

PART B - BIRD SPECIES' STATUS AND TRENDS REPORT FORMAT

1. SPECIES INFORMATION	
1.1 Member State	HU
1.2 Species code	A855
1.3 EURING code	1790
1.4 Species scientific name	<i>Mareca penelope</i>
1.5 Subspecific population	
1.6 Alternative species scientific name (Optional)	
1.7 Common name (Optional)	

2. SEASON	
2.1 Season	Passage
2.2 First time reporting	No
2.3 Additional information	

3. POPULATION SIZE		
3.1 Year or period	2019-2024	
3.2 Population size	a) Unit	number of individuals
	b) Minimum	4000
	c) Maximum	15000
	d) Best single value	–
3.3 Type of estimate	95% confidence interval	
3.4 Population size Method used	Based mainly on extrapolation from a limited amount of data	
3.5 Sources	Calculation using data of MME/BirdLife Hungary's Bird Atlas database (MAP - map.mme.hu) and Hungarian Waterfowl Monitoring (HWM) database 2019-2023. As not all wintering sites are covered by HWM program, values were corrected upwards by a constant calculated by MAP database.	
3.6 Change and reason for change (since previous report)	Is there a change between reporting periods? no, there is no change	
	The change is mainly due to:	
3.7 Additional information (Optional)		

4. POPULATION TREND

4.1 Short-term trend (last 12 years)

4.1.1 Short-term trend Period	2013-2024	
4.1.2 Short-term trend Direction	fluctuating	
4.1.3 Short-term trend Magnitude	a) Minimum	–
	b) Maximum	–
	c) Best single value	–
4.1.4 Short-term trend Method used	Based mainly on extrapolation from a limited amount of data	
4.1.5 Sources	Calculation using data of MME/BirdLife Hungary's Bird Atlas database (map.mme.hu) and Hungarian Waterfowl Monitoring database 1996-2023. As not all wintering sites are covered by the HWM programme, values were corrected upwards by a constant (2x) calculated by MAP database.	

4.2 Long-term trend (since ca. 1980)

4.2.1 Long-term trend Period	1996-2024	
4.2.2 Long-term trend Direction	fluctuating	
4.2.3 Long-term trend Magnitude	a) Minimum	-11
	b) Maximum	233
	c) Best single value	–
4.2.4 Long-term trend Method used	Based mainly on extrapolation from a limited amount of data	
4.2.5 Sources	Hungarian Waterfowl Monitoring database	
4.3 Additional information (Optional)	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 were compared to. We considered only spring and autumn months.	

5. BREEDING DISTRIBUTION MAP AND SIZE

5.1 Sensitive species	–
5.2 Year or period	–
5.3 Breeding distribution map	–
5.4 Breeding distribution size	–
5.5 Breeding distribution Method used	–
5.6 Additional maps (Optional)	–
5.7 Sources	

5.8 Additional information Optional	
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6. BREEDING DISTRIBUTION TREND

6.1 Short-term trend (last 12 years)

6.1.1 Short-term trend Period	–	
6.1.2 Short-term trend Direction	–	
6.1.3 Short-term trend Magnitude	a) Minimum	–
	b) Maximum	–
	c) Best single value	–
6.1.4 Short-term trend Method used	–	
6.1.5 Sources		

6.2 Long-term trend (since ca. 1980)

6.2.1 Long-term trend Period	–	
6.2.2 Long-term trend Direction	–	
6.2.3 Long-term trend Magnitude	a) Minimum	–
	b) Maximum	–
	c) Best single value	–
6.2.4 Long-term trend Method used	–	
6.2.5 Sources		

6.3 Additional information Optional	
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7. MAIN PRESSURES AND THREATS

7.1 Characterisation of pressures

Pressure	Timing	Scope (proportion of population affected)	Influence (on population or habitat of the species)	Location (where the pressure is primarily operating)	Invasive alien species of Union concern	Other invasive alien species
PA22	ongoing and likely to be in the future	majority 50 – 90%	Medium influence	inside the Member State		
PG11	ongoing and likely to be in the future	whole >90%	High influence	inside the Member State		
PJ03	ongoing and likely to be in the future	majority 50 – 90%	High influence	inside the Member State		
PM07	ongoing and likely to be in the future	minority <50%	Medium influence	inside the Member State		

7.2 Methods used (Optional)	Based mainly on extrapolation from a limited amount of data
7.3 Sources of information (Optional)	Szép et. al (2022): Bird Atlas of Hungary (https://mme.hu/madaratlasz)
7.4 Additional information (Optional)	

8. CONSERVATION MEASURES

8.1 Status of measures	Are measures needed? No
8.2 Scope of measures taken	–
8.3 Main purpose of the measures taken	–
8.4 Location of the measures	–
8.5 Response to the measures (when the measures start to neutralize the pressure(s) and produce positive effects)	–
8.6 List of main conservation measures	–
8.7 Additional information Optional	

9. NATURA 2000 (SPECIAL PROTECTION AREAS (SPAS)) COVERAGE

9.1 Population size inside the Natura 2000 (Special Protection Area (SPA)) network (on national level including all sites where the species is present)	a) Unit	–
	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 (Optional)		

10. PROGRESS IN WORK RELATED TO INTERNATIONAL SPECIES ACTION PLANS (SAPS), MANAGEMENT PLANS (MPs) AND BRIEF MANAGEMENT STATEMENTS (BMSs)

10.1 Type of international plan	–
10.2 Has a national plan linked to the international Species Action Plan (SAP) / Management Plan (MP) / Brief Management Statement (BMS) been adopted?	–
10.3 Assessment of the effectiveness of Species Action Plans (SAPs) for globally threatened species	–
10.4 Assessment of the effectiveness of Management Plans (MPs) for huntable species in non-Secure status	–
10.5 Sources of further information	–

11. INFORMATION RELATED TO ANNEX II SPECIES OF DIRECTIVE 2009/147/EC

11.1 Is the species nationally hunted?	No						
11.2 Hunting bag	a) Unit	Individuals					
	b) Season (optional)	–					
	c) Statistics / numbers (in individuals)	<i>Provide statistics per hunting season or per year (where season is not used) over the reporting period.</i>					
		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	–	–	–	–	–	–
11.3 Hunting bag Method used	–						
11.4 Additional information Optional							