

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	2093
0.2.2 Species name	<i>Pulsatilla grandis</i>
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	leánykökörccsin

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)

2.2 Published sources

Farkas Sándor - Molnár V. Attila: Az év vadvirága - a leánykökörccsin. Madártávlat, 2011. (18. évf.) 1. sz. 24-25. old.

Farkas Sándor - Molnár V. Attila: Az év vadvirága 2011-ben. A leánykökörccsin. Természet világa : természettudományi közlöny, 2011. (142. évf.) 3. sz. 138-139. old.

Farkas Sándor - Molnár V. Attila: A leánykökörccsin. Természetbúvár, 2011. (65. évf.) 1. sz. 32-33. old.

Szili István: Leánykökörccsin. Élet és tudomány, 2009. (64. évf.) 16. sz. 511-hátlap. old.

Schmidt D. & Lengyel A. (2008): Adatok a Pannonhalmi-dombság flórájának ismeretéhez. Flora Pannonica 6.: 25-57.

Lendvai G. – Horváth A. (2010) 2011: Adatok a Mezőföld löszflórájához. – Kitaibelia 15 (1-2): 119-132

Beránek Á. (2008): Adatok a Heves-Borsodi-dombság és az Upponyi-hegyhát flórájához II. - Kitaibelia 13(1): 34-45.

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

Schmotzer A. (2008): A fűlevelű aranyvessző [*Solidago graminifolia* (L.) SALISB.] előfordulása Magyarországon. - Flora Pannonica 6: 59-77.

Sulyok J. (2010):Adatok az Upponyi-hegyhát északi részének flórájához. – Kitaibelia 15 (1-2): 133-144.

Zelei J. (2008): A leánykökörccsin (*Pulsatilla grandis* Wender.) biológiai vizsgálata állapotfelmérés a borsodbótai Órhegyen. Szakdolgozat DE, Debrecen.

2.3 Range

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2.3.1 Surface area - Range (km ²)	14006
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 approximately equal to (≈) unknown 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 number of individuals (i) min 1100000 max 1500000
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	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	unknown (x)
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 approximately equal to (≈) 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)	45
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	Figyelembe vett tényezők: területhasználat, szukcessziós viszonyok, inváziós fertőzöttség, védettség
2.5.5 Short term trend period	2001-2012
2.5.6 Short term trend direction	stable (0)

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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)	55
2.5.10 Reason for change	Improved knowledge/more accurate data Use of different method

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
modification of cultivation practices (A02)	high importance (H)	N/A
species composition change (succession) (K02.01)	high importance (H)	N/A
Other urbanisation, industrial and similar activities (E06)	medium importance (M)	N/A
fire and fire suppression (J01)	medium importance (M)	N/A
Outdoor sports and leisure activities, recreational activities (G01)	medium importance (M)	N/A
motorised vehicles (G01.03)	medium importance (M)	N/A
hand collection (F04.02.02)	medium importance (M)	N/A
damage caused by game (excess population density) (F03.01.01)	medium importance (M)	N/A
paths, tracks, cycling tracks (D01.01)	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

2.7 Main Threats

Threat	ranking	pollution qualifier(s)
modification of cultivation practices (A02)	high importance (H)	N/A
motorised vehicles (G01.03)	medium importance (M)	N/A
Other urbanisation, industrial and similar activities (E06)	medium importance (M)	N/A
fire and fire suppression (J01)	medium importance (M)	N/A
paths, tracks, cycling tracks (D01.01)	medium importance (M)	N/A
Outdoor sports and leisure activities, recreational activities (G01)	medium importance (M)	N/A
hand collection (F04.02.02)	low importance (L)	N/A
species composition change (succession) (K02.01)	medium importance (M)	N/A
damage caused by game (excess population density) (F03.01.01)	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

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

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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 550000 max 750000
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)	One-off	high importance (H)	Inside	Maintain Enhance
Other agriculture-related measures (2.0)	Administrative Contractual Recurrent	medium importance (M)	Both	Maintain Enhance Long term Unknown
Specific management of traffic and energy transport systems (8.2)	Administrative Recurrent	low importance (L)	Inside	Maintain
Other species management measures (7.0)	Contractual One-off	medium importance (M)	Inside	Not evaluated

