

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 | 1903 |
| 0.2.2 Species name | <i>Liparis loeselii</i> |
| 0.2.3 Alternative species scientific name | N/A |
| 0.2.4 Common name | loesel-hagymaburok |

1. National Level

1.1 Maps

| | |
|--------------------------|--|
| 1.1.1 Distribution Map | Yes |
| 1.1.1a Sensitive species | No |
| 1.1.2 Method used - map | Complete survey/Complete survey or a statistically robust estimate (3) |
| 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)

- Illyés Z., Molnár V. A. (2011): Lápi hagymaburok – *Liparis loeselii* (L.) L.C.M. Richard 1817. In: Molnár V. Attila (szerk.): Magyarország orchideáinak atlasza. Kossuth Kiadó, Budapest. pp. 279-281.
- Illyés Z. (2011): Orchidea adatok Szigetcsép környékéről. Kitaibelia 16(1-2): 95-96.
- Ifj. Vasuta Gábor: A hagymaburok (*Liparis loeselii* (L.) Rich.) felfedezése a devecseri Széki-erdőben. Apró közlemények. Kitaibelia, XIV. évf. 1. szám, pp. 123. Debrecen 2009
- Király G., Illyés Z. (2011): A *Liparis loeselii* (L.) Rich. előfordulása a Fertő-tó térségében. Kitaibelia 16(1-2): 89-94.
- Illyés Z. (2008): Velencei-tó NBmR kvadrát térképezés. Duna-Ipoly Nemzeti Park számára. Budapest, mscr. Pp. 90 oldal (+12 térképmelléklet, DVD melléklet)
- Illyés Z. (2008): Virágzásbiológiai vizsgálatok a velencei-tavi *Liparis loeselii* populációban c. tanulmány a Duna-Ipoly Nemzeti Park megbízásából. Budapest, mscr. pp. 22
- Illyés Z. (2007): A 2007. évi *Liparis loeselii* állománymonitoring c. tanulmány a Duna-Ipoly Nemzeti Park számára. Budapest, mscr. pp. 23.
- Illyés Z. (2007): A Ráckevei (Soroksári)-Duna élőhelyterképezése. Az Ipoly és a Duna vizes élőhelyeinek bemutatása és határon átnyúló Natura 2000 monitoring rendszer kialakítása pályázat kapcsán a Duna-Ipoly Nemzeti Park megbízásából készített, az 1. és 2. munkaszakaszokat követő részjelentés. Budapest, mscr. pp. 30.
- Illyés Z. (2007): Védett növényfajok előfordulásának pontszerű térképezése a Velencei-tó, Velencei-hegység és környékük területén c. tanulmány a Duna-Ipoly Nemzeti Park számára. Budapest, mscr. pp. 23.
- Illyés Z., Takács A.A., Takács G., Kiss P. (2007): Szempontok a *Liparis loeselii* magyarországi élőhelyeinek természetvédelmi szempontú kezeléséhez. Természetvédelmi Közlemények 13: 403-410.
- A Nemzeti Biodiverzitás-monitorozó Rendszer keretében 2007-2012 között végzett felmérések kutatási jelentései

2.3 Range

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| | | | |
|---|---|--|--|
| 2.3.1 Surface area - Range (km ²) | 489 | | |
| 2.3.2 Method - Range surface area | | Complete survey/Complete survey or a statistically robust estimate (3) | |
| 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 unkown method | approximately equal to (≈) No | |

2.3.10 Reason for change

2.4 Population

| | | | |
|---|---|--|---------------------|
| 2.4.1 Population size (individuals or agreed exception) | Unit | number of individuals (i) | |
| | min | 2900 | max 3300 |
| 2.4.2 Population size (other than individuals) | Unit | N/A | |
| | min | max | |
| 2.4.3 Additional information | | Definition of locality Conversion method Problems | |
| 2.4.4 Year or period | | 2007-2012 | |
| 2.4.5 Method – population size | | Complete survey/Complete survey or a statistically robust estimate (3) | |
| 2.4.6 Short-term trend period | 2001-2012 | | |
| 2.4.7 Short term trend direction | stable (0) | | |
| 2.4.8 Short-term trend magnitude | min | max | confidence interval |
| 2.4.9 Short-term trend method | | Complete survey/Complete survey or a statistically robust estimate (3) | |
| 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 unknown method | approximately equal to (≈) No | |
| 2.4.15 Reason for change | | Improved knowledge/more accurate data | |

2.5 Habitat for the Species

| | | |
|---|--|--|
| 2.5.1 Surface area - Habitat (km ²) | 0,02 | |
| 2.5.2 Year or period | 2007-2012 | |
| 2.5.3 Method used - habitat | Complete survey/Complete survey or a statistically robust estimate (3) | |
| 2.5.4 a) Quality of habitat | Good | |
| 2.5.4 b) Quality of habitat - method | szukcesszió, területhasználat, a terület védettsége, vízviszonyok | |
| 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 | |

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| | |
|---|---|
| 2.5.9 Area of suitable habitat (km ²) | 0,06 |
| 2.5.10 Reason for change | Improved knowledge/more accurate data Use of different method |

2.6 Main Pressures

| Pressure | ranking | pollution qualifier(s) |
|---|-----------------------|------------------------|
| Urbanised areas, human habitation (E01) | high importance (H) | N/A |
| Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01) | high importance (H) | N/A |
| fire and fire suppression (J01) | medium importance (M) | N/A |
| Water abstractions from surface waters (J02.06) | low importance (L) | N/A |

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

2.7 Main Threats

| Threat | ranking | pollution qualifier(s) |
|---|-----------------------|------------------------|
| Urbanised areas, human habitation (E01) | high importance (H) | N/A |
| Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01) | high importance (H) | N/A |
| Biocenotic evolution, succession (K02) | high importance (H) | N/A |
| fire and fire suppression (J01) | medium importance (M) | N/A |
| Water abstractions from surface waters (J02.06) | low importance (L) | 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

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 Favourable (FV)
qualifiers N/A

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

2.9.4. Future prospects assessment Favourable (FV)
qualifiers N/A

2.9.5 Overall assessment of Conservation Status
Inadequate (U1)

2.9.5 Overall trend in Conservation Status
stable (=)

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

3.1 Population

3.1.1 Population Size Unit number of individuals (i)

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| | min | 2900 | max | 3300 |
|---------------------------------------|-----|--|-----|------|
| 3.1.2 Method used | | Complete survey/Complete survey or a statistically robust estimate (3) | | |
| 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 |
|--|----------------|---------------------|----------------|------------------------|
| Other wetland-related measures (4.0) | Administrative | high importance (H) | Inside | Maintain Long term |
| Maintaining grasslands and other open habitats (2.1) | Recurrent | high importance (H) | Inside | Maintain Long term |
| Other species management measures (7.0) | Recurrent | high importance (H) | Inside | Long term |

**Térképmelléklet az élőhelyvédelmi irányelv 17. cikke alapján készített országjelentéshez
2013.**

Hagymaburok (*Liparis loeselii*)

II., IV. melléklet

