

## PART B - BIRD SPECIES' STATUS AND TRENDS REPORT FORMAT

1. SPECIES INFORMATION	
1.1 Member State	HU
1.2 Species code	A067
1.3 EURING code	2180
1.4 Species scientific name	<i>Bucephala clangula</i>
1.5 Subspecific population	
1.6 Alternative species scientific name (Optional)	
1.7 Common name (Optional)	

  

2. SEASON	
2.1 Season	Winter
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	2500
	c) Maximum	7000
	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? yes, due to genuine change	
	The change is mainly due to: genuine change	
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	increasing	
4.1.3 Short-term trend Magnitude	a) Minimum	67
	b) Maximum	110
	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	decreasing	
4.2.3 Long-term trend Magnitude	a) Minimum	-33
	b) Maximum	-24
	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)	The baseline (1996) was 1687-5182 specimen; and 762-1656 counted on waterbird monitoring sites in 2012-2013, which was doubled to cover the national population.	

## 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	

## 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

## 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
<b>PG11</b>	ongoing and likely to be in the future	whole >90%	Medium influence	inside the Member State		
<b>PJ03</b>	ongoing and likely to be in the future	majority 50 – 90%	High influence	inside the Member State		
<b>PL06</b>	in the past but now suspended due to measures	–	–	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)	
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## 8. CONSERVATION MEASURES

8.1 Status of measures	Are measures needed? Yes Status of measures: Most/all of measures identified have been taken
8.2 Scope of measures taken	majority 50 - 90%
8.3 Main purpose of the measures taken	A. Indicate the main purpose(s) of measures taken: Maintain current distribution, population and/or habitat for the species B. The main (primary) purpose: Maintain current distribution, population and/or habitat for the species
8.4 Location of the measures	Both inside and outside Natura 2000
8.5 Response to the measures (when the measures start to neutralize the pressure(s) and produce positive effects)	Medium-term response (within the next two reporting periods)
8.6 List of main conservation measures	MG02 MJ01 MK02
8.7 Additional information Optional	Szép T. et al. (szerk.) 2022. Magyarország madáratlasza. 2., javított és kiegészített kiadás. – Agrárminisztérium, MME, Budapest. <a href="http://madaratlasz.mme.hu">madaratlasz.mme.hu</a>

## 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	number of individuals
	b) Minimum	2200
	c) Maximum	6500
	d) Best single value	–
9.2 Type of estimate	95% confidence interval	
9.3 Population size inside the network Method used	Based mainly on extrapolation from a limited amount of data	
9.4 Short-term trend of population size within the network Direction	fluctuating	
9.5 Short-term trend of population size within the network Method used	Based mainly on extrapolation from a limited amount of data	

9.6 Additional information (Optional)	The population size was calculated using the coverage rate (based on maximum detected specimen/UTM squares, in the MAP database of the BirdLife Hungary), based on the national population. The coverage of SPAs is 93%.
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## 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							

