

# *Bryum warneum* (Sea bryum)

Full report outputted on the 31/07/2003 07:28:27

## 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 | 11      | Sites/ Populations |       |                          | See below   |
| E  | 3       | Sites/ Populations | 2002  | Partial or sample survey | Holyoak, D. 2002. Coastal mosses of the genus Bryum. Plantlife report 206 |
| NI |         |                    |       |                          |   |
| S  | 5       | Sites/ Populations | 2002  | Partial or sample survey | SNH species dossier for Bryum w arneum (Draft)                            |

|          |   |                    |      |                          |   |
|----------|---|--------------------|------|--------------------------|---|
| <b>W</b> | 3 | Sites/ Populations | 2002 | Partial or sample survey | Holyoak, D. 2002. Coastal mosses of the genus Bryum (Wales). Plantlife report 203 |
|          |   |                    |      |                          |   |

Information originally entered by Dr Jenny Duckworth on Monday, October 21, 2002  
 Information last changed by Dr Jenny Duckworth on Monday, December 09, 2002

## 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> | Not know n |                          |                     |
| <b>E</b>  | Not know n | Partial or sample survey | See under           |
| <b>NI</b> |            |                          |                     |
| <b>S</b>  | Not know n | Partial or sample survey | See under           |
| <b>W</b>  | Not know n | Partial or sample survey | See under           |


Information originally entered by Dr Jenny Duckworth on Monday, October 21, 2002  
Information last changed by JNCC on 03 April 2003

---

### 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.   |
| <b>Notes:</b>               | <div data-bbox="465 735 1144 954"><p>This species has show n a major decline during the 20th century, although some historic sites have been refound as a result of recent survey effort. How ever, it is not possible yet to determine the trend in status since publication of the BAP.</p></div> |

Information originally entered by Dr Jenny Duckworth on Monday, October 21, 2002  
Information last changed by Dr Jenny Duckworth on Tuesday, October 29, 2002

---

### 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 of this species at all extant sites.**

|                           |                      |
|---------------------------|----------------------|
| <b>Target start date:</b> | 1998                 |
| <b>Target end date:</b>   | Ongoing              |
| <b>Target units:</b>      | <input type="text"/> |

|           | Progress                      | Target               | Current              | Accuracy                   | Monitoring                 |
|-----------|-------------------------------|----------------------|----------------------|----------------------------|----------------------------|
| <b>UK</b> | Some progress (on schedule) ▼ | <input type="text"/> | <input type="text"/> | <input type="text"/>       | <input type="text"/>       |
| <b>E</b>  | Some progress (on schedule) ▼ | <input type="text"/> | <input type="text"/> | Partial or sample survey ▼ | Under active development ▼ |
| <b>NI</b> | <input type="text"/>          | <input type="text"/> | <input type="text"/> | <input type="text"/>       | <input type="text"/>       |
| <b>S</b>  | Some progress (on schedule) ▼ | <input type="text"/> | <input type="text"/> | Partial or sample survey ▼ | <input type="text"/>       |
| <b>W</b>  | Some progress (on schedule) ▼ | <input type="text"/> | <input type="text"/> | Partial or sample survey ▼ | Under active development ▼ |

**T2: If appropriate and biologically feasible, establish further populations in the vicinity of extant colonies at three sites by 2010**

|                           |                      |
|---------------------------|----------------------|
| <b>Target start date:</b> | 1999                 |
| <b>Target end date:</b>   | 2010                 |
| <b>Target units:</b>      | Sites/ Populations ▼ |

|           | Progress                      | Target | Current | Accuracy | Monitoring |
|-----------|-------------------------------|--------|---------|----------|------------|
| <b>UK</b> | Some progress (on schedule) ▼ | 3      |         |          |            |
| <b>E</b>  | Some progress (on schedule) ▼ | 1      |         |          |            |
| <b>NI</b> |                               |        |         |          |            |
| <b>S</b>  |                               | 1      |         |          |            |
| <b>W</b>  |                               | 1      |         |          |            |

**T3: Establish by 2005 ex situ stocks of this species to safeguard extant populations**

|                           |  |                      |                      |                      |                      |
|---------------------------|--|----------------------|----------------------|----------------------|----------------------|
| <b>Target start date:</b> | <input type="text" value="1999"/>                            |                      |                      |                      |                      |
| <b>Target end date:</b>   | <input type="text" value="2005"/>                            |                      |                      |                      |                      |
| <b>Target units:</b>      | <input type="text"/>   |                      |                      |                      |                      |
|                           | <b>Progress</b>  | <b>Target</b>        | <b>Current</b>       | <b>Accuracy</b>      | <b>Monitoring</b>    |
| <b>UK</b>                 | <input type="text" value="Some progress (behind schedule)"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <b>E</b>                  | <input type="text"/>   | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <b>NI</b>                 | <input type="text"/>   | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <b>S</b>                  | <input type="text"/>   | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <b>W</b>                  | <input type="text"/>   | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

Information originally entered by Dr Jenny Duckworth on Monday, October 21, 2002  
 Information last changed by JNCC on 03 April 2003

## 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 Dune stabilisation and associated infilling of dune slacks in which this species grows. In some cases, dune stabilisation has been increased by coastal protection works.
- 2.2 Holiday developments and the associated increase in recreational pressures, for example golf course construction.
- 2.3 Falling water-table levels are a persistent threat to many of the dune-slack sites for this species.
- 2.4 Invasion of scrub, particularly associated with a decline in rabbit populations, is a potential threat at all dune sites.
- 2.5 Development of coarse vegetation following enrichment from dog-fouling is a significant threat at some sites.

### 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"/> | 3     | Habitat loss / degradation - extraction/drainage   Drainage (for agriculture)         |
| <input type="checkbox"/> | 2     | Habitat loss / degradation - infrastructure development   Stabilisation of sand dunes |

|                          |                                |  |
|--------------------------|--------------------------------|--|
| <input type="checkbox"/> | <input type="text" value="1"/> | Habitat loss / degradation   Natural succession                        |
| <input type="checkbox"/> | <input type="text" value="5"/> | Invasive/non-native species (directly affecting species)   Competition |
| <input type="checkbox"/> | <input type="text" value="4"/> | Pollution - land   Agricultural (other agro-chemicals)                 |

Information originally entered by Dr Jenny Duckworth on Monday, October 21, 2002  
 Information last changed by Dr Jenny Duckworth on Tuesday, October 29, 2002

## 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>   |
| <input type="text"/>       | <input type="checkbox"/> UK <input type="checkbox"/> E <input type="checkbox"/> NI <input type="checkbox"/> S<br><input type="checkbox"/> W |
| <b>Solution:</b>           | <b>Solution type:</b>   |
| <input type="text"/>       | <input type="text"/>  |

Able to resolve:

## Constraint 2:

Constraint keyword:

Country:

 UK  E  NI  S  
 W

Solution:

Solution type:

Able to resolve:

## Constraint 3:

Constraint keyword:

Country:

 UK  E  NI  S  
 W

Solution:

Solution type:

Able to resolve:

## 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"/> | British Bryological Society   |
| <input type="checkbox"/> | Countryside Council for Wales |
| <input type="checkbox"/> | English Nature                |
| <input type="checkbox"/> | Natural History Museum        |
| <input type="checkbox"/> | Plantlife                     |
| <input type="checkbox"/> | Scottish Natural Heritage     |

Information originally entered by Dr Jenny Duckworth on Monday, October 21, 2002

Information last changed by Dr Jenny Duckworth on Monday, December 09, 2002

---

## 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.

| Delete:                  | Organisation:                              |
|--------------------------|--|
| <input type="checkbox"/> | Environment Agency                         |
| <input type="checkbox"/> | Ministry of Defence                        |
| <input type="checkbox"/> | Royal Botanic Gardens, Kew                 |
| <input type="checkbox"/> | Royal Society for the Protection of Birds  |
| <input type="checkbox"/> | Sefton Council Coast & Countryside Service |

Information originally entered by Dr Jenny Duckworth on Monday, October 21, 2002  
Information last changed by Dr Jenny Duckworth on Monday, December 09, 2002

---

## 9. Linkages to LBAPs

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

|   |   |
|---|---|
| Good contact with LBAPs, information exchanged. | ▼ |
|---|---|

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):**

Information originally entered by Dr Jenny Duckworth on Monday, October 21, 2002

---

>

## 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:

Site surveys carried out in England, Wales & Scotland

Country:

UK  E  NI  S  W

Keyword:

Research, survey and information | Baseline survey - achieved or started

### Success 2:

Description:

Two new sites discovered in Scotland as a result of survey

Country:

UK  E  NI  S  W

Keyword:

Research, survey and information | Other

### Success 3:

Description:

Country:

|                      |                             |                            |                             |                            |                            |
|----------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|----------------------------|
| <input type="text"/> | <input type="checkbox"/> UK | <input type="checkbox"/> E | <input type="checkbox"/> NI | <input type="checkbox"/> S | <input type="checkbox"/> W |
| <b>Keyword:</b>      |                             |                            |                             |                            |                            |
| <input type="text"/> |                             |                            |                             |                            |                            |

Information originally entered by Dr Jenny Duckworth on Tuesday, October 29, 2002  
Information last changed by Dr Jenny Duckworth on Monday, December 09, 2002

---

Thankyou 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:

|                       |   |               |  |
|-----------------------|---|---------------|--|
| <b>Contact point:</b> | <input type="text" value="English Nature"/> | <b>email:</b> | <input type="text" value="ron.porley@er"/> |
| <b>Your name:</b>     | <input type="text" value="Jenny"/>          |               |  |
| <b>Date:</b>          | <input type="text" value="20.12.02"/>       |               |  |

---