

## *Bombus humilis* (Carder Bumblebee)

Full report outputted on the 30/07/2003 17:20:57

### 1. Status of the habitat / species

Please give your most accurate assessment of the status of your species or habitat for the UK and for each country. Leave the row blank where the species or habitat does not occur in that country.

	Amount:	Units:	Year:	Accuracy:	Reference for data:
UK	18	Sites/ Populations ▼	2002	Full survey ▼	ACG Report 2002
E	9	Sites/ Populations ▼	2002	Full survey ▼	ACG Report 2002
NI		▼		▼	
S		▼		▼	
W	9	Sites/ Populations ▼	2002	Full survey ▼	ACG Report 2002

Information originally entered by Mike Edwards on Tuesday, November 19, 2002  
Information last changed by Mike Edwards on Wednesday, December 18, 2002

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### 2. Trend in Biological Status

Please give your best estimate of the current trend for your species or habitat for the UK, and each appropriate country, using the following categories. Please give an estimate unless there is absolutely no information on which to assess status.

	Trend:	Accuracy:	Reference for data:
<b>UK</b>	Declining (continuing/accelerating) ▼	Full survey ▼	ACG Report 2002
<b>E</b>	Declining (continuing/accelerating) ▼	Full survey ▼	ACG Report 2002
<b>NI</b>	▼	▼	
<b>S</b>	▼	▼	
<b>W</b>	Declining (continuing/accelerating) ▼	Full survey ▼	ACG Report 2002

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### 3. Status of knowledge

To what extent is our scientific knowledge of the habitat / species (e.g research information, autecological knowledge, knowledge for effective re-introduction or habitat restoration/re-creation) sufficient to deliver the plan targets?

Please give an assessment for the UK overall but if there is significant difference in knowledge between different countries this should be noted.

<b>Status of knowledge:</b>	Know ledge sufficient to make some impact, but more research needed. ▼
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**Notes:**

Research needed on landscape scale population dynamics and restoration techniques, especially within agricultural situations.

Information originally entered by Mike Edwards on Tuesday, November 19, 2002  
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## 4. Progress on targets

Each of the revised targets from the 2001 Targets Review is listed below.

For each one please give a qualitative assessment of progress for the UK and each country. You can also enter quantitative information on progress by entering data in each of the target boxes and entering the current amount in the amount box. For more information see Help.

**T1: Maintain populations at all known sites.**

<b>Target start date:</b>	<input type="text" value="1997"/>
<b>Target end date:</b>	<input type="text" value="2010"/>
<b>Target units:</b>	<input type="text" value="Sites/ Populations"/>

	Progress	Target	Current	Accuracy	Monitoring
<b>UK</b>	Some progress (on schedule) ▼		18	Full survey ▼	Yes ▼
<b>E</b>	Some progress (on schedule) ▼	9	9	Full survey ▼	Yes ▼
<b>NI</b>	Not applicable ▼				
<b>S</b>	Not applicable ▼				
<b>W</b>	Some progress (on schedule) ▼	3	9	Full survey ▼	Yes ▼

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Information last changed by Mike Edwards on Wednesday, December 18, 2002

## 5. Current factors affecting the habitat

When your plan was published the factors (threats) that were thought to be causing loss or decline were listed (in section 2). Re-assessing the current situation may help prioritise actions for your species or habitat. In addition, this enables identification of the main threats to biodiversity across all plans. It is useful to assess whether the importance of different factors is changing and whether there are new issues emerging.

The threat section from the original plan is duplicated below, and a first attempt at categorising the threats has been made. Please confirm that you agree with the categorisation of the original threats identified in the plan (by deleting any wrongly categorised threats and adding the correct category). Please also add to the list any significant threats that have emerged recently, being mindful of environmental issues that have increased in profile or been recognised since plan publication (e.g. climate change). Once you are happy that the list contains all the threats identified in the published plan together with any new ones, please rank them in order of severity (1= highest threat). If the situation has changed and one of the published threats is no longer significant, please leave this in the list but give this rank = 0.

**Current factors affecting the habitat from the original publication:**

2.1 Loss of extensive, herb-rich grasslands through agricultural intensification.

2.2 Non-native forms of Bombus used for pollination in greenhouses may be a threat, but this requires further investigation.

## Keyworded factors:

To add factors click the add button, to delete factors check the delete box and then click the delete button.

Delete:	Rank:	Keyword:
<input type="checkbox"/>	1	Changes in native species dynamics   Decline in food source / prey
<input type="checkbox"/>	2	Habitat loss / degradation - agriculture   Intensive crop regimes
<input type="checkbox"/>	1	Habitat loss / degradation - agriculture   Intensive grassland management
<input type="checkbox"/>	1	Habitat loss / degradation - infrastructure development   Housing infrastructure
<input type="checkbox"/>	1	Habitat loss / degradation - infrastructure development   Industrial infrastructure
<input type="checkbox"/>	1	Habitat loss / degradation - infrastructure development   Transport infrastructure
<input type="checkbox"/>	3	Invasive/non-native species (directly affecting species)   Competition

Information originally entered by Mike Edwards on Thursday, November 21, 2002

Information last changed by Mike Edwards on Wednesday, December 18, 2002

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## 6. Constraints (optional)

Select the three most significant constraints to achieving the targets of the plan, and indicate the order of priority (1-3 with 1 being the most significant constraint). Only include constraints that are acting as a real blockage to delivering the plan targets or leading to a substantial delay in their delivery. For each constraint, please indicate whether you feel that it is within the ability of the lead partner or steering group to resolve the constraint.

<b>Constraint 1:</b>	
<b>Constraint keyword:</b>	<b>Country:</b>
Funding and incentives   Agency grant - support required	<input checked="" type="checkbox"/> UK <input checked="" type="checkbox"/> E <input type="checkbox"/> NI <input type="checkbox"/> S <input checked="" type="checkbox"/> W
<b>Solution:</b>	<b>Solution type:</b>
1= Understanding of landscape scale population ecology and habitat restoration techniques required	Funding and incentive schemes
<b>Able to resolve:</b>	<input type="checkbox"/>
<b>Constraint 2:</b>	
<b>Constraint keyword:</b>	<b>Country:</b>
Funding and incentives   Agricultural schemes - not delivering wildlife gains	<input checked="" type="checkbox"/> UK <input checked="" type="checkbox"/> E <input type="checkbox"/> NI <input type="checkbox"/> S <input checked="" type="checkbox"/> W

<b>Solution:</b>	<b>Solution type:</b>
<div data-bbox="190 311 1377 502"> <p>1= Sufficient know ledge exists to make a useful start on landscape scale habitat restoration w ithin farmland by modification of Agri-environment schemes. Research/trial restoration required, needs to include long-term funding for specialist support.</p> </div>	<div data-bbox="1657 359 2049 406"> <p>Funding and incentive schemes</p> </div>
<b>Able to resolve:</b>	<input type="checkbox"/>
<b>Constraint 3:</b>	
<b>Constraint keyword:</b>	<b>Country:</b>
<div data-bbox="190 774 1646 821"> <p>Policy, legislation and designation   Agriculture (incl. Common Agricultural Policy)</p> </div>	<div data-bbox="1657 766 2049 877"> <p><input checked="" type="checkbox"/> UK <input type="checkbox"/> E <input type="checkbox"/> NI <input type="checkbox"/> S <input checked="" type="checkbox"/> W</p> </div>
<b>Solution:</b>	<b>Solution type:</b>
<div data-bbox="190 981 1344 1029"> <p>Greater variety and ecologically-led direction in Agri-environment schemes</p> </div>	<div data-bbox="1657 965 2049 1013"> <p>Legislation and policies</p> </div>
<b>Able to resolve:</b>	<input type="checkbox"/>

Information originally entered by Mike Edwards on Tuesday, November 19, 2002  
Information last changed by Mike Edwards on Thursday, November 21, 2002

## 7. Steering Group

Please list all organisations that are represented on the steering group for your species/habitat (include all organisations that have contributed either directly or by correspondence within the last 3 years). Where a steering group does not exist please leave this form blank.

To add organisations click the add button, to delete organisations check the delete box and then click the delete button.

Delete:	Organisation:
<input type="checkbox"/>	Aculeate Conservation Working Group
<input type="checkbox"/>	Bees, Wasps and Ants Recording Society
<input type="checkbox"/>	CABI
<input type="checkbox"/>	Centre for Ecology and Hydrology
<input type="checkbox"/>	Countryside Council for Wales
<input type="checkbox"/>	Defence Estates
<input type="checkbox"/>	Department for the Environment, Food and Rural Affairs
<input type="checkbox"/>	Emorsgate Seeds
<input type="checkbox"/>	English Nature

- Environment Agency
- Farmed Environment Company
- IACR Rothampstead
- Kent Wildlife Trust
- National Museum of Wales
- National Trust
- Natural History Museum
- Royal Society for the Protection of Birds
- Scottish Natural Heritage
- University College London
- University of Southampton
- Writtle College
- Zoological Society of London

Information originally entered by Mike Edwards on Tuesday, November 19, 2002

Information last changed by Mike Edwards on Thursday, December 12, 2002

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## 8. Other Groups/Organisations

Please list any additional groups/organisations that are actively involved in implementing your action plan. (This is to try to assess which groups are involved where there is no steering group and any additional contributors). If you do not have any other organisations involved, [click here](#).

To add organisations click the add button, to delete organisations check the delete box and then click the delete button.

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## 9. Linkages to LBAPs

a) Which of the following most accurately describes your interaction with LBAPs, up to now?

Generic advice to LBAPs on species/habitat needs or appropriate local actions produced/distributed. 

b) If you have been in contact with LBAPs how was it initiated?

By Both 

c) Irrespective of current contact, how important do you consider LBAP co-ordinated action will be in achieving the targets of the plan? Select from category:

Important 

d) If you consider LBAP action to be anything other than unimportant, which of the following forms of engagement do you think would be appropriate? (Note, you may tick more than one category.)

- Indirect contact (e.g. posting information on UKBAP website, sharing work programmes, meeting schedules, articles in Biodiversity News, newsletter)
- Provision of generic information on habitat and/or species (e.g. advice and guidance on habitat/species ecology and management)
- Direct provision of advice (e.g. proactive approach to LBAP, response to consultations from LBAPs, advice on LBAP target setting)
- Reciprocal attendance at meetings
- Development of collaborative projects

Other (please specify):

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Information last changed by Mike Edwards on Thursday, November 21, 2002

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## 10. Successes (optional)

Have there been key successes in the implementation of your plan that should be drawn to the attention of government, the wider BAP partnership, or the public? Please give a brief description (i.e. 2-3 sentences) of up to three successes and allocate a topic area to each of them:

### Success 1:

Description:

Country:

Linking of decline to changes in farming and landscape. Very important for conservation of bumblebees in widest context.

UK  E  NI  S  W

**Keyword:**

Species and habitat management | Other

**Success 2:**

**Description:**

Development of partnerships to tackle the landscape and farming issues for bumblebees in widest context.

**Country:**

UK  E  NI  S  W

**Keyword:**

Partnership | Statutory agency involvement

**Success 3:**

**Description:**

**Country:**

Development of partnerships to tackle the landscape and farming issues for bumblebees in widest context.

UK  E  NI  S  W

**Keyword:**

Partnership | Research institutions - engaged

Information originally entered by Mike Edwards on Tuesday, November 19, 2002  
Information last changed by Mike Edwards on Sunday, November 24, 2002

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Thank you for answering the questions. You have not yet completed all of the questions. You can go back and answer the additional ones or edit the ones you have already answered whenever you want.

**Sign-off:**

When you have completed all of the questions that you are able to, you must sign off your reporting.

I agree that the steering group (if present) have agreed the information in this report and that the following contact point has also signed it off:

**Contact point:** ACG **email:** ammophila@b

**Your name:** Mike Edwards

**Date:** 18/12/2002

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