

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

| 1. SPECIES INFORMATION                             |                      |
|--|----------------------|
| 1.1 Member State                                   | HU                   |
| 1.2 Species code                                   | A059                 |
| 1.3 EURING code                                    | 1980                 |
| 1.4 Species scientific name                        | <i>Aythya ferina</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  | 750                   |
|  | c) Maximum  | 4500                  |
|  | 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?<br>no, there is no change  |                       |
|  | The change is mainly due to:  |                       |
| 3.7 Additional information (Optional)                    |   |                       |

| <b>4. POPULATION TREND</b>            |  |     |
|---------------------------------------|--|-----|
| 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       | decreasing   |     |
| 4.2.3 Long-term trend Magnitude       | a) Minimum   | -81 |
|                                       | b) Maximum   | -25 |
|                                       | 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 2009-2998 specimen; and for short term trend 424-467 counted on waterbird monitoring sites, which was doubled to cover the national population.  |     |

| <b>5. BREEDING DISTRIBUTION MAP AND SIZE</b> |   |
|--|---|
| 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>PA02</b> | ongoing and likely to be in the future | majority 50 – 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>PA22</b> | ongoing and likely to be in the future | majority 50 – 90%                         | Medium influence                                    | inside the Member State                              |   |                              |
| <b>PG06</b> | ongoing and likely to be in the future | majority 50 – 90%                         | High influence                                      | inside the Member State                              |   |                              |

|                                       |  |   |                  |                         |  |  |
|---------------------------------------|--|---|------------------|-------------------------|--|--|
| <b>PG09</b>                           | ongoing and likely to be in the future | minority <50%   | Medium influence | inside the Member State |  |  |
| <b>PG11</b>                           | ongoing and likely to be in the future | whole >90%  | Medium influence | inside the Member State |  |  |
| <b>PL06</b>                           | ongoing and likely to be in the future | majority 50 – 90%   | High 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 ( <a href="https://mme.hu/madaratlasz">https://mme.hu/madaratlasz</a> ) |                  |                         |  |  |
| 7.4 Additional information (Optional) |  |   |                  |                         |  |  |

## 8. CONSERVATION MEASURES

|   |  |
|---|--|
| 8.1 Status of measures  | <p>Are measures needed?</p> <p>Yes</p> <p>Status of measures:</p> <p>Most/all of measures identified have been taken</p>   |
| 8.2 Scope of measures taken   | majority 50 - 90%  |
| 8.3 Main purpose of the measures taken  | <p>A. Indicate the main purpose(s) of measures taken:</p> <p>Restore habitat of the species</p> <p>B. The main (primary) purpose:</p> <p>Restore habitat of the species</p>                  |
| 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  | MA05<br>MA11<br>MA13<br>MG01<br>MG02<br>MI02<br>MJ01<br>MJ02<br>MK02<br>MM04   |
| 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)) | a) Unit    | number of individuals |
|  | b) Minimum | 700                   |

|   |  |      |
|---|--|------|
| network<br>(on national level including<br>all sites where the species is<br>present) | c) Maximum   | 4000 |
|   | d) Best single<br>value  | –    |
| 9.2 Type of estimate  | 95% confidence interval  |      |
| 9.3 Population size inside the<br>network<br>Method used                              | Based mainly on extrapolation from a limited amount of data  |      |
| 9.4 Short-term trend of<br>population size within the<br>network<br>Direction         | increasing   |      |
| 9.5 Short-term trend of<br>population size within the<br>network<br>Method used       | Based mainly on extrapolation from a limited amount of data  |      |
| 9.6 Additional information<br>(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 89%. |      |

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

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

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

|   |                         |  |
|---|-------------------------|--|
| 11.1 Is the species<br>nationally hunted? | No                      |  |
| 11.2 Hunting bag                          | a) Unit                 | Individuals  |
|   | b) Season<br>(optional) | –  |
|   | c)<br>Statistics /      | <i>Provide statistics per hunting season or per year (where season is not used) over the reporting period.</i> |

|  | numbers<br>(in<br>individuals<br>) | Season/<br>year 1 | Season/<br>year 2 | Season/<br>year 3 | Season/<br>year 4 | Season/<br>year 5 | Season/<br>year 6 |
|--|------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|  | Min. (raw,<br>i.e. not<br>rounded) | –                 | –                 | –                 | –                 | –                 | –                 |
|  | Max. (raw,<br>i.e. not<br>rounded) |                   |                   |                   |                   |                   |                   |
|  | Unknown                            | –                 | –                 | –                 | –                 | –                 | –                 |
| 11.3 Hunting bag<br>Method used            | –                                  |                   |                   |                   |                   |                   |                   |
| 11.4 Additional<br>information<br>Optional |                                    |                   |                   |                   |                   |                   |                   |