

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

## 1. Species information

|   |                  |
|---|------------------|
| 1.1 Member State                        | Hungary          |
| 1.2 Species code                        | A889             |
| 1.3 EURING code                         | 1820             |
| 1.4 Species scientific name             | Mareca strepera  |
| 1.5 Subspecific population              |                  |
| 1.6 Alternative species scientific name |                  |
| 1.7 Common name                         | kendermagos 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)<br>b) Minimum 3220<br>c) Maximum 6300<br>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 opinions<br>Faragó S. (2017): Magyar Vízivad Közlemények No. 29. Soproni Egyetem Kiadó, 304 p.<br>Hungarian Waterfowl Monitoring database<br>National Park Directorates' databases                           |
| 2.6 Change and reason for change (since previous report) | No change<br>The change is mainly due to:   |
| 2.7 Additional information                               | Hungarian Waterfowl Monitoring database 2015-2018: 2300-4500. I considered only months during migration. Considering that many wetland areas are not covered by this program, I corrected the value upwards by 40%. |

## 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   | Increasing (+)  |
| 3.1.3 Short-term trend Magnitude   | a) Minimum 18<br>b) Maximum 133<br>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<br>Faragó S. (2017): Magyar Vízivad Közlemények No. 29. Soproni Egyetem Kiadó, 304 p.<br>Hungarian Waterfowl Monitoring database<br>National Park Directorates' databases |

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### 3.2 Long-term trend (since c. 1980)

|                                   |   |
|-----------------------------------|---|
| 3.2.1 Long-term trend Period      | 1996-2018   |
| 3.2.2 Long-term trend Direction   | Increasing (+)  |
| 3.2.3 Long-term trend Magnitude   | a) Minimum 3438<br>b) Maximum 6823<br>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<br>Faragó S. (2006): A vonuló vízivad populációk fenntartásának alapjai Magyarországon. Doktori Értekezés. Mellékletek, 305 p.<br>Faragó S. (2017): Magyar Vízivad Közlemények No. 29. Soproni Egyetemi Kiadó, 304 p.<br>Hungarian Waterfowl Monitoring database<br>National Park Directorates' databases |

### 3.3 Additional information

Short-term trend is based on Hungarian Waterfowl Monitoring database 2007-2018. I considered only the migration months. Hungarian Waterfowl Monitoring database 2015-2018: 2300-4500. Between 2007 and 2018 the trend is increasing. The baseline was 2007, when 1924 gadwall wintered in the country. This value (1924) was the baseline, to what the current Hungarian Waterfowl Monitoring database values (2300-4500) were compared to. Faragó's study (2017) also determined short-term decline. Long-term trend is decreasing. According to Faragó's study (2016) the baseline was 1996 (65), to what the current Hungarian Waterfowl Monitoring database values (2300-4500) were compared to. I considered only spring and autumn months. Faragó's study (2017) also determined long-term decline.

## 4. Breeding distribution map and size

|  |    |
|--|----|
| 4.1 Sensitive species                  | No |
| 4.2 Year or period                     |    |
| 4.3 Breeding distribution map          | No |
| 4.4 Breeding distribution surface area |    |
| 4.5 Breeding 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<br>b) Maximum<br>c) Best single value |
| 5.1.4 Short-term trend Method used |  |
| 5.1.5 Sources                      |  |

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### 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

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 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

Mowing or cutting of grasslands (A08)

M

inside the Member State (inMS)

Freshwater fish and shellfish harvesting (professional) (G05)

H

inside the Member State (inMS)

Hunting (G07)

M

inside the Member State (inMS)

Other invasive alien species (other than species of Union concern) (I02)

M

inside the Member State (inMS)

Physical alteration of water bodies (K05)

H

inside the Member State (inMS)

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| Interspecific relations (competition, predation, parasitism, pathogens) (L06) | M          | inside the Member State (inMS) |
|---|------------|--------------------------------|
| Droughts and decreases in precipitation due to climate change (N02)           | M          | inside the Member State (inMS) |
| a) Threat   | d) Ranking | e) location                    |
| Mowing or cutting of grasslands (A08)   | M          | inside the Member State (inMS) |
| Freshwater fish and shellfish harvesting (professional) (G05)                 | H          | inside the Member State (inMS) |
| Hunting (G07)   | M          | inside the Member State (inMS) |
| Other invasive alien species (other than species of Union concern) (I02)      | M          | inside the Member State (inMS) |
| Physical alteration of water bodies (K05)                                     | 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)           | M          | 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

☑ Maintain the current distribution, population and/or habitat for 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

CG01 - Management of professional/commercial fishing (including shellfish and seaweed harvesting)

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

CG03 - Reducing the impact of (re-) stocking for fishing and hunting, of artificial feeding and predator control

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

CI03 - Management, control or eradication of other invasive alien species

CJ02 - Reduce impact of multi-purpose hydrological changes

CN01 - Adopt climate change mitigation measures

### 8.6 Additional information

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### 9. Natura 2000 (SPAs) coverage

9.1 Population size inside the Natura 2000 (SPA) network

- a) Unit number of individuals (i)  
 b) Minimum 2576  
 c) Maximum 5040  
 d) Best single value

9.2 Type of estimate

Best estimate

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

Increasing (+)

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

80% of the passage population.

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

10.0 Is/Will the information related to Annex II species (section 10) be provided for the 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/<br>Year 1 | Season/<br>Year 2 | Season/<br>Year 3 | Season/<br>Year 4 | Season/<br>Year 5 | Season/<br>Year 6 |
|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|                   |                   |                   |                   |                   |                   |
|                   |                   |                   |                   |                   |                   |
|                   |                   |                   |                   |                   |                   |
| No                | No                | No                | No                | No                | No                |

10.3 Hunting bag Method used

10.4 Additional information