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

0.1 Member State	**HU**
0.2.1 Species code	**2203**
0.2.2 Species name	**Onosma tornensis**
0.2.3 Alternative species scientific name	Onosma tornense
0.2.4 Common name	tornai vértő

1. National Level

1.1 Maps

1.1.1 Distribution Map	Yes
1.1.1a Sensitive species	No
1.1.2 Method used - map	Complete survey/Complete survey or a statistically robust estimate (3)
1.1.3 Year or period	2007-2010
1.1.4 Additional map	No
1.1.5 Range map	Yes

2. Biogeographical Or Marine Level

2.1 Biogeographical Region	**Pannonian (PAN)**
2.2 Published sources	V. Kolarčik – J. Zozomová-Lihová - P. Mártonfi (2010): Systematics and evolutionary history of the Asterotricha group of the genus Onosma (Boraginaceae) in central and southern Europe inferred from AFLP and nrDNA ITS data. Plant Syst. Evol. 290:21–45. A TIR és NPI jelentésekből származó adatokra vonatkozó formula. A Nemzeti Biodiverzitás-monitorozó Rendszer keretében 2007-2012 között végzett felmérések kutatási jelentései

2.3 Range

2.3.1 Surface area - Range (km²)	71,5		
2.3.2 Method - Range surface area	Complete survey/Complete survey or a statistically robust estimate (3)		
2.3.3 Short-term trend period	2001-2012		
2.3.4 Short-term trend direction	stable (0)		
2.3.5 Short-term trend magnitude	min		max
2.3.6 Long-term trend period			
2.3.7 Long-term trend direction	N/A		
2.3.8 Long-term trend magnitude	min		max
2.3.9 Favourable reference range	area (km²)		
	operator		approximately equal to (≈)
	unkown		No
	method		
2.3.10 Reason for change	Use of different method		

2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit	number of individuals (i)		
	min	10000	max	11000
2.4.2 Population size (other than individuals)	Unit	N/A		
	min		max	
2.4.3 Additional information	Definition of locality			
	Conversion method			

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	Problems		
2.4.4 Year or period	2007-2010		
2.4.5 Method – population size	Complete survey/Complete survey or a statistically robust estimate (3)		
2.4.6 Short-term trend period	2001-2012		
2.4.7 Short term trend direction	stable (0)		
2.4.8 Short-term trend magnitude	min	max	confidence interval
2.4.9 Short-term trend method	Complete survey/Complete survey or a statistically robust estimate (3)		
2.4.10 Long-term trend period			
2.4.11 Long term trend direction	N/A		
2.4.12 Long-term trend magnitude	min	max	confidence interval
2.4.13 Long-term trend method	N/A		
2.4.14 Favourable reference population	number		
	operator	approximately equal to (≈)	
	unknown	No	
	method		
2.4.15 Reason for change	Improved knowledge/more accurate data		

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km²)	0,28
2.5.2 Year or period	2007-2010
2.5.3 Method used - habitat	Complete survey/Complete survey or a statistically robust estimate (3)
2.5.4 a) Quality of habitat	Moderate
2.5.4 b) Quality of habitat - method	degradációs hatások: elsősorban bálványfa terjedése
2.5.5 Short term trend period	2001-2012
2.5.6 Short term trend direction	stable (0)
2.5.7 Long-term trend period	
2.5.8 Long term trend direction	N/A
2.5.9 Area of suitable habitat (km²)	1
2.5.10 Reason for change	Improved knowledge/more accurate data

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
invasive non-native species (I01)	high importance (H)	N/A
species composition change (succession) (K02.01)	medium importance (M)	N/A
paths, tracks, cycling tracks (D01.01)	low importance (L)	N/A
Other forms of pollution (H07)	low importance (L)	N/A
burning down (J01.01)	low importance (L)	N/A

2.6.1 Method used – pressures	based exclusively or to a larger extent on real data from sites/occurrences or othe

2.7 Main Threats

Threat	ranking	pollution qualifier(s)
invasive non-native species (I01)	high importance (H)	N/A
paths, tracks, cycling tracks (D01.01)	medium importance (M)	N/A
species composition change (succession) (K02.01)	medium importance (M)	N/A
Other forms of pollution (H07)	low importance (L)	N/A
burning down (J01.01)	low importance (L)	N/A

droughts and less precipitations (M01.02)	low importance (L)	N/A

2.7.1 Method used – threats	expert opinion (1)

2.8 Complementary Information

2.8.1 Justification of % thresholds for trends	
2.8.2 Other relevant Information	Pontosabb adatok, jelentős változások az értékekben.
2.8.3 Trans-boundary assessment	

2.9 Conclusions (assessment of conservation status at end of reporting period)

2.9.1 Range	assessment	Favourable (FV)
	qualifiers	N/A
2.9.2. Population	assessment	Favourable (FV)
	qualifiers	N/A
2.9.3. Habitat	assessment	Inadequate (U1)
	qualifiers	stable (=)
2.9.4. Future prospects	assessment	Favourable (FV)
	qualifiers	N/A
2.9.5 Overall assessment of Conservation Status	Inadequate (U1)	
2.9.5 Overall trend in Conservation Status	stable (=)	

3. Natura 2000 coverage and conservation measures - Annex II species

3.1 Population

3.1.1 Population Size	Unit	number of individuals (i)		
	min	10000	max	11000
3.1.2 Method used	Complete survey/Complete survey or a statistically robust estimate (3)			
3.1.3 Trend of population size within	N/A			

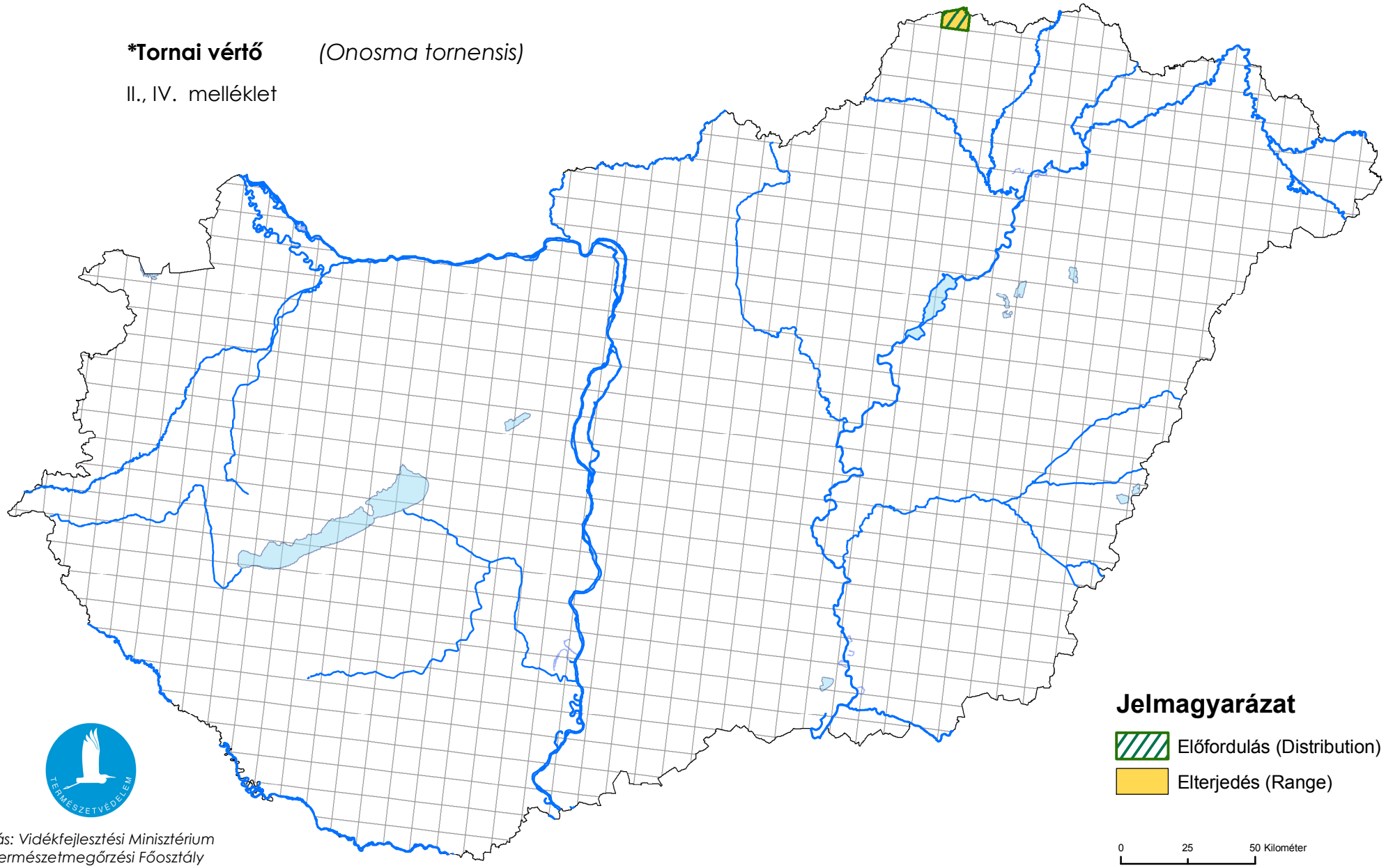
3.2 Conversation Measures

3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
Other species management measures (7.0)	Recurrent	medium importance (M)	Inside	Long term
Maintaining grasslands and other open habitats (2.1)	One-off	high importance (H)	Inside	Enhance

Térképmelléklet az élőhelyvédelmi irányelv 17. cikke alapján készített országjelentéshez 2013.

***Tornai vértő** *(Onosma tornensis)*

II., IV. melléklet



Forrás: Vidékfejlesztési Minisztérium Természetmegőrzési Főosztály