

Annex B - Bird Species' status and trends report (Article 12)

1. Species information

1.1 Member State	Hungary
1.2 Species code	A092
1.3 EURING code	2980
1.4 Species scientific name	Hieraaetus pennatus
1.5 Subspecific population	
1.6 Alternative species scientific name	
1.7 Common name	törpesas
1.8 Season	Breeding (B)

2. Population size

2.1 Year or period	2013-2018
2.2 Population size	a) Unit number of pairs (p) b) Minimum 0 c) Maximum 1 d) Best single value
2.3 Type of estimate	Best estimate
2.4 Population size Method used	Complete survey or a statistically robust estimate
2.5 Sources	www.birding.hu National park directorates' databases (Annual survey of colonially breeding and strictly protected bird species) http://map.mme.hu/maps/map2
2.6 Change and reason for change (since previous report)	Improved knowledge/more accurate data The change is mainly due to: Improved knowledge/more accurate data
2.7 Additional information	This species is a rare breeder, the population fluctuates between 0-1 (2) pairs and is on the verge of detectability. It seems to be absent for some years but breeding may occur unnoticed.

3. Population trend

3.1 Short-term trend (last 12 years)

3.1.1 Short-term trend Period	2007-2018
3.1.2 Short-term trend Direction	Fluctuating (F)
3.1.3 Short-term trend Magnitude	a) Minimum b) Maximum c) Best single value
3.1.4 Short-term trend Method used	Complete survey or a statistically robust estimate
3.1.5 Sources	www.birding.hu National park directorates' databases (Annual survey of colonially breeding and strictly protected bird species) http://map.mme.hu/maps/map2 MME Ragadozómadár-védelmi Szakosztály (2010): Törpesas (Hieraaetus pennatus) állomány adatok – 2008 / Data on Breeding Populations of Booted

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Eagle – 2008 (In Hungarian with English summary). Heliaca 6: 46.

3.2 Long-term trend (since c. 1980)

3.2.1 Long-term trend Period	1980-2018
3.2.2 Long-term trend Direction	Decreasing (-)
3.2.3 Long-term trend Magnitude	a) Minimum 90 b) Maximum 100 c) Best single value
3.2.4 Long-term Trend Method used	Complete survey or a statistically robust estimate
3.2.5 Sources	Haraszthy László (szerk.) (1984): Magyarország fészkelő madarai. Natura Kiadó, 1984. Magyar, G., Hadarics, T., Waliczky, Z., Schmidt, A., Nagy, T. & Bankovics, A. (1998): Nomenclator avium Hungariae. Magyarország madarainak névjegyzéke. KTM Természetvédelmi Hivatal Madártani Intézete – Magyar Madártani és Természetvédelmi Egyesület – Winter Fair, Budapest – Szeged. P. 202. MME Ragadozómadár-védelmi Szakosztály (2012): Törpesas állomány adatok - 2010 / Booted Eagle population data 2010 (In Hungarian with English summary.) Heliaca 8: 49. National park directorates' databases (Annual survey of colonially breeding and strictly protected bird species) http://map.mme.hu/maps/map2 www.birding.hu

3.3 Additional information

The long-term trend was calculated from the approx. 10 pairs estimated by Haraszthy (1984) for about 1980 and the 0-1 pair estimated for this reporting period.

4. Breeding distribution map and size

4.1 Sensitive species	No
4.2 Year or period	2014-2018
4.3 Breeding distribution map	Yes
4.4 Breeding distribution surface area	100
4.5 Breeding distribution Method used	Complete survey or a statistically robust estimate
4.6 Additional maps	No
4.7 Sources	www.birding.hu National park directorates' databases (Annual survey of colonially breeding and strictly protected bird species) http://map.mme.hu/maps/map2

4.8 Additional information

The map marks the only grid where a pair was probably breeding during two years of the reporting period.

5. Breeding range trend

5.1 Short-term trend (last 12 years)

5.1.1 Short-term trend Period	2007-2018
5.1.2 Short-term trend Direction	Fluctuating (F)

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5.1.3 Short-term trend Magnitude	a) Minimum b) Maximum c) Best single value
5.1.4 Short-term trend Method used	Complete survey or a statistically robust estimate
5.1.5 Sources	www.birding.hu National park directorates' databases (Annual survey of colonially breeding and strictly protected bird species) http://map.mme.hu/maps/map2 MME Ragadozómadár-védelmi Szakosztály (2012): Törpesas állomány adatok - 2010 / Booted Eagle population data 2010 (In Hungarian with English summary.) Heliaca 8: 49. MME Ragadozómadár-védelmi Szakosztály (2010): Törpesas (Hieraaetus pennatus) állomány adatok – 2008 / Data on Breeding Populations of Booted Eagle – 2008 (In Hungarian with English summary). Heliaca 6: 46.

5.2 Long-term trend (since c. 1980)

5.2.1 Long-term trend Period	1980-2018
5.2.2 Long-term trend Direction	Decreasing (-)
5.2.3 Long-term trend Magnitude	a) Minimum 90 b) Maximum 100 c) Best single value 100
5.2.4 Long-term trend Method used	Based mainly on extrapolation from a limited amount of data
5.2.5 Sources	Haraszthy László (szerk.) (1984): Magyarország fészkelő madarai. Natura Kiadó, 1984. Magyar, G., Hadarics, T., Waliczky, Z., Schmidt, A., Nagy, T. & Bankovics, A. (1998): Nomenclator avium Hungariae. Magyarország madarainak névjegyzéke. KTM Természetvédelmi Hivatal Madártani Intézete – Magyar Madártani és Természetvédelmi Egyesület – Winter Fair, Budapest – Szeged. P. 202. MME Ragadozómadár-védelmi Szakosztály (2012): Törpesas állomány adatok - 2010 / Booted Eagle population data 2010 (In Hungarian with English summary.) Heliaca 8: 49. National park directorates' databases (Annual survey of colonially breeding and strictly protected bird species) http://map.mme.hu/maps/map2 www.birding.hu

5.3 Additional information

The long-term trend was calculated assuming that the approx. 10 pairs estimated by Haraszthy (1984) for about 1980 were distributed in 10 ETRS grids.

6. Progress in work related to international Species Action Plans (SAPs), Management Plans (MPs) and Brief Management Statements (BMSs)

6.0 Is/Will the information related to international SAPs, MPs and BMSs (section 6) be provided for the other season for this species?	No
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6.1 Type of international plan	No plan (NA)
6.2 Has a national plan linked to the international SAP/MP/BMS been adopted?	No
6.3 If 'NO', describe any measures and initiatives taken related to the international SAP/MP/BMS	
6.4 Assessment of the effectiveness of SAPs for globally threatened species (Art. 12, Species Action Plans)	()
6.5 Assessment of the effectiveness of MPs for huntable species in non-Secure status (Articles 3 and 7, Management Plans)	()
6.6 Sources of further Information	

7. Main pressures and threats

a) Pressure	b) Ranking	c) location
Removal of old trees (excluding dead or dying trees) (B08)	H	inside the Member State (inMS)
Clear-cutting, removal of all trees (B09)	H	inside the Member State (inMS)

a) Threat	d) Ranking	e) location
Removal of old trees (excluding dead or dying trees) (B08)	H	inside the Member State (inMS)
Clear-cutting, removal of all trees (B09)	H	inside the Member State (inMS)

7.2 Sources of information

7.3 Additional information

8. Main Conservation Measures

8.1 Status of measures	Measures identified and taken
8.2 Main purpose of the measures taken	Increase the population size and/or improve population dynamics (improve reproduction success, reduce mortality, improve age/sex structure)
8.3 Location of the measures	Both inside and outside Natura 2000
8.4 Response to the measures	Long-term results (after 2030)

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8.5 List of main conservation measures

CB05 - Adapt/change forest management and exploitation practices

CB06 - Stop forest management and exploitation practices

8.6 Additional information

9. Natura 2000 (SPAs) coverage

9.1 Population size inside the Natura 2000 (SPA) network

- a) Unit number of pairs (p)
- b) Minimum 0
- c) Maximum 1
- d) Best single value

9.2 Type of estimate

Best estimate

9.3 Population size inside the network Method used

Complete survey or a statistically robust estimate

9.4 Short-term trend of population size within the network Direction

Fluctuating (F)

9.5 Short-term trend of population size within the network Method used

Complete survey or a statistically robust estimate

9.6 Additional information

A madárvédelmi irányelv 12. cikke alapján készített országjelentés 2019.

Törpesas (*Hieraaetus pennatus*)
nem jelölő faj

