

Water for life and livelihoods

River Basin Management Plan
South East River Basin District

Annex C: Actions to deliver
objectives

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C.1 Introduction

This annex sets out tables of the actions (the programmes of measures) that are proposed for each sector. Actions are the on the ground activities that will be implemented to manage the pressures on the water environment and achieve the objectives of this plan.

Further information relating to these actions and how they have been developed is given in:

- Annex B Objectives for waters in the South East River Basin District
This gives information on the current status and environmental objectives that have been set and when it is planned to achieve
- Annex D Protected area objectives (including programmes for Natura 2000)
This gives details of the location of protected areas, the monitoring networks for these, the environmental objectives and additional information on programmes of work for Natura 2000 sites
- Annex E Actions appraisal
This gives information about how we have set the water body objectives for this plan and how we have selected the actions
- Annex F Mechanisms for action
This sets out the mechanisms - that is, the policy, legal, financial and voluntary arrangements - that allow actions to be put in place

Tables of actions

The actions are set out in tables for each sector. For the purposes of this plan this is the sector that may be causing the pressure or is being affected by an action. 'Being affected' may mean that the sector is the one taking action or that the sector's activities are affected by an action implemented by others. Some actions will be noted against more than one sector, as one sector may be implementing action that requires another to take action in response.

The sectors are set out in table C1a below.

The tables set out the list of actions established at the outset of this plan period. It is expected that further measures will be identified during the implementation period for this plan. The plan includes many investigations that will help identify future actions, where it has not yet been possible to define these (see annex E). In some cases investigations are needed to confirm the pressure that is causing a problem, even before it will be possible to define an action. We also encourage sectors to put forward other measures so that these can be considered during the period of this plan.

Table C1b sets out an explanation of the headings in the actions tables. The subsequent tables set out specific actions relevant to each sector, ordered chronologically and alphabetically.

Table C1c lists generic mitigation measures identified by the Strategic Environmental Assessment of the specific actions.

Table C1a: **Sectors**

Standard list of sectors			
Sector	Activity included	Sector	Activity included
Agriculture and rural land management	Dairy / beef, sheep, pig and poultry (including outdoor pigs) Mixed and Arable Horticulture Forestry Land drainage (including Inland Drainage Boards) Other rural land development Private water supplies (potable supplies) protection Private sewage management (incl. septic tanks and private sewage systems)	Local Government	Local and regional government including planning authorities and national parks (including local authority urban drainage not covered by Water Industry) Private water supplies - (potable supplies - water quality and sufficiency) Contaminated land
Angling & conservation	Fisheries (angling) management Other habitat management (including conservation)	Mining and quarrying	Active mines and quarries Abandoned coal mines Abandoned other mines
Central Government	Defra Natural England Other central government organisations and agencies	Navigation	Ports / marinas Maritime shipping / boating Inland navigation
Environment Agency		Urban and transport	Private water supplies (potable supplies) protection Private sewage management (inc. caravan parks etc) Road, air & rail transport Contaminated land Flood risk management Other development activities
Industry, manufacturing & other business	Power generation Chemical industry Oil industry SMEs / Industrial estates Construction Aquaculture Commercial fisheries (fresh, transitional & coastal waters – not angling) Waste management Retail industry Food & drink industry Recreation & tourism (not covered by boating or angling e.g. parkland / amenity)	Water industry	Sewage - treatment Sewage - collection (including intermittent discharges from combined sewage overflows) Sewage - other drainage (inc flooding & leaking sewers) Sewage - trade effluent management Sludge recycling to land Potable supply – treatment Potable supply – storage & transfer (inc. leakage) Potable supply - planning

Table C1b: **Example table of headings and descriptions**

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
<i>The pressure being managed</i>	<i>The action that will be taken</i>	<i>The location or geographical extent of the action</i>	<i>The date by which the action will be put in place ("Implemented" means that the action is already in and able to have a beneficial effect)</i>	<i>The organisation responsible for delivering the action and other organisations that may be involved</i>
Local actions				
<i>Sets out actions specific to the South East River Basin District and/or specified waterbodies</i>				
Natura 2000 protected areas and SSSIs				
<i>Sets out actions that will be put in place for Natura 2000 protected areas and sites of special scientific interest</i>				

NB: lead organisation(s) is/are listed first with other partners following in brackets.

Strategic environmental assessment and actions

The purpose of the River Basin Management Plan is to improve the ecological status and potential of water bodies and so the environmental effects of the plan are predominantly positive. A Strategic Environmental Assessment was carried out that also considered the wider environment and identified potential adverse effects associated with some of the actions, as well as enhancements to add value to the measures included in the plan. Whilst many of the proposals to mitigate negative impacts are specific to the proposed action, others are applicable across a range of actions and will be considered at a project level. These generic mitigation measures are described in the table

below. Further information is included in the statement of particulars at – see <http://www.environment-agency.gov.uk/research/default.aspx> and go to Water Framework Directive.

Table C1c: **Generic mitigation to be applied when implementing actions**

Impact	Mitigation
Population and human health	Avoid adversely affecting existing routes of public access to the countryside and water bodies.
	Identify opportunities to improve public access to the countryside, water bodies or water based recreation.
Biodiversity	Target any actions designed to improve biodiversity to those locations where the gains can be maximised.
	Identify opportunities to link with existing ecological networks, sites or features or proposed improvements.
	Identify opportunities where biodiversity improvements can also benefit local populations.
Cultural heritage	Before undertaking an action, determine whether there are any historical features that are likely to be adversely affected and undertake an appropriate level of project level assessment and mitigation.
Sustainability	Adopt a sustainable procurement policy.
	Reuse materials or use recycled materials or those from renewable sources where possible.
	Implement a waste management plan to minimise waste directed to landfill.
	Take steps to minimise the 'carbon footprint' of the action by reducing energy demand and the 'embedded energy' of any materials used.
Agriculture and biodiversity	Align agri-environment schemes to achieve biodiversity benefits and complement other biodiversity initiatives.

Habitats Regulations Assessment

A Habitats Regulations Assessment of this Plan was carried out by the Environment Agency in 2009. Natural England were consulted on the assessment and we have had regard to their advice.

Many of the measures in the Plan, most specifically those in Annex D, are designed to improve the water environment and help to maintain or restore Natura 2000 habitats and species at favourable conservation status. The overall purpose of the plan is to ensure no deterioration of the water environment and deliver the objectives of individual water bodies (normally 'good ecological status'). However, the Habitats Regulations Assessment has identified certain types of measure in the plan with potential to negatively affect Natura 2000 sites. Whether a negative effect is likely depends on the exact location, spatial scale, nature and timing of the measure. The details necessary to make reasonable predictions about the effects on Natura 2000 sites will not be developed until the measures are progressed towards implementation.

We have concluded that the plan itself is unlikely to have any significant negative effects on any Natura 2000 sites. The Plan itself does not require further assessment under the Habitats Regulations. This conclusion is reliant on the fact that before any measures in the plan are implemented they must be subject to the requirements of the Habitats Regulations. Any plans, project or permissions required to implement the measures must undergo an appropriate assessment if they are likely to have a significant effect.

Responsibility for Habitats Regulations Assessment of plans, projects or permissions required to implement the measures in this Plan remains with the relevant competent authority, for example if the measure requires planning permission the Local Authority will be the relevant competent authority. In most circumstances, a competent authority can only agree to a plan, project or permission when it has ascertained that it will not adversely affect the integrity of a Natura 2000 site. Changes to the measures in this plan may be required to avoid adverse effects on the integrity of any Natura 2000 sites.

C.2 Actions we can all take

There are actions that we can all take to help protect and improve the water environment.

Table C2: **Actions we can all take**

Pressure	What will happen
Prevent pollution	Check that household appliances are connected to the foul sewer, not the surface water drain.
Prevent pollution	Adopt-a-beach to help keep beaches clean and stop litter at source.
Prevent pollution	Ensure household oil storage is in good condition, with an up-to-date inspection record.
Prevent pollution	Ensure septic tanks or private sewage treatment plants are well maintained and working effectively.
Prevent pollution	Put cotton buds and other litter in the bin, not down the toilet. It may end up in the sea where it can harm wildlife.
Prevent pollution	Take waste oil and chemicals such as white spirit to a municipal recycling facility: don't pour them down the sink or outside drains.
Prevent pollution	Use kitchen, bathroom and car cleaning products that don't harm the environment, such as phosphate-free laundry detergents, and use as little as possible. This helps prevent pollution at source.
Prevent pollution	Report pollution or fly-tipping to the Environment Agency on 0800 807060.
Prevent pollution, protect wildlife	Adopt-a-river to spot pollution, invasive non-native species, and take part in practical tasks.
Protect wildlife	Eat fish from sustainable sources, caught using fishing methods that don't cause damage to marine wildlife and habitats.
Protect wildlife	Eliminate invasive non-native species from gardens. They can have a negative effect on native species and the water environment. Please dispose of them responsibly.
Save water: in your garden	Choose plants that tolerate dry conditions. To help lawns through dry periods, don't cut them too short.

Pressure	What will happen
Save water: in your garden	To save water in gardens, collect rain in a water-butt, water at the beginning or end of the day, mulch plants, and use watering cans where possible instead of sprinklers or hosepipes.
Save water: in your house or office	Purchase low energy and water use appliances
Save water: in your house or office	Ask water companies to fit a meter. On average, this can reduce household water consumption.
Save water: in your house or office	Fix dripping taps, and lag pipes to avoid them bursting in freezing weather.
Save water: in your house or office	Hand wash cars
Save water: in your house or office	Consider installing a greywater recycling system in homes, blocks or workplaces. This can save one third of domestic mains water usage.
Save water: in your house or office	Install a 'hippo' or 'save-a-flush' in toilet cisterns.
Save water: in your house or office	Install a low-flush toilet, put flow regulators on taps and showers, and install waterless urinals at work. Install aerating shower heads and tap inserts, which save up to 50% of the water used by conventional showers and taps.
Save water: in your house or office	Run dishwashers or washing machines with a full load on economy setting, and boil the minimum amount of water needed in kettles or saucepans.
Save water: in your house or office	Turn off the tap when brushing teeth, and take short showers rather than baths.
Save water: in your house or office	Wash fruit and vegetables in a bowl rather than under the running tap - and use the remainder on plants.
Save water: in your house or office	Ensure extensions or conservatories have their roof water draining into a soakaway or sustainable drainage system and are not connected to the combined sewer.
Save water: in your house or office	Ensure that any off-road parking or patio around the house use permeable materials so rain can soak into the soil.

C.3 Agriculture and rural land management

The South East River Basin District covers a total land area of 839,750ha. An estimated 563,000ha or two thirds of this land is farmed. The 2006 Defra Farm Survey states that the 12,500 farms in the District provide work for around 25,500 people. This means that farms and farmers have a major impact on how the District will be performing when it comes to compliance with the Water Framework Directive.

Farming has always been a balancing act between what is economically sensible and what is good for the environment. However, farmers can also contribute to maintaining a good environment. For example, over 462,000ha of farmed land in the South East Government Region is currently maintained under entry level Environmental Stewardship, a scheme that pays farmers for working their land in an environmentally sensitive way. Linking farming back to the environment in this way and ensuring best practice will eventually result in improved compliance with the Water Framework Directive.

Table C3: **Actions for the agriculture and rural land management sector**

See next page for action tables

Agriculture and rural land management

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Agriculture and rural land management				
National Actions				
Abstraction and other artificial flow pressures	Extension of abstraction control to include previously exempt uses (abstractions by Ports and Harbour authorities from tidal waters under certain conditions likely to remain exempt) (SE0002)	South East RBD	2012	Environment Agency
Abstraction and other artificial flow pressures	Registration for previously exempt activity: abstraction of water within water meadow systems. (SE0001)	South East RBD	2012	Environment Agency
Aldrin, Atrazine, Diuron, 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. (DrWPA0038)	Little Stour	2010	Central Government
Bentazone, Triclopyr, Trichloroacetic Acid, MCPA, Chlortoluron, Carbendazim, , Mecoprop, Cyanazine, Dalapon, Glyphosate	Further monitoring to confirm risk of failure of WFD Article 7 (DrWPA0040)	Little Stour	2010	Environment Agency; Water companies
Carbetamide, Dalapon	Further monitoring to confirm risk of failure of WFD Article 7 (DrWPA0035)	Darwell Reservoir	2010	Environment Agency; Water companies
Isoproturon; Atrazine; 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. (SE0017)	Darwell Reservoir; Little Stour; Test (Lower)	2010	Central Government; Environment Agency

Agriculture and rural land management

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Chlortoluron	Re-direct existing CSF resource to address issue. (DrWPA0033)	Test (Lower)	2010	Natural England
Cypermethrin	Temporary UK-wide suspension on use as sheep-dip (SE0018)	South East RBD	Implemented	Veterinary Medicines Directorate
Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances & Specific Pollutants	Implement DCLG Planning Policy Guidance Statement 23 (PPS23) on controlling pollution of groundwater (SE0067)	South East RBD	Implemented	Local Authorities
Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances and Specific Pollutants (Metals)	Comply with Environment Agency Notices (Water Resources Act S86 and S161, Groundwater Regulations, contaminated land legislation, Silage Slurry and Agricultural Fuel Oils Regulations). Make use of site specific notices to remove pollution risks to groundwater (SE0066)	South East RBD	Implemented	Land managers and owners; Environment Agency (Local Authorities)
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Follow pesticides statutory Code of Practice - comply with published advice for operators on control of plant protection products (SE0061)	South East RBD	Implemented	Land managers and owners

Agriculture and rural land management

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Follow Pesticides Code of Practice - comply with published advice for operators on control of plant protection products (SE0058)	South East RBD	Implemented	Industry leads; Land managers and owners
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Support to Chemicals Regulation Directorate (formerly the Pesticides Safety Directorate) research into amenity use of pesticides (SE0063)	South East RBD	Implemented	Central Government
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Groundwater protection advice to Chemicals Regulation Directorate (formerly the Pesticides Safety Directorate) approvals process (SE0166)	South East RBD	Implemented	Central Government; Environment Agency

Agriculture and rural land management

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Follow The Code of Good Agricultural Practice - comply with published advice for operators on control of agri-chemicals (SE0050)	South East RBD	Implemented	Land managers and owners
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Comply with new EC Sustainable Use of Pesticides Directive to control use of Plant Protection Products (SE0047)	South East RBD	2012	Land managers and owners
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Groundwater protection advice to Veterinary Medicines Directorate products approvals process (SE0154)	South East RBD	Implemented	Central Government

Agriculture and rural land management

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	New EC Sustainable Use of Pesticides Directive to control use of Plant Protection Products (SE0169)	South East RBD	2012	Central Government
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Enforcement of Groundwater Regulations to control agri-chemicals through Cross Compliance (SE0056)	South East RBD	Implemented	Environment Agency
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Follow Sheep Dip Statutory Code of Practice - comply with published advice for operators (SE0049)	South East RBD	Implemented	Land managers and owners

Agriculture and rural land management

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Environmental Permitting – disposal of sheep dip and pesticides (SE0161)	South East RBD	Implemented	Environment Agency
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Environmental Permitting – effluent discharges to ground (SE0162)	South East RBD	Implemented	Environment Agency
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	EU review of approvals for Plant Protection Products (SE0057)	South East RBD	Implemented	EU
Isoproturon	Recently introduced UK-wide restrictions will see decreasing trend in emissions of Isoproturon, and probable compliance by 2015 with no further action. (SE0068)	South East RBD	Implemented	Chemicals Regulation Directorate

Agriculture and rural land management

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
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. (DrWPA0034)	Test (Lower)	2010	Central Government; Environment Agency
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. (DrWPA0037)	Darwell Reservoir	2010	Central Government; Environment Agency
Microbiology; Nutrients; Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants; Organic pollutants	Maintain a nationally funded advice-led partnership under the England Catchment Sensitive Farming Initiative to reduce diffuse water pollution from agriculture in at risk catchments and promote sustainable farming practice. (SE0070)	Chichester-Worthing-Portsdown Chalk; East Hants Chalk; IOW Central Downs Chalk; IOW Southern Downs Chalk; Kent Isle of Thanet Chalk; Littlehampton Anticline East; Isle of Wight Catchment; Rother Catchment; Stour Catchment; Test & Itchen Catchment; Arun & Western Streams Catchment	Implemented	Natural England; Environment Agency

Agriculture and rural land management

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Microbiology; Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants; Nutrients; Organic pollutants	Progress delivery of cross-compliance inspection and enforcement (SE0071)	South East RBD	2010	Environment Agency (Defra; Rural Payments Agency)
Nitrate	Development planning - planning liaison. Site specific groundwater pollution prevention advice and recommendations (SE0072)	South East RBD	Implemented	Local Authorities
Nitrate	Follow The Code of Good Agricultural Practice - comply with published advice for operators on nitrate control (SE0075)	South East RBD	Implemented	Land managers and owners
Nitrate	Follow advice on controlling nitrate releases to land and water (SE0074)	South East RBD	Implemented	Land managers and owners
Nitrate	Enforcement of Sludge Regulations through cross compliance (SE0073)	South East RBD	Implemented	Environment Agency (Land managers and owners)

Agriculture and rural land management

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nitrate; Ammonia; Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Establish further the nationally funded advice-led partnership under the England Catchment Sensitive Farming Initiative to reduce diffuse water pollution from agriculture in at risk catchments and promote sustainable farming practice. (SE0085)	South East RBD	2012	Natural England; Environment Agency
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Agri-environment schemes/ Environmental Stewardship - payments for best practice to limit nitrate input and control agric-chemicals (SE0173)	South East RBD	Implemented	Land managers and owners
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Implement Groundwater Protection: Policy and Practice - External education on groundwater pollution prevention (SE0087)	South East RBD	Implemented	Land managers and owners; Environment Agency

Agriculture and rural land management

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	NetRegs (Environmental Guidance to Business) - External education on groundwater pollution legislation (SE0174)	South East RBD	Implemented	Environment Agency
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Proactive targeted farmer education on control of agri-chemicals and nitrate (SE0083)	South East RBD	Implemented	Environment Agency
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances and Specific Pollutants (Metals)	Registrations (in conjunction with Standard Rules) - Implement new regulatory approach (via Environmental Permitting Regulations) arising from implementation of the new Groundwater Directive (2006/116/EC) (SE0089)	South East RBD	2012	Environment Agency (Industry leads; Land managers and owners; Water companies)

Agriculture and rural land management

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients	Establish and enforce Nitrate Vulnerable Zones in catchments at a high risk from nitrate pollution, requiring farmers to follow a programme of measures to reduce nitrate entering the water from farmland. (see map D6 in annex D) (SE0090)	South East RBD	Implemented	Defra; Environment Agency
Nutrients	Local campaign to decrease input of nitrates to groundwater bodies and assess likely contributors to high nitrates. Outcome: Contribute to improved groundwater quality. (SE0091)	South East RBD	2012	Environment Agency
Physical modification	Plans, processes and programmes (such as the Environment Agency Navigation and Recreation strategies) will be aligned to the requirements of hydromorphology to achieve Water Framework Directive objectives (especially ecological potential). This will be two fold: i) Mitigation measures required to reach good ecological potential will be identified in and delivered through such plans, and ii) the prioritisation of environmental improvements will be influenced by the specific requirements to reach Water Framework Directive objectives. (SE0145)	South East RBD	Implemented	Environment Agency
Physical modification	A central spatially-enabled hydromorphological database will be created, this will provide a system that will quickly and reliably, supply data to better understand hydromorphological impacts of modifications to water bodies. it will be used to provide available hydromorphological data as an input into the approval/assessment processes for new physical modifications to ensure compliance with Water Framework Directive requirements, especially those related to Article 4(7). (SE0117)	South East RBD	2010	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Sediments (as a direct pollutant); Microbiology; Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants	Progress the Entry Level Stewardship Scheme offering farmers an incentive to achieve environmental benefits on agricultural land. Entry Level Stewardship is open to all those farming in England and aims to reward good land management and address some of the environmental issues affecting the wider countryside including diffuse pollution, soil erosion and the conservation of farmland birds (SE0179)	South East RBD	Implemented	Natural England (Defra)
Sediments (as a direct pollutant); Microbiology; Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants	Maintain the Higher Level Stewardship Scheme offering farmers an incentive to achieve environmental benefits over and above those required under the Entry Level Stewardship Scheme. Higher Level Stewardship is targeted by Natural England to maximise environmental and other public benefits in targeted areas within the River Basin District (SE0178)	South East RBD	Implemented	Defra (Natural England)

Agriculture and rural land management

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Nitrate; Phosphate; Priority Substances & Specific Pollutants	Investigation of Groundwater Dependent Terrestrial Ecosystems (GWDTEs) to assess if they have been significantly damaged as a result of groundwater pollution (SE0172)	South East RBD	Implemented	Environment Agency
Physical modification	Monitoring and investigation into mitigation measures techniques, to establish their effectiveness and improve understanding of hydromorphological and ecological interactions. The outcomes from this work will be applied nationally. (SE0143)	South East RBD	2011	Environment Agency
Physical modification	Monitoring and investigation of the effectiveness of river restoration work undertaken at Shopham Loop, on the long term sustainability of the catchment. (SE0144)	Arun & Western Streams Catchment	2010	Environment Agency
Local Actions				
Abstraction and other artificial flow pressures	Ensure that local spatial planning policies for new development set out strong requirements for water efficiency measures. Outcome: Adopted Development Plan Documents include policies on (i) water efficiency measures for new development that seek to achieve Code for Sustainable Homes Level 3 and 4 (105 litres a day per capita consumption) as a minimum, and (ii) water efficiency measures for business and commercial developments (such as rainwater harvesting and recycling). (SE0219)	South East RBD	2012	Local Authorities (Environment Agency; Land managers and owners; South East England Partnership Board)

Agriculture and rural land management

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures	Promote small-scale storage reservoirs to businesses, where they can be justified in the context of the twin track approach of resource development and demand management, and are proven to be resilient to a range of hydrological events. Outcome: Abstraction pressures are reduced during low flow periods (SE0271)	South East RBD	Implemented	Environment Agency (South East England Development Agency; National Farmers' Union)
Abstraction and other artificial flow pressures	Encourage all rural businesses to adopt water efficiency measures, such as rainwater harvesting and recycling and use of storage reservoirs to support summer irrigation. Outcome: There is enough water for people, their businesses and the environment. (SE0213)	Isle of Wight Catchment; Rother Catchment; Stour Catchment; Arun & Western Streams	2012	Environment Agency; Central Government (Abstractors; Business and Industry)
Abstraction and other artificial flow pressures	Develop and implement a demand management campaign including targeting specific non-household sectors (e.g. review Fawley water use, 'Ensuring water for all' project). Outcome: Abstraction pressures on the environment are reduced (SE0204)	South East RBD	2010	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Direct biological pressures; Direct biological pressures	Contain and control invasive non-native species at priority sites through partnership working. Agree sites and action with the South East England Non-Native Invasive Species Action Group. Outcome: Spread of problem invasive species stopped and reversed, protecting important nationally and internationally designated habitats under threat from this pressure (SE0201)	New Forest Catchment; Arun & Western Streams ; Cuckmere & Pevensey Levels ; Test & Itchen	2012	Natural England; Environment Agency (Riparian owners; Land managers and owners; Forestry Commission; Local Authorities; Environmental NGOs)
Hazardous substances and non-hazardous pollutants; Ammonia; Faecal indicator organisms; Nitrate; Priority Substances & Specific Pollutants	Pollution prevention advice and campaigns in high risk areas. Outcome; Improved groundwater and surface water quality. (SE0259)	Adur & Ouse Hastings Beds; Brighton Chalk Block; Central Hants Lambeth Group; Chichester-Worthing-Portsdown Chalk; East Hants Chalk; East Hants Lambeth Group; East Kent Chalk - Stour; East Kent Tertiaries; Hastings Beds Cuckmere and Pevensey Levels; IOW Central Downs Chalk; IOW Southern Downs Chalk; Kent Greensand Eastern; Kent Isle of Thanet Chalk; Kent Romney Marsh; Kent Weald Eastern - Rother; Littlehampton Anticline East; Lower Greensand Adur & Ouse; Lower Greensand Arun & Western Streams; Lower Greensand Cuckmere & Pevensey Levels; River Itchen Chalk; River Test Chalk; Seaford and Eastbourne Chalk Block; South Hants Lambeth Group	2012	Environment Agency

Agriculture and rural land management

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances & Specific Pollutants	Local agricultural partnerships e.g. Linking Environment and Farming, and non-governmental organisations such as Rivers Trusts, Landcare, Farming and Wildlife Advisory Group, to provide advice on the use of agri-chemicals and nitrate control. Outcome: Improved practice to contribute to improved water quality in ground and surface water bodies. (SE0247)	South East RBD	Implemented	Land managers and owners
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Pollution prevention advice and campaigns targeting oil care advice in high risk areas. Outcome: Better protection of groundwater and surface water quality. (SE0260)	Adur & Ouse Hastings Beds; Arun & Western Streams Hastings Beds; Brighton Chalk Block; Central Hants Bracklesham Group; Central Hants Lambeth Group; Chichester-Worthing-Portsdown Chalk; East Hants Lambeth Group; East Kent Chalk - Stour; Hastings Beds Cuckmere and Pevensey Levels; IOW Southern Downs Chalk; Kent Greensand Eastern; Kent Isle of Thanet Chalk; Kent Romney Marsh; Kent Weald Eastern - Rother; Lower Greensand Arun & Western Streams; Lower Greensand Cuckmere & Pevensey Levels; River Itchen Chalk; River Test Chalk; Seaford and Eastbourne Chalk Block; South East Hants Bracklesham Group	2012	Environment Agency

Agriculture and rural land management

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nitrate; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant); Phosphate	Work with local authorities to establish a cost effective way of recycling green domestic waste on agricultural land to increase soil organic content. Outcome: Improved water quality through reducing agricultural run-off by improving soil structure using green waste (SE0305)	South East RBD	2012	Environment Agency; Local Authorities (National Farmers' Union)
Nutrients	Downs and Harbours Clean Waters Partnership to design and implement a strategy to tackle diffuse pollution in the Solent and groundwater in the South Downs. Outcome: Meet targets for key Sites of Special Scientific Interest, help address wider water quality issues and reverse nitrate trends in potable groundwater sources (SE0209)	East Hampshire Catchment; Arun & Western Streams	Implemented	Natural England; Environment Agency (Portsmouth Water)
Nutrients	Identify high risk locations for promoting good land management practice where there are a high number of horse related waste and pollution incidents. Outcome: No deterioration and improved water quality resulting from better management of organic waste from horses (SE0231)	South East RBD	2012	Environment Agency
Nutrients	Local campaign to decrease input of nitrates to groundwater bodies and assess likely contributors to high nitrates. Outcome: Take appropriate action, on a prioritised basis, to contribute to improved groundwater quality (SE0248)	South East RBD	2012	Environment Agency

Agriculture and rural land management

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Microbiology; Organic pollutants; Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants	Influence Town and Country Planning Act authorisation process to help minimise risk of diffuse pollution from new developments (e.g. implement SUDs and use of Water Resource Act Planning Guidance). Outcome; Improved groundwater and surface water quality. (SE0239)	South East RBD	Implemented	Local Authorities; Environment Agency
Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant)	A pilot project to incorporate water body information into Environmental Stewardship targeting guidance for the South Downs. Outcome: Reduced diffuse pollution from agriculture within at risk water bodies, and extend approach as applicable to other catchments. (SE0192)	East Hampshire Catchment; Cuckmere & Pevensey Levels ; Adur & Ouse ; Arun & Western Streams	2012	Natural England; Environment Agency

Agriculture and rural land management

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant); Organic pollutants	Work with Natural England to target Catchment Sensitive Farming type activities and agri-environment schemes to ensure adoption of best farming practices. Outcome: Reduce diffuse pollution sources from agriculture within water bodies identified as being impacted or at risk. (SE0306)	Groundwater bodies: Lower Greensand Adur and Ouse; low Central Downs Chalk; Kent Romney Marsh; Central Hants Lambeth Group; South Hants Lambeth Group ; South West Hants Barton Group; Adur and Ouse Hastings Beds; Littlehampton Anticline East; Lower Greensand Arun and Western Streams; low Southern Downs Chalk; East Hants Chalk; Brighton Chalk Block; East Kent Chalk - Stour; Seaford And Eastbourne Chalk Block; Kent Isle Of Thanet Chalk; East Hants Lambeth Group; Chichester and Worthing Chalk; Kent Weald Eastern - Rother; Hastings Beds Cuckmere And Pevensey Levels; East Kent Tertiaries; River Itchen Chalk; Lower Greensand Cuckmere and Pevensey Levels; River Test Chalk; Kent Greensand Eastern	2012	Natural England; Environment Agency
Nutrients; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant); Organic pollutants	(Continues from above - see additional waterbodies) Work with Natural England to target Catchment Sensitive Farming type activities and agri-environment schemes to ensure adoption of best farming practices. Outcome: Reduce diffuse pollution sources from agriculture within water bodies identified as being impacted or at risk. (SE0306)	Surface water bodies: Arun & Western Streams; Broad Rife, Lidsey Rife, R. Ems, Harting Stream, Stanbridge Stream Cuckmere & Pevensey Levels; Pevensey Haven between Rickney and Pevensey East Hampshire; Brownwich Stream, Horton Heath Stream, Potwell Trib, Steeple Court Stream Isle of Wight; Atherfield Stream, R. Eastern Yar, R. Medina, Thorley Brook, Rodge Brook, Monktonmead Brook, Palmers Brook, Gurnard Luck, Lukely Brook	2012	Natural England; Environment Agency

Agriculture and rural land management

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant); Organic pollutants	(Continues from above - see additional waterbodies) Work with Natural England to target Catchment Sensitive Farming type activities and agri-environment schemes to ensure adoption of best farming practices. Outcome: Reduce diffuse pollution sources from agriculture within water bodies identified as being impacted or at risk. (SE0306)	Rother; Brede between Battle and Winchelsea, Tillingham, Lower Rother from Robertsbridge to Iden, Walland Marsh Iden to Appledore, Cradlebridge Petty Sewer, Tributary of Newmill Channel upstream of Rolvenden, Romney Marsh between Appledore and West Hythe, Socknersh Stream, Tillingham Stour; Wingham River, Little Stour, East Stour, North Chislet Marsh Test & Itchen; Cadnam River, Whiteparish Trib, Sherfield English Stream, Fairbourne Stream to Fishlake Meadows, Tadburn Lake, River Blackwater, R. Blackwater, Test (Lower), River Itchen, River Test, R. Test (Middle), River Test, R. Anton, Bow Lake	2012	Natural England; Environment Agency
Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Nutrients	Pollution prevention advice and local campaigns to provide targeted advice and enforcement in high risk areas on all rural diffuse pollution issues: farm and land management, domestic oil storage, septic tanks. Outcome: Diffuse pollution reduced through the adoption of best practices (SE0261)	South East RBD	Implemented	Environment Agency; Natural England (Local Authorities; Local industry associations)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Reinstatement of gravel bed substrate where appropriate within 11 waterbodies in the Adur and Ouse catchment. Outcome: Improved hydromorphology. Better habitat for spawning and juvenile sea trout. (ART_25)	Adur & Ouse: Bevern Stream, Northend Stream at Cooksbridge, Longford Stream, Shortbridge Stream, Ridgewood Stream, Little Horsted Stream, Woodsmill Stream, Chess Stream, Herrings Stream, Black Sewer, Adur (Lancing brook).	2012	River Adur Conservation Society & Sussex Ouse Conservation Society (Environment Agency)
Physical modification	Address obstructions to fish passage where appropriate within 5 waterbodies in the Adur and Ouse catchment. Outcome: Improved freedom of upstream and downstream movement of eels, sea trout and other fish. (ART_26)	Adur & Ouse: Northend Stream, Shortbridge Stream, Herrings Stream, Black Sewer, Woodsmill Stream.	2012	River Adur Conservation Society & Sussex Ouse Conservation Society (Environment Agency)
Physical modification	Habitat enhancement of Andrew's Steam (River Ouse between Isfield and Coast). Outcome: Improved hydromorphology. Better habitat for fish and other wildlife along original course of the Sussex Ouse at Barcombe Mills (ART_39)	River Ouse between Isfield and Coast	2012	River Adur Conservation Society & Sussex Ouse Conservation Society (Environment Agency)

Agriculture and rural land management

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Increase the amount of floodplain woodland by better targeting of the England Woodland Grant Scheme and through partnership projects. Outcome: More woodland in the right locations helps address diffuse pollution, water temperatures in fish spawning grounds, and contributes to flood storage (SE0238)	South East RBD	2012	Forestry Commission (Natural England; Environment Agency)
Physical modification	Restore degraded wetlands in the New Forest to improve the condition of nationally and internationally designated wildlife features, with reference to the New Forest Wetland Management Plan 2006-16. Outcome: No further deterioration in water body status, followed by status improvement (SE0291)	New Forest Catchment	2012	New Forest National Park Authority (Forestry Commission; Environment Agency; Natural England)
Physical modification	Establish a 'Regional Better Rivers Programme' to improve habitat and ecology in a first round of waters. Outcome: Improve ecological status or potential in 35 water bodies totalling 389 km in length (SE0223)	New Forest; Langdown Stream, Beaulieu Abbey Stream, Cadland Stream	2012	Environment Agency (Riparian owners; Developers; Forestry Commission; Natural England; Local Authorities; Environmental NGOs; Countryside Management Service (CMS))

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Identify priorities for second round of 'Regional Better Rivers Programme'. Outcome: Second planning cycle schemes improve habitat and ecology in waters agreed from a pool of 53 candidates totalling 545 km, building on monitoring and lessons from the first round. (SE0233)	<p>Adur & Ouse: Adur (Lancing brook), Adur (Lottbridge), River Adur East (Sakeham), Blakes Gill, R. Adur West, Ouse, Glynde Reach, Ouse from Ardingly Reservoir to Lindfield, Ouse from Slaugham to Ardingly Reservoir, Cockhaise Brook, Tributary of River Uck north of Uckfield, Ouse from Cockhaise Brook confluence to Spithurst, Longford Stream, Scrase Bridge Stream conf to Cockhaise Bk, River Uck at Uckfield, River Ouse between Isfield and Coast</p> <p>Arun & Western Streams; R. Ems, Western Rother (Upstream Petersfield), Bignor Mill Stream, R. Kird, Minsted Stream, Western Rother, Hammer Stream (W. Sussex), Harting Stream, Haslingbourne Stream, R. Arun Source</p> <p>Cuckmere & Pevensey Levels; Nunningham Stream, Cuckmere from Alfriston to Arlington, Cuckmere from Warbleton to Lower Horsebridge, Hugletts Stream, Cuckmere between Arlington and Lower Horsebridge</p>	2015	Environment Agency (Riparian owners; Natural England; Forestry Commission; Developers; Local Authorities; Environmental NGOs; Countryside Management Service (CMS))

Agriculture and rural land management

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Identify priorities for second round of 'Regional Better Rivers Programme'. Outcome: Second planning cycle schemes improve habitat and ecology in waters agreed from a pool of 53 candidates totalling 545 km, building on monitoring and lessons from the first round. (SE0233)	East Hampshire; River Alver, Brownwich Stream, Horton Heath Stream, Potwell Trib, Hook Lake, Hermitage Stream, R. Lavant (Hants), Botleigh Grange/ Hedge End Streams	2015	Environment Agency (Riparian owners; Natural England; Forestry Commission; Developers; Local Authorities; Environmental NGOs; Countryside Management Service (CMS)
Physical modification	Promote and encourage sediment, vegetation and channel maintenance that enhances wildlife habitat and enables land drainage. Outcome: Protect, enhance, restore and retain marginal and in channel habitats. Improve fish movement and connection to floodplain. (SE0268)	Isle of Wight; R. Eastern Yar, R. Medina, Atherfield Stream, Thorley Brook, Rodge Brook, Lukely Brook, Chilton Chine, Walpan Chine, Brook Chine, Brighstone Streams	2012	Environment Agency (Stour Internal Drainage Board; Romney Marshes Internal Drainage Board; Natural England; National Farmers' Union)

Agriculture and rural land management

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Encourage uptake of Voluntary Initiative best practice advice on pesticide use by land managers within the agricultural and amenity sectors (e.g. golf courses, parks, highways, railways). Outcome: Diffuse pesticide pollution reduced through the adoption of best practices. (SE0216)	Rother; Pent Stream	Implemented	Voluntary Initiative Partnership (Environment Agency; Local Authorities)
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Organic pollutants; Nutrients; Sediments (as a direct pollutant)	Establish and maintain local advice led partnerships to improve farm and land management practices, to reduce diffuse pollution from agriculture and amenity. Outcome: Land managers apply best practice land management techniques, to improve water quality impacted upon by diffuse pollution. (SE0224)	Test & Itchen; Pillhill Brook (Source), Westwood Stream, Bow Lake, R. Dever, Sholing Common Streams, R. Dun, Wallop Brook	2011	Environment Agency; Land managers and owners (Natural England; Local Authorities; National Farmers' Union)
Sediments (as a direct pollutant); Organic pollutants	Work with riparian owners to identify and manage areas of bankside erosion from livestock and associated impacts where appropriate. Outcome: Improved land management practices to reduce diffuse pollution in rural areas. (SE0307)	South East RBD	2012	Riparian owners; Environment Agency (Natural England; National Farmers' Union)

Agriculture and rural land management

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Temperature; Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants	Promote good practice and regulate where necessary to ensure sensitive management of fish and water cress farms. Outcome: Fish and watercress farms do not contribute to deterioration in the quality of waters. (SE0269)	South East RBD	Implemented	Environment Agency
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Organic pollutants; Nutrients	Promote the targeted mapping of land drainage discharges (fields, highways, rural roads) to better assess their impact on water quality and adopt appropriate control measures. Outcome: Production of land drainage map to identify and investigate sources of pollutants, and actions put in place to prevent environmental impact. Less diffuse pollution in related waters. (SE0275)	Stour; Little Stour	2012	Environment Agency (South East England Partnership Board; Local Authorities; Land managers and owners; Royal Town Planning Institute; Highways Agency; Natural England)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Ammonia; Nitrate; Hazardous substances and non-hazardous pollutants; Faecal indicator organisms; Priority Substances & Specific Pollutants	Further investigation following pilot study, to assess impacts of different nitrate and pesticide loading rates and applications from chalk farmland on groundwater. Outcome; Improved knowledge, leading to improvements in groundwater quality through better risk management. (SE0228)	Brighton Chalk Block	2012	Environment Agency (Brighton and Hove City Council; Southern Water)
Natura 2000 protected areas and SSSIs				
Abstraction and other artificial flow pressures; Nutrients	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas by revoking or amending abstraction licences (see Annex D) (SE0324)	South East RBD	2012	Environment Agency
Abstraction and other artificial flow pressures; Sediments (as a direct pollutant); Physical modification; Direct biological pressures; Nutrients	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas by implementing agri-environment scheme (see Annex D) (SE0323)	South East RBD	2012	Natural England

Agriculture and rural land management

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Direct biological pressures; Nutrients; Abstraction and other artificial flow pressures; Physical modification	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through SSSI Management Agreement (see Annex D) (SE0336)	South East RBD	2012	Natural England
Physical modification	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through a Flood Management Programme (see Annex D) (SE0326)	South East RBD	2012	Environment Agency
Physical modification; Nutrients; Abstraction and other artificial flow pressures; Sediments (as a direct pollutant)	Contribute to achievement of favourable condition on the River Test SSSI by implementing river restoration project (SE0320)	Test & Itchen Catchment	2011	Natural England; Environment Agency
Physical modification; Sediments (as a direct pollutant); Nutrients	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through the England Catchment Sensitive Farming Initiative (see Annex D) (SE0337)	South East RBD	2012	Natural England
Sediments (as a direct pollutant); Nutrients	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas by revoking or amending discharge/PPC consents (see Annex D) (SE0325)	South East RBD	2012	Environment Agency

C.4 Angling, fisheries and conservation

The South East District supports a rich diversity of wildlife habitats and species including the world famous Test and Itchen chalk streams. As well as having intrinsic importance, biodiversity and fisheries make a really valuable contribution to the quality of people's lives. A high quality environment brings significant social, economic and health benefits. The environment contributes around £8 billion to the South East Region's economy. Anglers' annual expenditure on fishing inland waters in the South East totalled almost £200 million, supporting approximately 4,200 jobs and £100 million of household income.

Biodiversity resource ranges from the huge expanse of the chalk downs to the tiny ram's horn snails. Key habitats include chalk rivers, saltmarsh, mudflat, coastal and floodplain grazing marsh and vegetated shingle. 70% of the coastline is protected by designations. There are 33 Special Areas of Conservation (SACs), 13 Special Protection Areas (SPAs) and 13 Ramsar sites. These coastal sites represent some of the District's most significant European habitats, designated as part of a Europe-wide network of sites necessary to maintain most rare and endangered species, which is particularly important for supporting migratory birds on passage. Biodiversity species and habitats are not confined to designated sites with semi-natural habitats and rivers and streams being important elements within the biodiversity network.

The Region includes some of the most popular and valuable fisheries in the country providing a wealth of fishing opportunities for everyone with over 1000 still waters, 2700 kilometres of main river and more than 250 angling clubs. Over 24 fish species have been recorded which include salmon, sea trout, carp, roach, rudd, pike, eels and perch. Salmon are below their conservation limit and eels are endangered.

The South East of England Biodiversity Forum (SEEBF) is a partnership that has a vision for the South East, where a healthy environment underpins a vibrant economy and quality of life. SEEBF champions biodiversity with national, regional and local organisations. SEEBF has developed a Biodiversity Strategy for the South East which gives an overview of regional biodiversity priorities for the South East and sets regional biodiversity objectives, priorities and targets.

Note that measures relating to commercial fisheries can be found within the Industry, manufacturing, and other business sector.

Table C4: **Actions for the angling and conservation sector**

See next page for action tables

Angling and Conservation

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Angling and Conservation				
National Actions				
Abstraction and other artificial flow pressures	Extension of abstraction control to include previously exempt uses (abstractions by Ports and Harbour authorities from tidal waters under certain conditions likely to remain exempt) (SE0002)	South East RBD	2012	Environment Agency
Abstraction and other artificial flow pressures	Registration for previously exempt activity: abstraction of water within water meadow systems. (SE0001)	South East RBD	2012	Environment Agency
Direct biological pressures; Direct biological pressures	Draw together a database of projects to facilitate better information sharing on non-native invasive species, and increase opportunities for partnership working on this pressure (SE0023)	South East RBD	2012	Central Government
Direct biological pressures; Direct biological pressures	Draw up Individual Species Action Plans for non-native invasive species identified as presenting particular risk levels, to minimise the risks associated with them. (SE0024)	South East RBD	2012	Central Government; Environment Agency
Direct biological pressures; Direct biological pressures	Provide advice and training on identification, control and disposal of invasive non-native species to all relevant groups and encourage monitoring schemes. (SE0031)	South East RBD	2012	Central Government; Environment Agency
Direct biological pressures; Direct biological pressures	Develop a national early warning system with contingencies for rapid response control measures to eradicate new non-native invasive species (SE0021)	South East RBD	2012	Central Government

Angling and Conservation

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Direct biological pressures; Direct biological pressures	Work to raise awareness of the of the risks of transferring invasive non-native species to the wild, amongst the public and target groups. (SE0037)	South East RBD	2010	Central Government
Direct biological pressures; Direct biological pressures	Contribute to the development of any EU level initiatives to improve legislation and controls relating to invasive non-native species. (SE0019)	South East RBD	2012	Central Government
Direct biological pressures; Direct biological pressures	Control and eradication of topmouth gudgeon (<i>Pseudorasbora parva</i>) and water primrose (<i>Ludwigia grandiflora</i>) at selected sites (SE0020)	South East RBD	2012	Central Government; Environment Agency
Direct biological pressures; Direct biological pressures	Support established local fora for invasive non-native species, by providing advice and guidance and support control actions. (SE0035)	South East RBD	2012	Central Government; Environment Agency
Direct biological pressures; Direct biological pressures	Set up and maintain a website that acts as a 'one stop shop' for information and advice on invasive non-native species. (SE0034)	South East RBD	Implemented	Central Government
Direct biological pressures; Direct biological pressures	Implement the water related actions of the Invasive Non Native Species Framework Action Plan for Great Britain (SE0027)	South East RBD	2012	Defra; Environment Agency (Local Authorities; Fisheries and Angling Interests)

Angling and Conservation

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Direct biological pressures; Direct biological pressures	Establish National Invasive Non-Native Species Forums to plan, prioritise and coordinate action (SE0026)	South East RBD	Implemented	Central Government
Direct biological pressures; Direct biological pressures	Establish a central repository for holding data on invasive non-native species distribution. (SE0025)	South East RBD	2012	Central Government
Direct biological pressures; Direct biological pressures	Develop and implement codes of practice to reduce the spread of invasive non-native species (SE0022)	South East RBD	2012	Central Government; Environment Agency
Physical modification	Plans, processes and programmes (such as the Environment Agency Navigation and Recreation strategies) will be aligned to the requirements of hydromorphology to achieve Water Framework Directive objectives (especially ecological potential). This will be two fold: i) Mitigation measures required to reach good ecological potential will be identified in and delivered through such plans, and ii) the prioritisation of environmental improvements will be influenced by the specific requirements to reach Water Framework Directive objectives. (SE0145)	South East RBD	Implemented	Environment Agency
Physical modification	A central spatially-enabled hydromorphological database will be created, this will provide a system that will quickly and reliably, supply data to better understand hydromorphological impacts of modifications to water bodies. it will be used to provide available hydromorphological data as an input into the approval/assessment processes for new physical modifications to ensure compliance with Water Framework Directive requirements, especially those related to Article 4(7). (SE0117)	South East RBD	2010	Environment Agency

Angling and Conservation

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Monitoring and investigation into mitigation measures techniques, to establish their effectiveness and improve understanding of hydromorphological and ecological interactions. The outcomes from this work will be applied nationally. (SE0143)	South East RBD	2011	Environment Agency
Physical modification	Monitoring and investigation of the effectiveness of river restoration work undertaken at Shopham Loop, on the long term sustainability of the catchment. (SE0144)	Arun & Western Streams Catchment	2010	Environment Agency
Physical modification; Abstraction and other artificial flow pressures; Direct biological pressures; Direct biological pressures	Investigate then implement actions in the sea trout and salmon action plans, in order to contribute to good status waters (SE0038)	South East RBD	2012	Environment Agency (Fisheries and Angling Interests)
Local Actions				
Abstraction and other artificial flow pressures	Encourage all rural businesses to adopt water efficiency measures, such as rainwater harvesting and recycling and use of storage reservoirs to support summer irrigation. Outcome: There is enough water for people, their businesses and the environment. (SE0213)	Isle of Wight Catchment; Rother Catchment; Stour Catchment; Arun & Western Streams Catchment	2012	Environment Agency; Central Government (Abstractors; Business and Industry)

Angling and Conservation

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Direct biological pressures; Direct biological pressures	Contain and control invasive non-native species at priority sites through partnership working. Agree sites and action with the South East England Non-Native Invasive Species Action Group. Outcome: Spread of problem invasive species stopped and reversed, protecting important nationally and internationally designated habitats under threat from this pressure (SE0201)	New Forest Catchment; Arun & Western Streams Catchment; Cuckmere & Pevensey Levels Catchment; Test & Itchen Catchment;	2012	Natural England; Environment Agency (Riparian owners; Land managers and owners; Forestry Commission; Local Authorities; Environmental NGOs)
Direct biological pressures; Direct biological pressures	Develop joint working between the Sea Fisheries Committees, Inshore Fisheries and Conservation Authorities and the Environment Agency on the collection of inshore data. Outcome: Improved understanding of pressures in the marine environment to enable better targeting and development of actions. (SE0207)	South East RBD	2012	Inshore Fisheries and Conservation Authorities; Environment Agency (Natural England; Local Authorities; Non-Governmental Organisations)

Angling and Conservation

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Direct biological pressures; Physical modification	Produce code of conduct for commercial fisheries and sea anglers to protect marine sites of nature conservation importance. Outcome: Marine sites of nature conservation importance are protected from damage by fishing activities. (SE0267)	Sussex; Sussex East; Isle of Wight East coastal water bodies	2012	Sussex Inshore Fisheries and Conservation Authority (Environment Agency; Natural England; Local Authorities; Non-Governmental Organisations)
Nutrients	Downs and Harbours Clean Waters Partnership to design and implement a strategy to tackle diffuse pollution in the Solent and groundwater in the South Downs. Outcome: Meet targets for key Sites of Special Scientific Interest, help address wider water quality issues and reverse nitrate trends in potable groundwater sources (SE0209)	East Hampshire Catchment; Arun & Western Streams Catchment	Implemented	Natural England; Environment Agency (Portsmouth Water)

Angling and Conservation

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Microbiology; Organic pollutants; Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants	Influence Town and Country Planning Act authorisation process to help minimise risk of diffuse pollution from new developments (e.g. implement SUDs and use of Water Resource Act Planning Guidance). Outcome; Improved groundwater and surface water quality. (SE0239)	South East RBD	Implemented	Local Authorities; Environment Agency
Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant)	Implementation of the Ashford Water Cycle Strategy (2006 - 2031) to ensure growth in Ashford does not compromise environmental capacity and quality. The first Water Action Plan (2006 - 2011) will focus on sustainable drainage systems, water efficiency, water quality of the River Stour and its tributaries, and water supply and wastewater infrastructure. Outcome: Improvements in water quality and supply as a result of growth in Ashford, contributing to achieving good status. (SE0236)	East Stour	Implemented	Ashford's Future (Environment Agency)

Angling and Conservation

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant)	A pilot project to incorporate water body information into Environmental Stewardship targeting guidance for the South Downs. Outcome: Reduced diffuse pollution from agriculture within at risk water bodies, and extend approach as applicable to other catchments. (SE0192)	East Hampshire Catchment; Cuckmere & Pevensey Levels ; Adur & Ouse ; Arun & Western Streams	2012	Natural England; Environment Agency
Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants	Promote the 'Angler's Monitoring Initiative' to assess the status of river health. Outcome: Improve understanding of invertebrate populations, to help identify and understand environmental pressures (SE0273)	South East RBD	2012	Salmon and Trout Association; Fisheries and Angling Interests (Natural History Museum; Environment Agency)

Angling and Conservation

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Nutrients	Pollution prevention advice and local campaigns to provide targeted advice and enforcement in high risk areas on all rural diffuse pollution issues: farm and land management, domestic oil storage, septic tanks. Outcome: Diffuse pollution reduced through the adoption of best practices (SE0261)	South East RBD	Implemented	Environment Agency; Natural England (Local Authorities; Local industry associations)
Physical modification	Reinstatement of gravel bed substrate where appropriate within 11 waterbodies in the Adur and Ouse catchment. Outcome: Improved hydromorphology. Better habitat for spawning and juvenile sea trout. (ART_25)	Adur & Ouse: Bevern Stream, Northend Stream at Cooksbridge, Longford Stream, Shortbridge Stream, Ridgewood Stream, Little Horsted Stream, Woodsmill Stream, Chess Stream, Herrings Stream, Black Sewer, Adur (Lancing brook).	2012	River Adur Conservation Society & Sussex Ouse Conservation Society (Environment Agency)
Physical modification	Address obstructions to fish passage where appropriate within 5 waterbodies in the Adur and Ouse catchment. Outcome: Improved freedom of upstream and downstream movement of eels, sea trout and other fish. (ART_26)	Adur & Ouse: Northend Stream, Shortbridge Stream, Herrings Stream, Black Sewer, Woodsmill Stream.	2012	River Adur Conservation Society & Sussex Ouse Conservation Society (Environment Agency)

Angling and Conservation

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Habitat enhancement of Andrew's Steam (River Ouse between Isfield and Coast). Outcome: Improved hydromorphology. Better habitat for fish and other wildlife along original course of the Sussex Ouse at Barcombe Mills (ART_39)	River Ouse between Isfield and Coast	2012	River Adur Conservation Society & Sussex Ouse Conservation Society (Environment Agency)
Physical modification	Implement the 'Regional fish passage programme'. Outcome: All physical obstructions identified and prioritised. 25 obstructions addressed in the first plan, including Chartham Mill R.Stour, Efford Mill Avon Water, Tichfield Mill Meon, Durngate Itchen, Funtley Meon, Woodmill Itchen, Bishopstoke Mill Itchen, Woodsmill Stream Adur, Wineham Bridge Adur (SE0235)	Adur & Ouse; Woodsmill Stream, River Adur East (Sakeham) East Hampshire; R. Meon New Forest; Avon Water Stour; North and South Streams at Eastry Test & Itchen; River Itchen	2012	Environment Agency (Ouse and Adur Rivers Trusts; South Downs Joint Committee; Angling Trusts; Land managers and owners; Fisheries and Angling Interests)
Physical modification	Increase the amount of floodplain woodland by better targeting of the England Woodland Grant Scheme and through partnership projects. Outcome: More woodland in the right locations helps address diffuse pollution, water temperatures in fish spawning grounds, and contributes to flood storage (SE0238)	South East RBD	2012	Forestry Commission (Natural England; Environment Agency)

Angling and Conservation

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Restore degraded wetlands in the New Forest to improve the condition of nationally and internationally designated wildlife features, with reference to the New Forest Wetland Management Plan 2006-16. Outcome: No further deterioration in water body status, followed by status improvement (SE0291)	New Forest Catchment	2012	New Forest National Park Authority (Forestry Commission; Environment Agency; Natural England)
Physical modification	Identify priorities for second round of 'Regional Better Rivers Programme'. Outcome: Second planning cycle schemes improve habitat and ecology in waters agreed from a pool of 53 candidates totalling 545 km, building on monitoring and lessons from the first round. (SE0233)	Cuckmere & Pevensey Levels; Nunningham Stream, Cuckmere from Alfriston to Arlington, Cuckmere from Warbleton to Lower Horsebridge, Hugletts Stream, Cuckmere between Arlington and Lower Horsebridge East Hampshire; River Alver, Brownwich Stream, Horton Heath Stream, Potwell Trib, Hook Lake, Hermitage Stream, R. Lavant (Hants), Botleigh Grange/ Hedge End Streams Isle of Wight; R. Eastern Yar, R. Medina, Atherfield Stream, Thorley Brook, Rodge Brook, Lukely Brook, Chilton Chine, Walpan Chine, Brook Chine, Brighstone Streams New Forest; Langdown Stream, Beaulieu Abbey Stream, Cadland Stream Rother; Pent Stream Stour; Little Stour Test & Itchen; Pillhill Brook (Source), Westwood Stream, Bow Lake, R. Dever, Sholing Common Streams, R. Dun, Wallop Brook	2015	Environment Agency (Riparian owners; Natural England; Forestry Commission; Developers; Local Authorities; Environmental NGOs; Countryside Management Service (CMS)

Angling and Conservation

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Promote and encourage sediment, vegetation and channel maintenance that enhances wildlife habitat and enables land drainage. Outcome: Protect, enhance, restore and retain marginal and in channel habitats. Improve fish movement and connection to floodplain. (SE0268)	South East RBD	2012	Environment Agency (Stour Internal Drainage Board; Romney Marshes Internal Drainage Board; Natural England; National Farmers' Union)
Physical modification	Establish a 'Regional Better Rivers Programme' to improve habitat and ecology in a first round of waters. Outcome: Improve ecological status or potential in 35 water bodies totalling 389 km in length (SE0223)	Test & Itchen; Monks Brook, Arle - Upstream of Drove Lane, River Blackwater, R. Test (Middle), R. Test (Middle), R. Test (Upper), River Itchen, R. Alre, R. Alre, R. Test, Tanner's Brook, Fairbourne Stream to Fishlake Meadows, Test (Lower), Test (Lower), Test (Upper), River Test, Candover Brook Adur & Ouse; Adur (Knepp) Stour; Upper Dour at Temple Ewell, North and South Streams in the Lydden Valley, Upper Great Stour, Dour from Kearsney to Dover New Forest; Bartley Water	2012	Environment Agency (Riparian owners; Developers; Forestry Commission; Natural England; Local Authorities; Environmental NGOs; Countryside Management Service (CMS))

Angling and Conservation

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Identify priorities for second round of 'Regional Better Rivers Programme'. Outcome: Second planning cycle schemes improve habitat and ecology in waters agreed from a pool of 53 candidates totalling 545 km, building on monitoring and lessons from the first round. (SE0233)	Adur & Ouse: Adur (Lancing brook), Adur (Lottbridge), River Adur East (Sakeham), Blakes Gill, R. Adur West, Ouse, Glynde Reach, Ouse from Ardingly Reservoir to Lindfield, Ouse from Slaugham to Ardingly Reservoir, Cockhaise Brook, Tributary of River Uck north of Uckfield, Ouse from Cockhaise Brook confluence to Spithurst, Longford Stream, Scrase Bridge Stream conf to Cockhaise Bk, River Uck at Uckfield, River Ouse between Isfield and Coast Arun & Western Streams; R. Ems, Western Rother (Upstream Petersfield), Bignor Mill Stream, R. Kird, Minsted Stream, Western Rother, Hammer Stream (W. Sussex), Harting Stream, Haslingbourne Stream, R. Arun Source	2015	Environment Agency (Riparian owners; Natural England; Forestry Commission; Developers; Local Authorities; Environmental NGOs; Countryside Management Service (CMS)
Physical modification; Direct biological pressures	Promote the relationship between healthy marine ecosystems and productive sustainable fish stocks and complete the UK Inshore Fisheries Sustainability Project. Outcome: All significant fisheries examined in accordance with Marine Stewardship Council assessment principles. Local management plan developed that would result in fisheries working toward a status of MSC certified if desired. (SE0274)	South East RBD	2012	Sussex Sea Fisheries Committee (Marine Stewardship Council; Shellfish Association of Great Britain; Inshore Fisheries and Conservation Authorities)

Angling and Conservation

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Encourage uptake of Voluntary Initiative best practice advice on pesticide use by land managers within the agricultural and amenity sectors (e.g. golf courses, parks, highways, railways). Outcome: Diffuse pesticide pollution reduced through the adoption of best practices. (SE0216)	South East RBD	Implemented	Voluntary Initiative Partnership (Environment Agency; Local Authorities)
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Organic pollutants; Nutrients; Sediments (as a direct pollutant)	Establish and maintain local advice led partnerships to improve farm and land management practices, to reduce diffuse pollution from agriculture and amenity. Outcome: Land managers apply best practice land management techniques, to improve water quality impacted upon by diffuse pollution. (SE0224)	Adur & Ouse; Herrings Stream , Little Horsted Stream , Ouse from Ardingly Reservoir to Lindfield , Ouse from Cockhaise Brook confluence to Spithurst , Pellingford Brook , R. Adur East , Ridgewood Stream , River Adur East (Sakeham) , River Ouse between Isfield and Coast , Tickerage Stream Arun & Western Streams; Loxwood Stream Cuckmere & Pevensey Levels: Cuckmere from Warbleton to Lower Horsebridge, Hugletts Stream, Wick Street Stream at Upper Dicker	2011	Environment Agency; Land managers and owners (Natural England; Local Authorities; National Farmers' Union)
Sediments (as a direct pollutant); Organic pollutants	Work with riparian owners to identify and manage areas of bankside erosion from livestock and associated impacts where appropriate. Outcome: Improved land management practices to reduce diffuse pollution in rural areas. (SE0307)	South East RBD	2012	Riparian owners; Environment Agency (Natural England; National Farmers' Union)

Angling and Conservation

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Temperature; Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants	Promote good practice and regulate where necessary to ensure sensitive management of fish and water cress farms. Outcome: Fish and watercress farms do not contribute to deterioration in the quality of waters. (SE0269)	South East RBD	Implemented	Environment Agency
Physical modification	Investigate the need to screen intakes and discharges to prevent loss or damage to fish populations. Ensure screening on priority sites. Outcome: Screen intakes and discharges so as to contribute to the achievement of good ecological status. (SE0243)	South East RBD	2012	Environment Agency (Fisheries and Angling Interests; Land managers and owners; Water companies)

Angling and Conservation

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification; Direct biological pressures	Investigate and where appropriate manage physical impacts of commercial inshore fisheries to improve marine biodiversity and fisheries productivity, through the Sensitive Area Management Plan for the Sussex coast. Outcome: Identify, designate and manage specific sites within the Sussex Sea Fisheries Committee District. It is intended that subject to changes in policy, these actions will be progressed by the relevant Inshore Fisheries and Conservation Authority, and support the process of Marine Conservation Zone designation in the Eastern Channel (SE0241)	Sussex; Sussex East; Isle of Wight East coastal water bodies	2012	Sussex Inshore Fisheries and Conservation Authority (Environment Agency; Natural England; Local Authorities; Non-Governmental Organisations)
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Direct biological pressures; Microbiology	Investigation into Endocrine Disruptors. Outcome: To understand their impact and put into place appropriate measures. (SE0244)	South East RBD	Implemented	Environment Agency

C.5 Central government

Defra (Department for Environment, Food and Rural Affairs) is a UK Government Department and is responsible for the Water Framework Directive in England. Defra champions sustainable development, and helps Government as a whole to deliver economic, social and environmental sustainability. Defra is also the focal point for rural policy. Defra has several delivery partners that have important actions in the River Basin Management Plan, including the following:

- Marine and Fisheries Agency
- Centre for the Environment, Fisheries and Aquaculture Science (CEFAS)
- Rural Payments Agency
- Environment Agency (see separate section)
- Forestry Commission
- National Park Authorities

Other Government Departments

- Department of Communities and Local Government (CLG)
- Office of Government Commerce (OGC) - an independent office of HM Treasury
- Health and Safety Executive (part of the Department of Work and Pensions), which includes the Pesticides Safety Directorate
- Highways Agency (part of Ministry for Transport)
- Defence Estates (part of Ministry of Defence)

The Crown Estate is a government organisation with a property portfolio encompassing many of the UK's cityscapes, ancient forests, farms, parkland, coastline and communities. It has an important role as influencer, manager, guardian and facilitator. Working in partnership with others, the Crown Estate enables and nurtures productive commercial opportunities, protects vulnerable environments, and enables social integration.

Table C5: **Actions for Central Government**

See next page for action tables

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Central Government				
National Actions				
Aldrin, Atrazine, Diuron, 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. (DrWPA0038)	Little Stour	2010	Central Government; Environment Agency
Carbetamide, Dalapon	Further monitoring to confirm risk of failure of WFD Article 7 (DrWPA0035)	Darwell Reservoir	2010	Environment Agency; Water companies
Chlortoluron	Re-direct existing CSF resource to address issue. (DrWPA0033)	Test (Lower)	2010	Natural England
Direct biological pressures; Direct biological pressures	Make appropriate use of existing legislative powers e.g. prohibit the sale of high-risk species; Salmon and freshwater fish act (S30); Import of live fish act; Wildlife and Countryside Act 1981; Environment Agency Fisheries byelaws; Convention on biological diversity; NERC Act; Habitats Directive; IMO convention on ballast water) (SE0030)	South East RBD	2012	Central Government; Environment Agency
Direct biological pressures; Direct biological pressures	Contribute to the development of any EU level initiatives to improve legislation and controls relating to invasive non-native species. (SE0019)	South East RBD	2012	Central Government

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Direct biological pressures; Direct biological pressures	Increase awareness of the importance of the 'preventative approach' in addressing the threats posed by invasive non-native species. This would include 'horizon scanning' for new potentially invasive species. (SE0028)	South East RBD	2010	Central Government
Direct biological pressures; Direct biological pressures	Draw together a database of projects to facilitate better information sharing on non-native invasive species, and increase opportunities for partnership working on this pressure (SE0023)	South East RBD	2012	Central Government
Direct biological pressures; Direct biological pressures	Draw up Individual Species Action Plans for non-native invasive species identified as presenting particular risk levels, to minimise the risks associated with them. (SE0024)	South East RBD	2012	Central Government; Environment Agency
Direct biological pressures; Direct biological pressures	Provide advice and training on identification, control and disposal of invasive non-native species to all relevant groups and encourage monitoring schemes. (SE0031)	South East RBD	2012	Central Government; Environment Agency
Direct biological pressures; Direct biological pressures	Undertake risk assessments to identify priority invasive species for mitigation and control action, both nationally and across Great Britain. (SE0036)	South East RBD	2012	Central Government

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Direct biological pressures; Direct biological pressures	Develop a national early warning system with contingencies for rapid response control measures to eradicate new non-native invasive species (SE0021)	South East RBD	2012	Central Government
Direct biological pressures; Direct biological pressures	Work to raise awareness of the of the risks of transferring invasive non-native species to the wild, amongst the public and target groups. (SE0037)	South East RBD	2010	Central Government
Direct biological pressures; Direct biological pressures	Seek sustainable and cost-effective methods for managing established invasions, such as biological control (SE0033)	South East RBD	2012	Central Government; Environment Agency
Direct biological pressures; Direct biological pressures	Control and eradication of topmouth gudgeon (<i>Pseudorasbora parva</i>) and water primrose (<i>Ludwigia grandiflora</i>) at selected sites (SE0020)	South East RBD	2012	Central Government; Environment Agency
Direct biological pressures; Direct biological pressures	Support established local fora for invasive non-native species, by providing advice and guidance and support control actions. (SE0035)	South East RBD	2012	Central Government; Environment Agency

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Direct biological pressures; Direct biological pressures	Set up and maintain a website that acts as a 'one stop shop' for information and advice on invasive non-native species. (SE0034)	South East RBD	Implemented	Central Government
Direct biological pressures; Direct biological pressures	Implement the water related actions of the Invasive Non Native Species Framework Action Plan for Great Britain (SE0027)	South East RBD	2012	Defra; Environment Agency (Local Authorities; Fisheries and Angling Interests)
Direct biological pressures; Direct biological pressures	Establish National Invasive Non-Native Species Forums to plan, prioritise and coordinate action (SE0026)	South East RBD	Implemented	Central Government
Direct biological pressures; Direct biological pressures	Develop and implement codes of practice to reduce the spread of invasive non-native species (SE0022)	South East RBD	2012	Central Government; Environment Agency
Direct biological pressures; Direct biological pressures	Establish a central repository for holding data on invasive non-native species distribution. (SE0025)	South East RBD	2012	Central Government

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Direct biological pressures; Direct biological pressures	Integrate invasive non-native species control measures across all policy areas (SE0029)	South East RBD	2012	Central Government; Environment Agency
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Groundwater protection advice to Chemicals Regulation Directorate (formerly the Pesticides Safety Directorate) approvals process (SE0166)	South East RBD	Implemented	Central Government; Environment Agency
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Support to Chemicals Regulation Directorate (formerly the Pesticides Safety Directorate) research into amenity use of pesticides (SE0063)	South East RBD	Implemented	Central Government

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Follow the SUDS (sustainable drainage systems) Interim Code of Practice - comply with published advice for operators (SE0168)	South East RBD	Implemented	Industry leads
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Groundwater protection advice to Veterinary Medicines Directorate products approvals process (SE0154)	South East RBD	Implemented	Central Government
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	New EC Sustainable Use of Pesticides Directive to control use of Plant Protection Products (SE0169)	South East RBD	2012	Central Government
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. (DrWPA0034)	Test (Lower)	2010	Central Government; Environment Agency

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
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. (DrWPA0037)	Darwell Reservoir	2010	Central Government; Environment Agency
Microbiology; Nutrients; Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants; Organic pollutants	Maintain a nationally funded advice-led partnership under the England Catchment Sensitive Farming Initiative to reduce diffuse water pollution from agriculture in at risk catchments and promote sustainable farming practice. (SE0070)	Chichester-Worthing-Portsdown Chalk; East Hants Chalk; IOW Central Downs Chalk; IOW Southern Downs Chalk; Kent Isle of Thanet Chalk; Littlehampton Anticline East; Isle of Wight Catchment; Rother Catchment; Stour Catchment; Test & Itchen Catchment ; Arun & Western Streams Catchment	Implemented	Natural England; Environment Agency

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Microbiology; Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants; Nutrients; Organic	Progress delivery of cross-compliance inspection and enforcement (SE0071)	South East RBD	2010	Environment Agency (Defra; Rural Payments Agency)
Nitrate	Sludge Regulations - comply with published advice to operators (SE0077)	South East RBD	Implemented	Environment Agency; Water companies
Nitrate	Sludge Regulations - monitoring and enforcement (SE0078)	South East RBD	Implemented	Environment Agency; Water companies

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nitrate; Ammonia; Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Establish further the nationally funded advice-led partnership under the England Catchment Sensitive Farming Initiative to reduce diffuse water pollution from agriculture in at risk catchments and promote sustainable farming practice. (SE0085)	South East RBD	2012	Natural England; Environment Agency
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Agri-environment schemes/ Environmental Stewardship - payments for best practice to limit nitrate input and control agric-chemicals (SE0173)	South East RBD	Implemented	Land managers and owners

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	PR09 – Water Company spending review. Water Framework Directive specific obligations (SE0082)	South East RBD	2012	Central Government
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	PR04 – Water Company spending review (SE0088)	South East RBD	Implemented	Central Government
Nutrients	Establish and enforce Nitrate Vulnerable Zones in catchments at a high risk from nitrate pollution, requiring farmers to follow a programme of measures to reduce nitrate entering the water from farmland. (see map D6 in annex D) (SE0090)	South East RBD	Implemented	Defra; Environment Agency

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Acidification; Microbiology; Organic pollutants; Physical modification; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant); Direct biological pressures; Direct biological pressures	Where appropriate, subject to the Environment Agency carrying out a 12 week public consultation and making an appropriate case to the Secretary of State, designate a limited number of Water Protection Zones. Regulatory tool to control diffuse pollution in high risk areas where other mechanisms are not working or are unlikely to work Initially around 8 candidate locations across England. Potential for designation from 2010 with possibility of further WPZs by 2012	South East RBD	2012	Environment Agency
Physical modification	Plans, processes and programmes (such as the Environment Agency Navigation and Recreation strategies) will be aligned to the requirements of hydromorphology to achieve Water Framework Directive objectives (especially ecological potential). This will be two fold: i) Mitigation measures required to reach good ecological potential will be identified in and delivered through such plans, and ii) the prioritisation of environmental improvements will be influenced by the specific requirements to reach Water Framework Directive objectives. (SE0145)	South East RBD	Implemented	Environment Agency

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	A central spatially-enabled hydromorphological database will be created, this will provide a system that will quickly and reliably, supply data to better understand hydromorphological impacts of modifications to water bodies. it will be used to provide available hydromorphological data as an input into the approval/assessment processes for new physical modifications to ensure compliance with Water Framework Directive requirements, especially those related to Article 4(7). (SE0117)	South East RBD	2010	Environment Agency
Physical modification; Direct biological pressures; Direct biological pressures	Support the process of Marine Conservation Zone designation within inshore areas in the Eastern English channel. Outcome: A coherent network of Marine Protected Areas within the Eastern Channel. (SE0039)	South East RBD	2012	Natural England; Sea Fisheries Committee; Shellfish Association of Great Britain; Marine Stewardship Council; Balanced Seas; Inshore Fisheries and Conservation Authorities

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
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) (SE0181)	Adur; Arun; Beaulieu River; Bembridge Harbour Lagoon; Black Water Lagoons; Chichester Harbour; Chichester Harbour East; Cuckmere; Eastern Yar; Great Deep; Isle Of Wight East; Kent North; Kent South ; Langstone Harbour; Langstone Oysterbeds; Lymington; Medina; Newtown River; Old Mill Ponds; Ouse; Pagham Harbour; Pagham Lagoon; Portsmouth Harbour; Rother; Solent; Southampton Water; Sowley Marsh; Stour (Kent); Sussex; Sussex East; Ternery Pool; Wallington; Western Yar; Whitstable Bay; Wootton Creek	2012	Marine and Fisheries Agency; Defra
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Apply national guidance framework on dredging to refine local measures as appropriate (where not disproportionately costly or technically infeasible) (SE0182)	Adur; Arun; Beaulieu River; Bembridge Harbour Lagoon; Black Water Lagoons; Chichester Harbour; Chichester Harbour East; Cuckmere; Eastern Yar; Great Deep; Isle Of Wight East; Kent North; Kent South ; Langstone Harbour; Langstone Oysterbeds; Lymington; Medina; Newtown River; Old Mill Ponds; Ouse; Pagham Harbour; Pagham Lagoon; Portsmouth Harbour; Rother; Solent; Southampton Water; Sowley Marsh; Stour (Kent); Sussex; Sussex East; Ternery Pool; Wallington; Western Yar; Whitstable Bay; Wootton Creek	2012	Marine and Fisheries Agency; Defra

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Sediments (as a direct pollutant); Microbiology; Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants	Progress the Entry Level Stewardship Scheme offering farmers an incentive to achieve environmental benefits on agricultural land. Entry Level Stewardship is open to all those farming in England and aims to reward good land management and address some of the environmental issues affecting the wider countryside including diffuse pollution, soil erosion and the conservation of farmland birds (SE0179)	South East RBD	Implemented	Natural England (Defra)
Sediments (as a direct pollutant); Microbiology; Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants	Maintain the Higher Level Stewardship Scheme offering farmers an incentive to achieve environmental benefits over and above those required under the Entry Level Stewardship Scheme. Higher Level Stewardship is targeted by Natural England to maximise environmental and other public benefits in targeted areas within the River Basin District (SE0178)	South East RBD	Implemented	Defra (Natural England)

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Develop national guidance framework on disposal of dredgings to inform Programme of Measures to meet Water Framework Directive objectives (SE0183)	Adur; Arun; Beaulieu River; Bembridge Harbour Lagoon; Black Water Lagoons; Chichester Harbour; Chichester Harbour East; Cuckmere; Eastern Yar; Great Deep; Isle Of Wight East; Kent North; Kent South ; Langstone Harbour; Langstone Oysterbeds; Lymington; Medina; Newtown River; Old Mill Ponds; Ouse; Pagham Harbour; Pagham Lagoon; Portsmouth Harbour; Rother; Solent; Southampton Water; Sowley Marsh; Stour (Kent); Sussex; Sussex East; Ternery Pool; Wallington; Western Yar; Whitstable Bay; Wootton Creek	2010	Defra
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Develop national guidance framework on dredging to inform Programme of Measures to meet Water Framework Directive objectives (SE0184)	Adur; Arun; Beaulieu River; Bembridge Harbour Lagoon; Black Water Lagoons; Chichester Harbour; Chichester Harbour East; Cuckmere; Eastern Yar; Great Deep; Isle Of Wight East; Kent North; Kent South ; Langstone Harbour; Langstone Oysterbeds; Lymington; Medina; Newtown River; Old Mill Ponds; Ouse; Pagham Harbour; Pagham Lagoon; Portsmouth Harbour; Rother; Solent; Southampton Water; Sowley Marsh; Stour (Kent); Sussex; Sussex East; Ternery Pool; ; Wallington; Western Yar; Whitstable Bay; Wootton Creek	2010	Defra
Physical modification	Monitoring and investigation into mitigation measures techniques, to establish their effectiveness and improve understanding of hydromorphological and ecological interactions. The outcomes from this work will be applied nationally. (SE0143)	South East RBD	2011	Environment Agency

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Monitoring and investigation of the effectiveness of river restoration work undertaken at Shopham Loop, on the long term sustainability of the catchment. (SE0144)	Arun & Western Streams Catchment	2010	Environment Agency
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Highways Agency Programme to investigate soakaways (SE0060)	South East RBD	Implemented	Highways Agency
Local Actions				
Abstraction and other artificial flow pressures	Ensure that local spatial plans include policies to secure developer contributions for retrofitting water efficiency measures in existing housing stock, in water stressed areas. Outcome: From 2011 adopted local spatial plans, such as Area Action Plans and Supplementary Planning Documents, include policies to seek Section 106 monies (and Community Infrastructure Levy contributions where relevant) for the retrofitting of existing housing stock in water stressed areas. This will reduce the pressure of increased abstraction on the environment. (SE0220)	South East RBD	2011	Local Authorities (Environment Agency; South East England Partnership Board)

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures	Ensure that local spatial planning policies for new development set out strong requirements for water efficiency measures. Outcome: Adopted Development Plan Documents include policies on (i) water efficiency measures for new development that seek to achieve Code for Sustainable Homes Level 3 and 4 (105 litres a day per capita consumption) as a minimum, and (ii) water efficiency measures for business and commercial developments (such as rainwater harvesting and recycling). (SE0219)	South East RBD	2012	Local Authorities (Environment Agency; Land managers and owners; South East England Partnership Board)
Abstraction and other artificial flow pressures	Develop and provide approved sustainable water management planning guidance to ensure that the impacts of development on the water environment are fully understood. Outcome: Produce planning guidance in partnership with Royal Town Planning Institute on the obligations of the Water Framework Directive and Spatial Planning. Deliver a series of updated seminars in association with key partners for planners. (SE0206)	South East RBD	2012	Environment Agency (Department for Communities and Local Government; Royal Town Planning Institute; Natural England; South East England Partnership Board)

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures	Develop and provide approved planning guidance to ensure that the impacts of development on the water environment are fully understood. Outcome: Produce planning guidance in partnership with Royal Town Planning Institute on the obligations of the Water Framework Directive and Spatial Planning. Deliver a series of updated seminars in association with key partners for planners. (SE0205)	South East RBD	2012	Environment Agency (Department for Communities and Local Government; Royal Town Planning Institute; Natural England; South East England Partnership)
Abstraction and other artificial flow pressures	Reduction of demand through offering of tax incentives (enhanced Capital Allowances) for the purchase and use of efficient plant and fittings by commercial organisations. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0286)	South East RBD	Implemented	Defra; HM Revenue and Customs
Abstraction and other artificial flow pressures	Promote water recycling and rainwater harvesting where cost-effective, appropriate and used together with other demand management measures. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0277)	South East RBD	2012	Environment Agency (Central Government; Water companies; South East England Development Agency)

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures	Reduction of demand through labelling scheme for water efficient products. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0285)	South East RBD	2012	Defra; Industry leads
Abstraction and other artificial flow pressures	Quantify environmental flow requirements for ditches. Outcome: Delivery of Rother Catchment Abstraction Strategy actions to address the over-abstracted status of Walland Marsh (SE0279)	Rother	2010	Natural England; Environment Agency
Abstraction and other artificial flow pressures; Nutrients	Ensure that Green Infrastructure Strategies maximise potential benefits for water resources, water quality, drainage and flood risk management. Outcome: From 2010 all adopted Local Development Documents include Green Infrastructure Strategies, including sustainable water management. (SE0217)	South East RBD	Implemented	Local Authorities; Environment Agency

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Direct biological pressures; Direct biological pressures	Contain and control invasive non-native species at priority sites through partnership working. Agree sites and action with the South East England Non-Native Invasive Species Action Group. Outcome: Spread of problem invasive species stopped and reversed, protecting important nationally and internationally designated habitats under threat from this pressure (SE0201)	New Forest Catchment; Arun & Western Streams ; Cuckmere & Pevensey Levels ; Test & Itchen	2012	Natural England; Environment Agency (Riparian owners; Land managers and owners; Forestry Commission; Local Authorities; Environmental NGOs)
Direct biological pressures; Direct biological pressures	Develop joint working between the Sea Fisheries Committees, Inshore Fisheries and Conservation Authorities and the Environment Agency on the collection of inshore data. Outcome: Improved understanding of pressures in the marine environment to enable better targeting and development of actions. (SE0207)	South East RBD	2012	Inshore Fisheries and Conservation Authorities; Environment Agency (Natural England; Local Authorities; Non-Governmental Organisations)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Direct biological pressures; Physical modification	Produce code of conduct for commercial fisheries and sea anglers to protect marine sites of nature conservation importance. Outcome: Marine sites of nature conservation importance are protected from damage by fishing activities. (SE0267)	Sussex; Sussex East; Isle of Wight East coastal water bodies	2012	Sussex Inshore Fisheries and Conservation Authority (Environment Agency; Natural England; Local Authorities; Non-Governmental Organisations)
Nutrients	Downs and Harbours Clean Waters Partnership to design and implement a strategy to tackle diffuse pollution in the Solent and groundwater in the South Downs. Outcome: Meet targets for key Sites of Special Scientific Interest, help address wider water quality issues and reverse nitrate trends in potable groundwater sources (SE0209)	East Hampshire Catchment; Arun & Western Streams Catchment	Implemented	Natural England; Environment Agency (Portsmouth Water)

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Microbiology; Organic pollutants; Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants	Influence Town and Country Planning Act authorisation process to help minimise risk of diffuse pollution from new developments (e.g. implement SUDs and use of Water Resource Act Planning Guidance). Outcome; Improved groundwater and surface water quality. (SE0239)	South East RBD	Implemented	Local Authorities; Environment Agency
Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant)	A pilot project to incorporate water body information into Environmental Stewardship targeting guidance for the South Downs. Outcome: Reduced diffuse pollution from agriculture within at risk water bodies, and extend approach as applicable to other catchments. (SE0192)	East Hampshire Catchment; Cuckmere & Pevensey Levels ; Adur & Ouse ; Arun & Western Streams	2012	Natural England; Environment Agency

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant); Organic pollutants	Work with Natural England to target Catchment Sensitive Farming type activities and agri-environment schemes to ensure adoption of best farming practices. Outcome: Reduce diffuse pollution sources from agriculture within water bodies identified as being impacted or at risk. (SE0306)	Groundwater bodies: Lower Greensand Adur and Ouse; low Central Downs Chalk; Kent Romney Marsh; Central Hants Lambeth Group; South Hants Lambeth Group ; South West Hants Barton Group; Adur and Ouse Hastings Beds; Littlehampton Anticline East; Lower Greensand Arun and Western Streams; low Southern Downs Chalk; East Hants Chalk; Brighton Chalk Block; East Kent Chalk - Stour; Seaford And Eastbourne Chalk Block; Kent Isle Of Thanet Chalk; East Hants Lambeth Group; Chichester and Worthing Chalk; Kent Weald Eastern - Rother; Hastings Beds Cuckmere And Pevensey Levels; East Kent Tertiaries; River Itchen Chalk; Lower Greensand Cuckmere and Pevensey Levels; River Test Chalk; Kent Greensand Eastern Surface water bodies: Arun & Western Streams; Broad Rife, Lidsey Rife, R. Ems, Harting Stream, Stanbridge Stream	2012	Natural England; Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant); Organic pollutants	(continued from above see additional waterbodies) Work with Natural England to target Catchment Sensitive Farming type activities and agri-environment schemes to ensure adoption of best farming practices. Outcome: Reduce diffuse pollution sources from agriculture within water bodies identified as being impacted or at risk. (SE0306)	Cuckmere & Pevensey Levels; Pevensey Haven between Rickney and Pevensey East Hampshire; Brownwich Stream, Horton Heath Stream, Potwell Trib, Steeple Court Stream Isle of Wight; Atherfield Stream, R. Eastern Yar, R. Medina, Thorley Brook, Rodge Brook, Monktonmead Brook, Palmers Brook, Gurnard Luck, Lukely Brook Rother; Brede between Battle and Winchelsea, Tillingham, Lower Rother from Robertsbridge to Iden, Walland Marsh Iden to Appledore, Cradlebridge Petty Sewer, Tributary of Newmill Channel upstream of Rolvenden, Romney Marsh between Appledore and West Hythe, Socknersh Stream, Tillingham Stour; Wingham River, Little Stour, East Stour, North Chislet Marsh Test & Itchen; Cadnam River, Whiteparish Trib, Sherfield English Stream, Fairbourne Stream to Fishlake Meadows, Tadburn Lake, River Blackwater, R. Blackwater, Test (Lower), River Itchen, River Test, R. Test (Middle), River Test, R. Anton, Bow Lake	2012	Natural England; Environment Agency
Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Nutrients	Pollution prevention advice and local campaigns to provide targeted advice and enforcement in high risk areas on all rural diffuse pollution issues: farm and land management, domestic oil storage, septic tanks. Outcome: Diffuse pollution reduced through the adoption of best practices (SE0261)	South East RBD	Implemented	Environment Agency; Natural England (Local Authorities; Local industry associations)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Ensure that local spatial planning documents include policies to secure habitat creation in floodplains through developer contributions, taking into consideration the Biodiversity Opportunity Areas. Outcome: From 2011 Development Plan Documents include policies to seek Section 106 monies (and Community Infrastructure Levy contributions where relevant) for floodplain habitat creation. To help address diffuse pollution, and contribute to flood storage measures. (SE0218)	South East RBD	2012	Local Authorities (Environment Agency; South East England Partnership Board)
Physical modification	Increase the amount of floodplain woodland by better targeting of the England Woodland Grant Scheme and through partnership projects. Outcome: More woodland in the right locations helps address diffuse pollution, water temperatures in fish spawning grounds, and contributes to flood storage (SE0238)	South East RBD	2012	Forestry Commission (Natural England; Environment Agency)
Physical modification	Restore degraded wetlands in the New Forest to improve the condition of nationally and internationally designated wildlife features, with reference to the New Forest Wetland Management Plan 2006-16. Outcome: No further deterioration in water body status, followed by status improvement (SE0291)	New Forest Catchment	2012	New Forest National Park Authority (Forestry Commission; Environment Agency; Natural England)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Promote and encourage sediment, vegetation and channel maintenance that enhances wildlife habitat and enables land drainage. Outcome: Protect, enhance, restore and retain marginal and in channel habitats. Improve fish movement and connection to floodplain. (SE0268)	South East RBD	2012	Environment Agency (Stour Internal Drainage Board; Romney Marshes Internal Drainage Board; Natural England; National Farmers' Union)
Physical modification	Establish a 'Regional Better Rivers Programme' to improve habitat and ecology in a first round of waters. Outcome: Improve ecological status or potential in 35 water bodies totalling 389 km in length (SE0223)	Test & Itchen; Monks Brook, Arle - Upstream of Drove Lane, River Blackwater, R. Test (Middle), R. Test (Middle), R. Test (Upper), River Itchen, R. Alre, R. Alre, R. Test, Tanner's Brook, Fairbourne Stream to Fishlake Meadows, Test (Lower), Test (Lower), Test (Upper), River Test, Candover Brook Adur & Ouse; Adur (Knepp) Stour; Upper Dour at Temple Ewell, North and South Streams in the Lydden Valley, Upper Great Stour, Dour from Kearsney to Dover New Forest; Bartley Water	2012	Environment Agency (Riparian owners; Developers; Forestry Commission; Natural England; Local Authorities; Environmental NGOs; Countryside Management Service (CMS))

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Identify priorities for second round of 'Regional Better Rivers Programme'. Outcome: Second planning cycle schemes improve habitat and ecology in waters agreed from a pool of 53 candidates totalling 545 km, building on monitoring and lessons from the first round. (SE0233)	Adur & Ouse: Adur (Lancing brook), Adur (Lottbridge), River Adur East (Sakeham), Blakes Gill, R. Adur West, Ouse, Glynde Reach, Ouse from Ardingly Reservoir to Lindfield, Ouse from Slaugham to Ardingly Reservoir, Cockhaise Brook, Tributary of River Uck north of Uckfield, Ouse from Cockhaise Brook confluence to Spithurst, Longford Stream, Scrase Bridge Stream conf to Cockhaise Bk, River Uck at Uckfield, River Ouse between Isfield and Coast Arun & Western Streams; R. Ems, Western Rother (Upstream Petersfield), Bignor Mill Stream, R. Kird, Minsted Stream, Western Rother, Hammer Stream (W. Sussex), Harting Stream, Haslingbourne Stream, R. Arun Source	2015	Environment Agency (Riparian owners; Natural England; Forestry Commission; Developers; Local Authorities; Environmental NGOs; Countryside Management Service (CMS)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Continued from above - see additional water bodies Identify priorities for second round of 'Regional Better Rivers Programme'. Outcome: Second planning cycle schemes improve habitat and ecology in waters agreed from a pool of 53 candidates totalling 545 km, building on monitoring and lessons from the first round. (SE0233)	Cuckmere & Pevensey Levels; Nunningham Stream, Cuckmere from Alfriston to Arlington, Cuckmere from Warbleton to Lower Horsebridge, Hugletts Stream, Cuckmere between Arlington and Lower Horsebridge East Hampshire; River Alver, Brownwich Stream, Horton Heath Stream, Potwell Trib, Hook Lake, Hermitage Stream, R. Lavant (Hants), Botleigh Grange/ Hedge End Streams Isle of Wight; R. Eastern Yar, R. Medina, Atherfield Stream, Thorley Brook, Rodge Brook, Lukely Brook, Chilton Chine, Walpan Chine, Brook Chine, Brighstone Streams New Forest; Langdown Stream, Beaulieu Abbey Stream, Cadland Stream Rother; Pent Stream Stour; Little Stour Test & Itchen; Pillhill Brook (Source), Westwood Stream, Bow Lake, R. Dever, Sholing Common Streams, R. Dun, Wallop Brook	2015	Environment Agency (Riparian owners; Natural England; Forestry Commission; Developers; Local Authorities; Environmental NGOs; Countryside Management Service (CMS)

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification; Abstraction and other artificial flow pressures; Direct biological pressures; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant); Nutrients	Provide local guidance and information to ensure marine licensing and consents take into account diffuse pollution pressures and physical measures and therefore contribute to the delivery of objectives. Outcome: Identify hot spots under pressure from chemical and physico-chemical pollutants. Inform and target harbour and port dredging strategies to reduce the risk from diffuse and point sources. (SE0278)	Coastal: Chichester Harbour, Langstone Harbour, Portsmouth Harbour, Solent, , Whitstable Bay Transitional: Adur, Chichester Harbour East, Eeastern Yar , Lymington, Medina , Ouse, Southampton Water, Stour (Kent), Wallington, Rother	2011	Marine and Fisheries Agency (Environment Agency; Centre for Environment, Fisheries & Aquaculture Science)

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification; Direct biological pressures	Promote the relationship between healthy marine ecosystems and productive sustainable fish stocks and complete the UK Inshore Fisheries Sustainability Project. Outcome: All significant fisheries examined in accordance with Marine Stewardship Council assessment principles. Local management plan developed that would result in fisheries working toward a status of MSC certified if desired. (SE0274)	South East RBD	2012	Sussex Sea Fisheries Committee (Marine Stewardship Council; Shellfish Association of Great Britain; Inshore Fisheries and Conservation Authorities)
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Encourage uptake of Voluntary Initiative best practice advice on pesticide use by land managers within the agricultural and amenity sectors (e.g. golf courses, parks, highways, railways). Outcome: Diffuse pesticide pollution reduced through the adoption of best practices. (SE0216)	South East RBD	Implemented	Voluntary Initiative Partnership (Environment Agency; Local Authorities)

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Organic pollutants; Nutrients; Sediments (as a direct pollutant)	Establish and maintain local advice led partnerships to improve farm and land management practices, to reduce diffuse pollution from agriculture and amenity. Outcome: Land managers apply best practice land management techniques, to improve water quality impacted upon by diffuse pollution. (SE0224)	Adur & Ouse; Herrings Stream , Little Horsted Stream , Ouse from Ardingly Reservoir to Lindfield , Ouse from Cockhaise Brook confluence to Spithurst , Pellingford Brook , R. Adur East , Ridgewood Stream , River Adur East (Sakeham) , River Ouse between Isfield and Coast , Tickerage Stream Arun & Western Streams; Loxwood Stream Cuckmere & Pevensey Levels: Cuckmere from Warbleton to Lower Horsebridge, Hugletts Stream, Wick Street Stream at Upper Dicker	2011	Environment Agency; Land managers and owners (Natural England; Local Authorities; National Farmers' Union)
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant)	Encourage sustainable and efficient use of salt/grit used on motorways and highways. Outcome: efficient application of salt and grit used on highways, resulting in a reduction in pollutants contained in urban run-off (SE0215)	South East RBD	2012	Highways Agency; Local Authorities

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Sediments (as a direct pollutant); Organic pollutants	Work with riparian owners to identify and manage areas of bankside erosion from livestock and associated impacts where appropriate. Outcome: Improved land management practices to reduce diffuse pollution in rural areas. (SE0307)	South East RBD	2012	Riparian owners; Environment Agency (Natural England; National Farmers' Union)
Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants	Identify hot spots for sediment and other pollutants from highway run off and prepare management plans to reduce the risks. Outcome: Reduction of diffuse pollution from urban sources and management plans in place (SE0232)	Test & Itchen Catchment	2012	Highways Agency; Highways Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Organic pollutants; Nutrients	Promote the targeted mapping of land drainage discharges (fields, highways, rural roads) to better assess their impact on water quality and adopt appropriate control measures. Outcome: Production of land drainage map to identify and investigate sources of pollutants, and actions put in place to prevent environmental impact. Less diffuse pollution in related waters. (SE0275)	South East RBD	2012	Environment Agency (South East England Partnership Board; Local Authorities; Land managers and owners; Royal Town Planning Institute; Highways Agency; Natural England)
Physical modification; Direct biological pressures	Investigate and where appropriate manage physical impacts of commercial inshore fisheries to improve marine biodiversity and fisheries productivity, through the Sensitive Area Management Plan for the Sussex coast. Outcome: Identify, designate and manage specific sites within the Sussex Sea Fisheries Committee District. It is intended that subject to changes in policy, these actions will be progressed by the relevant Inshore Fisheries and Conservation Authority, and support the process of Marine Conservation Zone designation in the Eastern Channel (SE0241)	Sussex; Sussex East; Isle of Wight East coastal water bodies	2012	Sussex Inshore Fisheries and Conservation Authority (Environment Agency; Natural England; Local Authorities; Non-Governmental Organisations)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Natura 2000 protected areas and SSSIs				
Abstraction and other artificial flow pressures; Physical modification	Contribute to achievement of favourable condition on Shillinglee Lake SSSI, New Forest SSSI, Dungeness, Romney Marsh and Rye Bay SSSI, River Test SSSI and The New Forest SSSI by implementing SSSI management agreement (SE0316)	New Forest Catchment; Rother Catchment; Arun and Western Streams Catchment; Test and Itchen Catchment	2012	Natural England
Abstraction and other artificial flow pressures; Physical modification; Nutrients	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through specific management works to address water quality pressures (see Annex D) (SE0335)	South East RBD	2012	Central Government
Abstraction and other artificial flow pressures; Sediments (as a direct pollutant); Physical modification; Direct biological pressures; Nutrients	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas by implementing agri-environment scheme (see Annex D) (SE0323)	South East RBD	2012	Natural England

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Direct biological pressures	Contribute to achievement of favourable condition on the Pevensy Levels SSSI, Dungeness, Romney Marsh and Rye Bay SSSI, River Test SSSI and The New Forest SSSI by implementing invasive species control programme (SE0319)	Rother Catchment; Cuckmere and Pevensy Levels Catchment; Test and Itchen Catchment	2010	Natural England; Environment Agency
Direct biological pressures	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas by developing an invasive species control programme for protected areas (see Annex D) (SE0322)	South East RBD	2012	Natural England; Environment Agency
Direct biological pressures	Eradication and control at selected SSSIs and Natura 2000 sites (SE0339)	South East RBD	2012	Natural England
Direct biological pressures; Nutrients; Abstraction and other artificial flow pressures; Physical modification	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through SSSI Management Agreement (see Annex D) (SE0336)	South East RBD	2012	Natural England
Nutrients	Contribute to achievement of favourable condition on The New Forest SSSI, Dungeness, Romney Marsh and Rye Bay SSSI, River Test SSSI, Southampton Common SSSI and Alresford Pond SSSI by developing a pollution action plan (SE0318)	New Forest Catchment; Rother Catchment; Test & Itchen Catchment	2012	Environment Agency; Natural England

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Sediments (as a direct pollutant); Physical modification	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through negotiation on invasive species control (see Annex D) (SE0331)	South East RBD	2010	Natural England; Environment Agency
Physical modification	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through River Restoration Programme for protected areas (see Annex D) (SE0333)	South East RBD	2012	Environment Agency; Natural England
Physical modification	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through a Flood Management Programme (see Annex D) (SE0326)	South East RBD	2012	Environment Agency
Physical modification	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through River Restoration Scheme (see Annex D) (SE0334)	South East RBD	2012	Environment Agency; Natural England
Physical modification; Nutrients; Abstraction and other artificial flow pressures	Contribute to achievement of favourable condition on Lewes Brooks SSSI, The New Forest SSSI and Dungeness, Romney Marsh and Rye Bay SSSI by implementing agri-environment scheme (SE0312)	New Forest Catchment; Rother Catchment; Adur and Ouse	2010	Natural England

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification; Priority Hazardous Substances, Priority Substances and Specific Pollutants	Adopt the Maintenance Dredging Protocol to ensure all conservation aspects are considered in relation to the Natura 2000 network, in connection with maintenance dredging requirements. Where possible, the consideration of ensuring good status or good ecological potential will be included in the production of the Baseline Document. Outcome: Production of agreed Baseline Documents by Ports and Harbour Authorities where maintenance dredging occurs. (SE0309)	South East RBD	2012	Defra; Ports and Harbours Authorities (Marine and Fisheries Agency; Natural England; Environment Agency; Solent Forum)
Physical modification; Sediments (as a direct pollutant); Nutrients	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through the England Catchment Sensitive Farming Initiative (see Annex D) (SE0337)	South East RBD	2012	Natural England
Sediments (as a direct pollutant); Direct biological pressures; Nutrients	Contribute to achievement of favourable condition on Alresford Pond SSSI by implementing lake restoration project (SE0311)	Test & Itchen	2012	Environment Agency; Natural England
Sediments (as a direct pollutant); Nutrients	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas by developing a pollution action plan for protected areas (see Annex D) (SE0321)	South East RBD	2012	Environment Agency; Natural England

Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Sediments (as a direct pollutant)	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through regulatory investigation into diffuse pollution (see Annex D) (SE0332)	South East RBD	2010	Environment Agency; Natural England
Direct biological pressures; Abstraction and other artificial flow pressures; Physical modification	Contribute to achievement of favourable condition on St. Leonard's Park Ponds SSSI, Pevensey Levels SSSI, Dungeness, Romney Marsh and Rye Bay SSSI and New Forest SSSI by investigating hydrology (SE0317)	New Forest Catchment; Rother Catchment; Test & Itchen Catchment; Cuckmere & Pevensey Levels Catchment; Arun & Western Streams Catchment	2012	Natural England; Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
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. (DrWPA0034)	Test (Lower)	2010	Central Government; Environment Agency
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. (DrWPA0037)	Darwell Reservoir	2010	Central Government; Environment Agency
Microbiology; Nutrients; Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants; Organic pollutants	Maintain a nationally funded advice-led partnership under the England Catchment Sensitive Farming Initiative to reduce diffuse water pollution from agriculture in at risk catchments and promote sustainable farming practice. (SE0070)	Chichester-Worthing-Portsdown Chalk; East Hants Chalk; IOW Central Downs Chalk; IOW Southern Downs Chalk; Kent Isle of Thanet Chalk; Littlehampton Anticline East; Isle of Wight Catchment; Rother Catchment; Stour Catchment; Test & Itchen Catchment ; Arun & Western Streams Catchment	Implemented	Natural England; Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Microbiology; Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants; Nutrients; Organic pollutants	Progress delivery of cross-compliance inspection and enforcement (SE0071)	South East RBD	2010	Environment Agency (Defra; Rural Payments Agency)
Nitrate	Sludge Regulations - comply with published advice to operators (SE0077)	South East RBD	Implemented	Environment Agency; Water companies
Nitrate	Sludge Regulations - monitoring and enforcement (SE0078)	South East RBD	Implemented	Environment Agency; Water companies

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nitrate; Ammonia; Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Establish further the nationally funded advice-led partnership under the England Catchment Sensitive Farming Initiative to reduce diffuse water pollution from agriculture in at risk catchments and promote sustainable farming practice. (SE0085)	South East RBD	2012	Natural England; Environment Agency
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Agri-environment schemes/ Environmental Stewardship - payments for best practice to limit nitrate input and control agric-chemicals (SE0173)	South East RBD	Implemented	Land managers and owners
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	PR09 – Water Company spending review. Water Framework Directive specific obligations (SE0082)	South East RBD	2012	Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	PR04 – Water Company spending review (SE0088)	South East RBD	Implemented	Central Government
Nutrients	Establish and enforce Nitrate Vulnerable Zones in catchments at a high risk from nitrate pollution, requiring farmers to follow a programme of measures to reduce nitrate entering the water from farmland. (see map D6 in annex D) (SE0090)	South East RBD	Implemented	Defra; Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Acidification; Microbiology; Organic pollutants; Physical modification; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant); Direct biological pressures; Direct biological pressures	Where appropriate, subject to the Environment Agency carrying out a 12 week public consultation and making an appropriate case to the Secretary of State, designate a limited number of Water Protection Zones. Regulatory tool to control diffuse pollution in high risk areas where other mechanisms are not working or are unlikely to work Initially around 8 candidate locations across England. Potential for designation from 2010 with possibility of further WPZs by 2012	South East RBD	2012	Environment Agency
Physical modification	Plans, processes and programmes (such as the Environment Agency Navigation and Recreation strategies) will be aligned to the requirements of hydromorphology to achieve Water Framework Directive objectives (especially ecological potential). This will be two fold: i) Mitigation measures required to reach good ecological potential will be identified in and delivered through such plans, and ii) the prioritisation of environmental improvements will be influenced by the specific requirements to reach Water Framework Directive objectives. (SE0145)	South East RBD	Implemented	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	A central spatially-enabled hydromorphological database will be created, this will provide a system that will quickly and reliably, supply data to better understand hydromorphological impacts of modifications to water bodies. it will be used to provide available hydromorphological data as an input into the approval/assessment processes for new physical modifications to ensure compliance with Water Framework Directive requirements, especially those related to Article 4(7). (SE0117)	South East RBD	2010	Environment Agency
Physical modification; Direct biological pressures; Direct biological pressures	Support the process of Marine Conservation Zone designation within inshore areas in the Eastern English channel. Outcome: A coherent network of Marine Protected Areas within the Eastern Channel. (SE0039)	South East RBD	2012	Natural England; Sea Fisheries Committee; Shellfish Association of Great Britain; Marine Stewardship Council; Balanced Seas; Inshore Fisheries and Conservation Authorities

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
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) (SE0181)	Adur; Arun; Beaulieu River; Bembridge Harbour Lagoon; Black Water Lagoons; Chichester Harbour; Chichester Harbour East; Cuckmere; Eastern Yar; Great Deep; Isle Of Wight East; Kent North; Kent South ; Langstone Harbour; Langstone Oysterbeds; Lymington; Medina; Newtown River; Old Mill Ponds; Ouse; Pagham Harbour; Pagham Lagoon; Portsmouth Harbour; Rother; Solent; Southampton Water; Sowley Marsh; Stour (Kent); Sussex; Sussex East; Ternery Pool; Wallington; Western Yar; Whitstable Bay; Wootton Creek	2012	Marine and Fisheries Agency; Defra
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Apply national guidance framework on dredging to refine local measures as appropriate (where not disproportionately costly or technically infeasible) (SE0182)	Adur; Arun; Beaulieu River; Bembridge Harbour Lagoon; Black Water Lagoons; Chichester Harbour; Chichester Harbour East; Cuckmere; Eastern Yar; Great Deep; Isle Of Wight East; Kent North; Kent South ; Langstone Harbour; Langstone Oysterbeds; Lymington; Medina; Newtown River; Old Mill Ponds; Ouse; Pagham Harbour; Pagham Lagoon; Portsmouth Harbour; Rother; Solent; Southampton Water; Sowley Marsh; Stour (Kent); Sussex; Sussex East; Ternery Pool; Wallington; Western Yar; Whitstable Bay; Wootton Creek	2012	Marine and Fisheries Agency; Defra

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Sediments (as a direct pollutant); Microbiology; Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants	Progress the Entry Level Stewardship Scheme offering farmers an incentive to achieve environmental benefits on agricultural land. Entry Level Stewardship is open to all those farming in England and aims to reward good land management and address some of the environmental issues affecting the wider countryside including diffuse pollution, soil erosion and the conservation of farmland birds (SE0179)	South East RBD	Implemented	Natural England (Defra)
Sediments (as a direct pollutant); Microbiology; Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants	Maintain the Higher Level Stewardship Scheme offering farmers an incentive to achieve environmental benefits over and above those required under the Entry Level Stewardship Scheme. Higher Level Stewardship is targeted by Natural England to maximise environmental and other public benefits in targeted areas within the River Basin District (SE0178)	South East RBD	Implemented	Defra (Natural England)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Develop national guidance framework on disposal of dredgings to inform Programme of Measures to meet Water Framework Directive objectives (SE0183)	Adur; Arun; Beaulieu River; Bembridge Harbour Lagoon; Black Water Lagoons; Chichester Harbour; Chichester Harbour East; Cuckmere; Eastern Yar; Great Deep; Isle Of Wight East; Kent North; Kent South ; Langstone Harbour; Langstone Oysterbeds; Lymington; Medina; Newtown River; Old Mill Ponds; Ouse; Pagham Harbour; Pagham Lagoon; Portsmouth Harbour; Rother; Solent; Southampton Water; Sowley Marsh; Stour (Kent); Sussex; Sussex East; Ternery Pool; Wallington; Western Yar; Whitstable Bay; Wootton Creek	2010	Defra
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Develop national guidance framework on dredging to inform Programme of Measures to meet Water Framework Directive objectives (SE0184)	Adur; Arun; Beaulieu River; Bembridge Harbour Lagoon; Black Water Lagoons; Chichester Harbour; Chichester Harbour East; Cuckmere; Eastern Yar; Great Deep; Isle Of Wight East; Kent North; Kent South ; Langstone Harbour; Langstone Oysterbeds; Lymington; Medina; Newtown River; Old Mill Ponds; Ouse; Pagham Harbour; Pagham Lagoon; Portsmouth Harbour; Rother; Solent; Southampton Water; Sowley Marsh; Stour (Kent); Sussex; Sussex East; Ternery Pool; ; Wallington; Western Yar; Whitstable Bay; Wootton Creek	2010	Defra
Physical modification	Monitoring and investigation into mitigation measures techniques, to establish their effectiveness and improve understanding of hydromorphological and ecological interactions. The outcomes from this work will be applied nationally. (SE0143)	South East RBD	2011	Environment Agency
Physical modification	Monitoring and investigation of the effectiveness of river restoration work undertaken at Shopham Loop, on the long term sustainability of the catchment. (SE0144)	Arun & Western Streams Catchment	2010	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Highways Agency Programme to investigate soakaways (SE0060)	South East RBD	Implemented	Highways Agency
Local Actions				
Abstraction and other artificial flow pressures	Ensure that local spatial plans include policies to secure developer contributions for retrofitting water efficiency measures in existing housing stock, in water stressed areas. Outcome: From 2011 adopted local spatial plans, such as Area Action Plans and Supplementary Planning Documents, include policies to seek Section 106 monies (and Community Infrastructure Levy contributions where relevant) for the retrofitting of existing housing stock in water stressed areas. This will reduce the pressure of increased abstraction on the environment. (SE0220)	South East RBD	2011	Local Authorities (Environment Agency; South East England Partnership Board)
Abstraction and other artificial flow pressures	Ensure that local spatial planning policies for new development set out strong requirements for water efficiency measures. Outcome: Adopted Development Plan Documents include policies on (i) water efficiency measures for new development that seek to achieve Code for Sustainable Homes Level 3 and 4 (105 litres a day per capita consumption) as a minimum, and (ii) water efficiency measures for business and commercial developments (such as rainwater harvesting and recycling). (SE0219)	South East RBD	2012	Local Authorities (Environment Agency; Land managers and owners; South East England Partnership Board)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures	Develop and provide approved sustainable water management planning guidance to ensure that the impacts of development on the water environment are fully understood. Outcome: Produce planning guidance in partnership with Royal Town Planning Institute on the obligations of the Water Framework Directive and Spatial Planning. Deliver a series of updated seminars in association with key partners for planners. (SE0206)	South East RBD	2012	Environment Agency (Department for Communities and Local Government; Royal Town Planning Institute; Natural England; South East England Partnership Board)
Abstraction and other artificial flow pressures	Develop and provide approved planning guidance to ensure that the impacts of development on the water environment are fully understood. Outcome: Produce planning guidance in partnership with Royal Town Planning Institute on the obligations of the Water Framework Directive and Spatial Planning. Deliver a series of updated seminars in association with key partners for planners. (SE0205)	South East RBD	2012	Environment Agency (Department for Communities and Local Government; Royal Town Planning Institute; Natural England; South East England Partnership Board)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures	Reduction of demand through offering of tax incentives (enhanced Capital Allowances) for the purchase and use of efficient plant and fittings by commercial organisations. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0286)	South East RBD	Implemented	Defra; HM Revenue and Customs
Abstraction and other artificial flow pressures	Promote water recycling and rainwater harvesting where cost-effective, appropriate and used together with other demand management measures. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0277)	South East RBD	2012	Environment Agency (Central Government; Water companies; South East England Development Agency)
Abstraction and other artificial flow pressures	Reduction of demand through labelling scheme for water efficient products. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0285)	South East RBD	2012	Defra; Industry leads
Abstraction and other artificial flow pressures	Quantify environmental flow requirements for ditches. Outcome: Delivery of Rother Catchment Abstraction Strategy actions to address the over-abstracted status of Walland Marsh (SE0279)	Rother	2010	Natural England; Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures; Nutrients	Ensure that Green Infrastructure Strategies maximise potential benefits for water resources, water quality, drainage and flood risk management. Outcome: From 2010 all adopted Local Development Documents include Green Infrastructure Strategies, including sustainable water management. (SE0217)	South East RBD	Implemented	Local Authorities; Environment Agency
Direct biological pressures; Direct biological pressures	Contain and control invasive non-native species at priority sites through partnership working. Agree sites and action with the South East England Non-Native Invasive Species Action Group. Outcome: Spread of problem invasive species stopped and reversed, protecting important nationally and internationally designated habitats under threat from this pressure (SE0201)	New Forest Catchment; Arun & Western Streams ; Cuckmere & Pevensey Levels ; Test & Itchen	2012	Natural England; Environment Agency (Riparian owners; Land managers and owners; Forestry Commission; Local Authorities; Environmental NGOs)
Direct biological pressures; Direct biological pressures	Develop joint working between the Sea Fisheries Committees, Inshore Fisheries and Conservation Authorities and the Environment Agency on the collection of inshore data. Outcome: Improved understanding of pressures in the marine environment to enable better targeting and development of actions. (SE0207)	South East RBD	2012	Inshore Fisheries and Conservation Authorities; Environment Agency (Natural England; Local Authorities; Non-Governmental Organisations)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Direct biological pressures; Physical modification	Produce code of conduct for commercial fisheries and sea anglers to protect marine sites of nature conservation importance. Outcome: Marine sites of nature conservation importance are protected from damage by fishing activities. (SE0267)	Sussex; Sussex East; Isle of Wight East coastal water bodies	2012	Sussex Inshore Fisheries and Conservation Authority (Environment Agency; Natural England; Local Authorities; Non-Governmental Organisations)
Nutrients	Downs and Harbours Clean Waters Partnership to design and implement a strategy to tackle diffuse pollution in the Solent and groundwater in the South Downs. Outcome: Meet targets for key Sites of Special Scientific Interest, help address wider water quality issues and reverse nitrate trends in potable groundwater sources (SE0209)	East Hampshire Catchment; Arun & Western Streams Catchment	Implemented	Natural England; Environment Agency (Portsmouth Water)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Microbiology; Organic pollutants; Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants	Influence Town and Country Planning Act authorisation process to help minimise risk of diffuse pollution from new developments (e.g. implement SUDs and use of Water Resource Act Planning Guidance). Outcome; Improved groundwater and surface water quality. (SE0239)	South East RBD	Implemented	Local Authorities; Environment Agency
Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant)	A pilot project to incorporate water body information into Environmental Stewardship targeting guidance for the South Downs. Outcome: Reduced diffuse pollution from agriculture within at risk water bodies, and extend approach as applicable to other catchments. (SE0192)	East Hampshire Catchment; Cuckmere & Pevensey Levels ; Adur & Ouse ; Arun & Western Streams	2012	Natural England; Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant); Organic pollutants	Work with Natural England to target Catchment Sensitive Farming type activities and agri-environment schemes to ensure adoption of best farming practices. Outcome: Reduce diffuse pollution sources from agriculture within water bodies identified as being impacted or at risk. (SE0306)	Groundwater bodies: Lower Greensand Adur and Ouse; low Central Downs Chalk; Kent Romney Marsh; Central Hants Lambeth Group; South Hants Lambeth Group ; South West Hants Barton Group; Adur and Ouse Hastings Beds; Littlehampton Anticline East; Lower Greensand Arun and Western Streams; low Southern Downs Chalk; East Hants Chalk; Brighton Chalk Block; East Kent Chalk - Stour; Seaford And Eastbourne Chalk Block; Kent Isle Of Thanet Chalk; East Hants Lambeth Group; Chichester and Worthing Chalk; Kent Weald Eastern - Rother; Hastings Beds Cuckmere And Pevensey Levels; East Kent Tertiaries; River Itchen Chalk; Lower Greensand Cuckmere and Pevensey Levels; River Test Chalk; Kent Greensand Eastern Surface water bodies: Arun & Western Streams; Broad Rife, Lidsey Rife, R. Ems, Harting Stream, Stanbridge Stream	2012	Natural England; Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant); Organic pollutants	(continued from above see additional waterbodies) Work with Natural England to target Catchment Sensitive Farming type activities and agri-environment schemes to ensure adoption of best farming practices. Outcome: Reduce diffuse pollution sources from agriculture within water bodies identified as being impacted or at risk. (SE0306)	Cuckmere & Pevensey Levels; Pevensey Haven between Rickney and Pevensey East Hampshire; Brownwich Stream, Horton Heath Stream, Potwell Trib, Steeple Court Stream Isle of Wight; Atherfield Stream, R. Eastern Yar, R. Medina, Thorley Brook, Rodge Brook, Monktonmead Brook, Palmers Brook, Gurnard Luck, Lukely Brook Rother; Brede between Battle and Winchelsea, Tillingham, Lower Rother from Robertsbridge to Iden, Walland Marsh Iden to Appledore, Cradlebridge Petty Sewer, Tributary of Newmill Channel upstream of Rolvenden, Romney Marsh between Appledore and West Hythe, Socknersh Stream, Tillingham Stour; Wingham River, Little Stour, East Stour, North Chislet Marsh Test & Itchen; Cadnam River, Whiteparish Trib, Sherfield English Stream, Fairbourne Stream to Fishlake Meadows, Tadburn Lake, River Blackwater, R. Blackwater, Test (Lower), River Itchen, River Test, R. Test (Middle), River Test, R. Anton, Bow Lake	2012	Natural England; Environment Agency
Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Nutrients	Pollution prevention advice and local campaigns to provide targeted advice and enforcement in high risk areas on all rural diffuse pollution issues: farm and land management, domestic oil storage, septic tanks. Outcome: Diffuse pollution reduced through the adoption of best practices (SE0261)	South East RBD	Implemented	Environment Agency; Natural England (Local Authorities; Local industry associations)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Ensure that local spatial planning documents include policies to secure habitat creation in floodplains through developer contributions, taking into consideration the Biodiversity Opportunity Areas. Outcome: From 2011 Development Plan Documents include policies to seek Section 106 monies (and Community Infrastructure Levy contributions where relevant) for floodplain habitat creation. To help address diffuse pollution, and contribute to flood storage measures. (SE0218)	South East RBD	2012	Local Authorities (Environment Agency; South East England Partnership Board)
Physical modification	Increase the amount of floodplain woodland by better targeting of the England Woodland Grant Scheme and through partnership projects. Outcome: More woodland in the right locations helps address diffuse pollution, water temperatures in fish spawning grounds, and contributes to flood storage (SE0238)	South East RBD	2012	Forestry Commission (Natural England; Environment Agency)
Physical modification	Restore degraded wetlands in the New Forest to improve the condition of nationally and internationally designated wildlife features, with reference to the New Forest Wetland Management Plan 2006-16. Outcome: No further deterioration in water body status, followed by status improvement (SE0291)	New Forest Catchment	2012	New Forest National Park Authority (Forestry Commission; Environment Agency; Natural England)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Promote and encourage sediment, vegetation and channel maintenance that enhances wildlife habitat and enables land drainage. Outcome: Protect, enhance, restore and retain marginal and in channel habitats. Improve fish movement and connection to floodplain. (SE0268)	South East RBD	2012	Environment Agency (Stour Internal Drainage Board; Romney Marshes Internal Drainage Board; Natural England; National Farmers' Union)
Physical modification	Establish a 'Regional Better Rivers Programme' to improve habitat and ecology in a first round of waters. Outcome: Improve ecological status or potential in 35 water bodies totalling 389 km in length (SE0223)	Test & Itchen; Monks Brook, Arle - Upstream of Drove Lane, River Blackwater, R. Test (Middle), R. Test (Middle), R. Test (Upper), River Itchen, R. Alre, R. Alre, R. Test, Tanner's Brook, Fairbourne Stream to Fishlake Meadows, Test (Lower), Test (Lower), Test (Upper), River Test, Candover Brook Adur & Ouse; Adur (Knepp) Stour; Upper Dour at Temple Ewell, North and South Streams in the Lydden Valley, Upper Great Stour, Dour from Kearsney to Dover New Forest; Bartley Water	2012	Environment Agency (Riparian owners; Developers; Forestry Commission; Natural England; Local Authorities; Environmental NGOs; Countryside Management Service (CMS))

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Identify priorities for second round of 'Regional Better Rivers Programme'. Outcome: Second planning cycle schemes improve habitat and ecology in waters agreed from a pool of 53 candidates totalling 545 km, building on monitoring and lessons from the first round. (SE0233)	Adur & Ouse: Adur (Lancing brook), Adur (Lottbridge), River Adur East (Sakeham), Blakes Gill, R. Adur West, Ouse, Glynde Reach, Ouse from Ardingly Reservoir to Lindfield, Ouse from Slaugham to Ardingly Reservoir, Cockhaise Brook, Tributary of River Uck north of Uckfield, Ouse from Cockhaise Brook confluence to Spithurst, Longford Stream, Scrase Bridge Stream conf to Cockhaise Bk, River Uck at Uckfield, River Ouse between Isfield and Coast Arun & Western Streams; R. Ems, Western Rother (Upstream Petersfield), Bignor Mill Stream, R. Kird, Minsted Stream, Western Rother, Hammer Stream (W. Sussex), Harting Stream, Haslingbourne Stream, R. Arun Source	2015	Environment Agency (Riparian owners; Natural England; Forestry Commission; Developers; Local Authorities; Environmental NGOs; Countryside Management Service (CMS)
Physical modification	Continued from above - see additional water bodies Identify priorities for second round of 'Regional Better Rivers Programme'. Outcome: Second planning cycle schemes improve habitat and ecology in waters agreed from a pool of 53 candidates totalling 545 km, building on monitoring and lessons from the first round. (SE0233)	Cuckmere & Pevensey Levels; Nunningham Stream, Cuckmere from Alfriston to Arlington, Cuckmere from Warbleton to Lower Horsebridge, Hugletts Stream, Cuckmere between Arlington and Lower Horsebridge East Hampshire; River Alver, Brownich Stream, Horton Heath Stream, Potwell Trib, Hook Lake, Hermitage Stream, R. Lavant (Hants), Botleigh Grange/ Hedge End Streams Isle of Wight; R. Eastern Yar, R. Medina, Atherfield Stream, Thorley Brook, Rodge Brook, Lukely Brook, Chilton Chine, Walpan Chine, Brook Chine, Brighstone Streams New Forest; Langdown Stream, Beaulieu Abbey Stream, Cadland Stream Rother; Pent Stream Stour; Little Stour Test & Itchen; Pillhill Brook (Source), Westwood Stream, Bow Lake, R. Dever, Sholing Common Streams, R. Dun, Wallop Brook	2015	Environment Agency (Riparian owners; Natural England; Forestry Commission; Developers; Local Authorities; Environmental NGOs; Countryside Management Service (CMS)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification; Abstraction and other artificial flow pressures; Direct biological pressures; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant); Nutrients	Provide local guidance and information to ensure marine licensing and consents take into account diffuse pollution pressures and physical measures and therefore contribute to the delivery of objectives. Outcome: Identify hot spots under pressure from chemical and physico-chemical pollutants. Inform and target harbour and port dredging strategies to reduce the risk from diffuse and point sources. (SE0278)	Coastal: Chichester Harbour, Langstone Harbour, Portsmouth Harbour, Solent, , Whitstable Bay Transitional: Adur, Chichester Harbour East, Eeastern Yar , Lymington, Medina , Ouse, Southampton Water, Stour (Kent), Wallington, Rother	2011	Marine and Fisheries Agency (Environment Agency; Centre for Environment, Fisheries & Aquaculture Science)
Physical modification; Direct biological pressures	Promote the relationship between healthy marine ecosystems and productive sustainable fish stocks and complete the UK Inshore Fisheries Sustainability Project. Outcome: All significant fisheries examined in accordance with Marine Stewardship Council assessment principles. Local management plan developed that would result in fisheries working toward a status of MSC certified if desired. (SE0274)	South East RBD	2012	Sussex Sea Fisheries Committee (Marine Stewardship Council; Shellfish Association of Great Britain; Inshore Fisheries and Conservation Authorities)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Encourage uptake of Voluntary Initiative best practice advice on pesticide use by land managers within the agricultural and amenity sectors (e.g. golf courses, parks, highways, railways). Outcome: Diffuse pesticide pollution reduced through the adoption of best practices. (SE0216)	South East RBD	Implemented	Voluntary Initiative Partnership (Environment Agency; Local Authorities)
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Organic pollutants; Nutrients; Sediments (as a direct pollutant)	Establish and maintain local advice led partnerships to improve farm and land management practices, to reduce diffuse pollution from agriculture and amenity. Outcome: Land managers apply best practice land management techniques, to improve water quality impacted upon by diffuse pollution. (SE0224)	Adur & Ouse; Herrings Stream , Little Horsted Stream , Ouse from Ardingly Reservoir to Lindfield , Ouse from Cockhaise Brook confluence to Spithurst , Pellingford Brook , R. Adur East , Ridgewood Stream , River Adur East (Sakeham) , River Ouse between Isfield and Coast , Tickerage Stream Arun & Western Streams; Loxwood Stream Cuckmere & Pevensey Levels: Cuckmere from Warbleton to Lower Horsebridge, Hugletts Stream, Wick Street Stream at Upper Dicker	2011	Environment Agency; Land managers and owners (Natural England; Local Authorities; National Farmers' Union)
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant)	Encourage sustainable and efficient use of salt/grit used on motorways and highways. Outcome: efficient application of salt and grit used on highways, resulting in a reduction in pollutants contained in urban run-off (SE0215)	South East RBD	2012	Highways Agency; Local Authorities

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Sediments (as a direct pollutant); Organic pollutants	Work with riparian owners to identify and manage areas of bankside erosion from livestock and associated impacts where appropriate. Outcome: Improved land management practices to reduce diffuse pollution in rural areas. (SE0307)	South East RBD	2012	Riparian owners; Environment Agency (Natural England; National Farmers' Union)
Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants	Identify hot spots for sediment and other pollutants from highway run off and prepare management plans to reduce the risks. Outcome: Reduction of diffuse pollution from urban sources and management plans in place (SE0232)	Test & Itchen Catchment	2012	Highways Agency; Highways Agency
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Organic pollutants; Nutrients	Promote the targeted mapping of land drainage discharges (fields, highways, rural roads) to better assess their impact on water quality and adopt appropriate control measures. Outcome: Production of land drainage map to identify and investigate sources of pollutants, and actions put in place to prevent environmental impact. Less diffuse pollution in related waters. (SE0275)	South East RBD	2012	Environment Agency (South East England Partnership Board; Local Authorities; Land managers and owners; Royal Town Planning Institute; Highways Agency; Natural England)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification; Direct biological pressures	Investigate and where appropriate manage physical impacts of commercial inshore fisheries to improve marine biodiversity and fisheries productivity, through the Sensitive Area Management Plan for the Sussex coast. Outcome: Identify, designate and manage specific sites within the Sussex Sea Fisheries Committee District. It is intended that subject to changes in policy, these actions will be progressed by the relevant Inshore Fisheries and Conservation Authority, and support the process of Marine Conservation Zone designation in the Eastern Channel (SE0241)	Sussex; Sussex East; Isle of Wight East coastal water bodies	2012	Sussex Inshore Fisheries and Conservation Authority (Environment Agency; Natural England; Local Authorities; Non-Governmental Organisations)
Natura 2000 protected areas and SSSIs				
Abstraction and other artificial flow pressures; Physical modification	Contribute to achievement of favourable condition on Shillinglee Lake SSSI, New Forest SSSI, Dungeness, Romney Marsh and Rye Bay SSSI, River Test SSSI and The New Forest SSSI by implementing SSSI management agreement (SE0316)	New Forest Catchment; Rother Catchment; Arun and Western Streams Catchment; Test and Itchen Catchment	2012	Natural England
Abstraction and other artificial flow pressures; Physical modification; Nutrients	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through specific management works to address water quality pressures (see Annex D) (SE0335)	South East RBD	2012	Central Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures; Sediments (as a direct pollutant); Physical modification; Direct biological pressures; Nutrients	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas by implementing agri-environment scheme (see Annex D) (SE0323)	South East RBD	2012	Natural England
Direct biological pressures	Contribute to achievement of favourable condition on the Pevensey Levels SSSI, Dungeness, Romney Marsh and Rye Bay SSSI, River Test SSSI and The New Forest SSSI by implementing invasive species control programme (SE0319)	Rother Catchment; Cuckmere and Pevensey Levels Catchment; Test and Itchen Catchment	2010	Natural England; Environment Agency
Direct biological pressures	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas by developing an invasive species control programme for protected areas (see Annex D) (SE0322)	South East RBD	2012	Natural England; Environment Agency
Direct biological pressures	Eradication and control at selected SSSIs and Natura 2000 sites (SE0339)	South East RBD	2012	Natural England

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Direct biological pressures; Nutrients; Abstraction and other artificial flow pressures; Physical modification	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through SSSI Management Agreement (see Annex D) (SE0336)	South East RBD	2012	Natural England
Nutrients	Contribute to achievement of favourable condition on The New Forest SSSI, Dungeness, Romney Marsh and Rye Bay SSSI, River Test SSSI, Southampton Common SSSI and Alresford Pond SSSI by developing a pollution action plan (SE0318)	New Forest Catchment; Rother Catchment; Test & Itchen Catchment	2012	Environment Agency; Natural England
Nutrients; Sediments (as a direct pollutant); Physical modification	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through negotiation on invasive species control (see Annex D) (SE0331)	South East RBD	2010	Natural England; Environment Agency
Physical modification	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through River Restoration Programme for protected areas (see Annex D) (SE0333)	South East RBD	2012	Environment Agency; Natural England
Physical modification	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through a Flood Management Programme (see Annex D) (SE0326)	South East RBD	2012	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through River Restoration Scheme (see Annex D) (SE0334)	South East RBD	2012	Environment Agency; Natural England
Physical modification; Nutrients; Abstraction and other artificial flow pressures	Contribute to achievement of favourable condition on Lewes Brooks SSSI, The New Forest SSSI and Dungeness, Romney Marsh and Rye Bay SSSI by implementing agri-environment scheme (SE0312)	New Forest Catchment; Rother Catchment; Adur and Ouse	2010	Natural England
Physical modification; Priority Hazardous Substances, Priority Substances and Specific Pollutants	Adopt the Maintenance Dredging Protocol to ensure all conservation aspects are considered in relation to the Natura 2000 network, in connection with maintenance dredging requirements. Where possible, the consideration of ensuring good status or good ecological potential will be included in the production of the Baseline Document. Outcome: Production of agreed Baseline Documents by Ports and Harbour Authorities where maintenance dredging occurs. (SE0309)	South East RBD	2012	Defra; Ports and Harbours Authorities (Marine and Fisheries Agency; Natural England; Environment Agency; Solent Forum)
Physical modification; Sediments (as a direct pollutant); Nutrients	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through the England Catchment Sensitive Farming Initiative (see Annex D) (SE0337)	South East RBD	2012	Natural England

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Sediments (as a direct pollutant); Direct biological pressures; Nutrients	Contribute to achievement of favourable condition on Alresford Pond SSSI by implementing lake restoration project (SE0311)	Test & Itchen	2012	Environment Agency; Natural England
Sediments (as a direct pollutant); Nutrients	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas by developing a pollution action plan for protected areas (see Annex D) (SE0321)	South East RBD	2012	Environment Agency; Natural England
Nutrients; Sediments (as a direct pollutant)	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through regulatory investigation into diffuse pollution (see Annex D) (SE0332)	South East RBD	2010	Environment Agency; Natural England
Direct biological pressures; Abstraction and other artificial flow pressures; Physical modification	Contribute to achievement of favourable condition on St. Leonard's Park Ponds SSSI, Pevensey Levels SSSI, Dungeness, Romney Marsh and Rye Bay SSSI and New Forest SSSI by investigating hydrology (SE0317)	New Forest Catchment; Rother Catchment; Test & Itchen Catchment; Cuckmere & Pevensey Levels Catchment; Arun & Western Streams Catchment	2012	Natural England; Environment Agency

C.6 Environment Agency

The Environment Agency was established by the 1995 Environment Act and became fully operational on 1 April 1996. The Agency is a Non-Departmental Public Body of the Department for Environment, Food and Rural Affairs. The Secretary of State for Environment, Food and Rural Affairs has the lead sponsorship responsibility for the Agency as a whole and the Agency is accountable to the Secretary of State for its day to day operations in England.

The Agency's principal aim is to protect and enhance the environment and in doing so to contribute towards achieving sustainable development. In support of this aim, the Agency was identified as the "competent authority" for the implementation of the Water Framework Directive, a role which complements its broad range of functions which include Integrated Pollution Prevention and Control, Integrated Pollution Control, Waste Management, Water Quality, Land Quality, Water Resources, Conservation, Recreation, Fisheries, Flood Risk Management, Navigation and Radioactive Substances Regulation.

The Agency's structure in the South East River Basin District is based on one regional office in Guildbourne House, Worthing, which operates through 2 Areas. The Solent and South Downs (SSD) area includes Hampshire, Isle of Wight and West Sussex, and the Kent and East Sussex (KES) area includes East Sussex and South of Kent. North Kent is included in the Thames District. Regions and Areas ensure national priorities are delivered at a local level while taking account of the needs of local communities and stakeholders. Head Office is responsible for corporate management of the Agency, including policy development, strategic and operational objective setting and performance management.

Table C6: **Actions for Environment Agency**

See next page for action table

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Environment Agency				
National Actions				
Abstraction and other artificial flow pressures	Extension of abstraction control to include previously exempt uses (abstractions by Ports and Harbour authorities from tidal waters under certain conditions likely to remain exempt) (SE0002)	South East RBD	2012	Environment Agency
Abstraction and other artificial flow pressures	Registration for previously exempt activity: abstraction of water within water meadow systems. (SE0001)	South East RBD	2012	Environment Agency
Ammonia; Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances & Specific Pollutants	Prioritisation of vulnerable groundwater areas which may need provision of first time rural sewerage under Water Resources Act (1991) s101 targeting Source Protection Zone 1 and Groundwater Flooding areas. Outcome - identification of priority areas to use in liaison with Local Planning Authorities (SE0011)	'Brighton Chalk Block; Central Hants Bracklesham Group; Central Hants Lambeth Group; Chichester-Worthing-Portsdown Chalk; Hastings Beds Cuckmere and Pevensey Levels; IOW Southern Downs Chalk; Kent Isle of Thanet Chalk; Kent Romney Marsh; Kent Weald Eastern - Rother; Lower Greensand Arun & Western Streams; River Itchen Chalk; River Test Chalk; Lower Greensand Adur & Ouse; Arun & Western Streams Hastings Bed; East Hants Lambeth Group; South East Hants Bracklesham Group	2012	Environment Agency
Direct biological pressures; Direct biological pressures	Make appropriate use of existing legislative powers e.g. prohibit the sale of high-risk species; Salmon and freshwater fish act (S30); Import of live fish act; Wildlife and Countryside Act 1981; Environment Agency Fisheries byelaws; Convention on biological diversity; NERC Act; Habitats Directive; IMO convention on ballast water) (SE0030)	South East RBD	2012	Central Government; Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Direct biological pressures; Direct biological pressures	Draw up Individual Species Action Plans for non-native invasive species identified as presenting particular risk levels, to minimise the risks associated with them. (SE0024)	South East RBD	2012	Central Government; Environment Agency
Direct biological pressures; Direct biological pressures	Provide advice and training on identification, control and disposal of invasive non-native species to all relevant groups and encourage monitoring schemes. (SE0031)	South East RBD	2012	Central Government; Environment Agency
Direct biological pressures; Direct biological pressures	Work to raise awareness of the of the risks of transferring invasive non-native species to the wild, amongst the public and target groups. (SE0037)	South East RBD	2010	Central Government
Direct biological pressures; Direct biological pressures	Control and eradication of topmouth gudgeon (<i>Pseudorasbora parva</i>) and water primrose (<i>Ludwigia grandiflora</i>) at selected sites (SE0020)	South East RBD	2012	Central Government; Environment Agency
Direct biological pressures; Direct biological pressures	Support established local fora for invasive non-native species, by providing advice and guidance and support control actions. (SE0035)	South East RBD	2012	Central Government; Environment Agency
Direct biological pressures; Direct biological pressures	Implement the water related actions of the Invasive Non Native Species Framework Action Plan for Great Britain (SE0027)	South East RBD	2012	Defra; Environment Agency (Local Authorities; Fisheries and Angling Interests)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Direct biological pressures; Direct biological pressures	Seek sustainable and cost-effective methods for managing established invasions, such as biological control (SE0033)	South East RBD	2012	Central Government; Environment Agency
Direct biological pressures; Direct biological pressures	Establish National Invasive Non-Native Species Forums to plan, prioritise and coordinate action (SE0026)	South East RBD	Implemented	Central Government
Direct biological pressures; Direct biological pressures	Develop and implement codes of practice to reduce the spread of invasive non-native species (SE0022)	South East RBD	2012	Central Government; Environment Agency
Direct biological pressures; Direct biological pressures	Integrate invasive non-native species control measures across all policy areas (SE0029)	South East RBD	2012	Central Government; Environment Agency
Direct biological pressures; Direct biological pressures	Reduction of extent of invasive non-native species by operations (SE0032)	South East RBD	2012	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Dredging (sediment management)	Develop dredging and disposal framework (Ports sector), which will provide guidance to all those undertaking or permitting navigation dredging and dredged material disposal activities to assist in achieving the statutory objectives of the Water Framework Directive and related EQS Directive (2008/105/EEC) and refine local measures as appropriate (where not disproportionately costly or technically infeasible) (SE0040)	Adur; Arun; Beaulieu River; Bembridge Harbour Lagoon; Black Water Lagoons; Chichester Harbour; Chichester Harbour East; Cuckmere; Eastern Yar; Great Deep; Isle Of Wight East; Kent North; Kent South ; Langstone Harbour; Langstone Oysterbeds; Lymington; Medina; Newtown River; Old Mill Ponds; Ouse; Pagham Harbour; Pagham Lagoon; Portsmouth Harbour; Rother; Solent; Southampton Water; Sowley Marsh; Stour (Kent); Sussex; Sussex East; Ternery Pool; ; Wallington; Western Yar; Whitstable Bay; Wootton Creek	Implemented	Environment Agency
Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Nitrate; Ammonia; Priority Substances & Specific Pollutants	Water Company assesment of integrity of sewer network to assess potential nitrogen inputs from sewerage system in Source Protection Zone area of Deal, with view to reducing losses to ground. (SE0160)	East Kent Chalk - Stour	2012	Water companies

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances & Specific Pollutants	Implement DCLG Planning Policy Guidance Statement 23 (PPS23) on controlling pollution of groundwater (SE0067)	South East RBD	Implemented	Local Authorities
Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances and Specific Pollutants (Metals)	Comply with Environment Agency Notices (Water Resources Act S86 and S161, Groundwater Regulations, contaminated land legislation, Silage Slurry and Agricultural Fuel Oils Regulations). Make use of site specific notices to remove pollution risks to groundwater (SE0066)	South East RBD	Implemented	Land managers and owners; Environment Agency (Local Authorities)
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Development planning: land contamination - site specific advice and required action for remediation of contaminated land through planning liaison (SE0055)	South East RBD	Implemented	Environment Agency; Local Authorities

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Groundwater protection advice to Chemicals Regulation Directorate (formerly the Pesticides Safety Directorate) approvals process (SE0166)	South East RBD	Implemented	Central Government; Environment Agency
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Fire service Memorandum of Understanding (MoU) on implementing pollution control measures in emergencies (SE0048)	South East RBD	Implemented	Local Authorities; Environment Agency
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Enforcement of Groundwater Regulations to control agricultural chemicals through Cross Compliance (SE0056)	South East RBD	Implemented	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Proposed oil pipelines Operating Agreement(s) (SE0051)	South East RBD	2012	Environment Agency; Industry leads
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Total Oil Operating agreement (SE0064)	South East RBD	Implemented	Environment Agency; Industry leads
Isoproturon	Recently introduced UK-wide restrictions will see decreasing trend in emissions of Isoproturon, and probable compliance by 2015 with no further action. (SE0068)	South East RBD	Implemented	Chemicals Regulation Directorate
Mercury and its compounds	Recently introduced restrictions across the UK will see decreasing trend in the emissions of mercury and it's compounds, and probable compliance by 2015 with no further action (SE0069)	South East RBD	Implemented	Central Government; Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Microbiology; Nutrients; Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants; Organic pollutants	Maintain a nationally funded advice-led partnership under the England Catchment Sensitive Farming Initiative to reduce diffuse water pollution from agriculture in at risk catchments and promote sustainable farming practice. (SE0070)	Chichester-Worthing-Portsdown Chalk; East Hants Chalk; IOW Central Downs Chalk; IOW Southern Downs Chalk; Kent Isle of Thanet Chalk; Littlehampton Anticline East; Isle of Wight Catchment; Rother Catchment; Stour Catchment; Test & Itchen Catchment ; Arun & Western Streams Catchment	Implemented	Natural England; Environment Agency
Microbiology; Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants; Nutrients; Organic pollutants	Progress delivery of cross-compliance inspection and enforcement (SE0071)	South East RBD	2010	Environment Agency (Defra; Rural Payments Agency)

Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nitrate	Waste exemptions - low risk approach to waste regulation activities (SE0079)	South East RBD	Implemented	Environment Agency
Nitrate	Enforcement of Sludge Regulations through cross compliance (SE0073)	South East RBD	Implemented	Environment Agency (Land managers and owners)
Nitrate; Ammonia; Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Establish further the nationally funded advice-led partnership under the England Catchment Sensitive Farming Initiative to reduce diffuse water pollution from agriculture in at risk catchments and promote sustainable farming practice. (SE0085)	South East RBD	2012	Natural England; Environment Agency
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	NetRegs (Environmental Guidance to Business) - External education on groundwater pollution legislation (SE0174)	South East RBD	Implemented	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Proactive targeted farmer education on control of agri-chemicals and nitrate (SE0083)	South East RBD	Implemented	Environment Agency
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Provide development planning standing advice (SE0084)	South East RBD	Implemented	Environment Agency
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances and Specific Pollutants (Metals)	Registrations (in conjunction with Standard Rules) - Implement new regulatory approach (via Environmental Permitting Regulations) arising from implementation of the new Groundwater Directive (2006/116/EC) (SE0089)	South East RBD	2012	Environment Agency (Industry leads; Land managers and owners; Water companies)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients	Establish and enforce Nitrate Vulnerable Zones in catchments at a high risk from nitrate pollution, requiring farmers to follow a programme of measures to reduce nitrate entering the water from farmland. (see map D6 in annex D) (SE0090)	South East RBD	Implemented	Defra; Environment Agency
Nutrients	Local campaign to decrease input of nitrates to groundwater bodies and assess likely contributors to high nitrates. Outcome: Contribute to improved groundwater quality. (SE0091)	South East RBD	2012	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Acidification; Microbiology; Organic pollutants; Physical modification; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant); Direct biological pressures; Direct biological pressures	Where appropriate, subject to the Environment Agency carrying out a 12 week public consultation and making an appropriate case to the Secretary of State, designate a limited number of Water Protection Zones. Regulatory tool to control diffuse pollution in high risk areas where other mechanisms are not working or are unlikely to work Initially around 8 candidate locations across England. Potential for designation from 2010 with possibility of further WPZs by 2012 (SE0114)	South East RBD	2012	Environment Agency
Phosphate	Conduct modelling on Weatherlees STW to assess bacteriological impact on Shellfish Waters (SE0096)	South East RBD	2012	Water companies; Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Plans, processes and programmes (such as the Environment Agency Navigation and Recreation strategies) will be aligned to the requirements of hydromorphology to achieve Water Framework Directive objectives (especially ecological potential). This will be two fold: i) Mitigation measures required to reach good ecological potential will be identified in and delivered through such plans, and ii) the prioritisation of environmental improvements will be influenced by the specific requirements to reach Water Framework Directive objectives. (SE0145)	South East RBD	Implemented	Environment Agency
Physical modification	A central spatially-enabled hydromorphological database will be created, this will provide a system that will quickly and reliably, supply data to better understand hydromorphological impacts of modifications to water bodies. it will be used to provide available hydromorphological data as an input into the approval/assessment processes for new physical modifications to ensure compliance with Water Framework Directive requirements, especially those related to Article 4(7). (SE0117)	South East RBD	2010	Environment Agency
Physical modification	Water Framework Directive mitigation measures manual for flood and coastal erosion risk management and land drainage activities. This manual will set out best practice options for measures to mitigate against the impacts of such activities upon ecology. This will be used to ensure that new and existing schemes and management activities will take into consideration Water Framework Directive requirements and will results in minimal ecological damage. (SE0146)	South East RBD	2010	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Flood/Coastal Erosion Risk Management Measure - Sediment management strategies (develop and revise) which could include a) substrate reinstatement, b) sediment traps, c) allow natural recovery minimising maintenance, d) riffle construction, e) reduce all bar necessary management in flood risk areas (SE0139)	Combe Haven between Powdermill Str conf and Coast; Marsham and Pannel Sewers; River Itchen; Sussex East	2011	Environment Agency
Physical modification	Flood/Coastal Erosion Risk Management Measure - Appropriate channel maintenance strategies and techniques e.g. remove woody debris only upstream of, or within, areas of urban flood risk; minimise disturbance to channel bed and margins (SE0119)	R. Eastern Yar; River Itchen	2011	Environment Agency
Physical modification	Flood/Coastal Erosion Risk Management Measure - Structures or other mechanisms in place and managed to enable fish to access waters upstream and downstream of the impounding works. (SE0141)	North Chislet Marsh; River Itchen; Stour (Kent); Sussex East; Walland Marsh, Iden To Appledore	2011	Environment Agency
Physical modification	Flood/Coastal Erosion Risk Management Measure - Preserve (e.g. fencing) and where possible enhance ecological value of marginal aquatic habitat, banks and riparian zone (SE0132)	Combe Haven between Powdermill Str conf and Coast; Marsham and Pannel Sewers; R. Eastern Yar; River Itchen; Sussex East	2011	Environment Agency
Physical modification	Flood/Coastal Erosion Risk Management Measure - Appropriate techniques to align and attenuate flow to limit detrimental effects of these features (drainage) (SE0121)	River Itchen; Sussex East; Walland Marsh, Iden to Appledore	2011	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Flood/Coastal Erosion Risk Management Measure - Preserve and where possible enhance ecological value of marginal aquatic habitat, banks and riparian zone (SE0133)	Iford Marshes; Pevensey Haven between Rickney and Pevensey; R. Eastern Yar; River Itchen	2011	Environment Agency
Physical modification	Flood/Coastal Erosion Risk Management Measure - Removal of hard bank reinforcement / revetment, or replacement with soft engineering solution (SE0135)	River Itchen; Marsham And Pannel Sewers; Stour (Kent); North Chislet Marsh; Sussex East; Combe Haven Between Powdermill Str Conf And Coast	2011	Environment Agency
Physical modification	Flood/Coastal Erosion Risk Management Measure - Appropriate water level management strategies, including timing and volume of water moved (SE0124)	Arun (Lower); Iford Marshes; Pevensey Haven between Rickney and Pevensey; R. Eastern Yar; River Itchen	2011	Environment Agency
Physical modification	Flood/Coastal Erosion Risk Management Measure - Flow manipulation (e.g. construct structures to normalise flow; realign frontage) (SE0127)	Arun (Lower); Iford Marshes; Pevensey Haven between Rickney and Pevensey; River Itchen	2011	Environment Agency
Physical modification	Flood/Coastal Erosion Risk Management Measure - Operational and structural changes to locks, sluices, weirs, beach control, etc (SE0131)	Arun (Lower); Iford Marshes; North Chislet Marsh; Pevensey Haven between Rickney and Pevensey; R. Eastern Yar; River Itchen; STOUR (KENT); Sussex East; Walland Marsh, Iden to Appledore	2011	Environment Agency
Physical modification	Flood/Coastal Erosion Risk Management Measure - Retain marginal aquatic and riparian habitats (channel alteration) (SE0138)	Arun (Lower); Combe Haven between Powdermill Str conf and Coast; Iford Marshes; Marsham and Pannel Sewers; Pevensey Haven between Rickney and Pevensey; R. Eastern Yar; River Itchen; Sussex East	2011	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Flood/Coastal Erosion Risk Management Measure - Preserve and, where possible, restore historic aquatic habitats (SE0134)	Combe Haven between Powdermill Str conf and Coast; Marsham and Pannel Sewers; R. Eastern Yar; River Itchen; Sussex East	2011	Environment Agency
Physical modification	Flood/Coastal Erosion Risk Management Measure - Indirect / offsite mitigation (offsetting measures) (SE0129)	Walland Marsh, Iden to Appledore	2011	Environment Agency
Physical modification	Flood/Coastal Erosion Risk Management Measure - Flood bunds (earth banks) (in place of floodwalls) (SE0126)	River Itchen	2011	Environment Agency
Physical modification	Flood/Coastal Erosion Risk Management Measure - Increase in-channel morphological diversity (SE0128)	River Itchen; Sussex East	2011	Environment Agency
Physical modification	Flood/Coastal Erosion Risk Management Measure - Alteration of channel bed (within culvert) (SE0118)	River Itchen; Sussex East	2011	Environment Agency
Physical modification	Flood/Coastal Erosion Risk Management Measure - Appropriate techniques (invasive species) (SE0120)	Combe Haven between Powdermill Str conf and Coast; Hook Lake; Iford Marshes; Marsham and Pannel Sewers; Pevensey Haven between Rickney and Pevensey; R. Eastern Yar; River Itchen; Sussex East	2011	Environment Agency
Physical modification	Flood/Coastal Erosion Risk Management Measure - Appropriate vegetation control technique (SE0123)	Combe Haven between Powdermill Str conf and Coast; Hook Lake; Marsham and Pannel Sewers; R. Eastern Yar; River Itchen; Sussex East	2011	Environment Agency
Physical modification	Flood/Coastal Erosion Risk Management Measure - Appropriate timing (vegetation control) (SE0122)	Arun (Lower); Hook Lake; Marsham and Pannel Sewers; R. Eastern Yar; River Itchen; Sussex East	2011	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Flood/Coastal Erosion Risk Management Measure - Managed realignment of flood defence (SE0130)	Marsham and Pannel Sewers	2011	Environment Agency
Physical modification	Flood/Coastal Erosion Risk Management Measure - Selective vegetation control regime (SE0140)	Combe Haven between Powdermill Str conf and Coast; Hook Lake; Marsham and Pannel Sewers; R. Eastern Yar; River Itchen; Sussex East	2011	Environment Agency
Physical modification	Flood/Coastal Erosion Risk Management Measure - Bank rehabilitation / reprofiling (SE0125)	ADUR; Arun; Hook Lake; River Itchen; Sussex East, Walland Marsh, Iden to Appledore	2011	Environment Agency
Physical modification	Flood/Coastal Erosion Risk Management Measure - Re-opening existing culverts (SE0137)	River Itchen; Sussex East	2011	Environment Agency
Physical modification	Flood/Coastal Erosion Risk Management Measure - Remove obsolete structure (SE0136)	River Itchen; Sussex East; Walland Marsh, Iden to Appledore	2011	Environment Agency
Physical modification; Abstraction and other artificial flow pressures	Actions to reduce the physical impacts of urban development activities in artificial or heavily modified water bodies (as specified in annex B) (SE0147)	South East RBD	Implemented	Local Authorities (Environment Agency)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification; Direct biological pressures; Direct biological pressures	Support the process of Marine Conservation Zone designation within inshore areas in the Eastern English channel. Outcome: A coherent network of Marine Protected Areas within the Eastern Channel. (SE0039)	South East RBD	2012	Natural England; Sea Fisheries Committee; Shellfish Association of Great Britain; Marine Stewardship Council; Balanced Seas; Inshore Fisheries and Conservation Authorities
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Provide advice to small and medium sized businesses on obligations in relation to priority substances, priority hazardous substances and specific pollutants through NetRegs website (SE0152)	South East RBD	2012	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Review existing controls for disposal of dredgings inside and outside harbour limits as appropriate (SE0190)	Adur; Arun; Beaulieu River; Bembridge Harbour Lagoon; Black Water Lagoons; Chichester Harbour; Chichester Harbour East; Cuckmere; Eastern Yar; Great Deep; Isle Of Wight East; Kent North; Kent South ; Langstone Harbour; Langstone Oysterbeds; Lymington; Medina; Newtown River; Old Mill Ponds; Ouse; Pagham Harbour; Pagham Lagoon; Portsmouth Harbour; Rother; Solent; Southampton Water; Sowley Marsh; Stour (Kent); Sussex; Sussex East; Ternery Pool; ; Wallington; Western Yar; Whitstable Bay; Wootton Creek	2012	Marine and Fisheries Agency; Defra
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Review existing controls for dredging inside and outside harbour limits as appropriate (SE0191)	Adur; Arun; Beaulieu River; Bembridge Harbour Lagoon; Black Water Lagoons; Chichester Harbour; Chichester Harbour East; Cuckmere; Eastern Yar; Great Deep; Isle Of Wight East; Kent North; Kent South ; Langstone Harbour; Langstone Oysterbeds; Lymington; Medina; Newtown River; Old Mill Ponds; Ouse; Pagham Harbour; Pagham Lagoon; Portsmouth Harbour; Rother; Solent; Southampton Water; Sowley Marsh; Stour (Kent); Sussex; Sussex East; Ternery Pool; ; Wallington; Western Yar; Whitstable Bay; Wootton Creek	2012	Marine and Fisheries Agency; Defra
Saline intrusion	Catchment Abstraction Management Strategies – Implement abstraction licensing controls to minimise and manage risks from saline intrusion (SE0176)	South East RBD	Implemented	Environment Agency; Water companies

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Ammonia; Faecal indicator organisms; Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Review of consent limits following AMP4 work findings at Lydd. Investigation of increased flow due to population growth area, under PR09 (SE0157)	Kent Romney Marsh	2012	Environment Agency
Dredging and trawling (commercial fishing and shellfish)	Investigation into the impact of commercial shell and fin fisheries to improve the risk assessment of the impact of these activities on ecology and to identify appropriate measures. The work will be driven by case studies, the outcomes of which can be applied nationally. (SE0041)	South East RBD	2010	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Ammonia; Nitrate; Priority Substances & Specific Pollutants	Review of storm overflow discharge following AMP4 work findings - ongoing investigation at Ottinge Waste Water Pumping Station (SE0158)	East Kent Chalk - Stour	2012	Environment Agency
Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Nitrate; Ammonia; Priority Substances & Specific Pollutants	Consent review following AMP4 investigation of sewage discharge to ground at Offham, Sussex (SE0043)	Brighton Chalk Block	2012	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nitrate; Hazardous substances and non-hazardous pollutants; Faecal indicator organisms; Ammonia; Priority Substances & Specific Pollutants	Consent review following AMP4 investigation of sewage discharge to ground at East Dean Waste Water Pumping Station (SE0175)	Seaford and Eastbourne Chalk Block	2012	Environment Agency
Physical modification	Investigations into the ecological outcomes of measures required to mitigate against the effects of flood and coastal risk management activities, improving the understanding of the cost/benefit and technical feasibility of such measures and developing understanding of the underlying processes, ecological responses and applicability. Case studies will be used and the outcomes will have a national application. (SE0142)	South East RBD	2010	Environment Agency
Physical modification	Monitoring and investigation into mitigation measures techniques, to establish their effectiveness and improve understanding of hydromorphological and ecological interactions. The outcomes from this work will be applied nationally. (SE0143)	South East RBD	2011	Environment Agency
Physical modification	Monitoring and investigation of the effectiveness of river restoration work undertaken at Shopham Loop, on the long term sustainability of the catchment. (SE0144)	Arun & Western Streams Catchment	2010	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification; Abstraction and other artificial flow pressures; Direct biological pressures; Direct biological pressures	Investigate then implement actions in the sea trout and salmon action plans, in order to contribute to good status waters (SE0038)	South East RBD	2012	Environment Agency (Fisheries and Angling Interests)
Pressures on groundwater balance	Investigation to determine cost effective action to manage abstraction to support good groundwater quantitative status (SE0148)	Brighton Chalk Block	2012	Environment Agency
Pressures on groundwater dependent ecosystems; Pressures on groundwater balance; Abstraction	Investigation to improve confidence in groundwater quantitative status result (SE0149)	Brighton Chalk Block; Chichester-Worthing-Portsdown Chalk; IOW Central Downs Chalk; IOW Lower Greensand; Kent Greensand Eastern; Kent Isle of Thanet Chalk; Littlehampton Anticline East; Littlehampton Anticline West; Lower Greensand Arun & Western Streams; Seaford and Eastbourne Chalk Block	2012	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Saline intrusion; Pressures on groundwater dependent ecosystems	Investigation to verify risk of deterioration in groundwater quantitative status (SE0177)	Brighton Chalk Block; Central Hants Bracklesham Group; Central Hants Lambeth Group; Chichester-Worthing-Portsdown Chalk; East Hants Chalk; East Kent Tertiaries; IOW Central Downs Chalk; IOW Lower Greensand; IOW Solent Group; Kent Isle of Thanet Chalk; River Test Chalk; South Hants Lambeth Group	2012	Environment Agency
Tributyltin (TBT) compounds	Investigate the reason for failure: to assess the contribution from dredging or disposal activities on EQS compliance as appropriate (SE0188)	Adur; Aldingbourne Rife; Cuckmere From Alfriston To Arlington; Great Stour Between A2 And West Stourmouth; Great Stour Between Ashford And Wye; Great Stour Between Wye And A2; Kent South ; Lower Rother From Robertsbridge To Iden; R. Arun (U/S Pallingham); R. Rother (West Sussex); River Blackwater; Solent; Southampton Water; Test (Lower)	2012	Environment Agency
Abstraction and other artificial flow pressures	Investigation to determine cost effective action to manage abstraction to support good ecological potential: Hamble, river Ems, river Lavant and river Wallington (SE0004)	Chichester-Worthing-Portsdown Chalk; East Hants Chalk; Hamble; R. Ems; R. Lavant (Sussex); R. Wallington	2012	Portsmouth Water (Environment Agency)
Abstraction and other artificial flow pressures	Investigation to determine cost effective action to manage abstraction to support good ecological potential: Lewes Winterbourne (SE0005)	Brighton Chalk Block; Winterbourne Steam at Lewes	2012	Southern Water (Environment Agency)
Abstraction and other artificial flow pressures	Programme of investigation into the ecological impacts of managed flows in heavily modified water bodies, for water supply use (SE0007)	South East RBD	2012	Water companies, Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures	Investigations at sites identified under the Restoring Sustainable Abstraction Programme (where funded) (SE0006)	South East RBD	2012	Environment Agency
Abstraction and other artificial flow pressures	Review and improve Environmental Flow Indicators (SE0008)	South East RBD	2012	Environment Agency
Abstraction and other artificial flow pressures	Improve flow estimates for surface water bodies (SE0003)	South East RBD	2012	Environment Agency
Physical modification; Abstraction and other artificial flow pressures	Actions to reduce the physical impacts of public water supply in artificial or heavily modified water bodies e.g. enabling fish to access waters up stream and down stream of reservoirs (as specified in annex B) (SE0344)	South East RBD	Implemented	Water companies (Environment Agency)
Local Actions				

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures	Ensure that local spatial plans include policies to secure developer contributions for retrofitting water efficiency measures in existing housing stock, in water stressed areas. Outcome: From 2011 adopted local spatial plans, such as Area Action Plans and Supplementary Planning Documents, include policies to seek Section 106 monies (and Community Infrastructure Levy contributions where relevant) for the retrofitting of existing housing stock in water stressed areas. This will reduce the pressure of increased abstraction on the environment. (SE0220)	South East RBD	2011	Local Authorities (Environment Agency; South East England Partnership Board)
Abstraction and other artificial flow pressures	Ensure that local spatial planning policies for new development set out strong requirements for water efficiency measures. Outcome: Adopted Development Plan Documents include policies on (i) water efficiency measures for new development that seek to achieve Code for Sustainable Homes Level 3 and 4 (105 litres a day per capita consumption) as a minimum, and (ii) water efficiency measures for business and commercial developments (such as rainwater harvesting and recycling). (SE0219)	South East RBD	2012	Local Authorities (Environment Agency; Land managers and owners; South East England Partnership Board)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures	Develop and provide approved sustainable water management planning guidance to ensure that the impacts of development on the water environment are fully understood. Outcome: Produce planning guidance in partnership with Royal Town Planning Institute on the obligations of the Water Framework Directive and Spatial Planning. Deliver a series of updated seminars in association with key partners for planners. (SE0206)	South East RBD	2012	Environment Agency (Department for Communities and Local Government; Royal Town Planning Institute; Natural England; South East England Partnership Board)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures	Develop and provide approved planning guidance to ensure that the impacts of development on the water environment are fully understood. Outcome: Produce planning guidance in partnership with Royal Town Planning Institute on the obligations of the Water Framework Directive and Spatial Planning. Deliver a series of updated seminars in association with key partners for planners. (SE0205)	South East RBD	2012	Environment Agency (Department for Communities and Local Government; Royal Town Planning Institute; Natural England; South East England Partnership Board)
Abstraction and other artificial flow pressures	Proactively review all actual abstractions against licensed quantity and, where appropriate, modify the licences for a more sustainable abstraction rate. Work to be prioritised across the river basin district by Catchment Abstraction Management Strategies water availability status. Outcome: Reduce the risk of deterioration in status of water bodies due to water availability (SE0265)	South East RBD	Implemented	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures	Seek opportunities, such as supporting retro-fit initiatives, to improve water efficiency in existing homes and buildings. Outcome: Average per capita consumption is reduced towards meeting the Regional Economic Strategy target of 135 l/h/d by 2016 and as a result abstraction pressures on the environment are reduced. (SE0297)	South East RBD	2012	Environment Agency; South East England Development Agency
Abstraction and other artificial flow pressures	Promote small-scale storage reservoirs to businesses, where they can be justified in the context of the twin track approach of resource development and demand management, and are proven to be resilient to a range of hydrological events. Outcome: Abstraction pressures are reduced during low flow periods (SE0271)	South East RBD	Implemented	Environment Agency (South East England Development Agency; National Farmers' Union)
Abstraction and other artificial flow pressures	Take appropriate action to progress the implementation of schemes in the Restoring Sustainable Abstraction programme. Outcome: A clear understanding of when and how schemes will be implemented, to contribute towards good status/ ecological potential through sustainable abstraction regimes. (SE0300)	South East RBD	Implemented	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures	Promote water recycling and rainwater harvesting where cost-effective, appropriate and used together with other demand management measures. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0277)	South East RBD	2012	Environment Agency (Central Government; Water companies; South East England Development Agency)
Abstraction and other artificial flow pressures	Encourage all rural businesses to adopt water efficiency measures, such as rainwater harvesting and recycling and use of storage reservoirs to support summer irrigation. Outcome: There is enough water for people, their businesses and the environment. (SE0213)	Isle of Wight Catchment; Rother Catchment; Stour Catchment; Arun & Western Streams Catchment	2012	Environment Agency; Central Government (Abstractors; Business and Industry)
Abstraction and other artificial flow pressures	Work with the water companies in the South East to encourage sharing of existing and future resources including consideration of transfers and interconnectivity of supply systems. Outcome: Abstraction pressures on the environment are reduced. (SE0308)	South East RBD	Implemented	Environment Agency; Water companies
Abstraction and other artificial flow pressures	Develop and implement a demand management campaign including targeting specific non-household sectors (e.g. review Fawley water use, 'Ensuring water for all' project). Outcome: Abstraction pressures on the environment are reduced (SE0204)	South East RBD	2010	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures	Encourage more water companies to achieve universal water metering more rapidly and to implement variable tariffs. Outcome: Reduction in per capita consumption will contribute towards a more sustainable abstraction regime. (SE0214)	South East RBD	2012	Environment Agency
Abstraction and other artificial flow pressures	Coordinated education and awareness on water efficiency and re-use to promote value of water. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0203)	South East RBD	2012	Water companies; Environment Agency
Abstraction and other artificial flow pressures	Water efficiency requirements in Environmental Permitting Regulation (EPR) permits. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0304)	South East RBD	Implemented	Environment Agency
Abstraction and other artificial flow pressures	Run education projects to raise awareness of the importance of water conservation on the Isle of Wight and encourage water saving. Outcome: Abstraction pressures on the water environment are reduced. (SE0295)	Isle of Wight Catchment	Implemented	Isle of Wight Footprint Trust
Abstraction and other artificial flow pressures	Quantify the impacts of abstraction that are currently exempt from licensing (e.g. abstractions under 20 cubic metres). Outcome: Reduce the risk of deterioration in status of water bodies due to water availability (SE0280)	South East RBD	2012	Environment Agency
Abstraction and other artificial flow pressures	Quantify environmental flow requirements for ditches. Outcome: Delivery of Rother Catchment Abstraction Strategy actions to address the over-abstracted status of Walland Marsh (SE0279)	Rother	2010	Natural England; Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures; Nutrients	Ensure the requirement for Water Cycle Studies are set out in spatial planning documents and policies where appropriate, particularly in growth and/or high risk areas. Recommendations from such studies should be included in spatial planning policies. Outcome: Requirements for Water Cycle Studies are set out in spatial planning documents and policies by 2010, and undertaken for all Growth Areas within this plan area by 2012. Recommendations are included within Local Development Documents by 2012. (SE0222)	South East RBD	Implemented	Local Authorities; Environment Agency
Abstraction and other artificial flow pressures; Nutrients	Ensure that Green Infrastructure Strategies maximise potential benefits for water resources, water quality, drainage and flood risk management. Outcome: From 2010 all adopted Local Development Documents include Green Infrastructure Strategies, including sustainable water management. (SE0217)	South East RBD	Implemented	Local Authorities; Environment Agency
Ammonia; Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances and Specific Pollutants (Metals)	Assess the impact of historic coal mining on chalk groundwater, streams and marshes in East Kent, and identify future work required. Outcome: Action plan to improve groundwater and surface water body quality. (SE0195)	Water bodies in East Kent including East Kent Chalk Stour groundwater body and associated surface water bodies	2012	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Ammonia; Nitrate; Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Education and awareness of impact that discharges to ground have on the water quality of the beach / coastal waters, with view to convincing residents of need to connect to mains sewer system. Outcome: Improved quality of groundwater and coastal water. (SE0211)	Kent Romney Marsh	2012	Environment Agency
Ammonia; Nitrate; Hazardous substances and non-hazardous pollutants; Faecal indicator organisms; Priority Substances & Specific Pollutants	Voluntary and enforced groundwater remediation schemes under Part 2a of the Environmental Protection Act 1990, at a variety of sites both ongoing and proposed. Outcome: Improvements to water quality contributing to good status. (SE0303)	South East RBD	2012	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Direct biological pressures; Direct biological pressures	Contain and control invasive non-native species at priority sites through partnership working. Agree sites and action with the South East England Non-Native Invasive Species Action Group. Outcome: Spread of problem invasive species stopped and reversed, protecting important nationally and internationally designated habitats under threat from this pressure (SE0201)	New Forest Catchment; Arun & Western Streams ; Cuckmere & Pevensey Levels ; Test & Itchen	2012	Natural England; Environment Agency (Riparian owners; Land managers and owners; Forestry Commission; Local Authorities; Environmental NGOs)
Direct biological pressures; Direct biological pressures	Develop joint working between the Sea Fisheries Committees, Inshore Fisheries and Conservation Authorities and the Environment Agency on the collection of inshore data. Outcome: Improved understanding of pressures in the marine environment to enable better targeting and development of actions. (SE0207)	South East RBD	2012	Inshore Fisheries and Conservation Authorities; Environment Agency (Natural England; Local Authorities; Non-Governmental Organisations)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Direct biological pressures; Physical modification	Produce code of conduct for commercial fisheries and sea anglers to protect marine sites of nature conservation importance. Outcome: Marine sites of nature conservation importance are protected from damage by fishing activities. (SE0267)	Sussex; Sussex East; Isle of Wight East coastal water bodies	2012	Sussex Inshore Fisheries and Conservation Authority (Environment Agency; Natural England; Local Authorities; Non-Governmental Organisations)
Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Nitrate; Ammonia; Priority Substances & Specific Pollutants	Pollution prevention advice, campaign and enforcement at the following sites: Haine Road industrial estate, Lord of the Manor SPZ I and II, Manston airport and associated infrastructure, petrol stations, Pysons Road industrial estate, Rumfields SPZ I and II, Jentex Oil, and the Westwood area. Outcome: Less polluted groundwater. (SE0262)	Kent Isle of Thanet Chalk	2012	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Ammonia; Faecal indicator organisms; Nitrate; Priority Substances & Specific Pollutants	Pollution prevention advice and campaigns in high risk areas. Outcome; Improved groundwater and surface water quality. (SE0259)	Adur & Ouse Hastings Beds; Brighton Chalk Block; Central Hants Lambeth Group; Chichester-Worthing-Portsdown Chalk; East Hants Chalk; East Hants Lambeth Group; East Kent Chalk - Stour; East Kent Tertiaries; Hastings Beds Cuckmere and Pevensey Levels; IOW Central Downs Chalk; IOW Southern Downs Chalk; Kent Greensand Eastern; Kent Isle of Thanet Chalk; Kent Romney Marsh; Kent Weald Eastern - Rother; Littlehampton Anticline East; Lower Greensand Adur & Ouse; Lower Greensand Arun & Western Streams; Lower Greensand Cuckmere & Pevensey Levels; River Itchen Chalk; River Test Chalk; Seaford and Eastbourne Chalk Block; South Hants Lambeth Group	2012	Environment Agency
Hazardous substances and non-hazardous pollutants; Nitrate; Ammonia; Faecal indicator organisms; Priority Substances and Specific Pollutants (Metals)	Produce a scoping report for British Gypsum, Battle on all potential impacts of present day mining activity, waste disposal and discharges on groundwater and associated surface water systems and implications of improvements to groundwater body classification on surface water body classification. Outcome: Action plan to improve groundwater and surface water body quality. (SE0266)	Kent Weald Eastern - Rother	2012	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Local initiative to agree voluntary pollution prevention and remediation of existing land contamination for at risk sites. Outcome: Bringing land back into beneficial use and remove potential sources of groundwater contamination. (SE0250)	South East RBD	2012	Land managers and owners
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Agree voluntary pollution prevention and remediation of existing land contamination contributing to chlorinated solvents in River Wallington. Outcome: Improved water quality. (SE0193)	Central Hants Lambeth Group; East Hants Lambeth Group; South Hants Lambeth Group	2012	Environment Agency
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Pollution prevention advice and campaigns targeting oil care advice in high risk areas. Outcome: Better protection of groundwater and surface water quality. (SE0260)	Adur & Ouse Hastings Beds; Arun & Western Streams Hastings Beds; Brighton Chalk Block; Central Hants Bracklesham Group; Central Hants Lambeth Group; Chichester-Worthing-Portsdown Chalk; East Hants Lambeth Group; East Kent Chalk - Stour; Hastings Beds Cuckmere and Pevensey Levels; IOW Southern Downs Chalk; Kent Greensand Eastern; Kent Isle of Thanet Chalk; Kent Romney Marsh; Kent Weald Eastern - Rother; Lower Greensand Arun & Western Streams; Lower Greensand Cuckmere & Pevensey Levels; River Itchen Chalk; River Test Chalk; Seaford and Eastbourne Chalk Block; South East Hants Bracklesham Group	2012	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Microbiology; Hazardous substances and non-hazardous pollutants; Nutrients; Priority Substances & Specific Pollutants	Pollution prevention visits and campaigns targeted in high risk areas to address small and medium enterprises and industrial sites. Outcome; Improved groundwater and surface water quality. (SE0263)	Arun & Western Streams Hastings Beds; Brighton Chalk Block; Central Hants Bracklesham Group; Central Hants Lambeth Group; Chichester-Worthing-Portsdown Chalk; East Hants Lambeth Group; Hastings Beds Cuckmere and Pevensey Levels; IOW Southern Downs Chalk; Kent Isle of Thanet Chalk; Kent Romney Marsh; Kent Weald Eastern - Rother; Lower Greensand Adur & Ouse; Lower Greensand Arun & Western Streams; River Itchen Chalk; River Test Chalk; South East Hants Bracklesham Group	2012	Environment Agency
Microbiology; Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant)	Implement surface water management plans, ensuring water quality is considered on a catchment basis. Outcome: Increase resilience to surface water flooding, with fewer homes and critical infrastructures flooded. Works also improve control of diffuse pollution, provide opportunities for better wildlife habitat, and contribute to no deterioration of the water environment. (SE0234)	South East RBD	2012	Environment Agency (Local Authorities; Water companies)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nitrate; Ammonia; Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Priority Substances and Specific Pollutants (Metals)	Review of groundwater and surface water quality monitoring in East Kent Coalfields to determine state of network and spread of plume from former coal mine process water to assess potential ongoing impact on surface water bodies and groundwater dependant terrestrial ecosystems. Outcome: Action plan to improve groundwater and surface water body quality. (SE0292)	East Kent Chalk - Stour	2012	Environment Agency
Nitrate; Ammonia; Hazardous substances and non-hazardous pollutants; Faecal indicator organisms; Priority Substances & Specific Pollutants	Pollution prevention advice and campaigns - Promote awareness of risk to groundwater through swallow holes by educating landowners and generating concept of 'ownership'. Production of an appropriate GIS layer. Outcome; Improved groundwater quality. (SE0258)	South East RBD	2012	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nitrate; Hazardous substances and non-hazardous pollutants; Ammonia; Faecal indicator organisms; Priority Substances & Specific Pollutants	Pollution prevention advice and campaign at Waterworks Lane to protect groundwater body resource and Waterworks Lane PWS, Eastbourne. Outcome: Better protection of groundwater quality. (SE0256)	Seaford and Eastbourne Chalk Block	2012	Environment Agency
Nitrate; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant); Phosphate	Work with local authorities to establish a cost effective way of recycling green domestic waste on agricultural land to increase soil organic content. Outcome: Improved water quality through reducing agricultural run-off by improving soil structure using green waste (SE0305)	South East RBD	2012	Environment Agency; Local Authorities (National Farmers' Union)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients	Downs and Harbours Clean Waters Partnership to design and implement a strategy to tackle diffuse pollution in the Solent and groundwater in the South Downs. Outcome: Meet targets for key Sites of Special Scientific Interest, help address wider water quality issues and reverse nitrate trends in potable groundwater sources (SE0209)	East Hampshire Catchment; Arun & Western Streams Catchment	Implemented	Natural England; Environment Agency (Portsmouth Water)
Nutrients	Identify high risk locations for promoting good land management practice where there are a high number of horse related waste and pollution incidents. Outcome: No deterioration and improved water quality resulting from better management of organic waste from horses (SE0231)	South East RBD	2012	Environment Agency
Nutrients	Local campaign to decrease input of nitrates to groundwater bodies and assess likely contributors to high nitrates. Outcome: Take appropriate action, on a prioritised basis, to contribute to improved groundwater quality (SE0248)	South East RBD	2012	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Microbiology; Organic pollutants; Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants	Influence Town and Country Planning Act authorisation process to help minimise risk of diffuse pollution from new developments (e.g. implement SUDs and use of Water Resource Act Planning Guidance). Outcome; Improved groundwater and surface water quality. (SE0239)	South East RBD	Implemented	Local Authorities; Environment Agency

Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Direct biological pressures; Abstraction and other artificial flow pressures; Sediments (as a direct pollutant)	Promote sustainable water management best practice through pre-application discussions with developers (as set out in the Environment Agency's publication 'A guide for developers') and establish good practice for site clearance prior to development. Outcome: Builders and developers design buildings that incorporate sustainable water management measures. (SE0272)	South East RBD	Implemented	Environment Agency; Local Authorities (Business and Industry)
Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant)	Implementation of the Ashford Water Cycle Strategy (2006 - 2031) to ensure growth in Ashford does not compromise environmental capacity and quality. The first Water Action Plan (2006 - 2011) will focus on sustainable drainage systems, water efficiency, water quality of the River Stour and its tributaries, and water supply and wastewater infrastructure. Outcome: Improvements in water quality and supply as a result of growth in Ashford, contributing to achieving good status. (SE0236)	East Stour	Implemented	Ashford's Future (Environment Agency)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant)	A pilot project to incorporate water body information into Environmental Stewardship targeting guidance for the South Downs. Outcome: Reduced diffuse pollution from agriculture within at risk water bodies, and extend approach as applicable to other catchments. (SE0192)	East Hampshire Catchment; Cuckmere & Pevensey Levels ; Adur & Ouse ; Arun & Western Streams	2012	Natural England; Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant); Organic pollutants	Work with Natural England to target Catchment Sensitive Farming type activities and agri-environment schemes to ensure adoption of best farming practices. Outcome: Reduce diffuse pollution sources from agriculture within water bodies identified as being impacted or at risk. (SE0306)	Groundwater bodies: Lower Greensand Adur and Ouse; low Central Downs Chalk; Kent Romney Marsh; Central Hants Lambeth Group; South Hants Lambeth Group ; South West Hants Barton Group; Adur and Ouse Hastings Beds; Littlehampton Anticline East; Lower Greensand Arun and Western Streams; low Southern Downs Chalk; East Hants Chalk; Brighton Chalk Block; East Kent Chalk - Stour; Seaford And Eastbourne Chalk Block; Kent Isle Of Thanet Chalk; East Hants Lambeth Group; Chichester and Worthing Chalk; Kent Weald Eastern - Rother; Hastings Beds Cuckmere And Pevensey Levels; East Kent Tertiaries; River Itchen Chalk; Lower Greensand Cuckmere and Pevensey Levels; River Test Chalk; Kent Greensand Eastern Surface water bodies: Arun & Western Streams; Broad Rife, Lidsey Rife, R. Ems, Harting Stream, Stanbridge Stream Cuckmere & Pevensey Levels; Pevensey Haven between Rickney and Pevensey East Hampshire; Brownwich Stream, Horton Heath Stream, Potwell Trib, Steeple Court Stream Isle of Wight; Atherfield Stream, R. Eastern Yar, R. Medina, Thorley Brook, Rodge Brook, Monktonmead Brook, Palmers Brook, Gurnard Luck, Lukely Brook	2012	Natural England; Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant); Organic pollutants	Continued from above -- see additional waterbodies. Work with Natural England to target Catchment Sensitive Farming type activities and agri-environment schemes to ensure adoption of best farming practices. Outcome: Reduce diffuse pollution sources from agriculture within water bodies identified as being impacted or at risk. (SE0306)	Rother; Brede between Battle and Winchelsea, Tillingham, Lower Rother from Robertsbridge to Iden, Walland Marsh Iden to Appledore, Cradlebridge Petty Sewer, Tributary of Newmill Channel upstream of Rolvenden, Romney Marsh between Appledore and West Hythe, Socknersh Stream, Tillingham Stour; Wingham River, Little Stour, East Stour, North Chislet Marsh Test & Itchen; Cadnam River, Whiteparish Trib, Sherfield English Stream, Fairbourne Stream to Fishlake Meadows, Tadburn Lake, River Blackwater, R. Blackwater, Test (Lower), River Itchen, River Test, R. Test (Middle), River Test, R. Anton, Bow Lake	2012	Natural England; Environment Agency
Organic pollutants; Nutrients; Physical modification; Abstraction and other artificial flow pressures	Ensure that planning policies and spatial planning documents take into account the objectives of the South East River Basin Management Plan. Outcome: The proposed Single Regional Strategy (and any reviews of policies within the South East Plan) and emerging drafts fully integrate the requirements of this plan. From 2010 all adopted Local Development Documents include policies relating to sustainable water management. From 2010 all emerging Sustainable Community Strategies include reference to the achievement of sustainable water management within their strategic vision. (SE0221)	South East RBD	2012	Environment Agency; Local Authorities (South East England Partnership Board)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Organic pollutants; Nutrients; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Microbiology	Educate and raise awareness of the impact that small discharges to ground and surface water have on water quality of the receiving waters. Provide advice on maintenance of small treatment plants or advise residents of the need to connect to the mains sewer system. Outcome: All small discharges comply with the Water Framework Directive and other EC Directives. (SE0210)	Arun (Lower); Atherfield Stream; Bow Lake; Eden at Bough Beech; Glottenham Stream upstream of Robertsbridge; Hilden Brook; Langdown Stream; Lesser Teise; Loxwood Stream; Marchwood Park Stream Trb; Marsham and Pannel Sewers; Mid Medway from Eden Confluence to Yalding; Pippingford Brook; R. Adur East; R. Adur West; R. Alre; R. Ems; R. Medina; R. Stor; River Adur East (Goddards Green); River Itchen; River Itchen (Cheriton Stream); Sarre Penn, S. Chislet and Monkton Minster Marshes; Sholing Common Streams; Tributary of Beult at Sutton Valance; Tributary of Eden Brook ; Upper Rother, Coggins Mill to Five Ashes; Westwood Stream	2010	Environment Agency
Organic pollutants; Nutrients; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Microbiology	Run campaign to educate boat users regarding disposal of toilet waste, oil, solvent, paint and cleaning products in waters at risk from diffuse pollution. Outcome: This will supplement other actions and help ensure no deterioration in relevant water bodies (SE0294)	Transitional: Lymington, Beaulieu River, Southampton Water Medina, Wotton Creek, Bembridge Harbour, Lagoon, Wallington, Chichester Harbour East, Rother, Sour (Kent), Eastern Yar	2012	Environment Agency (Local Authorities; British Marine Federation; Ports and Harbours Authorities; Royal Yachting Association; Environmental NGOs)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants	Promote the 'Angler's Monitoring Initiative' to assess the status of river health. Outcome: Improve understanding of invertebrate populations, to help identify and understand environmental pressures (SE0273)	South East RBD	2012	Salmon and Trout Association; Fisheries and Angling Interests (Natural History Museum; Environment Agency)
Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Nutrients	Pollution prevention advice and local campaigns to provide targeted advice and enforcement in high risk areas on all rural diffuse pollution issues: farm and land management, domestic oil storage, septic tanks. Outcome: Diffuse pollution reduced through the adoption of best practices (SE0261)	South East RBD	Implemented	Environment Agency; Natural England (Local Authorities; Local industry associations)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Nutrients	Carry out a desk study into the origins, causes of and solutions to pollution where we need to improve certainty. Outcome: Improve our understanding of problems, in order to take effective action to address them. (SE0196)	Transitional: Eastern yar Cuckmere & Pevensey Levels; Glynleigh Sewer at Hailsham, Cuckmere from Alfriston to Arlington East Hampshire; R. Hamble New Forest; Cadland Stream, Bartley Water, R. Beaulieu Rother; Cradlebridge Petty Sewer, Hexden Channel, Cradlebridge Petty Sewer, Walland Marsh Iden to Appledore, Jury's Gut Sewer at Lydd Ranges, Newmill Channel downstream of A28, Walland Marsh Iden to Appledore	Implemented	Environment Agency
Physical modification	Reinstatement of gravel bed substrate where appropriate within 11 waterbodies in the Adur and Ouse catchment. Outcome: Improved hydromorphology. Better habitat for spawning and juvenile sea trout. (ART_25)	Adur & Ouse: Bevern Stream, Northend Stream at Cooksbridge, Longford Stream, Shortbridge Stream, Ridgewood Stream, Little Horsted Stream, Woodsmill Stream, Chess Stream, Herrings Stream, Black Sewer, Adur (Lancing brook).	2012	River Adur Conservation Society & Sussex Ouse Conservation Society (Environment Agency)
Physical modification	Address obstructions to fish passage where appropriate within 5 waterbodies in the Adur and Ouse catchment. Outcome: Improved freedom of upstream and downstream movement of eels, sea trout and other fish. (ART_26)	Adur & Ouse: Northend Stream, Shortbridge Stream, Herrings Stream, Black Sewer, Woodsmill Stream.	2012	River Adur Conservation Society & Sussex Ouse Conservation Society (Environment Agency)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Habitat enhancement of Andrew's Steam (River Ouse between Isfield and Coast). Outcome: Improved hydromorphology. Better habitat for fish and other wildlife along original course of the Sussex Ouse at Barcombe Mills (ART_39)	River Ouse between Isfield and Coast	2012	River Adur Conservation Society & Sussex Ouse Conservation Society (Environment Agency)
Physical modification	Ensure that local spatial planning documents include policies to secure habitat creation in floodplains through developer contributions, taking into consideration the Biodiversity Opportunity Areas. Outcome: From 2011 Development Plan Documents include policies to seek Section 106 monies (and Community Infrastructure Levy contributions where relevant) for floodplain habitat creation. To help address diffuse pollution, and contribute to flood storage measures. (SE0218)	South East RBD	2012	Local Authorities (Environment Agency; South East England Partnership Board)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Implement the 'Regional fish passage programme'. Outcome: All physical obstructions identified and prioritised. 25 obstructions addressed in the first plan, including Chartham Mill R.Stour, Efford Mill Avon Water, Tichfield Mill Meon, Durngate Itchen, Funtley Meon, Woodmill Itchen, Bishopstoke Mill Itchen, Woodsmill Stream Adur, Wineham Bridge Adur (SE0235)	Adur & Ouse; Woodsmill Stream, River Adur East (Sakeham) East Hampshire; R. Meon New Forest; Avon Water Stour; North and South Streams at Eastry Test & Itchen; River Itchen	2012	Environment Agency (Ouse and Adur Rivers Trusts; South Downs Joint Committee; Angling Trusts; Land managers and owners; Fisheries and Angling Interests)
Physical modification	Increase the amount of floodplain woodland by better targeting of the England Woodland Grant Scheme and through partnership projects. Outcome: More woodland in the right locations helps address diffuse pollution, water temperatures in fish spawning grounds, and contributes to flood storage (SE0238)	South East RBD	2012	Forestry Commission (Natural England; Environment Agency)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Restore degraded wetlands in the New Forest to improve the condition of nationally and internationally designated wildlife features, with reference to the New Forest Wetland Management Plan 2006-16. Outcome: No further deterioration in water body status, followed by status improvement (SE0291)	New Forest Catchment	2012	New Forest National Park Authority (Forestry Commission; Environment Agency; Natural England)
Physical modification	Promote and encourage sediment, vegetation and channel maintenance that enhances wildlife habitat and enables land drainage. Outcome: Protect, enhance, restore and retain marginal and in channel habitats. Improve fish movement and connection to floodplain. (SE0268)	South East RBD	2012	Environment Agency (Stour Internal Drainage Board; Romney Marshes Internal Drainage Board; Natural England; National Farmers' Union)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Establish a 'Regional Better Rivers Programme' to improve habitat and ecology in a first round of waters. Outcome: Improve ecological status or potential in 35 water bodies totalling 389 km in length (SE0223)	Test & Itchen; Monks Brook, Arle - Upstream of Drove Lane, River Blackwater, R. Test (Middle), R. Test (Middle), R. Test (Upper), River Itchen, R. Alre, R. Alre, R. Test, Tanner's Brook, Fairbourne Stream to Fishlake Meadows, Test (Lower), Test (Lower), Test (Upper), River Test, Candover Brook Adur & Ouse; Adur (Knepp) Stour; Upper Dour at Temple Ewell, North and South Streams in the Lydden Valley, Upper Great Stour, Dour from Kearsney to Dover New Forest; Bartley Water	2012	Environment Agency (Riparian owners; Developers; Forestry Commission; Natural England; Local Authorities; Environmental NGOs; Countryside Management Service (CMS))

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Identify priorities for second round of 'Regional Better Rivers Programme'. Outcome: Second planning cycle schemes improve habitat and ecology in waters agreed from a pool of 53 candidates totalling 545 km, building on monitoring and lessons from the first round. (SE0233)	Adur & Ouse: Adur (Lancing brook), Adur (Lottbridge), River Adur East (Sakeham), Blakes Gill, R. Adur West, Ouse, Glynde Reach, Ouse from Ardingly Reservoir to Lindfield, Ouse from Slaugham to Ardingly Reservoir, Cockhaise Brook, Tributary of River Uck north of Uckfield, Ouse from Cockhaise Brook confluence to Spithurst, Longford Stream, Scrase Bridge Stream conf to Cockhaise Bk, River Uck at Uckfield, River Ouse between Isfield and Coast Arun & Western Streams; R. Ems, Western Rother (Upstream Petersfield), Bignor Mill Stream, R. Kird, Minsted Stream, Western Rother, Hammer Stream (W. Sussex), Harting Stream, Haslingbourne Stream, R. Arun Source Cuckmere & Pevensey Levels; Nunningham Stream, Cuckmere from Alfriston to Arlington, Cuckmere from Warbleton to Lower Horsebridge, Hugletts Stream, Cuckmere between Arlington and Lower Horsebridge	2015	Environment Agency (Riparian owners; Natural England; Forestry Commission; Developers; Local Authorities; Environmental NGOs; Countryside Management Service (CMS)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Continued from above -- see additional waterbodies. Identify priorities for second round of 'Regional Better Rivers Programme'. Outcome: Second planning cycle schemes improve habitat and ecology in waters agreed from a pool of 53 candidates totalling 545 km, building on monitoring and lessons from the first round. (SE0233)	East Hampshire; River Alver, Brownwich Stream, Horton Heath Stream, Potwell Trib, Hook Lake, Hermitage Stream, R. Lavant (Hants), Botleigh Grange/ Hedge End Streams Isle of Wight; R. Eastern Yar, R. Medina, Atherfield Stream, Thorley Brook, Rodge Brook, Lukely Brook, Chilton Chine, Walpan Chine, Brook Chine, Brighstone Streams New Forest; Langdown Stream, Beaulieu Abbey Stream, Cadland Stream Rother; Pent Stream Stour; Little Stour Test & Itchen; Pillhill Brook (Source), Westwood Stream, Bow Lake, R. Dever, Sholing Common Streams, R. Dun, Wallop Brook	2015	Environment Agency (Riparian owners; Natural England; Forestry Commission; Developers; Local Authorities; Environmental NGOs; Countryside Management Service (CMS)
Physical modification; Abstraction and other artificial flow pressures	Reduce the physical impacts of flood risk management activities in artificial or heavily modified water bodies. Outcome: Improved habitat leading to improved ecology. (SE0282)	South East RBD	Implemented	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification; Abstraction and other artificial flow pressures; Direct biological pressures; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant); Nutrients	Provide local guidance and information to ensure marine licensing and consents take into account diffuse pollution pressures and physical measures and therefore contribute to the delivery of objectives. Outcome: Identify hot spots under pressure from chemical and physico-chemical pollutants. Inform and target harbour and port dredging strategies to reduce the risk from diffuse and point sources. (SE0278)	Coastal: Chichester Harbour, Langstone Harbour, Portsmouth Harbour, Solent, , Whitstable Bay Transitional: Adur, Chichester Harbour East, Eeastern Yar , Lymington, Medina , Ouse, Southampton Water, Stour (Kent), Wallington, Rother	2011	Marine and Fisheries Agency (Environment Agency; Centre for Environment, Fisheries & Aquaculture Science)
Physical modification; Abstraction and other artificial flow pressures; Nutrients; Organic pollutants	Promote the use of sustainable drainage systems (SuDS). Include SuDS in new urban and rural developments where appropriate, and retrofit in priority areas where possible including highways. Outcome: Diffuse pollution reduced through the improved design and management of surface water drainage (SE0276)	South East RBD	2012	Environment Agency; Local Authorities (Water companies)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification; Direct biological pressures	Promote the relationship between healthy marine ecosystems and productive sustainable fish stocks and complete the UK Inshore Fisheries Sustainability Project. Outcome: All significant fisheries examined in accordance with Marine Stewardship Council assessment principles. Local management plan developed that would result in fisheries working toward a status of MSC certified if desired. (SE0274)	South East RBD	2012	Sussex Sea Fisheries Committee (Marine Stewardship Council; Shellfish Association of Great Britain; Inshore Fisheries and Conservation Authorities)
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Encourage uptake of Voluntary Initiative best practice advice on pesticide use by land managers within the agricultural and amenity sectors (e.g. golf courses, parks, highways, railways). Outcome: Diffuse pesticide pollution reduced through the adoption of best practices. (SE0216)	South East RBD	Implemented	Voluntary Initiative Partnership (Environment Agency; Local Authorities)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Research into locations of non-agricultural pesticide problem areas and their solutions, including pesticide use on highways. Outcome: Codes of practice and Memorandum of Understanding with Highways Agency and Local Government to limit pollution (SE0290)	South East RBD	2012	Environment Agency
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Local partnership initiatives to raise awareness and address the risk to groundwater by specific activities in urban areas. Outcome: Effective and appropriate pollution prevention measures are implemented. (SE0252)	South East RBD	2011	Environment Agency; Local Authorities
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Pollution prevention visits to address environmental risks at petrol filling stations in vulnerable urban areas. Outcome: Reduction in the pollution of groundwater from hydrocarbon contamination. (SE0264)	South East RBD	2010	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Hazardous substances and non-hazardous pollutants	Seek agreement with local authorities regarding the use of diuron and persistent pesticides in Source Protection Zones. Surveillance monitoring where required following the withdrawal of diuron from use in the UK. Outcome: Improved water quality resulting from the use of diuron and persistent pesticides in priority groundwater bodies including East Kent Chalk - Stour; Kent Isle Of Thanet Chalk (SE0296)	South East RBD	2012	Environment Agency
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Hazardous substances and non-hazardous pollutants	Local campaign to maintain a Memorandum of Understanding with Dover District Council, and take action to prevent further impact on the Drellingore public water supply by diuron or other pesticides. Outcome: No further pesticide pollution of public water supply. (SE0249)	East Kent Chalk - Stour	2012	Environment Agency; Local Authorities (Highways Agency)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Microbiology; Organic pollutants; Sediments (as a direct pollutant); Nutrients	Targeted advice and regulation to ensure appropriate management of surface water systems, to reduce contaminants in discharges including consideration of gully cleaning, trapping fats, oils and grease. Outcome: Reduction of chemical and physico chemical pollutants contributing to the failure to achieve good ecological status. (SE0301)	South East RBD	2012	Environment Agency; Local Authorities (Water companies)
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Organic pollutants; Nutrients; Sediments (as a direct pollutant)	Establish and maintain local advice led partnerships to improve farm and land management practices, to reduce diffuse pollution from agriculture and amenity. Outcome: Land managers apply best practice land management techniques, to improve water quality impacted upon by diffuse pollution. (SE0224)	Adur & Ouse; Herrings Stream , Little Horsted Stream , Ouse from Ardingly Reservoir to Lindfield , Ouse from Cockhaise Brook confluence to Spithurst , Pellingford Brook , R. Adur East , Ridgewood Stream , River Adur East (Sakeham) , River Ouse between Isfield and Coast , Tickerage Stream Arun & Western Streams; Loxwood Stream Cuckmere & Pevensey Levels: Cuckmere from Warbleton to Lower Horsebridge, Hugletts Stream, Wick Street Stream at Upper Dicker	2011	Environment Agency; Land managers and owners (Natural England; Local Authorities; National Farmers' Union)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Sediments (as a direct pollutant); Organic pollutants	Work with riparian owners to identify and manage areas of bankside erosion from livestock and associated impacts where appropriate. Outcome: Improved land management practices to reduce diffuse pollution in rural areas. (SE0307)	South East RBD	2012	Riparian owners; Environment Agency (Natural England; National
Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants	Identify hot spots for sediment and other pollutants from highway run off and prepare management plans to reduce the risks. Outcome: Reduction of diffuse pollution from urban sources and management plans in place (SE0232)	Test & Itchen Catchment	2012	Highways Agency; Highways Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants; Organic pollutants; Nutrients	Promote good practice to avoid pollution from construction sites. Outcome: Reduction in pollution incidents caused by poor construction site management (SE0270)	Coggins Mill Stream; East Stour; Loose Stream; Monks Brook; R. Dever; Socknersh Stream	2010	Local Authorities (Environment Agency; Central Government; Construction Industry; Sustainable Business Partnerships)
Temperature; Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants	Promote good practice and regulate where necessary to ensure sensitive management of fish and water cress farms. Outcome: Fish and watercress farms do not contribute to deterioration in the quality of waters. (SE0269)	South East RBD	Implemented	Environment Agency
Abstraction and other artificial flow pressures	Options appraisal for action at Biodiversity Action Plan sites perceived to be adversely affected by abstraction: Great Stour, Little Stour, and Wingham River. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0254)	East Kent Chalk - Stour; Great Stour between A2 and West Stourmouth; Great Stour between Wye and A2; Little Stour; Wingham River	2012	Environment Agency, South East Water; Southern Water; Veolia Water

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures	Review the effectiveness of measures on catchments at risk of flow problems, particularly where climate change could make problems worse. Outcome: Water Framework Directive water management measures are effective in the future. (SE0293)	South East RBD	Implemented	Environment Agency
Ammonia; Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances & Specific Pollutants	Local initiative with Highways Agency and local authorities to determine amount of road drainage to Source Protection Zone 1 and seek alternative options. Initial pilot in Brighton and Hove. Outcome: Better protection of groundwater and surface water quality. (SE0251)	Brighton Chalk Block	2012	Environment Agency; Highways Agency (Local Authorities)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Ammonia; Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances & Specific Pollutants	InterReg 4a collaborative project to investigate the long-term sustainability of discharging treated sewage effluent to ground, subject to satisfactory project scope. Outcome: Better understanding of mechanisms affecting the sustainability of treated effluent discharge to ground, to contribute to water quality improvements and no deterioration (SE0240)	South East RBD	2010	University of Brighton (Environment Agency; Water companies)
Ammonia; Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances & Specific Pollutants	Further investigation - monitoring to assess the natural background quality of the groundwater body to ascertain whether the concentrations of copper are naturally high or elevated due to anthropogenic reasons. Outcome: Understanding of whether there is ongoing input of copper to groundwater and need to take preventative action. (SE0226)	East Kent Chalk - Stour; IOW Central Downs Chalk; IOW Southern Downs Chalk; River Itchen Chalk; River Test Chalk	2012	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Ammonia; Nitrate; Hazardous substances and non-hazardous pollutants; Faecal indicator organisms; Priority Substances & Specific Pollutants	Further investigation following pilot study, to assess impacts of different nitrate and pesticide loading rates and applications from chalk farmland on groundwater. Outcome; Improved knowledge, leading to improvements in groundwater quality through better risk management. (SE0228)	Brighton Chalk Block	2012	Environment Agency (Brighton and Hove City Council; Southern Water)
Faecal indicator organisms; Ammonia; Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Further investigation - Clarify the evidence that saline intrusion is not occurring, and obtain available monitoring data for groundwater quality monitoring network. Work with the water company to reduce the 'lack of confidence' attributed to the saline intrusion test due to apparent lack of available monitoring. Outcome: Clear understanding of the status of drinking water aquifers. (SE0225)	East Kent Chalk - Stour	2012	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Nitrate; Ammonia; Priority Substances & Specific Pollutants	Further Investigation - Project to assess flow and quality data in Ashdown Beds geology. Outcome; Improved knowledge, informing more effective groundwater protection. (SE0227)	Kent Weald Eastern - Rother	2012	Environment Agency
Hazardous substances and non-hazardous pollutants; Nitrate; Faecal indicator organisms; Ammonia; Priority Substances & Specific Pollutants	Continue the current investigation and assessment of bentazone contamination at Niton Pumping Water Station. Outcome: Action plan to improve groundwater and surface water body quality. (SE0202)	IOW Southern Downs Chalk	Implemented	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nitrate; Ammonia; Hazardous substances and non-hazardous pollutants; Faecal indicator organisms; Priority Substances & Specific Pollutants	Development of a GIS layer to interpret the full risks and the effects of groundwater flooding on groundwater quality. Outcome: Develop action plan to reduce pollution risk to groundwater in areas at risk from groundwater flooding (SE0208)	South East RBD	2012	Environment Agency
Nitrate; Hazardous substances and non-hazardous pollutants; chemicals - all; Nutrients; Ammonia; Faecal indicator organisms; Priority Substances & Specific Pollutants	Improved monitoring within groundwater bodies. Outcome; Improved groundwater quality. (SE0237)	Adur & Ouse Hastings Beds; Central Hants Bracklesham Group; Central Hants Lambeth Group; East Hants Lambeth Group; East Kent Tertiaries; Hastings Beds Cuckmere and Pevensey Levels; IOW Solent Group; IOW Southern Downs Chalk; Kent Greensand Eastern; Kent Romney Marsh; Kent Weald Eastern - Rother; Lower Greensand Cuckmere & Pevensey Levels; South East Hants Bracklesham Group; South Hants Lambeth Group	2012	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nitrate; Hazardous substances and non-hazardous pollutants; Faecal indicator organisms; Ammonia; Priority Substances & Specific Pollutants	Monitor the interaction between groundwater and surface water in the River Stour, to assess the contribution of ammonia / nitrate to the River Stour from the Chalk groundwater body, with the view to taking appropriate future action to control the likely source. Outcome: Action plan to improve groundwater and surface water quality. (SE0253)	East Kent Chalk - Stour	2012	Environment Agency
Nitrate; Hazardous substances and non-hazardous pollutants; Faecal indicator organisms; Ammonia; Priority Substances & Specific Pollutants	Investigations to identify areas at risk of contaminants from urban and transport activities, and develop targeted pollution prevention partnerships. Develop Memorandum Of Understanding. Outcome: Reduction in pollution from non agricultural pesticides, road drainage, road salt, hydrocarbons and foul drainage. (SE0246)	Arun & Western Streams Hastings Beds; Brighton Chalk Block; Central Hants Bracklesham Group; Central Hants Lambeth Group; Chichester-Worthing-Portsdown Chalk; East Hants Lambeth Group; Hastings Beds Cuckmere and Pevensey Levels; IOW Southern Downs Chalk; Kent Isle of Thanet Chalk; Kent Romney Marsh; Kent Weald Eastern - Rother; Lower Greensand Adur & Ouse; Lower Greensand Arun & Western Streams; River Itchen Chalk; River Test Chalk; South East Hants Bracklesham Group	2012	Environment Agency; Highways Agency (Local Authorities)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants	Investigate improvements to sewage treatment works, or appropriate catchment controls, that can be included in the periodic review 2014, where a sewage treatment works is identified as causing a failure of status. Outcome: All water company consented discharges comply with Water Framework Directive standards and other EC Directives. (SE0242)	South East RBD	2012	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants	Carry out investigative riverine and land based field work into the origins, causes of and solutions to pollution where we need to improve certainty. Outcome: Improve our understanding of problems, in order to take effective action to address them. (SE0200)	Adur & Ouse: Woodsmill Stream, River Adur East (Goddards Green), Copyhold Stream, Glynde Reach, Northend Stream at Cooksbridge, Bevern Stream, Lower Uck between Ford and Ishurst, Ridgewood Stream, River Uck Ridgewood stream confluence to Ford, Ouse from Cockhaise Brook confluence to Spithurst, River Adur East (Sakeham), Tickerage Stream, Sheffield Park Stream, Shell Brook upstream of Ardingly Reservoir, Little Horsted Stream, Pellingford Brook, Iron River, Ardingly Reservoir, R. Adur West, Herrings Stream, River Adur East (Goddards Green), R. Adur East, Glynde Reach, Longford Stream, River Ouse between Isfield and Coast, Pellingford Brook, Tickerage Stream, Bevern Stream, Ridgewood Stream, Northend Stream at Cooksbridge, Little Horsted Stream, Adur (Hammer pond), Uck Upstream of Buxted, Adur (Lancing brook), Herrings Stream, Woodsmill Stream, Longford Stream Arun & Western Streams: Aldingbourne Rife, Broad Rife, Aldingbourne Rife, Aldingbourne Rife, Lidsey Rife, Arun, R. Kird, R. Arun Horsham, R. Lod, Pagham Harbour, R. Arun Source, Elsted Stream, Loxwood Stream, North River, R. Arun Horsham,	Implemented	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants	Continued from above - see additional water bodies Carry out investigative riverine and land based field work into the origins, causes of and solutions to pollution where we need to improve certainty. Outcome: Improve our understanding of problems, in order to take effective action to address them. (SE0200)	R. Lod, R. Stor, Haslingbourne Stream, Stanbridge Stream, R. Ems, Aldingbourne Rife, Lidsey Rife, Burpham Trib (R.Arun), Black Ditch, R. Arun (U/S Pallingham), Fishbourne Stream, R. Lavant (Upper), R. Stor, R. Lavant (Upper), R. Lavant (Upper) Cuckmere & Pevensey Levels: Glynleigh Sewer at Hailsham, East Stream, Cuckmere between Arlington and Lower Horsebridge, Wick Street Stream at Upper Dicker, Hugletts Stream, Cuckmere from Warbleton to Lower Horsebridge, Glynleigh Sewer at Hailsham, Hollington Stream, Wick Street Stream at Upper Dicker, Combe Haven between Powdermill Str conf and Coast, Langley Sewer at Eastbourne, Watermill Stream, Cuckmere between Arlington and Lower Horsebridge, Cuckmere from Warbleton to Lower Horsebridge, Hurst Haven at Hailsham, Glynleigh Sewer at Hailsham, Waller Haven between Windmill Hill and A259, Hollington Stream, Ashbourne Stream Hugletts conf to Nunningham Str., Langley Sewer at Eastbourne, Nunningham Stream East Hampshire: River Alver, Hoeford Lake, Horton Heath Stream, Hermitage Stream, River Alver, Steeple Court Stream, Botleigh Grange/ Hedge End Streams, Potwell Trib, Hook Lake, Shedfield Stream, R. Hamble, R. Lavant (Hants), Hook Lake Groundwater: Brighton Chalk Block	Implemented	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants	Continued from above - see additional water bodies Carry out investigative riverine and land based field work into the origins, causes of and solutions to pollution where we need to improve certainty. Outcome: Improve our understanding of problems, in order to take effective action to address them. (SE0200)	Isle of Wight: Thorley Brook, Wroxall Stream, Palmers Brook, Monktonmead Brook, Atherfield Stream R. Medina New Forest: Walhampton Stream, Avon Water, Marchwood Park Stream Trb, Sowley Pond, Stone Farm Stream, Mopley Pond Stream, Walhampton Stream, Langdown Stream, Black Water, Walkford Brook, Thorns Marsh Stream, R. Beaulieu Rother: Socknersh Stream, Lower Rother from Robertsbridge to Iden, Tributary of Newmill Channel upstream of Rolvenden, Hexden Channel, Lower Rother from Robertsbridge to Iden, Darwell Reservoir, Marsham and Pannel Sewers, Limden, Rother between Witherenden Hill and Etchingham, Brede between Battle and Winchelsea, Cradlebridge Petty Sewer, Hexden Channel, Glottenham Stream at Robertsbridge, Tributary of the Brede at Westfield, Dudwell, Tributary of Newmill Channel upstream of Rolvenden, Romney Marsh between Appledore and West Hythe, White Kemp and Jury's Gut Sewer, Jury's Gut Sewer at Lydd Ranges, Line, Kent Ditch, Tidebrook, Tenterden Sewer, Walland Marsh Iden to Appledore, Walland Marsh at East Guldeford, Vinehall Stream, Rother (Kent.Lower), Brede between Battle and Winchelsea, Doleham Ditch, Ranges Stour: Great Stour between Ashford and Wye, Sarre Penn S. Chislet and Monkton Minster Marshes,	Implemented	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants	Continued from above - see additional water bodies Carry out investigative riverine and land based field work into the origins, causes of and solutions to pollution where we need to improve certainty. Outcome: Improve our understanding of problems, in order to take effective action to address them. (SE0200)	Great Stour between Wye and A2, North and South Streams at Eastry, Little Stour, Wingham River, Great Stour between Ashford and Wye, Stodmarsh Nature Reserve Pool, Great Puckstone, Fordwhich lake East, Fordwich Lakes, Little Stour, North Chislet Marsh, Upper Great Stour, East Stour, Wingham River, Great Stour between Ashford and Wye, Dour from Kearsney to Dover, East Stour, Dour from Kearsney to Dover, North Chislet Marsh Test & Itchen: Cadnam River, Sherfield English Stream, Bow Lake, Test (Lower), Bow Lake, Itchen, Test (Lower), Arle Upstream of Drove Lane, R. Dever, R. Dun, Sholing Common Streams, Fairbourne Stream to Fishlake Meadows, Bourne Rivulet, Westwood Stream, Test (Lower), Bow Lake"	Implemented	Environment Agency
Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants	Carry out additional riverine sampling into the origins, causes of and solutions to pollution where we need to improve certainty. Outcome: Improve our understanding of problems, in order to take effective action to address them. (SE0198)	Hollington Stream; Romney Marsh between Appledore and West Hythe; Upper Rother, Coggins Mill to Five Ashes	Implemented	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant)	Carry out additional riverine sampling into the origins, causes and solutions to sedimentation. Outcome: Improve our understanding of problems, in order to take effective action to address them. (SE0197)	East Hampshire: Hook Lake, R. Hamble, Hamble, Horton Heath Stream, Potwell Trib, R. Lavant (Hants), Steeple Court Stream, Shedfield Stream, R. Hamble, Botleigh Grange/ Hedge End Streams Isle of Wight: Thorley Brook, Rodge Brook, Palmers Brook New Forest: Danes Stream, Sowley Stream, Penerley Trib, Beckton Bunny, Avon Water, Mopley Pond Stream, Dark Water, Ober Water, Highland Water Rother: Doleham Ditch, Jury's Gut Sewer at Lydd Ranges, Brede between Battle and Winchelsea, Tillingham, Lower Rother from Robertsbridge to Iden Stour: Little Stour, Upper Great Stour Test & Itchen: Sholing Common Streams, Westwood Stream, Arle - Upstream of Drove Lane, R. Blackwater, R. Alre, Candover Brook, Wallop Brook, R. Dever, R. Dever, Pillhill Brook	2010	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant); Organic pollutants	Carry out investigative riverine and land based field work into the origins, causes and solutions to sedimentation. Outcome: Improve our understanding of problems, in order to take effective action to address them. (SE0199)	Adur & Ouse; Ridgewood Stream, Longford Stream Arun & Western Streams: Lidsey Rife, R. Ems, Pagham Harbour, Black Ditch East Hampshire: Hermitage Stream Isle of Wight; Atherfield Stream, R. Eastern Yar, R. Medina, Monktonmead Brook, R. Eastern Yar New Forest; Langdown Stream, Bartley Water, Bartley Water Rother: Marsham and Pannel Sewers, Newmill Channel downstream of A28, Walland Mars, Cradlebridge Petty Sewer, Hexden Channel, Romney Marsh between Appledore and West Hythe Stour: North and South Streams in the Lydden Valley, Wingham River, North and South Streams at Eastry, North Chislet Marsh Test & Itchen: Monks Brook, Cadnam River, Butlocks Heath Stream, River Blackwater, Bourne Rivulet, Bow Lake, River Itchen (Cheriton Stream), Test (Lower), River Itchen, R. Dun, R. Test, R. Dun, R. Test (Middle), R. Test, River Test, R. Test (Upper)	2010	Environment Agency
Organic pollutants; Nutrients	Further Investigation of groundwater and surface water monitoring for nitrates, ammonia and pesticide to align data. Outcome; Improved knowledge leading to improved groundwater and surface water quality . (SE0229)	Kent Isle of Thanet Chalk	2012	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Investigate the need to screen intakes and discharges to prevent loss or damage to fish populations. Ensure screening on priority sites. Outcome: Screen intakes and discharges so as to contribute to the achievement of good ecological status. (SE0243)	South East RBD	2012	Environment Agency (Fisheries and Angling Interests; Land managers and owners; Water companies)
Physical modification; Direct biological pressures	Investigate and where appropriate manage physical impacts of commercial inshore fisheries to improve marine biodiversity and fisheries productivity, through the Sensitive Area Management Plan for the Sussex coast. Outcome: Identify, designate and manage specific sites within the Sussex Sea Fisheries Committee District. It is intended that subject to changes in policy, these actions will be progressed by the relevant Inshore Fisheries and Conservation Authority, and support the process of Marine Conservation Zone designation in the Eastern Channel (SE0241)	Sussex; Sussex East; Isle of Wight East coastal water bodies	2012	Sussex Inshore Fisheries and Conservation Authority (Environment Agency; Natural England; Local Authorities; Non-Governmental Organisations)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Investigation into solvent contamination in the Andover area to inform pollution prevention visits with the aim to prevent deterioration of groundwater quality. Outcome: A significant reduction in the ongoing pollution of the Andover Chalk groundwater by chlorinated solvents. (SE0245)	River Test Chalk	2010	Environment Agency
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Direct biological pressures; Microbiology	Investigation into Endocrine Disruptors. Outcome: To understand their impact and put into place appropriate measures. (SE0244)	South East RBD	Implemented	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Organic pollutants; Nutrients	Promote the targeted mapping of land drainage discharges (fields, highways, rural roads) to better assess their impact on water quality and adopt appropriate control measures. Outcome: Production of land drainage map to identify and investigate sources of pollutants, and actions put in place to prevent environmental impact. Less diffuse pollution in related waters. (SE0275)	South East RBD	2012	Environment Agency (South East England Partnership Board; Local Authorities; Land managers and owners; Royal Town Planning Institute; Highways Agency; Natural England)
Abstraction and other artificial flow pressures	Appraise new public water supply resource options including investigating role of different generic option types (e.g. desalination, effluent reuse, transfers and reservoirs) in context of likely regional supply-demand need. Outcome: New resource options will not cause a deterioration in status of any impacted Waterbody and where possible will contribute to the achievement of good ecological status or potential. (SE0194)	South East RBD	Implemented	Environment Agency; Water companies
Natura 2000 protected areas and SSSIs				

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures	Options appraisal for action at Site of Special Scientific Interest perceived to be adversely affected by abstraction : Poynings (SE0343)	Brighton Chalk Block	2012	South East Water; Environment Agency
Abstraction and other artificial flow pressures	Modify abstraction licences to ensure no adverse effect on integrity of Natura 2000 site: River Itchen SAC (SE0342)	River Itchen; River Itchen Chalk	2015	Environment Agency (Portsmouth Water; Southern Water)
Abstraction and other artificial flow pressures	Modify abstraction licence to ensure no adverse effect on integrity of Natura 2000 site: Dungeness SAC (SE0341)	Kent Romney Marsh	2015	Environment Agency (Veolia Water Southeast)
Abstraction and other artificial flow pressures; Nutrients	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas by revoking or amending abstraction licences (see Annex D) (SE0324)	South East RBD	2012	Environment Agency
Direct biological pressures	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas by developing an invasive species control programme for protected areas (see Annex D) (SE0322)	South East RBD	2012	Natural England; Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients	Contribute to achievement of favourable condition on The New Forest SSSI, Dungeness, Romney Marsh and Rye Bay SSSI, River Test SSSI, Southampton Common SSSI and Alresford Pond SSSI by developing a pollution action plan (SE0318)	New Forest Catchment; Rother Catchment; Test & Itchen Catchment	2012	Environment Agency; Natural England
Nutrients; Sediments (as a direct pollutant); Physical modification	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through negotiation on invasive species control (see Annex D) (SE0331)	South East RBD	2010	Natural England; Environment Agency
Physical modification	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through a Flood Management Programme (see Annex D) (SE0326)	South East RBD	2012	Environment Agency
Physical modification	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through Implementation of Appropriate Coastal Management (see Annex D) (SE0327)	South East RBD	2012	Local Authorities
Physical modification	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through River Restoration Programme for protected areas (see Annex D) (SE0333)	South East RBD	2012	Environment Agency; Natural England
Physical modification	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through River Restoration Scheme (see Annex D) (SE0334)	South East RBD	2012	Environment Agency; Natural England

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Contribute to achievement of favourable condition on Pevensey Levels SSSI by implementing flood management programme (SE0313)	Cuckmere & Pevensey Levels Catchment	2010	Environment Agency
Physical modification; Nutrients	Contribute to achievement of favourable condition on Pevensey Levels SSSI, Dungeness, Romney Marsh and Rye Bay SSSI, Alresford Pond SSSI and River Test SSSI by revoking or amending discharge consents (SE0315)	Rother Catchment; Test & Itchen Catchment; Cuckmere & Pevensey Levels Catchment;	2010	Environment Agency
Physical modification; Nutrients	Contribute to achievement of favourable condition on Alresford Pond SSSI and River Test SSSI by implementing water level management plans (SE0310)	Test & Itchen Catchment	Implemented	Environment Agency
Physical modification; Abstraction and other artificial flow pressures	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through Water Level Management Plans (see Annex D) (SE0338)	South East RBD	2012	Water companies; Environment Agency (Farmers)
Physical modification; Nutrients; Abstraction and other artificial flow pressures; Sediments (as a direct pollutant)	Contribute to achievement of favourable condition on the River Test SSSI by implementing river restoration project (SE0320)	Test & Itchen Catchment	2011	Natural England; Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Sediments (as a direct pollutant); Direct biological pressures; Nutrients	Contribute to achievement of favourable condition on Alresford Pond SSSI by implementing lake restoration project (SE0311)	Test & Itchen	2012	Environment Agency; Natural England
Sediments (as a direct pollutant); Nutrients	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas by developing a pollution action plan for protected areas (see Annex D) (SE0321)	South East RBD	2012	Environment Agency; Natural England
Sediments (as a direct pollutant); Nutrients	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas by revoking or amending discharge/PPC consents (see Annex D) (SE0325)	South East RBD	2012	Environment Agency
Abstraction and other artificial flow pressures	Investigation at Site of Special Scientific Interest perceived to be adversely affected by abstraction (SE0340)	River Blackwater; Test (Lower)	2012	Southern Water; Environment Agency
Abstraction and other artificial flow pressures; Physical modification	Contribute to achievement of favourable condition on St. Leonard's Park Ponds SSSI, Pevensey Levels SSSI, Dungeness, Romney Marsh and Rye Bay SSSI and New Forest SSSI by investigating hydrology (SE0317)	New Forest Catchment; Rother Catchment; Test & Itchen Catchment; Cuckmere & Pevensey Levels Catchment; Arun & Western Streams Catchment	2012	Natural England; Environment Agency
Nutrients; Sediments (as a direct pollutant)	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through regulatory investigation into diffuse pollution (see Annex D) (SE0332)	South East RBD	2010	Environment Agency; Natural England

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through Investigation into water quality and morphology pressures (see Annex D) (SE0330)	South East RBD	2010	Environment Agency

C.7 Industry, manufacturing and other business

The South East is home to more than 300,000 businesses and is the largest economic region outside London. Whilst there is a relatively low incidence of large scale manufacturing in the region, the sector retains a strategic importance both regionally and nationally. The strong emphasis on high tech industries means that manufacturing output in the South East is now in excess of £20 billion per annum, higher than in any other UK region. Of critical economic importance to the region are the thriving marine and oil industries with the most significant activities taking place within the commercial ports of Dover and Southampton, the petrochemical facilities at Fawley and defence establishments at Portsmouth.

Pressure on water environment from industry and business is intense, both in terms of the release of pollutants and the abstraction of limited resources. The challenge for the region is to ensure that it maintains its competitive advantage without compromising the enhancement of its natural environment.

The commercial fisheries fleet is an important industry in the District. In particular the trend in volume of fish landings of Sea bass has increased in the last few years. In some cases commercial fisheries activity is a key element in the local economy. This is the case of Rye harbour, where this industry contributes £8.7 million per year to the local economy.

Table C7: **Actions for the Industry, manufacturing and other business sector**

See next page for action table

Industry, manufacturing and other business

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Industry, manufacturing and other business				
National Actions				
Benzo (ghi) perylene; Benzo(a)pyrene; Fluoranthene; Indeno (123-cd) pyrene	EU Restriction on the use of polyaromatic hydrocarbon content in oil used in the manufacture of tyres. (SE0016)	South East RBD	Implemented	EU
Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances & Specific Pollutants	Implement DCLG Planning Policy Guidance Statement 23 (PPS23) on controlling pollution of groundwater (SE0067)	South East RBD	Implemented	Local Authorities
Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances and Specific Pollutants	Comply with Environment Agency Notices (Water Resources Act S86 and S161, Groundwater Regulations, contaminated land legislation, Silage Slurry and Agricultural Fuel Oils Regulations). Make use of site specific notices to remove pollution risks to groundwater (SE0066)	South East RBD	Implemented	Land managers and owners; Environment Agency (Local Authorities)

Industry, manufacturing and other business

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Local authority contaminated land legislation Notice powers. Make use of site specific notices to remove pollution risk to groundwater (SE0062)	South East RBD	Implemented	Local Authorities
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Follow the SUDS (sustainable drainage systems) Interim Code of Practice - comply with published advice for operators (SE0168)	South East RBD	Implemented	Industry leads
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Follow Petrol Retailing Code of Practice (Groundwater Regulations) - comply with published advice for operators (SE0165)	South East RBD	Implemented	Industry leads

Industry, manufacturing and other business

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Follow Solvents Code of Practice (Groundwater Regulations) - comply with published advice for operators (SE0059)	South East RBD	Implemented	Industry leads
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Implementation of 'oil-filled cables' operating agreement with electricity transmission companies (SE0167)	South East RBD	Implemented	Environment Agency; Industry leads
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Groundwater protection advice to Veterinary Medicines Directorate products approvals process (SE0154)	South East RBD	Implemented	Central Government

Industry, manufacturing and other business

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Environmental Permitting – effluent discharges to ground (SE0162)	South East RBD	Implemented	Environment Agency
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Environmental Permitting - Process Industries Regulation (SE0163)	South East RBD	Implemented	Environment Agency
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Proposed oil pipelines Operating Agreement(s) (SE0051)	South East RBD	2012	Environment Agency; Industry leads

Industry, manufacturing and other business

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Comply with environmental permit conditions (SE0153)	South East RBD	Implemented	Industry leads
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Environmental Permitting - waste disposal (SE0164)	South East RBD	Implemented	Environment Agency
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Total Oil Operating agreement (SE0064)	South East RBD	Implemented	Environment Agency; Industry leads

Industry, manufacturing and other business

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Isoproturon	Recently introduced UK-wide restrictions will see decreasing trend in emissions of Isoproturon, and probable compliance by 2015 with no further action. (SE0068)	South East RBD	Implemented	Chemicals Regulation Directorate
Mercury and its compounds	Recently introduced restrictions across the UK will see decreasing trend in the emissions of mercury and it's compounds, and probable compliance by 2015 with no further action (SE0069)	South East RBD	Implemented	Central Government; Environment Agency
Nitrate	Waste exemptions - low risk approach to waste regulation activities (SE0079)	South East RBD	Implemented	Environment Agency
Nitrate	Development planning - planning liaison. Site specific groundwater pollution prevention advice and recommendations (SE0072)	South East RBD	Implemented	Local Authorities
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Registrations (in conjunction with Standard Rules) - Implement new regulatory approach (via Environmental Permitting Regulations) arising from implementation of the new Groundwater Directive (2006/116/EC) (SE0089)	South East RBD	2012	Environment Agency (Industry leads; Land managers and owners; Water companies)

Industry, manufacturing and other business

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Implement Groundwater Protection: Policy and Practice - External education on groundwater pollution prevention (SE0087)	South East RBD	Implemented	Land managers and owners; Environment Agency
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	NetRegs (Environmental Guidance to Business) - External education on groundwater pollution legislation (SE0174)	South East RBD	Implemented	Environment Agency
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Development planning structure plans - influence location of development to protect groundwater (SE0086)	South East RBD	Implemented	Water companies; Environment Agency

Industry, manufacturing and other business

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Provide development planning standing advice (SE0084)	South East RBD	Implemented	Environment Agency
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances and Specific Pollutants (Metals)	Comply with local authority contaminated land legislation Notices. Make use of site specific notices to remove pollution risk to groundwater (SE0156)	South East RBD	Implemented	Land managers and owners; Local Authorities
Nutrients; Organic pollutants; Microbiology	Improvements to water company assets: -A scheme to install event/duration monitoring at 8 locations in the East Hampshire Catchment to assess the impacts of storm events on Shellfish Waters. (SE0113)	Portsmouth Harbour; Solent	2011	Southern Water

Industry, manufacturing and other business

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Plans, processes and programmes (such as the Environment Agency Navigation and Recreation strategies) will be aligned to the requirements of hydromorphology to achieve Water Framework Directive objectives (especially ecological potential). This will be two fold: i) Mitigation measures required to reach good ecological potential will be identified in and delivered through such plans, and ii) the prioritisation of environmental improvements will be influenced by the specific requirements to reach Water Framework Directive objectives. (SE0145)	South East RBD	Implemented	Environment Agency
Physical modification	A central spatially-enabled hydromorphological database will be created, this will provide a system that will quickly and reliably, supply data to better understand hydromorphological impacts of modifications to water bodies. it will be used to provide available hydromorphological data as an input into the approval/assessment processes for new physical modifications to ensure compliance with Water Framework Directive requirements, especially those related to Article 4(7). (SE0117)	South East RBD	2010	Environment Agency

Industry, manufacturing and other business

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification; Direct biological pressures; Direct biological pressures	Support the process of Marine Conservation Zone designation within inshore areas in the Eastern English channel. Outcome: A coherent network of Marine Protected Areas within the Eastern Channel. (SE0039)	South East RBD	2012	Natural England; Sea Fisheries Committee; Shellfish Association of Great Britain; Marine Stewardship Council; Balanced Seas; Inshore Fisheries and Conservation Authorities
Priority Hazardous Substances, Priority Substances and Specific Pollutants	General guidance to improve Pesticide use through the Amenity Forum (SE0150)	South East RBD	Implemented	Amenity Forum
Trichloroethylene	EU-wide ban on the use of trichloroethylene (SE0189)	South East RBD	Implemented	EU

Industry, manufacturing and other business

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Dredging and trawling (commercial fishing and shellfish)	Investigation into the impact of commercial shell and fin fisheries to improve the risk assessment of the impact of these activities on ecology and to identify appropriate measures. The work will be driven by case studies, the outcomes of which can be applied nationally. (SE0041)	South East RBD	2010	Environment Agency
Local Actions				
Abstraction and other artificial flow pressures	Promote small-scale storage reservoirs to businesses, where they can be justified in the context of the twin track approach of resource development and demand management, and are proven to be resilient to a range of hydrological events. Outcome: Abstraction pressures are reduced during low flow periods (SE0271)	South East RBD	Implemented	Environment Agency (South East England Development Agency; National Farmers' Union)
Abstraction and other artificial flow pressures	Reduction of demand through offering of tax incentives (enhanced Capital Allowances) for the purchase and use of efficient plant and fittings by commercial organisations. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0286)	South East RBD	Implemented	Defra; HM Revenue and Customs

Industry, manufacturing and other business

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures	Promote water recycling and rainwater harvesting where cost-effective, appropriate and used together with other demand management measures. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0277)	South East RBD	2012	Environment Agency (Central Government; Water companies; South East England Development Agency)
Abstraction and other artificial flow pressures	Develop and implement a demand management campaign including targeting specific non-household sectors (e.g. review Fawley water use, 'Ensuring water for all' project). Outcome: Abstraction pressures on the environment are reduced (SE0204)	South East RBD	2010	Environment Agency
Abstraction and other artificial flow pressures	Water efficiency requirements in Environmental Permitting Regulation (EPR) permits. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0304)	South East RBD	Implemented	Environment Agency
Abstraction and other artificial flow pressures	Run education projects to raise awareness of the importance of water conservation on the Isle of Wight and encourage water saving. Outcome: Abstraction pressures on the water environment are reduced. (SE0295)	Isle of Wight Catchment	Implemented	Isle of Wight Footprint Trust

Industry, manufacturing and other business

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures	Reduction of demand through labelling scheme for water efficient products. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0285)	South East RBD	2012	Defra; Industry leads
Ammonia; Nitrate; Hazardous substances and non-hazardous pollutants; Faecal indicator organisms; Priority Substances & Specific Pollutants	Voluntary and enforced groundwater remediation schemes under Part 2a of the Environmental Protection Act 1990, at a variety of sites both ongoing and proposed. Outcome: Improvements to water quality contributing to good status. (SE0303)	South East RBD	2012	Environment Agency

Industry, manufacturing and other business

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Direct biological pressures; Direct biological pressures	Develop joint working between the Sea Fisheries Committees, Inshore Fisheries and Conservation Authorities and the Environment Agency on the collection of inshore data. Outcome: Improved understanding of pressures in the marine environment to enable better targeting and development of actions. (SE0207)	South East RBD	2012	Inshore Fisheries and Conservation Authorities; Environment Agency (Natural England; Local Authorities; Non-Governmental Organisations)
Direct biological pressures; Physical modification	Produce code of conduct for commercial fisheries and sea anglers to protect marine sites of nature conservation importance. Outcome: Marine sites of nature conservation importance are protected from damage by fishing activities. (SE0267)	Sussex; Sussex East; Isle of Wight East coastal water bodies	2012	Sussex Inshore Fisheries and Conservation Authority (Environment Agency; Natural England; Local Authorities; Non-Governmental Organisations)

Industry, manufacturing and other business

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Nitrate; Ammonia; Priority Substances & Specific Pollutants	Pollution prevention advice, campaign and enforcement at the following sites: Haine Road industrial estate, Lord of the Manor SPZ I and II, Manston airport and associated infrastructure, petrol stations, Pysons Road industrial estate, Rumfields SPZ I and II, Jentex Oil, and the Westwood area. Outcome: Less polluted groundwater. (SE0262)	Kent Isle of Thanet Chalk	2012	Environment Agency
Hazardous substances and non-hazardous pollutants; Ammonia; Faecal indicator organisms; Nitrate; Priority Substances & Specific Pollutants	Pollution prevention advice and campaigns in high risk areas. Outcome: Improved groundwater and surface water quality. (SE0259)	Adur & Ouse Hastings Beds; Brighton Chalk Block; Central Hants Lambeth Group; Chichester-Worthing-Portsdown Chalk; East Hants Chalk; East Hants Lambeth Group; East Kent Chalk - Stour; East Kent Tertiaries; Hastings Beds Cuckmere and Pevensey Levels; IOW Central Downs Chalk; IOW Southern Downs Chalk; Kent Greensand Eastern; Kent Isle of Thanet Chalk; Kent Romney Marsh; Kent Weald Eastern - Rother; Littlehampton Anticline East; Lower Greensand Adur & Ouse; Lower Greensand Arun & Western Streams; Lower Greensand Cuckmere & Pevensey Levels; River Itchen Chalk; River Test Chalk; Seaford and Eastbourne Chalk Block; South Hants Lambeth Group	2012	Environment Agency

Industry, manufacturing and other business

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Local initiative to agree voluntary pollution prevention and remediation of existing land contamination for at risk sites. Outcome: Bringing land back into beneficial use and remove potential sources of groundwater contamination. (SE0250)	South East RBD	2012	Land managers and owners
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Agree voluntary pollution prevention and remediation of existing land contamination contributing to chlorinated solvents in River Wallington. Outcome: Improved water quality. (SE0193)	Central Hants Lambeth Group; East Hants Lambeth Group; South Hants Lambeth Group	2012	Environment Agency

Industry, manufacturing and other business

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Pollution prevention advice and campaigns targeting oil care advice in high risk areas. Outcome: Better protection of groundwater and surface water quality. (SE0260)	Adur & Ouse Hastings Beds; Arun & Western Streams Hastings Beds; Brighton Chalk Block; Central Hants Bracklesham Group; Central Hants Lambeth Group; Chichester-Worthing-Portsdown Chalk; East Hants Lambeth Group; East Kent Chalk - Stour; Hastings Beds Cuckmere and Pevensey Levels; IOW Southern Downs Chalk; Kent Greensand Eastern; Kent Isle of Thanet Chalk; Kent Romney Marsh; Kent Weald Eastern - Rother; Lower Greensand Arun & Western Streams; Lower Greensand Cuckmere & Pevensey Levels; River Itchen Chalk; River Test Chalk; Seaford and Eastbourne Chalk Block; South East Hants Bracklesham Group	2012	Environment Agency
Microbiology; Hazardous substances and non-hazardous pollutants; Nutrients; Priority Substances & Specific Pollutants	Pollution prevention visits and campaigns targeted in high risk areas to address small and medium enterprises and industrial sites. Outcome; Improved groundwater and surface water quality. (SE0263)	Arun & Western Streams Hastings Beds; Brighton Chalk Block; Central Hants Bracklesham Group; Central Hants Lambeth Group; Chichester-Worthing-Portsdown Chalk; East Hants Lambeth Group; Hastings Beds Cuckmere and Pevensey Levels; IOW Southern Downs Chalk; Kent Isle of Thanet Chalk; Kent Romney Marsh; Kent Weald Eastern - Rother; Lower Greensand Adur & Ouse; Lower Greensand Arun & Western Streams; River Itchen Chalk; River Test Chalk; South East Hants Bracklesham Group	2012	Environment Agency

Industry, manufacturing and other business

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nitrate; Hazardous substances and non-hazardous pollutants; Ammonia; Faecal indicator organisms; Priority Substances & Specific Pollutants	Pollution prevention advice and campaign at Waterworks Lane to protect groundwater body resource and Waterworks Lane PWS, Eastbourne. Outcome: Better protection of groundwater quality. (SE0256)	Seaford and Eastbourne Chalk Block	2012	Environment Agency
Nutrients; Microbiology; Organic pollutants; Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants	Influence Town and Country Planning Act authorisation process to help minimise risk of diffuse pollution from new developments (e.g. implement SUDs and use of Water Resource Act Planning Guidance). Outcome; Improved groundwater and surface water quality. (SE0239)	South East RBD	Implemented	Local Authorities; Environment Agency

Industry, manufacturing and other business

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Direct biological pressures; Abstraction and other artificial flow pressures; Sediments (as a direct pollutant)	Promote sustainable water management best practice through pre-application discussions with developers (as set out in the Environment Agency's publication 'A guide for developers') and establish good practice for site clearance prior to development. Outcome: Builders and developers design buildings that incorporate sustainable water management measures. (SE0272)	South East RBD	Implemented	Environment Agency; Local Authorities (Business and Industry)
Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Nutrients	Pollution prevention advice and local campaigns to provide targeted advice and enforcement in high risk areas on all rural diffuse pollution issues: farm and land management, domestic oil storage, septic tanks. Outcome: Diffuse pollution reduced through the adoption of best practices (SE0261)	South East RBD	Implemented	Environment Agency; Natural England (Local Authorities; Local industry associations)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification; Direct biological pressures	Promote the relationship between healthy marine ecosystems and productive sustainable fish stocks and complete the UK Inshore Fisheries Sustainability Project. Outcome: All significant fisheries examined in accordance with Marine Stewardship Council assessment principles. Local management plan developed that would result in fisheries working toward a status of MSC certified if desired. (SE0274)	South East RBD	2012	Sussex Sea Fisheries Committee (Marine Stewardship Council; Shellfish Association of Great Britain; Inshore Fisheries and Conservation Authorities)
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Encourage uptake of Voluntary Initiative best practice advice on pesticide use by land managers within the agricultural and amenity sectors (e.g. golf courses, parks, highways, railways). Outcome: Diffuse pesticide pollution reduced through the adoption of best practices. (SE0216)	South East RBD	Implemented	Voluntary Initiative Partnership (Environment Agency; Local Authorities)
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Pollution prevention visits to address environmental risks at petrol filling stations in vulnerable urban areas. Outcome: Reduction in the pollution of groundwater from hydrocarbon contamination. (SE0264)	South East RBD	2010	Environment Agency

Industry, manufacturing and other business

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Hazardous substances and non-hazardous pollutants	Seek agreement with local authorities regarding the use of diuron and persistent pesticides in Source Protection Zones. Surveillance monitoring where required following the withdrawal of diuron from use in the UK. Outcome: Improved water quality resulting from the use of diuron and persistent pesticides in priority groundwater bodies including East Kent Chalk - Stour; Kent Isle Of Thanet Chalk (SE0296)	South East RBD	2012	Environment Agency
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Organic pollutants; Nutrients; Sediments (as a direct pollutant)	Establish and maintain local advice led partnerships to improve farm and land management practices, to reduce diffuse pollution from agriculture and amenity. Outcome: Land managers apply best practice land management techniques, to improve water quality impacted upon by diffuse pollution. (SE0224)	Adur & Ouse; Herrings Stream , Little Horsted Stream , Ouse from Ardingly Reservoir to Lindfield , Ouse from Cockhaise Brook confluence to Spithurst , Pellingford Brook , R. Adur East , Ridgewood Stream , River Adur East (Sakeham) , River Ouse between Isfield and Coast , Tickerage Stream Arun & Western Streams; Loxwood Stream Cuckmere & Pevensey Levels: Cuckmere from Warbleton to Lower Horsebridge, Hugletts Stream, Wick Street Stream at Upper Dicker	2011	Environment Agency; Land managers and owners (Natural England; Local Authorities; National Farmers' Union)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification; Direct biological pressures	Investigate and where appropriate manage physical impacts of commercial inshore fisheries to improve marine biodiversity and fisheries productivity, through the Sensitive Area Management Plan for the Sussex coast. Outcome: Identify, designate and manage specific sites within the Sussex Sea Fisheries Committee District. It is intended that subject to changes in policy, these actions will be progressed by the relevant Inshore Fisheries and Conservation Authority, and support the process of Marine Conservation Zone designation in the Eastern Channel (SE0241)	Sussex; Sussex East; Isle of Wight East coastal water bodies	2012	Sussex Inshore Fisheries and Conservation Authority (Environment Agency; Natural England; Local Authorities; Non-Governmental Organisations)
Physical modification	Investigate the need to screen intakes and discharges to prevent loss or damage to fish populations. Ensure screening on priority sites. Outcome: Screen intakes and discharges so as to contribute to the achievement of good ecological status. (SE0243)	South East RBD	2012	Environment Agency (Fisheries and Angling Interests; Land managers and owners; Water companies)
SSSI / N2k Actions				
Sediments (as a direct pollutant); Nutrients	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas by revoking or amending discharge/PPC consents (see Annex D) (SE0325)	South East RBD	2012	Environment Agency

C.8 Local Government

Local Government is responsible for working with the community to implement Government policy and maintain public services and facilities, from parks and education to social services and transport. In addition to the delivery of public services by individual councils and other statutory agencies, there is an increasing emphasis on the importance of organisations working in partnership with each other i.e. through Local Strategic Partnerships bringing together key service providers from the private, business, community and voluntary sectors into a single partnership.

In the South East there are four unitary authorities (Southampton City Council, Portsmouth City Council, Isle of Wight Council, and Brighton and Hove City Council) that are single tier and deliver the full range of services, including education, social services, council tax and housing benefits, public libraries, museums and art galleries, traffic and transportation, refuse collection, recycling and disposal, planning, environmental health, swimming pools and leisure facilities, parks, open spaces and countryside including footpaths, cemeteries and crematoria, markets and fairs, registration of births, deaths, marriages and electorates, collecting council tax and business rates.

The remaining two tier authorities consist of four county councils (Hampshire, West Sussex, East Sussex, and Kent) and thirty five district, borough and city councils (Hastings BC, Rother DC, Wealden DC, Eastbourne BC, Lewes DC, Dartford BC, Gravesham BC, Sevenoaks DC, Tonbridge and Malling BC, Tunbridge Wells BC, Maidstone BC, Swale BC, Ashford BC, Shepway DC, Canterbury City Council, Dover DC, Thanet DC, Worthing BC, Arun DC, Chichester DC, Horsham DC, Crawley BC, Mid Sussex DC, Adur DC, Gosport BC, Fareham BC, Winchester City Council, Havant BC, East Hampshire DC, Hart DC, Rushmoor BC, Basingstoke and Deane BC, Test Valley BC, Eastleigh DC and New Forest DC. The responsibilities set out above are split between the two tiers.

Town and Parish councils exist at the most local level across the whole of the district.

Table C8: **Actions for Local Government**

See next page for action table

Local Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Local Government				
National Actions				
Ammonia; Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances & Specific Pollutants	Local initiative to encourage Local Planning Authorities to use GP3 (Groundwater Protection: Policy and Practice) to promote best practice and PPS23 (Planning Policy Statement 23) to ensure remediation of brownfield land (SE0010)	'Brighton Chalk Block; Central Hants Bracklesham Group; Central Hants Lambeth Group; Chichester-Worthing-Portsdown Chalk; Hastings Beds Cuckmere and Pevensey Levels; IOW Southern Downs Chalk; Kent Isle of Thanet Chalk; Kent Romney Marsh; Kent Weald Eastern - Rother; Lower Greensand Arun & Western Streams; River Itchen Chalk; River Test Chalk; Lower Greensand Arun & Western Streams; River Itchen Chalk; River Test Chalk; Lower Greensand Adur & Ouse; Arun & Western Streams Hastings Bed; East Hants Lambeth Group; South East Hants Bracklesham Group	2012	Local Authorities
Direct biological pressures; Direct biological pressures	Implement the water related actions of the Invasive Non Native Species Framework Action Plan for Great Britain (SE0027)	South East RBD	2012	Defra; Environment Agency (Local Authorities; Fisheries and Angling Interests)
Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances and Specific Pollutants	Comply with Environment Agency Notices (Water Resources Act S86 and S161, Groundwater Regulations, contaminated land legislation, Silage Slurry and Agricultural Fuel Oils Regulations). Make use of site specific notices to remove pollution risks to groundwater (SE0066)	South East RBD	Implemented	Land managers and owners; Environment Agency (Local Authorities)

Local Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Development planning: land contamination - site specific advice and required action for remediation of contaminated land through planning liaison (SE0055)	South East RBD	Implemented	Environment Agency; Local Authorities
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Follow pesticides statutory Code of Practice - comply with published advice for operators on control of plant protection products (SE0061)	South East RBD	Implemented	Land managers and owners
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Fire service Memorandum of Understanding (MoU) on implementing pollution control measures in emergencies (SE0048)	South East RBD	Implemented	Local Authorities; Environment Agency

Local Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Provide development planning standing advice (SE0084)	South East RBD	Implemented	Environment Agency
Physical modification	Plans, processes and programmes (such as the Environment Agency Navigation and Recreation strategies) will be aligned to the requirements of hydromorphology to achieve Water Framework Directive objectives (especially ecological potential). This will be two fold: i) Mitigation measures required to reach good ecological potential will be identified in and delivered through such plans, and ii) the prioritisation of environmental improvements will be influenced by the specific requirements to reach Water Framework Directive objectives. (SE0145)	South East RBD	Implemented	Environment Agency
Physical modification	A central spatially-enabled hydromorphological database will be created, this will provide a system that will quickly and reliably, supply data to better understand hydromorphological impacts of modifications to water bodies. it will be used to provide available hydromorphological data as an input into the approval/assessment processes for new physical modifications to ensure compliance with Water Framework Directive requirements, especially those related to Article 4(7). (SE0117)	South East RBD	2010	Environment Agency

Local Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Water Framework Directive mitigation measures manual for flood and coastal erosion risk management and land drainage activities. This manual will set out best practice options for measures to mitigate against the impacts of such activities upon ecology. This will be used to ensure that new and existing schemes and management activities will take into consideration Water Framework Directive requirements and will results in minimal ecological damage. (SE0146)	South East RBD	2010	Environment Agency
Physical modification; Abstraction and other artificial flow pressures	Actions to reduce the physical impacts of urban development activities in artificial or heavily modified water bodies (as specified in annex B) (SE0147)	South East RBD	Implemented	Local Authorities (Environment Agency)
Priority Hazardous Substances, Priority Substances and Specific Pollutants	General guidance to improve Pesticide use through the Amenity Forum (SE0150)	South East RBD	Implemented	Amenity Forum

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Investigations into the ecological outcomes of measures required to mitigate against the effects of flood and coastal risk management activities, improving the understanding of the cost/benefit and technical feasibility of such measures and developing understanding of the underlying processes, ecological responses and applicability. Case studies will be used and the outcomes will have a national application. (SE0142)	South East RBD	2010	Environment Agency
Physical modification	Monitoring and investigation into mitigation measures techniques, to establish their effectiveness and improve understanding of hydromorphological and ecological interactions. The outcomes from this work will be applied nationally. (SE0143)	South East RBD	2011	Environment Agency
Local Actions				
Abstraction and other artificial flow pressures	Ensure that local spatial plans include policies to secure developer contributions for retrofitting water efficiency measures in existing housing stock, in water stressed areas. Outcome: From 2011 adopted local spatial plans, such as Area Action Plans and Supplementary Planning Documents, include policies to seek Section 106 monies (and Community Infrastructure Levy contributions where relevant) for the retrofitting of existing housing stock in water stressed areas. This will reduce the pressure of increased abstraction on the environment. (SE0220)	South East RBD	2011	Local Authorities (Environment Agency; South East England Partnership Board)

Local Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures	Ensure that local spatial planning policies for new development set out strong requirements for water efficiency measures. Outcome: Adopted Development Plan Documents include policies on (i) water efficiency measures for new development that seek to achieve Code for Sustainable Homes Level 3 and 4 (105 litres a day per capita consumption) as a minimum, and (ii) water efficiency measures for business and commercial developments (such as rainwater harvesting and recycling). (SE0219)	South East RBD	2012	Local Authorities (Environment Agency; Land managers and owners; South East England Partnership Board)
Abstraction and other artificial flow pressures	Develop and provide approved sustainable water management planning guidance to ensure that the impacts of development on the water environment are fully understood. Outcome: Produce planning guidance in partnership with Royal Town Planning Institute on the obligations of the Water Framework Directive and Spatial Planning. Deliver a series of updated seminars in association with key partners for planners. (SE0206)	South East RBD	2012	Environment Agency (Department for Communities and Local Government; Royal Town Planning Institute; Natural England; South East England Partnership Board)

Local Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures	Seek opportunities, such as supporting retro-fit initiatives, to improve water efficiency in existing homes and buildings. Outcome: Average per capita consumption is reduced towards meeting the Regional Economic Strategy target of 135 l/h/d by 2016 and as a result abstraction pressures on the environment are reduced. (SE0297)	South East RBD	2012	Environment Agency; South East England Development Agency
Abstraction and other artificial flow pressures	Encourage all rural businesses to adopt water efficiency measures, such as rainwater harvesting and recycling and use of storage reservoirs to support summer irrigation. Outcome: There is enough water for people, their businesses and the environment. (SE0213)	Isle of Wight Catchment; Rother Catchment; Stour Catchment; Arun & Western Streams Catchment	2012	Environment Agency; Central Government (Abstractors; Business and Industry)
Abstraction and other artificial flow pressures	Reduction of demand through specification of water efficient fittings in new and refurbished homes under Building Regulations. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0288)	South East RBD	2010	Local Authorities (water users)
Abstraction and other artificial flow pressures	Run education projects to raise awareness of the importance of water conservation on the Isle of Wight and encourage water saving. Outcome: Abstraction pressures on the water environment are reduced. (SE0295)	Isle of Wight Catchment	Implemented	Isle of Wight Footprint Trust

Local Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures; Nutrients	Ensure the requirement for Water Cycle Studies are set out in spatial planning documents and policies where appropriate, particularly in growth and/or high risk areas. Recommendations from such studies should be included in spatial planning policies. Outcome: Requirements for Water Cycle Studies are set out in spatial planning documents and policies by 2010, and undertaken for all Growth Areas within this plan area by 2012. Recommendations are included within Local Development Documents by 2012. (SE0222)	South East RBD	Implemented	Local Authorities; Environment Agency
Abstraction and other artificial flow pressures; Nutrients	Ensure that Green Infrastructure Strategies maximise potential benefits for water resources, water quality, drainage and flood risk management. Outcome: From 2010 all adopted Local Development Documents include Green Infrastructure Strategies, including sustainable water management. (SE0217)	South East RBD	Implemented	Local Authorities; Environment Agency

Local Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Direct biological pressures; Direct biological pressures	Contain and control invasive non-native species at priority sites through partnership working. Agree sites and action with the South East England Non-Native Invasive Species Action Group. Outcome: Spread of problem invasive species stopped and reversed, protecting important nationally and internationally designated habitats under threat from this pressure (SE0201)	New Forest Catchment; Arun & Western Streams ; Cuckmere & Pevensey Levels ; Test & Itchen	2012	Natural England; Environment Agency (Riparian owners; Land managers and owners; Forestry Commission; Local Authorities; Environmental NGOs)
Direct biological pressures; Direct biological pressures	Develop joint working between the Sea Fisheries Committees, Inshore Fisheries and Conservation Authorities and the Environment Agency on the collection of inshore data. Outcome: Improved understanding of pressures in the marine environment to enable better targeting and development of actions. (SE0207)	South East RBD	2012	Inshore Fisheries and Conservation Authorities; Environment Agency (Natural England; Local Authorities; Non-

Local Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Direct biological pressures; Physical modification	Produce code of conduct for commercial fisheries and sea anglers to protect marine sites of nature conservation importance. Outcome: Marine sites of nature conservation importance are protected from damage by fishing activities. (SE0267)	Sussex; Sussex East; Isle of Wight East coastal water bodies	2012	Sussex Inshore Fisheries and Conservation Authority (Environment Agency; Natural England; Local Authorities; Non-Governmental
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Pollution prevention advice and campaigns - Local campaign targeting school storage and use of hydrocarbons. Outcome: Improved groundwater and surface water quality. (SE0257)	Brighton Chalk Block	2012	Local Authorities
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Local initiative to agree voluntary pollution prevention and remediation of existing land contamination for at risk sites. Outcome: Bringing land back into beneficial use and remove potential sources of groundwater contamination. (SE0250)	South East RBD	2012	Land managers and owners

Local Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Microbiology; Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant)	Implement surface water management plans, ensuring water quality is considered on a catchment basis. Outcome: Increase resilience to surface water flooding, with fewer homes and critical infrastructures flooded. Works also improve control of diffuse pollution, provide opportunities for better wildlife habitat, and contribute to no deterioration of the water environment. (SE0234)	South East RBD	2012	Environment Agency (Local Authorities; Water companies)
Nitrate; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant); Phosphate	Work with local authorities to establish a cost effective way of recycling green domestic waste on agricultural land to increase soil organic content. Outcome: Improved water quality through reducing agricultural run-off by improving soil structure using green waste (SE0305)	South East RBD	2012	Environment Agency; Local Authorities (National Farmers' Union)

Local Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Microbiology; Organic pollutants; Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants	Influence Town and Country Planning Act authorisation process to help minimise risk of diffuse pollution from new developments (e.g. implement SUDs and use of Water Resource Act Planning Guidance). Outcome; Improved groundwater and surface water quality. (SE0239)	South East RBD	Implemented	Local Authorities; Environment Agency

Local Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Direct biological pressures; Abstraction and other artificial flow pressures; Sediments (as a direct pollutant)	Promote sustainable water management best practice through pre-application discussions with developers (as set out in the Environment Agency's publication 'A guide for developers') and establish good practice for site clearance prior to development. Outcome: Builders and developers design buildings that incorporate sustainable water management measures. (SE0272)	South East RBD	Implemented	Environment Agency; Local Authorities (Business and Industry)
Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant)	Implementation of the Ashford Water Cycle Strategy (2006 - 2031) to ensure growth in Ashford does not compromise environmental capacity and quality. The first Water Action Plan (2006 - 2011) will focus on sustainable drainage systems, water efficiency, water quality of the River Stour and its tributaries, and water supply and wastewater infrastructure. Outcome: Improvements in water quality and supply as a result of growth in Ashford, contributing to achieving good status. (SE0236)	East Stour	Implemented	Ashford's Future (Environment Agency)

Local Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant); Organic pollutants	Work with Natural England to target Catchment Sensitive Farming type activities and agri-environment schemes to ensure adoption of best farming practices. Outcome: Reduce diffuse pollution sources from agriculture within water bodies identified as being impacted or at risk. (SE0306)	Groundwater bodies: Lower Greensand Adur and Ouse; low Central Downs Chalk; Kent Romney Marsh; Central Hants Lambeth Group; South Hants Lambeth Group ; South West Hants Barton Group; Adur and Ouse Hastings Beds; Littlehampton Anticline East; Lower Greensand Arun and Western Streams; low Southern Downs Chalk; East Hants Chalk; Brighton Chalk Block; East Kent Chalk - Stour; Seaford And Eastbourne Chalk Block; Kent Isle Of Thanet Chalk; East Hants Lambeth Group; Chichester and Worthing Chalk; Kent Weald Eastern - Rother; Hastings Beds Cuckmere And Pevensey Levels; East Kent Tertiaries; River Itchen Chalk; Lower Greensand Cuckmere and Pevensey Levels; River Test Chalk; Kent Greensand Eastern Surface water bodies: Arun & Western Streams; Broad Rife, Lidsey Rife, R. Ems, Harting Stream, Stanbridge Stream	2012	Natural England; Environment Agency

Local Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant); Organic pollutants	Continued from above - see additional waterbodies Work with Natural England to target Catchment Sensitive Farming type activities and agri-environment schemes to ensure adoption of best farming practices. Outcome: Reduce diffuse pollution sources from agriculture within water bodies identified as being impacted or at risk. (SE0306)	Cuckmere & Pevensey Levels; Pevensey Haven between Rickney and Pevensey East Hampshire; Brownwich Stream, Horton Heath Stream, Potwell Trib, Steeple Court Stream Isle of Wight; Atherfield Stream, R. Eastern Yar, R. Medina, Thorley Brook, Rodge Brook, Monktonmead Brook, Palmers Brook, Gurnard Luck, Lukely Brook Rother; Brede between Battle and Winchelsea, Tillingham, Lower Rother from Robertsbridge to Iden, Walland Marsh Iden to Appledore, Cradlebridge Petty Sewer, Tributary of Newmill Channel upstream of Rolvenden, Romney Marsh between Appledore and West Hythe, Socknersh Stream, Tillingham Stour; Wingham River, Little Stour, East Stour, North Chislet Marsh Test & Itchen; Cadnam River, Whiteparish Trib, Sherfield English Stream, Fairbourne Stream to Fishlake Meadows, Tadburn Lake, River Blackwater, R. Blackwater, Test (Lower), River Itchen, River Test, R. Test (Middle), River Test, R. Anton, Bow Lake	2012	Natural England; Environment Agency

Local Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Organic pollutants; Nutrients; Physical modification; Abstraction and other artificial flow pressures	Ensure that planning policies and spatial planning documents take into account the objectives of the South East River Basin Management Plan. Outcome: The proposed Single Regional Strategy (and any reviews of policies within the South East Plan) and emerging drafts fully integrate the requirements of this plan. From 2010 all adopted Local Development Documents include policies relating to sustainable water management. From 2010 all emerging Sustainable Community Strategies include reference to the achievement of sustainable water management within their strategic vision. (SE0221)	South East RBD	2012	Environment Agency; Local Authorities (South East England Partnership Board)
Physical modification	Ensure that local spatial planning documents include policies to secure habitat creation in floodplains through developer contributions, taking into consideration the Biodiversity Opportunity Areas. Outcome: From 2011 Development Plan Documents include policies to seek Section 106 monies (and Community Infrastructure Levy contributions where relevant) for floodplain habitat creation. To help address diffuse pollution, and contribute to flood storage measures. (SE0218)	South East RBD	2012	Local Authorities (Environment Agency; South East England Partnership Board)
Physical modification	Restore degraded wetlands in the New Forest to improve the condition of nationally and internationally designated wildlife features, with reference to the New Forest Wetland Management Plan 2006-16. Outcome: No further deterioration in water body status, followed by status improvement (SE0291)	New Forest Catchment	2012	New Forest National Park Authority (Forestry Commission; Environment Agency; Natural England)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Promote and encourage sediment, vegetation and channel maintenance that enhances wildlife habitat and enables land drainage. Outcome: Protect, enhance, restore and retain marginal and in channel habitats. Improve fish movement and connection to floodplain. (SE0268)	South East RBD	2012	Environment Agency (Stour Internal Drainage Board; Romney Marshes Internal Drainage Board; Natural England; National Farmers' Union)
Physical modification	Establish a 'Regional Better Rivers Programme' to improve habitat and ecology in a first round of waters. Outcome: Improve ecological status or potential in 35 water bodies totalling 389 km in length (SE0223)	Test & Itchen; Monks Brook, Arle - Upstream of Drove Lane, River Blackwater, R. Test (Middle), R. Test (Middle), R. Test (Upper), River Itchen, R. Alre, R. Alre, R. Test, Tanner's Brook, Fairbourne Stream to Fishlake Meadows, Test (Lower), Test (Lower), Test (Upper), River Test, Candover Brook Adur & Ouse; Adur (Knepp) Stour; Upper Dour at Temple Ewell, North and South Streams in the Lydden Valley, Upper Great Stour, Dour from Kearsney to Dover New Forest; Bartley Water	2012	Environment Agency (Riparian owners; Developers; Forestry Commission; Natural England; Local Authorities; Environmental NGOs; Countryside Management Service (CMS))

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Identify priorities for second round of 'Regional Better Rivers Programme'. Outcome: Second planning cycle schemes improve habitat and ecology in waters agreed from a pool of 53 candidates totalling 545 km, building on monitoring and lessons from the first round. (SE0233)	Adur & Ouse: Adur (Lancing brook), Adur (Lottbridge), River Adur East (Sakeham), Blakes Gill, R. Adur West, Ouse, Glynde Reach, Ouse from Ardingly Reservoir to Lindfield, Ouse from Slaugham to Ardingly Reservoir, Cockhaise Brook, Tributary of River Uck north of Uckfield, Ouse from Cockhaise Brook confluence to Spithurst, Longford Stream, Scrase Bridge Stream conf to Cockhaise Bk, River Uck at Uckfield, River Ouse between Isfield and Coast Arun & Western Streams; R. Ems, Western Rother (Upstream Petersfield), Bignor Mill Stream, R. Kird, Minsted Stream, Western Rother, Hammer Stream (W. Sussex), Harting Stream, Haslingbourne Stream, R. Arun Source Cuckmere & Pevensey Levels; Nunningham Stream, Cuckmere from Alfriston to Arlington, Cuckmere from Warbleton to Lower Horsebridge, Hugletts Stream, Cuckmere between Arlington and Lower Horsebridge	2015	Environment Agency (Riparian owners; Natural England; Forestry Commission; Developers; Local Authorities; Environmental NGOs; Countryside Management Service (CMS)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Continued from above - see additional waterbodies Identify priorities for second round of 'Regional Better Rivers Programme'. Outcome: Second planning cycle schemes improve habitat and ecology in waters agreed from a pool of 53 candidates totalling 545 km, building on monitoring and lessons from the first round. (SE0233)	East Hampshire; River Alver, Brownwich Stream, Horton Heath Stream, Potwell Trib, Hook Lake, Hermitage Stream, R. Lavant (Hants), Botleigh Grange/ Hedge End Streams Isle of Wight; R. Eastern Yar, R. Medina, Atherfield Stream, Thorley Brook, Rodge Brook, Lukely Brook, Chilton Chine, Walpan Chine, Brook Chine, Br ighstone Streams New Forest; Langdown Stream, Beaulieu Abbey Stream, Cadland Stream Rother; Pent Stream Stour; Little Stour Test & Itchen; Pillhill Brook (Source), Westwood Stream, Bow Lake, R. Dever, Sholing Common Streams, R. Dun, Wallop Brook	2015	Environment Agency (Riparian owners; Natural England; Forestry Commission; Developers; Local Authorities; Environmental NGOs; Countryside Management Service (CMS)
Physical modification; Abstraction and other artificial flow pressures; Nutrients; Organic pollutants	Promote the use of sustainable drainage systems (SuDS). Include SuDS in new urban and rural developments where appropriate, and retrofit in priority areas where possible including highways. Outcome: Diffuse pollution reduced through the improved design and management of surface water drainage (SE0276)	South East RBD	2012	Environment Agency; Local Authorities (Water companies)

Local Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Encourage uptake of Voluntary Initiative best practice advice on pesticide use by land managers within the agricultural and amenity sectors (e.g. golf courses, parks, highways, railways). Outcome: Diffuse pesticide pollution reduced through the adoption of best practices. (SE0216)	South East RBD	Implemented	Voluntary Initiative Partnership (Environment Agency; Local Authorities)
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Research into locations of non-agricultural pesticide problem areas and their solutions, including pesticide use on highways. Outcome: Codes of practice and Memorandum of Understanding with Highways Agency and Local Government to limit pollution (SE0290)	South East RBD	2012	Environment Agency
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Local partnership initiatives to raise awareness and address the risk to groundwater by specific activities in urban areas. Outcome: Effective and appropriate pollution prevention measures are implemented. (SE0252)	South East RBD	2011	Environment Agency; Local Authorities

Local Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Hazardous substances and non-hazardous pollutants	Seek agreement with local authorities regarding the use of diuron and persistent pesticides in Source Protection Zones. Surveillance monitoring where required following the withdrawal of diuron from use in the UK. Outcome: Improved water quality resulting from the use of diuron and persistent pesticides in priority groundwater bodies including East Kent Chalk - Stour; Kent Isle Of Thanet Chalk (SE0296)	South East RBD	2012	Environment Agency
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Hazardous substances and non-hazardous pollutants	Local campaign to maintain a Memorandum of Understanding with Dover District Council, and take action to prevent further impact on the Drellingore public water supply by diuron or other pesticides. Outcome: No further pesticide pollution of public water supply. (SE0249)	East Kent Chalk - Stour	2012	Environment Agency; Local Authorities (Highways Agency)

Local Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Microbiology; Organic pollutants; Sediments (as a direct pollutant); Nutrients	Targeted advice and regulation to ensure appropriate management of surface water systems, to reduce contaminants in discharges including consideration of gully cleaning, trapping fats, oils and grease. Outcome: Reduction of chemical and physico chemical pollutants contributing to the failure to achieve good ecological status. (SE0301)	South East RBD	2012	Environment Agency; Local Authorities (Water companies)
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Organic pollutants; Nutrients; Sediments (as a direct pollutant)	Establish and maintain local advice led partnerships to improve farm and land management practices, to reduce diffuse pollution from agriculture and amenity. Outcome: Land managers apply best practice land management techniques, to improve water quality impacted upon by diffuse pollution. (SE0224)	Adur & Ouse; Herrings Stream , Little Horsted Stream , Ouse from Ardingly Reservoir to Lindfield , Ouse from Cockhaise Brook confluence to Spithurst , Pellingford Brook , R. Adur East , Ridgewood Stream , River Adur East (Sakeham) , River Ouse between Isfield and Coast , Tickerage Stream Arun & Western Streams; Loxwood Stream Cuckmere & Pevensey Levels: Cuckmere from Warbleton to Lower Horsebridge, Hugletts Stream, Wick Street Stream at Upper Dicker	2011	Environment Agency; Land managers and owners (Natural England; Local Authorities; National Farmers' Union)

Local Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant)	Encourage sustainable and efficient use of salt/grit used on motorways and highways. Outcome: efficient application of salt and grit used on highways, resulting in a reduction in pollutants contained in urban run-off (SE0215)	South East RBD	2012	Highways Agency; Local Authorities
Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants	Identify hot spots for sediment and other pollutants from highway run off and prepare management plans to reduce the risks. Outcome: Reduction of diffuse pollution from urban sources and management plans in place (SE0232)	Test & Itchen Catchment	2012	Highways Agency; Highways Agency
Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants; Organic pollutants; Nutrients	Promote good practice to avoid pollution from construction sites. Outcome: Reduction in pollution incidents caused by poor construction site management (SE0270)	Coggins Mill Stream; East Stour; Loose Stream; Monks Brook; R. Dever; Socknersh Stream	2010	Local Authorities (Environment Agency; Central Government; Construction Industry; Sustainable Business Partnerships)

Local Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification; Direct biological pressures	Investigate and where appropriate manage physical impacts of commercial inshore fisheries to improve marine biodiversity and fisheries productivity, through the Sensitive Area Management Plan for the Sussex coast. Outcome: Identify, designate and manage specific sites within the Sussex Sea Fisheries Committee District. It is intended that subject to changes in policy, these actions will be progressed by the relevant Inshore Fisheries and Conservation Authority, and support the process of Marine Conservation Zone designation in the Eastern Channel (SE0241)	Sussex; Sussex East; Isle of Wight East coastal water bodies	2012	Sussex Inshore Fisheries and Conservation Authority (Environment Agency; Natural England; Local Authorities; Non-Governmental Organisations)
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Organic pollutants; Nutrients	Promote the targeted mapping of land drainage discharges (fields, highways, rural roads) to better assess their impact on water quality and adopt appropriate control measures. Outcome: Production of land drainage map to identify and investigate sources of pollutants, and actions put in place to prevent environmental impact. Less diffuse pollution in related waters. (SE0275)	South East RBD	2012	Environment Agency (South East England Partnership Board; Local Authorities; Land managers and owners; Royal Town Planning Institute; Highways Agency; Natural England)

Local Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Ammonia; Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances & Specific Pollutants	Local initiative with Highways Agency and local authorities to determine amount of road drainage to Source Protection Zone 1 and seek alternative options. Initial pilot in Brighton and Hove. Outcome: Better protection of groundwater and surface water quality. (SE0251)	Brighton Chalk Block	2012	Environment Agency; Highways Agency (Local Authorities)
Ammonia; Nitrate; Hazardous substances and non-hazardous pollutants; Faecal indicator organisms; Priority Substances & Specific Pollutants	Further investigation following pilot study, to assess impacts of different nitrate and pesticide loading rates and applications from chalk farmland on groundwater. Outcome; Improved knowledge, leading to improvements in groundwater quality through better risk management. (SE0228)	Brighton Chalk Block	2012	Environment Agency (Brighton and Hove City Council; Southern Water)
SSSI / N2k Actions				
Physical modification	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through a Flood Management Programme (see Annex D) (SE0326)	South East RBD	2012	Environment Agency

Local Government

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through Implementation of Appropriate Coastal Management (see Annex D) (SE0327)	South East RBD	2012	Local Authorities

C.9 Mining and quarrying

There are very few mining and quarrying operations in this river basin district. Gypsum mining for plasterboard takes place near Battle in East Sussex, and historical coal mining activities in East Kent has resulted in the subsidence of local wetlands, and a plume of contaminated groundwater that continue to have an impact. It is likely that this plume will remain a potential threat to surface water bodies and wetland systems for many years to come.

Table C9: **Actions for the mining and quarrying sector**

See next page for action table

Mining and quarrying

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Mining and quarrying				
National Actions				
Abstraction and other artificial flow pressures	Extension of abstraction control to include previously exempt uses (abstractions by Ports and Harbour authorities from tidal waters under certain conditions likely to remain exempt) (SE0002)	South East RBD	2012	Environment Agency
Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances and Specific Pollutants (Metals)	Comply with Environment Agency Notices (Water Resources Act S86 and S161, Groundwater Regulations, contaminated land legislation, Silage Slurry and Agricultural Fuel Oils Regulations). Make use of site specific notices to remove pollution risks to groundwater (SE0066)	South East RBD	Implemented	Land managers and owners; Environment Agency (Local Authorities)
Hazardous substances and non-hazardous pollutants; Priority Substances and Specific Pollutants (Metals)	Coal Authority minewater pumping schemes to prevent intrusion (SE0052)	South East RBD	Implemented	Coal Authority

Mining and quarrying

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Priority Substances and Specific Pollutants (Metals)	Coal Authority minewater restoration programme (SE0053)	South East RBD	Implemented	Coal Authority
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances and Specific Pollutants (Metals)	Registrations (in conjunction with Standard Rules) - Implement new regulatory approach (via Environmental Permitting Regulations) arising from implementation of the new Groundwater Directive (2006/116/EC) (SE0089)	South East RBD	2012	Environment Agency (Industry leads; Land managers and owners; Water companies)
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances and Specific Pollutants (Metals)	Comply with local authority contaminated land legislation Notices. Make use of site specific notices to remove pollution risk to groundwater (SE0156)	South East RBD	Implemented	Land managers and owners; Local Authorities

Mining and quarrying

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Plans, processes and programmes (such as the Environment Agency Navigation and Recreation strategies) will be aligned to the requirements of hydromorphology to achieve Water Framework Directive objectives (especially ecological potential). This will be two fold: i) Mitigation measures required to reach good ecological potential will be identified in and delivered through such plans, and ii) the prioritisation of environmental improvements will be influenced by the specific requirements to reach Water Framework Directive objectives. (SE0145)	South East RBD	Implemented	Environment Agency
Physical modification	A central spatially-enabled hydromorphological database will be created, this will provide a system that will quickly and reliably, supply data to better understand hydromorphological impacts of modifications to water bodies. it will be used to provide available hydromorphological data as an input into the approval/assessment processes for new physical modifications to ensure compliance with Water Framework Directive requirements, especially those related to Article 4(7). (SE0117)	South East RBD	2010	Environment Agency

Mining and quarrying

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Local Actions				
Ammonia; Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances and Specific Pollutants (Metals)	Assess the impact of historic coal mining on chalk groundwater, streams and marshes in East Kent, and identify future work required. Outcome: Action plan to improve groundwater and surface water body quality. (SE0195)	Water bodies in East Kent including East Kent Chalk Stour groundwater body and associated surface water bodies	2012	Environment Agency
Hazardous substances and non-hazardous pollutants; Nitrate; Ammonia; Faecal indicator organisms; Priority Substances and Specific Pollutants (Metals)	Produce a scoping report for British Gypsum, Battle on all potential impacts of present day mining activity, waste disposal and discharges on groundwater and associated surface water systems and implications of improvements to groundwater body classification on surface water body classification. Outcome: Action plan to improve groundwater and surface water body quality. (SE0266)	Kent Weald Eastern - Rother	2012	Environment Agency

Mining and quarrying

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nitrate; Ammonia; Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Priority Substances and Specific Pollutants (Metals)	Review of groundwater and surface water quality monitoring in East Kent Coalfields to determine state of network and spread of plume from former coal mine process water to assess potential ongoing impact on surface water bodies and groundwater dependant terrestrial ecosystems. Outcome: Action plan to improve groundwater and surface water body quality. (SE0292)	East Kent Chalk - Stour	2012	Environment Agency
Nutrients; Microbiology; Organic pollutants; Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants	Influence Town and Country Planning Act authorisation process to help minimise risk of diffuse pollution from new developments (e.g. implement SUDs and use of Water Resource Act Planning Guidance). Outcome; Improved groundwater and surface water quality. (SE0239)	South East RBD	Implemented	Local Authorities; Environment Agency

C.10 Navigation

Ports and marinas provide important regional infrastructure supporting local economies and businesses. Ports handle approximately 95 per cent of UK trade in tonnage terms. Domestic coastal freight services contribute to reducing road congestion and can provide a more environmentally friendly mode of transport than road or rail. The South East River Basin District has a number of important international ports including Southampton, Portsmouth and Dover.

Shipping relies on safe access to water of an adequate depth for access to markets. Some ports have statutory duties to maintain waters to specified depths and undertake dredging activities to maintain and deepen channels. Metal concentrations in the South East estuarine sediments and levels of chemicals used as anti-foulants are high in a number of locations. This contamination can be released into the water as a result of dredging or disturbance. This causes operational problems for port and harbour authorities that may need to dredge for navigation purposes and for some shellfisheries.

The South East coast is also popular with tourists and there are a significant number of marinas and small ports, for example at Brighton and on the Isle of Wight. A British Marine Federation report on marinas and moorings for both inland and coastal sectors illustrated that the demand for moorings exceeds the supply in coastal waters. The Environment Agency is the navigation authority in Rye harbour.

Table C10: **Actions for the navigation sector**

See next page for action table

Navigation

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Navigation				
National Actions				
Abstraction and other artificial flow pressures	Extension of abstraction control to include previously exempt uses (abstractions by Ports and Harbour authorities from tidal waters under certain conditions likely to remain exempt) (SE0002)	South East RBD	2012	Environment Agency
Dredging (sediment management)	Develop dredging and disposal framework (Ports sector), which will provide guidance to all those undertaking or permitting navigation dredging and dredged material disposal activities to assist in achieving the statutory objectives of the Water Framework Directive and related EQS Directive (2008/105/EEC) and refine local measures as appropriate (where not disproportionately costly or technically infeasible) (SE0040)	Adur; Arun; Beaulieu River; Bembridge Harbour Lagoon; Black Water Lagoons; Chichester Harbour; Chichester Harbour East; Cuckmere; Eastern Yar; Great Deep; Isle Of Wight East; Kent North; Kent South ; Langstone Harbour; Langstone Oysterbeds; Lymington; Medina; Newtown River; Old Mill Ponds; Ouse; Pagham Harbour; Pagham Lagoon; Portsmouth Harbour; Rother; Solent; Southampton Water; Sowley Marsh; Stour (Kent); Sussex; Sussex East; Ternery Pool; ; Wallington; Western Yar; Whitstable Bay; Wootton Creek	Implemented	Environment Agency
Physical modification	Plans, processes and programmes (such as the Environment Agency Navigation and Recreation strategies) will be aligned to the requirements of hydromorphology to achieve Water Framework Directive objectives (especially ecological potential). This will be two fold: i) Mitigation measures required to reach good ecological potential will be identified in and delivered through such plans, and ii) the prioritisation of environmental improvements will be influenced by the specific requirements to reach Water Framework Directive objectives. (SE0145)	South East RBD	Implemented	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	A central spatially-enabled hydromorphological database will be created, this will provide a system that will quickly and reliably, supply data to better understand hydromorphological impacts of modifications to water bodies. it will be used to provide available hydromorphological data as an input into the approval/assessment processes for new physical modifications to ensure compliance with Water Framework Directive requirements, especially those related to Article 4(7). (SE0117)	South East RBD	2010	Environment Agency
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) (SE0181)	Adur; Arun; Beaulieu River; Bembridge Harbour Lagoon; Black Water Lagoons; Chichester Harbour; Chichester Harbour East; Cuckmere; Eastern Yar; Great Deep; Isle Of Wight East; Kent North; Kent South ; Langstone Harbour; Langstone Oysterbeds; Lymington; Medina; Newtown River; Old Mill Ponds; Ouse; Pagham Harbour; Pagham Lagoon; Portsmouth Harbour; Rother; Solent; Southampton Water; Sowley Marsh; Stour (Kent); Sussex; Sussex East; Ternery Pool; ; Wallington; Western Yar; Whitstable Bay; Wootton Creek	2012	Marine and Fisheries Agency; Defra

Navigation

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Apply national guidance framework on dredging to refine local measures as appropriate (where not disproportionately costly or technically infeasible) (SE0182)	Adur; Arun; Beaulieu River; Bembridge Harbour Lagoon; Black Water Lagoons; Chichester Harbour; Chichester Harbour East; Cuckmere; Eastern Yar; Great Deep; Isle Of Wight East; Kent North; Kent South ; Langstone Harbour; Langstone Oysterbeds; Lymington; Medina; Newtown River; Old Mill Ponds; Ouse; Pagham Harbour; Pagham Lagoon; Portsmouth Harbour; Rother; Solent; Southampton Water; Sowley Marsh; Stour (Kent); Sussex; Sussex East; Ternery Pool; ; Wallington; Western Yar; Whitstable Bay; Wootton Creek	2012	Marine and Fisheries Agency; Defra
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Review existing controls for disposal of dredgings inside and outside harbour limits as appropriate (SE0190)	Adur; Arun; Beaulieu River; Bembridge Harbour Lagoon; Black Water Lagoons; Chichester Harbour; Chichester Harbour East; Cuckmere; Eastern Yar; Great Deep; Isle Of Wight East; Kent North; Kent South ; Langstone Harbour; Langstone Oysterbeds; Lymington; Medina; Newtown River; Old Mill Ponds; Ouse; Pagham Harbour; Pagham Lagoon; Portsmouth Harbour; Rother; Solent; Southampton Water; Sowley Marsh; Stour (Kent); Sussex; Sussex East; Ternery Pool; ; Wallington; Western Yar; Whitstable Bay; Wootton Creek	2012	Marine and Fisheries Agency; Defra

Navigation

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Review existing controls for dredging inside and outside harbour limits as appropriate (SE0191)	Adur; Arun; Beaulieu River; Bembridge Harbour Lagoon; Black Water Lagoons; Chichester Harbour; Chichester Harbour East; Cuckmere; Eastern Yar; Great Deep; Isle Of Wight East; Kent North; Kent South ; Langstone Harbour; Langstone Oysterbeds; Lymington; Medina; Newtown River; Old Mill Ponds; Ouse; Pagham Harbour; Pagham Lagoon; Portsmouth Harbour; Rother; Solent; Southampton Water; Sowley Marsh; Stour (Kent); Sussex; Sussex East; Ternery Pool; ; Wallington; Western Yar; Whitstable Bay; Wootton Creek	2012	Marine and Fisheries Agency; Defra
Tributyltin (TBT) compounds	EU-wide non-application of TBT to boat hulls from July 2003. From January 2008 TBT should not be used on ship hulls or there should be a coating to prevent leaching of underlying TBT anti-foulants (SE0186)	South East RBD	Implemented	EU
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Develop national guidance framework on disposal of dredgings to inform Programme of Measures to meet Water Framework Directive objectives (SE0183)	Adur; Arun; Beaulieu River; Bembridge Harbour Lagoon; Black Water Lagoons; Chichester Harbour; Chichester Harbour East; Cuckmere; Eastern Yar; Great Deep; Isle Of Wight East; Kent North; Kent South ; Langstone Harbour; Langstone Oysterbeds; Lymington; Medina; Newtown River; Old Mill Ponds; Ouse; Pagham Harbour; Pagham Lagoon; Portsmouth Harbour; Rother; Solent; Southampton Water; Sowley Marsh; Stour (Kent); Sussex; Sussex East; Ternery Pool; ; Wallington; Western Yar; Whitstable Bay; Wootton Creek	2010	Defra

Navigation

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Develop national guidance framework on dredging to inform Programme of Measures to meet Water Framework Directive objectives (SE0184)	Adur; Arun; Beaulieu River; Bembridge Harbour Lagoon; Black Water Lagoons; Chichester Harbour; Chichester Harbour East; Cuckmere; Eastern Yar; Great Deep; Isle Of Wight East; Kent North; Kent South ; Langstone Harbour; Langstone Oysterbeds; Lymington; Medina; Newtown River; Old Mill Ponds; Ouse; Pagham Harbour; Pagham Lagoon; Portsmouth Harbour; Rother; Solent; Southampton Water; Sowley Marsh; Stour (Kent); Sussex; Sussex East; Ternery Pool; ; Wallington; Western Yar; Whitstable Bay; Wootton Creek	2010	Defra
Tributyltin (TBT) compounds	Help prevent illegal use of old TBT containing products (SE0187)	South East RBD	Implemented	British Marine Federation; Royal Yachting Association (British Waterways; Environment Agency)
Tributyltin (TBT) compounds	EU-wide ban on marketing of TBT as a biocide in the EU (SE0185)	South East RBD	Implemented	EU
Tributyltin (TBT) compounds	Investigate the reason for failure: to assess the contribution from dredging or disposal activities on EQS compliance as appropriate (SE0188)	Adur; Aldingbourne Rife; Cuckmere From Alfriston To Arlington; Great Stour Between A2 And West Stourmouth; Great Stour Between Ashford And Wye; Great Stour Between Wye And A2; Kent South ; Lower Rother From Robertsbridge To Iden; R. Arun (U/S Pallingham); R. Rother (West Sussex); River Blackwater; Solent; Southampton Water; Test (Lower)	2012	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Local Actions				
Direct biological pressures; Direct biological pressures	Contain and control invasive non-native species at priority sites through partnership working. Agree sites and action with the South East England Non-Native Invasive Species Action Group. Outcome: Spread of problem invasive species stopped and reversed, protecting important nationally and internationally designated habitats under threat from this pressure (SE0201)	New Forest Catchment; Arun & Western Streams ; Cuckmere & Pevensey Levels ; Test & Itchen	2012	Natural England; Environment Agency (Riparian owners; Land managers and owners; Forestry Commission; Local Authorities; Environmental NGOs)
Nutrients; Microbiology; Organic pollutants; Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants	Influence Town and Country Planning Act authorisation process to help minimise risk of diffuse pollution from new developments (e.g. implement SUDs and use of Water Resource Act Planning Guidance). Outcome; Improved groundwater and surface water quality. (SE0239)	South East RBD	Implemented	Local Authorities; Environment Agency

Navigation

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Organic pollutants; Nutrients; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Microbiology	Run campaign to educate boat users regarding disposal of toilet waste, oil, solvent, paint and cleaning products in waters at risk from diffuse pollution. Outcome: This will supplement other actions and help ensure no deterioration in relevant water bodies (SE0294)	Transitional: Lymington, Beaulieu River, Southampton Water Medina, Wotton Creek, Bembridge Harbour, Lagoon, Wallington, Chichester Harbour East, Rother, Sour (Kent), Eastern Yar	2012	Environment Agency (Local Authorities; British Marine Federation; Ports and Harbours Authorities; Royal Yachting Association; Environmental NGOs)
SSSI / N2k Actions				
Physical modification; Priority Hazardous Substances, Priority Substances and Specific Pollutants	Adopt the Maintenance Dredging Protocol to ensure all conservation aspects are considered in relation to the Natura 2000 network, in connection with maintenance dredging requirements. Where possible, the consideration of ensuring good status or good ecological potential will be included in the production of the Baseline Document. Outcome: Production of agreed Baseline Documents by Ports and Harbour Authorities where maintenance dredging occurs. (SE0309)	South East RBD	2012	Defra; Ports and Harbours Authorities (Marine and Fisheries Agency; Natural England; Environment Agency; Solent Forum)

C.11 Urban and transport

Retail, health and business services are the largest employment sectors in the South East river basin district. The economy of many coastal and inland locations also rely heavily on tourism. To support the growth of the district there is a need to accommodate new housing and associated infrastructure in the South East . For example, a number of Ecotowns have been proposed, and there are plans to expand existing towns and some villages. It is vital that this growth is planned and delivered in a way that protects the water environment.

Runoff and drainage from urban areas and transport infrastructure can contain a range of contaminants including sewage, metals, sediment and other substances that wash directly into rivers or enter via the sewerage network. Extreme runoff events are likely to become more frequent as climate change continues. The legacy of land contamination in some areas has led to pollution of groundwater resources and some of rivers.

New development requires planning policies to avoid and reduce potential impacts of proposed development on water resources, water quality, biodiversity, river restoration, green infrastructure, contaminated land and surface water management and flood risk. These need to be reflected in practice on the ground across several sectors, including urban and transport. For example, the use of sustainable drainage systems, water efficiency, and best practice during construction and maintenance of buildings and the transport network.

Encouraging the sustainable use and management of water resources and a move to more sustainable drainage systems will help reduce the impacts associated with abstraction and urban runoff, with benefits for all water users. Sustainable and integrated drainage systems also offer potential benefits for managing the risk of flooding in urban areas.

Table C 11: **Actions for the urban and transport sector**

See next page for action table

Urban and transport

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Urban and transport				
National Actions				
Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances and Specific Pollutants	Comply with Environment Agency Notices (Water Resources Act S86 and S161, Groundwater Regulations, contaminated land legislation, Silage Slurry and Agricultural Fuel Oils Regulations). Make use of site specific notices to remove pollution risks to groundwater (SE0066)	South East RBD	Implemented	Land managers and owners; Environment Agency (Local Authorities)
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Follow pesticides statutory Code of Practice - comply with published advice for operators on control of plant protection products (SE0061)	South East RBD	Implemented	Land managers and owners
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Follow Pesticides Code of Practice - comply with published advice for operators on control of plant protection products (SE0058)	South East RBD	Implemented	Industry leads; Land managers and owners

Urban and transport

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Follow the SUDS (sustainable drainage systems) Interim Code of Practice - comply with published advice for operators (SE0168)	South East RBD	Implemented	Industry leads
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Comply with new EC Sustainable Use of Pesticides Directive to control use of Plant Protection Products (SE0047)	South East RBD	2012	Land managers and owners
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Implementation of Network Rail Pesticide protocol (SE0155)	South East RBD	Implemented	Industry leads (Environment Agency)

Urban and transport

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Comply with WRA consent conditions (SE0054)	South East RBD	Implemented	Environment Agency
Nitrate	Follow advice on controlling nitrate releases to land and water (SE0074)	South East RBD	Implemented	Land managers and owners
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Provide development planning standing advice (SE0084)	South East RBD	Implemented	Environment Agency

Urban and transport

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances and Specific Pollutants	Registrations (in conjunction with Standard Rules) - Implement new regulatory approach (via Environmental Permitting Regulations) arising from implementation of the new Groundwater Directive (2006/116/EC) (SE0089)	South East RBD	2012	Environment Agency (Industry leads; Land managers and owners; Water companies)
Nutrients; Sediments (as a direct pollutant); Organic pollutants; Microbiology; Priority Hazardous Substances, Priority Substances and Specific Pollutants	National Fire Service Protocol to minimise the risk of pollution during fire emergencies (SE0115)	South East RBD	Implemented	National Fire Service

Urban and transport

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Plans, processes and programmes (such as the Environment Agency Navigation and Recreation strategies) will be aligned to the requirements of hydromorphology to achieve Water Framework Directive objectives (especially ecological potential). This will be two fold: i) Mitigation measures required to reach good ecological potential will be identified in and delivered through such plans, and ii) the prioritisation of environmental improvements will be influenced by the specific requirements to reach Water Framework Directive objectives. (SE0145)	South East RBD	Implemented	Environment Agency
Physical modification	A central spatially-enabled hydromorphological database will be created, this will provide a system that will quickly and reliably, supply data to better understand hydromorphological impacts of modifications to water bodies. it will be used to provide available hydromorphological data as an input into the approval/assessment processes for new physical modifications to ensure compliance with Water Framework Directive requirements, especially those related to Article 4(7). (SE0117)	South East RBD	2010	Environment Agency

Urban and transport

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Water Framework Directive mitigation measures manual for flood and coastal erosion risk management and land drainage activities. This manual will set out best practice options for measures to mitigate against the impacts of such activities upon ecology. This will be used to ensure that new and existing schemes and management activities will take into consideration Water Framework Directive requirements and will results in minimal ecological damage. (SE0146)	South East RBD	2010	Environment Agency
Physical modification; Abstraction and other artificial flow pressures	Actions to reduce the physical impacts of urban development activities in artificial or heavily modified water bodies (as specified in annex B) (SE0147)	South East RBD	Implemented	Local Authorities (Environment Agency)
Priority Hazardous Substances, Priority Substances and Specific Pollutants	General guidance to improve Pesticide use through the Amenity Forum (SE0150)	South East RBD	Implemented	Amenity Forum

Urban and transport

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants; Microbiology; Nutrients; Organic pollutants	Environment Agency and Highways Agency Memorandum of Understanding (MoU) and associated initiatives (SE0180)	South East RBD	Implemented	Highways Agency
Physical modification	Investigations into the ecological outcomes of measures required to mitigate against the effects of flood and coastal risk management activities, improving the understanding of the cost/benefit and technical feasibility of such measures and developing understanding of the underlying processes, ecological responses and applicability. Case studies will be used and the outcomes will have a national application. (SE0142)	South East RBD	2010	Environment Agency
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Highways Agency Programme to investigate soakaways (SE0060)	South East RBD	Implemented	Highways Agency

Urban and transport

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Local Actions				
Abstraction and other artificial flow pressures	Ensure that local spatial plans include policies to secure developer contributions for retrofitting water efficiency measures in existing housing stock, in water stressed areas. Outcome: From 2011 adopted local spatial plans, such as Area Action Plans and Supplementary Planning Documents, include policies to seek Section 106 monies (and Community Infrastructure Levy contributions where relevant) for the retrofitting of existing housing stock in water stressed areas. This will reduce the pressure of increased abstraction on the environment. (SE0220)	South East RBD	2011	Local Authorities (Environment Agency; South East England Partnership Board)
Abstraction and other artificial flow pressures	Ensure that local spatial planning policies for new development set out strong requirements for water efficiency measures. Outcome: Adopted Development Plan Documents include policies on (i) water efficiency measures for new development that seek to achieve Code for Sustainable Homes Level 3 and 4 (105 litres a day per capita consumption) as a minimum, and (ii) water efficiency measures for business and commercial developments (such as rainwater harvesting and recycling). (SE0219)	South East RBD	2012	Local Authorities (Environment Agency; Land managers and owners; South East England Partnership Board)
Abstraction and other artificial flow pressures	Promote small-scale storage reservoirs to businesses, where they can be justified in the context of the twin track approach of resource development and demand management, and are proven to be resilient to a range of hydrological events. Outcome: Abstraction pressures are reduced during low flow periods (SE0271)	South East RBD	Implemented	Environment Agency (South East England Development Agency; National Farmers' Union)

Urban and transport

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures	Reduction of demand through specification of water efficient fittings in new and refurbished homes under Building Regulations. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0288)	South East RBD	2010	Local Authorities (water users)
Abstraction and other artificial flow pressures; Nutrients	Ensure the requirement for Water Cycle Studies are set out in spatial planning documents and policies where appropriate, particularly in growth and/or high risk areas. Recommendations from such studies should be included in spatial planning policies. Outcome: Requirements for Water Cycle Studies are set out in spatial planning documents and policies by 2010, and undertaken for all Growth Areas within this plan area by 2012. Recommendations are included within Local Development Documents by 2012. (SE0222)	South East RBD	Implemented	Local Authorities; Environment Agency
Abstraction and other artificial flow pressures; Nutrients	Ensure that Green Infrastructure Strategies maximise potential benefits for water resources, water quality, drainage and flood risk management. Outcome: From 2010 all adopted Local Development Documents include Green Infrastructure Strategies, including sustainable water management. (SE0217)	South East RBD	Implemented	Local Authorities; Environment Agency

Urban and transport

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Ammonia; Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances & Specific Pollutants	Local initiative with Highways Agency and local authorities to determine amount of road drainage to Source Protection Zone 1 and seek alternative options. Initial pilot in Brighton and Hove. Outcome: Better protection of groundwater and surface water quality. (SE0251)	Brighton Chalk Block	2012	Environment Agency; Highways Agency (Local Authorities)
Direct biological pressures; Direct biological pressures	Contain and control invasive non-native species at priority sites through partnership working. Agree sites and action with the South East England Non-Native Invasive Species Action Group. Outcome: Spread of problem invasive species stopped and reversed, protecting important nationally and internationally designated habitats under threat from this pressure (SE0201)	New Forest Catchment; Arun & Western Streams ; Cuckmere & Pevensey Levels ; Test & Itchen	2012	Natural England; Environment Agency (Riparian owners; Land managers and owners; Forestry Commission; Local Authorities; Environmental NGOs)

Urban and transport

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Local initiative to agree voluntary pollution prevention and remediation of existing land contamination for at risk sites. Outcome: Bringing land back into beneficial use and remove potential sources of groundwater contamination. (SE0250)	South East RBD	2012	Land managers and owners
Nutrients; Microbiology; Organic pollutants; Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants	Influence Town and Country Planning Act authorisation process to help minimise risk of diffuse pollution from new developments (e.g. implement SUDs and use of Water Resource Act Planning Guidance). Outcome; Improved groundwater and surface water quality. (SE0239)	South East RBD	Implemented	Local Authorities; Environment Agency

Urban and transport

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Direct biological pressures; Abstraction and other artificial flow pressures; Sediments (as a direct pollutant)	Promote sustainable water management best practice through pre-application discussions with developers (as set out in the Environment Agency's publication 'A guide for developers') and establish good practice for site clearance prior to development. Outcome: Builders and developers design buildings that incorporate sustainable water management measures. (SE0272)	South East RBD	Implemented	Environment Agency; Local Authorities (Business and Industry)
Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant)	Implementation of the Ashford Water Cycle Strategy (2006 - 2031) to ensure growth in Ashford does not compromise environmental capacity and quality. The first Water Action Plan (2006 - 2011) will focus on sustainable drainage systems, water efficiency, water quality of the River Stour and its tributaries, and water supply and wastewater infrastructure. Outcome: Improvements in water quality and supply as a result of growth in Ashford, contributing to achieving good status. (SE0236)	East Stour	Implemented	Ashford's Future (Environment Agency)

Urban and transport

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Ensure that local spatial planning documents include policies to secure habitat creation in floodplains through developer contributions, taking into consideration the Biodiversity Opportunity Areas. Outcome: From 2011 Development Plan Documents include policies to seek Section 106 monies (and Community Infrastructure Levy contributions where relevant) for floodplain habitat creation. To help address diffuse pollution, and contribute to flood storage measures. (SE0218)	South East RBD	2012	Local Authorities (Environment Agency; South East England Partnership Board)
Physical modification; Abstraction and other artificial flow pressures; Nutrients; Organic pollutants	Promote the use of sustainable drainage systems (SuDS). Include SuDS in new urban and rural developments where appropriate, and retrofit in priority areas where possible including highways. Outcome: Diffuse pollution reduced through the improved design and management of surface water drainage (SE0276)	South East RBD	2012	Environment Agency; Local Authorities (Water companies)
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Encourage uptake of Voluntary Initiative best practice advice on pesticide use by land managers within the agricultural and amenity sectors (e.g. golf courses, parks, highways, railways). Outcome: Diffuse pesticide pollution reduced through the adoption of best practices. (SE0216)	South East RBD	Implemented	Voluntary Initiative Partnership (Environment Agency; Local Authorities)

Urban and transport

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Research into locations of non-agricultural pesticide problem areas and their solutions, including pesticide use on highways. Outcome: Codes of practice and Memorandum of Understanding with Highways Agency and Local Government to limit pollution (SE0290)	South East RBD	2012	Environment Agency
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Local partnership initiatives to raise awareness and address the risk to groundwater by specific activities in urban areas. Outcome: Effective and appropriate pollution prevention measures are implemented. (SE0252)	South East RBD	2011	Environment Agency; Local Authorities
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Hazardous substances and non-hazardous pollutants	Local campaign to maintain a Memorandum of Understanding with Dover District Council, and take action to prevent further impact on the Drellingore public water supply by diuron or other pesticides. Outcome: No further pesticide pollution of public water supply. (SE0249)	East Kent Chalk - Stour	2012	Environment Agency; Local Authorities (Highways Agency)

Urban and transport

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Microbiology; Organic pollutants; Sediments (as a direct pollutant); Nutrients	Targeted advice and regulation to ensure appropriate management of surface water systems, to reduce contaminants in discharges including consideration of gully cleaning, trapping fats, oils and grease. Outcome: Reduction of chemical and physico chemical pollutants contributing to the failure to achieve good ecological status. (SE0301)	South East RBD	2012	Environment Agency; Local Authorities (Water companies)
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant)	Encourage sustainable and efficient use of salt/grit used on motorways and highways. Outcome: efficient application of salt and grit used on highways, resulting in a reduction in pollutants contained in urban run-off (SE0215)	South East RBD	2012	Highways Agency; Local Authorities

Urban and transport

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants	Identify hot spots for sediment and other pollutants from highway run off and prepare management plans to reduce the risks. Outcome: Reduction of diffuse pollution from urban sources and management plans in place (SE0232)	Test & Itchen Catchment	2012	Highways Agency; Highways Agency
Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants; Organic pollutants; Nutrients	Promote good practice to avoid pollution from construction sites. Outcome: Reduction in pollution incidents caused by poor construction site management (SE0270)	Coggins Mill Stream; East Stour; Loose Stream; Monks Brook; R. Dever; Socknersh Stream	2010	Local Authorities (Environment Agency; Central Government; Construction Industry; Sustainable Business Partnerships)

Urban and transport

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Organic pollutants; Nutrients	Promote the targeted mapping of land drainage discharges (fields, highways, rural roads) to better assess their impact on water quality and adopt appropriate control measures. Outcome: Production of land drainage map to identify and investigate sources of pollutants, and actions put in place to prevent environmental impact. Less diffuse pollution in related waters. (SE0275)	South East RBD	2012	Environment Agency (South East England Partnership Board; Local Authorities; Land managers and owners; Royal Town Planning Institute; Highways Agency; Natural England)
Nitrate; Hazardous substances and non-hazardous pollutants; Faecal indicator organisms; Ammonia; Priority Substances & Specific Pollutants	Investigations to identify areas at risk of contaminants from urban and transport activities, and develop targeted pollution prevention partnerships. Develop Memorandum Of Understanding. Outcome: Reduction in pollution from non agricultural pesticides, road drainage, road salt, hydrocarbons and foul drainage. (SE0246)	Arun & Western Streams Hastings Beds; Brighton Chalk Block; Central Hants Bracklesham Group; Central Hants Lambeth Group; Chichester-Worthing-Portsdown Chalk; East Hants Lambeth Group; Hastings Beds Cuckmere and Pevensey Levels; IOW Southern Downs Chalk; Kent Isle of Thanet Chalk; Kent Romney Marsh; Kent Weald Eastern - Rother; Lower Greensand Adur & Ouse; Lower Greensand Arun & Western Streams; River Itchen Chalk; River Test Chalk; South East Hants Bracklesham Group	2012	Environment Agency; Highways Agency (Local Authorities)

C.12 Water industry

There are two water and sewerage service companies operating in the South East River Basin District – Southern Water and Thames Water. In addition, four water-only companies also operate in the District: Veolia Water Southeast (previously Folkestone and Dover Water Supply); South East Water; Portsmouth Water; and Bournemouth and West Hampshire Water.

Protecting waters means that sewage effluents must be treated to a very high standard and abstractions limited to ensure acceptable minimum flows remain in rivers and estuaries, including those that are groundwater fed. This presents a challenge to water companies, in managing the pressures on the both sewerage systems and water supply infrastructure, to meet environmental quality and quantity requirements whilst accommodating the demands of growth across the District.

Although the water industry is regulated consistently across the country as a whole, the challenges companies face varies significantly across the District in a number of ways. For example, one important difference is the source of the drinking water supplied by the industry. The dominant source of water across the District is from groundwater; typically around 60% is from the Chalk that comprises the South Downs for example, other aquifers account for about another 20%. However, the District also has a number of important abstractions from rivers. The rivers in the District are predominantly dependent on surface drainage (such as the River Ouse) with little support from groundwater. This means that their flows can be more variable and perhaps less reliable: many of the rivers and streams of Sussex have this characteristic. This means that the water companies of the District have to operate in varying ways to provide a secure, high quality supply. In managing the use of resources across the District, the Environment Agency must ensure that river flow and groundwater regimes can also support the many high value river and wetland ecosystems such as the River Itchen, Chichester and Langstone Harbour, the Arun Valley, the Pevensey Levels, and Romney Marsh.

A large proportion of the population lives near the coast and this also reduces flexibility to recycle wastewater. A high population density and low rainfall compounds the demand for scarce water resources, especially during droughts. The entire District is in an area agreed by Defra of Serious Water Stress and all the water companies have begun working together to optimise the planning process to find the best way to share precious water resources across the region. Population growth and the effects of climate change have led to more pressure on rivers. This is illustrated by an increase in failures of the Freshwater Fisheries Directive, which has risen from failures at 3 stretches in 2000 to 24 in 2007.

Table C 12: **Actions for the Water Industry sector**

See next page for action table

Water Industry

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Water Industry				
National Actions				
Abstraction and other artificial flow pressures	Extension of abstraction control to include previously exempt uses (abstractions by Ports and Harbour authorities from tidal waters under certain conditions likely to remain exempt) (SE0002)	South East RBD	2012	Environment Agency
Ammonia; Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances & Specific Pollutants	Prioritisation of vulnerable groundwater areas which may need provision of first time rural sewerage under Water Resources Act (1991) s101 targeting Source Protection Zone 1 and Groundwater Flooding areas. Outcome - identification of priority areas to use in liaison with Local Planning Authorities (SE0011)	'Brighton Chalk Block; Central Hants Bracklesham Group; Central Hants Lambeth Group; Chichester-Worthing-Portsdown Chalk; Hastings Beds Cuckmere and Pevensey Levels; IOW Southern Downs Chalk; Kent Isle of Thanet Chalk; Kent Romney Marsh; Kent Weald Eastern - Rother; Lower Greensand Arun & Western Streams; River Itchen Chalk; River Test Chalk; Lower Greensand Adur & Ouse; Arun & Western Streams Hastings Bed; East Hants Lambeth Group; South East Hants Bracklesham Group	2012	Environment Agency
Ammonia; Nitrate; Hazardous substances and non-hazardous pollutants; Faecal indicator organisms; Priority Substances & Specific Pollutants	Water Company proposal to improve integrity of sewers and impact on groundwater by nitrates and other chemicals via phased improvement programme, under PR09 (SE0015)	Kent Isle of Thanet Chalk	2012	Southern Water

Water Industry

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Chlortoluron	Re-direct existing CSF resource to address issue. (DrWPA0033)	Test (Lower)	2010	Natural England
Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Nitrate; Ammonia; Priority Substances & Specific Pollutants	Water Company assesment of integrity of sewer network to assess potential nitrogen inputs from sewerage system in Source Protection Zone area of Deal, with view to reducing losses to ground. (SE0160)	East Kent Chalk - Stour	2012	Water companies
Hazardous substances and non-hazardous pollutants; Faecal indicator organisms; Ammonia; Nitrate; Priority Substances & Specific Pollutants	Water Company research in to integrity of sewers and impact on groundwater by nitrates and other chemicals (SE0170)	Kent Isle of Thanet Chalk	2012	Water companies

Water Industry

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Nitrate; Faecal indicator organisms; Ammonia; Priority Substances & Specific Pollutants	Review of groundwater quality monitoring at public water supply abstractions to ensure that all indicators of impact by sewage are monitored for. (SE0171)	East Kent Chalk - Stour	2012	Water companies
Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances and Specific Pollutants	Comply with Environment Agency Notices (Water Resources Act S86 and S161, Groundwater Regulations, contaminated land legislation, Silage Slurry and Agricultural Fuel Oils Regulations). Make use of site specific notices to remove pollution risks to groundwater (SE0066)	South East RBD	Implemented	Land managers and owners; Environment Agency (Local Authorities)
Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Follow the SUDS (sustainable drainage systems) Interim Code of Practice - comply with published advice for operators (SE0168)	South East RBD	Implemented	Industry leads
Nitrate	Sludge Regulations - comply with published advice to operators (SE0077)	South East RBD	Implemented	Environment Agency; Water companies

Water Industry

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nitrate	Provision of first time rural sewerage schemes (SE0076)	South East RBD	Implemented	Water companies
Nitrate	Sludge Regulations - monitoring and enforcement (SE0078)	South East RBD	Implemented	Environment Agency; Water companies
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Implement Groundwater Protection: Policy and Practice - External education on groundwater pollution prevention (SE0087)	South East RBD	Implemented	Land managers and owners; Environment Agency
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Development planning structure plans - influence location of development to protect groundwater (SE0086)	South East RBD	Implemented	Water companies; Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	PR09 – Water Company spending review. Water Framework Directive specific obligations (SE0082)	South East RBD	2012	Central Government
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Comply with discharge consent conditions (SE0081)	South East RBD	Implemented	Water companies
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific	PR04 – Water Company spending review (SE0088)	South East RBD	Implemented	Central Government

Water Industry

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances and Specific Pollutants (Metals)	Registrations (in conjunction with Standard Rules) - Implement new regulatory approach (via Environmental Permitting Regulations) arising from implementation of the new Groundwater Directive (2006/116/EC) (SE0089)	South East RBD	2012	Environment Agency (Industry leads; Land managers and owners; Water companies)
Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances and Specific Pollutants (Metals)	Comply with local authority contaminated land legislation Notices. Make use of site specific notices to remove pollution risk to groundwater (SE0156)	South East RBD	Implemented	Land managers and owners; Local Authorities
Nutrients; Organic pollutants	Improvement to water company assets at a location in the Isle of Wight Catchment, to deliver benefits against the pressures identified. The improvement is to install a new secondary treatment plant at Highwood Lane STW. (SE0094)	River Medina	2010	Southern Water

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants; Microbiology	Conduct modelling to assess bacteriological impact on Shellfish Waters from the 2 STWs in Southampton Water to establish if UV disinfection is required: Slowhill Copse STW and Ashlett Creek STW. - A scheme to install event/duration monitoring at 3 locations: Fire Station Lane CSO, Ashlett Creek STW Storm Overflow and Dibles Road Pumping Station CSO. (SE0098)	Solent; Southampton Water; River Beaulieu	2011	Southern Water
Nutrients; Organic pollutants; Microbiology	Conduct modelling to assess bacteriological impact on Shellfish Waters from the 3 STWs in Southampton Water: Portswood STW, Woolston STW and Millbrook STW to establish if UV disinfection is required. - A scheme to install event/duration monitoring at Bursledon Bridge STW storm overflow. (SE0099)	River Itchen; Solent; Southampton Water; East Hampshire Catchment	2011	Southern Water
Nutrients; Organic pollutants; Microbiology	Improvements to water company assets: -A scheme to install event/duration monitoring at 8 locations in the East Hampshire Catchment to assess the impacts of storm events on Shellfish Waters. (SE0113)	Portsmouth Harbour; Solent	2011	Southern Water
Nutrients; Organic pollutants; Microbiology	Conduct modelling to assess bacteriological impact on Shellfish Waters from Norton CSO and CEO. – A scheme to install event/duration monitoring at 11 locations on the Isle of Wight. (SE0097)	Solent	2011	Southern Water
Nutrients; Organic pollutants; Microbiology	Conduct modelling on Weatherlees STW to assess bacteriological impact on Shellfish Waters (SE0096)	English Channel	2011	Southern Water

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Phosphate	Research and development on the fate and transport of phosphate in groundwater to determine its impact on surface waters (SE0116)	South East RBD	2012	Water companies; Environment Agency
Physical modification	Plans, processes and programmes (such as the Environment Agency Navigation and Recreation strategies) will be aligned to the requirements of hydromorphology to achieve Water Framework Directive objectives (especially ecological potential). This will be two fold: i) Mitigation measures required to reach good ecological potential will be identified in and delivered through such plans, and ii) the prioritisation of environmental improvements will be influenced by the specific requirements to reach Water Framework Directive objectives. (SE0145)	South East RBD	Implemented	Environment Agency
Physical modification	A central spatially-enabled hydromorphological database will be created, this will provide a system that will quickly and reliably, supply data to better understand hydromorphological impacts of modifications to water bodies. it will be used to provide available hydromorphological data as an input into the approval/assessment processes for new physical modifications to ensure compliance with Water Framework Directive requirements, especially those related to Article 4(7). (SE0117)	South East RBD	2010	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Priority Hazardous Substances, Priority Substances and Specific Pollutants	General guidance to improve Pesticide use through the Amenity Forum (SE0150)	South East RBD	Implemented	Amenity Forum
Saline intrusion	Catchment Abstraction Management Strategies – Implement abstraction licensing controls to minimise and manage risks from saline intrusion (SE0176)	South East RBD	Implemented	Environment Agency; Water companies
Abstraction and other artificial flow pressures	Investigation to determine cost effective action to manage abstraction to support good ecological potential: Hamble, river Ems, river Lavant and river Wallington (SE0004)	Chichester-Worthing-Portsdown Chalk; East Hants Chalk; Hamble; R. Ems; R. Lavant (Sussex); R. Wallington	2012	Portsmouth Water (Environment Agency)
Abstraction and other artificial flow pressures	Investigation to determine cost effective action to manage abstraction to support good ecological potential: Lewes Winterbourne (SE0005)	Brighton Chalk Block; Winterbourne Steam at Lewes	2012	Southern Water (Environment Agency)
Abstraction and other artificial flow pressures	Programme of investigation into the ecological impacts of managed flows in heavily modified water bodies, for water supply use (SE0007)	South East RBD	2012	Water companies (Environment Agency)

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Aldrin, Atrazine, Diuron, 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. (DrWPA0038)	Little Stour	2010	Central Government; Environment Agency
Ammonia; Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances & Specific Pollutants	Improvements to water company assets to deliver benefits against the pressures identified or investigate the need for further investment. The improvements include: Schemes investigating the impact of Liss Hill Brow STW, Liss Knowles Meadow STW, under the Groundwater Directive and any subsequent improvement. (SE0009)	Lower Greensand Arun & Western Streams; Lower Greensand Adur and Ouse	2012	Southern Water
Ammonia; Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances & Specific Pollutants	Improvements to water company assets to deliver benefits against the pressures identified or investigate the need for further investment. The improvements include: Schemes investigating the impact of West Marden STW under the Groundwater Directive and any subsequent improvement. (SE0012)	Littlehampton Anticline East	2012	Southern Water

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Ammonia; Faecal indicator organisms; Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Review of consent limits following AMP4 work findings at Lydd. Investigation of increased flow due to population growth area, under PR09 (SE0157)	Kent Romney Marsh	2012	Environment Agency
Ammonia; Nitrate; Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific	Improvements to water company assets to deliver benefits against the pressures identified or investigate the need for further investment. The improvements include: Schemes investigating the impact of Alresford STW, Morestead STW under the Groundwater Directive and any subsequent improvement. (SE0013)	River Itchen Chalk	2012	Southern Water
Ammonia; Nitrate; Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Improvements to water company assets to deliver benefits against the pressures identified or investigate the need for further investment. The improvements include: Schemes investigating the impact of Droxford STW under the Groundwater Directive and any subsequent improvement. (SE0014)	East Hants Chalk	2015	Southern Water

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Bentazone, Triclopyr, Trichloroacetic Acid, MCPA, Chlortoluron, Carbendazim, , Mecoprop, Cyanazine, Dalapon, Glyphosate	Further monitoring to confirm risk of failure of WFD Article 7 (DrWPA0040)	Little Stour	2010	Environment Agency; Water companies
Carbetamide, Dalapon	Further monitoring to confirm risk of failure of WFD Article 7 (DrWPA0035)	Darwell Reservoir	2010	Environment Agency; Water companies
Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Ammonia; Nitrate; Priority Substances & Specific Pollutants	Review of storm overflow discharge following AMP4 work findings - ongoing investigation at Ottinge Waste Water Pumping Station (SE0158)	East Kent Chalk - Stour	2012	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Nitrate; Ammonia; Priority Substances & Specific Pollutants	Improvements to water company assets to deliver benefits against the pressures identified or investigate the need for further investment. The improvements include: Schemes investigating the impact of Ludgershall STW, Oakley Water Ridges STW, Overton STW, Whitchurch STW, Ivy Down Lane Oakley STW, North Waltham STW East Grinstead STW and Dundridge STW under the Groundwater Directive and any subsequent improvement. (SE0159)	River Test Chalk	2012	Southern Water
Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Nitrate; Ammonia; Priority Substances & Specific Pollutants	Consent review following AMP4 investigation of sewage discharge to ground at Offham, Sussex (SE0043)	Brighton Chalk Block	2012	Environment Agency
Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Nitrate; Ammonia; Priority Substances & Specific Pollutants	Improvements to water company assets to deliver benefits against the pressures identified or investigate the need for further investment. The improvements include: Schemes investigating the impact of Lydd STW under the Groundwater Directive and any subsequent improvement. (SE0042)	Kent Romney Marsh	2012	Southern Water

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Ammonia; Nitrate; Faecal indicator organisms; Priority Substances & Specific	Improvements to water company assets to deliver benefits against the pressures identified or investigate the need for further investment. The improvements include: Schemes investigating the impact of East Dean STW under the Groundwater Directive and any subsequent improvement. (SE0044)	Seaford and Eastbourne Chalk Block	2012	Southern Water
Hazardous substances and non-hazardous pollutants; Nitrate; Faecal indicator organisms; Ammonia; Priority Substances & Specific Pollutants	Improvements to water company assets to deliver benefits against the pressures identified or investigate the need for further investment. The improvements include: Schemes investigating the impact of Ottinge STW under the Groundwater Directive and any subsequent improvement. (SE0045)	East Kent Chalk - Stour	2012	Southern Water

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Hazardous substances and non-hazardous pollutants; Nitrate; Faecal indicator organisms; Ammonia; Priority Substances & Specific Pollutants	Investigate apparent increases in salinity associated with Denge abstraction during low rainfall periods, with view to reviewing licence if appropriate. (SE0046)	Kent Romney Marsh	2012	Environment Agency
Hazardous substances and non-hazardous pollutants; Nitrate; Phosphate; Priority Substances & Specific Pollutants	Investigation of Groundwater Dependent Terrestrial Ecosystems (GWDTEs) to assess if they have been significantly damaged as a result of groundwater pollution (SE0172)	South East RBD	Implemented	Environment Agency
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. (DrWPA0034)	Test (Lower)	2010	Central Government; Environment Agency

Water Industry

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
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. (DrWPA0037)	Darwell Reservoir	2010	Central Government; Environment Agency
Metaldehyde	further monitoring/investigations to confirm risk of failure of WFD Article 7(SE1002)	Coggins Mill Stream; Dudwell; Glottenham Stream upstream of Robertsbridge; Great Stour between A2 and West Stourmouth; Great Stour between Wye and A2; Kent Ditch; Limden; Lower Rother from Robertsbridge to Iden; Rother between Witherenden Hill and Etchingham; Rother, Coggins Mill conf to Witherenden Hill; Socknersh Stream; Western Rother; Western Rother (Upstream Petersfield); Western Rother Durford	2010	Environment Agency, Water companies
Metaldehyde	further monitoring/investigations to confirm risk of failure of WFD Article 7 (SE1001)	Arlington Reservoir; River Ouse between Isfield and Coast; Rother between Witherenden Hill and Etchingham; Wallers Haven from A259 to Coast	2010	Environment Agency, Water companies

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nitrate; Ammonia; Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Improvements to water company assets to deliver benefits against the pressures identified or investigate the need for further investment. The improvements include: Schemes investigating the impact of Offham STW, Pyecombe East and West STW's under the Groundwater Directive and any subsequent improvement. (SE0080)	Brighton Chalk Block	2012	Southern Water
Nitrate; Hazardous substances and non-hazardous pollutants; Faecal indicator organisms; Ammonia; Priority Substances & Specific Pollutants	Consent review following AMP4 investigation of sewage discharge to ground at East Dean Waste Water Pumping Station (SE0175)	Seaford and Eastbourne Chalk Block	2012	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants	Improvement to water company assets at 1 location in the Arun and Western Streams Catchment, to deliver benefits against the pressures identified or investigate the need for further investment. The improvement is: - A scheme to improve the discharge at Coldwaltham STW where there is a requirement under the Habitats Directive to remove more phosphate than required by the Urban Waste Water Treatment Directive. (SE0093)	Broad Rife; Arun & Western Streams Catchment	2010	Southern Water
Nutrients; Organic pollutants	Improvements to water company assets at a location in the Rother Catchment, to deliver benefits against the pressures identified or investigate the need for further investment. The improvements include: - A scheme to improve the discharge from Icklesham STW where there is a requirement under the CROW act to remove more phosphate, BOD, Suspended Solids or Ammonia. (SE0095)	Petty Sewer/Kent Weald Eastern - Rother	2010	Southern Water

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants; Microbiology	Improvements to water company assets at 19 locations in the Arun and Western Streams Catchment, to deliver benefits against the pressures identified or investigate the need for further investment. The improvements include: - Schemes to ensure compliance with the Groundwater Directive and Groundwater Daughter Directive at Hillbrow Hill Brow STW, Liss Knowles Meadow STW and West Marden STW. Schemes to ensure no deterioration in the current classification as a result of increased volumes of discharge from Fittleworth STW, South Ambersham STW and Ockley West STW, Schemes to ensure compliance with the Freshwater Fisheries Directive at Chiddingfold STW, Horsham STW, Lidsey STW and Wisborough Green STW. - Schemes to improve the discharges at Chichester STW, Bosham STW and Thornham STW where there is a requirement under the Habitats Directive to remove more nitrogen than required by the Urban Waste Water Treatment Directive. A scheme to investigate the discharge from Coldwaltham STW where there is a requirement under the CROW Act to assess the impact of water company assets. (SE0104)	Boldings Brook; Broad Rife; Chichester Harbour; Elsted Stream; Lidsey Rife; Loxwood Stream; North River; Stanbridge Stream; Arun & Western Streams Catchment; River Stor; River Kird; River Rother (West Sussex); River Ems; Hammer Stream (West Sussex); River Lavant (Sussex); Aldingbourne Rife; Great Deep; English Channel	2015	Southern Water

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants; Microbiology	Improvements to water company assets at 61 locations in the East Hampshire Catchment, to deliver benefits against the pressures identified or investigate the need for further investment. The improvements include: - A scheme to improve Bishops Waltham STW associated with 2007 inland and marine sensitive areas (eutrophic) designations. - A scheme to ensure compliance with the Groundwater Directive and Groundwater Daughter Directive at Droxford STW. - Schemes to install event/duration monitoring at 42 overflows and UV Disinfection to be installed at Budds Farm STW and Peel Common STW as referenced in the Shellfish Water Pollution Reduction Plans. - Schemes to improve the mandatory failure of the Southsea Bathing Water under the current Bathing Water Directive. - Schemes to investigate the discharges from Alver Road Gosport CEO and Burrfields Road Portsmouth CSO, and Village Road, Alverstoke WPS where there is a requirement to meet a target under the UK Biodiversity Action Plan. - Schemes to improve the discharge at Budds Farm STW, Peel Common STW and Bursledon STW, where there is a requirement under the Urban Waste Water Treatment Directive (SE0110)	Hermitage Stream; Hook Lake; Langstone Harbour; Portsmouth Harbour; River Alver; Solent; Wallington; East Hampshire Catchment; River Meon; English Channel; Workhouse Lake; Great Salterns Lake; Fareham Creek; Ports Creek; River Wallington; Badman Creek; Broom Channel	2015	Southern Water

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants; Microbiology	Improvements to water company assets at 21 locations in the Test and Itchen Catchment, to deliver benefits against the pressures identified or investigate the need for further investment. The improvements include: - A scheme to ensure no deterioration in the current classification as a result of increased volumes of discharge from West Wellow STW and Evans Close STW. - Schemes to ensure compliance with the Groundwater Directive and Groundwater Daughter Directive at Dunbridge STW, East Grimstead STW, Ivy Down Lane STW, Ludgershall STW, Morestead STW, New Alresford STW, North Waltham STW, Oakley Water Ridges STW, Overton STW, Whitchurch STW. – Requirement to improve the discharge at Chickenhall Eastleigh STW, Morestead STW, New Alresford STW and Millbrook STW under the Habitats Directive to remove more of a determinand than required by the Urban Waste Water Treatment Directive. - Schemes to improve the discharge at Redlynch STW where there is a requirement under the CROW Act to remove more BOD, Suspended Solids and Ammonia than required by the Urban Waste Water Treatment directive. - Schemes to improve Millbrook STW and Woolston STW associated with 2007 inland sensitive areas (eutrophic) designations. (SE0106)	'River Blackwater; River Itchen; River Test; Sholing Common Streams; Southampton Water; River Dun; River Dun, Pillhill Brook; Pillhill Brook (Source)	2015	Southern Water

Water Industry

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants; Microbiology	Improvements to water company assets at 13 locations in the Cuckmere and Pevensey Levels Catchment, to deliver benefits against the pressures identified or investigate the need for further investment. The improvements include: - A scheme to improve Vines Cross STW associated with 2007 inland sensitive areas (eutrophic) designations. - Investigation at Hastings Bathing Water into predicted Poor Bathing Water quality under the Revised Bathing Water Directive, event/duration monitors to be installed at: Pilot Field Hastings CSO, Radcliffe Close Hastings, Rock A Nore Hastings CEO, Seaside Road Hastings No 2 CSO and Warrior Square Hastings CSO. - Investigations at Hailsham North STW and Hailsham South STW to assess its impact on the CROW Act requirements. - Schemes to ensure compliance with the Groundwater Directive and Groundwater Daughter Directive at East Dean STW, Offham STW and Pyecombe East STW. - Schemes to ensure no deterioration in the current classification as a result of increased volumes of discharge from Lunsford Cross STW. (SE0103)	Hurst Haven at Hailsham; Combe Haven between Powdermill Str conf and Coast; 'Seaford and Eastbourne Chalk Block	2015	Southern Water

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants; Microbiology	Improvements to water company assets at 11 locations in the Stour Catchment, to deliver benefits against the pressures identified or investigate the need for further investment. The improvements include: - A scheme to ensure compliance with the Freshwater Fisheries Directive at Ashford STW. - Schemes to ensure no deterioration in the current classification as a result of increased volumes of discharge from Wye STW, Brook STW and Charing STW. - A scheme to ensure compliance with the Groundwater Directive and Groundwater Daughter Directive at Ottinge WPS. A scheme to reduce the impact of leaking sewers on the Thanet Groundwater Management Unit. - Schemes to improve Canterbury STW, Dambridge STW and Herne Bay May Street STW associated with 2007 inland sensitive areas (eutrophic) designations. – Investigation to determine surface water outfall location to allow the Broadstairs Viking Bay Bathing Water to meet the requirements of the current Bathing Water Directive. (SE0102)	River Great Stour, Little Stour, East Stour, River Stour, North Sea, Tankerton Bay, English Channel	2015	Southern Water

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants; Microbiology	Improvements to water company assets at 21 locations in the Adur and Ouse Catchment, to deliver benefits against the pressures identified or investigate the need for further investment. The improvements include: - Schemes to ensure compliance with the Groundwater Directive and Groundwater Daughter Directive at Pyecombe West STW and Streat STW. - Schemes to ensure no deterioration in the current classification as a result of increased volumes of discharge from Dial Post STW, Fletching STW, Halland STW, Lower Beeding STW, Burgess Hill (Goddards Green) STW, Ripe WWTW, Wivelsfield STW and Monks Gate STW. - Investigation into predicted Poor Bathing Water quality under the Revised Bathing Water Directive for Worthing Bathing Water. Event/duration monitors to be installed at: Carnegie Rd CSO, Cortis Ave CSO, Marine Cres CSO, Mertletts Way CSO, Sea Lane Goring CSO, Sea Lane Worthing CSO, Sompting Rd Penfold Rd CSO, Sompting Rd CSO, Wallace Ave CSO, and Wigmore Rd CSO. (SE0105)	Adur; Bevern Stream; Black Sewer; Blakes Gill; Chess Stream; Cowfold Stream; Honeybridge Stream; Ridgewood Stream; Ouse from Ardingly Reservoir to Lindfield; Ouse from Cockhaise Brook confluence to Spithurst; Ouse from Slaugham to Ardingly Reservoir; River Uck at Uckfield; River Uck, Ridgewood stream confluence to Ford;	2015	Southern Water

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants; Microbiology	Improvements to water company assets at 11 locations in the New Forest Catchment, to deliver benefits against the pressures identified or investigate the need for further investment. The improvements include: - Schemes to improve the discharge at Slowhill Copse STW, Lyndhurst STW and Pennington STW where there is a requirement under the Habitats Directive to remove more of a determinand than required by the Urban Waste Water Treatment Directive - Scheme to install UV disinfection at Pennington STW as referenced in the Shellfish Water Pollution Reduction Plans. - Schemes to improve the discharge at Bank STW and Lyndhurst STW where there is a requirement under the CROW Act to remove more BOD, Suspended Solids and Ammonia than required by the Urban Waste Water Treatment directive. - A scheme to improve Slowhill Copse STW and Pennington STW associated with the 2007 inland sensitive areas (eutrophic) designations. (SE0101)	'Bartley Water; Black Water; Highland Water; Jacobs Gutter; Langdown Stream; Lymington River; Solent; River Beaulieu; Southampton Water.	2015	Southern Water

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants; Microbiology	Improvements to water company assets at 7 locations in the Isle of Wight Catchment, to deliver benefits against the pressures identified or investigate the need for further investment. The improvements include: - A scheme to improve the discharge at Chillerton STW where there is a requirement to meet a target under the UK Biodiversity Action Plan. - A scheme to ensure no deterioration in the current classification as a result of increased volumes of discharge from Roud STW and Brading STW - A scheme to improve the discharge from Newtown STW to meet CROW Act requirements. - Scheme install event/duration monitoring at Norton Green CSO as referenced in the Shellfish Water Pollution Reduction Plans. - A scheme to relocate the discharge at Fairlee Landfill where there is a requirement under the Habitats Directive. (SE0112)	Solent; Western Yar; Wootton Creek; Isle of Wight Catchment; River Medina; River Eastern Yar	2015	Southern Water
Nutrients; Organic pollutants; Microbiology	Improvements to water company assets at 6 locations in the Arun and Western Streams Catchment, to deliver benefits against the pressures identified or investigate the need for further investment. The improvements include: - Schemes to ensure compliance with the Water Framework Directive targets for Ammonia, BOD and/or phosphate at Pulborough STW, Chiddingfold STW, Grayswood STW, Liss STW, South Harting STW and Warnham STW. - Schemes to identify investigations to quantify risk from chemicals at Sidlesham STW and Tangmere STW. (SE0109)	Boldings Brook; Broad Rife; Elsted Stream; Lidsey Rife; Loxwood Stream; River Stor; Aldingbourne Rife; River Rother (West Sussex)	2015	Southern Water

Water Industry

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants; Microbiology	Improvements to water company assets at 5 locations in the Rother Catchment, to deliver benefits against the pressures identified or investigate the need for further investment. The improvements include: - Schemes to ensure compliance with the Ammonia and/or phosphate targets under the Water Framework Directive at Washwell Lane Wadhurst STW, Battle STW, Sedlescombe STW, Stubbs Lane Brede STW and Westfield STW. (SE0108)	Doleham Ditch; Newmill Channel downstream of A28; Royal Military Canal; Tidebrook; Tributary of Newmill Channel upstream of Rolvenden	2015	Southern Water
Nutrients; Organic pollutants; Microbiology	Improvements to water company assets at 7 locations in the Adur and Ouse Catchment, to deliver benefits against the pressures identified or investigate the need for further investment. The improvements include: - Schemes to ensure compliance with the Water Framework Directive phosphate targets at Ashington STW, Balcombe STW, Foxhill STW, Handcross STW, Staplefield STW, Wivelsfield STW and Cuckfield STW. (SE0111)	Ouse from Ardingly Reservoir to Lindfield; Ouse from Cockhaise Brook confluence to Spithurst; Ouse from Slaugham to Ardingly Reservoir; Ouse, Scrase Bridge Stream conf to Cockhaise Bk; Honeybridge Stream; River Adur East; River Uck at Uckfield	2015	Southern Water
Nutrients; Organic pollutants; Microbiology	Improvements to water company assets at 1 location in the Test and Itchen Catchment, to deliver benefits against the pressures identified or investigate the need for further investment. The improvements include: - Schemes to identify investigations to quantify risk from chemicals at Chickenhall Eastleigh STW to be in compliance with the Water Framework Directive. (SE0100)	River Itchen	2015	Southern Water

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants; Microbiology	Improvements to water company assets at 3 locations in the Stour Catchment, to deliver benefits against the pressures identified or investigate the need for further investment. The improvements include: - Schemes to ensure compliance with the ammonia and phosphate targets under the Water Framework Directive at Charing STW, Lenham STW and Sellindge STW. (SE0107)	East Stour; Little Stour; Great Stour between A2 and West Stourmouth; Great Stour between Ashford and Wye; Great Stour between Wye and A2	2015	Southern Water
Nutrients; Organic pollutants; Phosphate	Improvements to water company assets at 6 locations in the Rother Catchment, to deliver benefits against the pressures identified or investigate the need for further investment. The improvements include: - Schemes to ensure compliance with the Freshwater Fisheries Directive at Hawkhurst North STW, Iden Green STW and Sandhurst STW. - A scheme to ensure no deterioration in the current classification as a result of increased volumes of discharge from Hawkhurst North STW, Lydd STW, Westfield STW and Wittersham STW. - A scheme to ensure compliance with the Groundwater Directive and Groundwater Daughter Directive at Lydd STW. (SE0092)	Hexden Channel; Jury's Gut Sewer at Lydd Ranges	2015	Southern Water
Physical modification	Monitoring and investigation into mitigation measures techniques, to establish their effectiveness and improve understanding of hydromorphological and ecological interactions. The outcomes from this work will be applied nationally. (SE0143)	South East RBD	2011	Environment Agency
Pressures on groundwater balance	Investigation to determine cost effective action to manage abstraction to support good groundwater quantitative status (SE0148)	Brighton Chalk Block	2012	Environment Agency

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Pressures on groundwater dependent ecosystems; Pressures on groundwater balance; Abstraction	Investigation to improve confidence in groundwater quantitative status result (SE0149)	Brighton Chalk Block; Chichester-Worthing-Portsdown Chalk; IOW Central Downs Chalk; IOW Lower Greensand; Kent Greensand Eastern; Kent Isle of Thanet Chalk; Littlehampton Anticline East; Littlehampton Anticline West; Lower Greensand Arun & Western Streams; Seaford and Eastbourne Chalk Block	2012	Environment Agency
Priority Hazardous Substances, Priority Substances and Specific Pollutants	Investigate emissions from STWs and appraise options to reduce at source or treat at STW, to meet Environmental Quality Standards and reduce/cease emissions in this or subsequent rounds. STWs to be assessed: Handcross STW, Chickenhall Eastleigh WWTW, Tangmere WWTW, Sidlesham STW, Wadhurst Washwell Lane STW and Billingshurst STW. (SE0151)	Rother Catchment; Adur & Ouse Catchment; Test & Itchen Catchment; Arun & Western Streams Catchment	2015	Southern Water
Saline intrusion; Pressures on groundwater dependent ecosystems	Investigation to verify risk of deterioration in groundwater quantitative status (SE0177)	Brighton Chalk Block; Central Hants Bracklesham Group; Central Hants Lambeth Group; Chichester-Worthing-Portsdown Chalk; East Hants Chalk; East Kent Tertiaries; IOW Central Downs Chalk; IOW Lower Greensand; IOW Solent Group; Kent Isle of Thanet Chalk; River Test Chalk; South Hants Lambeth Group	2012	Environment Agency

Water Industry

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Trichloroacetic Acid	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 (DrWPA0032)	Test (Lower)	2010	Environment Agency; Water Companies
Physical modification; Abstraction and other artificial flow pressures	Actions to reduce the physical impacts of public water supply in artificial or heavily modified water bodies e.g. enabeling fish to access waters up stream and down stream of reservoirs (as specified in annex B) (SE0344)	South East RBD	Implemented	Water companies (Environment Agency)
Local Actions				
Abstraction and other artificial flow pressures	Promote water recycling and rainwater harvesting where cost-effective, appropriate and used together with other demand management measures. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0277)	South East RBD	2012	Environment Agency (Central Government; Water companies; South East England Development Agency)
Abstraction and other artificial flow pressures	Encourage all rural businesses to adopt water efficiency measures, such as rainwater harvesting and recycling and use of storage reservoirs to support summer irrigation. Outcome: There is enough water for people, their businesses and the environment. (SE0213)	Isle of Wight Catchment; Rother Catchment; Stour Catchment; Arun & Western Streams Catchment	2012	Environment Agency; Central Government (Abstractors; Business and Industry)

Water Industry

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures	Work with the water companies in the South East to encourage sharing of existing and future resources including consideration of transfers and interconnectivity of supply systems. Outcome: Abstraction pressures on the environment are reduced. (SE0308)	South East RBD	Implemented	Environment Agency; Water companies
Abstraction and other artificial flow pressures	Seek reduction of leakage through increased rate of replacement of old or damaged pipes, excluding customer supply pipes. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0298)	South East RBD	2010	Water companies
Abstraction and other artificial flow pressures	Pilot tariff trials to evaluate the ability of variable tariffs to reduce demand of metered properties in the future. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0255)	Rother Catchment; Stour Catchment	Implemented	Water companies
Abstraction and other artificial flow pressures	Develop and implement a demand management campaign including targeting specific non-household sectors (e.g. review Fawley water use, 'Ensuring water for all' project). Outcome: Abstraction pressures on the environment are reduced (SE0204)	South East RBD	2010	Environment Agency
Abstraction and other artificial flow pressures	Encourage more water companies to achieve universal water metering more rapidly and to implement variable tariffs. Outcome: Reduction in per capita consumption will contribute towards a more sustainable abstraction regime. (SE0214)	South East RBD	2012	Environment Agency

Water Industry

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures	Coordinated education and awareness on water efficiency and re-use to promote value of water. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0203)	South East RBD	2012	Water companies; Environment Agency
Abstraction and other artificial flow pressures	Reduction of demand through installation of compulsory meters in domestic properties. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0283)	South East RBD	2010	Water companies
Abstraction and other artificial flow pressures	Reduction of demand through installation of household meters on change of occupier. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0284)	South East RBD	Implemented	Water companies
Abstraction and other artificial flow pressures	Seek reduction of leakage through systematic replacement of customer supply pipes. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0299)	South East RBD	2010	Water companies
Abstraction and other artificial flow pressures	Run education projects to raise awareness of the importance of water conservation on the Isle of Wight and encourage water saving. Outcome: Abstraction pressures on the water environment are reduced. (SE0295)	Isle of Wight Catchment	Implemented	Isle of Wight Footprint Trust
Abstraction and other artificial flow pressures	Education and awareness on water efficiency to promote value of water. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0212)	South East RBD	Implemented	Water companies

Water Industry

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures	Reduction of demand through promotion of free household meters. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0287)	South East RBD	Implemented	Water companies
Abstraction and other artificial flow pressures	Reduction of leakage through active leakage control. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0289)	South East RBD	2010	Water companies
Abstraction and other artificial flow pressures	Options appraisal for action at Biodiversity Action Plan sites perceived to be adversely affected by abstraction: Great Stour, Little Stour, and Wingham River. Outcome: Reduced water use so there is enough water for people, their businesses and the environment in the future. (SE0254)	East Kent Chalk - Stour; Great Stour between A2 and West Stourmouth; Great Stour between Wye and A2; Little Stour; Wingham River	2012	Environment Agency, South East Water; Southern Water; Veolia Water Southeast
Abstraction and other artificial flow pressures	Review the effectiveness of measures on catchments at risk of flow problems, particularly where climate change could make problems worse. Outcome: Water Framework Directive water management measures are effective in the future. (SE0293)	South East RBD	Implemented	Environment Agency

Water Industry

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Bentazone; Carbendazim; Chlortoluron; Cyanazine; Dalapon; MCPA; Mecoprop; Trichloroacetic Acid; Triclopyr	Undertake further monitoring to confirm risk of failure of the Drinking Water Standards. Outcome; Improved knowledge, enabling better risk based protection of drinking water aquifers. (SE0302)	Darwell Reservoir; Little Stour	2010	Environment Agency; Water companies
Direct biological pressures; Direct biological pressures	Contain and control invasive non-native species at priority sites through partnership working. Agree sites and action with the South East England Non-Native Invasive Species Action Group. Outcome: Spread of problem invasive species stopped and reversed, protecting important nationally and internationally designated habitats under threat from this pressure (SE0201)	New Forest Catchment; Arun & Western Streams ; Cuckmere & Pevensey Levels ; Test & Itchen	2012	Natural England; Environment Agency (Riparian owners; Land managers and owners; Forestry Commission; Local Authorities; Environmental NGOs)
Glyphosate	Further monitoring to confirm risk of failure caused by glyphosate. Outcome; Improved knowledge, leading to improvements in groundwater quality through better risk management. (SE0230)	Little Stour	2010	Water companies

Water Industry

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Microbiology; Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant)	Implement surface water management plans, ensuring water quality is considered on a catchment basis. Outcome: Increase resilience to surface water flooding, with fewer homes and critical infrastructures flooded. Works also improve control of diffuse pollution, provide opportunities for better wildlife habitat, and contribute to no deterioration of the water environment. (SE0234)	South East RBD	2012	Environment Agency (Local Authorities; Water companies)
Nutrients	Downs and Harbours Clean Waters Partnership to design and implement a strategy to tackle diffuse pollution in the Solent and groundwater in the South Downs. Outcome: Meet targets for key Sites of Special Scientific Interest, help address wider water quality issues and reverse nitrate trends in potable groundwater sources (SE0209)	East Hampshire Catchment; Arun & Western Streams Catchment	Implemented	Natural England; Environment Agency (Portsmouth Water)
Nutrients; Microbiology; Organic pollutants; Sediments (as a direct pollutant); Priority Hazardous Substances, Priority Substances and Specific Pollutants	Influence Town and Country Planning Act authorisation process to help minimise risk of diffuse pollution from new developments (e.g. implement SUDs and use of Water Resource Act Planning Guidance). Outcome: Improved groundwater and surface water quality. (SE0239)	South East RBD	Implemented	Local Authorities; Environment Agency

Water Industry

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Sediments (as a direct pollutant)	Implementation of the Ashford Water Cycle Strategy (2006 - 2031) to ensure growth in Ashford does not compromise environmental capacity and quality. The first Water Action Plan (2006 - 2011) will focus on sustainable drainage systems, water efficiency, water quality of the River Stour and its tributaries, and water supply and wastewater infrastructure. Outcome: Improvements in water quality and supply as a result of growth in Ashford, contributing to achieving good status. (SE0236)	East Stour	Implemented	Ashford's Future (Environment Agency)
Organic pollutants; Nutrients; Priority Hazardous Substances, Priority Substances and Specific Pollutants; Microbiology	Educate and raise awareness of the impact that small discharges to ground and surface water have on water quality of the receiving waters. Provide advice on maintenance of small treatment plants or advise residents of the need to connect to the mains sewer system. Outcome: All small discharges comply with the Water Framework Directive and other EC Directives. (SE0210)	Arun (Lower); Atherfield Stream; Bow Lake; Eden at Bough Beech; Glottenham Stream upstream of Robertsbridge; Hilden Brook; Langdown Stream; Lesser Teise; Loxwood Stream; Marchwood Park Stream Trb; Marsham and Pannel Sewers; Mid Medway from Eden Confluence to Yalding; Pippingford Brook; R. Adur East; R. Adur West; R. Alre; R. Ems; R. Medina; R. Stor; River Adur East (Goddards Green); River Itchen; River Itchen (Cheriton Stream); Sarre Penn, S. Chislet and Monkton Minster Marshes; Sholing Common Streams; Tributary of Beult at Sutton Valance; Tributary of Eden Brook ; Upper Rother, Coggins Mill to Five Ashes; Westwood Stream	2010	Environment Agency

Water Industry

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification; Abstraction and other artificial flow pressures; Nutrients; Organic pollutants	Promote the use of sustainable drainage systems (SuDS). Include SuDS in new urban and rural developments where appropriate, and retrofit in priority areas where possible including highways. Outcome: Diffuse pollution reduced through the improved design and management of surface water drainage (SE0276)	South East RBD	2012	Environment Agency; Local Authorities (Water companies)
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Hazardous substances and non-hazardous pollutants	Seek agreement with local authorities regarding the use of diuron and persistent pesticides in Source Protection Zones. Surveillance monitoring where required following the withdrawal of diuron from use in the UK. Outcome: Improved water quality resulting from the use of diuron and persistent pesticides in priority groundwater bodies including East Kent Chalk - Stour; Kent Isle Of Thanet Chalk (SE0296)	South East RBD	2012	Environment Agency
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Microbiology; Organic pollutants; Sediments (as a direct pollutant);	Targeted advice and regulation to ensure appropriate management of surface water systems, to reduce contaminants in discharges including consideration of gully cleaning, trapping fats, oils and grease. Outcome: Reduction of chemical and physico chemical pollutants contributing to the failure to achieve good ecological status. (SE0301)	South East RBD	2012	Environment Agency; Local Authorities (Water companies)

Water Industry

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Ammonia; Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances & Specific Pollutants	InterReg 4a collaborative project to investigate the long-term sustainability of discharging treated sewage effluent to ground, subject to satisfactory project scope. Outcome: Better understanding of mechanisms affecting the sustainability of treated effluent discharge to ground, to contribute to water quality improvements and no deterioration (SE0240)	South East RBD	2010	University of Brighton (Environment Agency; Water companies)
Ammonia; Faecal indicator organisms; Hazardous substances and non-hazardous pollutants; Nitrate; Priority Substances & Specific Pollutants	Further investigation - monitoring to assess the natural background quality of the groundwater body to ascertain whether the concentrations of copper are naturally high or elevated due to anthropogenic reasons. Outcome: Understanding of whether there is ongoing input of copper to groundwater and need to take preventative action. (SE0226)	East Kent Chalk - Stour; IOW Central Downs Chalk; IOW Southern Downs Chalk; River Itchen Chalk; River Test Chalk	2012	Environment Agency

Water Industry

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Faecal indicator organisms; Ammonia; Nitrate; Hazardous substances and non-hazardous pollutants; Priority Substances & Specific Pollutants	Further investigation - Clarify the evidence that saline intrusion is not occurring, and obtain available monitoring data for groundwater quality monitoring network. Work with the water company to reduce the 'lack of confidence' attributed to the saline intrusion test due to apparent lack of available monitoring. Outcome: Clear understanding of the status of drinking water aquifers. (SE0225)	East Kent Chalk - Stour	2012	Environment Agency
Nutrients; Organic pollutants; Priority Hazardous Substances, Priority Substances and Specific	Investigate improvements to sewage treatment works, or appropriate catchment controls, that can be included in the periodic review 2014, where a sewage treatment works is identified as causing a failure of status. Outcome: All water company consented discharges comply with Water Framework Directive standards and other EC Directives. (SE0242)	South East RBD	2012	Environment Agency
Priority Hazardous Substances, Priority Substances and Specific Pollutants; Direct biological pressures; Microbiology	Investigation into Endocrine Disruptors. Outcome: To understand their impact and put into place appropriate measures. (SE0244)	South East RBD	Implemented	Environment Agency

Water Industry

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Abstraction and other artificial flow pressures	Appraise new public water supply resource options including investigating role of different generic option types (e.g. desalination, effluent reuse, transfers and reservoirs) in context of likely regional supply-demand need. Outcome: New resource options will not cause a deterioration in status of any impacted Waterbody and where possible will contribute to the achievement of good ecological status or potential. (SE0194)	South East RBD	Implemented	Environment Agency; Water companies

Water Industry

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Physical modification	Investigate the need to screen intakes and discharges to prevent loss or damage to fish populations. Ensure screening on priority sites. Outcome: Screen intakes and discharges so as to contribute to the achievement of good ecological status. (SE0243)	South East RBD	2012	Environment Agency (Fisheries and Angling Interests; Land managers and owners; Water companies)
SSSI / N2k Actions				
Abstraction and other artificial flow pressures	Options appraisal for action at Site of Special Scientific Interest perceived to be adversely affected by abstraction : Poynings (SE0343)	Brighton Chalk Block	2012	South East Water; Environment Agency
Abstraction and other artificial flow pressures	Modify abstraction licences to ensure no adverse effect on integrity of Natura 2000 site: River Itchen SAC (SE0342)	River Itchen; River Itchen Chalk	2015	Environment Agency (Portsmouth Water; Southern Water)
Abstraction and other artificial flow pressures	Modify abstraction licence to ensure no adverse effect on integrity of Natura 2000 site: Dungeness SAC (SE0341)	Kent Romney Marsh	2015	Environment Agency (Veolia Water Southeast)
Abstraction and other artificial flow pressures	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas by revoking or amending abstraction licences (see Annex D) (SE0324)	South East RBD	2012	Environment Agency

Water Industry

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Direct biological pressures; Nutrients; Abstraction and other artificial flow pressures; Physical modification	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through SSSI Management Agreement (see Annex D) (SE0336)	South East RBD	2012	Natural England
Nutrients	Contribute to achievement of favourable condition on Pevensey Levels SSSI, Dungeness, Romney Marsh and Rye Bay SSSI and River Test SSSI by implementing AMP schemes (SE0314)	Rother Catchment; Test & Itchen Catchment ; Cuckmere & Pevensey Levels Catchment	2010	Southern Water
Nutrients; Abstraction and other artificial flow pressures	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through Implementing AMP schemes (see Annex D) (SE0329)	South East RBD	2012	Water companies
Nutrients	Contribute to achievement of favourable condition on Pevensey Levels SSSI, Dungeness, Romney Marsh and Rye Bay SSSI, Alresford Pond SSSI and River Test SSSI by revoking or amending discharge consents (SE0315)	Rother Catchment; Test & Itchen Catchment; Cuckmere & Pevensey Levels Catchment;	2010	Environment Agency
Physical modification; Abstraction and other artificial flow pressures	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through Water Level Management Plans (see Annex D) (SE0338)	South East RBD	2012	Water companies; Environment Agency (Farmers)

Water Industry

Pressures	Description of the action			Lead organisation and partners
	What will happen	Where it will happen	Date	
Sediments (as a direct pollutant); Nutrients	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas by revoking or amending discharge/PPC consents (see Annex D) (SE0325)	South East RBD	2012	Environment Agency
Abstraction and other artificial flow pressures	Investigation at Site of Special Scientific Interest perceived to be adversely affected by abstraction (SE0340)	River Blackwater; Test (Lower)	2012	Southern Water; Environment Agency
Nutrients; Abstraction and other artificial flow pressures	Contribute to maintenance of, or restoration to, favourable conservation status on Natura 2000 protected areas through implementing AMP investigation (see Annex D) (SE0328)	South East RBD	2012	Water companies