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

1. Species information

1.1 Member State	Hungary
1.2 Species code	A855
1.3 EURING code	1790
1.4 Species scientific name	Mareca penelope
1.5 Subspecific population	
1.6 Alternative species scientific name	
1.7 Common name	fütyülő réce
1.8 Season	Passage (P)

2. Population size

2.1 Year or period	2015-2018
2.2 Population size	
a) Unit	number of individuals (i)
b) Minimum	8000
c) Maximum	10000
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	Expert opinion Faragó S. (2017): Magyar Vízivad Közlemények No. 29. Soproni Egyetem Kiadó, 304 p. Hungarian Waterfowl Monitoring database
2.6 Change and reason for change (since previous report)	No change The change is mainly due to:
2.7 Additional information	Hungarian Waterfowl Monitoring database 2015-2018: 2000-3000. I considered only months during migration (typically march). This value is very low therefor I corrected the value upwards.

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	Expert opinions Faragó S. (2017): Magyar Vízivad Közlemények No. 29. Soproni Egyetem Kiadó, 304 p. Hungarian Waterfowl Monitoring database

3.2 Long-term trend (since c. 1980)

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3.2.1 Long-tern trend Period	1996-2018	
3.2.2 Long-term trend Direction	Decreasing (-)	
3.2.3 Long-term trend Magnitude	a) Minimum	33
	b) Maximum	56
	c) Best single value	
3.2.4 Long-term Trend Method used	Complete survey or a statistically robust estimate	
3.2.5 Sources	Expert opinions Faragó S. (2006): A vonuló vízivad populációk fenntartásának alapjai Magyarországon. Doktori Értekezés. Mellékletek, 305 p Faragó S. (2017): Magyar Vízivad Közlemények No. 29. Soproni Egyetem Kiadó, 304 p. Hungarian Waterfowl Monitoring database	
3.3 Additional information	In the short-term trend, I checked the Hungarian Waterfowl Monitoring database values between 2007 and 2018. I considered only months during migration. The values are strongly fluctuating. Long-term trend is decreasing. According to Faragó's study (2016) the baseline was 1996 (4505), to what the current Hungarian Waterfowl Monitoring database values (2000-3000) were compared to. I considered only spring and autumn months.	

4. Breeding distribution map and size

4.1 Sensitive species	No
4.2 Year or period	
4.3 Breading distribution map	No
4.4 Breading distribution surface area	
4.5 Breading distribution Method used	
4.6 Additional maps	No
4.7 Sources	
4.8 Additional information	

5. Breeding range trend

5.1 Short-term trend (last 12 years)

5.1.1 Short-term trend Period	
5.1.2 Short-term trend Direction	
5.1.3 Short-term trend Magnitude	a) Minimum
	b) Maximum
	c) Best single value
5.1.4 Short-term trend Method used	
5.1.5 Sources	

5.2 Long-term trend (since c. 1980)

5.2.1 Long-term trend Period	
5.2.2 Long-term trend Direction	
5.2.3 Long-term trend Magnitude	a) Minimum

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	b) Maximum c) Best single value
5.2.4 Long-term trend Method used 5.2.5 Sources 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 intarnational 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 effectivess of SAPs for globally threatened species (Art. 12, Species Action Plans)	()
6.5 Assessment of the effectivess 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
Drainage for use as agricultural land (A31)	M	inside the Member State (inMS)
Hunting (G07)	H	inside the Member State (inMS)
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M	inside the Member State (inMS)
Droughts and decreases in precipitation due to climate change (N02)	H	inside the Member State (inMS)

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a) Threat	d) Ranking	e) location
Drainage for use as agricultural land (A31)	M	inside the Member State (inMS)
Hunting (G07)	H	inside the Member State (inMS)
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M	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

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	Expand the current distribution 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

CA15 - Manage drainage and irrigation operations and infrastructures in agriculture

CG02 - Management of hunting, recreational fishing and recreational or commercial harvesting or collection of plants

CG04 - Control/eradication of illegal killing, fishing and harvesting

CL04 - Other measures related to natural processes

CN01 - Adopt climate change mitigation measures

8.6 Additional information

9. Natura 2000 (SPAs) coverage

9.1 Population size inside the Natura 2000 (SPA) network	**a) Unit**	number of individuals (i)
	b) Minimum	
	c) Maximum	
	d) Best single value	

9.2 Type of estimate

9.3 Population size inside the network Method used

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

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

9.6 Additional information

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10. Information related to Annex II species (Art.7)

10.0 Is/Will the information related to Annex II species (section 10) be provided forthe other season for this species?		No
10.1 Is the species nationally hunted?		No
10.2 Hunting bag	**a) Unit**	number of individuals (i)
	b) Statistics/ quantity taken	*Provide statistics per hunting season or per year (where season is not used) over the reporting period.*

	Season/ Year 1	*Season/ Year 2*	*Season/ Year 3*	*Season/ Year 4*	*Season/ Year 5*	*Season/ Year 6*
Min. *(raw, i.e. not rounded*						
Max. *(raw, i.e. not rounded*						
Unknown	No	No	No	No	No	No

10.3 Hunting bagMethod used	
10.4 Additional information	