

Osmia xanthomelana (a Mason Bee)

Full report outputted on the 01/08/2003 10:27:02

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"/> | |
| E | 0 | Sites/ Populations | 2002 | Partial or sample survey | Wright, A. 2000. The status of the mason bee <i>Osmia xanthomelana</i> (Kirby), on the Isle of Wight, 2000. Unpublished report. English Nature. |
| 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" value="2"/> | <input type="text" value="Sites/ Populations"/> | <input type="text" value="2002"/> | <input type="text" value="Partial or sample survey"/> | Clee, C. & Green, T. 2002. The status and ecology of the mason bee <i>Osmia xanthomelana</i> Kirby at coastal soft cliff sites on the Llyn peninsula. CCW Contract Science 524. Countryside Council for Wales. |
| | | | | | |

Information originally entered by Mike Howe on Tuesday, November 19, 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: |
|-----------|-------------------------------------|---|--|
| UK | <input type="text" value="Stable"/> | <input type="text" value="Partial or sample survey"/> | Clee, C. & Green, T. 2002. The status and ecology of the mason bee <i>Osmia xanthomelana</i> Kirby at coastal soft cliff sites on the Llyn peninsula. CCW Contract Science 524. Countryside Council for Wales. |


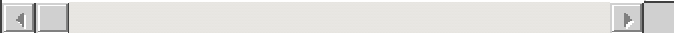
| | | | |
|-----------|------------------------------|----------------------------|--|
| E | Lost (pre BAP publication) ▼ | Partial or sample survey ▼ | Wright, A. 2000. The status of the mason bee <i>Osmia xanthomelana</i> (Kirby), on the Isle of Wight, 2000. Unpublished report. English Nature. |
| | | | |
| NI | | | |
| S | | | |
| W | Stable ▼ | Partial or sample survey ▼ | Clee, C. & Green, T. 2002. The status and ecology of the mason bee <i>Osmia xanthomelana</i> Kirby at coastal soft cliff sites on the Llyn peninsula. CCW Contract Science 524. Countryside Council for Wales. |
| | | | |

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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: | Know ledge sufficient to make some impact, but more research needed.  |
| Notes: | <div style="border: 1px solid gray; padding: 5px;"><p>Recent studies at the Welsh localities have provided a good understanding of the autecological requirements of this species which should allow us to safeguard it at current sites. However, we have no information which would allow for effective (re) introductions and no captive stocks or rearing programmes to provide specimens for receptor sites.</p></div>  |

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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. | |
| Target start date: | <input type="text" value="1999"/> |
| Target end date: | <input type="text" value="ongoing"/> |

Target units:

Sites/ Populations

| | Progress | Target | Current | Accuracy | Monitoring |
|----|-----------------|--------|---------|--------------------------|--------------------------|
| UK | Target achieved | 2 | | | |
| E | | | | | |
| NI | | | | | |
| S | | | | | |
| W | Target achieved | 2 | 2 | Partial or sample survey | Under active development |

T2: Enhance the population size at all known sites by 2010.

Target start date:

1999

Target end date:

2010

Target units:

Sites/ Populations

| Progress | Target | Current | Accuracy | Monitoring |
|----------|--------|---------|----------|------------|
|----------|--------|---------|----------|------------|

| | | | | | | | |
|-----------|-------------------------------|---|---|--------------------------|---|--------------------------|---|
| UK | Some progress (on schedule) ▼ | | | | ▼ | | ▼ |
| E | | | | | ▼ | | ▼ |
| NI | | | | | ▼ | | ▼ |
| S | | | | | ▼ | | ▼ |
| W | Some progress (on schedule) ▼ | 2 | 2 | Partial or sample survey | ▼ | Under active development | ▼ |

T3: Restore populations to suitable sites to maintain five viable populations within the historic range by 2010.

Target start date:

Target end date:

Target units:

| | Progress | Target | Current | Accuracy | Monitoring |
|-----------|---------------|--------|---------|----------|------------|
| UK | No progress ▼ | 5 | | ▼ | ▼ |
| E | | | | ▼ | ▼ |

| | | | | |
|-----------|----------------------|----------------------|----------------------|--------------------------|
| 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 | No progress | 5 | 2 | Partial or sample survey |

T4: Restore populations to suitable sites to maintain 20 viable populations in the long term.

Target start date:

Target end date:

Target units:

| | Progress | Target | Current | Accuracy | Monitoring |
|-----------|----------------------|----------------------|----------------------|--------------------------|----------------------|
| UK | No progress | 20 | 2 | Partial or sample survey | Yes |
| E | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 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 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|----------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|

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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 Cliff stabilisation.

2.2 Intensification of agricultural systems at the top of soft-rock cliffs, leading to increased nutrient input to the cliff faces as fertilised agricultural land makes its way down the cliff. This increased input of nutrients results in a coarsening of the vegetation, and rapid shading out of both nesting areas and forage plants.

2.3 Scrub encroachment.

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"/> | 5 | Habitat loss / degradation - agriculture Conversion to pasture |
| <input type="checkbox"/> | 5 | Habitat loss / degradation - agriculture Intensive grassland management |
| <input type="checkbox"/> | 4 | Habitat loss / degradation - extraction/drainage Drainage (for agriculture) |
| <input type="checkbox"/> | 0 | Habitat loss / degradation - infrastructure development Coastal defence works |
| <input type="checkbox"/> | 0 | Habitat loss / degradation - management practice Scrub encroachment |
| <input type="checkbox"/> | 1 | Habitat loss / degradation Erosion (coastal) |
| <input type="checkbox"/> | 2 | Intrinsic Factors Limited dispersal |
| <input type="checkbox"/> | 2 | Intrinsic Factors Low population density / size |
| <input type="checkbox"/> | 2 | Intrinsic Factors Restricted range |
| <input type="checkbox"/> | 3 | Pollution - freshwater Agricultural (nutrient enrichment) |

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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: | |
| Constraint keyword: | Country: |
| Species and habitat management Lack of available habitat | <input type="checkbox"/> UK <input type="checkbox"/> E <input type="checkbox"/> NI <input type="checkbox"/> S <input type="checkbox"/> W |
| Solution: | Solution type: |
| <div style="border: 1px solid black; padding: 5px; min-height: 100px;">At the 2 Welsh localities, all suitable nesting habitat is probably occupied. Whilst it may be possible to increase the area by sympathetic management, it will be difficult to encourage the bee to colonise new localities naturally as few sites are available and they are distant from the occupied sites.</div> | |
| Able to resolve: | <input type="checkbox"/> |
| Constraint 2: | |
| Constraint keyword: | Country: |
| Species and habitat management Habitat fragmentation increasing or too great | <input type="checkbox"/> UK <input type="checkbox"/> E <input type="checkbox"/> NI <input type="checkbox"/> S |

W

Solution:

Solution type:

Coastal soft cliff is, by nature, a fragmented habitat. There is no evidence of increased fragmentation since the initiation of the BAP but, historically, cliff top improvement for agriculture has isolated section of soft cliff.

Able to resolve:

Constraint 3:

Constraint keyword:

Country:

Species and habitat management | Species range decrease

UK E NI S

W

Solution:

Solution type:

The loss of the species from the Isle of Wight, if this is the case, will severely hamper targets to recolonise sites

Able to resolve:

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Information last changed by Mike Howe on Monday, November 25, 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"/> | Liverpool Museum |

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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.

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 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:

We now have a better understanding of breeding biology, nest site selection, foraging behaviour and population estimates at the Welsh sites

Country:

UK E NI S W

Keyword:

Research, survey and information | Autecology - improved knowledge

Success 2:

Description:

Country:

Surveys to determine distribution have taken place in north-west Wales and on the Isle of Wight

UK E NI S W

Keyword:

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

Success 3:

Description:

PDO list prevents cliff top improvement, drainage and pollution at the 2 Welsh sites

Country:

UK E NI S W

Keyword:

Policy, legislation and designation | Improved protection through site designation - UK (SSSI, NNR, MNR)

Information originally entered by Mike Howe on Monday, November 25, 2002

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: | <input type="text"/> | email: | <input type="text"/> |
| Your name: | <input type="text"/> | | |
| Date: | <input type="text"/> | | |
