

Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

| | |
|---|-----------------------------|
| 0.1 Member State | HU |
| 0.2.1 Species code | 1061 |
| 0.2.2 Species name | Maculinea nausithous |
| 0.2.3 Alternative species scientific name | N/A |
| 0.2.4 Common name | sötét hangyaboglárka |

1. National Level

1.1 Maps

| | |
|--------------------------|---|
| 1.1.1 Distribution Map | Yes |
| 1.1.1a Sensitive species | No |
| 1.1.2 Method used - map | Estimate based on partial data with some extrapolation and/or modelling (2) |
| 1.1.3 Year or period | 2007-2012 |
| 1.1.4 Additional map | No |
| 1.1.5 Range map | Yes |

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

Pannonian (PAN)

2.2 Published sources

A Nemzeti Biodiverzitás-monitorozó Rendszer keretében 2007-2012 között végzett felmérések kutatási jelentései.
 Sáfián, Sz., Verovnik, R., Bathó, I. -né, Csontos, G., Horváth, B., Kogovšek, N., Rebeušek, F., Scherer, Z., Strausz, M., Szentirmai, I., & Zakšek, B. 2012: Nappali lepke atlasz / Atlas dnevnih metuljev / Butterfly atlas Órség - Goričko (ed. Ábrahám, L.). – Óriszentpéter, pp. 1-248.

2.3 Range

| | |
|---|---|
| 2.3.1 Surface area - Range (km ²) | 5658 |
| 2.3.2 Method - Range surface area | Estimate based on partial data with some extrapolation and/or modelling (2) |
| 2.3.3 Short-term trend period | 2001-2012 |
| 2.3.4 Short-term trend direction | stable (0) |
| 2.3.5 Short-term trend magnitude | min max |
| 2.3.6 Long-term trend period | |
| 2.3.7 Long-term trend direction | N/A |
| 2.3.8 Long-term trend magnitude | min max |
| 2.3.9 Favourable reference range | area (km ²) operator approximately equal to (≈) unkown No method |
| 2.3.10 Reason for change | Improved knowledge/more accurate data |

2.4 Population

| | |
|---|---|
| 2.4.1 Population size (individuals or agreed exception) | Unit N/A min max |
| 2.4.2 Population size (other than individuals) | Unit number of localities (localities) min 80 max 100 |
| 2.4.3 Additional information | Definition of locality A lokalitás egy kolóniának otthont adó élőhelyfolt. Conversion method |

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| Problems | |
|--|---|
| 2.4.4 Year or period | 2007-2012 |
| 2.4.5 Method – population size | Estimate based on partial data with some extrapolation and/or modelling (2) |
| 2.4.6 Short-term trend period | 2001-2012 |
| 2.4.7 Short term trend direction | decrease (-) |
| 2.4.8 Short-term trend magnitude | min max confidence interval |
| 2.4.9 Short-term trend method | Estimate based on partial data with some extrapolation and/or modelling (2) |
| 2.4.10 Long-term trend period | |
| 2.4.11 Long term trend direction | N/A |
| 2.4.12 Long-term trend magnitude | min max confidence interval |
| 2.4.13 Long-term trend method | N/A |
| 2.4.14 Favourable reference population | number operator more than (>) unknown No method |
| 2.4.15 Reason for change | Genuine Improved knowledge/more accurate data |

2.5 Habitat for the Species

| | |
|---|--|
| 2.5.1 Surface area - Habitat (km ²) | 56 |
| 2.5.2 Year or period | 2007-2012 |
| 2.5.3 Method used - habitat | Estimate based on partial data with some extrapolation and/or modelling (2) |
| 2.5.4 a) Quality of habitat | Moderate |
| 2.5.4 b) Quality of habitat - method | vízellátottság, inváziós fajok borítása, kezelés, védettség, tápnövény borítottság mértéke |
| 2.5.5 Short term trend period | 2001-2012 |
| 2.5.6 Short term trend direction | stable (0) |
| 2.5.7 Long-term trend period | |
| 2.5.8 Long term trend direction | N/A |
| 2.5.9 Area of suitable habitat (km ²) | 56 |
| 2.5.10 Reason for change | Improved knowledge/more accurate data |

2.6 Main Pressures

| Pressure | ranking | pollution qualifier(s) |
|--|-----------------------|------------------------|
| large scale water deviation (J02.03.01) | high importance (H) | N/A |
| species composition change (succession) (K02.01) | high importance (H) | N/A |
| Drying out (K01.03) | high importance (H) | N/A |
| removal of hedges and copses or scrub (A10.01) | medium importance (M) | N/A |
| mowing / cutting of grassland (A03) | high importance (H) | N/A |

2.6.1 Method used – pressures based exclusively or to a larger extent on real data from sites/occurrences or other

2.7 Main Threats

| Threat | ranking | pollution qualifier(s) |
|--|-----------------------|------------------------|
| large scale water deviation (J02.03.01) | high importance (H) | N/A |
| species composition change (succession) (K02.01) | high importance (H) | N/A |
| Drying out (K01.03) | high importance (H) | N/A |
| removal of hedges and copses or scrub (A10.01) | medium importance (M) | N/A |

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| | | |
|-------------------------------------|-----------------------|-----|
| mowing / cutting of grassland (A03) | high importance (H) | N/A |
| Changes in abiotic conditions (M01) | medium importance (M) | N/A |

2.7.1 Method used – threats expert opinion (1)

2.8 Complementary Information

2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information

A populációk egy részét mennyiségi mintavétellel vizsgáljuk, a vizsgált populációkban egyedszámcsökkenés tapasztalható. A kedvező állományméretet ez alapján gondoljuk nagyobbak. Ugyanakkor a teljes hazai populációra egyedszám nem becsülhető, ezért lokalitást használtunk az állomány méret megadására.

2.8.3 Trans-boundary assessment

2.9 Conclusions (assessment of conservation status at end of reporting period)

2.9.1 Range assessment Favourable (FV)
qualifiers N/A

2.9.2. Population assessment Inadequate (U1)
qualifiers declining (-)

2.9.3. Habitat assessment Inadequate (U1)
qualifiers stable (=)

2.9.4. Future prospects assessment Inadequate (U1)
qualifiers declining (-)

2.9.5 Overall assessment of Conservation Status Inadequate (U1)

2.9.5 Overall trend in Conservation Status declining (-)

3. Natura 2000 coverage and conservation measures - Annex II species

3.1 Population

3.1.1 Population Size Unit number of localities (localities)
min 68 max 85

3.1.2 Method used Estimate based on partial data with some extrapolation and/or modelling (2)

3.1.3 Trend of population size within N/A

3.2 Conversation Measures

| 3.2.1 Measure | 3.2.2 Type | 3.2.3 Ranking | 3.2.4 Location | 3.2.5 Broad Evaluation |
|--|------------|-----------------------|----------------|------------------------|
| Adapting crop production (2.2) | Legal | high importance (H) | Inside | Maintain Enhance |
| Maintaining grasslands and other open habitats (2.1) | One-off | medium importance (M) | Inside | Enhance |

