

# INFORMATION NOTE

## Water Framework Directive (WFD) – Draft River Basin Management Plans Number: IN 02/09

Property Directorate Sponsor: Ray Dickinson, DE Prop Env Pol, 94421 2126/0121 3112126	Date of issue: 12 <sup>th</sup> February 2009
Contact if different from Property Directorate Sponsor:	
Who Should Read this: <b>All those involved with development of the estate and activities that have the potential impact on the water environment</b>	
When it takes effect: Immediately	When it is due to expire: 31 <sup>st</sup> December 2009

Document Aim: This Information Note aims to inform and seek MOD views on the potential impacts of the Water Framework Directive – Draft River Basin Management Plans on defence activities.

This Information Note sets out:

- The background of the WFD
- Details of the consultation
- Actions required to respond to the consultation

Further background information on the Water Framework Directive can be found in Information Note 10/08

## Water Framework Directive – Draft River Basin Management Plans Consultation

### Background

1. The Water Framework Directive (WFD) is the most substantial piece of EC water legislation to date and is designed to improve and integrate the way water bodies are managed throughout Europe.
2. Water in rivers, estuaries and other wetlands will be improved under measures set out in River Basin Management Plans, drawn up for catchments across the UK under the Water Framework Directive.

### Consultation

3. Public consultation on the draft River Basin Management Plans is taking place between 22 Dec 08 and 22 Jun 09 and final River Basin Management Plans will be published in Dec 09.
4. The questions posed by the consultation broadly cover four main themes.
  - a. Have the objectives for the water environment been defined adequately?
  - b. Are the actions to meet these objectives the right ones?
  - c. Are there extra actions that should be taken?
  - d. Are there any other comments on the plan?
5. Actions proposed cover a wide range of activities on the defence estate including:-
  - a. Agriculture and rural land management
  - b. Angling, fisheries and conservation
  - c. Industrial processes
  - d. Navigation
  - e. Built estate and transport
  - f. Water and wastewater
6. A list of actions in the England and Wales River Basin Management Plans specifically referencing defence sites or MOD is attached at Annex A. A map showing the River Basin areas is attached at Annex B.

### Action

7. To find out more about how the proposals in the draft plans may affect your area of business, full River Basin Management Plans can be accessed through the Environment Agency (EA), Scottish Environment Protection Agency (SEPA) and NI Environment Agency (NIEA) websites.

<http://www.environment-agency.gov.uk/research/planning/33106.aspx>

[http://www.sepa.org.uk/water/river\\_basin\\_planning.aspx](http://www.sepa.org.uk/water/river_basin_planning.aspx)

[http://www.ni-environment.gov.uk/water/wfd/river\\_basin\\_planning.htm](http://www.ni-environment.gov.uk/water/wfd/river_basin_planning.htm)

8. DE Property Directorate will collate the MOD responses for each River Basin. Business areas are requested to submit their comments on any potential impacts of the draft plans for defence activities to Jan Breckons, DE Prop-Env Pol1 by 1 May 2009.

**Water Framework Directive - Actions to Deliver Objectives**

<b>Section</b>	<p>C1 Introduction</p> <p>C2 Agriculture and rural land management</p> <p>C3 Angling, fisheries and conservation</p> <p>C4 Central Government</p> <p>C5 Environment Agency</p> <p>C6 Industry, manufacturing and other business</p> <p>C7 Local and regional government</p> <p>C8 Mining and quarrying</p> <p>C9 Navigation</p> <p>C10 Urban and transport</p> <p>C11 Water Industry</p>	<b>Scenario</b>	<p>A -what is already happening and what will happen</p> <p>B - additional actions that will happen if this plan is approved</p> <p>C - additional actions that could happen if we had more certainty</p>
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<b>Measures</b>	<p>M1 - Measures already happening. Actions already agreed and funded, which may help to meet the objectives of the WFD</p> <p>M2 - New measures that will happen. Actions that will happen irrespective of the WFD but which may help to meet the objectives of the WFD. This group mainly covers new actions for Directives on Freshwater Fish, Urban Waste Water Treatment, Habitats, Nitra</p> <p>M3a - New measures that may happen - national. Measures for the WFD that only require national decisions</p> <p>M3b - New measures that may happen - national, RBD targeted. Measures led nationally that require targeting at the water body or catchment scale.</p> <p>M4 - New measures that may happen - local RBD agreed. New measures specifically for objectives of the WFD that require no national decisions</p>
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**ANGLIAN RBD**

Pressure	What will happen	Where will it happen	Catchment	When will it happen	Means of Delivery	Lead Organisation	Driver for Action	Section	Scenario	Page
Priority Hazardous substances, Priority substances and specific pollutants	LOCALLY DERIVED MEASURE: chalk aquifer. Process Industry Regulation (PIR) and Industry Pollution Prevention & Control (IPPC)workshops to educate impacts of industry on the groundwater environment	Anglian RBD	Anglian RBD	2015	Education and awareness campaigns	Environment Agency, Local Authority and MOD	Reduction in pollution	C4	C	36
Priority Hazardous substances, Priority substances and specific pollutants, nutrients, organic pollutants	LOCALLY DERIVED MEASURE: Identification and resolution of point source pollution from RAF and USAAF military bases.	Anglian RBD	Anglian RBD	2015	Partnership agreements	Environment agency and MOD	Reduction in pollution	C4	C	36
Priority Hazardous substances, Priority substances and specific pollutants	LOCALLY DERIVED MEASURE: chalk aquifer. Process Industry Regulation (PIR) and Industry Pollution Prevention & Control (IPPC)workshops to educate impacts of industry on the groundwater environment	Anglian RBD	Anglian RBD	2015	Education and awareness campaigns	Environment Agency, Local Authority and MOD	Reduction in pollution	C6	C	64
Priority Hazardous substances, Priority substances and specific pollutants, nutrients, organic pollutants	LOCALLY DERIVED MEASURE: Identification and resolution of point source pollution from RAF and USAAF military bases.	Anglian RBD	Anglian RBD	2015	Partnership agreements	Environment agency and MOD	Reduction in pollution	C5	C	55
Organic pollutants, Priority Hazardous Substances, Priority Substances and specific pollutants	LOCALLY DERIVED MEASURE: RAF/USAAF bases - often large areas which cause pollution, but only after they have and after the land has been sold does the extent of the contamination come to light - need strong powers to comply with legislation	All military airfields	Anglian RBD	2015	Partnership agreements	Environment Agency	Reduction in pollution	C6	C	62
Nutrients	Improvement of polluting discharge (continuous) at lot of names sites - including 'Wyton (ex RAF)'	Anglian RBD	Upper Ouse & Bedford	2010	AMP4	Anglian Water Services Ltd	Habitats Directive	C11	A	100

**DEE RBD**

Pressure	What will happen	Where will it happen	Catchment	When will it happen	Means of Delivery	Lead Organisation	Driver for Action	Section	Scenario	Page
Abstraction	Reduction of waste and leakage and promotion of water efficient fittings at institutional and commercial properties	Specified water bodies/catchment		2009	Legislation	Office of Government and Commerce and facilities managers across government estate (Watermark), Carbon Trust, Envirowise	Water Framework Directive	C11	A	78

**HUMBER RBD**

Pressure	What will happen	Where will it happen	Catchment	When will it happen	Means of Delivery	Lead Organisation	Driver for Action	Section	Scenario	Page
Ammonia	Improvement to 1 water company assets (STW) in the Louth Grimsby and Ancholme catchment to ensure no deterioration in river water quality as a result of increase in consented discharge volume	Faldingworth (ex MOD) STW	Louth Grimsby and Ancholme	2014	WRA 1991 discharge consent	Anglian Water	Flow 1 - improvements under revised flow policy	C11	A	132
Abstraction	Reduction of waste and leakage and promotion of water efficient fittings at institutional and commercial properties	Severn Trent Water are considering water audits, appliance retrofit in social housing, institutional and commercial properties	Targeted catchment across the RBD	2008		OGC and facilities managers across the government estate (Watermark), Carbon Trust, Envirowise	WFD - basic measure (Art 11.3C)	C11	A	129

**Northumbria RBD - no MOD reference of any kind**

**North West RBD - no MOD reference of any kind**

**Severn RBD**

Pressure	What will happen	Where will it happen	Catchment	When will it happen	Means of Delivery	Lead Organisation	Driver for Action	Section	Scenario	Page
Nutrients, organic pollutants, sediments, abstraction and other artificial flow pressures, Priority Substances and specific Pollutants, non-native species, physical modification	Bring Natura 2000 sites into Favourable Condition Status (FCS) by delivering measures identified by Natural England and/or Countryside Council for Wales as being necessary to prevent deterioration and secure the conservation objectives of the site.	At relevant Natura 2000 sites in the Severn RBD	Severn RBD	2012	Habitats directive	Natural England and/or Countryside Council for Wales, Welsh assembly Government, The Crown estate, Defence Estates	Favourable Condition Status (FCS). No deterioration	C4	B	40
Abstraction	Reduction of waste and leakage and promotion of water efficient fittings at institutional and commercial properties	Severn RBD	Severn RBD	2008		OGC and Facilities Managers across the Government estate (Watermark), Carbon Trust, Envirowise	WFD	C4	A	36
Abstraction	Reduction of waste and leakage and promotion of water efficient fittings at institutional and commercial properties	Severn RBD	Severn RBD	2008		OGC and Facilities Managers across the Government estate (Watermark), Carbon Trust, Envirowise	WFD	C7	A	88

**South East RBD**

Pressure	What will happen	Where will it happen	Catchment	When will it happen	Means of Delivery	Lead Organisation	Driver for Action	Section	Scenario	Page
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Local initiatives to agree pollution prevention measures for their site on a voluntary basis. Outcome: bringing land back into beneficial use and remove potential sources of ground water contamination	Ground water body	OFD Gosport, Middle Wallop, East Kent, Thanet	2015	Voluntary action and education	Environment agency and MOD	Water Resources 1991, Groundwater Regs	C5	C	52
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Local initiatives to agree pollution prevention measures for their site on a voluntary basis. Outcome: bringing land back into beneficial use and remove potential sources of ground water contamination	Ground water body	OFD Gosport, Middle Wallop, East Kent, Thanet	2015	Voluntary action and education	Environment agency and MOD	Water Resources 1991, Groundwater Regs	C6	C	65

Priority Hazardous Substances, Priority Substances and Specific Pollutants	Local initiatives to agree pollution prevention measures for their site on a voluntary basis. Outcome: bringing land back into beneficial use and remove potential sources of ground water contamination	Ground water body	OFD Gosport, Middle Wallop, East Kent, Thanet	2015	Voluntary action and education	Environment agency and MOD	Water Resources 1991, Groundwater Regs	C8	C	84
Priority Hazardous Substances, Priority Substances and Specific Pollutants - tributyltin compounds	Investigate emissions from installations and appraise options (to reduce at source or treat, up to BATNEEC) to meet EQS and reduce/cease emissions in this or subsequent rounds, focussing on <u>ship</u> yards, timber treatment plants or treated timber storage area	Ashford STW	Stour	2015	PPC Regs 2000	Industry	WFD good status, no deterioration	C6	B	63
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Non-application of TBT to boat hulls by 2003. From January 2008 TBT should not be used on ships hulls or there should be a coating to prevent leaching of underlying TBT anti-foulant	Applies across the whole of the EU	Transitional and coastal waters	Ongoing	Directive 2002/62/EC and Regulation 782/2003	Marine and Fisheries Agency and other organisations as appropriate	Good status, no deterioration	C4	A	26
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Non-application of TBT to boat hulls by 2003. From January 2008 TBT should not be used on ships hulls or there should be a coating to prevent leaching of underlying TBT anti-foul ant	Applies across the whole of the EU	Transitional and coastal waters	Ongoing	Directive 2002/62/EC and Regulation 782/2003	Marine and Fisheries Agency and other organisations as appropriate	Good status, no deterioration	C9	A	86
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Develop national guidance framework on dredging to inform Programme of Measures to meet WFD objectives. Defra to oversee development of national guidance framework on dredging in transitional and coastal waters with EA, M&FA (and future MMO) and Port and H	Applies across England	Transitional and coastal waters	2009	Produce and deliver national guidance framework	Defra, working in partnership with Port and Harbour Authorities, EA, M&FA and other organisations as appropriate.	Good status, no deterioration	C9	B	87

#### South West RBD

Pressure	What will happen	Where will it happen	Catchment	When will it happen	Means of Delivery	Lead Organisation	Driver for Action	Section	Scenario	Page
Nutrients, organic pollutants, sediments, abstraction and other artificial flow pressures, Priority Substances and Specific Pollutants, non-native species, physical modification	Bring Natura 2000 sites into Favourable Condition Status (FCS) by delivering measures identified by Natural England and/or Countryside Council for Wales as being necessary to prevent deterioration and secure the conservation objectives of the site.	All relevant Natura 2000 sites in South West RBD	South West RBD	2012	Habitats Directive	Natural England, EA, Wildlife Trusts, FC, water Companies, highways Agency, MOD, LA, NT, IDB, Harbour authorities, Sea Fisheries Committee	Favourable Conservation Status. No deterioration	C2, C3, C4, C5, C7, C9	A	10, 23, 34, 57, 73, 82
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Develop national guidance framework on dredging to inform Programme of Measures to meet WFD objectives. Defra to oversee development of national guidance framework on dredging in transitional and coastal waters with EA, M&FA (and future MMO) and Port and H	Applies across England	Transitional and Coastal Waters	2009	Habitats Directive	Defra, working in partnership with Port and Harbour Authorities, EA, M&FA and other organisations as appropriate.	Good status, no deterioration	C4, C9	B	26, 83

#### Thames RBD

Pressure	What will happen	Where will it happen	Catchment	When will it happen	Means of Delivery	Lead Organisation	Driver for Action	Section	Scenario	Page
Direct biological pressures	Undertake specific weed control measures	Thursley, Ash, Pirbright and Chobham SAC	Wey	2015	Partnership work	Ministry of Defence	PSA	C4	A	15
Direct biological pressures	Undertake specific weed control measures	Thursley, Ash, Pirbright and Chobham SAC, Woolmer Forest SAC	Wey	2015	Partnership work	Ministry of Defence	PSA	C3	A	41
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Groundwater remediation of chlorinated solvents pollution in progress	Aldermaston Bagshot Beds	Aldermaston Bagshot Beds	2015	Contaminated Land Regulations 2000	Ministry of Defence	Part 2A Contaminated Land Regulations, Groundwater Regulations	C6	B	59
Physical modifications, Priority Hazardous Substances, Priority substances and Specific Pollutants	Ports, harbours and navigation authorities to include measures to achieve Good Ecological Potential or Good Ecological Status in their maintenance dredging and disposal strategies	Thames Estuary	Thames Estuary	2015	Dredging and Disposal Strategies, Investigations	Ports and Harbours (Marine & fisheries Agency, Natural England, EA, NGO's)	Marine Bill, Habitats Directive	C9	B	76
Physical modifications, Priority Hazardous Substances, Priority substances and Specific Pollutants	Apply national guidance framework on disposal of dredgings to refine local measures as appropriate (where not disproportionately costly or technically infeasible)	Applies locally as necessary	All	2012	Via licensing controls	Environment Agency, Navigation Authorities	WFD	C9	B	76

Priority Hazardous Substances, Priority Substances and Specific Pollutants	Develop national guidance framework on dredging to inform Programme of Measures to meet WFD objectives. Defra to oversee development of national guidance framework on dredging in transitional and coastal waters with EA, M&FA (and future MMO) and Port and H	Applies across England	All	2009	Habitats Directive	Defra, working in partnership with Port and Harbour Authorities, EA, M&FA and other organisations as appropriate.	WFD	C9	B	77
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**Western Wales RBD**

Pressure	What will happen	Where will it happen	Catchment	When will it happen	Means of Delivery	Lead Organisation	Driver for Action	Section	Scenario	Page
Physical Modifications	Guidance to EA on whether obsolete defence structures are currently being used as a place of shelter by a protected species before removal considered	Where structures are identified in western Wales RBD		2015	Partnership Agreements	EA, NGOs	WFD	C5	C	48
Abstraction	Reduction of waste and leakage and promotion of water efficient fittings at institutional and commercial properties	Specified water bodies/catchments in western Wales RBD	RBD	2009		OGC and facilities managers across the Government Estate (Watermark), Carbon trust, Envirowise	WFC	C11	A	85

Annex B

River Basin Districts in the UK and Ireland (map)

**WATER FRAMEWORK DIRECTIVE  
RIVER BASIN DISTRICTS IN THE UK AND IRELAND**



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LEGEND: IRBD International River Basin Districts RBD River Basin Districts

Northern Ireland(UK) and Ireland

	IRBD Name: <b>North Western (IRBD)</b>
	IRBD Name: <b>Neagh Bann (IRBD)</b>
	RBD Name: <b>North Eastern</b>
	RBD Name: <b>Western</b>
	IRBD Name: <b>Shannon (IRBD)</b>
	RBD Name: <b>Eastern</b>
	RBD Name: <b>South Eastern</b>
	RBD Name: <b>South Western</b>

Scotland, England and Wales

	RBD Name: <b>Scotland</b>		RBD Name: <b>Western Wales</b>
	RBD Name: <b>Solway Tweed (Cross Border)</b>		RBD Name: <b>Dee (Cross Border)</b>
	RBD Name: <b>Northumbria (Cross Border)</b>		RBD Name: <b>Severn (Cross Border)</b>
	RBD Name: <b>North West</b>		RBD Name: <b>Thames</b>
	RBD Name: <b>Humber</b>		RBD Name: <b>South East</b>
	RBD Name: <b>Anglian</b>		RBD Name: <b>South West</b>
National and International Borders Rivers Capital Cities		Coastal and Transitional Waters Areas are shown as a tint of the RBD	

