

Cephaloziella nicholsonii (Greater Copperwort)

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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	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
E	31	Sites/ Populations	2002	Partial or sample survey	Holyoak D T 2000 Bryophyte interest & conservation importance of former metalliferous mine sites in Cornw all ENRR No 328 (p14-15 Table 1) plus a number of other reports to EN and other organisations, all information/data bases held by D T Holyoak.
NI	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
S	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

W	1	Sites/ Populations	1924	Best guess	Only record w as 1924 from specimen collecte

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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:
UK	Declining (continuing/accelerating)	Partial or sample survey	Holyoak D T 2000 ENRR No: 328 Metalliferous mine sites plus Data bases held by D T Holyoak.
E	Declining (continuing/accelerating)	Partial or sample survey	Holyoak D T 2000 ENRR No: 328 Metalliferous mine sites plus Data bases held by D T Holyoak.

NI	<input type="text"/>	<input type="text"/>	<input type="text"/>
S	<input type="text"/>	<input type="text"/>	<input type="text"/>
W	<input type="text"/>	<input type="text"/>	<input type="text"/>

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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.

Status of knowledge:	<input type="text" value="Knowledge sufficient to make some impact, but more research needed."/>
Notes:	<div style="border: 1px solid gray; padding: 5px;"> <p>Some aspects of biology of <i>Cephaloziella nicholsonii</i> which require study, eg: longevity of gemmae, reasons for failure to produce spores, possible PhD project. Ongoing research into it's genetic origins/evolution by Fred Rumsey at the NHM (partly EN funded research). Chemical analysis of substrates has been done at Univ of Hertfordshire and Cornwall College/Plymouth Univ.</p> </div>

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 the geographical range of greater copperwort.

Target start date:	1999
Target end date:	ongoing
Target units:	Sites/ Populations ▼

	Progress	Target	Current	Accuracy	Monitoring
UK	Some progress (on schedule) ▼				
E	Some progress (on schedule) ▼			Partial or sample survey ▼	Under active development ▼

NI	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
S	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
W	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

T2: Increase the size of populations of greater copperwort where biologically feasible.

Target start date:	<input type="text" value="1999"/>
Target end date:	<input type="text" value="ongoing"/>
Target units:	<input type="text" value="Sites/ Populations"/>

	Progress	Target	Current	Accuracy	Monitoring
UK	<input type="text" value="Some progress (behind schedule)"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
E	<input type="text" value="Some progress (behind schedule)"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="Partial or sample survey"/>	<input type="text" value="Under active development"/>
NI	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
S	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

W

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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 Encroachment of scrub and other vegetation, including shading by gorse and heather, may be a threat at some sites.
- 2.2 Spoil landscaping and redevelopment is a threat to extant sites.
- 2.3 This species is known to occur on the walls of old mine buildings. Restoration of these buildings could therefore be damaging to populations of greater copperwort.
- 2.4 Exploratory digging to relocate old mine shafts is a threat to populations at several sites. (This digging is generally carried out by local authorities who are anxious to replace unsafe timber cappings on old shafts.)

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"/>	2	Habitat loss / degradation - infrastructure development Mineral works (after use of old sites)
<input type="checkbox"/>	2	Habitat loss / degradation - infrastructure development Restoration works on old buildings / walls
<input type="checkbox"/>	1	Habitat loss / degradation - management practice Scrub encroachment

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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.

Constraint 1:	Country:
Constraint keyword:	
Species and habitat management Scrub control - inappropriate	<input type="checkbox"/> UK <input checked="" type="checkbox"/> E <input type="checkbox"/> NI <input type="checkbox"/> S <input type="checkbox"/> W

Solution:	Solution type:
Surveys scheduled for next 2 years which will lead to habitat mangement proposals w here needed.	Management
Able to resolve:	<input checked="" type="checkbox"/>
Constraint 2:	
Constraint keyword:	Country:
Research, survey and information Specialist expertise required	<input type="checkbox"/> UK <input type="checkbox"/> E <input type="checkbox"/> NI <input type="checkbox"/> S <input type="checkbox"/> W
Solution:	Solution type:
Taxonomically critical species, microscopic identification essential. Shortage of bryophyte specialists.	Other
Able to resolve:	<input type="checkbox"/>
Constraint 3:	
Constraint keyword:	Country:
	<input type="checkbox"/> UK <input type="checkbox"/> E <input type="checkbox"/> NI <input type="checkbox"/> S <input type="checkbox"/> W

Solution:	Solution type:
<input type="text"/>	<input type="text"/>
Able to resolve:	<input type="checkbox"/>

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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.

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:
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- British Bryological Society
- Countryside Council for Wales
- Natural History Museum

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9. Linkages to LBAPs

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

Little or no contact with LBAPs.

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

By Lead Partner

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:

Unimportant

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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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:

Within Cornw all majority of historic sites surveyed and several new sites found.

UK E NI S W

Keyword:

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

Success 2:

Description:

Phoenix United Mine and Crow 's Nest cSAC designated. West Cornw all Bryophytes SSSI designated.

Country:

UK E NI S W

Keyword:

Policy, legislation and designation | Improved protection through site designation - international (SPA, SAC, RAMSAR)

Success 3:

Description:

Country:

UK E NI S W

Keyword:

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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:

Contact point:	English Nature	email:	beth.tonkin@e
Your name:	Beth Tonkin		
Date:	18 Dec. 2002		
