

# PEN LLŶN A'R SARNAU candidate SPECIAL AREA OF CONSERVATION

## Action Plan

April 2001

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## INTRODUCTION

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### **What does this document do?**

This Action Plan has been developed by the relevant authorities (see below) for the Pen Llŷn a'r Sarnau candidate Special Area of Conservation (cSAC), following a public consultation on the draft management plan that took place in Autumn 2000. That draft plan was developed through a process of consultation between the relevant authorities and a wide range of users of the site and representatives of interest groups, businesses and local communities, including through a series of meetings of a specially constituted Liaison Group.

This Action Plan sets out the things that the relevant authorities and others will be doing for the purpose of managing the area in accordance with the requirements of the legislation concerning SAC's, namely the EC Habitats and Species Directive of 1992, and the Conservation (Natural Habitats, &c.) Regulations 1994. As a *candidate* SAC, the provisions of this legislation do not apply to Pen Llŷn a'r Sarnau, but it is Government (and relevant authority) policy that it should be treated as if designated. See section 2 for some further background to the cSAC.

The boundary of the site is shown in the Maps at the end of this section. Early in 2001 the boundary of the Pen Llŷn a'r Sarnau cSAC and the list of habitat types and species for which it is selected were revised as part of the "moderation" of the UK SAC series. However, all the preparatory work for the preparation of this Action Plan took place before this review took place, and therefore this Action Plan is based on the earlier boundary and citation. This plan is to be kept under review (see section 7) and this will include taking account of the additional site features and the revised site boundary.

### **Relevant authorities for the Pen Llŷn a'r Sarnau cSAC**

All public or statutory bodies – termed "competent authorities" – have responsibilities towards the management of cSACs. Each competent authority with functions relevant to marine conservation is required to exercise those functions to comply with the requirements of the Habitats Directive. Some of these competent authorities are also "relevant authorities", and have additional powers to establish management schemes for marine sites. The following bodies are the relevant authorities for the Pen Llŷn a'r Sarnau cSAC which have prepared a management scheme for the site, including this action plan:

- Ceredigion County Council
- Countryside Council for Wales
- Dŵr Cymru Welsh Water
- Environment Agency
- Gwynedd Council
- North Western & North Wales Sea Fisheries Committee
- Powys County Council
- Severn Trent Water
- Snowdonia National Park Authority
- Trinity House Lighthouse Authority

## Other useful publications

Fuller accounts of the statutory and policy basis of SAC's, the process through which they are designated, the wildlife interest and current human use of this area, and the development of this Action Plan, are contained in a number of other published documents. Of particular relevance are:

Date	Title	Author	Size/ Appearance
1996	European marine sites: an introduction to management	CCW	βA4, 20pp, colour
June 1998	European marine sites in England and Wales: guide to the 1994 Regulations and to the preparation of management schemes	Department of the Environment and the Welsh Office	A4, 72pp, mono.
Undated	Pen Llŷn a'r Sarnau candidate marine SAC: An outstanding area for marine wildlife	Pen Llŷn a'r Sarnau cSAC relevant authorities	βA4, 6pp colour
Undated	Pen Llŷn a'r Sarnau marine candidate SAC		A4, 8pp, colour
November 1999	Pen Llŷn a'r Sarnau cSAC: Update		A4, 2pp, mono.
August 2000	Draft Management Plan		A4, 208pp+appendices, mono.
undated	Pen Llŷn a'r Sarnau cSAC: Summary of draft management plan		A4, 24pp, colour
March 2001	Action Plan summary (copy enclosed – see section 2)		A4, 8pp, colour

Pen Llŷn a'r Sarnau has been one of 12 pilot marine SACs in the “UK Marine SACs Project”, a 4½ year project financially supported by the European Commission's LIFE-Nature Programme. As well as supporting the development of the management scheme for this cSAC, the project has also produced a number of other publications dealing with a range of subjects of key relevance to the management of marine SACs. Most are or will soon be available on the English Nature website (<http://www.english-nature.org.uk/uk-marine>). Those of particular applicability to the Pen Llŷn a'r Sarnau cSAC include:

- Guidelines for managing water quality impacts within UK European marine sites (441pp)
- Investigating and managing water quality in saline lagoons (134pp)
- Guidelines for managing the collection of bait and other shoreline animals within UK European marine sites (132pp)
- A review of the effects of fishing within UK European marine sites (134pp)
- Good practice guidelines for ports and harbours operating within or near UK European marine sites (120pp, plus appendices)
- A review of the effects of recreational interactions within UK European marine sites (264pp)
- Guidelines for managing and monitoring aggregate extraction within UK European marine sites (in prep)

There is also a series of reports on the dynamics and sensitivities of a range of marine features, some of which occur within this cSAC.

## **How to use this document**

Following the Action plan summary (section 2), sections 3 to 7 list over 100 separate actions, identified in the management plan for the cSAC, to be undertaken by a range of different organisations.

The actions are organised under the following headings:

- Section 3      Actions relating to all relevant human activities affecting the area, organised by type of activity (for example, construction works, fisheries, marine recreation, and so on)
- Section 4      Actions relating to “Plans and projects”: Plans and projects are certain types of operation that, under the legislation, are subject to specific regulatory procedures. Many relate to sectors of activity covered in section 1, and cross-references are made where appropriate.
- Section 5      Actions relating to “natural processes”: These are factors that are not directly associated with any particular human activities
- Section 6      Actions relating to interpretation and education: there are many actions relating to the cSAC generally, or to specific sectors of interest, which are to do with the promotion of the cSAC and raising awareness about the conservation issues. It has been decided to group these together.
- Section 7      Actions relating to the process of developing the plan, maintaining it and keeping it under review.

Finally, in order to make it easier to identify all the actions associated with a particular organisation, Section 8 lists all the action numbers against each organisation.

Each of sections 3 to 7 consists of a table identifying the action, organisation(s) responsible, specific targets associated with each action and, where possible, the timescale within which each target is intended to be met.

Each of the tables in sections 3 to 7 are presented in the following format (hypothetical examples):

#	WHO	ACTION	TARGET	WHEN								
				01	02	03	04	05				
Review of management plan (7.2.1)												
6.27	All RAs	Maintain links with users and local communities	Liaison group meetings	Bi-annual								
7.43	CCW	Prepare and keep under review a programme of monitoring the condition of the reefs and estuaries	Complete a written monitoring plan	{			}					
7.44	<b>CCW, EAW</b>	Monitor condition of reefs and estuaries	Carry out full condition assessment of Sarn Badrig and publish results									

**Action number (in sequence according to order it appears in each section)**

**Subheading (groups of closely associated actions)**

**Action as stated in management plan**

**Indication of when the target should be met (year).**

**Organisation(s) responsible for the action. Where more than one body is involved, a lead body may be identified in bold.**

**Section number in management plan**

**Specific target or targets against which progress in implementing the action can be evaluated.**

**Shading denotes that this is an action identified as required but which cannot yet be undertaken owing to financial or other constraints**

### **Site location, boundary and features for which the site is selected**

The Pen Llŷn a'r Sarnau cSAC is located off northwest and west Gwynedd and north Ceredigion. It extends from Penrhyn Nefyn on the north Llŷn coast to the mouth of the Afon Clarach north of Aberystwyth.

### **Boundary of the cSAC on which this Action Plan is based**

As explained on page 1-i, this Action Plan is based on the boundary and citation for the site prior to revisions made as part of the “moderation” of the UK SAC series. This original boundary is shown on Map 1. The site was originally selected for its **reefs** and **estuaries** and their associated wildlife, and currently the Action Plan relates only to these features.

The original boundary of the cSAC was determined to encompass the reef and estuary features with the seaward boundary drawn to encompass the underwater reefs around Pen Llŷn and the Sarnau in the northeast part of Cardigan Bay. In the Dwyryd, Mawddach and Dyfi estuaries the boundary extended up to the limit of tidal influence as defined on the Ordnance Survey 1:50,000 scale map. In the Dyfi estuary, the boundary followed mean high water mark. In the Mawddach and Dwyryd estuaries only the low water channels of the estuaries were included, even though the site had been selected on the basis of the whole estuaries. This was due to a stipulation by Government that intertidal areas have to be notified as Sites of Special Scientific Interest (SSSI) before they can be included within the boundary of an SAC. The rest of the landward boundary followed mean low water mark ordinary tides for most of the cSAC, except at Porth Dinllaen SSSI where it extended to mean high water mark. This, again, was due to the government requirement with respect to SSSI explained above. The draft management plan (Chapter 2) notes that intertidal areas may be considered for inclusion within the cSAC and that there would be consultation about any such proposals.

### **Revisions to the boundary and addition of new features**

During the preparation of the draft management plan and, subsequently, this Action Plan, there was a review of the UK's SAC series (requested by the European Commission)<sup>1</sup>. As part of this so-called “moderation” exercise it was proposed that the Pen Llŷn a'r Sarnau cSAC should include a further 6 marine habitats and 3 marine/estuarine species and that there should be changes to the boundary of the cSAC both to encompass these features as well as extend the SAC to include parts of the intertidal where new survey information showed that these areas qualified for notification as SSSI.

There was a consultation about these changes during the latter part of 2000 and these revisions have subsequently been submitted to the European Commission and now form part of the Pen Llŷn a'r Sarnau candidate SAC.

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<sup>1</sup> In 1999, the lists of candidate SACs from each EU member state within the Atlantic biogeographical region, including the UK, were reviewed at meetings convened by the EC. Following this review, the UK along with a number of other member states was asked by the European Commission to submit further sites, and to identify additional features of interest on existing sites.

The original boundary and the subsequent revisions following moderation are shown on Maps 2/1 to 2/7.

In addition to the reefs and estuaries, the following habitats and species are also now features of the cSAC:

*Habitats:* Subtidal sandbanks  
Mudflats and sandflats  
Large shallow inlets and bays  
Submerged or partially submerged sea caves  
Coastal lagoons  
Atlantic saltmeadows

*Species:* Bottlenose dolphin  
Grey seal  
Otter

The Action Plan will in due course require revision to accommodate these additional features and the revised site boundary (see section 7).

**ACTIONS RELATING TO EACH TYPE OF ACTIVITY AFFECTING THE AREA**

WHO		ACTION		TARGET		WHEN				
<b>ACTIVITIES RELATED TO THE CONSTRUCTION OF COASTAL AND INSHORE STRUCTURES (5.4.1)</b>										
<b>Construction of ports, harbours, marinas, slipways (and other similar coastal developments) (5.4.1.1)</b>										
						01	02	03	04	05
3.1	CCC; EAW; GC; SNPA	Apply EIA Regulations i.e. undertake an appropriate screening assessment of any port, harbour, marina, slipway developments (or other similar developments) likely to affect the cSAC.	Report to the RA Group on number of such developments dealt with during the year.	4	4	4	4	4	4	4
3.2	CCC; GC; SNPA	Undertake a review of the extent of unauthorized slipway developments, including frequently used sites where craft are launched across the beach.	Prepare a report detailing the occurrences of unauthorized slipways including frequently used beach launch sites around the coast of the cSAC.	4?						
3.3	CCC; GC; SNPA	Seek a legal view on Section 34 of the Road Traffic Act in relation to slipway developments	Report to the RA group	4						
3.4	CCC; CCW; EAW; GC; SNPA	Clarify the legislative procedures for authorising slipway developments (including identifying the competent authorities) and assess the implications of these developments for the cSAC.	Following preparation of report in 3.2 above, meet to discuss the implications for the cSAC features of unauthorized slipways and frequently used beach launch sites, and to clarify the legislative procedures and who the competent authorities are.		4					
3.5	CCC; GC; SNPA	Where necessary / appropriate, take action against unauthorized slipway developments	To be determined depending on outcome of work above. May involve holding a meeting of the appropriate competent authorities and user groups to clarify the legislative procedures for authorising such developments, clarify who the competent authorities are and raise awareness about the problems associated with such developments.	As required						
3.6	CCC; CCW; EAW; GC; SNPA; harbour / marina operators	Consider the preparation of a strategy for Cardigan Bay covering the future requirements for port, harbour, marina and slipway developments to assist with planning future management of the cSAC within the framework of the Unitary Development Plan process.	Organise a meeting to discuss the usefulness of preparing a coastal development strategy for port, harbour and marina and slipway developments within Cardigan Bay.	4						
			Link with actions in the Cardigan Bay cSAC management plan.	4						

WHO		ACTION	TARGET	WHEN				
<b>Shoreline defence structures, including maintenance and improvement of existing defences and construction of new defences (5.4.1.2)</b>								
				01	02	03	04	05
3.7	CCC; GC; SNPA	Undertake a review of the extent of unauthorized shoreline defence structures / works around the coastline of the cSAC (including the estuaries).	As action 3.2 but for shoreline defence structures.	4				
3.8	CCC; CCW; EAW; GC; SNPA	As action 3.4 above but for shoreline defence structures.	As action 3.4 above but for shoreline defence structures.		4			
3.9	CCC; GC; SNPA	As action 3.5 but for shoreline defence structures.	As action 3.5 but for shoreline defence structures.	As required				
3.10	CCC; EAW; GC; SNPA	Encourage the use of more modern, holistic approaches to the future design of coastal defence in the cSAC	Appropriate consultation between planning authorities, CCW and EAW.	As required				
3.11	CCC; EAW; GC; SNPA	Improve understanding and raise awareness of the shoreline management planning process.	Give a talk to the RA group about the shoreline management planning process.	4				
3.12	CCC; CCW; EAW; GC; SNPA; RT; NAW	Ensure that the implications of possible alterations to sea level, wave exposure and other physical processes as a result of climate change are fully considered in the development and maintenance of new and existing coastal defence works.	<b>Address when shorelined defence works being proposed / assessed.</b>	As required				
<b>Land reclamation (including works on flood banks) (5.4.1.3)</b>								
3.13	CCC; GC; SNPA	Apply EIA Regulations, i.e. undertake an appropriate screening assessment for land reclamation proposals likely to affect the cSAC.	Report to the RA Group on number of such developments dealt with during the year.	4	4	4	4	4
3.14	CCC; CCW; EAW; GC; SNPA	Undertake a review of the extent of land reclamation and flood bank works in the estuaries of the cSAC.	As action 3.2 but for land reclamation and flood bank works.					
3.15	CCC; CCW; EAW; GC; SNPA	As action 3.4 but for land reclamation and flood bank works.	As action 3.4 but for land reclamation and flood bank works.					
3.16	<b>CCC; CCW; EAW; GC; PCC; SNPA; FUW; NFU; CLA</b>	Where necessary / appropriate, take action to address any identified issues related to land reclamation and flood defence works.	As action 3.5 but for land reclamation and flood defence works.					

WHO		ACTION		TARGET		WHEN				
<b>DREDGING, DUMPING AND DEPOSITING OF MATERIAL (5.4.2)</b>										
<b>Capital and maintenance dredging and disposal/dumping of sediment and other material (5.4.2.2 &amp; 5.4.2.3)</b>										
						01	02	03	04	05
3.17	CCW; GC; NAW	Establish the relationship between Harbour Revision Orders (HROs), Harbour Empowerment Orders (HEOs) and the Harbour Docks and Piers Clauses Act and the Habitats Regulations.	Write to the NAW asking for clarification.  GC to provide feedback to the RA Group.	4	4					
3.18	CCW: GC	Assess the implications of existing and proposed HROs and HEOs for the cSAC features.	CCW and GC to meet to discuss the existing HROs and HEOs and determine what, if any, aspects of them may have implications for the cSAC features	4						
3.19	GC	Ensure that the cSAC is taken fully into account in the preparation and review of Harbour Revision Orders and Harbour Empowerment Orders.	GC to advise the other RAs of any proposed changes to or new HROs / HEOs.	As required						
3.20	CCC; CCW; EAW; GC; SNPA; harbour / marina operators	As action 3.6 but for future dredging requirements and dredge disposal options.	As action 3.6 but for future dredging requirements and dredge disposal options.							
3.21	CCC; EAW; GC; SNPA; + harbour / marina operators	Ensure that any proposals for sediment disposal / dumping (in particular in coastal / intertidal areas) are assessed in the context of the relevant Shoreline Management Plans		As required						
3.22	CCC; EAW; GC; SNPA; + harbour / marina operators	Ensure that any proposals for sediment disposal / dumping (in particular within and adjacent to the estuaries) are assessed in the context of the relevant Local Environment Agency Plans (LEAPs) and Unitary Development Plans (UDPs).		As required						
<b>Mineral / ore extraction (5.4.2.4)</b>										
3.23	Mineral planning authorities (CCC; EAW; GC; PCC; SNPA)	Ensure that any proposals for mineral extraction are assessed in the context of the relevant Local Environment Agency Plans (LEAPs)		As required						

WHO		ACTION	TARGET	WHEN				
<b>Artificial reefs (excluding offshore coastal defence structures) (5.4.2.5)</b>								
				01	02	03	04	05
3.24	Developers, UK Govt. Depts., NAW (as applicable)	Ensure that any proposals for artificial reef structures (in particular in shallow coastal areas) are considered in the context of the relevant Shoreline Management Plans	Consult Shoreline Management Plan groups	As required				
3.25	Developers, UK Govt. Depts., NAW (as applicable)	If an artificial reef is associated with habitat enhancement for the local fishery, ensure that the need for and suitability of the reef has been assessed in relation to the existing availability of habitat and whether this is a limiting factor for the fishery stock.	Consult NW&NWSFC and CCW	As required				
<b>OFFSHORE ACTIVITIES (5.4.3)</b>								
<b>Oil &amp; gas exploration and development (5.4.3.1)</b>								
3.26	DTI CCC; CCW; EAW; GC; SNPA	Ensure that EIAs and appropriate assessments under the Habitats Regulations, where required, are carried out on all operations associated with offshore oil or gas developments within the UK sector of the southern Irish Sea.	Obtain regular updates from DTI on oil and gas developments in Irish Sea ( <b>CCW</b> )	4	4	4	4	4
3.27	CCC; CCW; EAW; GC; MAFF; PCC; SNPA	Ensure that oil spill and other emergency contingency plans adequately address the requirements of the cSAC features.	Will be addressed by the work of the North Wales Standing Environment Group:  Establish and maintain a Standing Environment Group.  CCW / EAW to provide information to others (other RAs, competent authorities, Liaison Group members etc) about the membership and role of this group.  Review contingency planning needs.  Develop response procedures to be implemented in the event of a pollution incident (e.g. site prioritization, clean-up responses etc).					
				4	4	4	4	4
				4	4	4	4	4
				4				
				4				
<b>Offshore windfarms and other alternative energy structures (5.4.3.2)</b>								
3.28	CCC; CCW; GC; PCC; SNPA	Monitor the development of the UK government policy / strategy with respect to the development of offshore alternative energy generation.	Report to the RA Group on the latest government position.	4	4	4	4	4

WHO		ACTION	TARGET	WHEN				
3.29	All RAs and other competent authorities (e.g. DETR; NAW; MAFF)	Ensure that the SAC is appropriately considered in the development of the UK's policy / strategy for offshore alternative energy generation, e.g. in any consultation exercises	Respond to consultations as required (RAs)	As required				
<b>Cables &amp; pipelines (5.4.3.3)</b>								
3.30	CCW and competent authorities	Ensure Environmental Impact Assessments address SAC issues	Discuss scope of EIAs	As required				
<b>DISCHARGES FROM LAND AND SHIPPING (5.4.4)</b>								
<b>Discharges: sewage, stormwater, industrial etc (5.4.4.1)</b>								
				01	02	03	04	05
3.31	DC; EAW	Continue to influence investment on maintenance and improvement in Dwr Cymru's sewage treatment works and outfalls through the Asset Management Plan (AMP) process (e.g. the recent upgrading of treatment at Porthmadog)	Update the RA Group and Liaison Group on the works undertaken and to be undertaken for the following year.	4	4	4	4	4
3.32	EAW	Continue water quality monitoring and implement appropriate actions from the Eryri /Llyn and Meirionnydd LEAPs.	EAW to inform the RA Group and Liaison Group annually on the compliance with relevant EC Directives and water quality targets.	4	4	4	4	4
3.33	CCW	Work towards defining water quality requirements for the estuarine communities and coastal areas of the cSAC and identification of any additional water quality monitoring requirements.	Targets to be identified.					
<b>Agricultural run-off and other diffuse inputs (5.4.4.2)</b>								
3.34	EAW	Implement the appropriate actions from the Eryri / Llŷn and Meirionnydd LEAPs with regard to sheep dip, acidification and metal levels	See Eryri / Llŷn and Meirionnydd LEAPs	As identified in the Eryri / Llŷn and Meirionnydd LEAPs				
<b>Accidental, unlicensed, unregulated discharge from land or shipping (including oil pollution and use of anti-fouling) (5.4.4.3)</b>								
3.35	CCC; CCW; EAW; GC; SNPA	Clarify existing contingency plans and sensitivity maps and ensure that they are up to date	See action 3.27	4	4			

WHO		ACTION	TARGET	WHEN					
3.36	CCC; CCW; EAW; GC; SNPA	Seek to establish the level of risk and occurrence of spillages associated with re-fuelling of vessels in harbours, marinas and on beaches and identify any actions required.	Authorities identified meet to discuss.		4				
3.37	Everybody	Continue to be vigilant over activities and pollutant sources that might threaten the integrity of the cSAC and take action based on a realistic assessment of risk.	Raise awareness about the importance of reducing pollution.	4	4	4	4	4	
<b>Discharges from mineral, ore extraction and quarrying activities (5.4.4.4)</b>									
				01	02	03	04	05	
3.38	EAW	Continue water quality monitoring and implement appropriate actions from the Eryri / Llŷn and Meirionnydd Local Environment Agency Plans.	EAW to continue monitoring the Afon Mawddach downstream of the former Gwynfynydd gold mine.	4	4	4	4	4	
3.39	Competent authorities (CCC; EAW; GC; PCC; SNPA)	Promote, in partnership with others, the reclamation of disused metal mines where there is significant environmental benefit		As required					
<b>FISHING ACTIVITIES (5.4.5)</b>									
<b>Towed bottom fishing gear : Scallop dredging and trawling (5.4.5.1)</b>									
3.40	NW&NWSFC	North Western & North Wales Sea Fisheries Committee (NW&NWSFC) to maintain restriction area to protect the horse mussel reef	Maintain restriction area to protect the horse mussel reef. NW&NWSFC to provide annual update to RA Group.	4	4	4	4	4	
3.41	NW&NWSFC	Continue collation of information on number of scallop dredging vessels and fishing locations to better understand where scalloping takes place in the cSAC.	NW&NWSFC to provide annual update to RA Group / CCW of this information.						
3.42	NW&NWSFC	Keep a watching brief on the number of vessels using towed bottom gear	NW&NWSFC to provide an annual report to the RA Group on number of vessels using towed bottom gear within the cSAC.  NW&NWSFC to provide a brief report to RA Group on what historical data exists.						
<b>Netting (including tangle nets and other bottom set nets) (5.4.5.3)</b>									

WHO		ACTION	TARGET	WHEN					
3.43	EAW; NW&NWSFC	Keep a watching brief on the extent of netting	NW&NWSFC to prepare an annual report to the RA Group on number of tangle and other bottom set nets used in the cSAC.  EAW to consult regarding checking drift and fixed nets (Byelaws 24 & 25).						
<b>Potting (crustacea and whelks) (5.4.5.4)</b>									
				01	02	03	04	05	
3.44	NW&NWSFC	Keep a watching brief on the extent / intensity of potting	NW&NWSFC to prepare an annual report to the RA Group on number of pots set in the cSAC.						
3.45	NW&NWSFC	Undertake lobster stock assessments.	NW&NWSFC to provide report to the RA group on the lobster stocks.						
<b>Cockling (hand collection) (5.4.5.6)</b>									
3.46	EAW; NW&NWSFC	Continue monitoring of cockle stocks in the estuaries.	NW&NWSFC to provide annual update to the RA group on the cockle stocks.						
<b>Angling (5.4.5.8)</b>									
3.47	RAs; Angling clubs and associations	Promote the adoption of “catch and release” as the basis for sea angling competitions within the cSAC, rather than bag sizes.	Hold a meeting to discuss with the Liaison Group angling representatives and National Angling Associations.		4				
<b>Collection of marine plants (including macro-algae and glasswort) (5.4.5.9)</b>									
3.48	RAs; Liaison Group representatives; members of the public	Collate any available information on nature and scale of marine plant collection within the cSAC	Record any reports or observations of this activity taking place and send to CCW.  Annual report back to RA Group and Liaison Group about any information received. Report annually.	4	4	4	4	4	
				4	4	4	4	4	
<b>RECREATIONAL ACTIVITIES (5.4.6)</b>									
<b>Recreational boat use (5.4.6.1)</b>									
3.49	CCC; CCW; GC; Liaison Group representatives	Encourage those participating in boating activities to submit records of wildlife sightings to the appropriate organisations.	CCW to put together a list of relevant sightings schemes and details of how people can participate (with, where appropriate, copies of the recording forms).  RAs and Liaison Group to discuss how this information could most effectively be distributed. Link to similar actions in Cardigan Bay cSAC management plan	4					
				4					
3.50	RAs	Keep a watching brief on the scale and location of powered craft use within the estuaries.	RAs to discuss how this information can best be collated.	4					

WHO	ACTION	TARGET	WHEN					
<b>Access to the shore including vehicle use on beaches (5.4.6.2)</b>								
			01	02	03	04	05	
3.51	CCC; CCW; GC; SNPA	Assess the implications of vehicle use on beaches.	Assess the implications and identify any additional information requirements based on the report to be produced under action 3.2.			4?		

WHO	ACTION	TARGET	WHEN					
<b>Diving (5.4.6.3)</b>								
			01	02	03	04	05	
3.52	CCW; Liaison Group diving representatives ; diving clubs and governing bodies.	Involve divers in carrying out biological surveys to get them more involved in the management process	CCW to put together a list of relevant sightings schemes and details of how people can participate (with, where appropriate, copies of the recording forms).		4?			
			<i>RAs and Liaison Group to discuss how this information could most effectively be distributed.</i>		4?			
3.53	RAs; Liaison Group representatives	Keep a watching brief on collection of non commercial marine species by divers.	Submit any records of this taking place to CCW.		4	4	4	4
			CCW to report annually to RAs and Liaison Group on any records of this happening.		4	4	4	4

#### **OTHER ACTIVITIES (5.4.7)**

##### **Forestry (5.4.7.1)**

3.54	CCW; EAW; GC; SNPA; Forest Enterprise	Clarify possible impacts of afforestation / deforestation and forest management practices in the catchment areas around the estuaries on the cSAC.	Authorities identified meet to discuss.			4		
3.55	EAW	Maintain surveillance of possible impacts of afforestation on water quality.	EAW to continue statutory water quality monitoring (see action 3.32 above).		4	4	4	4

##### **Grazing (5.4.7.2)**

WHO		ACTION	TARGET	WHEN					
3.56	CCC; CCW; GC; SNPA; FUW; NFU	Assess impact of grazing on the cSAC.	Collate relevant information / data within all grazing unit areas and produce a report on the grazing situation on all estuarine areas within the cSAC.  Assess the possible positive and negative impact of grazing on the site features.  (Further work to be determined depending on the outcome of the assessment. May involve drawing up site-specific management (grazing) requirements and negotiating improvements where appropriate.)						
				01	02	03	04	05	
<b>Maritime / coastal archaeology (5.4.7.3)</b>									
3.57	CCW; CADW; SNPA; archaeological Trusts / organisations	Ensure that the appropriate competent authorities are aware of their responsibilities with respect to the cSAC	Authorities / organizations identified meet to discuss.	4					
3.58	CCW; CADW; SNPA; archaeological Trusts / organisations	Review extant licenses for excavation and designated sites within the cSAC.	To be addressed in meeting referred to in action 3.58.		4				
3.59	CCW; CADW; SNPA; archaeological Trusts / organisations	Clarify the extent and nature of any excavations of coastal archaeology sites and unlicensed excavation / salvage and assess their potential impact on the cSAC features.	As in action 3.58.		4				
<b>Scientific / educational studies (5.4.7.4)</b>									
<b>Challenges of management and monitoring in the marine environment (5.5.5.2)</b>									
<b>Level of current knowledge (5.5.5.3)</b>									
<b>Monitoring the features (4.4)</b>									
				01	02	03	04	05	

WHO		ACTION	TARGET	WHEN				
3.60	CCW and other RAs	Prepare a programme for monitoring of the reef and estuary features.	CCW to establish the parameters that best represent the condition of the reefs and estuaries.	4	4	4		
			Develop a framework to identify survey / surveillance / monitoring and research requirements for the cSAC. Incorporate the feature monitoring requirements into this framework.	4	4	4	4	4
			Publicise the programme of work and results of monitoring, survey, surveillance and research.	4	4	4	4	4
3.61	RAs	Carry out survey, surveillance, research and monitoring relevant to the management of the cSAC	Identify requirements as part of action 3.61 above.	4	4	4	4	4
3.62	RAs	Support research into the development of monitoring techniques.	Identify opportunities as part of action 3.6.	4	4			
3.63	All RAs	Initiate further relevant research and encourage appropriate studies into the reefs and estuaries of the cSAC	Identify as part of action 3.61.	4	4	4	4	4
			Establish and maintain contact with Bangor and Aberystwyth Universities and other educational establishments and organizations to raise awareness about the cSAC and opportunities for study / research.	4	4	4	4	4
3.64	CCW and other RAs	Make effective use of new technology to minimise the amount of work required at sea.	Address as part of action 3.61.	4	4	4	4	4
3.65	RAs	Seek funding to resource further essential research	Identify requirements as part of action 3.61.	4	4	4	4	4
<b>Litter (5.4.7.5)</b>								
3.66	CCC; EAW; GC; PCC; SNPA	Ensure provision of adequate rubbish disposal and recycling facilities for the public, along with publicity on their location.	Authorities to identify problem areas where rubbish collection /recycling facilities need to be improved.					
3.67	CCC; EAW; GC; PCC; SNPA	Stricter enforcement of anti-littering laws to deter fly-tipping and littering by businesses and the public	EAW to continue enforcement of relevant legislation.	4	4	4	4	4

WHO		ACTION	TARGET	WHEN					
3.68	CCC; CCW; EAW; GC; PCC; SNPA: Keep Wales Tidy; Marine Conservation Society	Encourage participation in voluntary local initiatives such as Adopt-a-Beach and river clean-ups	Discuss with Keep Wales Tidy to identify where litter clean-ups take place.	4					
			Identify any areas with particular beach litter problems	4					
			RAs to report annually to Liaison Group on beach clean-up information	4	4	4	4	4	
<b>Introduction / spread of non-native species (5.4.7.7)</b>									
				01	02	03	04	05	
3.69	All competent authorities; CCW	All competent authorities to take due account of relevant national and international legislation on the control and prevention of the introduction / spread of non-native and alien species	CCW to provide an annual update to the RA Group and Liaison Group on records of non-native and alien marine species recorded in Wales.	4	4	4	4	4	4
3.70	CCW; other RAs; Liaison Group representatives; others.	Maintain surveillance of the introduction and spread of non-native species which may adversely affect the condition of the cSAC features, e.g. <i>Sargassum muticum</i> .	CCW to produce an information notice / flyer for Wales asking people to report records of certain non-native species, e.g. <i>Sargassum</i> .  RAs and Liaison Group to discuss how this information could most effectively be distributed for this cSAC.						
<b>Further spread of <i>Spartina</i> (5.4.7.8)</b>									
3.71	CCW; SNPA	Maintain a watching brief on the extent of <i>Spartina</i> colonies through surveillance	Address as part of action 3.61.						
3.72	CCW; SNPA; RSPB + others	Maintain close links with organisations that are monitoring bird numbers in the estuaries.	CCW to clarify who collects what information and where it is held.  Maintain surveillance on bird numbers in the estuaries and attempt to assess any significant changes in bird numbers in relation to changes in habitat / food availability.						
				01	02	03	04	05	
<b>Removal of sand, gravel and rocks from the foreshore (5.4.7.9)</b>									
3.73	RAs; Liaison Group representatives; members of the public	Collate information on instances of unauthorized collection of shingle, sand and rocks from the foreshore of the cSAC.	Record any reports or observations of this activity taking place and send to CCW.	4	4	4	4	4	4
			Annual report back to RA Group and Liaison Group about any information received. Report annually.	4	4	4	4	4	

WHO		ACTION	TARGET	WHEN			
3.74	RAs	Raise awareness about the potential environmental implications of this type of activity with the public and others.	RAs and Liaison Group to discuss how this could be best achieved.		4		



WHO		ACTION	TARGET	WHEN			
	<p>authorities  (see introduction for more information about competent authorities)</p>	<p>Any consent, permission or other authorisation, or activities undertaken by competent authorities, as a plan or project. This includes: Construction of ports, harbours, marinas, slipways and similar coastal developments;</p> <ul style="list-style-type: none"> <li>• Shoreline defence works;</li> <li>• Land reclamation works;</li> <li>• Aggregate dredging;</li> <li>• Capital and maintenance dredging;</li> <li>• Sediment disposal and dumping;</li> <li>• Mineral extraction;</li> <li>• Construction of artificial reefs;</li> <li>• Offshore windfarms and other alternative energy structures;</li> <li>• Installation of submarine pipelines and cables;</li> <li>• Fishing activities;</li> <li>• Fish / shellfish farm developments;</li> <li>• Maritime archaeology works;</li> <li>• Any applications for the translocation or release of any species listed on schedule 9 of the Wildlife &amp; Countryside Act, or any non-native species, to waters or estuarine areas within or adjacent to the cSAC.</li> </ul>	<p>53 of the Habitats Regulations Annual report on major plans and projects within the cSAC - update from RAs at first RA meeting each year.</p>				
WHO		ACTION	TARGET	WHEN			

	WHO	ACTION	TARGET	WHEN				
				01	02	03	04	05
4.2	CCC; EAW; GC; PCC; SNPA	<p>Review extant planning permissions / authorizations / consents / licenses for the following activities within the cSAC: Port, harbour, marina, slipway and other coastal developments;</p> <ul style="list-style-type: none"> <li>• Coastal defence structures;</li> <li>• Land reclamation;</li> <li>• Capital and maintenance dredging works;</li> <li>• Sediment disposal and dumping;</li> <li>• Mineral extraction;</li> <li>• Discharge consents;</li> <li>• Fisheries;</li> <li>• Archaeological excavation works.</li> </ul>	Each competent authority to report on the review annually.	4	4	4	4	4
4.3	CCW; NAW	Seek clarification of the Habitats Regulations (plans and projects) with respect to permitted developments which may affect an SAC	<p>CCW to write to NAW pointing out the potential problems associated with permitted developments and current lack of clear mechanisms to address these with respect to SACs.</p> <p>CCW to report back to RA Group on response from NAW</p>	4				
4.4	CCC; GC; PCC; SNPA	Ensure the requirements of the SAC (both in relation to the requirements of the Habitats Directive and for the following activities) is taken fully into account in the preparation of strategic development plans (e.g. UDPs) and regional development proposals (e.g. in relation to European or other	CCC, GC, PCC and SNPA to report how their authorities strategic development plans (Unitary Development Plans (UDPs)) address the requirements of the cSAC both in terms of the requirements of the Directive and for the activities listed.	4?	4?			

WHO		ACTION	TARGET	WHEN				
		<p>funding):</p> <p>Construction of ports, harbours, marinas, slipways (and other similar coastal developments);</p> <p>Coastal defense structures, including maintenance and improvement of existing defences and construction of new defences; flood bank construction / repair / maintenance;</p> <p>Dredging and dredge disposal requirements for harbours / marinas and other coastal developments in Cardigan Bay;</p> <p>Artificial reefs;</p>	<p>Annual report to RA meeting on regional development projects involving any of the activities listed.</p>	4	4	4	4	4

## ACTIONS RELATING TO “NATURAL PROCESSES” (5.3.1 – 5.3.9)

WHO		ACTION	TARGET	WHEN				
General								
				01	02	03	04	05
5.1	All RAs	Develop and undertake a programme of surveillance for key aspects of the natural processes within the cSAC, making maximum use of existing data gathering projects.	CCW to draft an outline framework for surveillance.  RAs to discuss framework programme of surveillance for natural processes. <i>Further targets will depend on the outcome of this.</i>		4			
5.2	All RAs	RAs to encourage the NAW and the UK Government to maintain their surveillance of climate change and other natural processes affecting coastal areas.  Ensure that work on this and other marine SACs contribute to this surveillance of climate change.						
5.3	CCC; GC; PCC; SNPA	CCW, GC, PCC and SNPA, through their development plans, support policies within and around the site that help minimise adverse impacts of climate change on the reefs and estuaries.	CCC, GC, PCC and SNPA to ensure appropriate policies are included within the UDPs.  Report back to RA Group on what policies have been included.	4	4	4	4	4
					4?	4?		

WHO		ACTION	TARGET	WHEN				
5.4	GC	Continue the programme of monitoring of coastal processes which as been set up as part of the work for Shoreline Management Planning to provide advice on best coastal defence options.	GC to inform the RA and Liaison Groups about the details of the monitoring programme (the work being undertaken and the timescales).	At one of meetings in 2001				
			GC to report to the RA Group about the monitoring undertaken.	4	4	4	4	4
5.5	CCW; EAW; GC	Keep the programme of monitoring of coastal processes that has been set up as part of the work for Shoreline Management Planning under review and identify any new requirements as appropriate.		As required				

## ACTIONS RELATING TO COMMUNICATION, AWARENESS RAISING, EDUCATION AND INTERPRETATION

WHO		ACTION	TARGET	WHEN				
<b>GENERAL ISSUES</b>								
				01	02	03	04	05
6.1	All RAs; Liaison Group representatives; user groups; local communities.	Maintain links and improve communications with interest groups, site users and local communities.	Maintain the Liaison Group. Liaison Group and RAs to meet twice a year.	4	4	4	4	4
			Review membership and frequency of Liaison Group meetings.	4	4	4	4	4
			RAs to organise an annual public meeting about the cSAC.	4	4	4	4	4
			RAs to review mechanisms for communication with, and distribution of information to interest groups and others.	4		4		4
			Establish a web site for the cSAC (either on its own or as part of one of the RAs web sites).					
6.2	RAs	Raise awareness and understanding about the cSAC and its wildlife	RAs to meet to review existing interpretation and education initiatives and develop an appropriate programme of work.  <i>Further targets will depend on the outcome of this.</i>	4	4			
<b>SCHOOLS, COLLEGES &amp; UNIVERSITIES</b>								
6.3	RAs	As part of action 6.2, explore ways to raise awareness and interest among schools and young people	Consider as part of interpretation / education work programme in action 6.2.	4	4			
			CCW to contract a study to look at ways of raising the profile of the marine	4	4			

WHO		ACTION	TARGET	WHEN				
			environment as a teaching resource in local schools.					
6.4	RAs; Liaison Group members; Schools / colleges / universities	Promote appropriate codes of conduct about educational/scientific activities within the cSAC.	CCW to collate existing codes of conduct for education / scientific activities.  Determine if anything needs to be added for the cSAC  RAs to discuss with the Liaison Group members how best this information should be distributed.					
WHO		ACTION	TARGET	WHEN				
<b>SECTOR / ACTIVITY SPECIFIC</b>								
<b>Shoreline defence structures, including maintenance and improvement of existing defences and construction of new defences (including flood bank works) (5.4.1.2)</b>								
				01	02	03	04	05
6.5	CCC; CCW; EAW; GC; SNPA; FUW; NFU.	Raise awareness of the potential implications of land reclamation and flood defence works for the cSAC amongst those responsible for managing and undertaking such work.	Await outcome of the meeting described in action 3.14.					
<b>Agricultural run-off and other diffuse inputs (5.4.4.2)</b>								
6.6	CCC; CCW; EAW; GC; SNPA	Raise awareness about water quality issues in the catchment areas around the estuaries and other parts of the cSAC	Address as part of action 6.2.	4	4			
<b>Accidental, unlicensed, unregulated discharge from land or shipping (including oil pollution and use of anti-fouling) (5.4.4.3)</b>								
6.7	CCC; GC; WYA; port/marina operators; recreational boating clubs; other boat users	Promote good practice with respect to re-fuelling operations at all locations around et cSAC.	Identify and collate existing public information (local and national) about refueling (e.g. Navigate with Nature; RYA / WYA codes of conduct).  RAs to discuss with Liaison Group members best way to use this information to raise awareness about re-fuelling good practice.					
6.8	CCC; CCW; EAW; GC;	Promote codes of conduct and good practice	CCW to collate existing codes of conduct (e.g. Navigate with					

WHO		ACTION	TARGET	WHEN				
	Liaison Group; WYA; recreational boat users; commercial boat users and boat businesses	guidelines for use and disposal of antifoulants and disposal of sewage and general waste from small vessels.	Nature).  Determine if anything needs to be added for the cSAC  RAs to discuss with the Liaison Group members how best this information should be distributed  Develop and maintain adequate Port Waste Management plans.					
<b>Cockling (hand collection) (5.4.5.6)</b>								
6.9	NW&NWSFC and other RAs	Promote the intertidal shellfisheries voluntary code of conduct to people undertaking shellfish collection	NW&NWFC to provide copies of code to other RAs.  Distribute copies of the code as appropriate.	As appropriate  As appropriate				
<b>Bait collection (5.4.5.7) &amp; Angling (5.4.5.8)</b>								
				01	02	03	04	05
6.10	All RAs and the angling associations	Promote national code of conduct for anglers within the cSAC	RAs and Liaison Group to discuss how the code could be most effectively distributed to individual anglers and shops and other information centres. Distribute the code as agreed.  Publicise the code in angling press.					
6.11	EAW; NW&NWSFC	Improve publicity to anglers about the cSAC and bass nursery areas.	Discuss with angling representatives on the Liaison Group.					
<b>Recreational boat use (5.4.6.1)</b>								
6.12	All RAs; Liaison Group members; WYA; other user groups	As part of the interpretation of the cSAC, provide information specifically for boat owners and operators, outdoor activity centres and people participating in all forms of recreational boat / craft use and water sports about the cSAC and its wildlife.	Address as part of action 6.2.					
6.1	CCC; CCW;	Promote relevant codes of	CCW to collate existing codes					

WHO		ACTION	TARGET	WHEN				
3								
<b>Diving (5.4.6.3)</b>								
6.1 4	CCC; CCW; GC; NW&NWSF C; Liaison Group; diving clubs / schools and governing bodies.	Promote existing codes of conduct for divers	CCW to collate existing codes of conduct (e.g. Sub Aqua Association, British Sub Aqua Club).  Determine if anything needs to be added for the cSAC  RAs to discuss with the Liaison Group members how best this information should be distributed.					
				01	02	03	04	05
6.1 5	CCW; Liaison Group members; diving clubs / schools and governing bodies.	Encourage the national governing bodies to promote awareness of the cSAC (and other SACs in Wales) and their management.	Direct liaison with governing bodies?  Articles / press items for the diving press?					
6.1 6	RAs; Liaison Group and diving clubs.	Raise awareness with divers and others about the cSAC.	Address as part of action 6.2.					
<b>Litter (5.4.7.5)</b>								
6.1 7	CCC; EAW; GC; PCC; SNPA	Provision of information and education to encourage everyone to properly dispose of litter	<b>To be determined</b>					
<b>Introduction / spread of non-native species (5.4.7.7)</b>								
6.1 8	CCC; CCW; GC; NW&NWSF C; SNPA; Liaison Group members; user groups and individuals	Through a programme of awareness and interpretation, seek the involvement of people using the cSAC to report sightings of particular non-native species	To be addressed as part of action 6.2.					

**ACTIONS RELATING TO REVIEW OF THE MANAGEMENT PLAN  
AND OTHER CONSIDERATIONS**

WHO		ACTION	TARGET	WHEN				
<b>Legislation for marine SACs (5.5.1)</b>								
				01	02	03	04	05
7.1	All RAs	Raise awareness in Government and elsewhere about the problems likely to be encountered with the implementation of marine SAC legislation.	All RAs to write to NAW with queries / issues to do with the legislation.	As queries arise				

WHO		ACTION	TARGET	WHEN				
			Provide an annual collation of all queries and any responses	4	4	4	4	4
7.2	All RAs	Maintain the Relevant Authorities Group	RA Group to meet a minimum of two / three times a year.	4	4	4	4	4
<b>Review and reporting (7.2.1 – 7.2.5 &amp; 7.3)</b>								
7.3	CCW	Review the condition of the features against the conservation objectives	CCW to report annually the results of monitoring and surveillance work to the RAs and Liaison Group.	4	4	4	4	4
			Review programme of survey, surveillance, monitoring and research.	4	4	4	4	4
			Report (via JNCC) to the EC on the condition of the cSAC features once every 6 years (due 2006).					
7.4	CCW	Review the conservation objectives for the cSAC	CCW to review conservation objectives and produce updated Regulation 33 information.	4		4		4
			CCW to prepare conservation objectives for the additional features added to the cSAC under moderation and incorporate this into the Regulation 33 information	4				
7.5	All RAs; competent authorities; Liaison Group representatives	Keep the Pen Llŷn a'r Sarnau cSAC management plan under review.	RAs to review the plan in early 2002 and every three years thereafter		4			4
			Publicise the results of the review to the Liaison Group and general public.		4			4
			Incorporate additional features of the SAC (as a result of the SAC moderation process) into the management plan.		4	4		

WHO		ACTION	TARGET	WHEN					
			Consult the Liaison Group members and public about any new management proposals as a result of the new features.		4	4			
				01	02	03	04	05	
			Review annually the implementation of management actions and identify new actions as required. Report results to the Liaison Group and general public.		4	4	4	4	
7.6	All RAs		RAs to review the effectiveness of management actions on factors every three years		4				4
<b>Resources (5.5.6)</b>									
7.7	All RAs	Identify and seek funding for initiatives arising from the management plan from internal and external sources, including Objective 1.	RAs to prepare costings for ongoing actions (meetings, preparation and mailing of information).  RAs to seek funding from within their respective organisations to fund actions identified in the plan. RAs to report back to the RA Group on this.  RAs to discuss options for securing additional funding e.g. for a specific project to implement certain actions identified in the Action Plan	4					
				4	4	4	4	4	
				As required					
<b>Aspirations of local communities (5.5.4)</b>									
7.8	All RAs; Liaison Group representatives; user groups; local communities	Maintain links between interest groups, site users, local communities and relevant authorities to ensure timely and effective communication about conservation issues and people's aspirations.	To be addressed as part of targets under action 6.1	4	4	4	4	4	

WHO		ACTION	TARGET	WHEN					
7.9	All RAs; Liaison Group representatives; user groups; local communities	Keep the liaison process under review to ensure that it is meeting the needs of both relevant authorities and other stakeholders	Carry out a survey to assess people's views of the public meetings, the liaison group and their involvement in developing the management plan  To be addressed as part of targets under action 6.1	4					
7.10	All RAs	Continue to operate a bilingual policy with respect to meetings and publications	Provide translation facilities and translated copies of minutes / agendas for meetings.  All publicity leaflets / interpretation information about the SAC to be produced bilingually.  All RAs to comply with their respective language policies with regard to production of scientific / technical publications.	For all Liaison Group meetings and public meetings / events  Always  Always					

WHO		ACTION	TARGET	WHEN				
<b>Environmental considerations (5.5.5):</b>								
<b>Geographic scale of processes affecting features (5.5.5.1) &amp; Lack of awareness and understanding (5.5.5.4)</b>								
				01	02	03	04	05
7.1 1	All RAs And competent authorities	Distribute the action plan widely, in particular to competent authorities	Prepare a list of the main competent authorities and key individuals within those organisations and ensure that the Action Plan is distributed to them and any particular issues highlighted as required.	4				
7.1 2	All RAs	Ensure all relevant departments within relevant authorities and local competent authorities are aware of responsibilities and best means of securing compliance	Each RA to prepare a list of the main departments within their organisation and key individuals and make them aware of actions and responsibilities as appropriate.  Each RA to report back to the RA Group.	4  4				

## CHECKLIST OF ORGANISATIONS AND ACTIONS

Acronym	Name	Relevant actions (in bold where organisation is the lead agency)
CAs	Competent Authorities	3.29; 3.30; 3.69; 4.1; 7.5; 7.11;
CADW	Cadw	3.57; <b>3.58</b> ; <b>3.59</b> ; 4.1;
CCC	Ceredigion County Council	3.1; 3.2; 3.3; 3.4; 3.5; 3.6; 3.7; 3.8; 3.9; 3.10; 3.11; 3.12; 3.13; 3.14; 3.15; 3.16; 3.20; 3.21; 3.22; 3.23; 3.26; 3.27; 3.28; 3.29; 3.35; 3.36; 3.37; 3.39; 3.47; 3.48; 3.49; 3.50; 3.51; 3.53; 3.56; 3.60; 3.61; 3.62; 3.63; 3.64; 3.65; 3.66; 3.67; 3.68; 3.70; 3.73; 3.74; 4.1; 4.2; 4.4; 5.1; 5.2; 5.3; 6.1; 6.2; 6.3; 6.4; 6.5; 6.6; 6.7; 6.8; 6.9; 6.10; 6.12; 6.13; 6.14; 6.15; 6.17; 6.18; 7.1; 7.2; 7.5; 7.6; 7.7; 7.8; 7.9; 7.10; 7.11; 7.12;
CCW	Countryside Council for Wales	<b>3.4</b> ; 3.6; <b>3.8</b> ; 3.14; <b>3.15</b> ; 3.16; 3.17; 3.18; 3.20; 3.26; 3.27; <b>3.28</b> ; 3.29; 3.30; <b>3.33</b> ; 3.35; 3.36; 3.37; 3.47; 3.48; 3.49; 3.50; 3.51; 3.52; <b>3.53</b> ; 3.54; <b>3.56</b> ; <b>3.57</b> ; 3.58; 3.59; 3.60; 3.61; 3.62; 3.63; 3.64; 3.65; 3.69; 3.70; 3.71; 3.72; 3.73; 3.74; 4.1; 4.3; 5.1; 5.2; 5.5; 6.1; 6.2; 6.3; 6.4; 6.5; 6.6; 6.8; 6.9; 6.10; 6.12; 6.13; 6.14; 6.15; 6.16; 6.18;

		7.1; 7.2; <b>7.3</b> ; <b>7.4</b> ; 7.5; 7.6; 7.7; 7.8; 7.9; 7.10; 7.11; 7.12;
CLA	Country Landowners Association	3.16;
CE	Crown Estate	4.1;
DCWW	Dŵr Cymru / Welsh Water	3.29; 3.31; 3.37; 3.47; 3.48; 3.50; 3.53; 3.60; 3.61; 3.62; 3.63; 3.64; 3.65; 3.73; 3.74; 4.1; 5.1; 5.2; 6.1; 6.2; 6.3; 6.4; 6.9; 6.10; 6.12; 6.16; 7.1; 7.2; 7.5; 7.6; 7.7; 7.8; 7.9; 7.10; 7.11; 7.12;
DETR	Dept. Environment, Transport & the Regions	3.24; 3.25; 3.29; 4.1;
DTI	Dept. Trade and Industry	3.26; 4.1;
EAW	Environment Agency Wales	3.1; 3.4; 3.6; 3.8; 3.10; 3.11; 3.12; 3.14; 3.15; 3.16; 3.20; 3.21; 3.22; 3.23; 3.27; 3.29; <b>3.31</b> ; <b>3.32</b> ; <b>3.34</b> ; 3.35; 3.36; 3.37; <b>3.38</b> ; 3.39; 3.43; 3.47; 3.48; 3.50; 3.53; 3.54; <b>3.55</b> ; 3.60; 3.61; 3.62; 3.63; 3.64; 3.65; 3.66; <b>3.67</b> ; 3.68; 3.73; 3.74; 4.1; 4.2; 5.1; 5.2; 5.5; 6.1; 6.2; 6.3; 6.4; 6.5; 6.6; 6.8; 6.9; 6.10; 6.11; 6.12; 6.13; 6.16; 6.17; 6.18; 7.1; 7.2; 7.5; 7.6; 7.7; 7.8; 7.9; 7.10; 7.11; 7.12;
FC	Forestry Commission	3.37;
FE	Forest Enterprise	3.37; 3.54; 4.1;
FUW	Farmers Union of Wales	3.16; 3.37; 3.56;

GC	Gwynedd Council	3.1; <b>3.2</b> ; <b>3.3</b> ; 3.4; 3.5; <b>3.6</b> ; <b>3.7</b> ; 3.8; 3.9; <b>3.10</b> ; <b>3.11</b> ; 3.12; 3.13; 3.14; 3.15; 3.16; <b>3.17</b> ; <b>3.18</b> ; <b>3.19</b> ; <b>3.20</b> ; 3.21; 3.22; 3.23; 3.26; 3.27; 3.28; 3.29; 3.35; 3.36; 3.37; 3.39; 3.47; 3.48; 3.50; 3.51; 3.53; 3.54; 3.56; 3.60; 3.61; 3.62; 3.63; 3.64; 3.65; <b>3.66</b> ; 3.67; 3.68; 3.70; 3.73; 3.74; 4.1; 4.2; 4.4; 5.1; 5.2; 5.3; 5.4; 5.5; 6.1; 6.2; 6.3; 6.4; 6.5; 6.6; <b>6.7</b> ; 6.8; 6.9; 6.10; 6.12; 6.13; 6.14; 6.16; 6.17; 6.18; 7.1; 7.2; 7.5; 7.6; 7.7; 7.8; 7.9; 7.10; 7.11; 7.12;
MAFF	Ministry of Agriculture, Fisheries & Food	3.24; 3.25; 3.27; 3.29; 4.1;
MOD	Ministry of Defence	3.37; 4.1;
NAW	National Assembly for Wales	3.12; 3.17; 3.24; 3.25; 3.29; 4.1; 4.3;
NFU	National Farmers Union	3.16; 3.37; 3.56;
NW&NWSFC	North Western & North Wales Sea Fisheries Committee	3.29 3.37; <b>3.40</b> ; <b>3.41</b> ; <b>3.42</b> ; <b>3.43</b> ; <b>3.44</b> ; <b>3.45</b> ; <b>3.46</b> ; 3.47; 3.48; 3.50; 3.53; 3.60; 3.61; 3.62; 3.63; 3.64; 3.65; 3.73; 3.74; 4.1; 5.1; 5.2; 6.1; 6.2; 6.3; 6.4; 6.7; 6.8; <b>6.9</b> ; 6.10; 6.11; 6.12; 6.13; 6.14; 6.16; 6.18; 7.1; 7.2; 7.5; 7.6; 7.7; 7.8; 7.9; 7.10;

		7.11; 7.12;
PCC	Powys County Council	3.16; 3.23; 3.27; 3.28; 3.29; 3.37; 3.39; 3.47; 3.48; 3.50; 3.60; 3.61; 3.62; 3.63; 3.64; 3.65; 3.66; 3.67; 3.68; 4.1; 4.2; 4.4; 5.1; 5.2; 5.3; 6.1; 6.2; 6.3; 6.4; 6.10; 6.12; 6.13; 6.17; 7.1; 7.2; 7.5; 7.6; 7.7; 7.8; 7.9; 7.10; 7.11; 7.12;
RAs	Relevant Authorities: (actions for the RAs collectively also recorded as an action for each individual authority)  Ceredigion County Council Countryside Council for Wales Dŵr Cymru / Welsh Water Environment Agency Wales Gwynedd Council North Western and North Wales Sea Fisheries Committee Powys County Council Severn Trent Water Snowdonia National Park Authority Trinity House	3.29; 3.37; 3.47; 3.48; <b>3.50</b> ; 3.53; 3.60; 3.61; 3.62; 3.63; 3.64; 3.65; 3.70; 3.73; 3.74; 5.1; 5.2; 6.1; 6.2; 6.3; 6.4; 6.9; 6.10; 6.12; 6.16; 7.1; 7.2; 7.5; 7.6; 7.7; 7.8; 7.9; 7.10; 7.11; 7.12;
RT	Railtrack	3.12; 4.1;
SNPA	Snowdonia National Park Authority	<b>3.1</b> ; 3.2; 3.3; 3.4; 3.5; 3.6; 3.7; 3.8; 3.9; 3.10; 3.11; 3.12; 3.13; <b>3.14</b> ; 3.15; 3.16; 3.20; 3.21; 3.22; 3.23; 3.26; 3.27; 3.28; 3.29 3.35; 3.36; 3.37; 3.39; 3.47; 3.48; 3.50; 3.51; 3.53; <b>3.54</b> ; 3.56; 3.57; 3.58; 3.59; 3.60; 3.61; 3.62; 3.63; 3.64; 3.65; 3.66; 3.67; 3.68; 3.70; 3.71; 3.72; 3.73; 3.74; 4.1; 4.2; 4.4;

		5.1; 5.2; 5.3; 6.1; 6.2; 6.3; 6.4; 6.5; 6.6; 6.9; 6.10; 6.12; 6.13; 6.16; 6.17; 6.18; 7.1; 7.2; 7.5; 7.6; 7.7; 7.8; 7.9; 7.10; 7.11; 7.12;
STW	Severn Trent Water	3.29 3.37; 3.47; 3.48; 3.50; 3.53; 3.60; 3.61; 3.62; 3.63; 3.64; 3.65; 3.73; 3.74; 4.1; 5.1; 5.2; 6.1; 6.2; 6.3; 6.4; 6.9; 6.10; 6.12; 7.1; 7.2; 7.5; 7.6; 7.7; 7.8; 7.9; 7.10; 7.11; 7.12;
TH	Trinity House	3.29; 3.47; 3.48; 3.50; 3.53; 3.60; 3.61; 3.62; 3.63; 3.64; 3.65; 3.73; 3.74; 4.1; 5.1; 5.2; 6.1; 6.2; 6.3; 6.4; 6.8; 6.9; 6.10; 6.12; 6.16; 7.1; 7.2; 7.5; 7.6; 7.7; 7.8; 7.9; 7.10; 7.11; 7.12;
WYA	Welsh Yachting Association	6.7; 6.8; 6.12; 6.13;
Others:		
	Angling associations / clubs	3.47; 6.10;
	Archaeological trusts / associations	3.57; 3.58; 3.59;
	Boat users (recreational & commercial)	6.7; 6.8; 6.12;
	Diving associations / clubs	3.52; 6.7; 6.8; 6.14; 6.15; 6.16;
	Local communities / general public	3.37; 3.48; 3.73; 6.1; 6.18; 7.8; 7.9;
	Keep Wales Tidy	3.68;
	Liaison Group representatives	3.48 3.49; 3.52; 3.53; 3.70; 3.73; 3.74; 6.1; 6.4; 6.7; 6.8; 6.12; 6.13; 6.14; 6.15; 6.16; 6.18; 7.5; 7.8; 7.9;
	Marine Conservation Society	3.68;
	Port / harbour / marina operators	3.6;

		3.20; 3.21; 3.22; 3.37; 6.7; 6.8;
	Schools / colleges / universities	6.4;