

Species and Habitat Action Plan Assessment Form

Field 1: Action Plan details

Species/Habitat Action Plan	Bright Wave
Lead Partner/Agency	Butterfly Conservation
Steering Group/Other organisations	Yes, English Nature, Butterfly Conservation, Independent consultants.
Work programme in existence?	Yes

Field 2: Objectives and targets overview

Number and text	UK	E	NI	S	W	Comments
4.1 Identify the precise habitat requirements of this species.		✓				
4.2 Maintain viable populations within currently occupied areas and, if feasible, restore to 1980 distribution.		✓				

Field 3: Proposed actions overview

Number and text	UK	E	NI	S	W	Action significant?	Action complete or ongoing?
5.2.1 Encourage measures to reduce tidal erosion at Essex sites.		✓				✓	Action dropped
5.2.2 Prevent damage to occupied beaches caused by recreational use.		✓				✓	Action dropped
5.2.3 Encourage appropriate management of all occupied sites, and of suitable sites within the moth's dispersal range.		✓				✓	Ongoing
5.2.4 Attempt to link up isolated colonies by suitable habitat management between them.		✓				X	Not started
5.3.1 Following feasibility assessment and identification of suitable sites, seek to restore population to 1980 levels, using re-introductions if necessary.		✓				✓	Not started
5.4.1 Produce a leaflet on the current status and breeding requirements of the moth for site owners and managers.		✓				X	Not started
5.5.1 Conduct research into the habitat requirements, population dynamics and dispersal abilities of the moth to aid conservation management.		✓				✓	Ongoing
5.5.2 Encourage research on the status and distribution of this species on an international level and use the information gained towards its conservation in the UK	✓					X	Not started
5.5.3 Pass information gathered during survey and monitoring of this species to JNCC or BRC so that it can be incorporated in national databases.	✓					X	Ongoing
5.5.4 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 global red lists.	✓					✓	Action dropped

5.6.1 Promote opportunities for the appreciation and the conservation of the bright wave moth and its habitat.		✓				X	Ongoing
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Field 4: Assessment of status

	Not appropriate	Recovered	Signs of recovery	No change	Declining	Lost	Insufficient information
<i>UK</i>							
<i>England</i>				✓			
<i>Northern Ireland</i>							
<i>Scotland</i>							
<i>Wales</i>							
<p>Surveys and monitoring indicate that the Bright Wave remains in three distinct areas of a single large site in Kent.</p> <p>Surveys of former sites in Essex and Suffolk have failed to find further colonies to date.</p>							

Field 5: Summary statement

<p>Overview</p> <p>Although comprehensive survey of the distribution and status of this species has still to be completed, there are strong indications that this species is relatively stable at its remaining location.</p> <p>The Bright Wave is dependent upon the maintenance of current management at its one good location and should therefore still be regarded as highly vulnerable.</p> <p>Summary of work programme</p> <ul style="list-style-type: none"> • Survey – in Kent, Essex and Suffolk • Status - Monitoring and survey between 1997 and 1999 highlight the vulnerable state of Bright Wave. • Monitoring – methodology and training of volunteers are presently being developed. • Management/Restoration – exact management requirements still unclear but some progress has been made. • Research – some research on habitat quality and habitat management techniques has been achieved. • Threats – the changing understanding of the ecology of the bright wave has made a reappraisal of threats a priority. • Constraints – ecological knowledge of this species and its limited distribution limit further progress. Other actions are constrained by a lack of resources – volunteers and staff. • Future work - Encourage volunteers to participate in monitoring. Further survey, research and advisory work. Fund raising
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Field 6: Signing off

Contact details	Lead Partner	Contact Point
Name	Dr Nigel Bourn	Dr David Sheppard
Organisation	Butterfly Conservation	English Nature
Assessment date (dd/mm/yy)	30/9/99	30/9/99

Table A: Action Plan objectives and targets

Objective/target	4.1 Identify the precise habitat requirements of this 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>					
Research at its remaining location indicate that the species is not a shingle species, as thought but is found further into the dune system, being associated with coastal sandhills and grassland.					

Objective/target	4.2 Maintain viable populations within currently occupied areas and, if feasible, restore to 1980 distribution.				
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>					
Populations in Kent appear stable over the time period of English Natures Species Recovery Programme, previous status is less certain. No progress with restoration in other areas with records since 1980.					

Table B: Proposed actions

Published action/organisation(s) responsible	5.2.1 Encourage measures to reduce tidal erosion at Essex sites. ACTION EN	
Work plan/organisation(s) responsible	This is no longer considered a threat, following the survey in 1997 and the subsequent change in the understanding of the species ecology.	
Action/workplan undertaken?	N/A	
Description of work taken and organisation responsible	N/A	
Output and timescale	N/A	<i>Action by</i>
Constraints to action	N/A	
Action complete or ongoing?	N/A	
Next steps	New actions will be proposed when current threats are better understood.	
Output and timescale		<i>Action by</i> EN

Published action/organisation(s) responsible	5.2.2 Prevent damage to occupied beaches caused by recreational use. ACTION EN	
Work plan/organisation(s) responsible	This is also no longer considered a threat, following the survey in 1997 and the subsequent change in the understanding of the species ecology.	
Action/workplan undertaken?	N/A	
Description of work taken and organisation responsible	N/A	
Output and timescale	N/A	<i>Action by</i>
Constraints to action	N/A	
Action complete or ongoing?	N/A	
Next steps	New actions will be proposed when current threats are better understood.	

Output and timescale		<i>Action by</i> EN
Published action/organisation(s) responsible	5.2.3 Encourage appropriate management of all occupied sites, and of suitable sites within the moth's dispersal range. ACTION EN	
Work plan/organisation(s) responsible	Determine present and past management on sites. Determine if any changes to the management of the 'rough' (particularly irrigation policy) is planned	
Action/workplan undertaken?	Yes	
Description of work taken and organisation responsible	There are three land managers in Kent and links with them have been established, both generally through the work of EN and last year through survey work. Further site visits with 'green' managers have taken place and the management and any likely changes reviewed.	
Output and timescale	Report produced by English Nature (Species Recovery Programme) and Butterfly Conservation.	<i>Action by</i> EN, BC.
Constraints to action	None	
Action complete or ongoing?	Ongoing	
Next steps	There is a need to determine the dispersal range of the moth.	
Output and timescale		<i>Action by</i> EN
Published action/organisation(s) responsible	5.3.1 Following feasibility assessment and identification of suitable sites, seek to restore population to 1980 levels, using re-introductions if necessary. ACTION EN	
Work plan/organisation(s) responsible	No action proposed at present	
Action/workplan undertaken?	No	
Description of work taken and organisation responsible	N/A	
Output and timescale		<i>Action by</i>
Constraints to action	Still not enough information on the ecology of the species to progress this action in the short to medium term.	
Action complete or ongoing?	Not started	
Next steps	To review actions once further ecological work undertaken.	
Output and timescale		<i>Action by</i> EN
Published action/organisation(s) responsible	5.5.1 Conduct research into the habitat requirements population dynamics and dispersal abilities of the moth to aid conservation management. ACTION EN	
Work plan/organisation(s) responsible	1 Further define precise habitat requirements of adult and immature stages. 2 Define population size/colony areas and precise 1980 distribution. 3 Survey sites in for larvae and adults, 4 sites plus other possible sites as time allows. 4 A list of potential sites to be constructed with a view to surveying those with similar vegetation structure. 5 Develop population monitoring protocol. 6 Investigate dispersal ability of moth.	
Action/workplan undertaken?	Yes 1 3 No 2 4 5 6	

Description of work taken and organisation responsible	This species is, since 1997, the subject of an EN Species Recovery Grant, which has so far undertaken a survey of sites. This has been part funded by a European fund (Intereg). Adults were found in ungrazed areas throughout the locality in Kent. Thorpe Ness, Suffolk was surveyed, targeting areas similar to the sites in Kent, i.e. further from the shore line in ungrazed grassland, but no moths were found. The site is now rabbit grazed and it may be that the vegetation is too short for this species.	
Output and timescale	Various reports	<i>Action by</i> EN
Constraints to action	Staff resources	
Action complete or ongoing	Ongoing	
Next steps	2 4 5 6	
Output and timescale		<i>Action by</i> EN

Published action/organisation(s) responsible	5.5.4 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 global red lists. ACTION JNCC	
Work plan/organisation(s) responsible	N/A	
Action/workplan undertaken?	No	
Description of work taken and organisation responsible	N/A	
Output and timescale	N/A	<i>Action by</i>
Constraints to action	WCMC do not wish to receive raw data sets as they are not established to maintain them.	
Action complete or ongoing?	Not started	
Next steps	Action dropped	
Output and timescale	N/A	<i>Action by</i>