

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 | 1617 |
| 0.2.2 Species name | Angelica palustris |
| 0.2.3 Alternative species scientific name | N/A |
| 0.2.4 Common name | réti angyalgyökér |

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 | 2007-2010 |
| 1.1.4 Additional map | No |
| 1.1.5 Range map | Yes |

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

Pannonian (PAN)

A Nemzeti Biodiverzitás-monitorozó Rendszer keretében 2007-2012 között végzett felmérések kutatási jelentései

2.3 Range

| | |
|---|--|
| 2.3.1 Surface area - Range (km ²) | 1424 |
| 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 | N/A |
| 2.3.7 Long-term trend direction | min max |
| 2.3.8 Long-term trend magnitude | area (km ²) operator more than (>) unkown No method |
| 2.3.9 Favourable reference range | |
| 2.3.10 Reason for change | Improved knowledge/more accurate dataUse of different method |

2.4 Population

| | | | |
|--|------------------------|---------------------------|---|
| 2.4.1 Population size (individuals or agreed exception) | Unit | number of individuals (i) | |
| | min | 50000 | max 67000 |
| 2.4.2 Population size (other than individuals) | Unit | N/A | |
| | min | | max |
| 2.4.3 Additional information | Definition of locality | | |
| | Conversion method | | |
| | Problems | | Az évenkénti teljes állomány felmérés nem volt lehetséges, a nagy egyedszámú populációk esetében számolással kiegészített becsléssel történt. |

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|---|---|------------------------|---------------------|--|--|
| 2.4.4 Year or period | 2007-2010 | | | | |
| 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 | N/A | | | | |
| 2.4.11 Long term trend direction | min | max | confidence interval | | |
| 2.4.12 Long-term trend magnitude | N/A | | | | |
| 2.4.13 Long-term trend method | number | | | | |
| 2.4.14 Favourable reference population | operator | more than (>) | | | |
| | unknown | No | | | |
| | method | | | | |
| 2.4.15 Reason for change | Genuine Improved knowledge/more accurate data Use of different method | | | | |
| 2.5 Habitat for the Species | | | | | |
| 2.5.1 Surface area - Habitat (km ²) | 2,14 | | | | |
| 2.5.2 Year or period | 2007-2010 | | | | |
| 2.5.3 Method used - habitat | Complete survey/Complete survey or a statistically robust estimate (3) | | | | |
| 2.5.4 a) Quality of habitat | Moderate | | | | |
| 2.5.4 b) Quality of habitat - method | szakértői becslésen alapulva | | | | |
| 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 | N/A | | | | |
| 2.5.8 Long term trend direction | 4 | | | | |
| 2.5.9 Area of suitable habitat (km ²) | Genuine Improved knowledge/more accurate data | | | | |
| 2.5.10 Reason for change | | | | | |
| 2.6 Main Pressures | | | | | |
| Pressure | ranking | pollution qualifier(s) | | | |
| Landfill, land reclamation and drying out, general (J02.01) | high importance (H) | N/A | | | |
| Canalisation & water deviation (J02.03) | high importance (H) | N/A | | | |
| Biocenotic evolution, succession (K02) | high importance (H) | N/A | | | |
| invasive non-native species (I01) | high importance (H) | N/A | | | |
| modification of cultivation practices (A02) | medium importance (M) | N/A | | | |
| 2.6.1 Method used – pressures | based exclusively or to a larger extent on real data from sites/occurrences or othe | | | | |
| 2.7 Main Threats | | | | | |
| Threat | ranking | pollution qualifier(s) | | | |
| Landfill, land reclamation and drying out, general (J02.01) | high importance (H) | N/A | | | |
| Canalisation & water deviation (J02.03) | high importance (H) | N/A | | | |
| species composition change (succession) (K02.01) | high importance (H) | N/A | | | |
| invasive non-native species (I01) | high importance (H) | N/A | | | |
| intensive mowing or intensification (A03.01) | medium importance (M) | N/A | | | |
| modification of cultivation practices (A02) | low importance (L) | N/A | | | |

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| | | |
|---|---|-----|
| grazing (A04) | 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 Inadequate (U1) qualifiers stable (=) | |
| 2.9.2. Population | assessment Inadequate (U1) qualifiers stable (=) | |
| 2.9.3. Habitat | assessment Inadequate (U1) qualifiers stable (=) | |
| 2.9.4. Future prospects | assessment Inadequate (U1) qualifiers stable (=) | |
| 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) | |
| | min | 45000 | max 63000 |
| 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 |
|--|------------------------|---------------------|----------------|----------------------------------|
| Maintaining grasslands and other open habitats (2.1) | Contractual | high importance (H) | Both | Maintain Enhance Long term |
| Other wetland-related measures (4.0) | Contractual One-off | high importance (H) | Inside | Maintain Enhance Long term |
| Other measures (8.0) | Contractual One-off | high importance (H) | Inside | Maintain Enhance Long term |
| Other species management measures (7.0) | Recurrent | high importance (H) | Both | Long term |

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

Réti angyalgyökér (*Angelica palustris*)

II., IV. melléklet

