# Report on the main results of the surveillance under Article 11 for Annex II, IV and V species (Annex B)

## NATIONAL LEVEL

## 1. General information

| | |
|---|---|
| 1.1 Member State | **HU** |
| 1.2 Species code | **1993** |
| 1.3 Species scientific name | **Triturus dobrogicus** |
| 1.4 Alternative species scientific name | |
| 1.5 Common name (in national language) | dunai tarajosgőte |

## 2. Maps

| | |
|---|---|
| 2.1 Sensitive species | No |
| 2.2 Year or period | 2013-2018 |
| 2.3 Distribution map | Yes |
| 2.4 Distribution map Method used | Based mainly on extrapolation from a limited amount of data |
| 2.5 Additional maps | No |

## 3. Information related to Annex V Species (Art. 14)

| | | |
|---|---|---|
| 3.1 Is the species taken in the wild/exploited? | | No |
| 3.2 Which of the measures in Art. 14 have been taken? | a) regulations regarding access to property | No |
| | b) temporary or local prohibition of the taking of specimens in the wild and exploitation | No |
| | c) regulation of the periods and/or methods of taking specimens | No |
| | d) application of hunting and fishing rules which take account of the conservation of such populations | No |
| | e) establishment of a system of licences for taking specimens or of quotas | No |
| | f) regulation of the purchase, sale, offering for sale, keeping for sale or transport for sale of specimens | No |
| | g) breeding in captivity of animal species as well as artificial propagation of plant species | No |
| | h) other measures | No |

# Report on the main results of the surveillance under Article 11 for Annex II, IV and V species (Annex B)

3.3 Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish)

a) Unit

| b) Statistics/ quantity taken | Provide statistics/quantity per hunting season or per year (where season is not used) over the reporting period | | | | | |
|---|---|---|---|---|---|---|
| | Season/ year 1 | Season/ year 2 | Season/ year 3 | Season/ year 4 | Season/ year 5 | Season/ year 6 |
| Min. (raw, ie. not rounded) | | | | | | |
| Max. (raw, ie. not rounded) | | | | | | |
| Unknown | No | No | No | No | No | No |

3.4. Hunting bag or quantity taken in the wild Method used

3.5. Additional information

## BIOGEOGRAPHICAL LEVEL

## 4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

**Pannonian (PAN)**

4.2 Sources of information

Vörös J, Kiss I, Puky M (2015): Conservation and decline of amphibians in Hungary In: Heatwole H, Wilkinson J W Amphibian Biology, Volume 11, Part 4: Status of Conservation and Decline of Amphibians: Eastern Hemisphere: Southern Europe & Turkey. 172 p. Exeter: Pelagic Publishing, 2015. pp. 99-130.

Judit Vörös Peter Mikulíček Ágnes Major Ernesto Recuero Jan W. Arntzen (2016): Phylogeographic analysis reveals northerly refugia for the riverine amphibian Triturus dobrogicus (Caudata: Salamandridae). Biological Journal of the Linnean Society, Vol.119, (4), pp: 974–991.

Wielstra B, Vörös J, Arntzen J W (2016): Is the Danube crested newt Triturus dobrogicus polytypic? A review and new nuclear DNA data. AMPHIBIA-REPTILIA 37:(2) pp. 167-177.

Ben Wielstra, Judit Vörös and Jan W. Arntzen (2016): Is the Danube crested newt Triturus dobrogicus polytypic? A review and new nuclear DNA data. Amphibia-Reptilia.Vol. 37. (2)

# Report on the main results of the surveillance under Article 11 for Annex II, IV and V species (Annex B)

Vörös, Judit, Mikulíček, Peter, Major, Ágnes, Recuero, Ernesto, and Arntzen, Jan W. ( 2016): "Phylogeographic analysis reveals northerly refugia for the riverine amphibian Triturus dobrogicus(Caudata: Salamandridae)" Biological Journal of the Linnean Society Vol. 119, No. 4, pp 974.

Mester, Béla (2017) A zeleméri Mély-völgy herpetofaunája és védelme. CALANDRELLA, 17-18. pp. 64-69.

Mester Béla, Szabolcs Márton, Szalai Mónika, Tóth Mihály, Mérő Thomas Oliver, Szepesváry Csaba, Polyák László, Puky Miklós és Lengyel Szabolcs (2017): Az Egyek-pusztakócsi mocsarak (Hortobágyi Nemzeti Park) kétéltűfaunája. Természetvédelmi Közlemények 23, pp. 50–67.

Péntek Attila László, Halpern Bálint és Vörös Judit (2018): A turjánvidék herpetofaunája. Természetvédelem és kutatás a Turjánvidék északi részén. Rosalia (10) pp. 893–914.

https://herpterkep.mme.hu/

A Nemzeti Biodiverzitás-Monitorozó Rendszer Keretében 2013-2018 Között Végzett Felmérések Kutatási Jelentései_ _(Monitoring Reports (2013-2018) Of Hungarian Biodiversity Monitoring System)

## 5. Range

| | |
|---|---|
| 5.1 Surface area | 34842 |
| 5.2 Short-term trend Period | 2007-2018 |
| 5.3 Short-term trend Direction | Stable (0) |
| 5.4 Short-term trend Magnitude | a) Minimum b) Maximum |
| 5.5 Short-term trend Method used | Based mainly on extrapolation from a limited amount of data |
| 5.6 Long-term trend Period | |
| 5.7 Long-term trend Direction | |
| 5.8 Long-term trend Magnitude | a) Minimum b) Maximum |
| 5.9 Long-term trend Method used | |
| 5.10 Favourable reference range | a) Area (km²)<br>b) Operator More than (>)<br>c) Unknown<br>d) Method |
| 5.11 Change and reason for change in surface area of range | Improved knowledge/more accurate data<br>The change is mainly due to: Improved knowledge/more accurate data |

# Report on the main results of the surveillance under Article 11 for Annex II, IV and V species (Annex B)

| | | |
|---|---|---|
| 5.12 Additional information | | |

## 6. Population

| | | |
|---|---|---|
| 6.1 Year or period | | 2013-2018 |
| 6.2 Population size (in reporting unit) | a) Unit | number of map 1x1 km grid cells (grids1x1) |
| | b) Minimum | |
| | c) Maximum | |
| | d) Best single value | 663 |
| 6.3 Type of estimate | | Best estimate |
| 6.4 Additional population size (using population unit other than reporting unit) | a) Unit | |
| | b) Minimum | |
| | c) Maximum | |
| | d) Best single value | |
| 6.5 Type of estimate | | |
| 6.6 Population size Method used | | Based mainly on extrapolation from a limited amount of data |
| 6.7 Short-term trend Period | | 2007-2018 |
| 6.8 Short-term trend Direction | | Decreasing (-) |
| 6.9 Short-term trend Magnitude | a) Minimum | |
| | b) Maximum | |
| | c) Confidence interval | |
| 6.10 Short-term trend Method used | | Based mainly on extrapolation from a limited amount of data |
| 6.11 Long-term trend Period | | |
| 6.12 Long-term trend Direction | | |
| 6.13 Long-term trend Magnitude | a) Minimum | |
| | b) Maximum | |
| | c) Confidence interval | |
| 6.14 Long-term trend Method used | | |
| 6.15 Favourable reference population (using the unit in 6.2 or 6.4) | a) Population size | |
| | b) Operator | More than (>) |
| | c) Unknown | |
| | d) Method | |

| | |
|---|---|
| 6.16 Change and reason for change in population size | Genuine<br>Improved knowledge/more accurate data<br>Use of different method<br>The change is mainly due to: Genuine change |
| 6.17 Additional information | |

## 7. Habitat for the species

| | | |
|---|---|---|
| 7.1 Sufficiency of area and quality of occupied habitat | a) Are area and quality of occupied habitat sufficient (for long-term survival)? | Yes |
| | b) Is there a sufficiently large area of unoccupied habitat of suitable quality (for long-term survival)? | |
| 7.2 Sufficiency of area and quality of occupied habitat Method used | Based mainly on extrapolation from a limited amount of data | |
| 7.3 Short-term trend Period | 2007-2018 | |
| 7.4 Short-term trend Direction | Decreasing (-) | |
| 7.5 Short-term trend Method used | Based mainly on extrapolation from a limited amount of data | |
| 7.6 Long-term trend Period | | |
| 7.7 Long-term trend Direction | | |
| 7.8 Long-term trend Method used | | |
| 7.9 Additional information | | |

## 8. Main pressures and threats

8.1 Characterisation of pressures/threats

| Pressure | Ranking |
|---|---|
| Drainage (K02) | H |
| Droughts and decreases in precipitation due to climate change (N02) | H |
| Physical alteration of water bodies (K05) | M |
| Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01) | M |
| Other invasive alien species (other then species of Union concern) (I02) | M |

| Threat | Ranking |
|---|---|
| Drainage (K02) | H |

| | |
|---|---|
| Droughts and decreases in precipitation due to climate change (N02) | H |
| Physical alteration of water bodies (K05) | M |
| Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01) | M |
| Other invasive alien species (other then species of Union concern) (I02) | M |

8.2 Sources of information

8.3 Additional information

## 9. Conservation measures

9.1 Status of measures

a) Are measures needed? Yes

b) Indicate the status of measures Measures identified, but none yet taken

9.2 Main purpose of the measures taken

9.3 Location of the measures taken

9.4 Response to the measures Medium-term results (within the next two reporting periods, 2019-2030)

9.5 List of main conservation measures

Management, control or eradication of other invasive alien species (CI03)

Management of habitats (others than agriculture and forest) to slow, stop or reverse natural processes (CL01)

9.6 Additional information

## 10. Future prospects

10.1 Future prospects of parameters

a) Range Poor

b) Population Poor

c) Habitat of the species Poor

10.2 Additional information

## 11. Conclusions

11.1. Range Unfavourable - Inadequate (U1)

11.2. Population Unfavourable - Inadequate (U1)

11.3. Habitat for the species Unfavourable - Inadequate (U1)

# Report on the main results of the surveillance under Article 11 for Annex II, IV and V species (Annex B)

| | |
|---|---|
| 11.4. Future prospects | Unfavourable - Inadequate (U1) |
| 11.5 Overall assessment of Conservation Status | Unfavourable - Inadequate (U1) |
| 11.6 Overall trend in Conservation Status | Deteriorating (-) |
| 11.7 Change and reasons for change in conservation status and conservation status trend | a) Overall assessment of conservation status<br>No change<br>The change is mainly due to:<br>b) Overall trend in conservation status<br>Genuine<br>Improved knowledge/more accurate data<br>The change is mainly due to: Genuine change |
| 11.8 Additional information | |

## 12. Natura 2000 (pSCIs, SCIs and SACs) coverage for Annex II species

| | |
|---|---|
| 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: number of map 1x1 km grid cells (grids1x1)<br>b) Minimum<br>c) Maximum<br>d) Best single value: 440 |
| 12.2 Type of estimate | Best estimate |
| 12.3 Population size inside the network Method used | Based mainly on extrapolation from a limited amount of data |
| 12.4 Short-term trend of population size within the network Direction | Decreasing (-) |
| 12.5 Short-term trend of population size within the network Method used | Based mainly on extrapolation from a limited amount of data |
| 12.6 Additional information | |

## 13. Complementary information

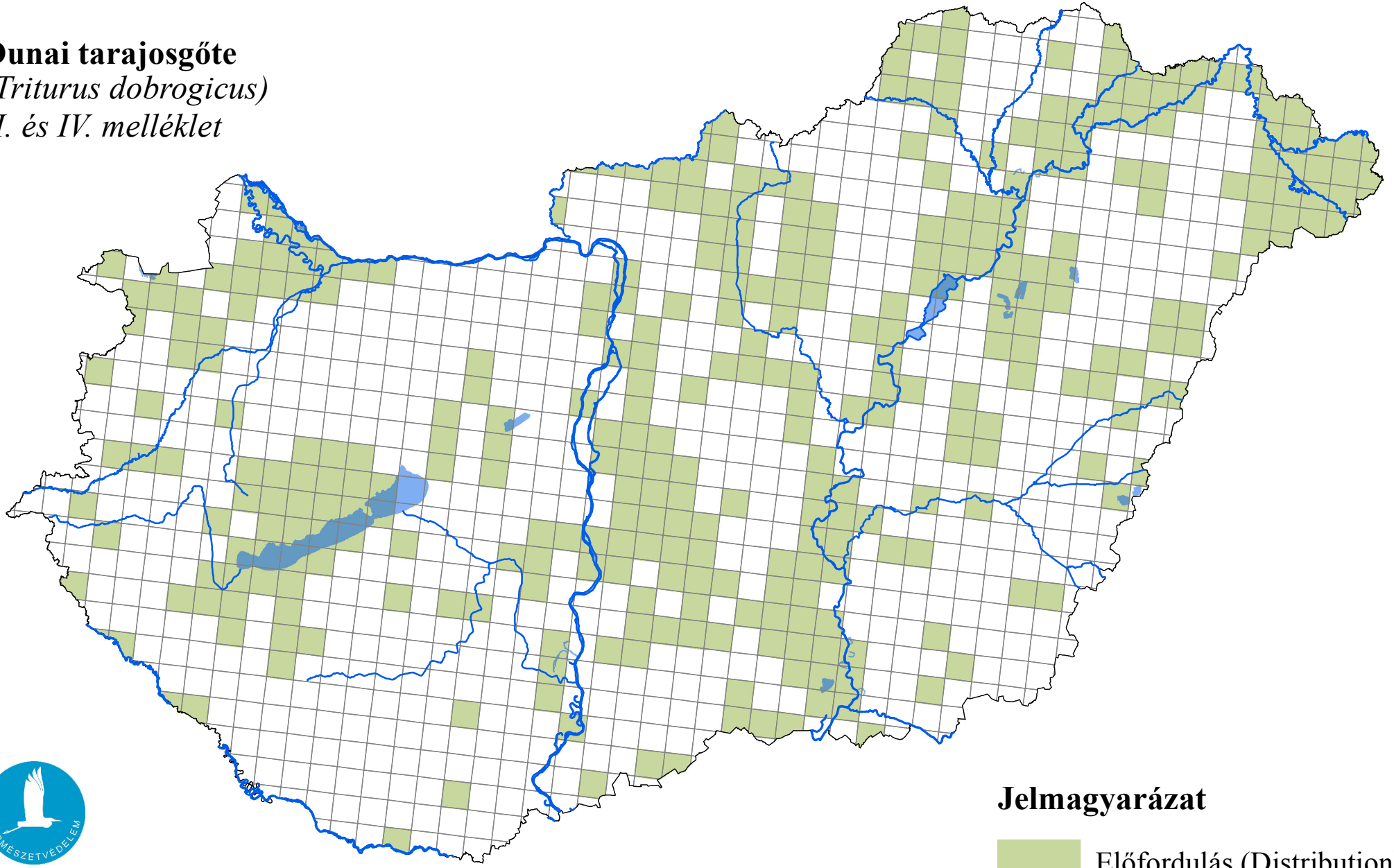
| | |
|---|---|
| 13.1 Justification of % thresholds for trends | |
| 13.2 Trans-boundary assessment | |

# Report on the main results of the surveillance under Article 11 for Annex II, IV and V species (Annex B)

13.3 Other relevant Information

# Az élőhelyvédelmi irányelv 17. cikke alapján készített országjelentés 2019

**Dunai tarajosgőte**
*(Triturus dobrogicus)*
*II. és IV. melléklet*




Forrás: Agrárminisztérium,
Természetmegőrzési Főosztály