

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	New Forest burnet (<i>Zygaena viciae argyllensis</i>)
Lead Partner/Agency	SNH
Steering Group/Other organisations	Burnet Study Group
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 Maintain the population size at the known site.				✓		Confined to Scotland in the UK
4.2 Enhance the population size at the known site to a target population of over 250 adults by 2010.				✓		

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 Maintain the condition of the fence to permit exclusion or managed grazing by domestic herbivores under the management agreement. (ACTION: SNH)				✓			Ongoing
5.2.2 Where possible, increase the available habitat at the known site. (ACTION: SNH)				✓			Ongoing
5.3.1 Continue to take account of the New Forest burnet in the SSSI management agreement. (ACTION: SNH)				✓			Ongoing

5.3.2	Enforce current legislation in cases of collecting. (ACTION: Police authorities, SNH)				✓			Ongoing
5.4.1	Maintain liaison with the owners and managers of the estate. (ACTION: SNH)				✓			Ongoing
5.5.1	Re-sample the vegetation and analyse any changes every 3-5 years using the results to inform management of the site. (ACTION: SNH)				✓			Ongoing
5.5.2	Continue to monitor the moth population annually using the results to inform management of the site. (ACTION: SNH)				✓			Ongoing
5.5.3	Undertake surveys to clarify the distribution of this species. (ACTION: SNH)							Ongoing:
5.5.4	Conduct targeted autecological research to inform habitat management. (ACTION: SNH)							Ongoing: Larval ecology studied in 1998.
5.5.5	Encourage research on the ecology and conservation of this species at an international level, and use the experience gained towards its conservation in the UK. (ACTION: SNH, JNCC)							Ongoing
5.6.1	Where it is consistent with maintaining site confidentiality, promote opportunities for the appreciation of the New Forest burnet moth, and the measures being taken to conserve it. (ACTION: SNH)							Ongoing: The New Forest burnet moth was included in a glossy booklet <i>Burnet Moths</i> . Produced by SNH in 1996

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).							
The population at the single known site has risen ten-fold in the last two years.							

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.

The Burnet Study Group has existed for over 6 years. They are co-ordinating the work on the rare Scottish burnet moths. The BSG has agreed to take on the role of a Steering Group for the implementation of this Action Plan.

The work so far has included the erection of a fence by NCCS. It is maintained by SNH in agreement with the estate. The fence has, largely, excluded sheep and allowing some recovery of the over-grazed sward. At the same time, the moth population has undergone a strong increase in numbers although only a part of the site is now occupied.

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	David Phillips	David Phillips
Organisation	Scottish Natural Heritage	Scottish Natural Heritage
Assessment date (dd/mm/yy)	1 October 1999	1 October 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

Table A: Action Plan objectives and targets (Copiable table)

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.

Objective/target <i>4(For new or revised targets please provide the new paragraph number and target text.)</i>	4.1 Maintain populations at all known sites.				
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>	✓				
<p>Text description of target progress (separate for each country/region):</p> <p>The Burnet Study Group has existed for over 6 years. They are co-ordinating the work on the rare Scottish burnet moths. The BSG has agreed to take on the role of a Steering Group for the implementation of this Action Plan.</p> <p>The work so far has included the erection of a fence by NCCS. It is maintained by SNH in agreement with the estate. The fence has, largely, excluded sheep and allowing some recovery of the over-grazed sward. At the same time, the moth population has undergone a strong increase in numbers although only a part of the site is now occupied</p> <p>A GIS study for SNH in 1996, identified sites on the West coast of Scotland with similar geology and climate. These have been ear-marked for future survey.</p>					

Table A: Action Plan objectives and targets (Copiable table)

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.

Objective/target (For new or revised targets please provide the new paragraph number and target text.)	4.1 Maintain the population size at the known site.				
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):					
Population is being maintained on an ongoing basis.					

Objective/target (For new or revised targets please provide the new paragraph number and target text.)	4.2 Enhance the population size at the known site to a target population of over 250 adults by 2010.				
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):					
Population is expanding across the site and may reach this level soon. The adult population is monitored annually. The vegetation is monitored every three years.					

Table B: Proposed actions (Copiable table)

For each significant action please copy and complete the table below.

Published action/organisation(s) responsible <i>(For new or revised actions please provide the new paragraph number and action text.)</i>	5.2.1 Maintain the condition of the fence to permit exclusion or managed grazing by domestic herbivores under the management agreement. (ACTION: SNH)	
Work plan/organisation(s) responsible <i>(Summary of work plan agreed by the steering group, broken down by year if possible.)</i>	The Burnet Study Group, which includes the relevant SNH staff and the experts on the moths. Has agreed to act as the steering group for this Action Plan. It will plan work based on the actions outlined in the plan.	
Action/workplan undertaken? <i>(Please state yes or no.)</i>	Yes	
Description of work taken and organisation responsible	The fence is monitored by SNH and maintained in agreement with the Estate	
Output and timescale	Ongoing	Action by
Constraints to action <i>(Please provide an explanation of the significant issues or difficulties encountered and how they have been or will be resolved. Any constraints which the steering group are unable to resolve should also be detailed.)</i>	N/A	
Action complete or ongoing? <i>(Please state yes, not started, or ongoing.)</i>	Ongoing	
Next steps	Continue current management while monitoring the vegetation.	
Output and timescale		Action by
Published action/organisation(s) responsible <i>(For new or revised actions please provide the new paragraph number and action text.)</i>	5.2.2 Where possible, increase the available habitat at the known site. (ACTION: SNH)	
Work plan/organisation(s) responsible <i>(Summary of work plan agreed by the steering group, broken down by year if possible.)</i>	To be discussed at BSG meeting.	
Action/workplan undertaken? <i>(Please state yes or no.)</i>	No	
Description of work taken and organisation responsible	<i>Please provide details of progress to date, including information about outputs, deadlines, which organisations and where action is being undertaken.</i>	
Output and timescale		Action by
Constraints to action <i>(Please provide an explanation of the significant issues or difficulties encountered and how they have been or will be resolved. Any constraints which the steering group are unable to resolve should also be detailed.)</i>	N/A	
Action complete or ongoing? <i>(Please state yes, not started, or ongoing.)</i>	Ongoing	

Next steps	<i>Please outline future action/work including an indication of expected output, timescale and organisation responsible.</i>	
Output and timescale		Action by

Published action/organisation(s) responsible <i>(For new or revised actions please provide the new paragraph number and action text.)</i>	5.3.1 Continue to take account of the New Forest burnet in the SSSI management agreement. (ACTION: SNH)	
Work plan/organisation(s) responsible <i>(Summary of work plan agreed by the steering group, broken down by year if possible.)</i>	Ongoing	
Action/workplan undertaken? <i>(Please state yes or no.)</i>	Ongoing	
Description of work taken and organisation responsible	<i>Please provide details of progress to date, including information about outputs, deadlines, which organisations and where action is being undertaken.</i>	
Output and timescale	Ongoing	Action by
Constraints to action <i>(Please provide an explanation of the significant issues or difficulties encountered and how they have been or will be resolved. Any constraints which the steering group are unable to resolve should also be detailed.)</i>	N/A	
Action complete or ongoing? <i>(Please state yes, not started, or ongoing.)</i>	Ongoing	
Next steps	<i>Please outline future action/work including an indication of expected output, timescale and organisation responsible.</i>	
Output and timescale	Ongoing	Action by

Published action/organisation(s) responsible <i>(For new or revised actions please provide the new paragraph number and action text.)</i>	5.3.2 Enforce current legislation in cases of collecting. (ACTION: Police authorities, SNH)	
Work plan/organisation(s) responsible <i>(Summary of work plan agreed by the steering group, broken down by year if possible.)</i>	Police Authorities, Scottish Natural Heritage.	
Action/workplan undertaken? <i>(Please state yes or no.)</i>	Ongoing	
Description of work taken and organisation responsible	<i>Please provide details of progress to date, including information about outputs, deadlines, which organisations and where action is being undertaken.</i>	
Output and timescale	Ongoing	Action by
Constraints to action <i>(Please provide an explanation of the significant issues or difficulties encountered and how they have been or will be resolved. Any constraints which the steering group are unable to resolve should also be detailed.)</i>	None	
Action complete or ongoing? <i>(Please state yes, not started, or ongoing.)</i>	Ongoing	

Next steps	<i>Please outline future action/work including an indication of expected output, timescale and organisation responsible.</i>	
Output and timescale	Ongoing	Action by

Published action/organisation(s) responsible <i>(For new or revised actions please provide the new paragraph number and action text.)</i>	5.4.1 Maintain liaison with the owners and managers of the estate. (ACTION: SNH)	
Work plan/organisation(s) responsible <i>(Summary of work plan agreed by the steering group, broken down by year if possible.)</i>	There is a management agreement between Scottish Natural Heritage and the Estate that owns the site.	
Action/workplan undertaken? <i>(Please state yes or no.)</i>	Ongoing	
Description of work taken and organisation responsible	<i>Please provide details of progress to date, including information about outputs, deadlines, which organisations and where action is being undertaken.</i>	
Output and timescale	Ongoing	Action by
Constraints to action <i>(Please provide an explanation of the significant issues or difficulties encountered and how they have been or will be resolved. Any constraints which the steering group are unable to resolve should also be detailed.)</i>	None	
Action complete or ongoing? <i>(Please state yes, not started, or ongoing.)</i>	Ongoing	
Next steps	<i>Please outline future action/work including an indication of expected output, timescale and organisation responsible.</i>	
Output and timescale	Ongoing	Action by

Published action/organisation(s) responsible <i>(For new or revised actions please provide the new paragraph number and action text.)</i>	5.5.1 Re-sample the vegetation and analyse any changes every 3-5 years using the results to inform management of the site. (ACTION: SNH)	
Work plan/organisation(s) responsible <i>(Summary of work plan agreed by the steering group, broken down by year if possible.)</i>	Scottish Natural Heritage: Ongoing	
Action/workplan undertaken? <i>(Please state yes or no.)</i>	Yes	
Description of work taken and organisation responsible	<i>Please provide details of progress to date, including information about outputs, deadlines, which organisations and where action is being undertaken.</i>	
Output and timescale	Vegetation last monitored in 1998	Action by
Constraints to action <i>(Please provide an explanation of the significant issues or difficulties encountered and how they have been or will be resolved. Any constraints which the steering group are unable to resolve should also be detailed.)</i>	None	
Action complete or ongoing? <i>(Please state yes, not started, or ongoing.)</i>	Ongoing	

Next steps	<i>Please outline future action/work including an indication of expected output, timescale and organisation responsible.</i>	
Output and timescale	Ongoing	Action by

Published action/organisation(s) responsible <i>(For new or revised actions please provide the new paragraph number and action text.)</i>	5.5.2 Continue to monitor the moth population annually using the results to inform management of the site. (ACTION: SNH)	
Work plan/organisation(s) responsible <i>(Summary of work plan agreed by the steering group, broken down by year if possible.)</i>	Scottish Natural Heritage: Ongoing	
Action/workplan undertaken? <i>(Please state yes or no.)</i>	Ongoing	
Description of work taken and organisation responsible	<i>Please provide details of progress to date, including information about outputs, deadlines, which organisations and where action is being undertaken.</i>	
Output and timescale	Ongoing	Action by
Constraints to action <i>(Please provide an explanation of the significant issues or difficulties encountered and how they have been or will be resolved. Any constraints which the steering group are unable to resolve should also be detailed.)</i>	None	
Action complete or ongoing? <i>(Please state yes, not started, or ongoing.)</i>	Ongoing	
Next steps	<i>Please outline future action/work including an indication of expected output, timescale and organisation responsible.</i>	
Output and timescale	Ongoing	Action by

Published action/organisation(s) responsible <i>(For new or revised actions please provide the new paragraph number and action text.)</i>	5.5.3 Undertake surveys to clarify the distribution of this species. (ACTION: SNH)	
Work plan/organisation(s) responsible <i>(Summary of work plan agreed by the steering group, broken down by year if possible.)</i>	Scottish Natural Heritage, Burnet Study Group Work plan to be discussed at next meeting.	
Action/workplan undertaken? <i>(Please state yes or no.)</i>	Some survey work has already been done and SNH commissioned a GIS study to identify sites with similar geology and climate. These have yet to be surveyed.	
Description of work taken and organisation responsible	<i>Please provide details of progress to date, including information about outputs, deadlines, which organisations and where action is being undertaken.</i>	
Output and timescale	Possible work in 2000	Action by
Constraints to action <i>(Please provide an explanation of the significant issues or difficulties encountered and how they have been or will be resolved. Any constraints which the steering group are unable to resolve should also be detailed.)</i>	The short adult flight period makes survey of all sites in one year difficult.	

Action complete or ongoing? <i>(Please state yes, not started, or ongoing.)</i>	Ongoing	
Next steps	<i>Please outline future action/work including an indication of expected output, timescale and organisation responsible.</i>	
Output and timescale	Ongoing	Action by

Published action/organisation(s) responsible <i>(For new or revised actions please provide the new paragraph number and action text.)</i>	5.5.4 Conduct targeted autecological research to inform habitat management. (ACTION: SNH)	
Work plan/organisation(s) responsible <i>(Summary of work plan agreed by the steering group, broken down by year if possible.)</i>	Scottish Natural Heritage and Burnet Study Group	
Action/workplan undertaken? <i>(Please state yes or no.)</i>	Some work has already been conducted on the ecology of this moth. Further work may be needed if the effects of the genetic bottleneck are severe.	
Description of work taken and organisation responsible	<i>Please provide details of progress to date, including information about outputs, deadlines, which organisations and where action is being undertaken.</i>	
Output and timescale	Ongoing	Action by
Constraints to action <i>(Please provide an explanation of the significant issues or difficulties encountered and how they have been or will be resolved. Any constraints which the steering group are unable to resolve should also be detailed.)</i>	Short flight period, inaccessibility of the site.	
Action complete or ongoing? <i>(Please state yes, not started, or ongoing.)</i>	Ongoing	
Next steps	<i>Please outline future action/work including an indication of expected output, timescale and organisation responsible.</i>	
Output and timescale	Ongoing	Action by

Published action/organisation(s) responsible <i>(For new or revised actions please provide the new paragraph number and action text.)</i>	5.5.5 Encourage research on the ecology and conservation of this species at an international level, and use the experience gained towards its conservation in the UK. (ACTION: SNH, JNCC)	
Work plan/organisation(s) responsible <i>(Summary of work plan agreed by the steering group, broken down by year if possible.)</i>	Scottish Natural Heritage, Burnet Study Group International links are maintained by the members of the BSG which is now functioning as the Steering Group for this plan.	
Action/workplan undertaken? <i>(Please state yes or no.)</i>	Ongoing	
Description of work taken and organisation responsible	<i>Please provide details of progress to date, including information about outputs, deadlines, which organisations and where action is being undertaken.</i>	
Output and timescale	Ongoing	Action by
Constraints to action <i>(Please provide an explanation of the significant issues or difficulties encountered and how they have been or will be resolved. Any constraints which the steering group are unable to resolve should also be detailed.)</i>	None	

Action complete or ongoing? <i>(Please state yes, not started, or ongoing.)</i>	Ongoing	
Next steps	<i>Please outline future action/work including an indication of expected output, timescale and organisation responsible.</i>	
Output and timescale	Ongoing	Action by
Published action/organisation(s) responsible <i>(For new or revised actions please provide the new paragraph number and action text.)</i>	5.6.1 Where it is consistent with maintaining site confidentiality, promote opportunities for the appreciation of the New Forest burnet moth, and the measures being taken to conserve it. (ACTION: SNH)	
Work plan/organisation(s) responsible <i>(Summary of work plan agreed by the steering group, broken down by year if possible.)</i>	Scottish Natural Heritage, Burnet Study Group	
Action/workplan undertaken? <i>(Please state yes or no.)</i>	A glossy booklet on the Burnet Moths of Scotland includes the New Forest burnet moth. It was written by a member of the BSG and published by SNH.	
Description of work taken and organisation responsible	<i>Please provide details of progress to date, including information about outputs, deadlines, which organisations and where action is being undertaken.</i>	
Output and timescale	Ongoing	Action by
Constraints to action <i>(Please provide an explanation of the significant issues or difficulties encountered and how they have been or will be resolved. Any constraints which the steering group are unable to resolve should also be detailed.)</i>	None, except the need not to identify the site.	
Action complete or ongoing? <i>(Please state yes, not started, or ongoing.)</i>	Ongoing	
Next steps	<i>Please outline future action/work including an indication of expected output, timescale and organisation responsible.</i>	
Output and timescale	Ongoing	Action by