

Species and Habitat Action Plan Assessment Form

Please refer to the accompanying guidance for information about how to complete this form and an explanation of terms used

Field 1: Action Plan details

Species/Habitat Action Plan	<i>Myxas glutinosa</i>
Lead Partner/Agency	Environment Agency (EA)
Steering Group/Other organisations	Steering group is incorporated into the Freshwater Mollusc Steering Group For Myxas it comprises English Nature (EN) Countryside Council for Wales (CCW); Snowdonia National Park Authority (SNPA), Vale of White Horse District Council (VWH)
Work programme in existence?	Yes

Field 2: Objectives and targets overview

Please list the targets for the action plan, indicating in which country/region the target is applicable, and additional comments including the rationale for new targets. For each new target please add new sequential paragraph numbers and target text. Please provide information about progress and country disaggregation in Table A for all targets.

Number and text	UK	E	NI	S	W	Comments
4.1 Ensure the known remaining population is maintained and protected		x				In 1998, no population found at Kennington Pit (England site). Hydrometric survey ongoing at that site.
4.2 Locate any other populations by 2000 and seek to maintain them					x	In 1998, population found in Llyn Tegid (Wales site). No population found in three other England sites that have historic records
4.3 Secure improvement in water quality and habitat suitability at the remaining sites		x			x	
4.4 Gain detailed knowledge of the ecology of the species	x					The currently broad objectives can be narrowed only when we have more information about the ecology of the species

Field 3: Proposed actions overview

Please list the proposed actions for the action plan, indicating in which country/region the action is applicable. For each new action please add new sequential paragraph numbers and action text. If the action is regarded as significant (please see guidance) indicate this in the box and provide further details in Table B. For actions not regarded as significant simply state if the action is ongoing or complete. Remember any action which is being dropped from the workplan will be regarded as significant for the first round of reporting.

Number and text	UK	E	NI	S	W	Action significant?	Action complete or ongoing? (Please state yes, not started, or ongoing.)
5.2.1: Encourage good water quality in the catchment area of the Kennington Pit site		✓				Yes	Ongoing
5.2.2: Implement the management plan for Llyn Tegid (SNPA)					✓	Yes	Ongoing
5.2.3: Consider the need to notify the Wales site as an SSSI					✓	No	Complete
5.4.1: Following suitable research on the ecology of the species, ensure the provision of advice on population and habitat management	✓					No	Not started
5.5.1: Undertake ecological studies to provide a description of current and desired water quality and flow and the physical habitat	✓					Yes	Ongoing
5.5.2: Survey all sites where the species has been recorded in the previous 50 years, by 2000		✓			✓	Yes	Complete
5.5.3: Encourage research on the ecology and distribution of this species with European partners and use the information and experience gained towards its conservation	✓					No	Ongoing
5.5.4: Continue monitoring existing populations					✓	Yes	Ongoing
5.5.5: Pass information gathered during survey and monitoring of this species to JNCC or BRC so that it can be incorporated in national databases	✓					No	Ongoing
5.5.6: Provide information annually to the World Conservation Monitoring Centre on the UK status of the species to contribute to maintenance of an up-to-date Red List	✓					No	Not Started
5.5.7 (NEW ACTION) Survey of lakes in the vicinity of Llyn Tegid (Wales site) to see if other populations exist locally					✓	Yes	Ongoing
5.5.8 (NEW ACTION) Assess risks to the population in Llyn Tegid (Wales site)					✓	Yes	Ongoing
5.5.9 (NEW ACTION) Undertake ecological studies to provide a description of the current and desired water quality and flow regime and the physical habitat required by the species in the Llyn Tegid site.					✓	Yes	Not Started

Field 4: Assessment of status

Please tick the appropriate category to indicate the assessment of status of the species or habitat, for each country/region where appropriate, and provide a statement supporting the category selected.

	Not appropriate	Recovered	Signs of recovery	No change	Declining	Lost	Insufficient information
UK					(✓)		✓
England						(✓)	✓
Northern Ireland						(✓)	✓
Scotland						(✓)	✓
Wales				✓			
Brief text description justifying assessment of status: (~ no more than 100 words for each country/region)							
<p>The only currently known UK population is in Llyn Tegid in Snowdonia National Park, North Wales. The species has not been reported from England since 1993 despite specific surveys to find it. It has not been found in Northern Ireland in recent times. There are no records from Scotland.</p>							

Field 5: Summary statement

Please provide an overview of plan implementation, including new factors affecting the species or habitat which will accelerate or constrain progress towards meeting of the targets. Where a factor results in new action(s) please cross-reference back to the relevant numbers under Field 3 and Table B.

In 1998, this species was recorded during a survey of Llyn Tegid in North Wales after an absence of 45 years. It was still present in August 1999. A survey to locate this species in it's last known site in the UK (Kennington Pit in Oxfordshire) was unsuccessful. The other three sites where the species had been found in the previous 50 years have been resampled without success. We do not have enough information on the chemical and physical conditions =required by this species to make any definite statements about its preferred habitat or water conditions, although there is some sketchy information on these attributes.

New factors that will drive the actions for protecting and developing this species will come out of the results of the surveys proposed. Those in and around Llyn Tegid may be more relevant.

Field 6: Signing off

Please 'sign off' the form below to confirm that steering group members or key contacts have been consulted and agreed the information provided.

Contact details	Lead Partner	Contact Point
Name	John Steel	John Steel
Organisation	Environment Agency	Environment Agency
Assessment date (dd/mm/yy)	14 th September 1999	

Completed forms should be submitted to JNCC
Biodiversity Information Service
Joint Nature Conservation Committee
Monkstone House

City Road
Peterborough PE1 1JY
Tel: 01733 562626
Fax: 01733 555948
E-mail: lpr99@jncc.gov.uk

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Action Plan objectives and targets: Tables A1 to A4

For each target, please state how, if applicable, it has been disaggregated to the country level. Please insert the paragraph number, UK target and country-specific disaggregated target(s) into the table. Please tick the appropriate category to indicate progress against published and disaggregated targets. For each target please copy the table and detail the (existing or new [new paragraph numbers should run sequentially, under relevant headings in the published volumes]) paragraph number, target text and an assessment of progress.

Table A1

Objective/target (For new or revised targets please provide the new paragraph number and target text.)	4.1: Ensure the population in Kennington Pit, Oxfordshire is maintained and protected.				
Country	Not appropriate	Target achieved	Some progress	No progress	Insufficient information
UK	✓ <input type="checkbox"/>				
England				✓	
Northern Ireland	✓				
Scotland	✓				
Wales	✓				
Text description of target progress (separate for each country/region):					
England: Repeated searches have failed to find the species in Kennington Pit.					

Table A2

Objective/target (For new or revised targets please provide the new paragraph number and target text.)	4.2: Locate any other populations by 2000 and seek to maintain them.				
Country	Not appropriate	Target achieved	Some progress	No progress	Insufficient information
UK	✓				
England				✓	
Northern Ireland	✓				
Scotland	✓				
Wales			✓		
Text description of target progress (separate for each country/region):					
England: 3 additional sites assessed (Windermere, Esthwaite, Basingstoke Canal): the species was not found.					
Wales: Llyn Tegid has been sampled and the species found in 1998. It was still present in August 1999. Several other lakes, local to Llyn Tegid, were surveyed but the species was not found. A panel of organisations in North Wales is setting up an action plan for Llyn Tegid.					

Table A3

Objective/target (For new or revised targets please provide the new paragraph number and target text.)	4.3: Secure improvement in water quality and habitat suitability at the remaining site. (Llyn Tegid)				
Country	Not appropriate	Target achieved	Some progress	No progress	Insufficient information
<i>UK</i>	✓				
<i>England</i>	✓				
<i>Northern Ireland</i>	✓				
<i>Scotland</i>	✓				
<i>Wales</i>			✓		
<i>Text description of target progress (separate for each country/region):</i>					
<p>Wales: Snowdonia National Park Authority is setting up an action plan for Llyn Tegid. Initiatives are already in place under the auspices of the Llyn Tegid Environmental Panel (EA, CCW, SNPA, Farmers, etc). This panel has instigated several initiatives to improve water quality, including phosphate stripping of sewage effluents, the promotion of best practice to reduce farm and forestry run-off and the regular inspection of septic tanks and the monitoring of algal blooms..</p>					

Table A4

Objective/target (For new or revised targets please provide the new paragraph number and target text.)	4.4: Gain detailed knowledge of the ecology of the species.				
Country	Not appropriate	Target achieved	Some progress	No progress	Insufficient information
<i>UK</i>	✓				
<i>England</i>			✓		
<i>Northern Ireland</i>	✓				
<i>Scotland</i>	✓				
<i>Wales</i>			✓		
<i>Text description of target progress (separate for each country/region):</i>					
<p>England: Hydrological survey of Kennington Pit is ongoing. Results are awaited. Wales: Ecological survey of Llyn Tegid is ongoing.</p>					

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Table B 5.2.1

Published action/organisation(s) responsible	5.2.1: Encourage good water quality in the catchment area of the Kennington Pit site	
Work plan/organisation(s) responsible	Create/operate a management plan for water quality in Kennington Pit (Environment Agency/OCC)	
Action/workplan undertaken? (Yes/No)	No. The species has not been found at this site since 1993 despite regular surveys. Resources are being targeted at the site where this species is known in Llyn Tegid (See 5.2.2)	
Description of work taken and organisation responsible	Implement management plan (EA/OCC)	
Output and timescale	End 2001	EA/OCC
Constraints to action	Resource availability (especially financial) Adequacy of liaison between organisations.	
Action complete or ongoing? (Yes/Not started/Ongoing)	Not Started	
Next steps	None proposed	
Output and timescale	N/A	Action by

Table B 5.2.2

Published action/organisation(s) responsible	5.2.2: Implement the management plan for Llyn Tegid. (SNPA)	
Work plan/organisation(s) responsible	Create/operate a management plan for Llyn Tegid. (SNPA/CCW/EA)	
Action/workplan undertaken? (Yes/No)	No	
Description of work taken and organisation responsible	SSSI management plan drafted (CCW) Industry (farm/forestry) liaison. Discharge monitoring (EA)	
Output and timescale	End 2000	SNPA/CCW/EA
Constraints to action	Limited resource availability. Liaison between organisations.	
Action complete or ongoing? (Yes/Not started/Ongoing)	Not Started	
Next steps	None proposed	
Output and timescale	N/A	Action by

Table B 5.5.1

Published action/organisation(s) responsible	5.5.1 Undertake ecological studies to provide a description of current and desired water quality and flow and the physical habitat (Kennington Pit Site) (EA)	
Work plan/organisation(s) responsible	Study flow regime of Kennington Pit (EA)	
Action/workplan undertaken? (Yes/No)	Yes	
Description of work taken and organisation responsible	Hydrometric survey of levels in Kennington Pit. (EA)	
Output and timescale	Completed by 2000	EA
Constraints to action	Funding availability	
Action complete or ongoing? (Yes/Not started/Ongoing)	Ongoing	
Next steps	None proposed	
Output and timescale	N/A	Action by

Table B 5.5.2

Published action/organisation(s) responsible	5.5.2: Survey all sites where the snail has been recorded in the last 50 years (EA).	
Work plan/organisation(s) responsible	Survey additional sites in 1999 (EA)	
Action/workplan undertaken? (Yes/No)	Yes	
Description of work taken and organisation responsible	Survey of all sites completed (EA)	
Output and timescale	End 1998	EA
Constraints to action	None	
Action complete or ongoing? (Yes/Not started/Ongoing)	Complete	
Next steps	None planned	
Output and timescale	Report on additional sites by end 1998	EA

Table B 5.5.4

Published action/organisation(s) responsible	5.5.4: Monitoring existing population in Llyn Tegid (CCW)	
Work plan/organisation(s) responsible	Further time-based surveys of Llyn Tegid in 1999-2000 (CCW, SNPA, EA)	
Action/workplan undertaken? (Yes/No)	No	
Description of work taken and organisation responsible	Survey by contractor over the summer of 1999	
Output and timescale	By end 2000	SNPA
Constraints to action	Contractor availability. Adequate funding.	
Action complete or ongoing? (Yes/Not started/Ongoing)	Ongoing	
Next steps	None proposed	
Output and timescale	N/A	Action by:

Table B 5.5.7

Published action/organisation(s) responsible	5.5.7: Survey of lakes in the vicinity of Llyn Tegid to see if other populations exist locally (EA)	
Work plan/organisation(s) responsible	Further survey of Lakes around Llyn Tegid in 1999 (CCW, SNPA,EA)	
Action/workplan undertaken? (Yes/No)	No	
Description of work taken and organisation responsible	Survey by contractor over the summer of 1999	
Output and timescale	Report by end 1999	SNPA
Constraints to action	Contractor availability. Adequate funding.	
Action complete or ongoing? (Yes/Not started/Ongoing)	Ongoing	
Next steps	None proposed	
Output and timescale	N/A	Action by

Table B 5.5.8

Published action/organisation(s) responsible	5.5.8: Identify threats to the population in Llyn Tegid (EA)	
Work plan/organisation(s) responsible	Collate list of potential water quality and water resource threats to this species in Llyn Tegid. To include potential pollution sources, changes in flow regimes, and recreational pressures. (EA)	
Action/workplan undertaken? (Yes/No)	No	
Description of work taken and organisation responsible	Desk study/Assess discharges.	
Output and timescale	Report by end 2000	EA
Constraints to action	Finance availability	
Action complete or ongoing? (Yes/Not started/Ongoing)	Ongoing	
Next steps	None proposed	
Output and timescale	N/A	Action by

Table B 5.5.9

Published action/organisation(s) responsible	5.5.9 Undertake ecological studies to provide a description of current and desired water quality and flow and the physical habitat at the Llyn Tegid site)	
Work plan/organisation(s) responsible	CCW/SNPA Ecological study of Llyn Tegid (CCW/SNPA)	
Action/workplan undertaken? (Yes/No)	No	
Description of work taken and organisation responsible	Ecological and/or Hydrological surveys. (SNPA/CCW/EA)	
Output and timescale	Completed by 2002	SNPA
Constraints to action	Funding availability. Contractor availability. Adequate liaison between organisations.	
Action complete or ongoing? (Yes/Not started/Ongoing)	Ongoing	
Next steps	None proposed	
Output and timescale	N/A	Action by