compliance against the Drinking Water Directive (DWD) to meet the requirements of Article 7.2 and will continue to carry out these procedures.

The surface water compliance test to meet the requirements of Article 7.3 is based on the quality of water in the environment at the point of abstraction. Surface water DrWPAs are divided here into those where high confidence of failure is assured (included in Figure D.18) and those where further monitoring is required to confirm failure (included in Figure D.19). Both high and low confidence results are presented as a map in Figure D.17.

All surface water DrWPAs are water bodies. Their water body current status and objectives under the Water Framework Directive are shown in Annex B. The associated actions are shown in Annex C.

For surface water DrWPAs, actions are included in Figures D.18 and D.19 and are also listed according to contributing sector in Annex C. Where a surface water DrWPA will not achieve its objective by 2015, and the conditions for relying on one of the derogations contained in Article 4 of the Water Framework Directive are satisfied, an alternative objective has been set and justification for this can be found in figure D.18. Details are included in Annex E.

Figure D.17 Risk assessment results for surface water DrWPAs

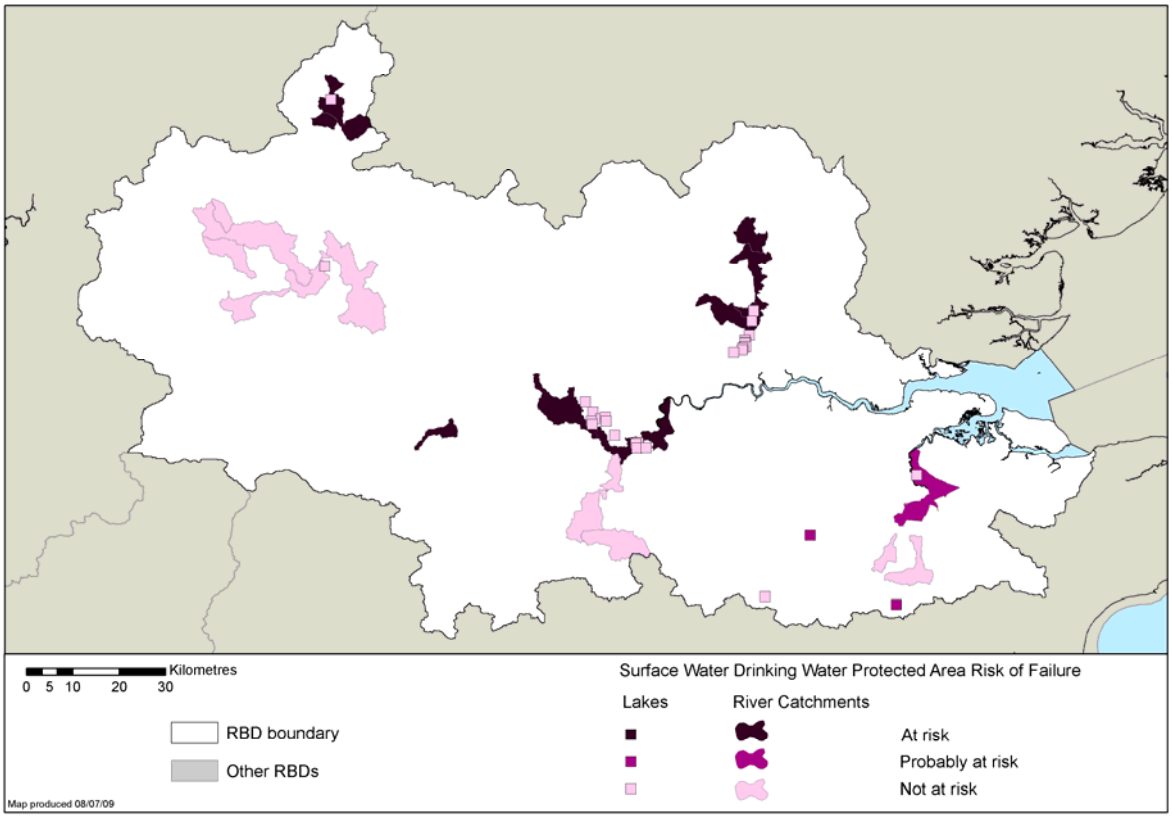


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Figure D.18 Actions for surface water DrWPAs at risk of failure (high confidence)

SW DrWPA ID	SW DrWPA name	Parameter	Action	Affected Sector	Contributing Sector	Lead Organisation	Alternative Objective	Justification	Decision Tree Ref
GB106039023231	Thames (Cookham to Egham)	Metaldehyde	Develop detailed 5-year Catchment Action Plan for Safeguard Zone. Proactive implementation of Metaldehyde Steering Group 'Get Pelletwise' measures.	Water companies	Agriculture and rural land management	Environment Agency	N/A	N/A	N/A
GB106038033240	Lee Navigation (Hertford and Ware)	Metaldehyde	Develop detailed 5-year Catchment Action Plan for Safeguard Zone. Proactive implementation of Metaldehyde Steering Group 'Get Pelletwise' measures	Water companies	Agriculture and rural land management	Environment Agency	N/A	N/A	N/A
GB106038027950	Lee Navigation Subsiduary A	Metaldehyde	Develop detailed 5-year Catchment Action Plan for Safeguard Zone. Proactive implementation of Metaldehyde Steering Group 'Get Pelletwise' measures	Water companies	Agriculture and rural land management	Environment Agency	N/A	N/A	N/A
GB106038027960	Salmons Brook	Metaldehyde	Develop detailed 5-year Catchment Action Plan for Safeguard Zone. Proactive implementation of Metaldehyde Steering Group 'Get Pelletwise' measures	Water companies	Agriculture and rural land management	Environment Agency	N/A	N/A	N/A
GB106038077851	Lee (from Woolens Brook down to Tottenham Locks)	Metaldehyde	Develop detailed 5-year Catchment Action Plan for Safeguard Zone. Proactive implementation of Metaldehyde Steering Group 'Get Pelletwise' measures	Water companies	Agriculture and rural land management	Environment Agency	N/A	N/A	N/A

SW DrWPA ID	SW DrWPA name	Parameter	Action	Affected Sector	Contributing Sector	Lead Organisation	Alternative Objective	Justification	Decision Tree Ref
GB106038027950	Lee Navigation Subsiduary A	Metaldehyde	Develop detailed 5-year Catchment Action Plan for Safeguard Zone. Proactive implementation of Metaldehyde Steering Group 'Get Pelletwise' measures	Water companies	Agriculture and rural land management	Environment Agency	N/A	N/A	N/A
GB106039023232	Thames (Egham to Teddington)	Metaldehyde	Develop detailed 5-year Catchment Action Plan for Safeguard Zone. Proactive implementation of Metaldehyde Steering Group 'Get Pelletwise' measures	Water companies	Agriculture and rural land management	Environment Agency	N/A	N/A	N/A
GB106039023120	Kennet and Foudry Brook and Clayhill Brook in Reading	Metaldehyde	Develop detailed 5-year Catchment Action Plan for Safeguard Zone. Proactive implementation of Metaldehyde Steering Group 'Get Pelletwise' measures	Water companies	Agriculture and rural land management	Environment Agency	N/A	N/A	N/A
GB106039037310	Cherwell (Cropredy to Nell Bridge)	Metaldehyde	Develop detailed 5-year Catchment Action Plan for Safeguard Zone. Proactive implementation of Metaldehyde Steering Group 'Get Pelletwise' measures	Water companies	Agriculture and rural land management	Environment Agency	N/A	N/A	N/A
GB106039037260	Sor Brook (Broughton to Adderbury)	Metaldehyde	Develop detailed 5-year Catchment Action Plan for Safeguard Zone. Proactive implementation of Metaldehyde Steering Group 'Get Pelletwise' measures	Water companies	Agriculture and rural land management	Environment Agency	N/A	N/A	N/A

Figure D.19 Actions for surface water DrWPAs at risk of failure (low confidence)

SW DrWPA ID	SW DrWPA name	Parameter	Action	Affected Sector	Contributing Sector	Lead Organisation
GB106038027950	Lee Navigation Subsiduary A	Propyzamide	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106038027950	Lee Navigation Subsiduary A	Chlortoluron	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106038027950	Lee Navigation Subsiduary A	Carbetamide	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106038027960	Salmons Brook	Propyzamide	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Chemicals Regulation Directorate
GB106038027960	Salmons Brook	Carbetamide	further monitoring/investigations to confirm risk of failure. Address issue as priority action within this VI Pilot Catchment	water companies	Agriculture and rural land management	Pesticides Voluntary Initiative
GB106038033240	Lee Navigation (Hertford and Ware)	Bromate	further monitoring/investigations to confirm risk of failure	water companies	Industry, Manufacturing and other Business	Environment Agency
GB106038033240	Lee Navigation (Hertford and Ware)	Propyzamide	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Chemicals Regulation Directorate
GB106038033240	Lee Navigation (Hertford and Ware)	Chlortoluron	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106038033240	Lee Navigation (Hertford and Ware)	Carbetamide	further monitoring/investigations to confirm risk of failure. Address issue as priority action within this VI Pilot Catchment	water companies	Agriculture and rural land management	Pesticides Voluntary Initiative

SW DrWPA ID	SW DrWPA name	Parameter	Action	Affected Sector	Contributing Sector	Lead Organisation
GB106038077851	Lee (from Woolens Brook down to Tottenham Locks)	Propyzamide	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Chemicals Regulation Directorate
GB106038077851	Lee (from Woolens Brook down to Tottenham Locks)	Chlortoluron	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106038077851	Lee (from Woolens Brook down to Tottenham Locks)	Carbetamide	further monitoring/investigations to confirm risk of failure. Address issue as priority action within this VI Pilot Catchment	water companies	Agriculture and rural land management	Pesticides Voluntary Initiative
GB106039023231	Bray Abstraction (River Thames, Cookham to Egham)	Metaldehyde	further monitoring/investigations to confirm risk of failure	Water companies	Agriculture and rural land management	Environment Agency
GB106039023232	Thames (Egham to Teddington)	MCPA	Address issue as priority action within this VI Pilot Catchment	water companies	Agriculture and rural land management	Pesticides Voluntary Initiative
GB106039023232	Thames (Egham to Teddington)	Fluroxypyr	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106039023232	Thames (Egham to Teddington)	Bentazone	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106039023232	Thames (Egham to Teddington)	2,4-D	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106039023232	Thames (Egham to Teddington)	Isoproturon	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency

SW DrWPA ID	SW DrWPA name	Parameter	Action	Affected Sector	Contributing Sector	Lead Organisation
GB106039023232	Thames (Egham to Teddington)	Chlortoluron	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106039023232	Thames (Egham to Teddington)	Diuron	further monitoring/investigations to confirm risk of failure	water companies	Urban and transport	Environment Agency
GB106039023232	Thames (Egham to Teddington)	Carbetamide	further monitoring/investigations to confirm risk of failure. Address issue as priority action within this VI Pilot Catchment	water companies	Agriculture and rural land management	Pesticides Voluntary Initiative
GB106039023232	Thames (Egham to Teddington)	Metazachlor	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106039023232	Thames (Egham to Teddington)	Simazine	Address issue as priority action within this VI Pilot Catchment	water companies	Agriculture and rural land management	Pesticides Voluntary Initiative
GB106039023232	Thames (Egham to Teddington)	Terbutryn	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106039023232	Thames (Egham to Teddington)	Mecoprop	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106039023232	Thames (Egham to Teddington)	Carbetamide	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106039037260	Sor Brook (Broughton to Adderbury)	Mecoprop	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106039037260	Sor Brook (Broughton to Adderbury)	Nitrate	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency

SW DrWPA ID	SW DrWPA name	Parameter	Action	Affected Sector	Contributing Sector	Lead Organisation
GB106039037260	Sor Brook (Broughton to Adderbury)	Carbetamide	further monitoring/investigations to confirm risk of failure. Address issue as priority action within this VI Pilot Catchment	water companies	Agriculture and rural land management	Pesticides Voluntary Initiative
GB106039037260	Sor Brook (Broughton to Adderbury)	Chlortoluron	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106039037310	Cherwell (Cropredy to Nell Bridge)	Mecoprop	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106039037310	Cherwell (Cropredy to Nell Bridge)	Propyzamide	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106039037310	Cherwell (Cropredy to Nell Bridge)	Carbetamide	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Chemicals Regulation Directorate
GB106039037310	Cherwell (Cropredy to Nell Bridge)	Chlortoluron	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106039037310	Cherwell (Cropredy to Nell Bridge)	Nitrate	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106040018440	Medway at Maidstone	Carbendazim	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106040018440	Medway at Maidstone	Chlortoluron	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106040018440	Medway at Maidstone	Dalapon	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency

SW DrWPA ID	SW DrWPA name	Parameter	Action	Affected Sector	Contributing Sector	Lead Organisation
GB106040018440	Medway at Maidstone	Diuron	This substance has been banned/shortly to be withdrawn from use in the UK. No further measures should be required although surveillance monitoring will be done to confirm this.	water companies	Urban and transport	Chemicals Regulation Directorate
GB106040018440	Medway at Maidstone	Isoproturon	This substance has been banned/shortly to be withdrawn from use in the UK. No further measures should be required although surveillance monitoring will be done to confirm this.	water companies	Agriculture and rural land management	Chemicals Regulation Directorate
GB106040018440	Medway at Maidstone	Linuron	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106040018440	Medway at Maidstone	Mecoprop	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106040018440	Medway at Maidstone	Propyzamide	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106040018440	Medway at Maidstone	Simazine	This substance has been banned/shortly to be withdrawn from use in the UK. No further measures should be required although surveillance monitoring will be done to confirm this.	water companies	Agriculture and rural land management	Chemicals Regulation Directorate
GB106040018440	Medway at Maidstone	Trichloroacetic Acid	further monitoring/investigations to confirm risk of failure	water companies	Agriculture and rural land management	Environment Agency
GB106040018440	River Medway	Metaldehyde	further monitoring/investigations to confirm risk of failure	Water companies	Agriculture and rural land management	Environment Agency
GB106040018440	Medway at Maidstone	Carbendazim	further monitoring/investigations to confirm risk of failure	Water companies	Agriculture and rural land management	Environment Agency

SW DrWPA ID	SW DrWPA name	Parameter	Action	Affected Sector	Contributing Sector	Lead Organisation
GB106040018440	Medway at Maidstone	Chlortoluron	further monitoring/investigations to confirm risk of failure	Water companies	Agriculture and rural land management	Environment Agency
GB106040018440	Medway at Maidstone	Dalapon	further monitoring/investigations to confirm risk of failure	Water companies	Agriculture and rural land management	Environment Agency
GB106040018440	Medway at Maidstone	Diuron	This substance has been banned/shortly to be withdrawn from use in the UK. No further measures should be required although surveillance monitoring will be done to confirm this.	Water companies	Agriculture and rural land management	Environment Agency
GB106040018440	Medway at Maidstone	Isoproturon	This substance has been banned/shortly to be withdrawn from use in the UK. No further measures should be required although surveillance monitoring will be done to confirm this.	Water companies	Agriculture and rural land management	Environment Agency
GB106040018440	Medway at Maidstone	Linuron	further monitoring/investigations to confirm risk of failure	Water companies	Agriculture and rural land management	Environment Agency
GB106040018440	Medway at Maidstone	Propyzamide	further monitoring/investigations to confirm risk of failure	Water companies	Agriculture and rural land management	Environment Agency
GB106040018440	Medway at Maidstone	Simazine	This substance has been banned/shortly to be withdrawn from use in the UK. No further measures should be required although surveillance monitoring will be done to confirm this.	Water companies	Agriculture and rural land management	Environment Agency
GB106040018440	Medway at Maidstone	Trichloroacetic Acid	further monitoring/investigations to confirm risk of failure	Water companies	Agriculture and rural land management	Environment Agency
GB30643602	Bough Beech Reservoir	Mecoprop	further monitoring/investigations to confirm risk of failure. Water industry catchment scheme to address diffuse pollution in the catchment	water companies	Agriculture and rural land management	Environment Agency

SW DrWPA ID	SW DrWPA name	Parameter	Action	Affected Sector	Contributing Sector	Lead Organisation
GB30643602	Bough Beech Reservoir	Propyzamide	further monitoring/investigations to confirm risk of failure. Water industry catchment scheme to address diffuse pollution in the catchment	water companies	Agriculture and rural land management	Environment Agency
GB30643602	Bough Beech Reservoir	Metaldehyde	Investigate reasons for failure. Water industry scheme to address diffuse pollution in the catchment. Develop detailed 5-year Catchment Action Plan for Safeguard Zone. Proactive implementation of Metaldehyde Steering Group 'Get Pelletwise' measures	water companies	Agriculture and rural land management	Environment Agency
GB30644398	Bewl Water	Chlortoluron	Re-direct existing CSF resource to address issue.	water companies	Agriculture and rural land management	Natural England
GB30644398	Bewl Water	Metaldehyde	further monitoring/investigations to confirm risk of failure	Water companies	Agriculture and rural land management	Environment Agency
GB30644398	Bewl Water	Chlortoluron	further monitoring/investigations to confirm risk of failure	Water companies	Agriculture and rural land management	Environment Agency

Economically Significant Species (Freshwater Fish Waters)

Compliance against objectives for freshwater fish waters has been assessed using the relevant monitoring data from 2008.The results are shown in Figure D.20. The results are also presented as a map in Figure D.21.

Figure D.20 Results of monitoring for economically significant species (freshwater fish waters)

Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status[(a)] (guideline pass, imperative pass, fail)
Mardyke - Aveley Tributary To T B M Intake	Cyprinid	Guideline fail / Imperative pass
Mardyke - Stifford To Aveley Tributary	Cyprinid	Guideline fail / Imperative pass
Mardyke - Stifford Clays To Stifford Bridge	Cyprinid	Guideline fail / Imperative pass
Mardyke - Confluence Of The Tributaries To Stifford Clays	Cyprinid	Guideline fail / Imperative pass
Ingrebourne - Riverside Stw - Thames	Cyprinid	Guideline fail / Imperative pass
Ingrebourne - Harold Court Road - Riverside Stw	Cyprinid	Guideline fail / Imperative pass
Ingrebourne - Brentwood Stw - Harold Court Road	Cyprinid	Guideline fail / Imperative pass
Ingrebourne - Bk Street - Brentwood Stw	Cyprinid	Guideline fail / Imperative pass
Roding - Woodford Bridge - Six Gates Sluice	Cyprinid	Guideline fail / Imperative pass
Roding - Chigwell Stw (Closed) - Woodford Bridg	Cyprinid	Guideline fail / Imperative pass
Roding - Abridge - Chigwell Stw (Closed)	Cyprinid	Guideline fail / Imperative pass
Roding - Brookhouse Bk - Abridge	Cyprinid	Guideline fail / Imperative pass
Roding - Extension To Source	Cyprinid	Guideline fail / Imperative pass
Cripsey Brook - Delved Bridge - Moreton Bridge	Cyprinid	Guideline fail / Imperative pass
Cripsey Brook - Thornwood - Delved Bridge	Cyprinid	Guideline fail / Imperative pass
Lee - Carpenters Road - Thames	Cyprinid	Guideline fail / Imperative pass
Lee - Lea Bridge Weir - Carpenters Road	Cyprinid	Guideline fail / Imperative pass
Lee - Springhill - Lea Bridge Weir	Cyprinid	Guideline fail / Imperative pass
Lee - Tottenham Lock - Springhill	Cyprinid	Guideline fail / Imperative pass

Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status[(a)] (guideline pass, imperative pass, fail)
Lee - Waterhall - Rib	Salmonid	Guideline fail / Imperative pass
Lee - Holwell Bridge - Waterhall	Salmonid	Guideline fail / Imperative pass
Lee - Stanborough - Holwell Bridge	Salmonid	Guideline fail / Imperative pass
Lee - Wheathamstead - Stanborough	Salmonid	Guideline fail / Imperative pass
Lee - East Hyde Bridge - Wheathamstead	Cyprinid	Guideline fail / Imperative pass
Lee - Luton Stw - East Hyde Bridge	Cyprinid	Guideline fail / Imperative pass
Lee - Luton Hoo Lakes - Luton Stw	Cyprinid	Guideline fail / Imperative pass
Lee - Leagrave - Luton Hoo Lakes	Cyprinid	Guideline fail / Imperative pass
Lee - Sundon Park - Leagrave	Cyprinid	Guideline fail / Imperative pass
Lee (Navigation A) - Lea Bridge Weir - Bow	Cyprinid	Guideline fail / Imperative pass
Turkey Brook - Source - Small Lee	Cyprinid	Guideline fail / Imperative fail
Cuffley Brook - Source - Turkey Brook	Cyprinid	Guideline fail / Imperative fail
Cobbins Brook - Source - Lee	Cyprinid	Guideline fail / Imperative pass
Stort - Extension To Source	Cyprinid	Guideline fail / Imperative pass
Pincey Brook - Stansted Airport - Stort	Cyprinid	Guideline fail / Imperative pass
Great Hallingbury Brook - Source - Bishops Strortford Stw	Cyprinid	Guideline fail / Imperative pass
Stansted Brook - Source - Stort	Cyprinid	Guideline fail / Imperative pass
Ash - Extension To Source	Cyprinid	Guideline fail / Imperative pass
Rib - Extension To Source	Cyprinid	Guideline fail / Imperative pass
Quin - Extension To Source	Salmonid	Guideline fail / Imperative pass
Stevenage Brook - Source - Beane	Cyprinid	Guideline fail / Imperative pass
Stevenage Brook - Extension To Source	Cyprinid	Guideline fail / Imperative pass
Mimram - Extension To Source	Salmonid	Guideline fail / Imperative pass

Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status[(a)] (guideline pass, imperative pass, fail)
Thames - Bydemill Brook - Coln	Cyprinid	Guideline pass / Imperative pass
Thames - Source - Swill Bk	Cyprinid	Guideline pass / Imperative pass
Ravensbourne - Pool - Tideway	Cyprinid	Guideline fail / Imperative pass
Ravensbourne - Rookery Lake - Pool	Cyprinid	Guideline fail / Imperative pass
Ravensbourne - Extension To Source	Cyprinid	Guideline fail / Imperative pass
Pool - Source - Ravensbourne	Cyprinid	Guideline fail / Imperative pass
Wandle - Beddington Eff D - Tideway	Cyprinid	Guideline fail / Imperative pass
Beverley Brook - Pyl Bk - Tideway	Cyprinid	Guideline fail / Imperative pass
Beverley Brook - Worcester Park Stw - Pyl Brook	Cyprinid	Guideline fail / Imperative pass
Brent - Wyke Stream - Tideway	Cyprinid	Guideline fail / Imperative pass
Brent - Costons Brook - Wyke Stream	Cyprinid	Guideline fail / Imperative pass
Brent - Wembley Brook - Costons Brook	Cyprinid	Guideline fail / Imperative pass
Brent - Neasden Lane Swo - Wembley Brook	Cyprinid	Guideline fail / Imperative pass
Brent - Conf Dollis/Mutton Bk - Neasden Lane Swo	Cyprinid	Guideline fail / Imperative pass
Dollis Brook - Hendon - Brent	Cyprinid	Guideline fail / Imperative pass
Dollis Brook - Extension To Source	Cyprinid	Guideline fail / Imperative pass
Crane - Duke Of N's River (Lower) - Tideway	Cyprinid	Guideline fail / Imperative pass
Crane - Yeading Bk - Duke Of N's River (Lower)	Cyprinid	Guideline fail / Imperative pass
Hogsmill - Hogsmill Stw - Thames	Cyprinid	Guideline fail / Imperative pass
Hogsmill - Bourne Hall - Hogsmill Stw	Cyprinid	Guideline fail / Imperative pass
Mole - Dorking STW - River Lane L'head	Cyprinid	Guideline fail / Imperative pass
Mole - Shag Brook - Dorking Stw	Cyprinid	Guideline fail / Imperative pass
Mole - Salfords Stream - Shag Brook	Cyprinid	Guideline fail / Imperative pass

Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status[(a)] (guideline pass, imperative pass, fail)
Mole - Horley Stw - Salfords Stream	Cyprinid	Guideline fail / Imperative pass
Mole - Gatwick Stream - Horley Stw	Cyprinid	Guideline fail / Imperative pass
Mole - Gatwick Pond D - Gatwick Stream	Salmonid	Guideline fail / Imperative pass
Mole - Gatwick Pond B - Gatwick Pond D	Salmonid	Guideline fail / Imperative pass
Salfords Stream - Source - Mole	Salmonid	Guideline fail / Imperative pass
Redhill Brook - Whitehill - Salfords Strm	Salmonid	Guideline fail / Imperative pass
Gatwick Stream - Gatwick Pond E - Mole	Cyprinid	Guideline pass / Imperative pass
Gatwick Stream - Crawley Stw - Gatwick Pond E	Cyprinid	Guideline pass / Imperative pass
Longford - Source - Thames	Salmonid	Guideline fail / Imperative pass
Ash - Ashford Common Wtw - Thames	Cyprinid	Guideline fail / Imperative pass
Ash - Colne - Ashford Common Wtw	Cyprinid	Guideline fail / Imperative pass
Stanford Brook - Henley Park Lake - Rickford Mill	Cyprinid	Guideline fail / Imperative pass
Stanford Brook - Extension To Source	Cyprinid	Guideline fail / Imperative pass
Tillingbourne - Coldharbour - Shere	Salmonid	Guideline fail / Imperative pass
Tillingbourne - Extension To Source	Salmonid	Guideline fail / Imperative pass
Cranleigh Waters - Collins Brook - Water Bridge	Cyprinid	Guideline fail / Imperative pass
Cranleigh Waters - Ellen's Green - Collins Brook	Cyprinid	Guideline fail / Imperative pass
Cranleigh Waters - Extension To Source	Cyprinid	Guideline fail / Imperative pass
Wey (S) - Source - Hammer Vale Bridge	Salmonid	Guideline fail / Imperative pass
Slea - Oakhanger Stream - Wey (South)	Cyprinid	Guideline pass / Imperative pass
Slea - Extension To Source	Cyprinid	Guideline pass / Imperative pass
Wey (N) - Alton - Bentley Stw	Salmonid	Guideline fail / Imperative pass
Bourne (N) - Source - Chertsey Stw	Cyprinid	Guideline fail / Imperative pass

Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status[(a)] (guideline pass, imperative pass, fail)
Stillwater - Virginia Water	Cyprinid	Guideline pass / Imperative pass
Bourne (S) - West End Common - Bourne	Cyprinid	Guideline fail / Imperative pass
Bourne (S) - Extension To Source	Cyprinid	Guideline fail / Imperative pass
Colne - Colney Heath - Blackbirds Stw	Cyprinid	Guideline pass / Imperative pass
Colne - Extension To Source	Cyprinid	Guideline pass / Imperative pass
Wraysbury - Poyle - Colne	Cyprinid	Guideline pass / Imperative pass
Wraysbury - Source - Poyle	Cyprinid	Guideline pass / Imperative pass
Misbourne - Chalfont St.Giles - Gerrards Cross Stw	Salmonid	Guideline fail / Imperative pass
Misbourne - Bury End - Chalfont St.Giles	Salmonid	Guideline fail / Imperative pass
Misbourne - Extension To Source	Salmonid	Guideline fail / Imperative pass
Chess - Source - Chesham Stw	Salmonid	Guideline fail / Imperative pass
Gade - Extension To Source	Salmonid	Guideline fail / Imperative pass
Guc (Pix Farm Reach) - Berkhamsted Stw - Bulbourne	Cyprinid	Guideline fail / Imperative pass
Chalvey D - Slough - Thames	Cyprinid	Guideline fail / Imperative pass
Cut - Heywood Strm - Cannon Hill Bray Wick	Cyprinid	Guideline fail / Imperative pass
Cut - Bracknell Stw - Heywood Stream	Cyprinid	Guideline fail / Imperative pass
Cut - Source - Bracknell Stw	Cyprinid	Guideline fail / Imperative pass
Wye - Glory Mill Backwater - Thames	Salmonid	Guideline fail / Imperative pass
Wye - High Wycombe Stw - Glory Mill Backwater	Salmonid	Guideline fail / Imperative pass
Wye - West Wycombe Park - High Wycombe Stw	Salmonid	Guideline fail / Imperative pass
Wye - Extension To Source	Salmonid	Guideline fail / Imperative pass
Loddon - Source - Basingstoke Stw	Salmonid	Guideline fail / Imperative pass
Blackwater - Sandhurst Stw - Eversley	Cyprinid	Guideline fail / Imperative pass

Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status[(a)] (guideline pass, imperative pass, fail)
Blackwater - Camberley Stw - Sandhurst Stw	Cyprinid	Guideline fail / Imperative pass
Blackwater - Cove Bk - Camberley Stw	Cyprinid	Guideline fail / Imperative pass
Blackwater - Ash Vale Stw - Cove Brook	Cyprinid	Guideline fail / Imperative pass
Blackwater - Aldershot Military Stw - Ash Vale Stw	Cyprinid	Guideline fail / Imperative pass
Blackwater - Aldershot Stw - Aldershot Military Stw	Cyprinid	Guideline fail / Imperative pass
Blackwater - Aldershot - Aldershot Stw	Cyprinid	Guideline fail / Imperative pass
Blackwater - Extension To Source	Cyprinid	Guideline fail / Imperative pass
Hart - Crondall - Fleet Bk	Cyprinid	Guideline fail / Imperative pass
Bow Brook - Ramsdell - Loddon	Cyprinid	Guideline pass / Imperative pass
Bow Brook - Extension To Source	Cyprinid	Guideline pass / Imperative pass
Vyne Stream - Sherborne St.John - Bow Brook	Cyprinid	Guideline fail / Imperative pass
Vyne Stream - Extension To Source	Cyprinid	Guideline fail / Imperative pass
Lyde - Source - Loddon	Salmonid	Guideline fail / Imperative fail
Kennet - West Kennet - Marlborough Stw	Salmonid	Guideline fail / Imperative pass
Kennet - Extension To Source	Salmonid	Guideline fail / Imperative pass
Enborne - West Woodhay - Bishops Green Stw	Salmonid	Guideline fail / Imperative pass
Enborne - Extension To Source	Salmonid	Guideline fail / Imperative pass
Lambourn - Lambourn - Boxford Stw	Salmonid	Guideline fail / Imperative pass
Dun - East Grafton - Kennet	Salmonid	Guideline fail / Imperative pass
Pang - Hampstead Norries - Bradfield Stw	Salmonid	Guideline fail / Imperative pass
Pang - Extension To Source	Salmonid	Guideline fail / Imperative pass
Thame - Fleet Marston Bk - Mains Br Winchendon	Cyprinid	Guideline fail / Imperative pass
Thame - Marsworth - Fleet Marston Brook	Cyprinid	Guideline fail / Imperative pass

Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status[(a)] (guideline pass, imperative pass, fail)
Scotsgrove Brook - Haddenham Stw - Lashlake Stream	Cyprinid	Guideline fail / Imperative pass
Scotsgrove Brook - Little Kimble - Haddenham Stw	Cyprinid	Guideline fail / Imperative pass
Kingsey Cuttle Brook - Source - Scotsgrove Brook	Cyprinid	Guideline fail / Imperative pass
Bear Brook - Wellonhead Stream - Thame	Cyprinid	Guideline fail / Imperative fail
Ock - Stanford In The Vale STW - Bagpuize Bk	Cyprinid	Guideline fail / Imperative pass
Ock - Longcot - Stanford In The Vale STW	Cyprinid	Guideline fail / Imperative pass
Ock - Extension To Source	Cyprinid	Guideline fail / Imperative pass
Childrey Brook - Source - Ock	Cyprinid	Guideline fail / Imperative pass
Cherwell - Source - Banbury Water Intake	Cyprinid	Guideline fail / Imperative pass
Ray (Oxon) - Langford Brook - Gallos Brook	Cyprinid	Guideline fail / Imperative pass
Ray (Oxon) - Grendon Underwood Stw - Langford Brook	Cyprinid	Guideline fail / Imperative fail
Ray (Oxon) - Source - Grendon Underwood Stw	Cyprinid	Guideline fail / Imperative fail
Langford Brook - Bicester Stw - Ray	Cyprinid	Guideline fail / Imperative pass
Langford Brook - Stratton Audley - Bicester Stw	Cyprinid	Guideline fail / Imperative pass
Langford Brook - Extension To Source	Cyprinid	Guideline fail / Imperative pass
Swere - Barford St.Michael Stw - Cherwell	Salmonid	Guideline fail / Imperative pass
Swere - Source - Barford St.Michael Stw	Salmonid	Guideline fail / Imperative pass
Sor Brook - Bloxham Brook - Cherwell	Salmonid	Guideline fail / Imperative pass
Sor Brook - Source - Bloxham Brook	Salmonid	Guideline fail / Imperative pass
Sor Brook - Extension To Source	Salmonid	Guideline fail / Imperative pass
Oxford Canal (Lower) - Kidlington STW - Castle Mill Stream	Cyprinid	Guideline fail / Imperative pass
Oxford Canal (Lower) - Shiptonweir Lock - Kidlington STW	Cyprinid	Guideline fail / Imperative pass
Evenlode - Moreton In Marsh - Cornwell Brook	Salmonid	Guideline fail / Imperative pass

Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status[(a)] (guideline pass, imperative pass, fail)
Glyme - Source - Woodstock Stw	Salmonid	Guideline fail / Imperative pass
Windrush - Taddington - A429 Bourton-On-The-Water	Salmonid	Guideline fail / Imperative pass
Sherbourne Brook - Source - Windrush	Salmonid	Guideline fail / Imperative pass
Dikler - Source - Hyde Mill Stream	Salmonid	Guideline fail / Imperative pass
Cole - Walcot - Tuckmill Brook	Cyprinid	Guideline fail / Imperative pass
Leach - North Leach - Little Faringdon Ffm	Salmonid	Guideline fail / Imperative pass
Coln - Source - Compton Abdale Stream	Salmonid	Guideline fail / Imperative pass
Ray - Swindon Stw - Haydon Wick Brook	Cyprinid	Guideline fail / Imperative pass
Ray - Wroughton Ditch - Swindon Stw	Cyprinid	Guideline fail / Imperative pass
Ray - Source - Wroughton D	Cyprinid	Guideline fail / Imperative pass
Ampney Brook - Extension To Source	Salmonid	Guideline fail / Imperative pass
Darent - Extension To Source	Cyprinid	Guideline fail / Imperative pass
Medway - Extension To Source	Cyprinid	Guideline fail / Imperative pass
Medway - Allington Sluices - Ensfield Bridge E	Cyprinid	Guideline fail / Imperative pass
Medway - Allington Sluices - Ensfield Bridge F	Cyprinid	Guideline fail / Imperative pass
Medway - Allington Sluices - Ensfield Bridge G	Cyprinid	Guideline fail / Imperative pass
Medway - Ensfield Bridge - R. Grom Conf A	Cyprinid	Guideline fail / Imperative pass
Medway - Ensfield Bridge - R. Grom Conf B	Cyprinid	Guideline fail / Imperative pass
Medway - Ensfield Bridge - R. Grom Conf C	Salmonid	Guideline fail / Imperative pass
Medway - Grom Conf - Sunnyside Strm Conf A	Salmonid	Guideline fail / Imperative pass
Medway - Grom Conf - Sunnyside Strm Conf B	Salmonid	Guideline fail / Imperative pass
Medway - Grom Conf - Sunnyside Strm Conf C	Salmonid	Guideline fail / Imperative pass
Medway - Sunnyside Strm Conf - Rashes Farm B	Cyprinid	Guideline fail / Imperative pass

Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status[(a)] (guideline pass, imperative pass, fail)
Len - Medway Conf - Lower Runham A	Cyprinid	Guideline fail / Imperative pass
Len - Medway Conf - Lower Runham B	Cyprinid	Guideline fail / Imperative pass
Len - Medway Conf - Lower Runham C	Cyprinid	Guideline fail / Imperative pass
Len - Medway Conf - Lower Runham D	Salmonid	Guideline fail / Imperative pass
Len - Medway Conf - Lower Runham E	Salmonid	Guideline fail / Imperative pass
Len - Extension To Source	Salmonid	Guideline fail / Imperative pass
Beult - Medway Conf - Bethesden A	Cyprinid	Guideline fail / Imperative pass
Beult - Medway Conf - Bethesden D	Cyprinid	Guideline fail / Imperative pass
Beult - Medway Conf - Bethesden E	Cyprinid	Guideline fail / Imperative pass
Beult - Medway Conf - Bethesden F	Cyprinid	Guideline fail / Imperative pass
Beult - Medway Conf - Bethesden G	Cyprinid	Guideline fail / Imperative pass
Beult - Extension To Source	Cyprinid	Guideline fail / Imperative pass
Hammer Stream - Beult Conf - A262 Road Bridge	Salmonid	Guideline fail / Imperative pass
Hammer Stream - Extension To Source	Salmonid	Guideline fail / Imperative pass
Teise - Medway Conf - Dundle E	Cyprinid	Guideline fail / Imperative pass
Teise - Medway Conf - Dundle F	Cyprinid	Guideline fail / Imperative pass
Teise - Extension To Source	Cyprinid	Guideline fail / Imperative pass
Bourne - Medway Conf - D/S Hadlow Stw	Cyprinid	Guideline fail / Imperative pass
Bourne - D/S Hadlow Stw - Hamptons Roadbridge	Cyprinid	Guideline fail / Imperative pass
Bourne - Hamptons Roadbridge - D/S Darkmill Far	Salmonid	Guideline fail / Imperative pass
Bourne - Dark Mill Farm - Kentish White Brick C	Salmonid	Guideline fail / Imperative pass
Bourne - Extension To Source	Salmonid	Guideline fail / Imperative pass
Eden - Medway Conf - Haxted Mill D	Cyprinid	Guideline fail / Imperative pass

Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status[(a)] (guideline pass, imperative pass, fail)
Eden - Haxted Mill - Oxted Stw A	Cyprinid	Guideline fail / Imperative pass
Eden - Haxted Mill - Oxted Stw B	Cyprinid	Guideline fail / Imperative pass
Eden - Haxted Mill - Oxted Stw C	Cyprinid	Guideline fail / Imperative pass
Eden - Extension To Source	Cyprinid	Guideline fail / Imperative pass
Eridge Stream - Medway Conf - Eridge Station	Salmonid	Guideline fail / Imperative pass
Eridge Stream - Eridge Station - D/S Redgate Mill Farm	Salmonid	Guideline fail / Imperative pass
Eridge Stream - D/S Redgate Mill Farm - Redgate Mill S	Salmonid	Guideline fail / Imperative pass
Eridge Stream - Redgate Mill Stw - U/S Redgate Mill	Salmonid	Guideline fail / Imperative pass
Eridge Stream - Extension To Source	Salmonid	Guideline fail / Imperative pass
Sunnyside Stream - Medway Conf - Luxford Lane Stw	Cyprinid	Guideline fail / Imperative pass
Sunnyside Stream - Extension To Source	Cyprinid	Guideline fail / Imperative pass
River Cherwell - Kings Sutton Stream - B4031, Clifton	Cyprinid	Guideline fail / Imperative pass
River Cole - Acorn Bridge - Tuckmill Brook	Cyprinid	Guideline fail / Imperative pass
River Thames - Kennet - Loddon	Cyprinid	Guideline pass / Imperative pass
River Thames - Loddon - Fawley Court Stream	Cyprinid	Guideline pass / Imperative pass
River Thames - Fawley Court Stream - Cut	Cyprinid	Guideline fail / Imperative pass
River Thames - Cut - Boveney Weir	Cyprinid	Guideline fail / Imperative pass
River Thames - Boveney Weir - Romney Lock Cut	Cyprinid	Guideline fail / Imperative pass
River Thames - Romney Lock Cut - Windsor Stw	Cyprinid	Guideline fail / Imperative pass
River Thames - Windsor Stw - Wey	Cyprinid	Guideline pass / Imperative pass
River Thames - Wey - Mole	Cyprinid	Guideline fail / Imperative pass
River Thames - Mole - Hogsmill	Cyprinid	Guideline fail / Imperative pass
River Thames - Hogsmill - Teddington	Cyprinid	Guideline fail / Imperative pass
River Cole - Tuckmill Brook - Thames	Cyprinid	Guideline fail / Imperative pass
Tillingbourne - Sutton Brook - Albury Fish Farm	Salmonid	Guideline fail / Imperative pass

Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status[(a)] (guideline pass, imperative pass, fail)
Tillingbourne - Albury Fish Farm - Wey	Salmonid	Guideline fail / Imperative pass
Wandle (Beddington) - Waddon Ponds - Wandle	Cyprinid	Guideline fail / Imperative pass
Wandle (Carshalton) - Source - Wandle	Cyprinid	Guideline pass / Imperative pass
River Wandle - Confluence Of Two Arms - Beddington Stw	Cyprinid	Guideline fail / Imperative pass
River Wey - Tilford - Godalming Stw	Cyprinid	Guideline fail / Imperative pass
River Wey - Godalming Stw - Tillingbourne	Cyprinid	Guideline fail / Imperative pass
River Wey - Tillingbourne - Wisley	Cyprinid	Guideline fail / Imperative pass
River Wey - Wisley - Thames	Cyprinid	Guideline fail / Imperative pass
Wey (North) - Mill Crt Bridge Wyck - Bentley Stw	Salmonid	Guideline fail / Imperative pass
River Coln - Withington Stw - Compton Abdale Stream	Salmonid	Guideline fail / Imperative pass
Wey (North) - Bentley Stw - Farnham Park Trib	Salmonid	Guideline fail / Imperative pass
Wey (North) - Farnham Park Trib - Wey	Cyprinid	Guideline fail / Imperative pass
Wey (South) - Hammer Vale Bridge - Bordon Stw	Cyprinid	Guideline fail / Imperative pass
Wey (South) - Bordon Stw - Wey	Cyprinid	Guideline fail / Imperative pass
Wey Navigation (Pyrford Reach) - Source - Wey	Cyprinid	Guideline fail / Imperative pass
Wey Navigation (Send Reach) - Source - Wey	Cyprinid	Guideline fail / Imperative pass
Wey Navigation (Tiltham Reach) - Source - Wey	Cyprinid	Guideline fail / Imperative pass
River Whitewater - Source - Hart	Salmonid	Guideline fail / Imperative pass
River Whitewater - Hart - Blackwater	Salmonid	Guideline fail / Imperative pass
River Ash - Much Hadham (B4001) - Wareside Stw	Cyprinid	Guideline fail / Imperative pass
River Coln - Compton Abdale Stream - Bibury Trout Farm	Salmonid	Guideline pass / Imperative pass
River Ash - Wareside Stw - Lee	Cyprinid	Guideline fail / Imperative pass
River Beane - Stevenage Brook - Watton At Stone	Cyprinid	Guideline fail / Imperative pass
River Beane - Watton At Stone - Lee	Cyprinid	Guideline fail / Imperative pass
River Chess - Bois Mill - Chenies	Salmonid	Guideline fail / Imperative pass
River Chess - Chenies - Colne	Salmonid	Guideline fail / Imperative pass

Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status[(a)] (guideline pass, imperative pass, fail)
Colne Brook - Iver (N) Stw - Thames	Cyprinid	Guideline fail / Imperative pass
River Colne - London Colney - Blackbirds Stw	Cyprinid	Guideline pass / Imperative pass
River Colne - Blackbirds Stw - Hartsbourne	Cyprinid	Guideline pass / Imperative pass
River Colne - Hartsbourne - Gade/Guc	Cyprinid	Guideline fail / Imperative pass
River Colne - Gade/Guc - Chess	Cyprinid	Guideline pass / Imperative pass
River Coln - Bibury Trout Farm - Fairford Mill	Salmonid	Guideline fail / Imperative pass
River Colne - Chess - Guc (Harefield Reach)	Cyprinid	Guideline pass / Imperative pass
River Colne - Guc (Harefield Reach) - Misbourne	Cyprinid	Guideline fail / Imperative pass
River Colne - Misbourne - Thames	Cyprinid	Guideline pass / Imperative pass
Cripsey Brook - Moreton Bridge - Roding	Cyprinid	Guideline fail / Imperative pass
River Gade - Gt. Gaddesdon - Bulbourne	Salmonid	Guideline fail / Imperative pass
River Gade - Bulbourne - Croxley Mill	Salmonid	Guideline fail / Imperative pass
River Gade - Croxley Mill - Colne	Cyprinid	Guideline pass / Imperative pass
Guc (Frogmore Reach) - Source - Gade	Cyprinid	Guideline fail / Imperative pass
Guc (Kings Langley Reach) - Source - Gade	Cyprinid	Guideline fail / Imperative pass
Guc (Lady Capels Reach) - Source - Gade	Cyprinid	Guideline fail / Imperative pass
River Coln - Fairford Mill - Thames	Salmonid	Guideline fail / Imperative pass
Guc (Cassiobury Reach) - Source - Gade	Cyprinid	Guideline fail / Imperative pass
Guc (Croxley Reach) - Source - Gade	Cyprinid	Guideline fail / Imperative pass
Guc (Batchworth Reach) - Source - Colne	Cyprinid	Guideline fail / Imperative pass
Guc (Harefield) - Source - Maple Lodge Stw	Cyprinid	Guideline pass / Imperative pass
Guc - Summit - Bulbourne	Cyprinid	Guideline fail / Imperative fail
Guc (Pix Farm Reach) - Source - Berkhamsted Stw	Cyprinid	Guideline fail / Imperative pass
River Lee - Mimram - Rib	Cyprinid	Guideline fail / Imperative pass
River Lee - Rib - Ash	Cyprinid	Guideline fail / Imperative pass
River Lee - Ash - Stort	Cyprinid	Guideline pass / Imperative pass

Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status[(a)] (guideline pass, imperative pass, fail)
Lee (Navigation) - Stort - Kings Weir	Cyprinid	Guideline fail / Imperative pass
River Dikler - Lower Swell - Bourton-On-The-Water Stw	Salmonid	Guideline fail / Imperative pass
River Lee - Kings Weir - Tottenham Lock	Cyprinid	Guideline fail / Imperative pass
Lee (Navigation) - Kings Weir - Tottenham Locks	Cyprinid	Guideline fail / Imperative pass
River Mimram - Source At Kings Walden - Digswell	Salmonid	Guideline fail / Imperative pass
River Mimram - Digswell - Lee	Salmonid	Guideline fail / Imperative pass
River Misbourne - Gerrards Cross Stw - Colne	Salmonid	Guideline fail / Imperative pass
Pincey Brook - Sheering Bridge - Stort	Cyprinid	Guideline fail / Imperative pass
River Quin - Quinbury Farm - Rib	Salmonid	Guideline fail / Imperative pass
River Rib - Buntingford - Westmill	Cyprinid	Guideline fail / Imperative pass
River Rib - Westmill - Quin	Salmonid	Guideline fail / Imperative pass
River Rib - Quin - Standon	Cyprinid	Guideline pass / Imperative pass
River Dikler - Bourton-On-The-Water Stw - Windrush	Salmonid	Guideline fail / Imperative pass
River Rib - Standon - Lee	Cyprinid	Guideline pass / Imperative pass
River Roding - Source - Cripsey Brook	Cyprinid	Guideline fail / Imperative pass
River Roding - Cripsey Brook - Brookhouse Brook	Cyprinid	Guideline fail / Imperative pass
River Stort - Stansted Hazel End - Stansted Brook	Cyprinid	Guideline fail / Imperative pass
River Stort - Stansted Brook - Bishops Stortford	Cyprinid	Guideline fail / Imperative pass
River Stort - Bishops Stortford - Gt. Hallingbury Brook	Cyprinid	Guideline fail / Imperative pass
Stort (Navigation) - Pincey Brook - Burnt Mill	Cyprinid	Guideline fail / Imperative pass
Stort (Navigation) - Burnt Mill - Lee	Cyprinid	Guideline fail / Imperative pass
River Ver - Redbournbury - Sopwell	Cyprinid	Guideline pass / Imperative pass
River Ver - Sopwell - Colne	Cyprinid	Guideline pass / Imperative pass
River Dun - Hungerford Gs - Kennet	Salmonid	Guideline fail / Imperative pass
River Thames - Swill Brook - Cerney Wick Brook	Cyprinid	Guideline pass / Imperative pass
River Thames - Cerney Wick Brook - Key	Cyprinid	Guideline pass / Imperative pass

Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status[(a)] (guideline pass, imperative pass, fail)
Ampney Brook - Source To Poulton Stream	Salmonid	Guideline fail / Imperative pass
Ampney Brook - Poulton Stream To Thames	Salmonid	Guideline fail / Imperative pass
River Leach - East Leach To Little Faringdon	Cyprinid	Guideline fail / Imperative pass
Sherbourne Brook - Sherbourne Weir To Windrush	Salmonid	Guideline fail / Imperative pass
River Cherwell - Trafford Bridge To Grimsbury Intake	Cyprinid	Guideline fail / Imperative pass
Gatwick Stream - Clay Lake To Crawley	Cyprinid	Guideline pass / Imperative pass
River Frays - Source (Colne) To Pinn	Cyprinid	Guideline fail / Imperative pass
River Frays - Pinn To Colne	Cyprinid	Guideline fail / Imperative pass
River Enborne - A343, Newbury - Kennet	Salmonid	Guideline fail / Imperative pass
Guc Cowley Reach Main Arm - Source To Iron Bridge	Cyprinid	Guideline fail / Imperative pass
Guc Cowley Reach Main Arm - Iron Bridge To Brent	Cyprinid	Guideline fail / Imperative pass
River Stort - Gt Hallingbury Brook To Spellbrook	Cyprinid	Guideline fail / Imperative pass
River Stort - Spellbrook To Pincey Brook	Cyprinid	Guideline fail / Imperative pass
River Cherwell - B4031, Clifton - Somerton Bridge	Cyprinid	Guideline pass / Imperative pass
River Evenlode - Oddington - Cornwell Brook	Salmonid	Guideline fail / Imperative pass
River Evenlode - Cornwell Brook - Charlbury Stw	Salmonid	Guideline fail / Imperative pass
River Evenlode - Charlbury Stw - Thames	Salmonid	Guideline fail / Imperative pass
River Eye - Chalk Hill - Dikler	Salmonid	Guideline fail / Imperative pass
River Glyme - Glympton - Woodstock Stw	Salmonid	Guideline fail / Imperative pass
River Glyme - Woodstock Stw - Evenlode	Salmonid	Guideline fail / Imperative pass
Great Brook - Thames - Shill Brook	Cyprinid	Guideline pass / Imperative pass
Great Brook - Shill Brook - Thames	Cyprinid	Guideline fail / Imperative pass
Guc (Pitstone Reach) - Source - Guc (Aylesbury Arm)	Cyprinid	Guideline fail / Imperative pass
Guc (Aylesbury Arm) - Source - California Brook	Cyprinid	Guideline fail / Imperative pass
River Cherwell - Somerton Bridge - Oxford Canal (Middle)	Cyprinid	Guideline pass / Imperative pass
Kennet & Avon Canal - Crofton - Kintbury	Cyprinid	Guideline fail / Imperative pass

Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status[(a)] (guideline pass, imperative pass, fail)
Kennet & Avon Canal - Widmead Lock - Woolhampton (Bridge)	Salmonid	Guideline fail / Imperative pass
Kennet & Avon Canal - Woolhampton - Ufton	Salmonid	Guideline fail / Imperative pass
Kennet & Avon Canal (Benham Reach) - Source - Kennet	Salmonid	Guideline fail / Imperative pass
Kennet & Avon Canal (Hambridge Reach) - Source - Kennet	Salmonid	Guideline fail / Imperative pass
Kennet & Avon Canal (Southcote Reach) - Source - Kennet	Salmonid	Guideline fail / Imperative pass
River Kennet - Malborough Gs - Malborough Stw	Salmonid	Guideline fail / Imperative pass
River Kennet - Malborough Stw - Hungerford Stw	Salmonid	Guideline fail / Imperative pass
River Kennet - Hungerford Stw - Newbury Stw	Salmonid	Guideline fail / Imperative pass
River Kennet - Newbury Stw - Aldershot Stream	Salmonid	Guideline fail / Imperative pass
River Cherwell - Oxford Canal (Middle) - Ray	Cyprinid	Guideline pass / Imperative pass
River Kennet - Aldershot Stream - Enborne	Salmonid	Guideline fail / Imperative pass
River Kennet - Enborne - Sulhamstead Stream	Salmonid	Guideline fail / Imperative pass
River Kennet - Sulhamstead Stream - Foudry Brook	Salmonid	Guideline fail / Imperative pass
River Kennet - Foudry Brook - Holy Brook	Cyprinid	Guideline pass / Imperative pass
River Kennet - Holy Brook - Thames	Cyprinid	Guideline pass / Imperative pass
River Lambourn - Gt Shefford - Bagnor	Salmonid	Guideline fail / Imperative pass
River Lambourn - Bagnor - Lambourn Fish Farm	Salmonid	Guideline fail / Imperative pass
River Lambourn - Lambourn Fish Farm - Kennet	Salmonid	Guideline fail / Imperative pass
River Leach - Little Faringdon - Thames	Salmonid	Guideline fail / Imperative pass
River Ock - Lyford Bridge - Bagpuize Brook	Cyprinid	Guideline fail / Imperative pass
River Cherwell - Ray - Thames	Cyprinid	Guideline pass / Imperative pass
River Ock - Bagpuize Brook - Marcham Brook	Cyprinid	Guideline fail / Imperative pass
River Ock - Marcham Brook - Thames	Cyprinid	Guideline fail / Imperative pass
Oxford Canal (Upper) - Summit - Boddington Canal Feeder	Cyprinid	Guideline fail / Imperative pass
Oxford Canal (Upper) - Boddington Canal Feeder - Hardwick Lock	Cyprinid	Guideline fail / Imperative pass
Oxford Canal (Upper) - Hardwick Lock - Aynho Weir Lock	Cyprinid	Guideline fail / Imperative pass

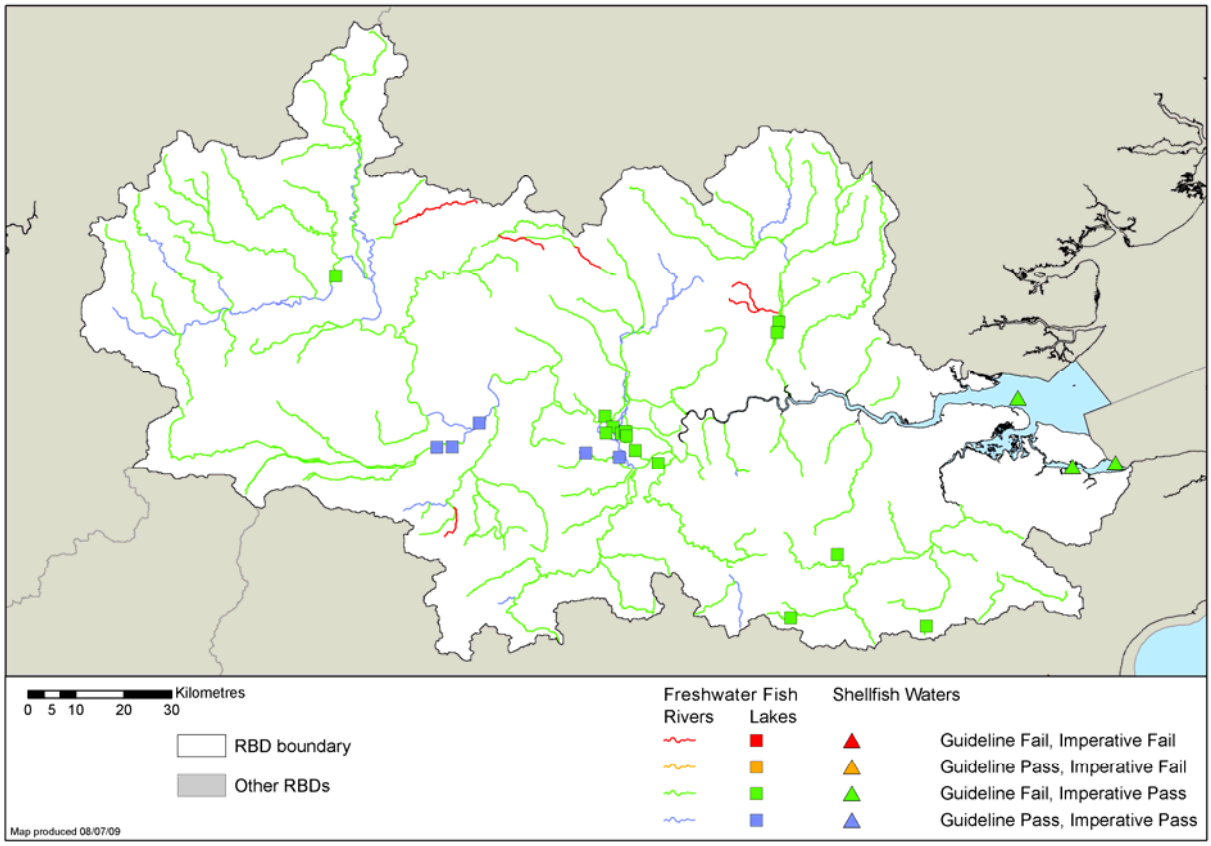
Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status[(a)] (guideline pass, imperative pass, fail)
Oxford Canal (Middle) - Ayhno Weir Lock - Cherwell At Shipton	Cyprinid	Guideline fail / Imperative pass
R. Teise - Hoathly Farm To Smallbridge	Cyprinid	Guideline fail / Imperative pass
R. Medway - Allington To East Farleigh Bridge	Cyprinid	Guideline fail / Imperative pass
River Pang - Stanford Dingley - Thames	Salmonid	Guideline fail / Imperative pass
River Ray - Haydon Wick Brook - Tadpole Brook	Cyprinid	Guideline fail / Imperative pass
River Ray - Tadpole Brook - Thames	Cyprinid	Guideline fail / Imperative pass
R. Beult - Headcorn To Confluence With R. Lesser Teise	Cyprinid	Guideline fail / Imperative pass
R. Teise - Smallbridge To Confluence With River Medway	Cyprinid	Guideline fail / Imperative pass
River Thame - Cuddington Stw - Scotsgrove Brook	Cyprinid	Guideline fail / Imperative pass
R. Medway - East Farleigh Bridge To Yalding	Cyprinid	Guideline fail / Imperative pass
River Churn - Seven Springs - Cockleford Fish Farm	Salmonid	Guideline fail / Imperative pass
River Thame - Scotsgrove Brook - Peppershill Brook	Cyprinid	Guideline fail / Imperative pass
R. Darent - River Darent From Tideway To Source At Westerham	Cyprinid	Guideline fail / Imperative pass
River Thame - Peppershill Brook - Chalgrove Brook	Cyprinid	Guideline fail / Imperative pass
River Thame - Chalgrove Brook - Thames	Cyprinid	Guideline fail / Imperative pass
River Windrush - Harford Bridge - A429, Bourton-On-The-Water	Salmonid	Guideline fail / Imperative pass
R. Eden - Eden Bridge To Confluence With River Medway	Cyprinid	Guideline fail / Imperative pass
River Windrush - A429, Bourton-On-The-Water - Sherborne Brook	Salmonid	Guideline fail / Imperative pass
R. Cray - Confluence Of River Darent & River Cray To Source At St. Mary Cray	Cyprinid	Guideline fail / Imperative pass
R. Medway - Weir Wood Reservoir	Cyprinid	Guideline fail / Imperative pass
R. Bewl - Bewl Bridge Reservoir	Salmonid	Guideline fail / Imperative pass
River Windrush - Sherborne Brook - Burford Stw	Salmonid	Guideline fail / Imperative pass
River Windrush - Burford Stw - Worsham	Salmonid	Guideline fail / Imperative pass
River Windrush - Worsham - West Arm Confluence	Salmonid	Guideline fail / Imperative pass
River Windrush - West Arm Confluence - Thames	Salmonid	Guideline fail / Imperative pass
Basingstoke Canal - Source At Greywell - Winchfield	Cyprinid	Guideline fail / Imperative pass

Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status[(a)] (guideline pass, imperative pass, fail)
River Churn - Cockleford Fish Farm - Hilcot Brook	Salmonid	Guideline fail / Imperative pass
Basingstoke Canal - Winchfield - Eelmoor Bridge	Cyprinid	Guideline fail / Imperative pass
River Blackwater - Eversley - Loddon	Cyprinid	Guideline fail / Imperative pass
Bourne (North) - Chertsey Stw - Bourne	Cyprinid	Guideline fail / Imperative pass
Cranleigh Waters - Water Bridge - Cranleigh Stw	Cyprinid	Guideline fail / Imperative pass
Cranleigh Waters - Cranleigh Stw - Wey	Cyprinid	Guideline fail / Imperative pass
The Cut - Cannon Hill Bray Wick - Thames	Cyprinid	Guideline fail / Imperative pass
River Hart - Elvetham Park Bridge - Fleet Brook	Cyprinid	Guideline fail / Imperative pass
River Hart - Fleet Brook - Hartley Wintney Stw	Cyprinid	Guideline fail / Imperative pass
River Hart - Hartley Wintney Stw - Whitewater	Cyprinid	Guideline fail / Imperative pass
River Loddon - Pyotts Bridge - Basingstoke Stw	Salmonid	Guideline fail / Imperative pass
River Churn - Hilcot Brook - Siddington Mill	Salmonid	Guideline fail / Imperative pass
River Loddon - Basingstoke Stw - Stanford End Bridge	Salmonid	Guideline fail / Imperative pass
River Loddon - Stanford End Bridge - Blackwater	Salmonid	Guideline fail / Imperative pass
River Loddon - Blackwater - Thames	Cyprinid	Guideline fail / Imperative pass
River Lyde - Andwell - Loddon	Salmonid	Guideline fail / Imperative fail
River Mole - River Lane Leatherhead - Downside Mill Stream	Cyprinid	Guideline fail / Imperative pass
River Mole - Downside Mill Stream - Thames	Cyprinid	Guideline fail / Imperative pass
Stanford Brook - Rickford Mill - Wey	Cyprinid	Guideline fail / Imperative pass
River Thames - Key - Ray	Cyprinid	Guideline fail / Imperative pass
River Thames - Ray - Bydemill Brook	Cyprinid	Guideline pass / Imperative pass
River Thames - Bydemill Brook - Shifford Weir	Cyprinid	Guideline pass / Imperative pass
River Churn - Siddington Mill - Thames	Salmonid	Guideline fail / Imperative pass
River Thames - Shifford Weir - Bablock Hythe	Cyprinid	Guideline pass / Imperative pass
River Thames - Bablock Hythe - Evenlode	Cyprinid	Guideline fail / Imperative pass
River Thames - Evenlode - Castle Mill Stream	Cyprinid	Guideline pass / Imperative pass

Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status[(a)] (guideline pass, imperative pass, fail)
River Thames - Castle Mill Stream - Cherwell	Cyprinid	Guideline pass / Imperative pass
River Thames - Cherwell - Sandford Lock	Cyprinid	Guideline pass / Imperative pass
River Thames - Sandford Lock - Ock	Cyprinid	Guideline pass / Imperative pass
River Thames - Ock - Thame	Cyprinid	Guideline fail / Imperative pass
River Thames - Thame - Goring Stw	Cyprinid	Guideline fail / Imperative pass
River Thames - Goring Stw - Whitchurch Stw	Cyprinid	Guideline fail / Imperative pass
River Thames - Whitchurch Stw - Kennet	Cyprinid	Guideline pass / Imperative pass
Stillwater - Reading	Cyprinid	Guideline pass / Imperative pass
Stillwater - Bough Beech Reservoir	Cyprinid	Guideline fail / Imperative pass
Stillwater - Reading	Cyprinid	Guideline pass / Imperative pass
Stillwater - Farmoor Reservoir	Cyprinid	Guideline fail / Imperative pass
Stillwater - Sonning Eye	Cyprinid	Guideline pass / Imperative pass
Stillwater - King George Vi Reservoir	Cyprinid	Guideline fail / Imperative pass
Stillwater - King George's Reservoir	Cyprinid	Guideline fail / Imperative pass
Stillwater - Queen Elizabeth 2 Storage Reservoir	Cyprinid	Guideline fail / Imperative pass
Stillwater - Queen Mary Reservoir	Cyprinid	Guideline fail / Imperative pass
Stillwater - Staines Reservoirs	Cyprinid	Guideline fail / Imperative pass
Stillwater - Staines Reservoirs	Cyprinid	Guideline fail / Imperative fail
Stillwater - The Queen Mother Reservoir	Cyprinid	Guideline fail / Imperative pass
Stillwater - Thorpe Park	Cyprinid	Guideline pass / Imperative pass
Stillwater - William Girling Reservoir	Cyprinid	Guideline fail / Imperative pass
Stillwater - Wraysbury	Cyprinid	Guideline fail / Imperative pass
Stillwater - Wraysbury Reservoir	Cyprinid	Guideline fail / Imperative pass

[(b)] using 2008 data

Figure D.21 Results of monitoring for significant species (freshwater fish & shellfish waters)



Economically Significant Species (Shellfish Waters)

Compliance against objectives for shellfish waters has been assessed using the relevant monitoring data from 2008. The results are shown in Figure D.22. The results are also presented as a map in Figure D.21 above.

Figure D.22 Results of monitoring for economically significant species (shellfish waters)

Shellfish water name	Compliance status[(b)] (guideline pass, imperative pass, fail)
Southend	Guideline fail /Imperative pass
Swale Central	Guideline fail /Imperative pass
Swale East	Guideline fail /Imperative pass

[(b)] using 2008 data

Recreational Waters (Bathing Waters)

Compliance against objectives for bathing waters has been assessed using the relevant monitoring data from 2008. The results are shown in Figure D.23. The results are also presented as a map in figures D.24 (current Directive) and D.25 (prediction against revised Directive standards).

Figure D.23 Results of monitoring for recreational waters (bathing waters)

Bathing water name	Compliance status under current BWD[(c)] (guideline pass, imperative pass, fail)	Predicted compliance assessment under revised BWD[(d)] (excellent, good, sufficient, poor)
Cotswolds Water Park (Keynes Lake 32)	Imperative pass	Good
Frensham Great Pond	Guideline pass	Excellent
Hampstead Heath (Ladies Pond)	Guideline pass	Excellent
Hampstead Heath (Mens Pond)	Imperative pass	Good
Hampstead Heath (Mixed Pond)	Imperative pass	Sufficient
Leigh Bell Wharf	Imperative pass	Sufficient
Sheerness	Guideline pass	Excellent
Shoebury East	Guideline pass	Excellent
Shoeburyness	Guideline pass	Excellent
Southend Chalkwell	Imperative pass	Sufficient
Southend Jubilee	Imperative pass	Sufficient
Southend Thorpe Bay	Guideline pass	Good
Southend Three Shells	Guideline pass	Excellent
Southend Westcliff Bay	Imperative pass	Good
The Serpentine - Hyde Park	Imperative pass	Excellent

[(c)] using 2008 data
[(d)] using 2004-2008 data

Figure D.24 Results of monitoring for recreational waters (bathing waters under current BWD)

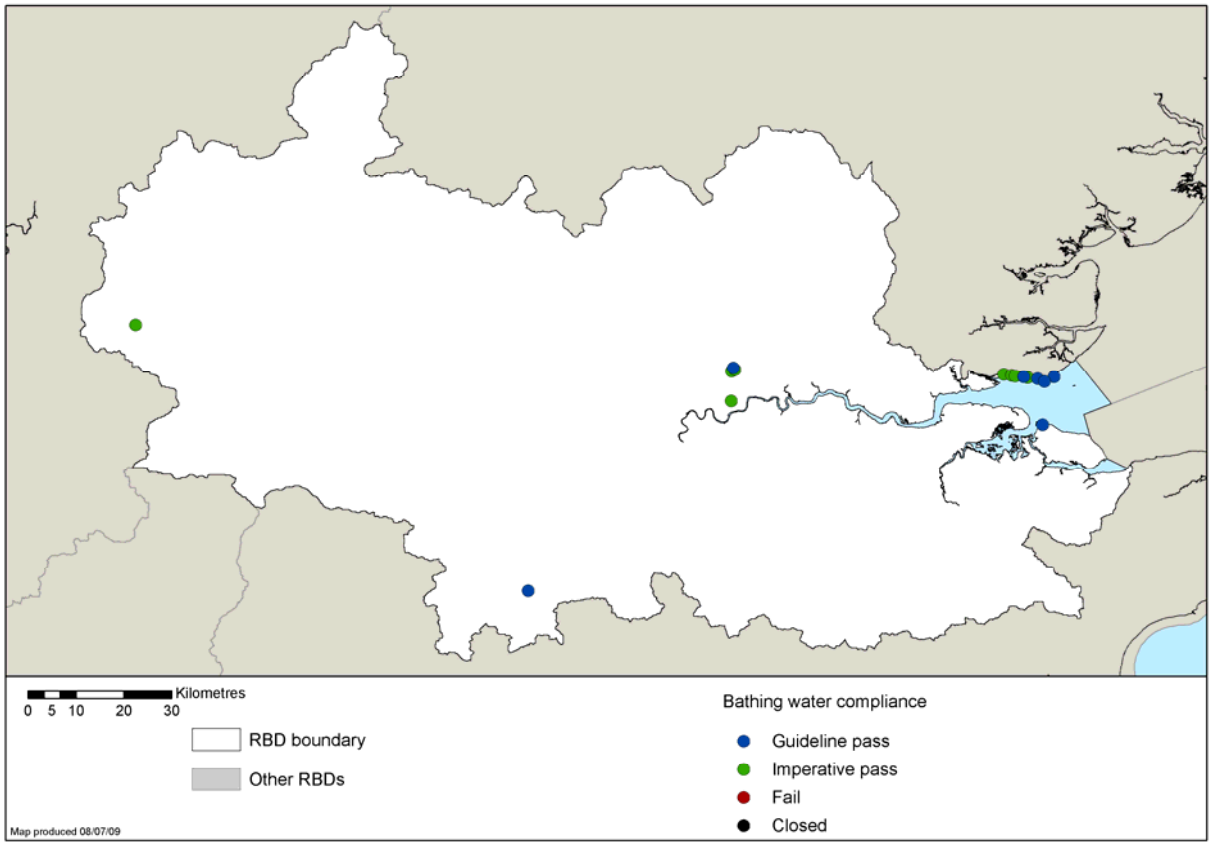
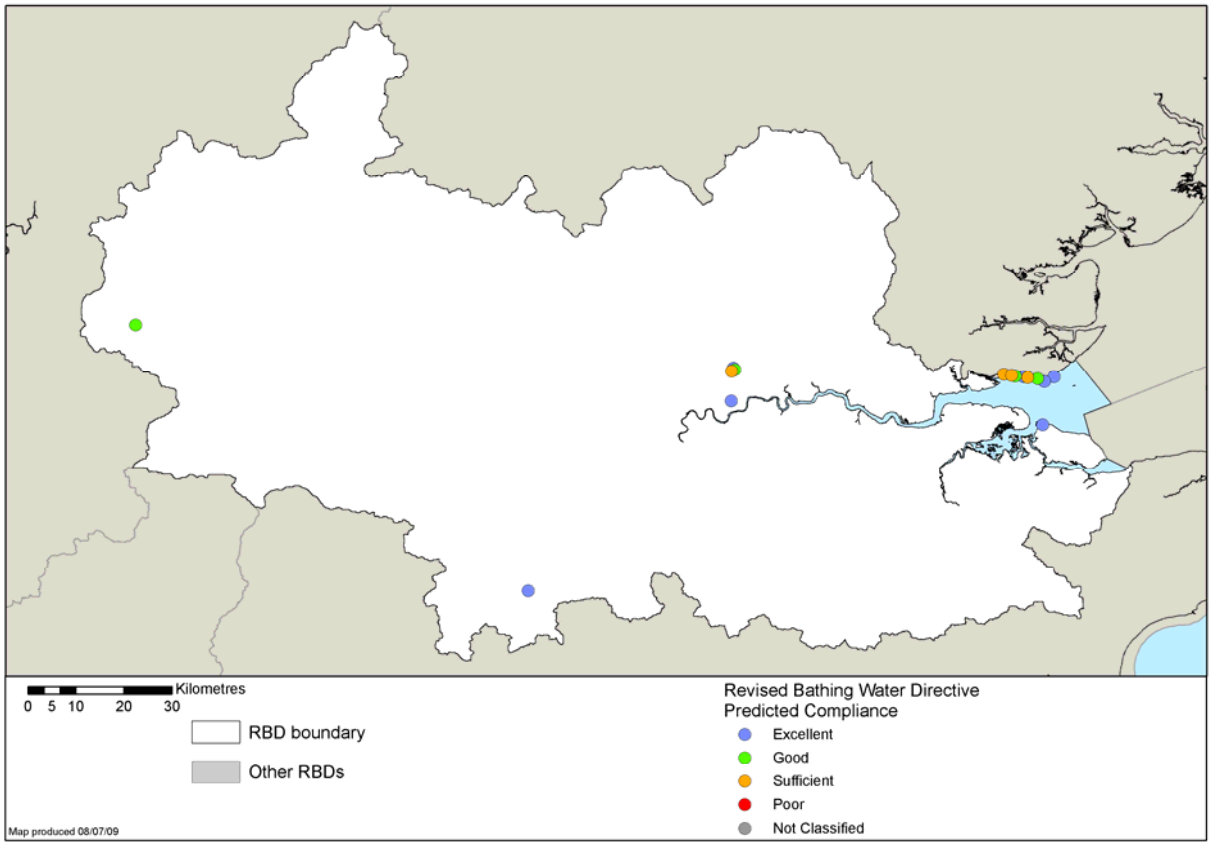


Figure D.25 Results of monitoring for recreational waters (bathing waters using prediction under revised BWD)



Nutrient Sensitive Areas (Nitrate Vulnerable Zones)

The Nitrates Directive does not use a standard-based compliance regime for the areas designated under it. Compliance is therefore not monitored against an environmental standard, as in the Freshwater Fish Directive, for example. Rather compliance is measured by the appropriate designation of NVZs and the undertaking of action programmes to reduce or prevent further pollution caused by nitrates.

We periodically review where nitrate pollution from agriculture is affecting waters and the success of the action programmes that are undertaken in the designated NVZs draining to these polluted waters. As a result additional NVZs are designated where the following criteria apply and agriculture is a significant source of nitrate:

- surface freshwaters, including those used or intended for the abstraction of drinking water, contain or could contain more than 50 mg/litre of nitrate;
- groundwater which contains, or could contain, more than 50 mg/litre of nitrate;
- natural freshwater lakes, or other freshwater bodies, estuaries, and coastal waters which are eutrophic[5] or may become so in the near future.

The location of NVZs is shown in Figure D.6 (NVZs subject to appeals). A list of NVZs in the Thames River Basin District is given in the register of protected areas. This can be found at http://www.environment-agency.gov.uk/research/planning/33346.aspx.

Nutrient Sensitive Areas (Urban Waste Water Treatment Directive)

The UWWTD does not use a standard-based compliance regime for the areas designated under it. Compliance is therefore not monitored against an environmental standard, as in the Freshwater Fish Directive, for example. Rather compliance is measured by the appropriate designation of Sensitive Areas and monitoring relevant discharges affecting these Areas to ensure they meet the emission standards set out in the Directive.

We periodically review where phosphate and/or nitrate pollution from sewage treatment works serving populations above 10,000 is affecting waters. As a result additional Sensitive Areas are designated where protective action is not taken:

- freshwaters, estuaries and coastal waters are eutrophic[5] or may become so in the near future.
- surface freshwaters, including those used or intended for the abstraction of drinking water, contain or could contain more than 50 mg/litre of nitrate.

The location of UWWTD Sensitive Areas is shown in Figure D.6. Compliance for relevant discharges affecting UWWTD Sensitive Areas has been assessed using the relevant monitoring data from 2008. The results are shown in Figure D.26. The results are also presented as a map in figure D.27.

[5] The Nitrates Directive and UWWTD define the process of eutrophication as "the enrichment of water by nutrients (especially nitrogen and/or phosphorus compounds for UWWTD, nitrogen compounds for Nitrates Directive), causing an accelerated growth of algae and higher forms of plant life, to produce an undesirable disturbance to the balance of organisms present in the water and to the quality of the water concerned."

Figure D.26 Results of monitoring for relevant discharges into UWWTD sensitive areas

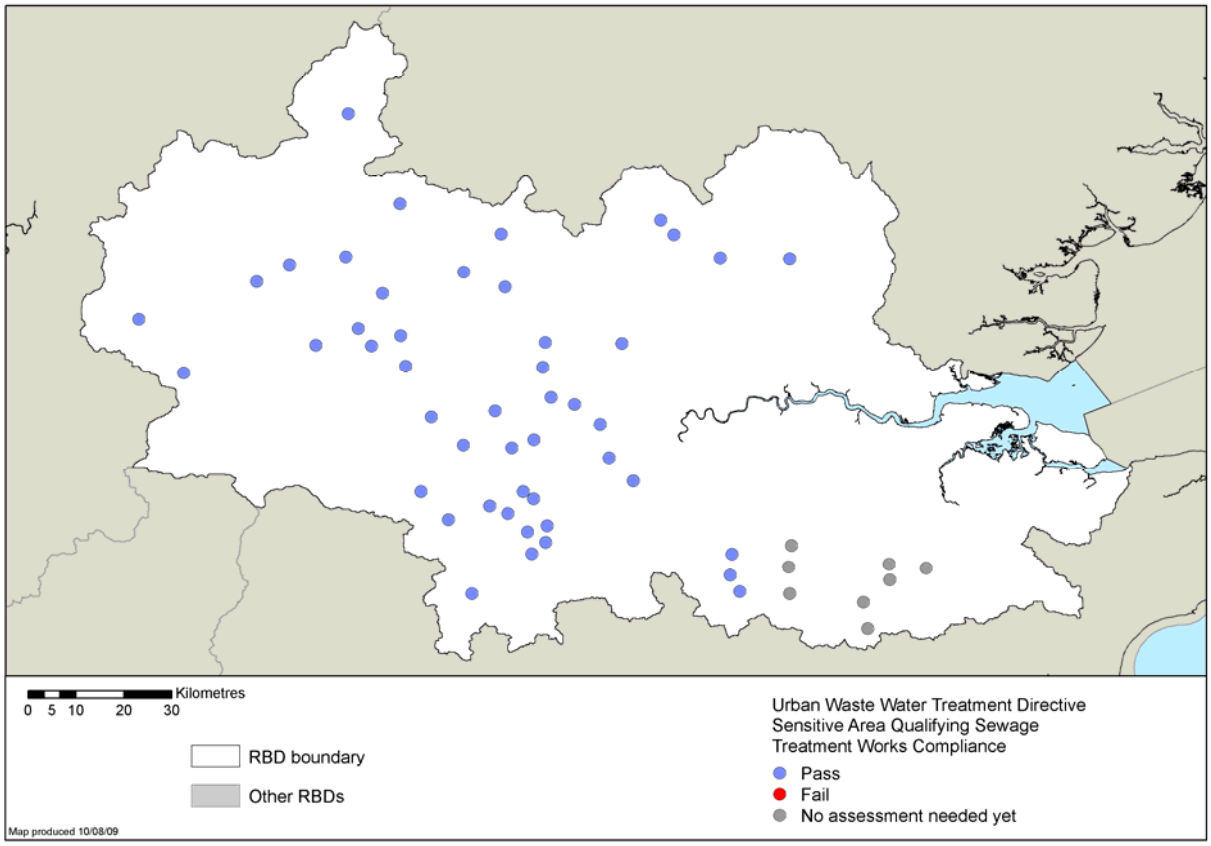
Sensitive Area name	Year of designation	Year UWWTD emissions standards come into force[e]	Relevant discharge name	UWWTD Compliance Status of discharge[f] (pass, fail, n/a[g])
Langford Brook	1994	2001	BICESTER, BICESTER, OXON STW	Pass
River Blackwater (Hampshire)	1994	2001	ALDERSHOT, ALDERSHOT, HANTS STW	Pass
River Blackwater (Hampshire)	1994	2001	ASH VALE, STRATFORD ROAD, NORTH STW	Pass
River Blackwater (Hampshire)	1994	2001	CAMBERLEY, CAMBERLEY, SURREY STW	Pass
River Blackwater (Hampshire)	1994	2001	SANDHURST, SANDHURST, BERKS STW	Pass
River Ray (Wiltshire)	1994	2001	SWINDON, RODBOURNE, SWINDON, WI STW	Pass
River Thames	1994	2001	ABINGDON, ABINGDON, OXON STW	Pass
River Thames	1994	2001	AYLESBURY, RABANS LANE, AYLESBU STW	Pass
River Thames	1994	2001	BANBURY, SPITAL FARM, BANBURY, STW	Pass
River Thames	1994	2001	BRACKNELL, HAZELWOOD LANE, BINF STW	Pass
River Thames	1994	2001	CARTERTON, CARTERTON, OXON STW	Pass
River Thames	1994	2001	CASSINGTON, YARNTON ROAD, CASSI STW	Pass
River Thames	1994	2001	CHERTSEY, LYNE LANE, CHERTSEY, STW	Pass
River Thames	1994	2001	CHOLSEY, CHOLSEY, WALLINGFORD, STW	Pass
River Thames	1994	2001	CIRENCESTER, CIRENCESTER, GLOS STW	Pass
River Thames	1994	2001	DIDCOT, FOXHALL ROAD, DIDCOT, O STW	Pass

Sensitive Area name	Year of designation	Year UWWTD emissions standards come into force[e]	Relevant discharge name	UWWTD Compliance Status of discharge[f] (pass, fail, n/a[g])
River Thames	1994	2001	DORCHESTER, DORCHESTER, OXON STW	Pass
River Thames	1994	2001	FLEET, FLEET, HANTS STW	Pass
River Thames	1994	2001	HARTLEY WINTNEY, HARTLEY WINTNE STW	Pass
River Thames	1994	2001	HIGH WYCOMBE , HIGH WYCOMBE, BU STW	Pass
River Thames	1994	2001	LITTLE MARLOW (WOOBURNVALLEY) STW	Pass
River Thames	1994	2001	MAIDENHEAD, BRAYWICK ROAD, MAID STW	Pass
River Thames	1994	2001	MAPLE LODGE, BUCKS STW	Pass
River Thames	1994	2001	PANGBOURNE STW	Pass
River Thames	1994	2001	PRINCES RISBOROUGH, SUMMERLEYS STW	Pass
River Thames	1994	2001	READING STW	Pass
River Thames	1994	2001	REIGATE STW	Pass
River Thames	1994	2001	SILCHESTER, SILCHESTER, HANTS STW	Pass
River Thames	1994	2001	SLOUGH, WOOD STW	Pass
River Thames	1994	2001	THAME, THAME, OXON STW	Pass
River Thames	1994	2001	WANTAGE STW	Pass
River Thames	1994	2001	WARGRAVE, WARGRAVE, BERKS STW	Pass
River Thames	1994	2001	WEYBRIDGE (SEVEN ARCHESBRIDGE STW	Pass
River Thames	1994	2001	WINDSOR, HAM ISLAND, OLD WINDSO STW	Pass
River Thames	1994	2001	WITNEY STW	Pass
River Thames	1994	2001	WOKINGHAM (ASH RIDGE), BERKS STW	Pass

Sensitive Area name	Year of designation	Year UWWTD emissions standards come into force[e]	Relevant discharge name	UWWTD Compliance Status of discharge[f] (pass, fail, n/a[g])
River Wey	1994	2001	ALTON, ALTON, HAMPSHIRE STW	Pass
River Wey	1994	2001	FARNHAM, FARNHAM, SURREY STW	Pass
Lea Navigation & River Lee	1998	2005	HARPENDEN, HARPENDEN, HERTS STW	Pass
Lea Navigation & River Lee	1998	2005	HERTFORD (RYE MEADS) STW	Pass
Lea Navigation & River Lee	1998	2005	LUTON STW	Pass
Lea Navigation & River Lee	1998	2005	MILL GREEN, HATFIELD, HERTS STW	Pass
River Loddon	1998	2005	BASINGSTOKE, WILDMOOR, BASINGST STW	Pass
River Mole	1998	2005	HORLEY (SURREY) STW	Pass
River Mole	1998	2005	LONDON (CRAWLEY) STW	Pass
Bewl Reservoir	2007	2014	TONBRIDGE STW	n/a
Bewl Reservoir	2007	2014	TUNBRIDGE WELLS NORTH STW	n/a
Bewl Reservoir	2007	2014	TUNBRIDGE WELLS SOUTH STW	n/a
Bewl Reservoir	2007	2014	REDGATE MILL STW	n/a
Bewl Reservoir	2007	2014	EDEN VALE STW	n/a
Bewl Reservoir	2007	2014	PADDOCK WOOD STW	n/a
Bewl Reservoir	2007	2014	OXTED STW	n/a
Bewl Reservoir	2007	2014	LINGFIELD STW	n/a
River Thames (extension)	1998	2005	ALDERSHOT (MILITARY) STW	Pass
River Thames (extension)	1998	2005	OXFORD (SANDFORD) STW	Pass

[e] requirement to meet the Directive's emission standards is at the latest seven years after designation of the Sensitive Area
[f] using 2008 data
[g] not applicable (n/a) if within seven years of designation of the Sensitive Area

Figure D.27 Results of monitoring for relevant discharges into UWWTD sensitive areas



Natura 2000 Protected Areas (water dependent SACs & SPAs)

Compliance against conservation objectives has been assessed by Natural England. The results are shown in Figure D.28.

Figure D.28 Results of status assessments for Natura 2000 Protected Areas (water dependent SACs and SPAs) in Thames river basin district

	Number of Natura 2000 Protected Areas currently achieving favourable conservation status	Number of Natura 2000 Protected Areas predicted to achieve favourable conservation status by 2015	Number of Natura 2000 Protected Areas predicted to achieve favourable conservation status by 2021
SAC	10	12	13
SPA	1	5	5
Total	11	17	18

The results are also presented as maps in Figures D.29 and D.30.

Figure D.29 Results of status assessments for Natura 2000 Protected Areas (water dependent SACs)

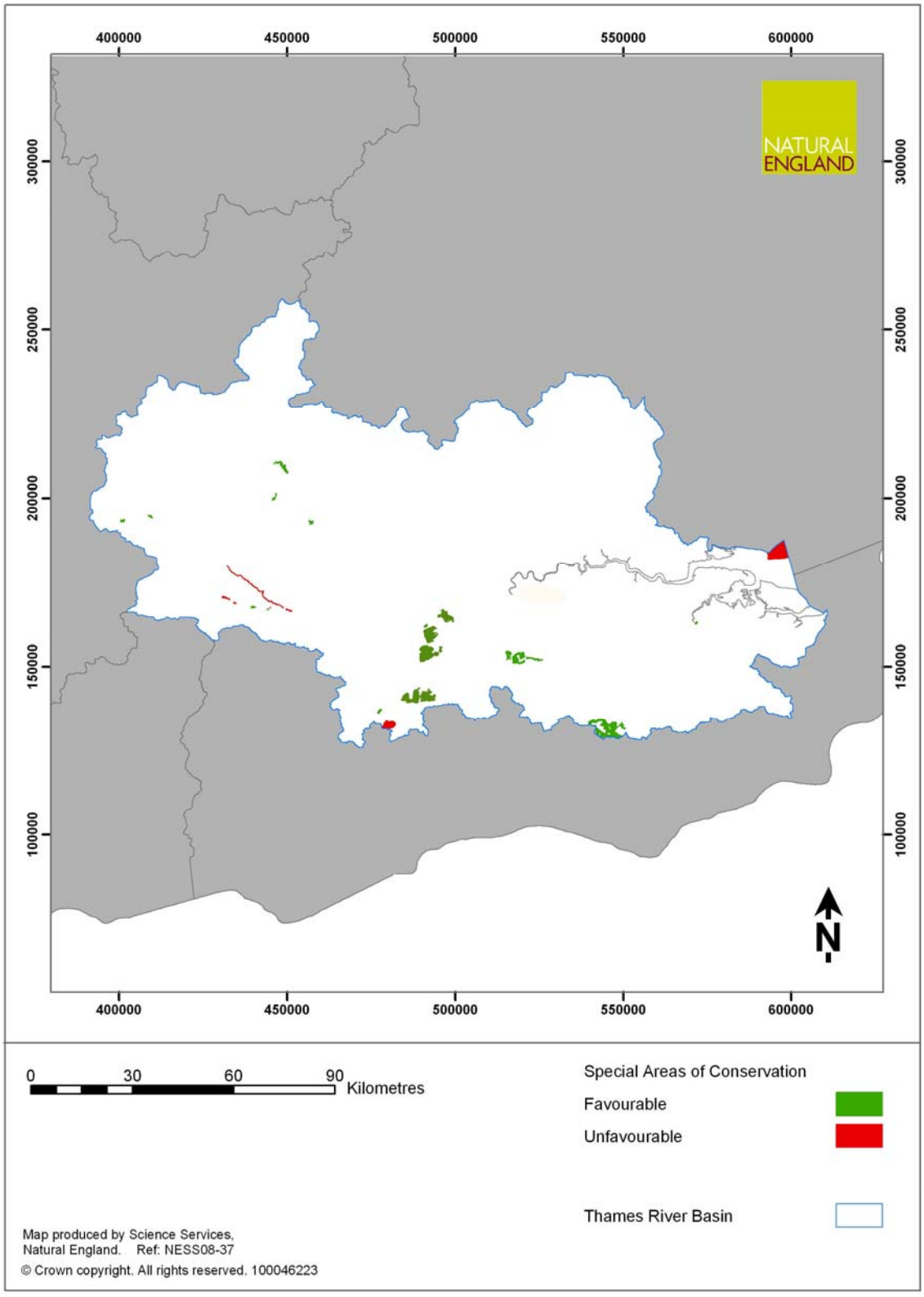
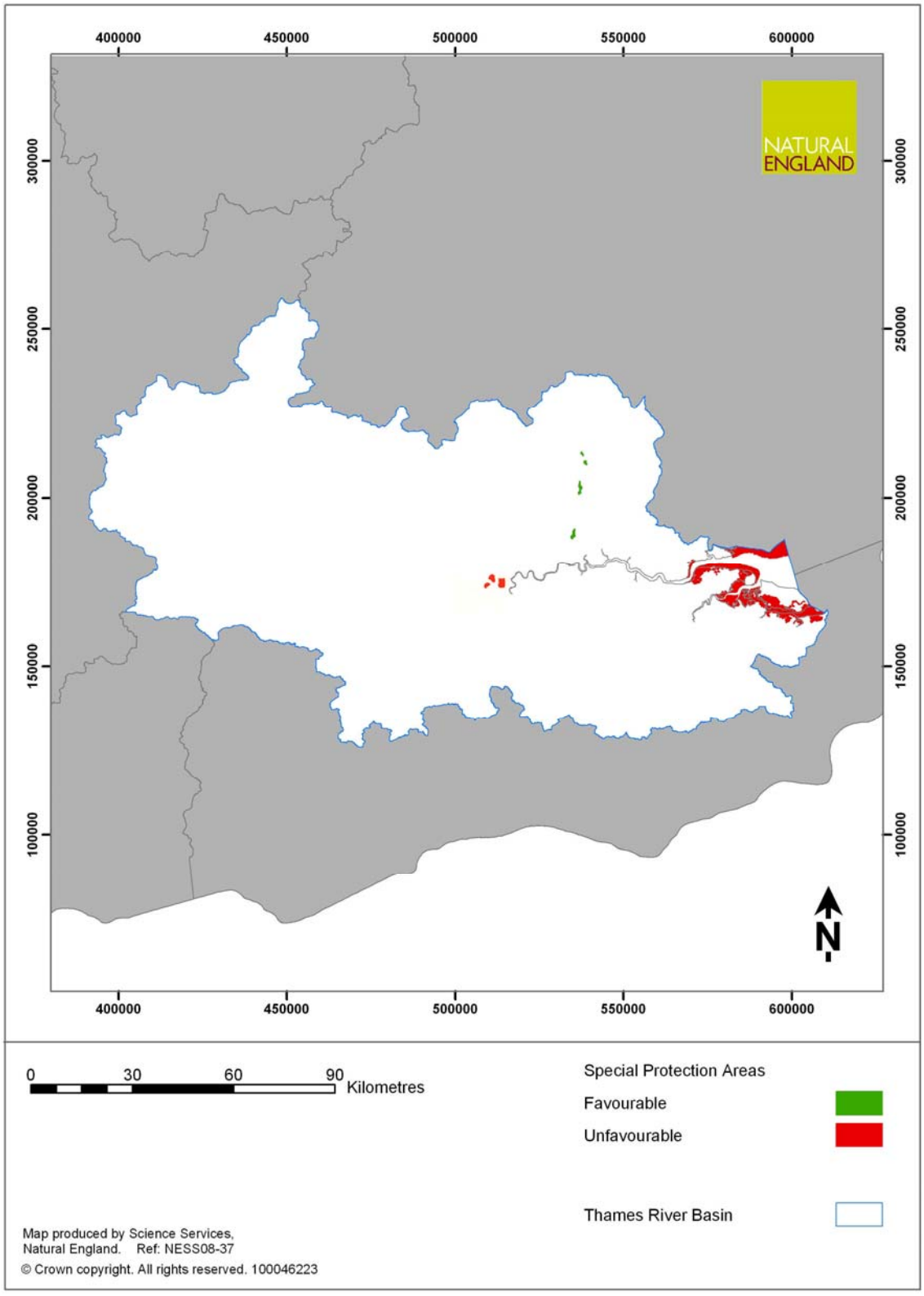


Figure D.30 Results of status assessments for Nature 2000 Protected Areas (water dependent SPAs).



Actions (measures) for Natura 2000 Protected Areas (water dependent SACs & SPAs)

The United Kingdom Technical Advisory Group (UKTAG) has produced guidance on Natura 2000 Protected Areas and the Water Framework Directive:

- *Guidance on the Identification of Natura Protected Areas* (UKTAG, 2003)
- *Guidance in determining whether Natura 2000 Protected Areas are meeting the requirements of Article 4 (1c) for the 1st RBMP* (UKTAG)

These documents can be found on the UKTAG website (http://www.wfduk.org).

Government guidance has also been issued: *River Basin Planning Guidance Vol 2* (Defra/Welsh Assembly Government, 2008). This document can be found on the Defra website (http://www.defra.gov.uk/environment/quality/water/wfd/documents/riverbasinguidance-Vol2.pdf).

The following section has been prepared jointly by the Environment Agency and Natural England. Natural England has a significant role to play in river basin planning and management.

Natural England has identified the actions that need to be taken to achieve conservation objectives, and to avoid deterioration at Natura 2000 Protected Areas. This is part of a programme of work to achieve the objectives of the EC Habitats Directive and Birds Directive in the United Kingdom. The Government has set a Public Sector Agreement (PSA) target for 95% of SSSIs to achieve 'favourable' or 'recovering' condition by 2010. Actions are based on the PSA programme of delivery and may be subject to change. This will continue after 2010 as an indicator for Defra's Departmental Strategic Objective 2.

Where Natura 2000 Protected Areas coincide with water bodies, there is also the requirement to aim to achieve the Water Framework Directive status objectives for the relevant water bodies. The actions presented in Annex D are specifically aimed at ensuring the continued maintenance of, and restoration to, favourable conservation status for the protected areas: they may also contribute to the water body objectives.

Actions shown in this Annex are summarised for ease of reference in Annex C alongside other actions to achieve water body status objectives.

Natural England has provided advice on whether the deadlines for ensuring the continued maintenance of, and restoration to, favourable conservation status should be extended in accordance with the criteria under Article 4.4 of the Water Framework Directive and have provided the 'reasons for extended deadlines' and justification.

A table has been produced for each Natura 2000 Protected Area based on the details provided by Natural England (Figure D.31). The tables include information about each site including: the water-dependent features, status, objectives, actions (measures) and information on extended deadlines.

Only those actions which address water-related impacts are included in the tables. The tables do not include water-related actions that address impacts other than those affecting the European features of interest specific to each Natura 2000 Protected Area.

The actions identified by Natural England include:

- ‘Remedies’ that have been identified by Natural England to address the reasons for adverse condition of the SSSIs that underpin all SACs and SPAs in England above low-water mark. The protection of SACs and SPAs in England is largely secured through the legal provisions for SSSIs. The Wildlife and Countryside Act 1981 requires Ministers and all public bodies to further the conservation of SSSIs. Natural England must be consulted before any operations are undertaken or permitted that are likely to damage an SSSI.

- Revocation or amendment of consents or permissions granted by statutory bodies that are assessed, by those bodies in consultation with Natural England, as having an adverse effect on the integrity of SACs and SPAs. For the past ten years, the Environment Agency has carried out a comprehensive review of consents (RoC) under the Conservation (Natural Habitats &c) Regulations 1994. The relevant results of RoC are included in the tables.

- Schemes that have been included in water company investment programmes under the Habitats Directive driver for 2005-10 and 2010-15. Many schemes, especially those relating to abstraction, have been identified by investigations funded under the Periodic Reviews.

- Actions for marine Natura 2000 Protected Areas. These have been drawn from the PSA programme and from Management Schemes prepared by the relevant authorities under Regulation 34 of the 1994 Regulations.

Further information on the Natura 2000 Protected areas in England is available on Natural England’s website (www.naturalengland.org.uk/ourwork/position/water/waterdirective.aspx).

The following diagram gives further explanation of the information in these tables.

The legislation under which the site was designated and links to further information on the SAC or SPA.

Indicates whether the water-dependent features of the site are meeting the objective of Favourable Conservation Status – and if not, by when it is to be met. Article 4.1(c) of the WFD sets 2015 as the deadline to meet the objectives for Protected Areas. Where there are valid reasons to extend this deadline,these are shown.

N2K Protected Area in Western Wales River Basin District (Afon Eden-Cors Goch Trawsfynydd SAC)

The name of the Natura 2000 site.

Protected Area name	***Protected Area designation***	***Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?*** **No**
Afon Eden-Cors Goch Trawsfynydd SAC	Habitats Directive (Council Directive 92/43/EEC): http://www.jncc.gov.uk/page-1374 Detailed site information: http://www.ccw.gov.uk/landscape--wildlife/protecting-our-landscape/special-sites-project/aber-to--brecon-sac-list/afon-eden--cors-goch-trw.aspx	***If not, date for achieving environmental objectives*** **Extended to 2021** If extended, justification provided at end of this table

Shows the overall objective for the Protected Area.

Overall objective for Protected Area:

Favourable Conservation Status (to protect and, where necessary, improve the water or water-dependent environment to the extent necessary to maintain at or improve to Favourable Conservation Status the water-dependent habitats and species for which the Protected Area is designated)

The list of habitats and species (features) for which the site was designated under Community legislation.

Water-dependent habitats or species for which the Protected Area was designated (interest features):

Active raised bogs (H7110); Atlantic salmon (S1106); Floating water-plantain (S1831); Freshwater pearl mussel (S1029); Otter (S1355)

The list of water bodies found in the Protected Area.

Waterbody ID:

GB110064048710; GB110064048720; GB110064048730; GB110064048740; GB110064048750; GB110064054630

Reasons for the site not being at Favourable Conservation Status. These are related to the pressures (attributes) recognised under the Water Framework Directive.

Reason for feature/s either not meeting objective or being at risk of deterioration			***Measures proposed to maintain at, or improve to, Favourable Conservation Status***		***Measure to be made operational no later than***
Attribute	–	*Reason*	*Measure*	*Organisation responsible*	
	-	Water pollution - discharge	■ Other competent authority functions	Welsh Assembly Government	2012
	-	Water pollution - discharge	Undertake review of consents	Environment Agency	2012
Water quality	-	Boats - not powered	Undertake review of consents	Snowdonia National Park	2012
Water quality	-	Ditch management	Land management scheme	Welsh Assembly Government	2012
Water quality	-	Freshwater fish stocking	Fisheries enhancement projects	Environment Agency	2012
Water quality	-	Pest control	Land management scheme	Welsh Assembly Government	2012
Water quality	-	Siltation	Land management scheme	Welsh Assembly Government	2012

The latest date by which the measure will be made operational.

The organisation responsible for the implementation of the measure.

Reason for feature/s not meeting objective by 2015
Pearl Mussel population recovery – natural conditions: ecological recovery time
Justification for extended deadline
Fisheries improvements required for host salmon population. Measures are being enacted but given slow reproductive rate of Pearl Mussel full population recovery will take time.

Reasons and justifications for extending the deadline for meeting the objective of Favourable Conservation Status.

Measures required to achieve Favourable Conservation Status. These measures have been derived from existing programmes, e.g. SSSI PSA remedies, Review of Consents, water company investment programme (see above). Where measures are marked with "■" they will be subject to further discussion to finalise details.

Figure D.31 Objectives and actions (measures) for Natura 2000 Protected Areas (water dependent SACs & SPAs).

See following page

N2K Protected Area in Thames River Basin District (Ashdown Forest SAC)

Protected Area name **Ashdown Forest SAC**	***Protected Area designation*** Habitats Directive (Council Directive 92/43/EEC): http://www.jncc.gov.uk/page-1374 Detailed site information: http://www.natureonthemap.org.uk/	***Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?*** **Yes** ***If not, date for achieving environmental objectives*** If extended, justification provided at end of this table

Overall objective for Protected Area:

Favourable Conservation Status (to protect and, where necessary, improve the water or water-dependent environment to the extent necessary to maintain at or improve to Favourable Conservation Status the water-dependent habitats and species for which the Protected Area is designated)

Water-dependent habitats or species for which the Protected Area was designated (interest features):

Great crested newt (S1166); Wet heathland with cross-leaved heath (H4010)

Waterbody ID:

Reason for feature/s either not meeting objective or being at risk of deterioration	***Measures proposed to maintain at, or improve to, Favourable Conservation Status***		***Measure to be made operational no later than***
Attribute - Reason	*Measure*	*Organisation responsible*	

N2K Protected Area in Thames River Basin District (Cothill Fen SAC)

Protected Area name **Cothill Fen SAC**	***Protected Area designation*** Habitats Directive (Council Directive 92/43/EEC): http://www.jncc.gov.uk/page-1374 Detailed site information: http://www.natureonthemap.org.uk/	***Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?*** **Yes** ***If not, date for achieving environmental objectives*** If extended, justification provided at end of this table

Overall objective for Protected Area:

Favourable Conservation Status (to protect and, where necessary, improve the water or water-dependent environment to the extent necessary to maintain at or improve to Favourable Conservation Status the water-dependent habitats and species for which the Protected Area is designated)

Water-dependent habitats or species for which the Protected Area was designated (interest features):

Alder woodland on floodplains (H91E0); Alkaline fen (H7230)

Waterbody ID:

Reason for feature/s either not meeting objective or being at risk of deterioration	***Measures proposed to maintain at, or improve to, Favourable Conservation Status***		***Measure to be made operational no later than***
Attribute - Reason	*Measure*	*Organisation responsible*	

N2K Protected Area in Thames River Basin District (Kennet and Lambourn Floodplain SAC)

Protected Area name **Kennet and Lambourn Floodplain SAC**	***Protected Area designation*** Habitats Directive (Council Directive 92/43/EEC): http://www.jncc.gov.uk/page-1374 Detailed site information: http://www.natureonthemap.org.uk/	***Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?*** **No** ***If not, date for achieving environmental objectives*** **2015** If extended, justification provided at end of this table

Overall objective for Protected Area:

Favourable Conservation Status (to protect and, where necessary, improve the water or water-dependent environment to the extent necessary to maintain at or improve to Favourable Conservation Status the water-dependent habitats and species for which the Protected Area is designated)

Water-dependent habitats or species for which the Protected Area was designated (interest features):

Desmoulin's whorl snail (S1016)

Waterbody ID:

GB106039023220

Reason for feature/s either not meeting objective or being at risk of deterioration			***Measures proposed to maintain at, or improve to, Favourable Conservation Status***		***Measure to be made operational no later than***
Attribute	-	*Reason*	*Measure*	*Organisation responsible*	
Hydrology	-	Inappropriate water levels	Agri-environment scheme	Natural England	2012
Hydrology	-	Water abstraction	Abstraction licence - revoke or amend	Environment Agency	2012
Hydrology	-	Water abstraction	Implement AMP scheme	Thames Water Limited	2012

N2K Protected Area in Thames River Basin District (Kennet Valley Alderwoods SAC)

Protected Area name **Kennet Valley Alderwoods SAC**	***Protected Area designation*** Habitats Directive (Council Directive 92/43/EEC): http://www.jncc.gov.uk/page-1374 Detailed site information: http://www.natureonthemap.org.uk/	***Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?*** **Yes** ***If not, date for achieving environmental objectives*** If extended, justification provided at end of this table

Overall objective for Protected Area:

Favourable Conservation Status (to protect and, where necessary, improve the water or water-dependent environment to the extent necessary to maintain at or improve to Favourable Conservation Status the water-dependent habitats and species for which the Protected Area is designated)

Water-dependent habitats or species for which the Protected Area was designated (interest features):

Alder woodland on floodplains (H91E0)

Waterbody ID:

Reason for feature/s either not meeting objective or being at risk of deterioration	***Measures proposed to maintain at, or improve to, Favourable Conservation Status***		***Measure to be made operational no later than***
Attribute - Reason	*Measure*	*Organisation responsible*	

N2K Protected Area in Thames River Basin District (Lee Valley SPA)

Protected Area name **Lee Valley SPA**	***Protected Area designation*** Habitats Directive (Council Directive 92/43/EEC): http://www.jncc.gov.uk/page-1374 Detailed site information: http://www.natureonthemap.org.uk/	***Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?*** **Yes** ***If not, date for achieving environmental objectives*** If extended, justification provided at end of this table

Overall objective for Protected Area:

Favourable Conservation Status (to protect and, where necessary, improve the water or water-dependent environment to the extent necessary to maintain at or improve to Favourable Conservation Status the water-dependent habitats and species for which the Protected Area is designated)

Water-dependent habitats or species for which the Protected Area was designated (interest features):

Bittern; Gadwall; Shoveler

Waterbody ID:

GB106038027930; GB106038033200; GB106038033240; GB106038033290; GB106038077850; GB30641193; GB30641198; GB30641274; GB30641313; GB30641865; GB30641884; GB30641900; GB30641922; GB30641924; GB30641939; GB30641956

Reason for feature/s either not meeting objective or being at risk of deterioration		***Measures proposed to maintain at, or improve to, Favourable Conservation Status***		***Measure to be made operational no later than***
Attribute - *Reason*		*Measure*	*Organisation responsible*	

N2K Protected Area in Thames River Basin District (Little Wittenham SAC)

Protected Area name **Little Wittenham SAC**	***Protected Area designation*** Habitats Directive (Council Directive 92/43/EEC): http://www.jncc.gov.uk/page-1374 Detailed site information: http://www.natureonthemap.org.uk/	***Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?*** **Yes** ***If not, date for achieving environmental objectives*** If extended, justification provided at end of this table

Overall objective for Protected Area:

Favourable Conservation Status (to protect and, where necessary, improve the water or water-dependent environment to the extent necessary to maintain at or improve to Favourable Conservation Status the water-dependent habitats and species for which the Protected Area is designated)

Water-dependent habitats or species for which the Protected Area was designated (interest features):

Great crested newt (S1166)

Waterbody ID:

Reason for feature/s either not meeting objective or being at risk of deterioration	***Measures proposed to maintain at, or improve to, Favourable Conservation Status***		***Measure to be made operational no later than***
Attribute - Reason	*Measure*	*Organisation responsible*	

N2K Protected Area in Thames River Basin District (Medway Estuary & Marshes SPA)

Protected Area name **Medway Estuary & Marshes SPA**	***Protected Area designation*** Habitats Directive (Council Directive 92/43/EEC): http://www.jncc.gov.uk/page-1374 Detailed site information: http://www.natureonthemap.org.uk/ http://www.msep.org.uk/	***Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?*** **No** ***If not, date for achieving environmental objectives*** **2015** If extended, justification provided at end of this table

Overall objective for Protected Area:

Favourable Conservation Status (to protect and, where necessary, improve the water or water-dependent environment to the extent necessary to maintain at or improve to Favourable Conservation Status the water-dependent habitats and species for which the Protected Area is designated)

Water-dependent habitats or species for which the Protected Area was designated (interest features):

Avocet; Bewicks swan; Black-tailed godwit; Common tern; Cormorant; Curlew

Waterbody ID:

GB106040018600; GB106040024030; GB106040024120; GB106040024160; GB530604002300; GB530604011500

Reason for feature/s either not meeting objective or being at risk of deterioration			***Measures proposed to maintain at, or improve to, Favourable Conservation Status***		***Measure to be made operational no later than***
Attribute	-	*Reason*	*Measure*	*Organisation responsible*	
Morphology	-	Inappropriate ditch management	Agri-environment scheme	Natural England	2012
Morphology	-	Inappropriate ditch management	Direct management	Water company	2012

N2K Protected Area in Thames River Basin District (Mole Gap to Reigate Escarpment SAC)

Protected Area name **Mole Gap to Reigate Escarpment SAC**	***Protected Area designation*** Habitats Directive (Council Directive 92/43/EEC): http://www.jncc.gov.uk/page-1374 Detailed site information: http://www.natureonthemap.org.uk/	***Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?*** **Yes** ***If not, date for achieving environmental objectives*** If extended, justification provided at end of this table

Overall objective for Protected Area:

Favourable Conservation Status (to protect and, where necessary, improve the water or water-dependent environment to the extent necessary to maintain at or improve to Favourable Conservation Status the water-dependent habitats and species for which the Protected Area is designated)

Water-dependent habitats or species for which the Protected Area was designated (interest features):

Bechstein's bat (S1323); Great crested newt (S1166)

Waterbody ID:

Reason for feature/s either not meeting objective or being at risk of deterioration	***Measures proposed to maintain at, or improve to, Favourable Conservation Status***		***Measure to be made operational no later than***
Attribute - Reason	*Measure*	*Organisation responsible*	

N2K Protected Area in Thames River Basin District (North Meadow and Clattinger Farm SAC)

Protected Area name **North Meadow and Clattinger Farm SAC**	***Protected Area designation*** Habitats Directive (Council Directive 92/43/EEC): http://www.jncc.gov.uk/page-1374 Detailed site information: http://www.natureonthemap.org.uk/	***Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?*** ***If not, date for achieving environmental objectives*** If extended, justification provided at end of this table	**Yes**

Overall objective for Protected Area:

Favourable Conservation Status (to protect and, where necessary, improve the water or water-dependent environment to the extent necessary to maintain at or improve to Favourable Conservation Status the water-dependent habitats and species for which the Protected Area is designated)

Water-dependent habitats or species for which the Protected Area was designated (interest features):

Lowland hay meadows (H6510)

Waterbody ID:

Reason for feature/s either not meeting objective or being at risk of deterioration	***Measures proposed to maintain at, or improve to, Favourable Conservation Status***		***Measure to be made operational no later than***
Attribute - Reason	*Measure*	*Organisation responsible*	

N2K Protected Area in Thames River Basin District (Oxford Meadows SAC)

Protected Area name **Oxford Meadows SAC**	***Protected Area designation*** Habitats Directive (Council Directive 92/43/EEC): http://www.jncc.gov.uk/page-1374 Detailed site information: http://www.natureonthemap.org.uk/	***Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?*** **Yes** ***If not, date for achieving environmental objectives*** If extended, justification provided at end of this table

Overall objective for Protected Area:

Favourable Conservation Status (to protect and, where necessary, improve the water or water-dependent environment to the extent necessary to maintain at or improve to Favourable Conservation Status the water-dependent habitats and species for which the Protected Area is designated)

Water-dependent habitats or species for which the Protected Area was designated (interest features):

Creeping marshwort (S1614); Lowland hay meadows (H6510)

Waterbody ID:

Reason for feature/s either not meeting objective or being at risk of deterioration	***Measures proposed to maintain at, or improve to, Favourable Conservation Status***		***Measure to be made operational no later than***
Attribute - Reason	*Measure*	*Organisation responsible*	

N2K Protected Area in Thames River Basin District (Peter's Pit SAC)

Protected Area name **Peter's Pit SAC**	***Protected Area designation*** Habitats Directive (Council Directive 92/43/EEC): http://www.jncc.gov.uk/page-1374 Detailed site information: http://www.natureonthemap.org.uk/	***Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?*** **Yes** ***If not, date for achieving environmental objectives*** If extended, justification provided at end of this table

Overall objective for Protected Area:

Favourable Conservation Status (to protect and, where necessary, improve the water or water-dependent environment to the extent necessary to maintain at or improve to Favourable Conservation Status the water-dependent habitats and species for which the Protected Area is designated)

Water-dependent habitats or species for which the Protected Area was designated (interest features):

Great crested newt (S1166)

Waterbody ID:

Reason for feature/s either not meeting objective or being at risk of deterioration	***Measures proposed to maintain at, or improve to, Favourable Conservation Status***		***Measure to be made operational no later than***
Attribute - Reason	*Measure*	*Organisation responsible*	

N2K Protected Area in Thames River Basin District (River Lambourn SAC)

Protected Area name **River Lambourn SAC**	***Protected Area designation*** Habitats Directive (Council Directive 92/43/EEC): http://www.jncc.gov.uk/page-1374 Detailed site information: http://www.natureonthemap.org.uk/	***Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?*** **No** ***If not, date for achieving environmental objectives*** **Extended to 2021** If extended, justification provided at end of this table

Overall objective for Protected Area:

Favourable Conservation Status (to protect and, where necessary, improve the water or water-dependent environment to the extent necessary to maintain at or improve to Favourable Conservation Status the water-dependent habitats and species for which the Protected Area is designated)

Water-dependent habitats or species for which the Protected Area was designated (interest features):

Brook lamprey (S1096); Bullhead (S1163); Rivers with floating vegetation often dominated by water-crowfoot (H3260)

Waterbody ID:

GB106039023220

Reason for feature/s either not meeting objective or being at risk of deterioration			***Measures proposed to maintain at, or improve to, Favourable Conservation Status***		***Measure to be made operational no later than***
Attribute	-	*Reason*	*Measure*	*Organisation responsible*	
Hydrology	-	Water abstraction	Abstraction licence - revoke or amend	Environment Agency	2012
Invasive species	-	Invasive freshwater species	Invasive species control programme for protected areas	Natural England	2012
Invasive species	-	Invasive freshwater species	Invasive species control programme for protected areas	Environment Agency	2012
Morphology	-	Inappropriate weirs dams and other structures	River restoration programme for protected areas	Natural England	2012
Morphology	-	Inappropriate weirs dams and other structures	River restoration programme for protected areas	Environment Agency	2012
Water quality	-	Water pollution - agriculture / run off	Develop pollution action plan (evaluate impacts and apply appropriate solution, e.g. catchment sensitive farming, water protection zone or control of discharges)	West Berkshire Council	2012
Water quality	-	Water pollution - agriculture / run off	Develop pollution action plan (evaluate impacts and apply appropriate solution, e.g. catchment sensitive farming, water protection zone or control of discharges)	Natural England	2012
Water quality	-	Water pollution - agriculture / run off	Develop pollution action plan (evaluate impacts and apply appropriate solution, e.g. catchment sensitive farming, water protection zone or control of discharges)	Environment Agency	2012

N2K Protected Area in Thames River Basin District (River Lambourn SAC)

Reason for feature/s not meeting objective by 2015
Invasive freshwater species - technically infeasible: no known technical solution
Justification for extended deadline
The American signal crayfish is established, and trapping has not been effective. Natural England are investigating technically feasible solutions to control or eradicate signal crayfish. More time is required to do this.

N2K Protected Area in Thames River Basin District (Shortheath Common SAC)

Protected Area name **Shortheath Common SAC**	***Protected Area designation*** Habitats Directive (Council Directive 92/43/EEC): http://www.jncc.gov.uk/page-1374 Detailed site information: http://www.natureonthemap.org.uk/	***Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?*** **Yes** ***If not, date for achieving environmental objectives*** If extended, justification provided at end of this table

Overall objective for Protected Area:

Favourable Conservation Status (to protect and, where necessary, improve the water or water-dependent environment to the extent necessary to maintain at or improve to Favourable Conservation Status the water-dependent habitats and species for which the Protected Area is designated)

Water-dependent habitats or species for which the Protected Area was designated (interest features):

Bog woodland (H91D0); Very wet mires often identified by an unstable 'quaking' surface (H7140)

Waterbody ID:

Reason for feature/s either not meeting objective or being at risk of deterioration	***Measures proposed to maintain at, or improve to, Favourable Conservation Status***		***Measure to be made operational no later than***
Attribute - Reason	*Measure*	*Organisation responsible*	

N2K Protected Area in Thames River Basin District (South West London Waterbodies SPA)

Protected Area name **South West London Waterbodies SPA**	***Protected Area designation*** Habitats Directive (Council Directive 92/43/EEC): http://www.jncc.gov.uk/page-1374 Detailed site information: http://www.natureonthemap.org.uk/	***Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?*** **No** ***If not, date for achieving environmental objectives*** **2015** If extended, justification provided at end of this table

Overall objective for Protected Area:

Favourable Conservation Status (to protect and, where necessary, improve the water or water-dependent environment to the extent necessary to maintain at or improve to Favourable Conservation Status the water-dependent habitats and species for which the Protected Area is designated)

Water-dependent habitats or species for which the Protected Area was designated (interest features):

Gadwall; Shoveler

Waterbody ID:

GB106039017060; GB106039017070; GB106039023040; GB106039023450; GB30642417; GB30642430; GB30642488; GB30642489; GB30642490; GB30642525; GB30642614; GB30642753; GB30642779; GB30642791

Reason for feature/s either not meeting objective or being at risk of deterioration			***Measures proposed to maintain at, or improve to, Favourable Conservation Status***		***Measure to be made operational no later than***
Attribute	-	*Reason*	*Measure*	*Organisation responsible*	
Water quality	-	Freshwater fish stocking	Investigate and negotiate changes	Natural England	2012

N2K Protected Area in Thames River Basin District (Thames Estuary & Marshes SPA)

Protected Area name **Thames Estuary & Marshes SPA**	***Protected Area designation*** Habitats Directive (Council Directive 92/43/EEC): http://www.jncc.gov.uk/page-1374 Detailed site information: http://www.natureonthemap.org.uk/	***Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?*** **No** ***If not, date for achieving environmental objectives*** **2015** If extended, justification provided at end of this table

Overall objective for Protected Area:

Favourable Conservation Status (to protect and, where necessary, improve the water or water-dependent environment to the extent necessary to maintain at or improve to Favourable Conservation Status the water-dependent habitats and species for which the Protected Area is designated)

Water-dependent habitats or species for which the Protected Area was designated (interest features):

Avocet; Bewicks swan; Black-tailed godwit; Common tern; Cormorant; Curlew

Waterbody ID:

GB106040024230; GB30642407; GB30642424; GB530603911401; GB530603911402; GB530604002300; GB560504016800; GB560604017600; GB560604017700

Reason for feature/s either not meeting objective or being at risk of deterioration			***Measures proposed to maintain at, or improve to, Favourable Conservation Status***		***Measure to be made operational no later than***
Attribute	-	*Reason*	*Measure*	*Organisation responsible*	
Morphology	-	Coastal squeeze	Flood risk management	Environment Agency	2012

N2K Protected Area in Thames River Basin District (The Swale SPA)

Protected Area name **The Swale SPA**	***Protected Area designation*** Habitats Directive (Council Directive 92/43/EEC): http://www.jncc.gov.uk/page-1374 Detailed site information: http://www.natureonthemap.org.uk/ http://www.msep.org.uk/	***Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?*** **No** ***If not, date for achieving environmental objectives*** **2015** If extended, justification provided at end of this table

Overall objective for Protected Area:

Favourable Conservation Status (to protect and, where necessary, improve the water or water-dependent environment to the extent necessary to maintain at or improve to Favourable Conservation Status the water-dependent habitats and species for which the Protected Area is designated)

Water-dependent habitats or species for which the Protected Area was designated (interest features):

Breeding bird assemblage; Coot; Curlew; Dark-bellied brent goose; Dunlin; Gadwall; Grey plover; Lapwing; Mallard; Moorhen; Oystercatcher; Redshank; Reed bunting; Reed warbler; Ringed plover; Shelduck; Teal; Waterfowl assemblage

Waterbody ID:

GB106040018540; GB106040018560; GB106040018600; GB30642923; GB30642956; GB530604011500; GB560604017400; GB640604290000

Reason for feature/s either not meeting objective or being at risk of deterioration			***Measures proposed to maintain at, or improve to, Favourable Conservation Status***		***Measure to be made operational no later than***
Attribute	-	*Reason*	*Measure*	*Organisation responsible*	
Morphology	-	Inappropriate ditch management	Agri-environment scheme	Natural England	2012

N2K Protected Area in Thames River Basin District (Thursley; Ash; Pirbright and Chobham SAC)

Protected Area name **Thursley; Ash; Pirbright and Chobham SAC**	***Protected Area designation*** Habitats Directive (Council Directive 92/43/EEC): http://www.jncc.gov.uk/page-1374 Detailed site information: http://www.natureonthemap.org.uk/	***Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?*** **Yes** ***If not, date for achieving environmental objectives*** If extended, justification provided at end of this table

Overall objective for Protected Area:

Favourable Conservation Status (to protect and, where necessary, improve the water or water-dependent environment to the extent necessary to maintain at or improve to Favourable Conservation Status the water-dependent habitats and species for which the Protected Area is designated)

Water-dependent habitats or species for which the Protected Area was designated (interest features):

Depressions on peat substrates (H7150); Wet heathland with cross-leaved heath (H4010)

Waterbody ID:

N2K Protected Area in Thames River Basin District (Woolmer Forest SAC)

Protected Area name **Woolmer Forest SAC**	***Protected Area designation*** Habitats Directive (Council Directive 92/43/EEC): http://www.jncc.gov.uk/page-1374 Detailed site information: http://www.natureonthemap.org.uk/	***Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?*** **No** ***If not, date for achieving environmental objectives*** **2015** If extended, justification provided at end of this table

Overall objective for Protected Area:

Favourable Conservation Status (to protect and, where necessary, improve the water or water-dependent environment to the extent necessary to maintain at or improve to Favourable Conservation Status the water-dependent habitats and species for which the Protected Area is designated)

Water-dependent habitats or species for which the Protected Area was designated (interest features):

Acid peat-stained lakes and ponds (H3160); Depressions on peat substrates (H7150); Very wet mires often identified by an unstable 'quaking' surface (H7140); Wet heathland with cross-leaved heath (H4010)

Waterbody ID:

Reason for feature/s either not meeting objective or being at risk of deterioration			***Measures proposed to maintain at, or improve to, Favourable Conservation Status***		***Measure to be made operational no later than***
Attribute	-	*Reason*	*Measure*	*Organisation responsible*	
Invasive species	-	Invasive freshwater species	Invasive species control programme for protected areas	Ministry of Defence	2012
Invasive species	-	Invasive freshwater species	Invasive species control programme for protected areas	Herpetological Conservation Trust	2012

D.6 Other information

In the third consultation paper on the implementation of the EC Water Framework Directive (2000/60/EC), published in August 2003, the Government stated that it would be beneficial to include a map showing nationally designated conservation sites and Ramsar sites that are not coincident with Natura 2000 designations to further policy and delivery integration. This map is presented in Figure D.32. It shows all Sites of Special Scientific Interest (SSSIs) including those that are not water dependent.

Water Framework Directive objectives only apply to SSSIs that are part of Natura 2000 Protected Areas or are designated as water bodies in their own right.

Figure D.32 Location of Sites of Special Scientific Interest and Ramsar sites that do not overlap with Natura 2000 Protected Areas.