

# Water for life and livelihoods

River Basin Management Plan  
South East River Basin District

Annex D: Protected area objectives

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## 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<sup>1</sup>.

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.

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<sup>1</sup> The relevant Natura 2000 sites include water dependent Special Areas of Conservation (SAC) and Special Protection Areas for birds (SPA) 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'.

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<sup>1</sup> 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 South East River Basin District there are:

46 Drinking Water Protected Areas (DrWPAs);

222 Freshwater Fish Waters;

26 Shellfish Waters;

81 Bathing Waters;

70% land area covered by Nitrate Vulnerable Zones (NVZs) (NVZs subject to appeals);

20 UWWTD Sensitive Areas;

13 water dependent Special Areas of Conservation (SAC);

8 water dependent Special Protection Areas (SPAs).

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<sup>2</sup> 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:

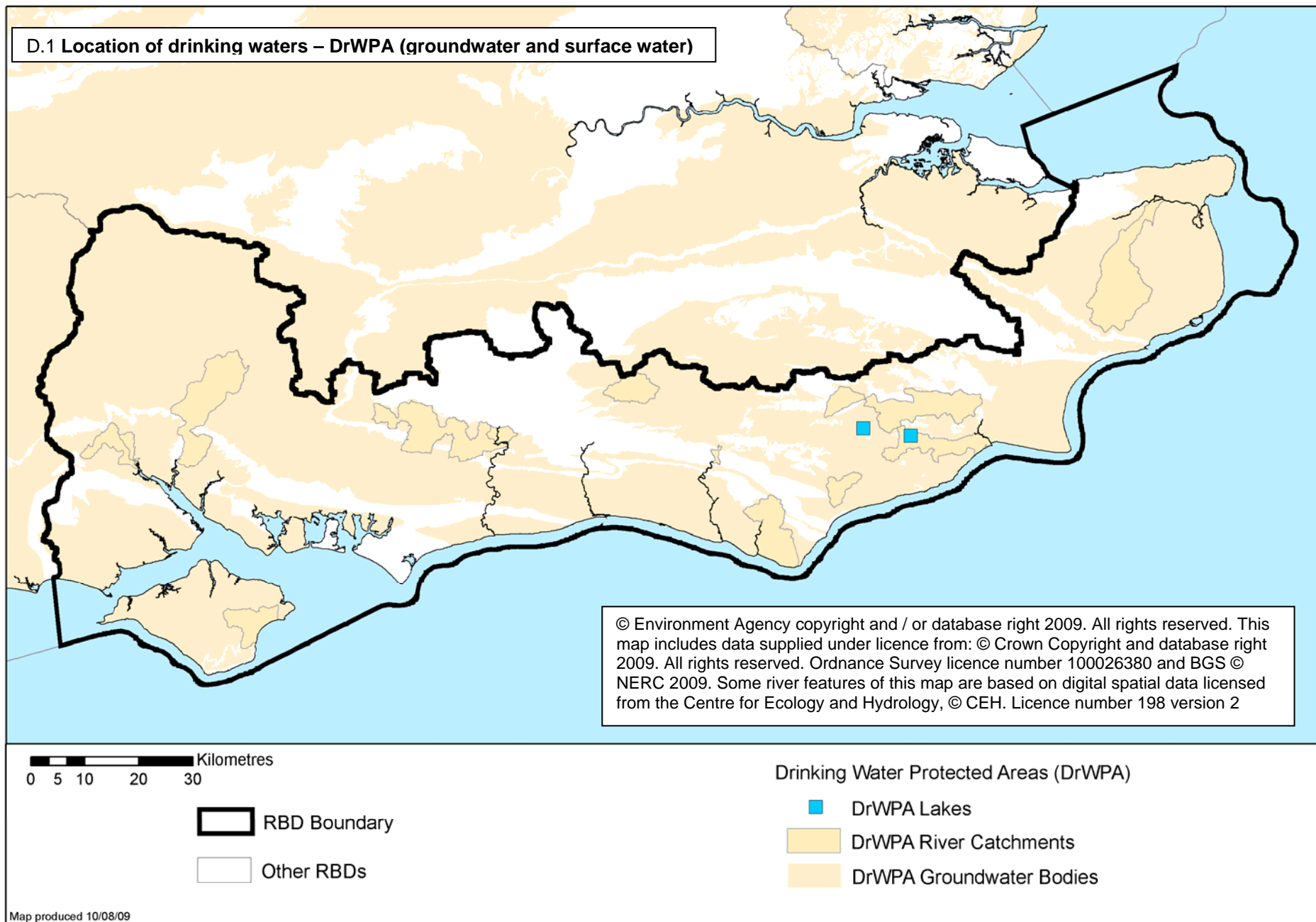
D.1-D.3 Drinking Waters – DrWPAs

D.4 Economically significant species – Freshwater Fish & Shellfish Waters

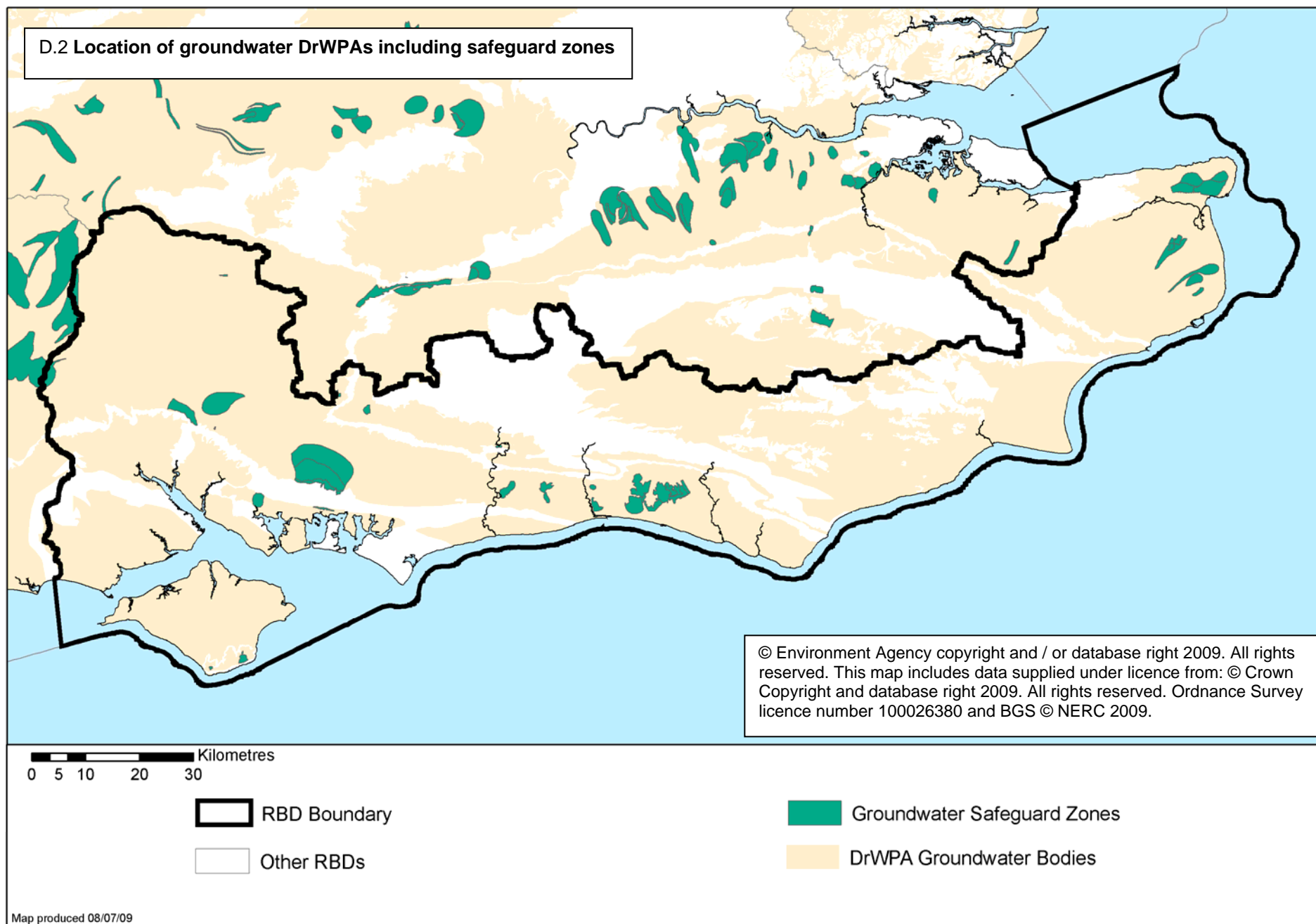
D.5 Recreational waters – Bathing Waters

D.6 Nutrient sensitive areas – Nitrate Vulnerable Zones & UWWTD Sensitive Areas (NVZs subject to appeals)

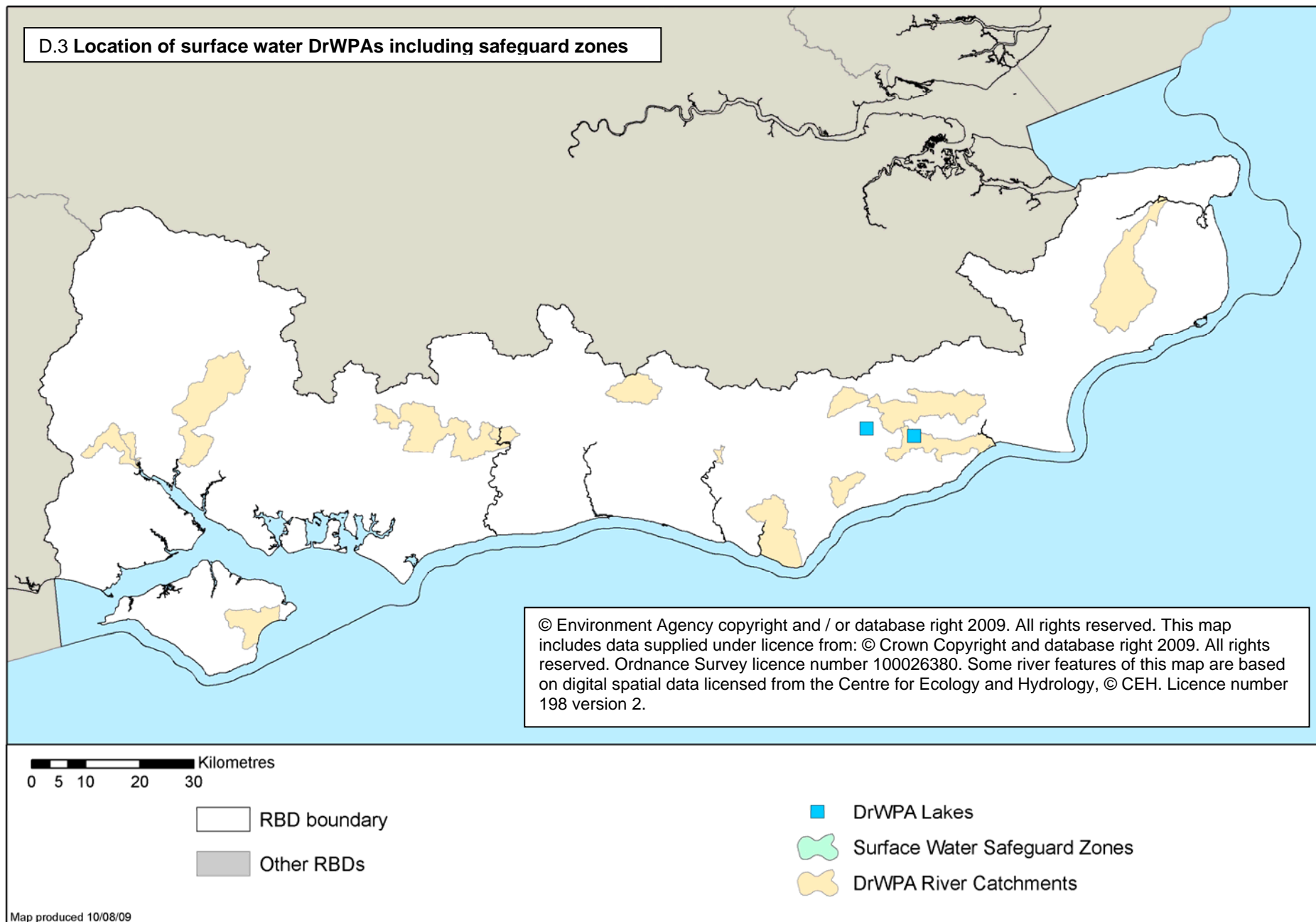
D.7 Conservation sites – Natura 2000 Protected Areas (water dependent SACs & SPAs)



## D.2 Location of groundwater DrWPAs including safeguard zones

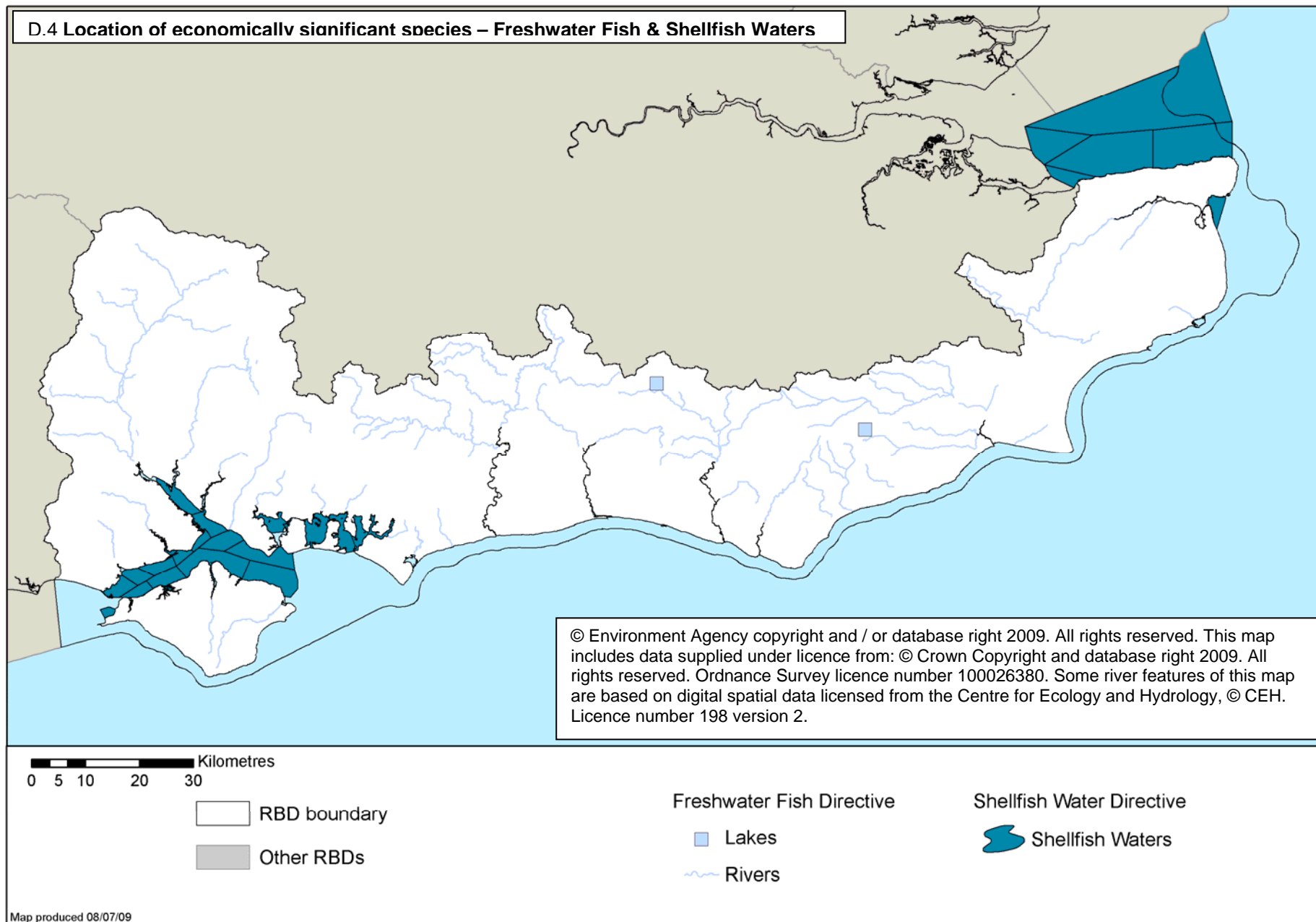


### D.3 Location of surface water DrWPAs including safeguard zones



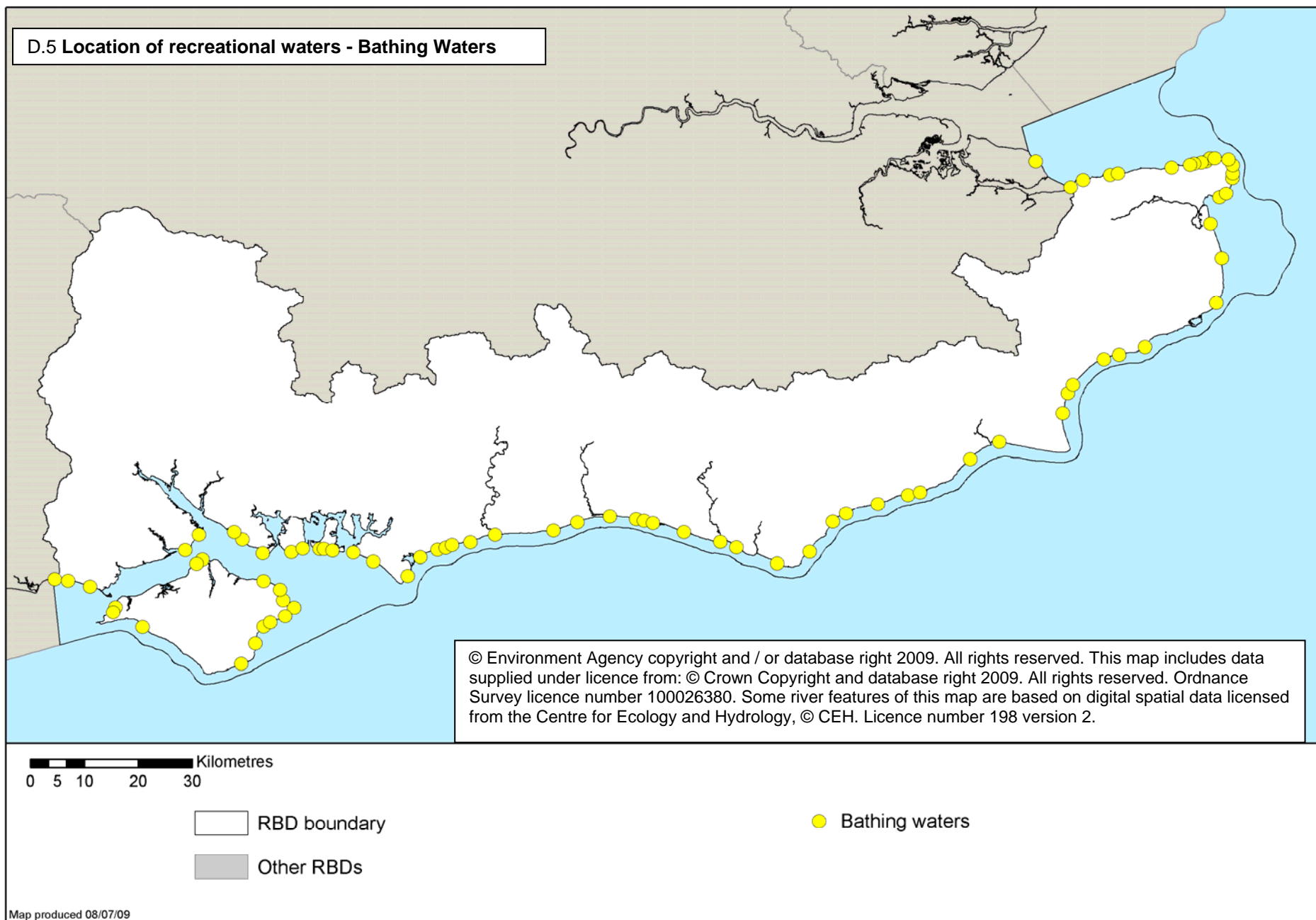


#### D.4 Location of economically significant species – Freshwater Fish & Shellfish Waters

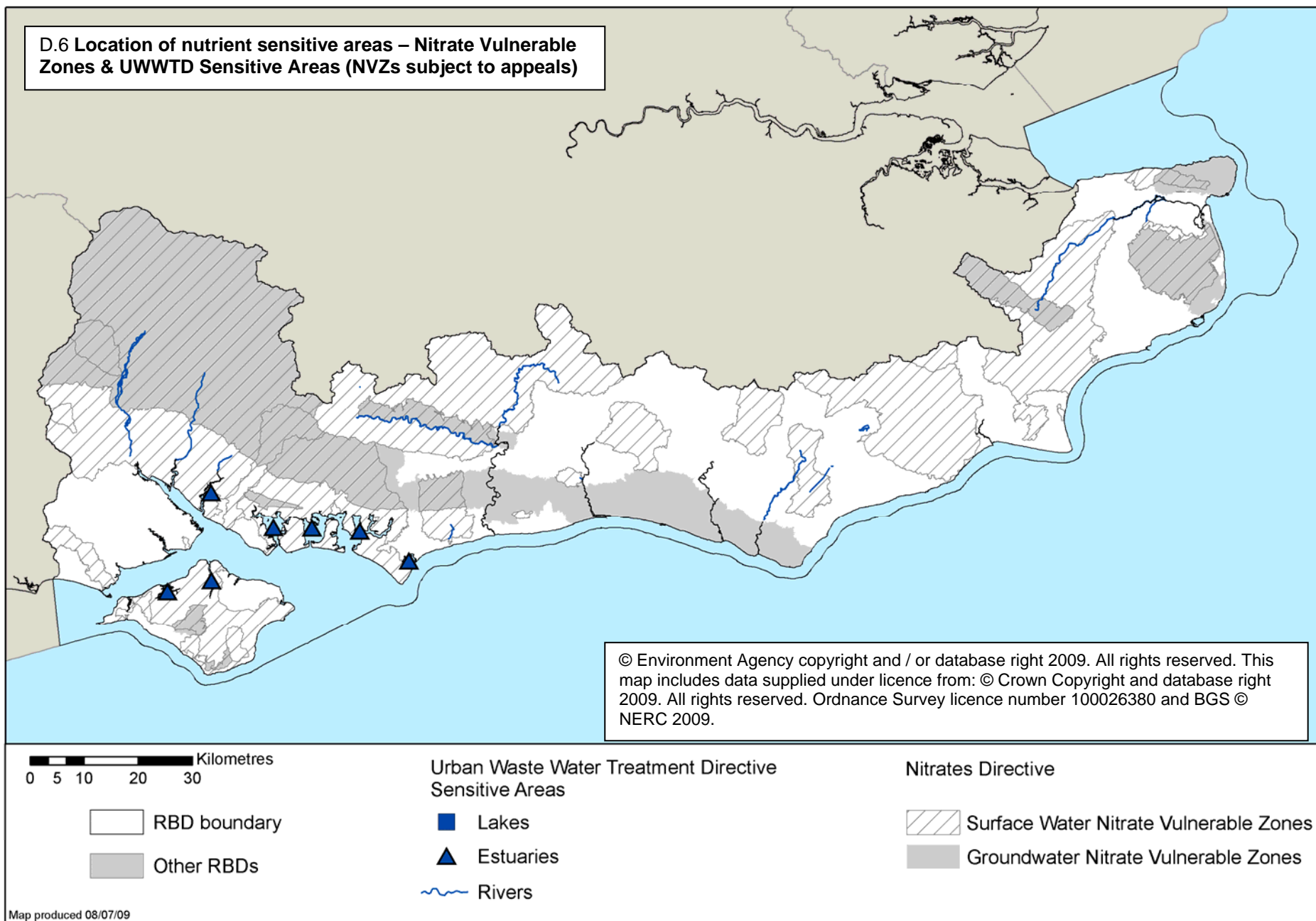


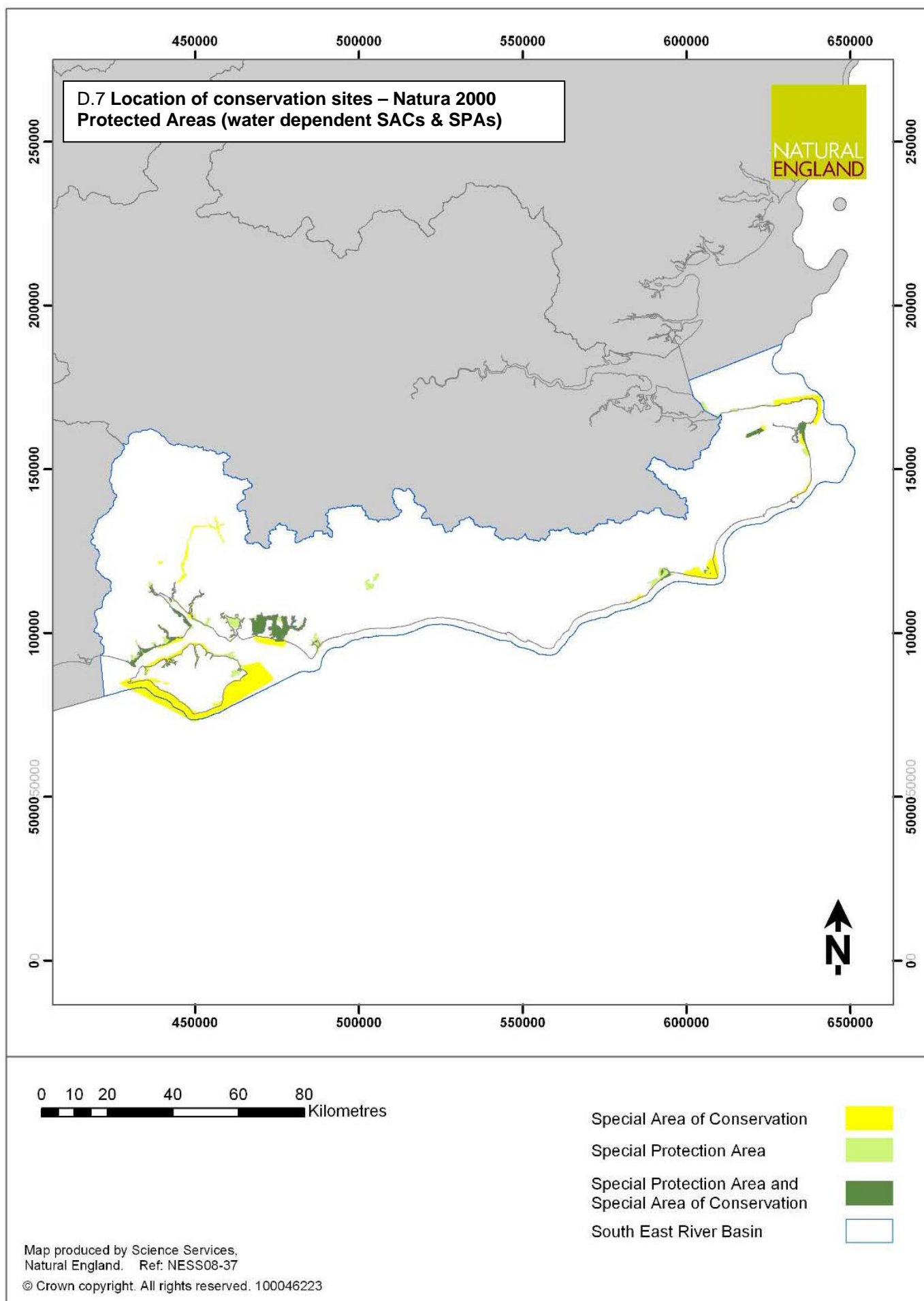


## D.5 Location of recreational waters - Bathing Waters



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





## D.3 Monitoring network

Monitoring programmes have been established in the South East 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

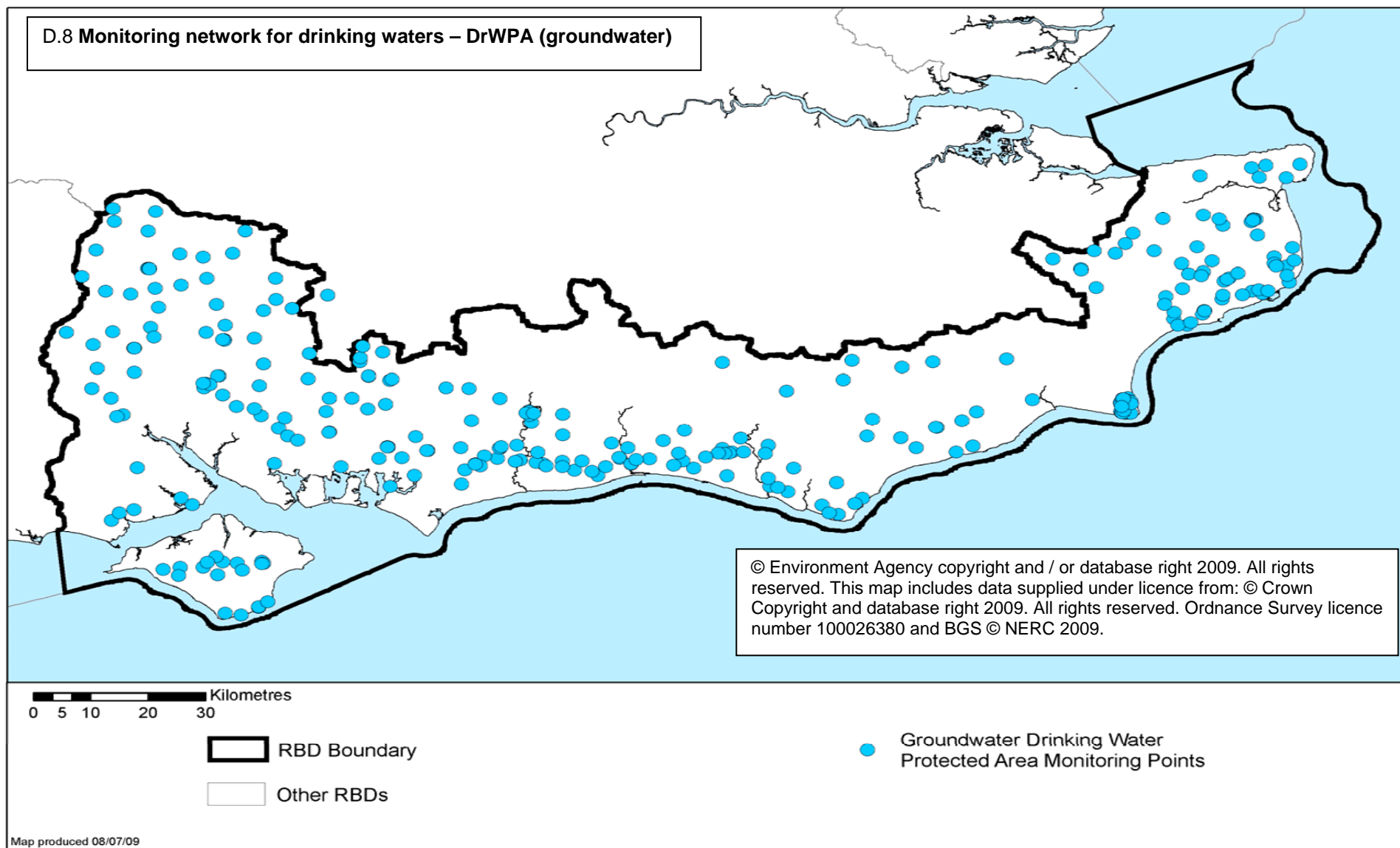
D.10 Economically significant species – Freshwater Fish & Shellfish Waters

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)

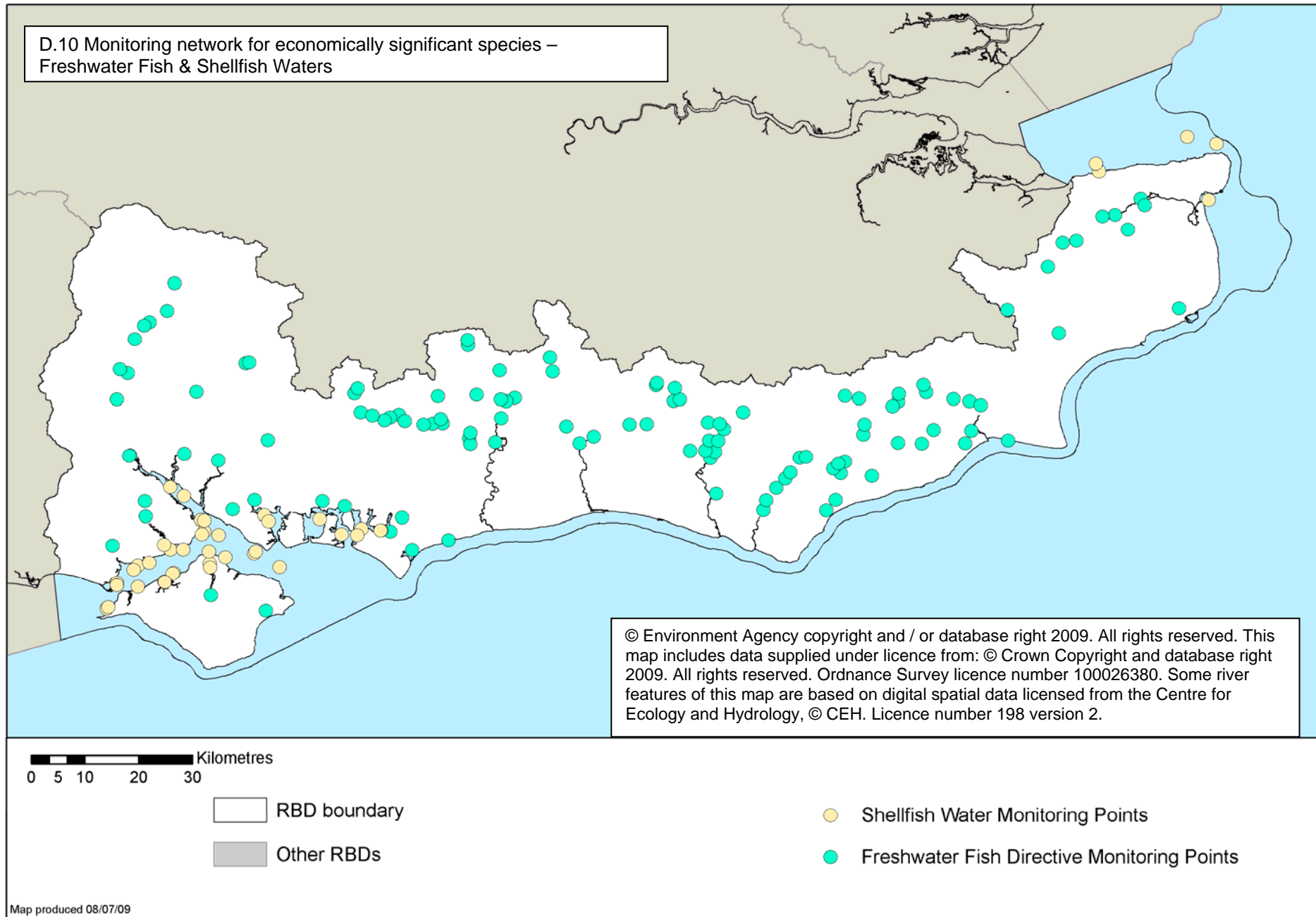
#### D.8 Monitoring network for drinking waters – DrWPA (groundwater)

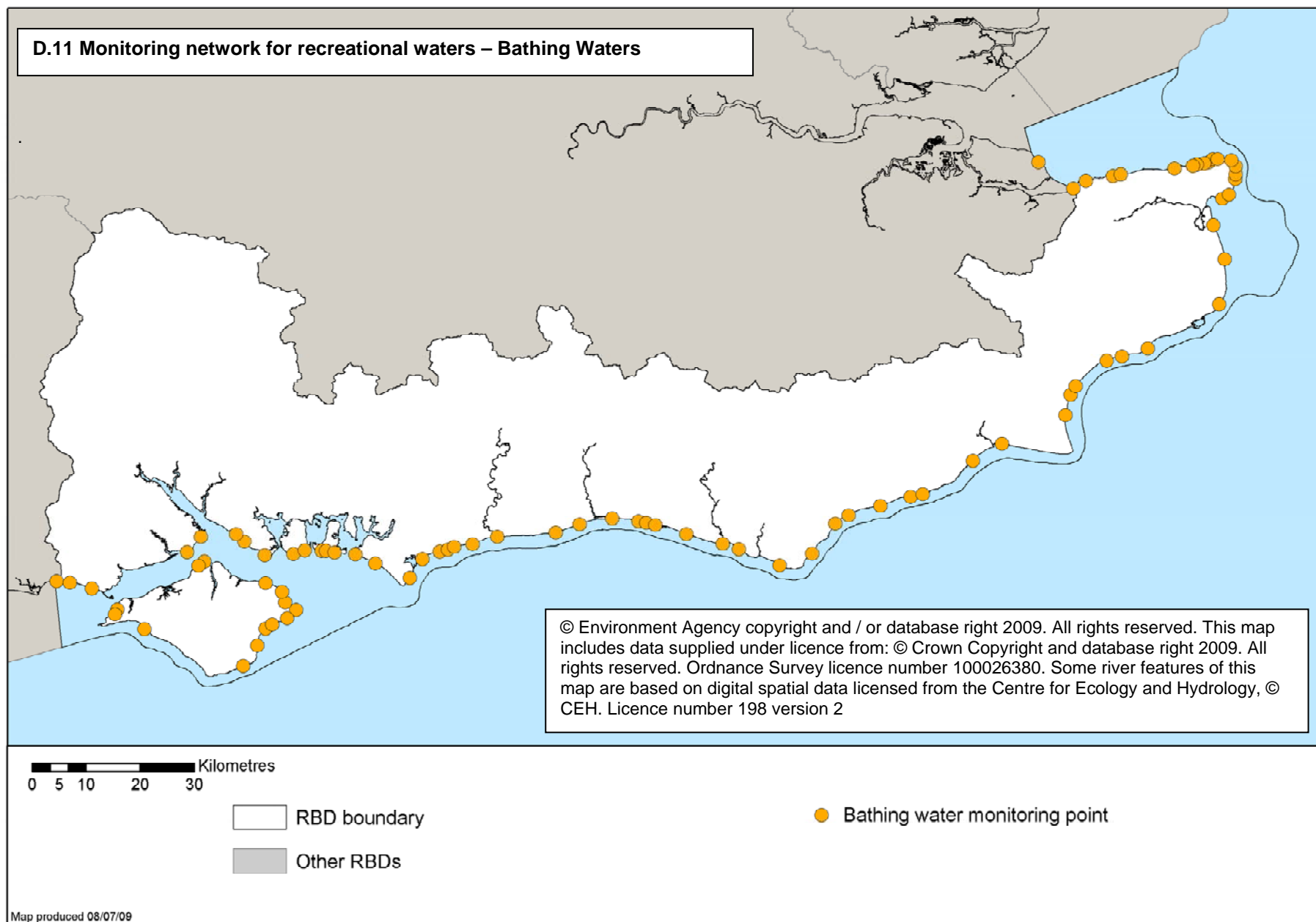


#### D.9 Monitoring network for drinking waters – DrWPA (surface water)

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.

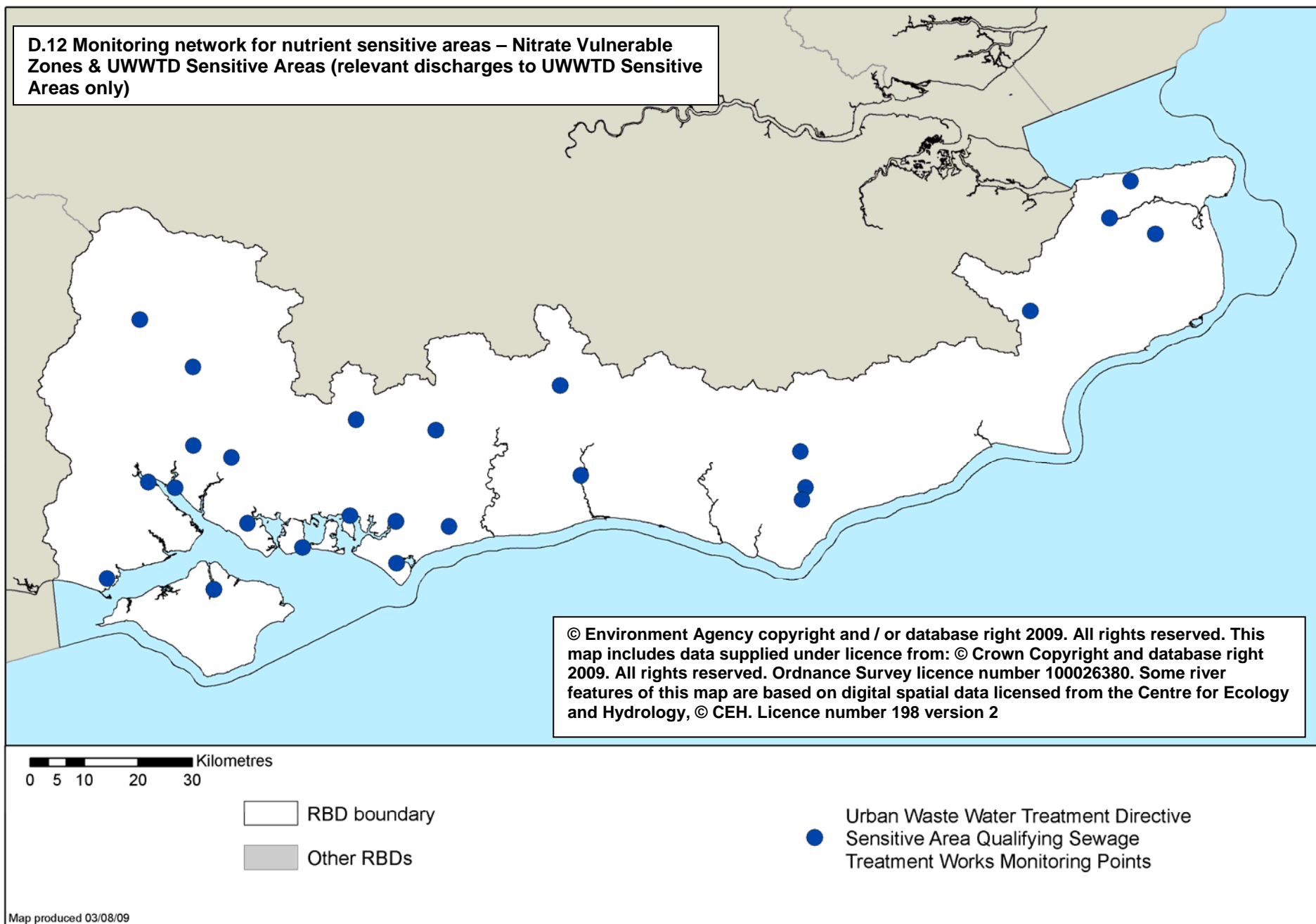
D.10 Monitoring network for economically significant species –  
Freshwater Fish & Shellfish Waters

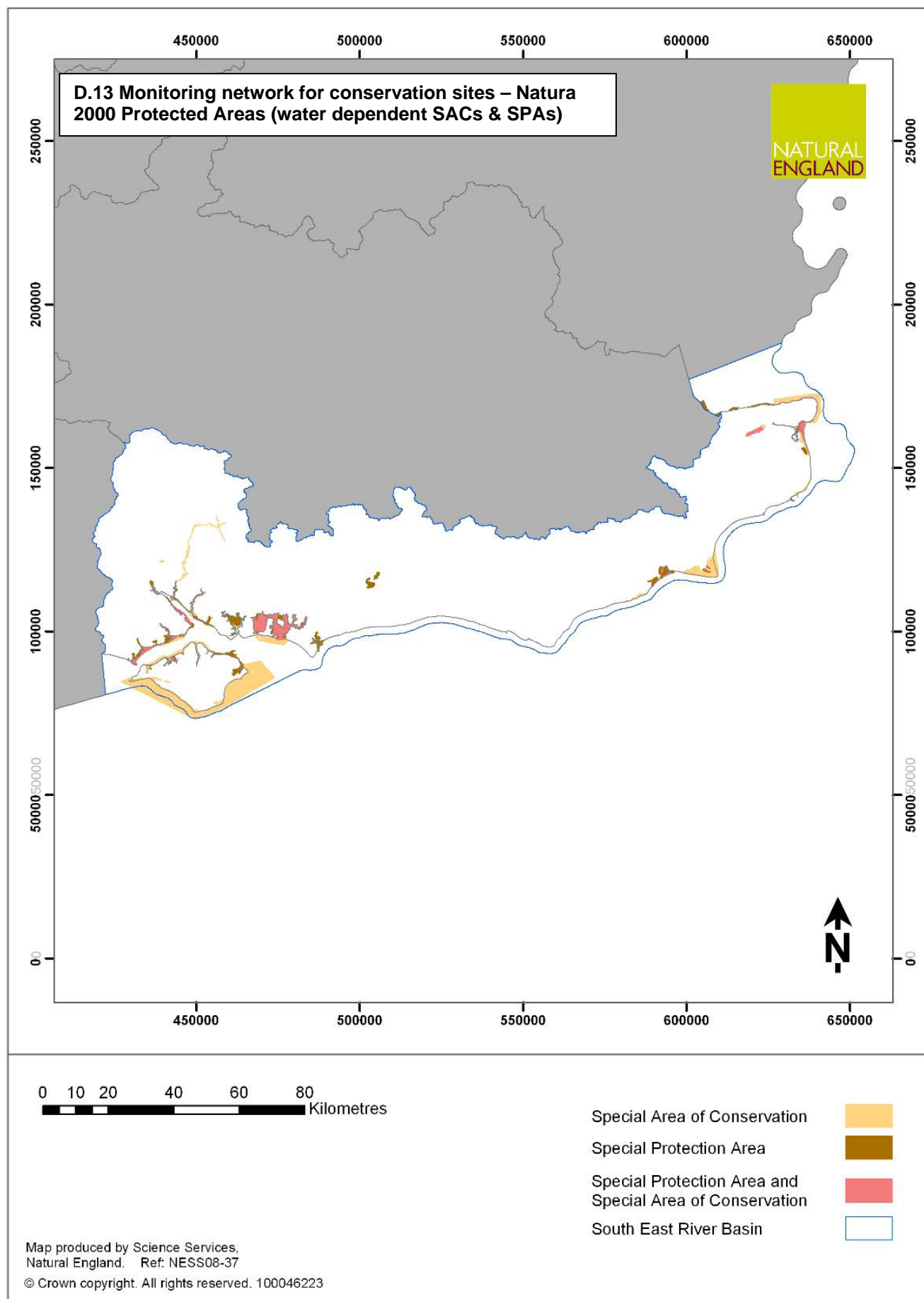






**D.12 Monitoring network for nutrient sensitive areas – Nitrate Vulnerable Zones & UWWTD Sensitive Areas (relevant discharges to UWWTD Sensitive Areas only)**





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

<a href="#">Common Standards Guidance on Freshwater Fauna</a>
Marine mammals: <a href="#">Common Standards Monitoring Guidance for Marine Mammals</a>
Terrestrial mammals (otters and bats etc): <a href="#">Common Standards Monitoring Guidance for Terrestrial Mammals</a>
Vascular plants (including freshwater and wetland plants): <a href="#">Common Standards Monitoring Guidance for Vascular Plants</a>
Bryophytes and Lichens: <a href="#">Common Standards Monitoring Guidance for Bryophytes and Lichens</a>

## 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 actions 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 designating 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 Areas (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<sup>3</sup>.

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 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.

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<sup>3</sup> "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



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 restore or maintain 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 the 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 restoration to favourable conservation status cannot be extended.

## D.5 Compliance (results of monitoring)<sup>4</sup>

### Drinking Water Protected Areas

#### Groundwater

The Groundwater Directive (2006/118/EC) requires that for good chemical status to be achieved, for groundwater bodies, Drinking Water Protected Area (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
GB40702G502000	Adur & Ouse Hastings Beds	Probably At Risk	GOOD		Not yet defined/not required
GB40702G500600	Arun & Western Streams Hastings Beds	Probably Not At Risk	GOOD		Not yet defined/not required

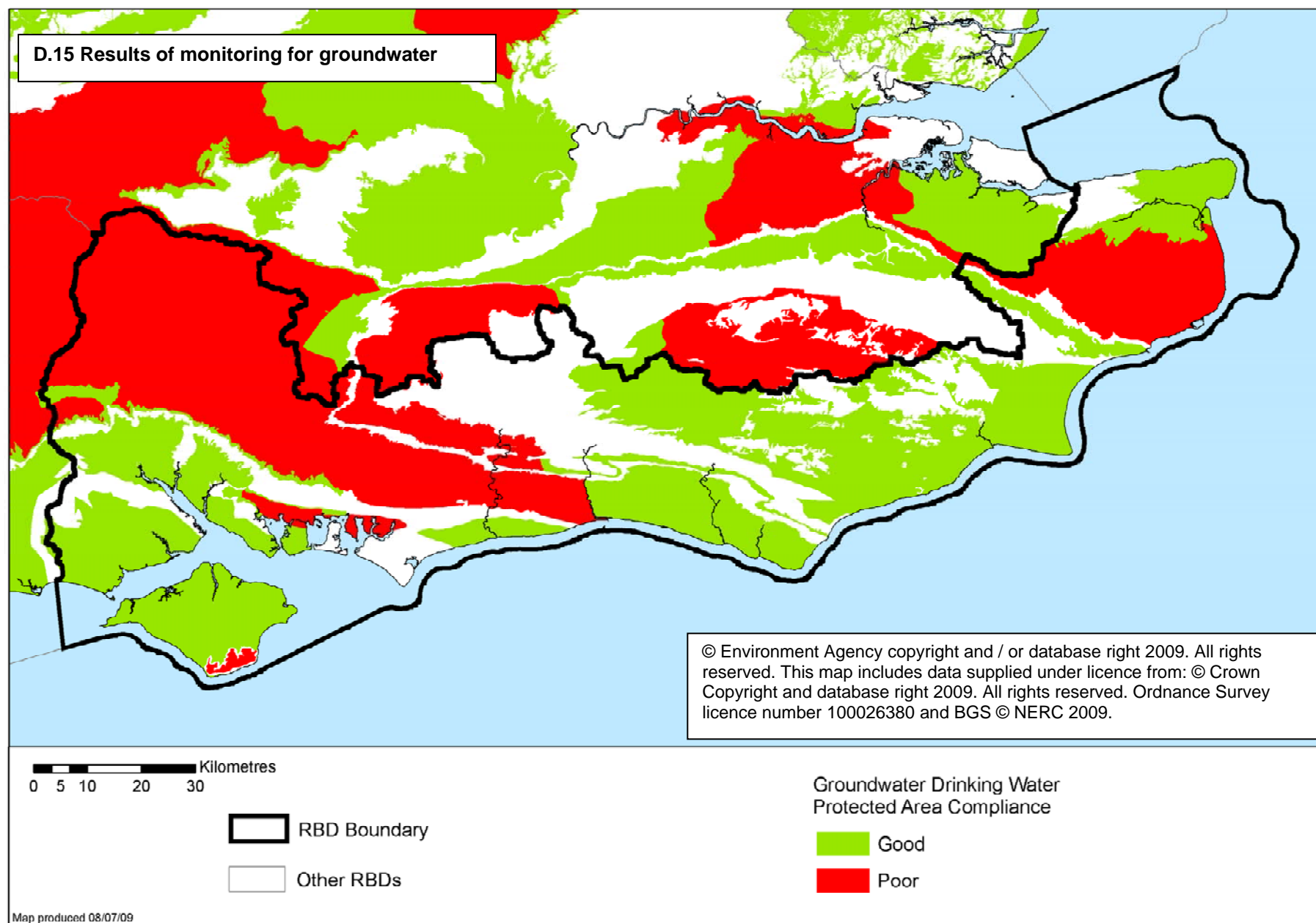
<sup>4</sup> EC Guideline standards (rather than UK Guideline) are used for Protected Area reporting purposes in line with directive reporting to the European Commission.



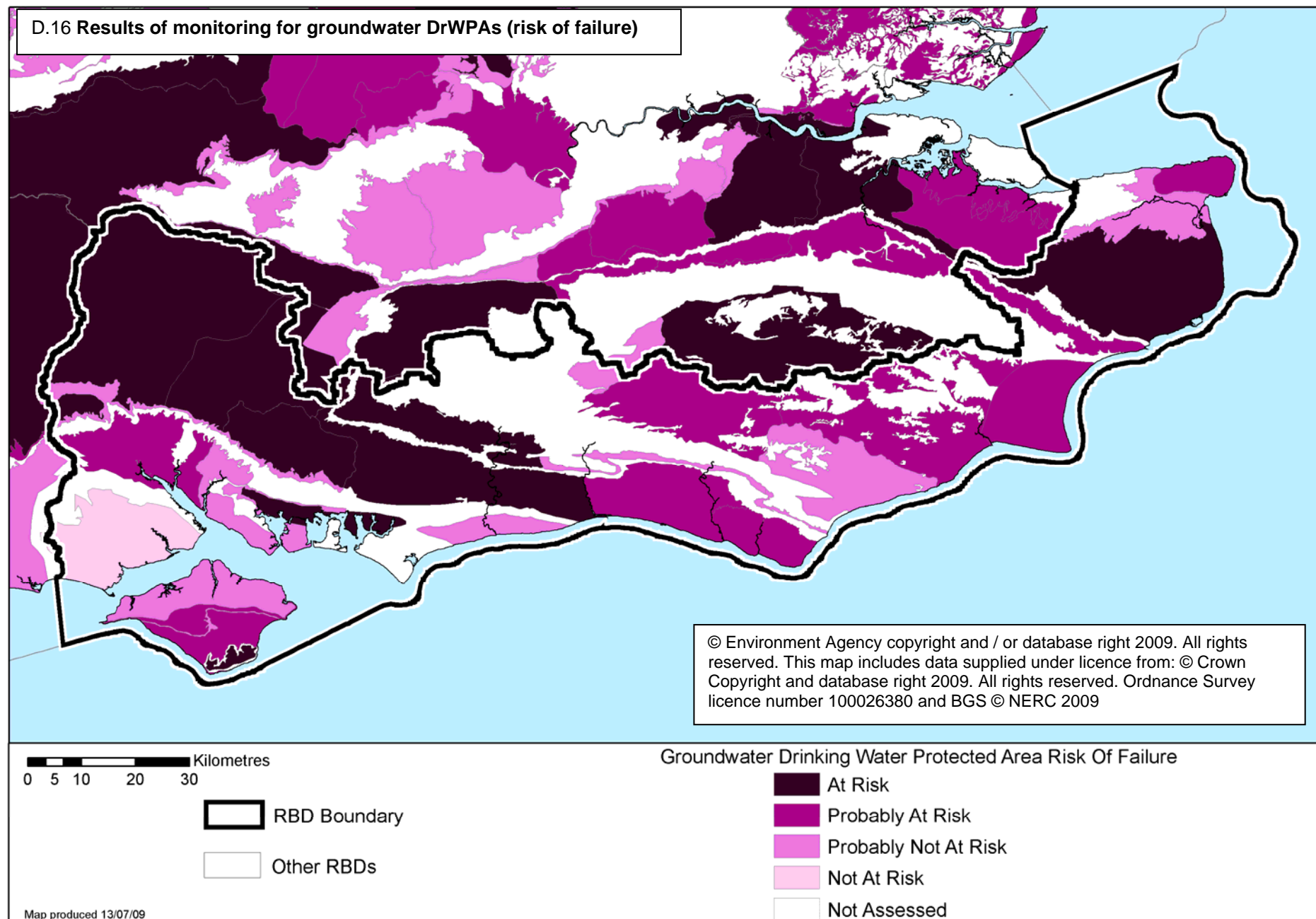
GWB ID	Groundwater DrWPA name	Risk	Compliance status (good, poor)	Chemical causing poor status	Proposed Safeguard Zones
GB40701G502500	Brighton Chalk Block	Probably At Risk	GOOD		FALMER, GOLDSTONE, HOUSEDEAN, LEWES ROAD, NEWMARKET 1, NEWMARKET 2&3, NEWMARKET 4, PATCHAM, SHOREHAM, STEYNING, SURRENDEN
GB40702G500900	Central Hants Bracklesham Group	Probably At Risk	GOOD		Not yet defined/not required
GB40702G503800	Central Hants Lambeth Group	Probably Not At Risk	GOOD		Not yet defined/not required
GB40701G500700	Chichester-Worthing-Portsdown Chalk	At Risk	POOR	NITRATE AS NO3	BEDHAMPTON & HAVANT SPRINGS, BURPHAM, FINDON, LOVEDEAN, OAKSHOTT
GB40701G502700	East Hants Chalk	At Risk	POOR	AMMONIA - AS N	BEDHAMPTON & HAVANT SPRINGS, LOVEDEAN, MAINDELL
GB40702G500800	East Hants Lambeth Group	Probably Not At Risk	GOOD		Not yet defined/not required
GB40701G501500	East Kent Chalk: Stour	At Risk	POOR	NITRATE AS NO3	FLEMINGS, MARTIN MILL DEAL, ST RICHARDS RD DEAL, SUTTON, WOODNESBOROUGH
GB40702G501600	East Kent Tertiaries	Probably Not At Risk	GOOD		Not yet defined/not required
GB40702G502100	Hastings Beds Cuckmere and Pevensey Levels	Probably Not At Risk	GOOD		Not yet defined/not required
GB40701G503200	Isle of Wight Central Downs Chalk	Probably At Risk	GOOD		Not yet defined/not required

GWB ID	Groundwater DrWPA name	Risk	Compliance status (good, poor)	Chemical causing poor status	Proposed Safeguard Zones
GB40701G502900	Isle of Wight Lower Greensand	Probably At Risk	GOOD		Not yet defined/not required
GB40702G501000	Isle of Wight Solent Group	Probably Not At Risk	GOOD		Not yet defined/not required
GB40701G502800	Isle of Wight Southern Downs Chalk	At Risk	POOR	BENTAZON E, NITRATE AS NO3	NITON, VENTNOR, VENTNOR TUNNEL
GB40701G501400	Kent Greensand Eastern	Probably At Risk	GOOD		Not yet defined/not required
GB40701G500100	Kent Isle of Thanet Chalk	Probably At Risk	GOOD		LORD OF THE MANOR, MINSTER, RUMFIELDS, SPARROWS CASTLE
GB40702G503900	Kent Romney Marsh	Probably At Risk	GOOD		Not yet defined/not required
GB40702G502200	Kent Weald Eastern: Rother	Probably At Risk	GOOD		Not yet defined/not required
GB40701G503400	Littlehampton Anticline East	Probably Not At Risk	GOOD		Not yet defined/not required
GB40701G504900	Littlehampton Anticline West	Probably Not At Risk	GOOD		Not yet defined/not required
GB40701G502400	Lower Greensand Adur & Ouse	Probably Not At Risk	GOOD		Not yet defined/not required
GB40701G503100	Lower Greensand Arun & Western Streams	At Risk	POOR	NITRATE AS NO3	HARDHAM, ROGATE
GB40701G502600	Lower Greensand Cuckmere & Pevensy Levels	Probably Not At Risk	GOOD		Not yet defined/not required
GB40701G505000	River Itchen Chalk	At Risk	POOR	NITRATE AS NO3	OAKSHOTT, OTTERBOURNE TWYFORD

GWB ID	Groundwater DrWPA name	Risk	Compliance status (good, poor)	Chemical causing poor status	Proposed Safeguard Zones
GB40701G501200	River Test Chalk	At Risk	POOR	NITRATE AS NO3	CHOLDERTON BOREHOLES 1 AND 2 (AKA THRUZTON BOREHOLES, DEANS FARM BOREHOLES SALISBURY, HUNGERFORD, OVERTON, TIDWORTH GARRISON BOREHOLE (MOD)
GB40701G501100	Seaford and Eastbourne Chalk Block	Probably At Risk	GOOD		Not yet defined/not required
GB40702G503000	South East Hants Bracklesham Group	Probably Not At Risk	GOOD		Not yet defined/not required
GB40702G503700	South Hants Lambeth Group	Probably Not At Risk	GOOD		Not yet defined/not required
GB40702G503500	South West Hants Barton Group	Not At Risk	GOOD		Not yet defined/not required



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



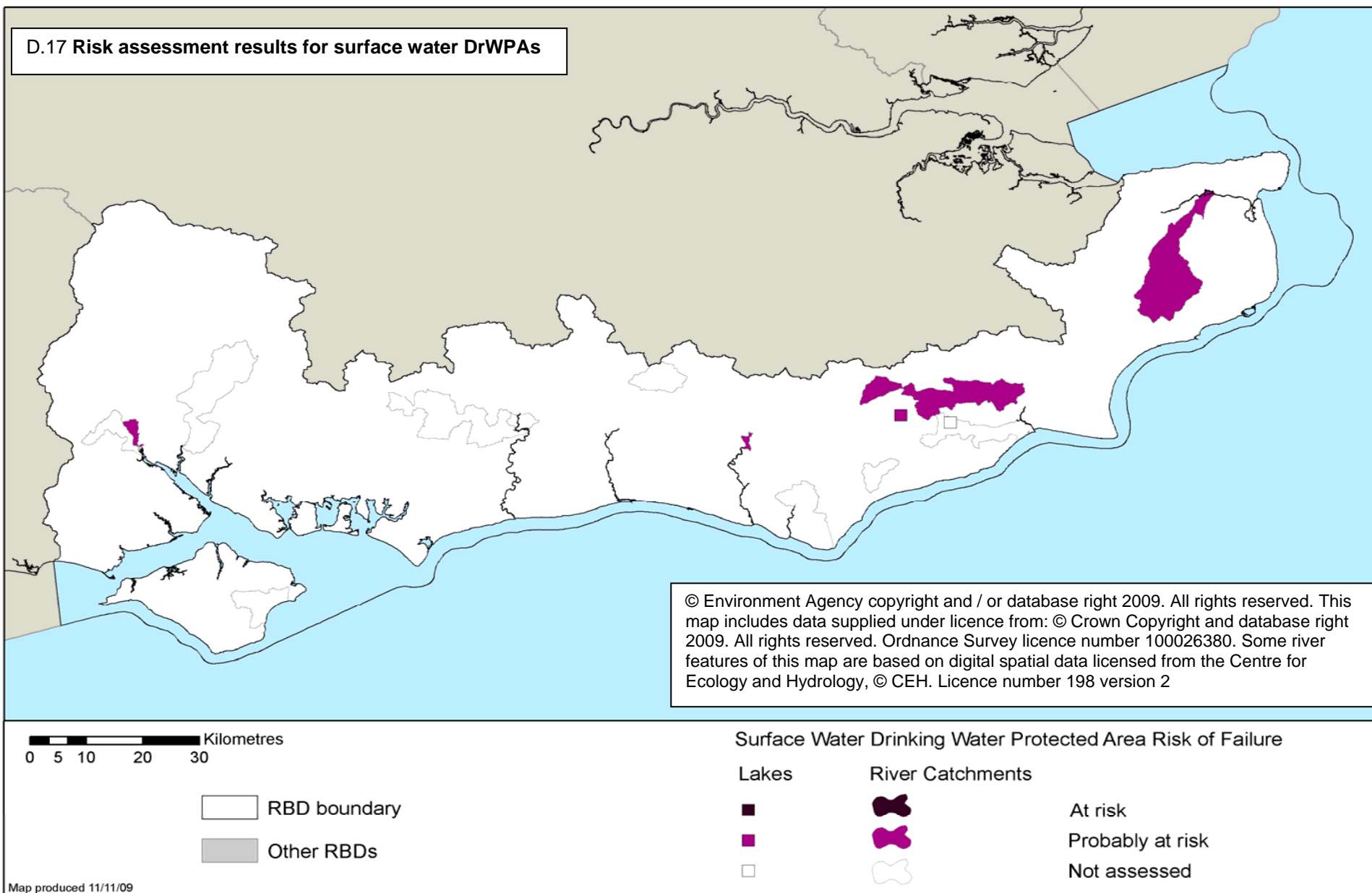
## **Surface water**

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

There are currently no surface water DrWPAs assessed as at risk of failure with high confidence.

### 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
GB30744 955	Darwell Reservoir	Carbetamide	Further monitoring/investigations to confirm risk of failure	Water companies	Agriculture and rural land management	Chemicals Regulation Directorate
GB30744 955	Darwell Reservoir	Dalapon	Further monitoring/investigations to confirm risk of failure	Water companies	Agriculture and rural land management	Environment Agency
GB30744 955	Darwell Reservoir	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
GB10704 0019590	Little Stour	Aldrin	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
GB10704 0019590	Little Stour	Atrazine	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
GB10704 0019590	Little Stour	Bentazone	Further monitoring/investigations to confirm risk of failure	Water companies	Agriculture and rural land management	Environment Agency
GB10704 0019590	Little Stour	Carbendazim	Further monitoring/investigations to confirm risk of failure	Water companies	Agriculture and rural land management	Environment Agency
GB10704 0019590	Little Stour	Chlortoluron	Further monitoring/investiga	Water companies	Agriculture and rural land	Environment Agency

SW DrWPA ID	SW DrWPA name	Parameter	Action	Affected Sector	Contributing Sector	Lead Organisation
			tions to confirm risk of failure		management	
GB10704 0019590	Little Stour	Cyanazine	Further monitoring/investigations to confirm risk of failure	Water companies	Agriculture and rural land management	Environment Agency
GB10704 0019590	Little Stour	Dalapon	Further monitoring/investigations to confirm risk of failure	Water companies	Agriculture and rural land management	Environment Agency
GB10704 0019590	Little Stour	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
GB10704 0019590	Little Stour	Glyphosate	Further monitoring/investigations to confirm risk of failure	Water companies	Urban and transport	Environment Agency
GB10704 0019590	Little Stour	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
GB10704 0019590	Little Stour	MCPA	Further monitoring/investigations to confirm risk of failure	Water companies	Agriculture and rural land management	Environment Agency
GB10704 0019590	Little Stour	Mecoprop	Further monitoring/investigations to confirm risk of failure	Water companies	Agriculture and rural land management	Environment Agency
GB10704 0019590	Little Stour	Trichloroacetic Acid	Further monitoring/investigations to confirm risk of failure	Water companies	Agriculture and rural land management	Environment Agency
GB10704 0019590	Little Stour	Triclopyr	Further monitoring/investigations to confirm risk of failure	Water companies	Agriculture and rural land management	Environment Agency
GB10704 2016840	Test (Lower)	Chlorotoluron	Re-direct existing Catchment Sensitive Farming resource to address issue.	Water companies	Agriculture and rural land management	Natural England

SW DrWPA ID	SW DrWPA name	Parameter	Action	Affected Sector	Contributing Sector	Lead Organisation
GB10704 2016840	Test (Lower)	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.	Water companies	Agriculture and rural land management	Chemicals Regulation Directorate
GB10704 2016840	Test (Lower)	Trichloroacetic Acid	Re-direct existing Catchment Sensitive Farming resource to address issue.	Water companies	Agriculture and rural land management	Natural England
GB10704 0013590	Crowhurst Bridge abstraction (Rother between Witherenden Hill and Etchingham)	Metaldehyde	further monitoring/investigations to confirm risk of failure	Water companies	Agriculture and rural land management	Environment Agency
GB10704 0013590	Western Rother, Eastern Rother and River Stour	Metaldehyde	further monitoring/investigations to confirm risk of failure	Water companies	Agriculture and rural land management	Environment Agency
GB10704 0013640	Western Rother, Eastern Rother and River Stour	Metaldehyde	further monitoring/investigations to confirm risk of failure	Water companies	Agriculture and rural land management	Environment Agency
GB10704 1012560	River Ouse between Isfield and Coast	Metaldehyde	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 <sup>(a)</sup> (guideline pass, imperative pass, fail)
Adur East - Burgess Hill STW - Source	Cyprinid	Guideline fail / Imperative pass
Adur East - Copyhold Stream Conf - Burgess Hill STW	Salmonid	Guideline fail / Imperative fail
Adur East - Shermanbury Place - Wyndham Farm	Cyprinid	Guideline fail / Imperative fail
Adur East - Twineham Green - Copyhold Stream Conf	Salmonid	Guideline fail / Imperative fail
Adur East - Wyndham Farm - Twineham Green	Cyprinid	Guideline fail / Imperative fail
Adur West - Extension to source	Cyprinid	Guideline pass / Imperative pass
Aldingbourne Rife - Barnham Rife Conf - Aldingbourne	Cyprinid	Guideline fail / Imperative pass
Aldingbourne Rife - Coast - Barnham Rife Conf	Cyprinid	Guideline fail / Imperative pass
Aldingbourne Rife - Extension to source	Cyprinid	Guideline fail / Imperative pass
Arun - Extension to source	Salmonid	Guideline fail / Imperative pass
Arun - Horsham - Hammer Pond	Salmonid	Guideline fail / Imperative pass
Arun - Horsham STW - Horsham	Cyprinid	Guideline fail / Imperative pass
Arun - Loxwood Stream Conf - North R Conf	Cyprinid	Guideline fail / Imperative pass
Arun - North R Conf - Horsham STW	Cyprinid	Guideline fail / Imperative pass
ASHBOURNE STREAM - Confluence with of Ashbourne Stream & Nunningham 2-30 to stream 2-100	Salmonid	Guideline fail / Imperative pass
Ashbourne Stream - Extension to source	Salmonid	Guideline fail / Imperative pass
Beaulieu - Extension to source	Cyprinid	Guideline pass / Imperative pass
Beaulieu - Kings Hat Inclosure - Source	Cyprinid	Guideline pass / Imperative pass
BEVERN STREAM - Barcombe New STW to Streat Lane	Cyprinid	Guideline fail / Imperative pass
BEVERN STREAM - Confluence of River Ouse with Bevern Stream to TQ 4130 1680	Cyprinid	Guideline fail / Imperative pass

Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status <sup>(a)</sup> (guideline pass, imperative pass, fail)
Bevern Stream - Extension to source	Cyprinid	Guideline fail / Imperative pass
Blackwater - Cadnam R Conf - Landford	Salmonid	Guideline fail / Imperative pass
Blackwater - Landford - Source	Salmonid	Guideline fail / Imperative pass
Blackwater - Test Conf - Cadnam R Conf	Salmonid	Guideline fail / Imperative pass
BOURNE RIVULET - Confluence with River Test to source	Salmonid	Guideline fail / Imperative pass
Bourne Rivulet - Test Conf - Source	Salmonid	Guideline fail / Imperative pass
Brede - Brede Waterworks - Sedlescombe STW	Salmonid	Guideline fail / Imperative fail
Brede - Line Conf - Battle STW	Salmonid	Guideline fail / Imperative fail
Brede - Rye - Winchelsea	Salmonid	Guideline fail / Imperative pass
Brede - Sedlescombe STW - R. Line Conf	Salmonid	Guideline fail / Imperative fail
CANDOVER BROOK - Confluence with River Itchen to Totford	Salmonid	Guideline fail / Imperative pass
Candover Brook - Extension to source	Salmonid	Guideline fail / Imperative pass
CHICHESTER CANAL - Donnington to Chichester	Cyprinid	Guideline pass / Imperative pass
CHICHESTER CANAL - Donnington to the Tidal Limit	Cyprinid	Guideline fail / Imperative fail
COCKHAISE BROOK - Confluence with River Ouse to 300 yds upstream of Cockhaise Mill Abstraction	Cyprinid	Guideline fail / Imperative pass
COCKHAISE BROOK - Confluence with River Ouse to Holywell Abstraction	Cyprinid	Guideline fail / Imperative pass
Coggins Mill Stream - Extension to source	Salmonid	Guideline fail / Imperative pass
Coggins Mill Stream - Rother Conf - Barretts Farm	Salmonid	Guideline fail / Imperative pass
COSTERS BROOK - Confluence with River Rother (West Sussex) & Costers Brook to Dunford House	Salmonid	Guideline fail / Imperative pass
Costers Brook - Extension to source	Salmonid	Guideline fail / Imperative pass
Cuckmere - Extension to source	Salmonid	Guideline pass / Imperative pass
Dour - Buckland Paper Mill - Chilton	Cyprinid	Guideline pass / Imperative pass
Dour - Extension to source	Cyprinid	Guideline pass / Imperative pass
Dour - Wellington Dock - Ds Buckland Paper Mill A	Cyprinid	Guideline pass / Imperative pass
Dour - Wellington Dock - Ds Buckland Paper Mill B	Cyprinid	Guideline pass / Imperative pass

Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status <sup>(a)</sup> (guideline pass, imperative pass, fail)
Dudwell - Extension to source	Salmonid	Guideline fail / Imperative fail
Dudwell - Rother Conf - Greenwood A	Salmonid	Guideline fail / Imperative fail
Dudwell - Rother Conf - Greenwood B	Salmonid	Guideline fail / Imperative fail
Dun - Butts Green - Source	Salmonid	Guideline fail / Imperative pass
East Stour - Extension to source	Salmonid	Guideline fail / Imperative pass
East Stour - Great Stour Conf - Horton Priory Dyke A	Salmonid	Guideline fail / Imperative pass
East Stour - Great Stour Conf - Horton Priory Dyke B	Cyprinid	Guideline fail / Imperative pass
Eastern Yar - Horringford - Source	Cyprinid	Guideline fail / Imperative pass
ELSTED STREAM - Confluence of River Rother (West Sussex) & Elsted Stream to Nyewood	Cyprinid	Guideline fail / Imperative pass
Elsted Stream - Extension to source	Cyprinid	Guideline fail / Imperative pass
Ems - Emsworth - Westbourne	Salmonid	Guideline fail / Imperative pass
Ems - Extension to source	Salmonid	Guideline fail / Imperative pass
GLYNDE REACH - Confluence of River Ouse with Glynde Reach to Bulldog Corner	Cyprinid	Guideline fail / Imperative pass
Glynde Reach - Extension to source	Cyprinid	Guideline fail / Imperative pass
Great Stour - Bybrook Bridge - Lenham A	Salmonid	Guideline fail / Imperative pass
Great Stour - Bybrook Bridge - Lenham B	Salmonid	Guideline fail / Imperative pass
Great Stour - Bybrook Bridge - Lenham C	Salmonid	Guideline fail / Imperative pass
Great Stour - Wye Bridge - Bybrook Bridge A	Cyprinid	Guideline fail / Imperative pass
Great Stour - Wye Bridge - Bybrook Bridge B	Cyprinid	Guideline fail / Imperative pass
Hamble - Durley Mill - Moors Stream Conf	Salmonid	Guideline fail / Imperative pass
Hamble - Extension to source	Salmonid	Guideline fail / Imperative pass
Hamble - Tidal limit At Botley - Durley Mill	Salmonid	Guideline fail / Imperative pass
HARTING STREAM - Confluence with River Rother (West Sussex) & Harting Stream to Harting Pond	Salmonid	Guideline fail / Imperative pass
Harting Stream - Extension to source	Salmonid	Guideline fail / Imperative pass

Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status <sup>(a)</sup> (guideline pass, imperative pass, fail)
Hermitage Stream - Extension to source	Cyprinid	Guideline pass / Imperative pass
Hermitage Stream - Tidal limit - Source	Cyprinid	Guideline pass / Imperative pass
Hexden Channel - Extension to source	Cyprinid	Guideline fail / Imperative pass
Hexden Channel - Rother Conf - Ockley A	Cyprinid	Guideline fail / Imperative pass
Hexden Channel - Rother Conf - Ockley B	Cyprinid	Guideline fail / Imperative pass
Hexden Channel - Rother Conf - Ockley C	Cyprinid	Guideline fail / Imperative pass
Hexden Channel - Rother Conf - Ockley D	Cyprinid	Guideline fail / Imperative pass
HUGLETTS STREAM - Confluence of Ashbourne Stream & Hugletts Stream to Bodle Street	Cyprinid	Guideline pass / Imperative pass
Hugletts Stream - Extension to source	Cyprinid	Guideline pass / Imperative pass
Hurst Haven - Extension to source	Cyprinid	Guideline fail / Imperative pass
Hurst Haven - Newbridge - Hailsham North STW	Cyprinid	Guideline fail / Imperative pass
Hurst Haven - Rickney - Newbridge P.s.	Cyprinid	Guideline fail / Imperative pass
Itchen - British Rail Outfalls - Eastleigh STW	Salmonid	Guideline fail / Imperative pass
Itchen - Woodmill - D/s British Rail Outfalls	Salmonid	Guideline fail / Imperative pass
Jury's Gut Sewer - Extension to source	Cyprinid	Guideline fail / Imperative fail
Jury's Gut Sewer - Tidal Basin - Jury's Gut Sewer Conf	Cyprinid	Guideline fail / Imperative fail
Kent Ditch - A229 - Coldharbour	Salmonid	Guideline fail / Imperative pass
Kent Ditch - Extension to source	Salmonid	Guideline fail / Imperative pass
Kent Ditch - Rother Conf - A229	Salmonid	Guideline fail / Imperative pass
Kird - Extension to source	Cyprinid	Guideline fail / Imperative pass
Line - Brede Conf - Whatlington	Salmonid	Guideline fail / Imperative fail
Line - Extension to source	Cyprinid	Guideline fail / Imperative pass
Line - Mountfield - Netherfield	Salmonid	Guideline fail / Imperative fail
Line - Netherfield - Source	Cyprinid	Guideline fail / Imperative pass



Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status <sup>(a)</sup> (guideline pass, imperative pass, fail)
Line - Whatlington - Mountfield	Salmonid	Guideline fail / Imperative fail
Little Stour - Extension to source	Salmonid	Guideline fail / Imperative pass
Little Stour - Great Stour Conf - Winham R Conf	Salmonid	Guideline fail / Imperative fail
LITTLE STOUR - Grove to Littlebourne	Cyprinid	Guideline fail / Imperative pass
LITTLE STOUR - Littlebourne to Bridge	Salmonid	Guideline fail / Imperative pass
Lod - Extension to source	Salmonid	Guideline fail / Imperative fail
LONGFORD STREAM - Confluence of River Ouse with Longford Stream to Wivelsfield Green	Cyprinid	Guideline fail / Imperative pass
Longford Stream - Extension to source	Cyprinid	Guideline fail / Imperative pass
LOXWOOD STREAM - Loxwood sewage treatment works to Blacknest Farm	Cyprinid	Guideline fail / Imperative pass
Loxwood Stream Hambledon Tributary - Chiddingfold Stream Conf - Chiddingfold S	Salmonid	Guideline fail / Imperative pass
Loxwood Stream-Hambledon Tributary - Extension to source	Salmonid	Guideline fail / Imperative pass
Loxwood/Chiddingfold - Blacknest Farm - Grayswood STW Tributary	Salmonid	Guideline fail / Imperative pass
Loxwood/chiddingfold Tributary - Extension to source	Salmonid	Guideline fail / Imperative pass
Lymington - Extension to source	Salmonid	Guideline fail / Imperative pass
Medina - Chillerton - Source	Cyprinid	Guideline pass / Imperative pass
Meon - Mouth - Wickham	Salmonid	Guideline fail / Imperative pass
MINSTED STREAM - Confluence of River Rother (West Sussex) & Minsted Stream to Minsted	Cyprinid	Guideline pass / Imperative pass
Minsted Stream - Extension to source	Cyprinid	Guideline pass / Imperative pass
Mole - Source - Gatwick Pond B	Salmonid	Guideline fail / Imperative pass
Newmill Channel - Extension to source	Cyprinid	Guideline fail / Imperative pass
Newmill Channel - Rother Conf - Benenden A	Cyprinid	Guideline fail / Imperative pass
Newmill Channel - Rother Conf - Benenden B	Cyprinid	Guideline fail / Imperative pass
Newmill Channel - Rother Conf - Benenden C	Cyprinid	Guideline fail / Imperative pass
North - Extension to source	Cyprinid	Guideline fail / Imperative pass
NORTH RIVER - Confluence of River Arun to Oakwood Hill	Cyprinid	Guideline fail / Imperative pass

Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status <sup>(a)</sup> (guideline pass, imperative pass, fail)
NUNNINGHAM STREAM - Confluence with Wallers Haven & Nunningham Stream to Pebsham Bridge	Cyprinid	Guideline fail / Imperative pass
Nunningham Stream - Extension to source	Cyprinid	Guideline fail / Imperative pass
Ouse - Goldbridge - Sheffield Park	Salmonid	Guideline fail / Imperative pass
Ouse - Sheffield Park - Scaynes Hill STW	Salmonid	Guideline fail / Imperative pass
Ouse - Uck Conf - Goldbridge	Salmonid	Guideline fail / Imperative pass
Pagham Rife - Extension to source	Cyprinid	Guideline fail / Imperative fail
Pagham Rife - Pagham Harbour - South Mundham	Cyprinid	Guideline fail / Imperative fail
Par Brook - Arun Conf - Billingshurst	Cyprinid	Guideline fail / Imperative pass
Par Brook - Extension to source	Cyprinid	Guideline fail / Imperative pass
PETWORTH BROOK - Confluence with of River Rother (West Sussex) & Petworth Brook to Hampers Green	Salmonid	Guideline fail / Imperative pass
Petworth Brook - Extension to source	Salmonid	Guideline fail / Imperative pass
Pevensey Haven - Mouth - Rickney	Cyprinid	Guideline fail / Imperative pass
Pillhill Brook - Anton Conf - Thruxton	Salmonid	Guideline fail / Imperative pass
R. ADUR WEST - Bay Bridge to confluence of River Adur West with Parsons Brook	Cyprinid	Guideline pass / Imperative pass
R. ADUR WEST - Tidal limit to Bay Bridge	Cyprinid	Guideline pass / Imperative pass
R. ALRE - Confluence with River Itchen to source	Salmonid	Guideline fail / Imperative pass
R. ANTON - Confluence of River Test & River Anton to source	Salmonid	Guideline fail / Imperative pass
R. ARUN - Confluence of River Arun to River Kird to confluence of River Arun with Loxwood	Cyprinid	Guideline fail / Imperative pass
R. ARUN - Tidal limit to confluence of River Arun to River Kird	Cyprinid	Guideline fail / Imperative pass
R. BEAULIEU - Beaulieu to Fulliford Bridge	Salmonid	Guideline fail / Imperative pass
R. BREDE - Brede to Brede Waterworks	Cyprinid	Guideline fail / Imperative pass
R. BREDE - Winchelsea to Brede	Cyprinid	Guideline fail / Imperative pass
R. CUCKMERE - Arlington Intake to confluence of River Cuckmere with Wick Stream	Cyprinid	Guideline pass / Imperative pass
R. CUCKMERE - Confluence of River Cuckmere with Waldron Ghyll to confluence with stream 2-170	Salmonid	Guideline pass / Imperative pass
R. CUCKMERE - Confluence River Cuckmere Bull River to confluence River Cuckmere, Tileries	Cyprinid	Guideline pass / Imperative pass

Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status <sup>(a)</sup> (guideline pass, imperative pass, fail)
R. CUCKMERE - Confluence River Cuckmere, Knockhatch Stream to confluence River Cuckmere, Bull	Cyprinid	Guideline pass / Imperative pass
R. CUCKMERE - Confluence River Cuckmere, Tileries Tributary to confluence with stream 2-170	Cyprinid	Guideline fail / Imperative pass
R. CUCKMERE - Confluence River Cuckmere, Wick Stream to confluence of Cuckmere, Knockhatch	Cyprinid	Guideline pass / Imperative pass
R. CUCKMERE - Milton Lock to Arlington Intake	Cyprinid	Guideline fail / Imperative pass
R. DEVER - Confluence with River Test to source	Salmonid	Guideline fail / Imperative pass
R. DUN - East Dean to confluence of River Test with River Dun	Salmonid	Guideline fail / Imperative pass
R. EASTERN YAR - St. Helens to Herringford	Cyprinid	Guideline fail / Imperative pass
R. GREAT STOUR - Bretts Bridge to Vauxhall Bridge	Cyprinid	Guideline fail / Imperative pass
R. GREAT STOUR - Godmersham to Wye Bridge	Cyprinid	Guideline fail / Imperative pass
R. GREAT STOUR - Horton to Shalmsford Street	Cyprinid	Guideline fail / Imperative pass
R. GREAT STOUR - Shalmsford Street to Godmersham	Cyprinid	Guideline fail / Imperative pass
R. GREAT STOUR - Vauxhall Bridge to Horton	Cyprinid	Guideline fail / Imperative pass
R. ITCHEN - Bishopstoke to source	Salmonid	Guideline fail / Imperative pass
R. KIRD - Confluence of River Arun & River Kird to Wisborough Green	Cyprinid	Guideline fail / Imperative pass
R. KIRD - Kirdford to Staples Hill	Cyprinid	Guideline fail / Imperative pass
R. KIRD - Wisborough Green to Kirdford	Cyprinid	Guideline pass / Imperative pass
R. LOD - Confluence of River Lod with tributary 4-50 to confluence with tributary 4-110	Salmonid	Guideline fail / Imperative fail
R. LOD - Confluence with River Rother & River Lod to confluence of River Lod, 4-50	Salmonid	Guideline fail / Imperative pass
R. LYMINGTON - Ampress to Boldreford Bridge	Salmonid	Guideline fail / Imperative pass
R. MEDINA - Newport to Chillerton	Cyprinid	Guideline pass / Imperative pass
R. MEON - Droxford to Source	Salmonid	Guideline fail / Imperative pass
R. MEON - Funtley to Droxford	Salmonid	Guideline fail / Imperative pass
R. OUSE - Anchor Weir to confluence with River Uck	Cyprinid	Guideline fail / Imperative pass
R. OUSE - Barcombe Mills to Anchor Weir	Cyprinid	Guideline fail / Imperative pass
R. OUSE - Confluence of River Ouse with Shell Brook to Slaugham	Cyprinid	Guideline fail / Imperative pass
R. OUSE - Scaynes Hill sewage treatment works to confluence of River Ouse with Shell Brook	Cyprinid	Guideline fail / Imperative pass
R. ROTHER (EAST SUSSEX) - Blackwall Bridge to Newenden	Cyprinid	Guideline fail / Imperative pass

Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status <sup>(a)</sup> (guideline pass, imperative pass, fail)
R. ROTHER (EAST SUSSEX) - Bodiam to Udiam	Cyprinid	Guideline pass / Imperative pass
R. ROTHER (EAST SUSSEX) - Iden Lock to Blackwall Bridge	Cyprinid	Guideline fail / Imperative pass
R. ROTHER (EAST SUSSEX) - Newenden to Bodiam	Cyprinid	Guideline pass / Imperative pass
R. ROTHER (EAST SUSSEX) - Stonegate to Crowhurst Bridge	Salmonid	Guideline fail / Imperative pass
R. ROTHER (EAST SUSSEX) - Udiam to Robertsbridge	Cyprinid	Guideline fail / Imperative pass
R. ROTHER (WEST SUSSEX) - Confluence of River Arun & River Rother (West Sussex) to tributary of 3-290 1/5	Salmonid	Guideline fail / Imperative pass
R. ROTHER (WEST SUSSEX) - Confluence of River Arun & River Rother (West Sussex) to tributary of 3-290 2/5	Salmonid	Guideline fail / Imperative pass
R. ROTHER (WEST SUSSEX) - Confluence of River Arun & River Rother (West Sussex) to tributary of 3-290 3/5	Salmonid	Guideline fail / Imperative pass
R. ROTHER (WEST SUSSEX) - Confluence of River Arun & River Rother (West Sussex) to tributary of 3-290 4/5	Salmonid	Guideline fail / Imperative pass
R. ROTHER (WEST SUSSEX) - Confluence of River Arun & River Rother (West Sussex) to tributary of 3-290 5/5	Salmonid	Guideline fail / Imperative pass
R. ROTHER (WEST SUSSEX) - Confluence of River Rother (West Sussex) with Tilmore Brook to Liss STW	Cyprinid	Guideline pass / Imperative pass
R. ROTHER (WEST SUSSEX) - Confluence of River Rother (West Sussex) with River Lod to South Ambersham STW	Cyprinid	Guideline fail / Imperative pass
R. ROTHER (WEST SUSSEX) - Confluence River Arun & River Rother to confluence River Rother, Sutton Stream	Cyprinid	Guideline pass / Imperative pass
R. ROTHER (WEST SUSSEX) - Confluence River Rother, Harting Stream to confluence River Rother, Tilmore Brook	Cyprinid	Guideline pass / Imperative pass
R. TEST - Longstock to Wherwell	Salmonid	Guideline fail / Imperative pass
R. TEST - Testwood to Longstock	Salmonid	Guideline fail / Imperative pass
R. TEST - Wherwell to source	Salmonid	Guideline fail / Imperative pass
R. UCK - Confluence of River Ouse & River Uck to Little Horsted	Cyprinid	Guideline pass / Imperative pass
R. UCK - Little Horsted to confluence with Ridgewood Stream	Cyprinid	Guideline fail / Imperative pass
Rother (East Sussex) - D/s Mayfield Meres - Wellbrook	Salmonid	Guideline fail / Imperative pass
Rother (East Sussex) - Extension to source	Salmonid	Guideline fail / Imperative pass
Rother (East Sussex) - Newenden - D/s Mayfield Meres D	Salmonid	Guideline fail / Imperative pass

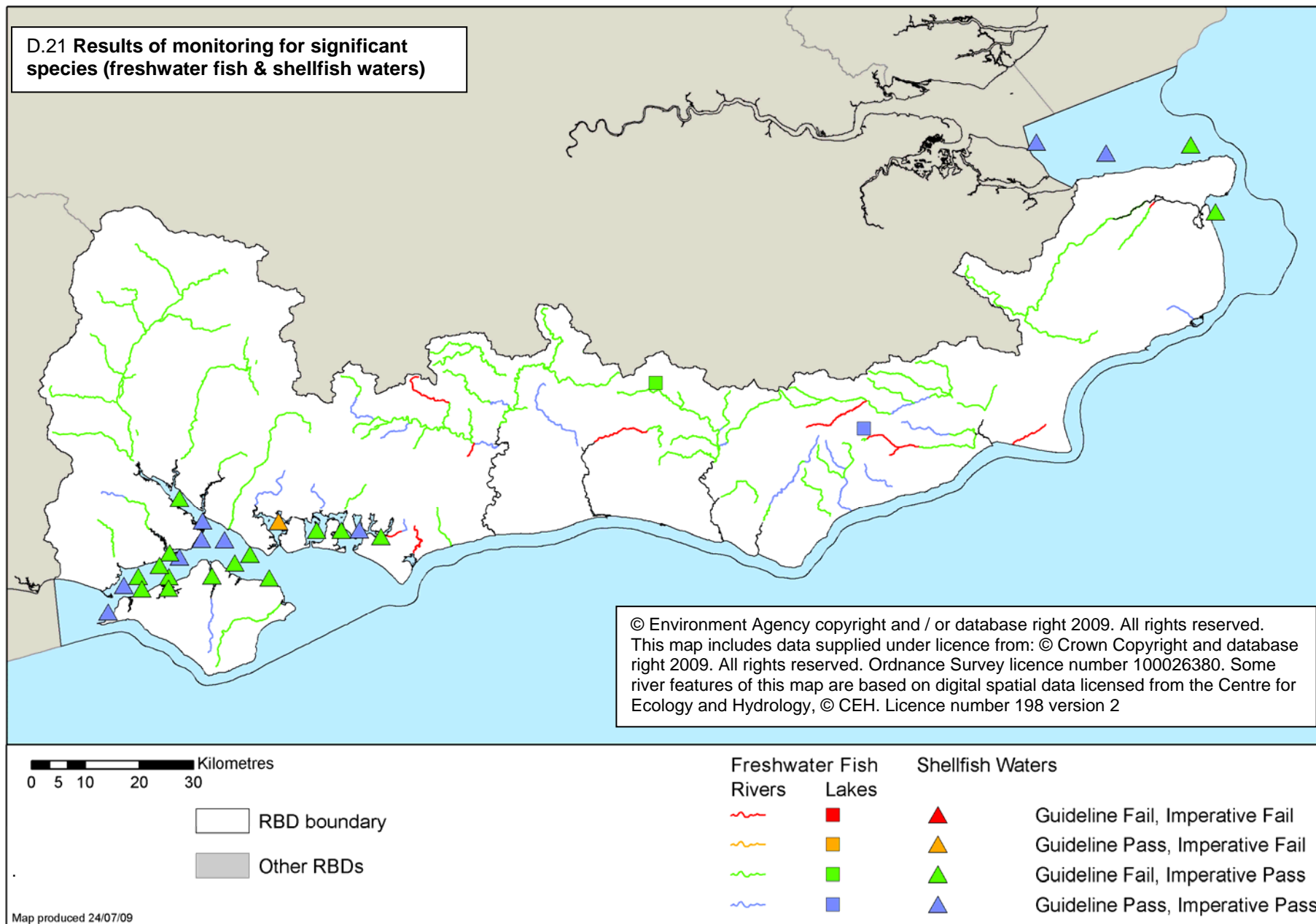
Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status <sup>(a)</sup> (guideline pass, imperative pass, fail)
Rother (East Sussex) - Newenden - D/s Mayfield Meres E	Salmonid	Guideline fail / Imperative pass
Rother (East Sussex) - Newenden - D/s Mayfield Meres G	Salmonid	Guideline fail / Imperative pass
Rother (west Sussex) - Extension to source	Cyprinid	Guideline fail / Imperative pass
ROYAL MILITARY CANAL - Iden Lock to Reading Sewer	Cyprinid	Guideline fail / Imperative pass
SHORTBRIDGE STREAM - Confluence of River Ouse with Shortbridge Stream to Shortbridge	Cyprinid	Guideline fail / Imperative pass
Shortbridge Stream - Ouse Conf - Duddleswell	Salmonid	Guideline fail / Imperative pass
Sombourne Stream - Test Conf - Source	Salmonid	Guideline fail / Imperative pass
Stillwater - Ardingly Reservoir	Cyprinid	Guideline fail / Imperative pass
Stillwater - Darwell Reservoir	Cyprinid	Guideline pass / Imperative pass
SUTTON STREAM - Confluence of River Rother (West Sussex) to Broad Halfpenny	Salmonid	Guideline fail / Imperative fail
Sutton Stream - Extension to source	Salmonid	Guideline fail / Imperative fail
Test - D/s Testwood - Nursling Mill	Salmonid	Guideline fail / Imperative pass
TIDAL R. STOUR - Grove Ferry to Bretts Bridge	Cyprinid	Guideline fail / Imperative pass
Tillingham - 100 House Lane - Location TQ8070 2100	Cyprinid	Guideline pass / Imperative pass
Tillingham - Brede Conf - Stream 4-10 Conf	Salmonid	Guideline fail / Imperative pass
Tillingham - Extension to source	Cyprinid	Guideline pass / Imperative pass
Tillingham - Location TQ8070 2100 - Staplecross St	Cyprinid	Guideline pass / Imperative pass
Tillingham - Stream 4-10 Conf - 100 House Lane	Cyprinid	Guideline pass / Imperative pass
Uck - Buxted STW - Stone Mill	Salmonid	Guideline fail / Imperative pass
Uck - Extension to source	Salmonid	Guideline fail / Imperative pass
Uck - Ridgewood Stream Conf - Tickerage Stream Con	Salmonid	Guideline fail / Imperative pass
Uck - Tickerage Stream Conf - Buxted STW	Salmonid	Guideline fail / Imperative pass
WALLERS HAVEN - Confluence of Wallers Haven with Stream 2-20 to confluence with Nunningham Stream	Cyprinid	Guideline pass / Imperative pass
WALLERS HAVEN - Mouth of Wallers Haven to confluence of Wallers Haven with Stream 2-20	Cyprinid	Guideline pass / Imperative pass
Wallington - Boarhunt Mill - Source	Cyprinid	Guideline pass / Imperative pass

Freshwater fish water name (watercourse & stretch name)	Designation (cyprinid or salmonid)	Compliance status <sup>(a)</sup> (guideline pass, imperative pass, fail)
Wallington - Tidal limit - Boarhunt Mill	Cyprinid	Guideline pass / Imperative pass
WALLOP BROOK - Confluence of River Test & Wallop Brook to Broughton	Salmonid	Guideline fail / Imperative pass
Wallop Brook - Test Conf - Source	Salmonid	Guideline fail / Imperative pass
Watermill Stream - Extension to source	Cyprinid	Guideline pass / Imperative pass
WATERMILL STREAM - Watermill Stream & Powdermill Stream confluence to Catsfield	Cyprinid	Guideline pass / Imperative pass

<sup>(a)</sup> using 2008 data



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



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## 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 <sup>(b)</sup> (guideline pass, imperative pass, fail)
Approaches to Southampton Water	Guideline pass /Imperative pass
Beaulieu River	Guideline fail /Imperative pass
Calshot/Stanswood Bay	Guideline pass /Imperative pass
Central Solent	Guideline pass /Imperative pass
Chichester Harbour (Chichester Channel)	Guideline fail /Imperative pass
Chichester Harbour (Emsworth Channel)	Guideline fail /Imperative pass
Chichester Harbour (Thornham Channel)	Guideline pass /Imperative pass
Cowes	Guideline fail /Imperative pass
Langstone Harbour	Guideline fail /Imperative pass
Lepe Middle Bank	Guideline pass /Imperative pass
Lymington	Guideline fail /Imperative pass
Margate	Guideline fail /Imperative pass
Medina	Guideline fail /Imperative pass
Newtown Bank	Guideline fail /Imperative pass
Newtown Harbour	Guideline fail /Imperative pass
Pennington	Guideline pass /Imperative pass
Portsmouth Harbour	Guideline pass /Imperative fail
Ryde	Guideline fail /Imperative pass
Sheppey	Guideline pass /Imperative pass
Southampton Water	Guideline fail /Imperative pass
Sowley	Guideline fail /Imperative pass
Spithead and Stokes Bay	Guideline fail /Imperative pass
Stour Estuary (Kent)	Guideline fail /Imperative pass
Totland	Guideline pass /Imperative pass
Whitstable	Guideline pass /Imperative pass
Yarmouth	Guideline fail /Imperative pass

<sup>(b)</sup> 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)**

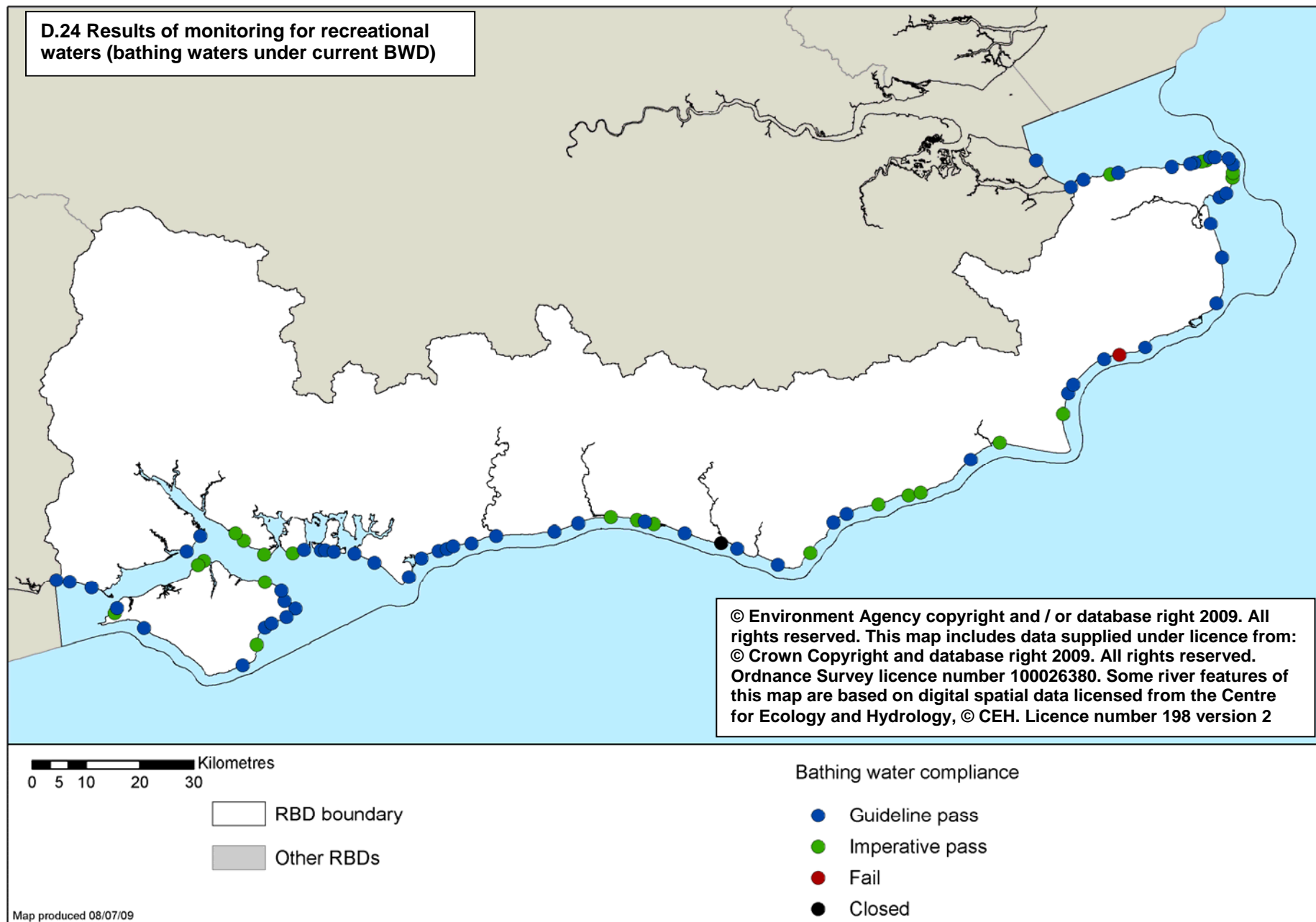
Bathing water name	Compliance status under current BWD <sup>(c)</sup> (guideline pass, imperative pass, fail)	Predicted compliance assessment under revised BWD <sup>(d)</sup> (excellent, good, sufficient, poor)
Bembridge	Guideline pass	Sufficient
Bexhill	Imperative pass	Poor
Birling Gap	Guideline pass	Excellent
Bognor Regis	Guideline pass	Sufficient
Bognor Regis East	Guideline pass	Good
Botany Bay	Guideline pass	Excellent
Bracklesham Bay	Guideline pass	Excellent
Brighton Central	Guideline pass	Not classified
Brighton Kemptown	Imperative pass	Good
Broadstairs	Imperative pass	Sufficient
Calshot	Guideline pass	Excellent
Camber	Imperative pass	Good
Christchurch Bay	Guideline pass	Excellent
Colwell Bay	Guideline pass	Excellent
Compton Bay	Guideline pass	Excellent
Cowes	Imperative pass	Good
Deal Castle	Guideline pass	Good
Dymchurch	Guideline pass	Excellent
Eastbourne	Imperative pass	Good
Eastney	Guideline pass	Excellent
Felpham	Guideline pass	Good
Folkestone	Guideline pass	Good
Gurnard	Imperative pass	Excellent
Hastings	Imperative pass	Poor
Herne Bay	Guideline pass	Good
Herne Bay Central	Imperative pass	Sufficient
Highcliffe	Guideline pass	Excellent
Hillhead	Imperative pass	Excellent
Hove	Imperative pass	Good
Hythe	Guideline pass	Excellent
Joss Bay	Guideline pass	Good
Lee-on-Solent	Imperative pass	Excellent
Lepe	Guideline pass	Excellent
Leysdown	Guideline pass	Good
Littlehampton	Guideline pass	Excellent
Littlestone	Imperative pass	Sufficient
Margate Fulsam Rock	Guideline pass	Excellent
Margate The Bay	Imperative pass	Good
Middleton-on-sea	Guideline pass	Excellent
Milford-on-sea	Guideline pass	Excellent
Minnis Bay	Guideline pass	Excellent
Newhaven	Closed	Not Classified

Bathing water name	Compliance status under current BWD <sup>(c)</sup> (guideline pass, imperative pass, fail)	Predicted compliance assessment under revised BWD <sup>(d)</sup> (excellent, good, sufficient, poor)
Norman`s Bay	Guideline pass	Poor
Pagham	Guideline pass	Excellent
Pevensey Bay	Guideline pass	Sufficient
Ramsgate	Guideline pass	Excellent
Ramsgate Main Sands	Guideline pass	Good
Ryde	Imperative pass	Sufficient
Saltdean	Guideline pass	Excellent
Sandgate	Fail	Good
Sandown	Guideline pass	Excellent
Sandwich Bay	Guideline pass	Excellent
Seaford	Guideline pass	Good
Seagrove	Guideline pass	Sufficient
Selsey	Guideline pass	Excellent
Shanklin	Imperative pass	Excellent
South Lancing	Guideline pass	Sufficient
Southsea	Imperative pass	Sufficient
Southwick	Imperative pass	Excellent
St Helens	Guideline pass	Excellent
St Leonards	Imperative pass	Sufficient
St Margaret`s Bay	Guideline pass	Excellent
St Mary`s Bay	Guideline pass	Excellent
St Mildred`s Bay	Guideline pass	Excellent
Stokes Bay	Imperative pass	Excellent
Stone Bay	Imperative pass	Good
Tankerton	Guideline pass	Not classified
Totland Bay	Imperative pass	Excellent
Ventnor	Guideline pass	Excellent
Walpole Bay	Guideline pass	Good
West Beach	Guideline pass	Good
West Beachlands	Guideline pass	Excellent
West Hayling	Guideline pass	Excellent
West of Eastoke	Guideline pass	Excellent
West Wittering	Guideline pass	Excellent
Westbrook Bay	Imperative pass	Good
Westgate Bay	Guideline pass	Excellent
Whitecliffe Bay	Guideline pass	Excellent
Winchelsea	Guideline pass	Excellent
Worthing	Guideline pass	Sufficient
Yaverland	Guideline pass	Not classified

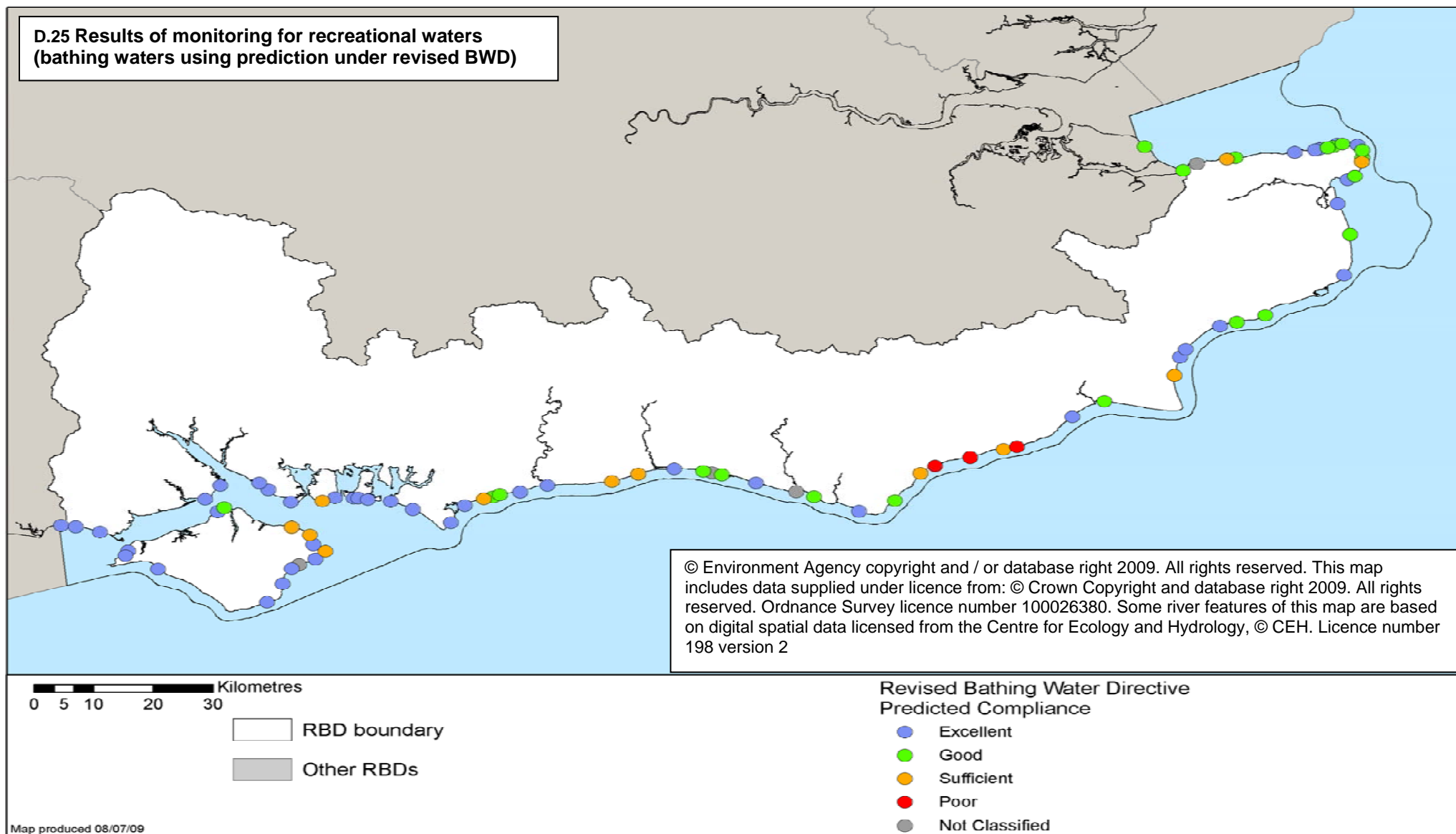
<sup>(c)</sup> using 2008 data

<sup>(d)</sup> using 2004-2008 data

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



**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<sup>5</sup> 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 South East 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<sup>5</sup> 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.

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<sup>5</sup> 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 <sup>(e)</sup>	Relevant discharge name	UWWTD Compliance Status of discharge <sup>(f)</sup> (pass, fail, n/a <sup>(g)</sup> )
River Test	1994	2001	ANDOVER STW	Pass
River Great Stour	1994	1998	ASHFORD STW	Pass
Hamble Estuary	2007	2014	BISHOPS WALTHAM NEW STW	n/a
River Hamble	2007	2014	BISHOPS WALTHAM NEW STW	n/a
River Great Stour	2007	2014	CANTERBURY STW	n/a
Chichester Harbour	1998	2005	CHICHESTER STW	Pass
Little Stour	2007	2014	DAMBRIDGE STW	n/a
River Itchen (Hampshire)	2002	2009	EASTLEIGH STW	n/a
Chichester Harbour	1998	2005	EASTNEY STW	Pass
Langstone Harbour	1998	2005	EASTNEY STW	Pass
Portsmouth Harbour	2002	2009	EASTNEY STW	n/a
Darwell Reservoir	2007	2014	EDEN VALE STW	n/a
Medina Estuary	2007	2014	FAIRLEE STW	n/a
Pevensey Levels	1998	2005	HAILSHAM NORTH STW	Pass
Pevensey Levels	1998	2005	HAILSHAM SOUTH STW	Pass
River Itchen (Hampshire)	2002	2009	HARESTOCK STW	n/a
River Great Stour	2007	2014	HERNE BAY (MAY STREET) STW	n/a
River Arun	2002	2009	HORSHAM STW	n/a
Lydney Rife	2002	2009	LIDSEY STW	n/a
Darwell Reservoir	2007	2014	LINGFIELD STW	n/a
Hamble Estuary	2007	2014	MILLBROOK STW	n/a
Darwell Reservoir	2007	2014	OXTED STW	n/a
Darwell Reservoir	2007	2014	PADDOCK WOOD STW	n/a
Langstone Harbour	1998	2005	PEEL COMMON STW	Pass
Medina Estuary	2007	2014	PEEL COMMON STW	n/a
Portsmouth Harbour	2002	2009	PEELCOMMON STW	n/a
Newtown Harbour	2007	2014	PENNINGTON STW	n/a
River Rother West	2007	2014	PETERSFIELD STW	n/a

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Sensitive Area name	Year of designation	Year UWWTD emissions standards come into force <sup>(e)</sup>	Relevant discharge name	UWWTD Compliance Status of discharge <sup>(f)</sup> (pass, fail, n/a <sup>(g)</sup> )
Darwell Reservoir	2007	2014	REDGATE MILL STW	n/a
Pagham Harbour	2002	2009	SIDLESHAM STW	n/a
Hamble Estuary	2007	2014	SLOWHILL COPSE STW	n/a
River Rother West	2007	2014	SOUTH AMBERSHAM STW	n/a
Black Sewer	2002	2009	STEYNING STW	n/a
Chichester Harbour	1998	2005	THORNHAM STW	Pass
Darwell Reservoir	2007	2014	TONBRIDGE STW	n/a
Darwell Reservoir	2007	2014	TUNBRIDGE WELLS NORTH STW	n/a
Darwell Reservoir	2007	2014	TUNBRIDGE WELLS SOUTH STW	n/a
Waldron Ghyll and River Cuckmere	2007	2014	VINES CROSS STW	n/a
Hamble Estuary	2007	2014	WOOLSTON STW	n/a

<sup>(e)</sup> requirement to meet the Directive's emission standards is at the latest seven years after designation of the Sensitive Area

<sup>(f)</sup> using 2008 data

<sup>(g)</sup> not applicable (n/a) if within seven years of designation of the Sensitive Area

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

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0 5 10 20 30 Kilometres

□ RBD boundary  
 ■ Other RBDs

Urban Waste Water Treatment Directive  
 Sensitive Area Qualifying Sewage  
 Treatment Works Compliance

● Pass  
 ● Fail  
 ● No assessment needed yet

Map produced 03/08/09

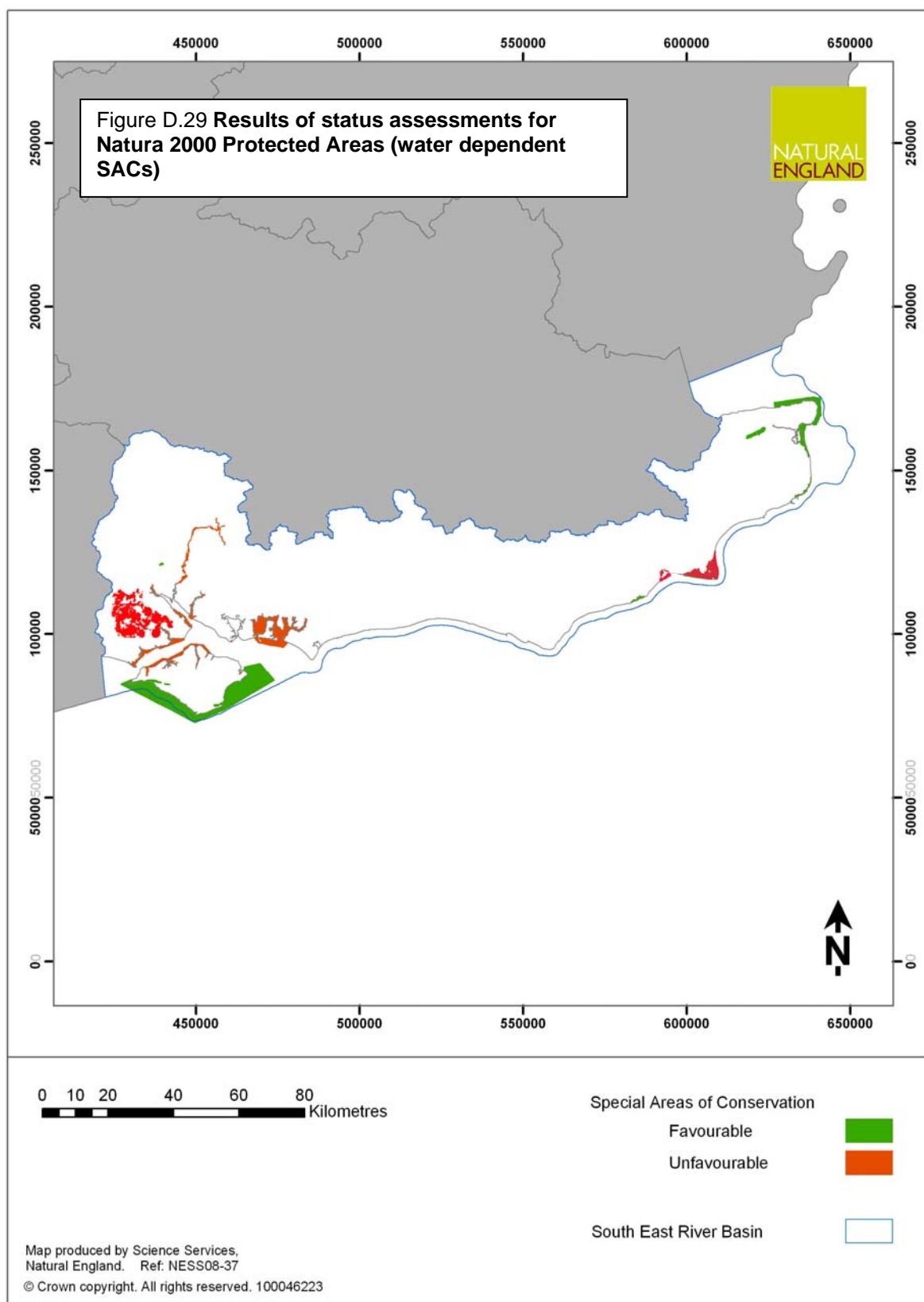
### **Natura 2000 Protected Areas (water dependent SACs & SPAs)**

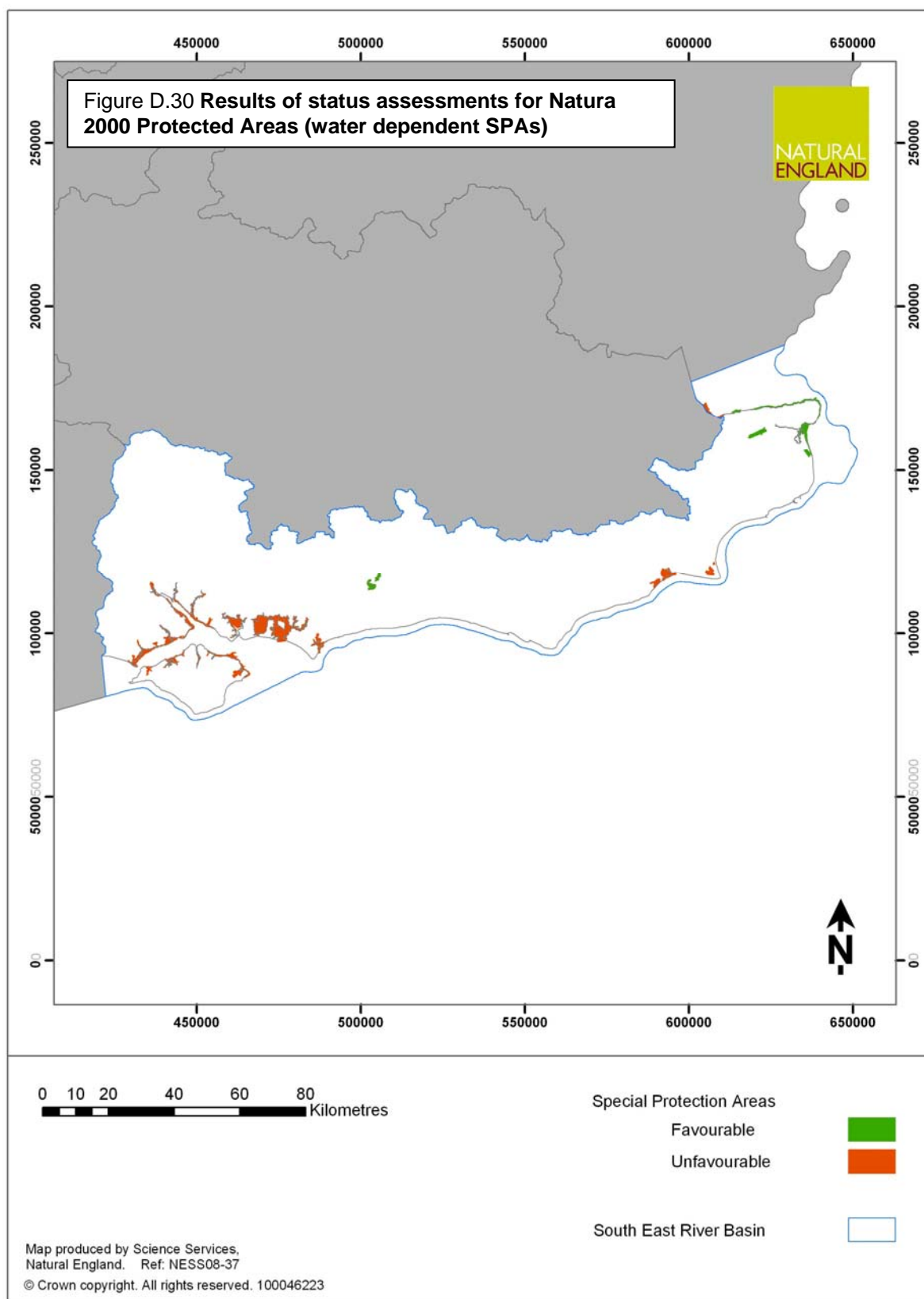
Compliance against conservation objectives has been assessed by Natural England. The results are shown in Figure D.28.

**Figure D.28 Results of status assessments for Natura 2000 Protected Areas (water dependent SACs and SPAs) in South East 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	8	13	13
SPA	3	8	8
Total	11	21	21

The results are also presented as maps in Figures D.29 and D.30 on the next 2 pages.





## **Actions (measures) for Natura 2000 Protected Areas (water dependent SACs and 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](http://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.

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

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

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

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

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

### Waterbody ID:

GB110064048710; GB110064048720; GB110064048730; GB110064048740; GB110064048750; GB110064054630

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	- 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

### 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.

Shows the overall objective for the Protected Area.

The list of water bodies found in the Protected Area.

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

The organisation responsible for the implementation of the measure.

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 South East River Basin District (Arun Valley SPA)

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

### **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):**

Bewicks swan; Waterfowl assemblage; Wintering bird assemblage

### **Waterbody ID:**

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

## N2K Protected Area in South East River Basin District (Chichester and Langstone Harbours SPA)

<b>Protected Area name</b> <b>Chichester and Langstone Harbours SPA</b>	<b>Protected Area designation</b> Habitats Directive (Council Directive 92/43/EEC): <a href="http://www.jncc.gov.uk/page-1374">http://www.jncc.gov.uk/page-1374</a>	<b>Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?</b>	<b>No</b>
	Detailed site information: <a href="http://www.natureonthemap.org.uk/">http://www.natureonthemap.org.uk/</a>	<b>If not, date for achieving environmental objectives</b>	<b>2015</b>
	<a href="http://www.solentforum.org/">http://www.solentforum.org/</a>	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):

Bar-tailed godwit; Common tern; Curlew; Dark-bellied brent goose; Dunlin; Grey plover; Little tern; Pintail; Red-breasted merganser; Redshank; Ringed plover; Sanderling; Sandwich tern; Shelduck; Shoveler; Teal; Turnstone; Waterfowl assemblage; Wigeon

### Waterbody ID:

GB107041012320; GB107041012340; GB107041012350; GB107041012370; GB520704114000; GB610070073000; GB610070074000; GB650705150000; GB650705530000; GB680705130000; GB680705210000

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 ditch management	Agri-environment scheme	Natural England	2012
Hydrology	- Water abstraction	Abstraction licence - revoke or amend	Environment Agency, water companies	2012
Morphology	- Coastal squeeze	Flood risk management	Environment Agency	2012
Morphology	- Inappropriate coastal management	Flood risk management	Environment Agency	2012
Morphology	- Inappropriate coastal management	Implementation of appropriate coastal management	Local authority	2012
Water quality	- Water pollution - agriculture / run off	Implement South Downs and Harbours Diffuse Pollution Partnership Project Plan	Environment Agency, Natural England, water company	2012
Water quality	- Water pollution - discharge	Discharge/PPC consent	Environment Agency, water companies, industry	2012

## N2K Protected Area in South East River Basin District (Dover to Kingsdown Cliffs SAC)

<b>Protected Area name</b> <b>Dover to Kingsdown Cliffs SAC</b>	<b>Protected Area designation</b> Habitats Directive (Council Directive 92/43/EEC): <a href="http://www.jncc.gov.uk/page-1374">http://www.jncc.gov.uk/page-1374</a> Detailed site information: <a href="http://www.natureonthemap.org.uk/">http://www.natureonthemap.org.uk/</a>	<b>Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?</b> Yes  <b>If not, date for achieving environmental objectives</b>  If extended, justification provided at end of this table
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### 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):

Vegetated sea cliffs (H1230)

### Waterbody ID:

GB640704540001

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 South East River Basin District (Dungeness SAC)

<b>Protected Area name</b> <b>Dungeness SAC</b>	<b>Protected Area designation</b> Habitats Directive (Council Directive 92/43/EEC): <a href="http://www.jncc.gov.uk/page-1374">http://www.jncc.gov.uk/page-1374</a>	<b>Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?</b>	<b>No</b>
	Detailed site information: <a href="http://www.natureonthemap.org.uk/">http://www.natureonthemap.org.uk/</a>	<b>If not, date for achieving environmental objectives</b>	<b>2015</b>
	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):**

Annual vegetation of drift lines (H1210); Coastal shingle vegetation outside the reach of waves (H1220); Great crested newt (S1166)

### **Waterbody ID:**

GB107040013450; GB30744935; GB30745015; GB30745035; GB30745060; GB30745061; GB30745064; GB540704016100; GB610070072000; GB640704540001; GB640704540002

<b>Reason for feature/s either not meeting objective or being at risk of deterioration</b>		<b>Measures proposed to maintain at, or improve to, Favourable Conservation Status</b>		<b>Measure to be made operational no later than</b>
<i>Attribute</i>	<i>- Reason</i>	<i>Measure</i>	<i>Organisation responsible</i>	
Hydrology	- Inappropriate water levels	Abstraction licence - revoke or amend	Environment Agency	2012
Morphology	- Inappropriate coastal management	Beach management plan	Environment Agency	2012

## N2K Protected Area in South East River Basin District (Dungeness to Pett Level SPA)

<b>Protected Area name</b> <b>Dungeness to Pett Level SPA</b>	<b>Protected Area designation</b> Habitats Directive (Council Directive 92/43/EEC): <a href="http://www.jncc.gov.uk/page-1374">http://www.jncc.gov.uk/page-1374</a> Detailed site information: <a href="http://www.natureonthemap.org.uk/">http://www.natureonthemap.org.uk/</a>	<b>Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?</b> <b>No</b> <b>If not, date for achieving environmental objectives</b> <b>2015</b> If extended, justification provided at end of this table
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### 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):

Bewicks swan; Common tern; Little tern; Mediterranean gull; Shoveler

### Waterbody ID:

GB107040013450; GB30744935; GB30745015; GB30745035; GB30745060; GB30745061; GB610070072000; GB640704540002

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	
Drainage	- Inappropriate ditch management	Water level management plan	Environment Agency	2012
Morphology	- Inappropriate coastal management	Direct management	Environment Agency	2012
Water quality	- Water pollution - discharge	Discharge/PPC consent	Environment Agency, water companies	2012



## N2K Protected Area in South East River Basin District (Emer Bog SAC)

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

Very wet mires often identified by an unstable 'quaking' surface (H7140)

### **Waterbody ID:**

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

## N2K Protected Area in South East River Basin District (Hastings Cliffs SAC)

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

Vegetated sea cliffs (H1230)

### **Waterbody ID:**

GB640704540002

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

## N2K Protected Area in South East River Basin District (Isle of Wight Downs SAC)

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

Vegetated sea cliffs (H1230)

### **Waterbody ID:**

GB620705550000

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

## N2K Protected Area in South East River Basin District (Pagham Harbour SPA)

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

Common tern; Dark-bellied brent goose; Little tern; Ruff

### Waterbody ID:

GB107041006580; GB107041006610; GB107041012880; GB560704117300; GB640704540003; GB670704700000

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	- Drainage	Direct management	Environment Agency	2012

## N2K Protected Area in South East River Basin District (Portsmouth Harbour SPA)

<b>Protected Area name</b> <b>Portsmouth Harbour SPA</b>	<b>Protected Area designation</b> Habitats Directive (Council Directive 92/43/EEC): <a href="http://www.jncc.gov.uk/page-1374">http://www.jncc.gov.uk/page-1374</a>	<b>Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?</b>	<b>No</b>
	Detailed site information: <a href="http://www.natureonthemap.org.uk/">http://www.natureonthemap.org.uk/</a>	<b>If not, date for achieving environmental objectives</b>	<b>2015</b>
	<a href="http://www.solentforum.org/">http://www.solentforum.org/</a>	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):

Black-tailed godwit; Dark-bellied brent goose; Dunlin; Red-breasted merganser

### Waterbody ID:

GB107042011380; GB520704202200; GB680705140000

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
Morphology	- Coastal squeeze	Management plan	Ministry of Defence	2012
Water quality	- Water pollution - agriculture / run off	Implement South Downs and Harbours Diffuse Pollution Partnership Project Plan	Environment Agency, Natural England, water company	2012
Water quality	- Water pollution - discharge	Discharge/PPC consent	Environment Agency, water companies	2012

## N2K Protected Area in South East River Basin District (River Itchen SAC)

<b>Protected Area name</b> <b>River Itchen SAC</b>	<b>Protected Area designation</b> Habitats Directive (Council Directive 92/43/EEC): <a href="http://www.jncc.gov.uk/page-1374">http://www.jncc.gov.uk/page-1374</a>	<b>Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?</b>	<b>No</b>
	Detailed site information: <a href="http://www.natureonthemap.org.uk/">http://www.natureonthemap.org.uk/</a>	<b>If not, date for achieving environmental objectives</b>	<b>2015</b>
	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):

Atlantic salmon (S1106); Brook lamprey (S1096); Bullhead (S1163); Otter (S1355); Rivers with floating vegetation often dominated by water-crowfoot (H3260); Southern damselfly (S1044); White clawed crayfish (S1092)

### Waterbody ID:

GB107042016300; GB107042016330; GB107042016630; GB107042016670; GB107042016680; GB107042022580; GB107042022620; GB107042022730; GB520704202800

<b>Reason for feature/s either not meeting objective or being at risk of deterioration</b>		<b>Measures proposed to maintain at, or improve to, Favourable Conservation Status</b>		<b>Measure to be made operational no later than</b>
<i>Attribute</i>	<i>- Reason</i>	<i>Measure</i>	<i>Organisation responsible</i>	
Hydrology	- Inappropriate water levels	Water level management plan	Environment Agency	2012
Hydrology	- Water abstraction	Abstraction licence - revoke or amend	Environment Agency	2012
Hydrology	- Water abstraction	Implement AMP scheme	Southern Water Services Limited	2012
Hydrology	- Water abstraction	Implement AMP scheme	Portsmouth Water	2012
Invasive species	- Inappropriate weed control	Invasive species control programme for protected areas	Natural England	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
Morphology	- 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
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

## N2K Protected Area in South East River Basin District (River Itchen SAC)

<i>Reason for feature/s either not meeting objective or being at risk of deterioration</i>		<i>Measures proposed to maintain at, or improve to, Favourable Conservation Status</i>		<i>Measure to be made operational no later than</i>
<i>Attribute</i>	<i>- Reason</i>	<i>Measure</i>	<i>Organisation responsible</i>	
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
Water quality	- Water pollution - discharge	Discharge consent - revoke or amend	Environment Agency	2012
Water quality	- Water pollution - discharge	Implement AMP scheme	Southern Water Services Limited	2012
Water quality	- Water pollution - discharge	Implement AMP scheme	Portsmouth Water	2012



## N2K Protected Area in South East River Basin District (Sandwich Bay SAC)

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

Dune grassland (H2130); Dunes with creeping willow (H2170); Humid dune slacks (H2190); Shifting dunes (H2110); Shifting dunes with marram grass (H2120)

### Waterbody ID:

GB107040019550; GB520704004700; GB640704540001; GB650704510000

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 South East River Basin District (Solent & Southampton Water SPA)

<b>Protected Area name</b> <b>Solent &amp; Southampton Water SPA</b>	<b>Protected Area designation</b> Habitats Directive (Council Directive 92/43/EEC): <a href="http://www.jncc.gov.uk/page-1374">http://www.jncc.gov.uk/page-1374</a>	<b>Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?</b>	<b>No</b>
	Detailed site information: <a href="http://www.natureonthemap.org.uk/">http://www.natureonthemap.org.uk/</a>	<b>If not, date for achieving environmental objectives</b>	<b>2015</b>
	<a href="http://www.solentforum.org/">http://www.solentforum.org/</a>	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):

Black-tailed godwit; Common tern; Dark-bellied brent goose; Little tern; Mediterranean gull; Ringed plover; Roseate tern; Sandwich tern; Teal; Waterfowl assemblage

### Waterbody ID:

GB107042011150; GB107042011160; GB107042011170; GB107042011180; GB107042011190; GB107042011200; GB107042011210; GB107042011220; GB107042011240; GB107042011250; GB107042011280; GB107042011290; GB107042011300; GB107042011330; GB107042011340; GB107042011350; GB107042011400; GB107042011920; GB107042016220; GB107042016500; GB107042016510; GB107042016530; GB107042016550; GB107042016560; GB107042016610; GB107042016640; GB107042016800; GB107042016840; GB107101005970; GB107101005980; GB107101006000; GB107101006010; GB107101006030; GB107101006040; GB107101006050; GB107101006060; GB107101006080; GB107101006090; GB107101006110; GB107101006140; GB107101006170; GB107101006180; GB107101006190; GB30745606; GB30745790; GB520704201400; GB520704202100; GB520704202800; GB520710101600; GB520710101700; GB520710101800; GB520710101900; GB520710102000; GB560704217200; GB560710116900; GB560710117000; GB610070075000; GB620705550000; GB650705150000; GB650705530000

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	Water level management plan	Environment Agency	2012
Morphology	- Coastal squeeze	Flood risk management	Environment Agency	2012
Morphology	- Inappropriate coastal management	Flood risk management	Environment Agency	2012
Morphology	- Inappropriate coastal management	Implementation of appropriate coastal management	Local authority	2012
Morphology	- Inappropriate dredging	Modification of dredging / harbour management	Harbour authority	2012
Water quality	- Water pollution - agriculture / run off	Implement South Downs and Harbours Diffuse Pollution Partnership Project Plan	Environment Agency, Natural England, water company	2012
Water quality	- Water pollution - discharge	Discharge/PPC consent	Environment Agency, water companies	2012

## N2K Protected Area in South East River Basin District (Solent and Isle of Wight Lagoons SAC)

<b>Protected Area name</b> <b>Solent and Isle of Wight Lagoons SAC</b>	<b>Protected Area designation</b> Habitats Directive (Council Directive 92/43/EEC): <a href="http://www.jncc.gov.uk/page-1374">http://www.jncc.gov.uk/page-1374</a> Detailed site information: <a href="http://www.natureonthemap.org.uk/">http://www.natureonthemap.org.uk/</a>	<b>Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?</b> <b>No</b> <b>If not, date for achieving environmental objectives</b> <b>2015</b> If extended, justification provided at end of this table
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### 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):

Coastal Lagoons (H1150)

### Waterbody ID:

GB107101006010; GB520704202100; GB560710117000; GB650705150000; GB680705130000

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	- 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, Natural England, Defra	2012
Water quality	- Water pollution - discharge	Discharge/PPC consent	Environment Agency, consent holder	2012

## N2K Protected Area in South East River Basin District (Solent Maritime SAC)

<b>Protected Area name</b> <b>Solent Maritime SAC</b>	<b>Protected Area designation</b> Habitats Directive (Council Directive 92/43/EEC): <a href="http://www.jncc.gov.uk/page-1374">http://www.jncc.gov.uk/page-1374</a>	<b>Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?</b>	<b>No</b>
	Detailed site information: <a href="http://www.natureonthemap.org.uk/">http://www.natureonthemap.org.uk/</a>	<b>If not, date for achieving environmental objectives</b>	<b>2015</b>
	<a href="http://www.solentforum.org/">http://www.solentforum.org/</a>	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):

Annual vegetation of drift lines (H1210); Atlantic salt meadows (H1330); Coastal shingle vegetation outside the reach of waves (H1220); Cord-grass sward (H1320); Estuaries (H1130); Glasswort and other annuals colonising mud and sand (H1310); Intertidal mudflats and sandflats (H1140); Lagoons (H1150); Subtidal sandbanks (H1110)

### Waterbody ID:

GB107041012320; GB107041012340; GB107041012350; GB107041012370; GB107042011150; GB107042011160; GB107042011170; GB107042011180; GB107042011190; GB107042011200; GB107042011210; GB107042011250; GB107042011280; GB107042011330; GB107042011340; GB107042011350; GB107042011400; GB107042011920; GB107042016500; GB107042016560; GB107042016610; GB107101005980; GB107101006000; GB107101006030; GB107101006040; GB107101006050; GB107101006060; GB107101006080; GB107101006110; GB107101006170; GB107101006180; GB107101006190; GB520704114000; GB520704201400; GB520704202100; GB520704202800; GB520710101600; GB520710101700; GB520710101800; GB610070073000; GB610070075000; GB620705550000; GB650705150000; GB650705530000; GB680705130000; GB680705210000

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
Morphology	- Inappropriate coastal management	Flood risk management	Environment Agency	2012
Morphology	- Inappropriate coastal management	Implementation of appropriate coastal management	Local authority	2012
Morphology	- Inappropriate dredging	Modification of dredging / harbour management	Harbour authority	2012
Non-native species	- Unknown	Investigation	Natural England	2012
Water quality	- Water pollution - agriculture / run off	Implement South Downs and Harbours Diffuse Pollution Partnership Project Plan		2012
Water quality	- Water pollution - discharge	Discharge/PPC consent	Environment Agency	2012

## N2K Protected Area in South East River Basin District (South Wight Maritime SAC)

<b>Protected Area name</b> <b>South Wight Maritime SAC</b>	<b>Protected Area designation</b> Habitats Directive (Council Directive 92/43/EEC): <a href="http://www.jncc.gov.uk/page-1374">http://www.jncc.gov.uk/page-1374</a> Detailed site information: <a href="http://www.natureonthemap.org.uk/">http://www.natureonthemap.org.uk/</a>  <a href="http://www.coastalwight.gov.uk/swmems/introduction.htm">http://www.coastalwight.gov.uk/swmems/introduction.htm</a>	<b>Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?</b> <b>Yes</b>  <b>If not, date for achieving environmental objectives</b>  If extended, justification provided at end of this table
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### 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):

Dry heaths (H4030); Reefs (H1170); Vegetated sea cliffs (H1230)

### Waterbody ID:

GB107101005900; GB107101005920; GB107101005930; GB107101005940; GB107101005950; GB620705550000; GB650705150000; GB650705530000

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

## N2K Protected Area in South East River Basin District (Stodmarsh SAC)

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

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 South East River Basin District (Stodmarsh SPA)

<b>Protected Area name</b> <b>Stodmarsh SPA</b>	<b>Protected Area designation</b> Habitats Directive (Council Directive 92/43/EEC): <a href="http://www.jncc.gov.uk/page-1374">http://www.jncc.gov.uk/page-1374</a>  Detailed site information: <a href="http://www.natureonthemap.org.uk/">http://www.natureonthemap.org.uk/</a>	<b>Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?</b>  <b>If not, date for achieving environmental objectives</b>  If extended, justification provided at end of this table	<b>Yes</b>
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### **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; Hen harrier; Shoveler

### **Waterbody ID:**

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



## N2K Protected Area in South East River Basin District (Thanet Coast SAC)

<b>Protected Area name</b> <b>Thanet Coast SAC</b>	<b>Protected Area designation</b> Habitats Directive (Council Directive 92/43/EEC): <a href="http://www.jncc.gov.uk/page-1374">http://www.jncc.gov.uk/page-1374</a> Detailed site information: <a href="http://www.natureonthemap.org.uk/">http://www.natureonthemap.org.uk/</a>  <a href="http://www.thanetcoast.org.uk/">http://www.thanetcoast.org.uk/</a>	<b>Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?</b>  <b>If not, date for achieving environmental objectives</b>  If extended, justification provided at end of this table
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### 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):

Reefs (H1170); Sea caves (H8330)

### Waterbody ID:

GB520704004700; GB650704510000

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 South East River Basin District (Thanet Coast & Sandwich Bay SPA)

<b>Protected Area name</b> <b>Thanet Coast &amp; Sandwich Bay SPA</b>	<b>Protected Area designation</b> Habitats Directive (Council Directive 92/43/EEC): <a href="http://www.jncc.gov.uk/page-1374">http://www.jncc.gov.uk/page-1374</a> Detailed site information: <a href="http://www.natureonthemap.org.uk/">http://www.natureonthemap.org.uk/</a>  <a href="http://www.thanetcoast.org.uk/">http://www.thanetcoast.org.uk/</a>	<b>Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?</b> <b>Yes</b>  <b>If not, date for achieving environmental objectives</b>  If extended, justification provided at end of this table
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### 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):

Golden plover; Little tern; Turnstone

### Waterbody ID:

GB107040019550; GB640604290000; GB640704540001; GB650704510000

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 South East River Basin District (The New Forest SAC)

<b>Protected Area name</b> <b>The New Forest SAC</b>	<b>Protected Area designation</b> Habitats Directive (Council Directive 92/43/EEC): <a href="http://www.jncc.gov.uk/page-1374">http://www.jncc.gov.uk/page-1374</a>	<b>Is the Protected Area meeting its environmental objectives as required by Article 4 (1c)?</b>	<b>No</b>
	Detailed site information: <a href="http://www.natureonthemap.org.uk/">http://www.natureonthemap.org.uk/</a>	<b>If not, date for achieving environmental objectives</b>	<b>2015</b>
	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); Bog woodland (H91D0); Clear-water lakes or lochs with aquatic vegetation and poor to moderate nutrient levels (H3130); Depressions on peat substrates (H7150); Nutrient-poor shallow waters with aquatic vegetation on sandy plains (H3110); Purple moor-grass meadows (H6410); Southern damselfly (S1044); Very wet mires often identified by an unstable 'quaking' surface (H7140); Wet heathland with cross-leaved heath (H4010)

### Waterbody ID:

GB107042011190; GB107042011220; GB107042011280; GB107042011300; GB107042011330; GB107042011400; GB108043015720; GB108043015740; GB108043015750; GB108043015770; GB108043015840

<b>Reason for feature/s either not meeting objective or being at risk of deterioration</b>		<b>Measures proposed to maintain at, or improve to, Favourable Conservation Status</b>		<b>Measure to be made operational no later than</b>
<i>Attribute</i>	<i>- Reason</i>	<i>Measure</i>	<i>Organisation responsible</i>	
Invasive species	- Invasive freshwater species	Invasive species control programme for protected areas	Natural England	2012
Morphology	- Inappropriate ditch management	Site of special scientific interest management agreement	Natural England	2012
Water quality	- Water pollution - discharge	Discharge consent - revoke or amend	Environment Agency	2012
Water quality	- Water pollution - discharge	Implement AMP scheme	Southern Water Services Limited	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.

