

# REPORT ON THE 'MAIN RESULTS OF THE SURVEILLANCE UNDER ARTICLE 17' FOR ANNEX II, IV AND V SPECIES OF DIRECTIVE 92/43/EEC

## NATIONAL LEVEL

### 1. GENERAL INFORMATION

|  |                               |
|--|-------------------------------|
| 1.1 Member State                                   | HU                            |
| 1.2 Species code                                   | 1832                          |
| 1.3 Species scientific name                        | <i>Caldesia parnassifolia</i> |
| 1.4 Alternative species scientific name (Optional) |                               |
| 1.5 Common name (Optional)                         | szíveslevelű hídör            |

### 2. MAPS

*Distribution of the species within the Member State concerned.*

|                                       |                                   |
|---------------------------------------|-----------------------------------|
| 2.1 Sensitive species                 | No                                |
| 2.2 Year or period                    | 2019–2024                         |
| 2.3 Distribution map                  | No                                |
| 2.4 Distribution map Method used      | Insufficient or no data available |
| 2.5 Additional maps (Optional)        | –                                 |
| 2.6 Additional information (Optional) | –                                 |

### 3. INFORMATION RELATED TO ANNEX V SPECIES (ART. 14 OF DIRECTIVE 92/43/EEC)

|   |   |   |
|---|---|---|
| 3.1 Is the species taken in the wild/exploited?   | No  |   |
| 3.2 Are measures needed for the species (only for species in favourable conservation status)? | No  |   |
| 3.3 Which of the measures in Art. 14 have been taken?   | a) regulations regarding access to property   | – |
|   | b) temporary or local prohibition of the taking of specimens in the wild and exploitation | – |
|   | c) regulation of the periods and/or methods of taking specimens                           | – |

|  |   |  |                |                |                |                |                |
|--|---|--|----------------|----------------|----------------|----------------|----------------|
|  | d) application of hunting and fishing rules which take account of the conservation of such populations      | –  |                |                |                |                |                |
|  | e) establishment of a system of licences for taking specimens or of quotas                                  | –  |                |                |                |                |                |
|  | f) regulation of the purchase, sale, offering for sale, keeping for sale or transport for sale of specimens | –  |                |                |                |                |                |
|  | g) breeding in captivity of animal species as well as artificial propagation of plant species               | –  |                |                |                |                |                |
|  | h) other measures, if yes, describe   | –  |                |                |                |                |                |
|  |   |  |                |                |                |                |                |
| 3.4 Hunting bag or quantity taken in the wild regardless of conservation status - for Mammals and Acipenseridae (Fish) | a) Unit   | –  |                |                |                |                |                |
|  | b) Statistics/ quantity taken   | <i>Provide statistics/quantity taken 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   | –  | –              | –              | –              | –              | –              |
| 3.5 Hunting bag or quantity taken in the wild Method used  | –   |  |                |                |                |                |                |
| 3.6 Additional information (Optional)  | –   |  |                |                |                |                |                |

## BIOGEOGRAPHICAL LEVEL

*Complete for each biogeographical region or marine region concerned.*

### 4. BIOGEOGRAPHICAL AND MARINE REGIONS

|   |                  |
|---|------------------|
| 4.1 Biogeographical or marine region where the species occurs | <b>Pannonian</b> |
| 4.2 First time reporting                                      | No               |
| 4.3 Additional information                                    | –                |
| 4.4 Sources of information                                    | –                |

### 5. RANGE

*Range within the biogeographical/marine region concerned.*

|   |  |
|---|--|
| 5.1 Surface area (km <sup>2</sup> )                                       | 200  |
| 5.2 Change and reason for change in surface area of range and main reason | Is there a change between reporting periods?<br>no, there is no change |
|   | The change is mainly due to:   |

|   |   |   |
|---|---|---|
| 5.3 Short-term trend Period                                 | 2013–2024   |   |
| 5.4 Short-term trend Direction                              | unknown   |   |
| 5.5 Short-term trend Magnitude (Optional)                   | a) Estimated Minimum  | –   |
|   | b) Estimated Maximum  | –   |
|   | c) Pre-defined range  | –   |
|   | d) Unknown  | –   |
| 5.6. Short-term trend Magnitude Type of estimate (Optional) | –   |   |
| 5.7 Short-term trend Method used                            | Insufficient or no data available   |   |
| 5.8 Long-term trend Period (Optional)                       | –   |   |
| 5.9 Long-term trend Direction (Optional)                    | –   |   |
| 5.10 Long-term trend Magnitude (Optional)                   | a) Minimum  | –   |
|   | b) Maximum  | –   |
| 5.11 Long-term trend Method used (Optional)                 | –   |   |
| 5.12 Favourable reference range                             | a) –  |   |
|   | b) <i>if a precise favourable reference range is unknown indicate if the range is:</i><br>between 51% and 100% smaller than the FRR |   |
|   | c) –  |   |
|   | d) <i>Indicate method used to set reference value (multiple methods can be chosen)</i>  | <i>Indicate the quality of information available:</i> |
|   | Reference-based approach  | Low   |
| 5.13 Range when Directive came into force (Optional)        | –   |   |
| 5.14 Additional information (Optional)                      | –   |   |

## 6. POPULATION

*Population within the biogeographical/marine region concerned.*

|   |                      |                                  |
|---|----------------------|----------------------------------|
| 6.1 Year or period                      | 2019–2024            |                                  |
| 6.2 Population size (in reporting unit) | a) Unit              | area covered by population in m2 |
|   | b) Minimum           | –                                |
|   | c) Maximum           | –                                |
|   | d) Best single value | 0                                |

|   |  |         |
|---|--|---------|
|   | e) Class   |         |
| 6.3 Type of estimate  | Best estimate  |         |
| 6.4 Quality of extrapolation to reporting unit (Optional)                                   | –  |         |
| 6.5 Additional population size (using population unit other than reporting unit) (Optional) | a) Unit  | –       |
|   | b) Minimum   | –       |
|   | c) Maximum   | –       |
|   | d) Best single value   | –       |
| 6.6 Type of estimate (Optional)   | –  |         |
| 6.7 Population size Method used   | Insufficient or no data available                                      |         |
| 6.8 Change and reason for change in population size and main reason                         | Is there a change between reporting periods?<br>no, there is no change |         |
|   | The change is mainly due to:   |         |
| 6.9 Short-term trend Period   | 2013–2024  |         |
| 6.10 Short-term trend Direction   | unknown  |         |
| 6.11 Short-term trend Magnitude   | a) Estimated Minimum   | –       |
|   | b) Estimated Maximum   | –       |
|   | c) Pre-defined range   | –       |
|   | d) Unknown   | Unknown |
| 6.12 Short-term trend Magnitude Type of estimate  | Best estimate  |         |
| 6.13 Short-term trend Method used   | Insufficient or no data available                                      |         |
| 6.14 Long-term trend Period (Optional)  | –  |         |
| 6.15 Long-term trend Direction (Optional)   | –  |         |
| 6.16 Long-term trend Magnitude (Optional)   | a) Minimum   | –       |
|   | b) Maximum   | –       |
|   | c) Confidence interval   | –       |
| 6.17 Long-term trend Method used (Optional)   | –  |         |
| 6.18 Favourable reference population  | <i>a) Population size (with unit):</i>                                 |         |

|  |   |  |
|--|---|--|
|  | <p><i>b) if a precise favourable reference population is unknown indicate if the population is:</i><br/>between 51% and 100% smaller than the FRP</p> |  |
|  | <p><i>c) Indicate if favourable reference population is unknown:</i><br/>–</p>  |  |
|  | <p><i>d) Indicate method used to set reference value (multiple methods can be chosen)</i></p>   | <p><i>Indicate the quality of information available:</i></p> |
|  | Reference-based approach  | Low  |
| 6.19 Population size when Directive came into force (Optional) | –   |  |
| 6.20 Additional Information (Optional)                         |   |  |

## 7. HABITAT FOR THE SPECIES

|  |   |  |
|--|---|--|
| 7.1 Sufficiency of area and quality of occupied habitat                | <p>a) Is area of occupied habitat sufficient (for long-term survival)?<br/>No</p> <p>b) Is quality of occupied habitat sufficient (for long-term survival)?<br/>No</p> <p>c) If NO to a) is there a sufficiently large area of unoccupied habitat of suitable quality (for long-term survival)?<br/>Unknown</p> |  |
| 7.2 Sufficiency of area and quality of occupied habitat<br>Method used | <p>Area of habitat:<br/>Based mainly on extrapolation from a limited amount of data</p>   | <p>Quality of habitat:<br/>Based mainly on extrapolation from a limited amount of data</p> |
| 7.3 Short-term trend<br>Period   | 2013–2024   |  |
| 7.4 Short-term trend<br>Direction                                      | unknown   |  |
| 7.5 Short-term trend<br>Method used                                    | Based mainly on extrapolation from a limited amount of data   |  |
| 7.6 Long-term trend<br>Period (Optional)                               | –   |  |
| 7.7 Long-term trend<br>Direction (Optional)                            | –   |  |
| 7.8 Long-term trend<br>Method used (Optional)                          | –   |  |
| 7.9 Additional information (Optional)                                  | –   |  |

## 8. MAIN PRESSURES AND THREATS

### 8.1 Characterisation of pressures

| Pressure  | Timing                                 | Scope (proportion of population affected) | Influence (on population or habitat of the species) | Invasive alien species of Union concern | Other invasive alien species |
|---|--|---|---|---|------------------------------|
| <b>PJ01</b><br>Climate change - Temperature changes and extremes  | ongoing and likely to be in the future | whole >90%                                | High influence                                      |   |                              |
| <b>PJ03</b><br>Climate change - Changes in precipitation regimes  | ongoing and likely to be in the future | whole >90%                                | High influence                                      |   |                              |
| <b>PK01</b><br>Pollution - Mixed source pollution to surface and ground waters (limnic and terrestrial) | ongoing and likely to be in the future | whole >90%                                | High influence                                      |   |                              |
| <b>PL01</b><br>Water regimes - Abstraction from groundwater, surface water or mixed water               | ongoing and likely to be in the future | whole >90%                                | High influence                                      |   |                              |
| <b>PL02</b><br>Water regimes - Drainage   | ongoing and likely to be in the future | whole >90%                                | High influence                                      |   |                              |
| 8.2 Methods used (Optional)   | —                                      |   |   |   |                              |
| 8.3 Sources of information (Optional)   | —                                      |   |   |   |                              |
| 8.4 Additional information (Optional)   | —                                      |   |   |   |                              |

## 9. CONSERVATION MEASURES

|  |  |
|--|--|
| 9.1 Status of measures                 | <p>Are measures needed?</p> <p>Yes</p> <p>Status of measures:</p> <p>Measures identified, but none yet taken</p> |
| 9.2 Scope of measures taken            | —  |
| 9.3 Main purpose of the measures taken | —  |
|  | —  |
| 9.4 Location of the measures taken     | —  |

|   |   |
|---|---|
| 9.5 Response to the measures<br><i>(when the measures start to neutralize the pressure(s) and produce positive effects)</i> | –   |
| 9.6 List of main conservation measures  | MJ01 – Implement climate change mitigation measures<br>MK01 – Reduce impact of mixed source pollution<br>MM01 – Management of habitats (others than agriculture and forest) to slow, stop or reverse natural processes that occur without direct or indirect influence from human activities or climate change<br>MM04 – Other measures related to natural processes<br>MS01 – Reinforce populations of species from the directives<br>MS03 – Restoration of habitat of species from the directives |
| 9.7 Additional information (Optional)   | –   |

## 10. FUTURE PROSPECTS

|  |                           |     |
|--|---------------------------|-----|
| 10.1 Future prospects of parameters    | a) Range                  | Bad |
|  | b) Population             | Bad |
|  | c) Habitat of the species | Bad |
| 10.2 Additional information (Optional) | –                         |     |

## 11. CONCLUSIONS

### *Assessment of conservation status at end of reporting period*

|   |   |                            |
|---|---|----------------------------|
| 11.1 Range  | Bad (U2)  |                            |
| 11.2 Population   | Bad (U2)  |                            |
| 11.3 Habitat for the species  | Bad (U2)  |                            |
| 11.4 Future prospects   | Bad (U2)  |                            |
| 11.5 Overall assessment of Conservation Status  | Bad (U2)  |                            |
| 11.6 Overall trend in Conservation Status   | unknown   |                            |
| 11.7 Change and reasons for change in conservation status and conservation status trend | Overall assessment of conservation status (11.5)  |                            |
|   | <i>Indicate whether there is a change from the previous reporting round and (if yes) the nature of that change.</i> | no, there is no difference |
|   | <i>The change is mainly due to:</i>   |                            |
|   | Overall trend in conservation status (11.6)   |                            |

|  |   |                                      |
|--|---|--------------------------------------|
|  | <i>Indicate whether there is a change from the previous reporting round and (if yes) the nature of that change.</i> | yes, but nature of change is unknown |
|  | <i>The change is mainly due to:</i>   | unknown                              |
| 11.8 Additional information (Optional) | –   |                                      |

## 12. NATURA 2000 (PROPOSED SITES OF COMMUNITY IMPORTANCE (PSCIs), SITES OF COMMUNITY IMPORTANCE (SCIs) AND SPECIAL AREAS OF CONSERVATION (SACs) COVERAGE FOR ANNEX II SPECIES OF DIRECTIVE 92/43/EEC

|   |                                   |                                  |
|---|-----------------------------------|----------------------------------|
| 12.1 Population size inside the pSCIs, SCIs and SACs network (on the biogeographical/marine level including all sites where the species is present) | a) Unit                           | area covered by population in m2 |
|   | b) Minimum                        | –                                |
|   | c) Maximum                        | –                                |
|   | d) Best single value              | 0                                |
| 12.2 Type of estimate   | <b>Best estimate</b>              |                                  |
| 12.3 Additional population size (using population unit other than reporting unit in field 6.2) (Optional)   | a) Unit                           | –                                |
|   | b) Minimum                        | –                                |
|   | c) Maximum                        | –                                |
|   | d) Best single value              | –                                |
| 12.4 Type of estimate (Optional)  | –                                 |                                  |
| 12.5 Population size inside the network<br>Method used  | Insufficient or no data available |                                  |
| 12.6 Short-term trend of population size within the network<br>Direction  | unknown                           |                                  |
| 12.7 Short-term trend of population size within the network<br>Method used  | Insufficient or no data available |                                  |

|  |                                   |
|--|-----------------------------------|
| 12.8 Short-term trend of habitat for the species within the network<br>Direction   | unknown                           |
| 12.9 Short-term trend of habitat for the species within the network<br>Method used | Insufficient or no data available |
| 12.10 Additional information (Optional)  | –                                 |

### 13. COMPLEMENTARY INFORMATION

|   |   |
|---|---|
| 13.1 Justification of % thresholds for trends | – |
| 13.2 Trans-boundary assessment                | – |
| 13.3 Other relevant information               | – |