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	**6169**
1.3 Species scientific name	**Euphydryas maturna**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	díszes tarkalepke

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	Complete survey or a statistically robust estimate
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

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<table>
<tr><td rowspan="2">3.3 Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish)</td><td colspan="7">a) Unit</td></tr>
<tr><td>b) Statistics/ quantity taken</td><td colspan="6">Provide statistics/quantity per hunting season or per year (where season is not used) over the reporting period</td></tr>
<tr><td></td><td></td><td>Season/ year 1</td><td>Season/ year 2</td><td>Season/ year 3</td><td>Season/ year 4</td><td>Season/ year 5</td><td>Season/ year 6</td></tr>
<tr><td></td><td>Min. (raw, ie. not rounded)</td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td></td><td>Max. (raw, ie. not rounded)</td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td></td><td>Unknown</td><td>No</td><td>No</td><td>No</td><td>No</td><td>No</td><td>No</td></tr>
</table>

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

A Nemezeti Biodiverzitás monitorozó rendszer 2013-2018 között végzett felméréseinek jelentései.

A KEHOP-4.3.0-VEKOP-15-2016-00001 "A közösségi jelentőségű természeti értékek hosszú távú megőrzését és fejlesztését, valamint az EU Biológiai Sokféleség Stratégia 2020 célkitűzéseinek hazai szintű megvalósítását megalapozó stratégiai vizsgálatok" projekt adatai

Natura 2000 fenntartási tervek megalapozó adatgyűjtése

Vozár Á., Kocsis M. (2014): Védett lepkefajok előfordulásai, állományai a Heves–Borsodi-dombság területén. – In: Diczházi I. & Schmotzer A. (eds): Apoka. A Heves–Borsodi-dombság és az Upponyi-hegység élővilága. Bükki Nemzeti Park Igazgatóság, Eger, pp., 105-122 pp.
Kozma P. (2014): Adatok a Hevesi-sík nagylepkefaunájának ismeretéhez (Macrolepidoptera). – In: Schmotzer A. (eds): Szikfok. Dél-hevesi tanulmányok. Bükki Nemzeti Park Igazgatóság, Eger, pp., 97-116 pp.

Deli T. - Danyik T. (szerk.) (2015): A Körös-Maros Nemzeti Park természeti értékei II. A Körös-Maros Nemzeti Park Állatvilága - Gerinctelenek – KMNPI
Haraszthy L., Sáfián Sz. (szerk.) (2016): Védett állatfajok elterjedési atlasza Vas, Zala és Somogy megye Natura 2000 területein / Distribution atlas of protected species of animals in Natura 2000 sites of Vas, Zala and Somogy Counties. Somogy Természetvédelmi Szervezet, Somogyfajsz, pp. 1-216.

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5. Range

5.1 Surface area	25873
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)
	b) Operator Approximately equal to (≈)
	c) Unknown
	d) Method
5.11 Change and reason for change in surface area of range	Improved knowledge/more accurate data
	The change is mainly due to: Improved knowledge/more accurate data
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 517
6.3 Type of estimate	Minimum
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	Uncertain (u)
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

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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	Improved knowledge/more accurate data
	Use of different method
	The change is mainly due to: Improved knowledge/more accurate data
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	Complete survey or a statistically robust estimate	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Stable (0)	
7.5 Short-term trend Method used	Complete survey or a statistically robust estimate	
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
Clear-cutting, removal of all trees (B09)	H
Conversion to other types of forests including monocultures (B02)	M
Replanting with or introducing non-native or non-typical species (including new species and GMOs) (B03)	M
Logging (excluding clear cutting) of individual trees (B06)	H

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Other invasive alien species (other then species of Union concern) (I02)	M
Droughts and decreases in precipitation due to climate change (N02)	H
Use of plant protection chemicals in forestry (B20)	H

Threat	Ranking
Clear-cutting, removal of all trees (B09)	H
Conversion to other types of forests including monocultures (B02)	M
Replanting with or introducing non-native or non-typical species (including new species and GMOs) (B03)	M
Logging (excluding clear cutting) of individual trees (B06)	H
Other invasive alien species (other then species of Union concern) (I02)	M
Droughts and decreases in precipitation due to climate change (N02)	H
Use of plant protection chemicals in forestry (B20)	H

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 and taken

9.2 Main purpose of the measures taken	Maintain the current range, population and/or habitat for the species
9.3 Location of the measures taken	Both inside and outside Natura 2000
9.4 Response to the measures	Medium-term results (within the next two reporting periods, 2019-2030)

9.5 List of main conservation measures

Maintain existing traditional forest management and exploitation practices (CB02)
Stop forest management and exploitation practices (CB06)
Adapt/change forest management and exploitation practices (CB05)
Management, control or eradication of other invasive alien species (CI03)
Adapt/manage reforestation and forest regeneration (CB04)
Adopt climate change mitigation measures (CN01)

9.6 Additional information

10. Future prospects

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10.1 Future prospects of parameters	a) Range	Good
	b) Population	Poor
	c) Habitat of the species	Good

| 10.2 Additional information | |

11. Conclusions

11.1. Range	Favourable (FV)
11.2. Population	Unfavourable - Inadequate (U1)
11.3. Habitat for the species	Favourable (FV)
11.4. Future prospects	Unfavourable - Inadequate (U1)
11.5 Overall assessment of Conservation Status	Unfavourable - Inadequate (U1)
11.6 Overall trend in Conservation Status	Stable (=)

11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status
	No change
	The change is mainly due to:
	b) Overall trend in conservation status
	Improved knowledge/more accurate data
	The change is mainly due to: Improved knowledge/more accurate data

| 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)
	b) Minimum	
	c) Maximum	
	d) Best single value	398
12.2 Type of estimate	Minimum
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	Uncertain (u)
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

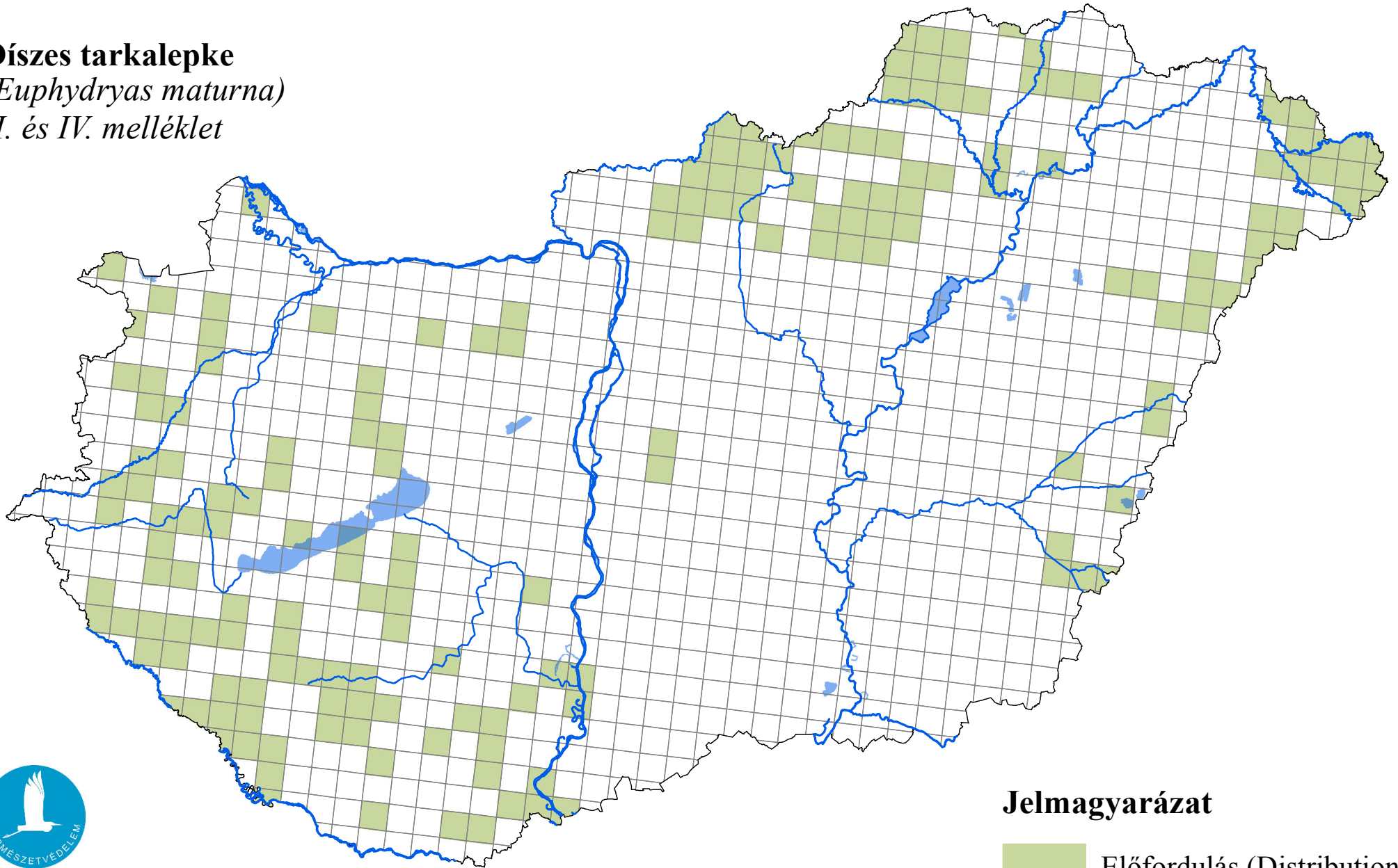# Report on the main results of the surveillance under Article 11 for Annex II, IV and V species (Annex B)

Az élőhelyvédelmi irányelv 17. cikke alapján készített országjelentés 2019

Díszes tarkalepke
(Euphydryas maturna)
II. és IV. melléklet

Forrás: Agrárminisztérium,
Természetmegőrzési Főosztály

Jelmagyarázat

Előfordulás (Distribution)

0   25   50 Kilometers