

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

1. Species information

1.1 Member State	Hungary
1.2 Species code	A022
1.3 EURING code	980
1.4 Species scientific name	Ixobrychus minutus
1.5 Subspecific population	
1.6 Alternative species scientific name	
1.7 Common name	törpegém
1.8 Season	Breeding (B)

2. Population size

2.1 Year or period	2017-2018
2.2 Population size	a) Unit number of pairs (p) b) Minimum 2500 c) Maximum 3500 d) Best single value
2.3 Type of estimate	Best estimate
2.4 Population size Method used	Based mainly on extrapolation from a limited amount of data
2.5 Sources	KEHOP-4.3.0-15-2016-00001 project results, unpublished.
2.6 Change and reason for change (since previous report)	Improved knowledge/more accurate data Use of different method The change is mainly due to: Improved knowledge/more accurate data
2.7 Additional information	Haraszthy L. (szerk.) (2014): Natura 2000 fajok és élőhelyek Magyarországon. Pro Vértes Közalapítvány, Csákvár. p. 506-508. puts the population between 4000-6000 pairs. New method: Under the KEHOP-4.3.0-15-2016-00001 project in 2017-2018, 530 2.5x2.5 km ² grids were surveyed for a given set of breeding bird species, covering 3.6% of the country. 98 pairs of Ixobrychus minutus were estimated for the 530 grids. Assuming the habitat distribution in the 530 grids is representative of the country, the national population may be estimated at 2752 pairs. This figure was used here as a mean value, providing a range for the estimate, considering also that other, published estimates were higher (3500-6000 or 4000-6000 pairs).

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	Stable (0)
3.1.3 Short-term trend Magnitude	a) Minimum b) Maximum c) Best single value

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3.1.4 Short-term trend Method used	Based mainly on expert opinion with very limited data
3.1.5 Sources	Haraszthy L. (szerk.) (2014): Natura 2000 fajok és élőhelyek Magyarországon. Pro Vértes Közalapítvány, Csákvár. p. 506-508.
3.2 Long-term trend (since c. 1980)	
3.2.1 Long-term trend Period	1980-2018
3.2.2 Long-term trend Direction	Unknown (X)
3.2.3 Long-term trend Magnitude	a) Minimum b) Maximum c) Best single value
3.2.4 Long-term Trend Method used	Insufficient or no data available
3.2.5 Sources	Haraszthy, L. (szerk.) (1998): Magyarország madarai. Mezőgazda Kiadó, Budapest. 441 p. Haraszthy L. (szerk.) (2014): Natura 2000 fajok és élőhelyek Magyarországon. Pro Vértes Közalapítvány, Csákvár. p. 506-508. National park directorates' databases (Annual survey of colonially breeding and strictly protected bird species) http://map.mme.hu/maps/map2
3.3 Additional information	

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	31516
4.5 Breeding distribution Method used	Complete survey or a statistically robust estimate
4.6 Additional maps	No
4.7 Sources	Haraszthy L. (szerk.) (2014): Natura 2000 fajok és élőhelyek Magyarországon. Pro Vértes Közalapítvány, Csákvár. p. 506-508. National park directorates' databases (Annual survey of colonially breeding and strictly protected bird species) http://map.mme.hu/maps/map2
4.8 Additional information	

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	Stable (0)
5.1.3 Short-term trend Magnitude	a) Minimum b) Maximum c) Best single value
5.1.4 Short-term trend Method used	Based mainly on expert opinion with very limited data
5.1.5 Sources	Haraszthy L. (szerk.) (2014): Natura 2000 fajok és élőhelyek Magyarországon. Pro Vértes Közalapítvány, Csákvár. p. 506-508.253 National park directorates' databases (Annual survey of colonially breeding

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and strictly protected bird species)
<http://map.mme.hu/maps/map2>

5.2 Long-term trend (since c. 1980)

5.2.1 Long-term trend Period	1980-2018
5.2.2 Long-term trend Direction	Unknown (X)
5.2.3 Long-term trend Magnitude	a) Minimum b) Maximum c) Best single value
5.2.4 Long-term trend Method used	Insufficient or no data available
5.2.5 Sources	Haraszthy, L. (szerk.) (1998): Magyarország madarai. Mezőgazda Kiadó, Budapest. 441 p. Haraszthy L. (szerk.) (2014): Natura 2000 fajok és élőhelyek Magyarországon. Pro Vértes Közalapítvány, Csákvár. p. 506-508. National park directorates' databases (Annual survey of colonially breeding and strictly protected bird species) http://map.mme.hu/maps/map2

5.3 Additional information

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
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

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a) Pressure	b) Ranking	c) location
Burning for agriculture (A11)	M	inside the Member State (inMS)
Modification of hydrological flow or physical alteration of water bodies for agriculture (excluding development and operation of dams) (A33)	H	inside the Member State (inMS)
Harvesting or collecting of other wild plants and animals (excluding hunting and leisure fishing) (G09)	H	inside the Member State (inMS)
Abstraction of water, flow diversion, dams and other modifications of hydrological conditions for freshwater aquaculture (G20)	H	inside the Member State (inMS)
Droughts and decreases in precipitation due to climate change (N02)	H	inside the Member State (inMS)

a) Threat	d) Ranking	e) location
Burning for agriculture (A11)	M	inside the Member State (inMS)
Modification of hydrological flow or physical alteration of water bodies for agriculture (excluding development and operation of dams) (A33)	H	inside the Member State (inMS)
Harvesting or collecting of other wild plants and animals (excluding hunting and leisure fishing) (G09)	H	inside the Member State (inMS)
Abstraction of water, flow diversion, dams and other modifications of hydrological conditions for freshwater aquaculture (G20)	H	inside the Member State (inMS)
Droughts and decreases in precipitation due to climate change (N02)	H	inside the Member State (inMS)

7.2 Sources of information

Haraszthy L. (szerk.) (2014): Natura 2000 fajok és élőhelyek Magyarországon. Pro Vértés Közalapítvány, Csákvár. p. 506-508.

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

Restore the habitat of the species

8.3 Location of the measures

Both inside and outside Natura 2000

8.4 Response to the measures

Medium-term results (within the next two reporting periods, 2019-2030)

8.5 List of main conservation measures

CA05 - Adapt mowing, grazing and other equivalent agricultural activities

CA15 - Manage drainage and irrigation operations and infrastructures in agriculture

CG10 - Manage water abstraction and modifications of hydrological conditions for freshwater aquaculture

CJ02 - Reduce impact of multi-purpose hydrological changes

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CJ03 - Restore habitats impacted by multi-purpose hydrological changes

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 1000
- c) Maximum 1500
- d) Best single value

9.2 Type of estimate

Best estimate

9.3 Population size inside the network Method used

Based mainly on expert opinion with very limited data

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

Stable (0)

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

Based mainly on expert opinion with very limited data

9.6 Additional information

A madárvédelmi irányelv 12. cikke alapján készített országjelentés 2019.

Törpegém (*Ixobrychus minutus*)
jelölő faj (I. melléklet)

