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

1. General information

1.1 Member State	**HR**
1.2 Species code	**1220**
1.3 Species scientific name	**Emys orbicularis**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	barska kornjača

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2008-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited 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

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

Mediterranean (MED)

4.2 Sources of information

Baškiera, S., Koller, K., 2016. Istraživanje vodozemaca i gmazova na području šume Žutice, izvještaj za 2016. godinu (završni izvještaj). Hrvatsko herpetološko društvo – Hyla, Zagreb.

Dajčman, U., 2017. Poročilo o delu skupine za plazilce, in: Ekosistemi Balkana, Vransko jezero 2016. Društvo študentov biologije, Ljubljana, pp. 66–72.

Fritz, U., 1992. Zur innerartliehen Variabilität von Emys orbicularis (Linnaeus, 1758) 2. Variabilität in Osteuropa und Redefinition von Emys orbicularis orbicularis (Linnaeus, 1758) und E. o. hellenica (Valenciennes, 1832) (Reptilia, Testudines: Emydidae). Zoologische Abhandlungen aus dem Staatlichen Museum fur Tierkunde in Dresden 47, 37–78.

Iglesias, R., Garca-Estévez, J.M., Ayres, C., Acuña, A., Cordero-Rivera, A., 2015. First reported outbreak of severe spirorchiidiasis in Emys orbicularis, probably resulting from a parasite spillover event. Dis Aquat Org 113, 75–80. https://doi.org/10.3354/dao02812

Jelić, D., Karaica, D., 2012. First data on the fauna of amphibians and reptiles of the lower Una River and its coastal area. Hyla : Herpetological bulletin 2012, 22–41.

JU Brijuni, 2016. Nacionalni park Brijuni. PLAN UPRAVLJANJA (razdoblje provođenja plana od 2016. do 2025. godine).

Koller, K., 2017. Underground occurences of three species of amphibians and reptiles with special emphasis on Rana latastei (Amphibia: Anura). North-Western Journal of Zoology 13, 176–179.

Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40.

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

Koren, T., Štih, A., Burić, I., Koller, K., Lauš, B., Zadravec, M., 2018. The current distribution of pond slider Trachemys scripta (Reptilia: Emydidae) in Croatia. Natura Sloveniae 20, 33–44.

Kuljerić, M., 2010. Analitička studija herpetofaune s Dodatka II Direktive o zaštiti divlje faune i flore (završni izvještaj). Hrvatsko herpetološko društvo – Hyla, Zagreb.

Moravec, J., 2003. Some notes on the population of dwarfed Emys orbicularis from Pag (Croatia). Časopis Národního muzea, Řada přírodovědná 172, 55–60.

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvansti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb

5. Range

5.1 Surface area	19900
5.2 Short-term trend Period	2008-2018
5.3 Short-term trend Direction	Uncertain (u)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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 c) Unknown x d) Method
5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	It is possible the populations on Rab, Plavnik and Kornat islands became extinct in recent times, therefore the range could be smaller than reported here. However, untill this is confirmed (or disproven), they are included in this report

6. Population

6.1 Year or period	2008-2018
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 168
6.3 Type of estimate	Minimum

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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 expert opinion with very limited data	
6.7 Short-term trend Period	2008-2018	
6.8 Short-term trend Direction	Unknown (x)	
6.9 Short-term trend Magnitude	a) Minimum	
	b) Maximum	
	c) Confidence interval	
6.10 Short-term trend Method used	Insufficient or no data available	
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	
	c) Unknown	x
	d) Method	
6.16 Change and reason for change in population size	The change is mainly due to:	
6.17 Additional information	It is possible the populations on Rab, Plavnik and Kornat islands became extinct in recent times, therefore the population size could be smaller than reported here. However, untill this is confirmed (or disproven), they are included in this report	

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)?	Unknown
	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	Insufficient or no data available	
7.3 Short-term trend Period	2008-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	

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

8. Main pressures and threats

8.1 Characterisation of pressures/threats

Pressure	Ranking
Invasive alien species of Union concern (I01)	M
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M
Change of habitat location, size, and / or quality due to climate change (N05)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Use of plant protection chemicals in agriculture (A21)	M

Threat	Ranking
Invasive alien species of Union concern (I01)	H
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	H
Change of habitat location, size, and / or quality due to climate change (N05)	H
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Use of plant protection chemicals in agriculture (A21)	M

8.2 Sources of information

8.3 Additional information

IAS union concern : Herpestes javanicus É. Geoffroy Saint-Hilaire, 1818; Pseudorasbora parva Temminck & Schlegel, 1846; Threskiornis aethiopicus Latham, 1790; Trachemys scripta Schoepff, 1792; Vespa velutina nigrithorax de Buysson, 1905;

IAS union concern : Herpestes javanicus É. Geoffroy Saint-Hilaire, 1818; Pseudorasbora parva Temminck & Schlegel, 1846; Threskiornis aethiopicus Latham, 1790; Trachemys scripta Schoepff, 1792; Vespa velutina nigrithorax de Buysson, 1905;

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

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

9.2 Main purpose of the measures taken

9.3 Location of the measures taken

9.4 Response to the measures

9.5 List of main conservation measures

Reduce impact of multi-purpose hydrological changes (CJ02)

9.6 Additional information	Conservation measures are included in water management planning documents. However, as there is no systematic monitoring, there is no data to what extent are these measures really incorporated in water management activities and the system for evaluation of effectiveness of those measures is lacking.

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)
11.6 Overall trend in Conservation Status	
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status The change is mainly due to: b) Overall trend in conservation status The change is mainly due to:

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	136

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12.2 Type of estimate	Minimum
12.3 Population size inside the network Method used	Based mainly on expert opinion with very limited data
12.4 Short-term trend of population size within the network Direction	Unknown (x)
12.5 Short-term trend of population size within the network Method used	Insufficient or no data available
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Continental (CON)**
4.2 Sources of information	Baškiera, S., Koller, K., 2016. Istraživanje vodozemaca i gmazova na području šume Žutice, izvještaj za 2016. godinu (završni izvještaj). Hrvatsko herpetološko društvo – Hyla, Zagreb. Dajčman, U., 2017. Poročilo o delu skupine za plazilce, in: Ekosistemi Balkana, Vransko jezero 2016. Društvo študentov biologije, Ljubljana, pp. 66–72. Fritz, U., 1992. Zur innerartliehen Variabilität von Emys orbicularis (Linnaeus, 1758) 2. Variabilität in Osteuropa und Redefinition von Emys orbicularis orbicularis (Linnaeus, 1758) und E. o. hellenica (Valenciennes, 1832) (Reptilia, Testudines: Emydidae). Zoologische Abhandlungen aus dem Staatlichen Museum fur Tierkunde in Dresden 47, 37–78. Iglesias, R., Garca-Estévez, J.M., Ayres, C., Acuña, A., Cordero-Rivera, A., 2015. First reported outbreak of severe spirorchiidiasis in Emys orbicularis, probably resulting from a parasite spillover event. Dis Aquat Org 113, 75–80. https://doi.org/10.3354/dao02812 Jelić, D., Karaica, D., 2012. First data on the fauna of amphibians and reptiles of the lower Una River and its coastal area. Hyla : Herpetological bulletin 2012, 22–41. JU Brijuni, 2016. Nacionalni park Brijuni. PLAN UPRAVLJANJA (razdoblje provođenja plana od 2016. do 2025. godine). Koller, K., 2017. Underground occurences of three species of amphibians and

reptiles with special emphasis on Rana latastei (Amphibia: Anura). North-Western Journal of Zoology 13, 176–179.

Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40.

Koren, T., Štih, A., Burić, I., Koller, K., Lauš, B., Zadravec, M., 2018. The current distribution of pond slider Trachemys scripta (Reptilia: Emydidae) in Croatia. Natura Sloveniae 20, 33–44.

Kuljerić, M., 2010. Analitička studija herpetofaune s Dodatka II Direktive o zaštiti divlje faune i flore (završni izvještaj). Hrvatsko herpetološko društvo – Hyla, Zagreb.

Moravec, J., 2003. Some notes on the population of dwarfed Emys orbicularis from Pag (Croatia). Časopis Národního muzea, Řada přírodovědná 172, 55–60.

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvansti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb

5. Range

5.1 Surface area	34100
5.2 Short-term trend Period	2008-2018
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 expert opinion with very limited 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	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2008-2018
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 362
6.3 Type of estimate	Minimum

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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 expert opinion with very limited data	
6.7 Short-term trend Period	2008-2018	
6.8 Short-term trend Direction	Unknown (x)	
6.9 Short-term trend Magnitude	a) Minimum	
	b) Maximum	
	c) Confidence interval	
6.10 Short-term trend Method used	Insufficient or no data available	
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	
	c) Unknown	x
	d) Method	
6.16 Change and reason for change in population size	The change is mainly due to:	
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)?	Unknown
	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	Insufficient or no data available	
7.3 Short-term trend Period	2008-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
7.6 Long-term trend Period		
7.7 Long-term trend Direction		
7.8 Long-term trend Method used		

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8. Main pressures and threats

8.1 Characterisation of pressures/threats

Pressure	Ranking
Plant and animal diseases, pathogens and pests (I05)	M
Use of plant protection chemicals in agriculture (A21)	M
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M
Invasive alien species of Union concern (I01)	M
Physical alteration of water bodies (K05)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Change of habitat location, size, and / or quality due to climate change (N05)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M

Threat	Ranking
Plant and animal diseases, pathogens and pests (I05)	H
Use of plant protection chemicals in agriculture (A21)	M
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	H
Invasive alien species of Union concern (I01)	H
Physical alteration of water bodies (K05)	H
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Change of habitat location, size, and / or quality due to climate change (N05)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M

8.2 Sources of information

8.3 Additional information

IAS union concern : Herpestes javanicus É. Geoffroy Saint-Hilaire, 1818; Pseudorasbora parva Temminck & Schlegel, 1846; Threskiornis aethiopicus Latham, 1790; Trachemys scripta Schoepff, 1792; Vespa velutina nigrithorax de Buysson, 1905;

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

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

9.4 Response to the measures

9.5 List of main conservation measures

Reduce impact of multi-purpose hydrological changes (CJ02)

9.6 Additional information	Conservation measures are included in water management planning documents. However, as there is no systematic monitoring, there is no dana to what extent are these measures really incorporated in water management activities and the system for evaluation of effectiveness of those measures is lacking.

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Favourable (FV)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)
11.6 Overall trend in Conservation Status	
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status
	The change is mainly due to:
	b) Overall trend in conservation status
	The change is mainly due to:
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	187
12.2 Type of estimate	Minimum	

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12.3 Population size inside the network Method used	Based mainly on expert opinion with very limited data
12.4 Short-term trend of population size within the network Direction	Unknown (x)
12.5 Short-term trend of population size within the network Method used	Insufficient or no data available
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

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1. General information

1.1 Member State	**HR**
1.2 Species code	**2373**
1.3 Species scientific name	**Mauremys rivulata**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	riječna kornjača

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2007-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Complete survey or a statistically robust estimate
2.5 Additional maps	Yes

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	

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Mediterranean (MED)**
4.2 Sources of information	Iglesias, R., Garca-Estévez, J.M., Ayres, C., Acuña, A., Cordero-Rivera, A., 2015. First reported outbreak of severe spirorchiidiasis in Emys orbicularis, probably resulting from a parasite spillover event. Dis Aquat Org 113, 75–80. https://doi.org/10.3354/dao02812
	Koren, T., Štih, A., Burić, I., Koller, K., Lauš, B., Zadravec, M., 2018. The current distribution of pond slider Trachemys scripta (Reptilia: Emydidae) in Croatia. Natura Sloveniae 20, 33–44.
	Štih, A., Koren, T., Zadravec, M., 2015. The Balkan Terrapin - secretive resident of southern Croatia. Croatian Herpetological Society - Hyla. Kopko d.o.o., Zagreb.
	Štih, A., Šalamon, D., 2018. Livin' on the edge – threats to the survival of the Balkan Terrapin in Croatia.
	Štih, A. i Šalamon, D., 2018. Usluga izrade stručne podloge – riječna kornjača u sklopu projekta „Izrada prijedloga planova upravljanja strogo zaštićenim vrstama (s akcijskim planovima). Izvješće nakon prve godine terenskih istraživanja. Udruga Hyla. Zagreb, 31 str.
	M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb, 285 str.

5. Range

5.1 Surface area	1600	
5.2 Short-term trend Period	2007-2018	
5.3 Short-term trend Direction	Uncertain (u)	
5.4 Short-term trend Magnitude	a) Minimum	b) Maximum

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5.5 Short-term trend Method used	Based mainly on expert opinion with very limited 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	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2007-2018	
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	28
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 expert opinion with very limited 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 expert opinion with very limited data	
6.11 Long-term trend Period	1994-2018	
6.12 Long-term trend Direction	Decreasing (-)	
6.13 Long-term trend Magnitude	a) Minimum	
	b) Maximum	
	c) Confidence interval	
6.14 Long-term trend Method used	Based mainly on expert opinion with very limited data	

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

6.15 Favourable reference population (using the unit in 6.2 or 6.4)	a) Population size b) Operator c) Unknown d) Method	x
6.16 Change and reason for change in population size	The change is mainly due to:	
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)?	No
	b) Is there a sufficiently large area of unoccupied habitat of suitable quality (for long-term survival)?	Unknown
7.2 Sufficiency of area and quality of occupied habitat Method used	Based mainly on expert opinion with very limited 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 expert opinion with very limited 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
Use of plant protection chemicals in agriculture (A21)	H
Drainage for use as agricultural land (A31)	M
Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	H
Hydropower (dams, weirs, run-off-the-river), including infrastructure (D02)	M
Bycatch and incidental killing (due to fishing and hunting activities) (G12)	H
Invasive alien species of Union concern (I01)	H
Plant and animal diseases, pathogens and pests (I05)	H
Mixed source pollution to surface and ground waters (limnic and terrestrial) (J01)	M
Physical alteration of water bodies (K05)	M

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Reduced fecundity / genetic depression (e.g. inbreeding or endogamy) (L05)	M

Threat	Ranking
Use of plant protection chemicals in agriculture (A21)	H
Drainage for use as agricultural land (A31)	M
Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	H
Hydropower (dams, weirs, run-off-the-river), including infrastructure (D02)	M
Bycatch and incidental killing (due to fishing and hunting activities) (G12)	H
Invasive alien species of Union concern (I01)	H
Plant and animal diseases, pathogens and pests (I05)	H
Mixed source pollution to surface and ground waters (limnic and terrestrial) (J01)	M
Physical alteration of water bodies (K05)	M
Reduced fecundity / genetic depression (e.g. inbreeding or endogamy) (L05)	M

8.2 Sources of information	
8.3 Additional information	IAS union concern : Trachemys scripta Schoepff, 1792;

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		
9.5 List of main conservation measures		

Early detection and rapid eradication of invasive alien species of Union concern (CI01)
Reduce impact of multi-purpose hydrological changes (CJ02)

9.6 Additional information	Conservation measures are included in water management planning documents. However, as there is no systematic monitoring, there is no dana to what extent are these measures really incorporated in water management activities and the system for evaluation of effectiveness of those measures is lacking.

10. Future prospects

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

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 - Bad (U2)
11.4. Future prospects	Unfavourable - Bad (U2)
11.5 Overall assessment of Conservation Status	Unfavourable - Bad (U2)
11.6 Overall trend in Conservation Status	Unknown (x)
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status
	The change is mainly due to:
	b) Overall trend in conservation status
	The change is mainly due to:

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	28
12.2 Type of estimate	Best estimate	
12.3 Population size inside the network Method used	Based mainly on expert opinion with very limited 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 expert opinion with very limited data	

12.6 Additional information	

13. Complementary information

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13.1 Justification of % thresholds for trends

13.2 Trans-boundary assessment

13.3 Other relevant Information

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1. General information

1.1 Member State	**HR**
1.2 Species code	**1217**
1.3 Species scientific name	**Testudo hermanni**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	kopnena kornjača

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2007-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited data
2.5 Additional maps	Yes

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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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

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

Mediterranean (MED)

4.2 Sources of information

Dajčman, U., 2017. Poročilo o delu skupine za plazilce, in: Ekosistemi Balkana, Vransko jezero 2016. Društvo študentov biologije, Ljubljana, pp. 66–72.
Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40.
Koren, T., Lauš, B., Burić, I., Kuljerić, M., 2011. Contribution to the herpetofauna (amphibians & reptiles) of the Kornati archipelago, Croatia. Natura Croatica 20, 387–396.
Lauš, B., 2010. A contribution to the herpetofauna of Žirje Island (Dalmatia, Croatia). Natura Sloveniae 12, 61–63.
Ljubisavljević, K., Džukić, G., Vukov, T.D., Kalezić, M., 2014. Distribution patterns of Hermann's Tortoise Testudo hermanni GMELIN, 1789, in the region of former Yugoslavia (Testudines: Testudinidae). Herpetozoa 26, 125–138.
Sopotnik, M., Vamberger, M., 2016. Poročilno skupin za dvoživke in plazilce, in: Ekosistemi Jadrana - Mljet 2008, Ekosistemi Jadrana. Društvo študentov biologije, Ljubljana, pp. 38–42.
Tóth, T., Géczy, C., Sós, E., Molnár, Z., Halpern, B., 2009. Further data on the herpetofauna of Lošinj Island, Croatia. Herpetozoa 21, 192.
Vamberger, M., 2012. Poročilo skupine za dvoživke in plazilce, in: Ekosistemi Jadrana, Pag 2007. Društvo študentov biologije, Ljubljana, pp. 10–17.
Vervust, B., Grbac, I., Brecko, J., Tvrtković, N., Van Damme, R., 2009. Distribution of reptiles and amphibians in the nature park Lastovo Archipelago: possible underlying biotic and abiotic causes. Natura Croatica : Periodicum Musei Historiae Naturalis Croatici 18, 113–127.
Vilaj, I., 2014. Doprinos poznavanju herpetofaune otoka Hvara, in: Barišić, M.,

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Burić, I., Gazić, M., Sučić, I. (Eds.), Istraživanje bioraznolikosti otoka Hvara 2011. Udruga studenata biologije - BIUS, Zagreb, pp. 136–156.
M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb. 285 str.

5. Range

5.1 Surface area	23900
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum　　　　　　b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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	
	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2007-2018
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　　280
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 expert opinion with very limited data
6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Unknown (x)

6.9 Short-term trend Magnitude	a) Minimum
	b) Maximum
	c) Confidence interval
6.10 Short-term trend Method used	Insufficient or no data available
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
	c) Unknown x
	d) Method
6.16 Change and reason for change in population size	The change is mainly due to:
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 expert opinion with very limited data
7.3 Short-term trend Period	2007-2018
7.4 Short-term trend Direction	Unknown (x)
7.5 Short-term trend Method used	Insufficient or no data available
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
Illegal shooting/killing (G10)	H
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M

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Conversion into agricultural land (excluding drainage and burning) (A01)	M
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M
Use of plant protection chemicals in agriculture (A21)	M

Threat	Ranking
Illegal shooting/killing (G10)	H
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M
Use of plant protection chemicals in agriculture (A21)	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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)

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11.5 Overall assessment of Conservation Status	Unknown (XX)
11.6 Overall trend in Conservation Status	
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status
	The change is mainly due to:
	b) Overall trend in conservation status
	The change is mainly due to:
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	190
12.2 Type of estimate	Minimum	
12.3 Population size inside the network Method used	Based mainly on expert opinion with very limited data	
12.4 Short-term trend of population size within the network Direction	Unknown (x)	
12.5 Short-term trend of population size within the network Method used	Insufficient or no data available	
12.6 Additional information		

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

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1. General information

1.1 Member State	**HR**
1.2 Species code	**1276**
1.3 Species scientific name	**Ablepharus kitaibelii**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	ivanjski rovaš

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2008-2018
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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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	

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Continental (CON)**
4.2 Sources of information	Bogdanović, T., 2008. Inventarizacija i valorizacija faune vodozemaca (Amphibia) i gmazova (Reptilia) Parka prirode "Papuk." Sveučilište J. J. Strossmayera, Odjel za biologiju, Osjek.

Janev Hutinec, B., Kletečki, E., Lazar, B., Podnar Lešić, M., Skejić, J., Tadić, Z., Tvrtković, N., 2006. Crvena knjiga vodozemaca i gmazova Hrvatske. Ministarstvo kulture, Državni zavod za zaštitu prirode, Zagreb.

Jelić, D., Basta, J., Marchand, M.A., Szövényi, G., 2009a. Prilog poznavanju rasprostranjenosti ivanjskog rovaša (Ablepharus kitaibelii Bibron & Bory, 1833) u Hrvatskoj.

Jelić, D., Jovanović Glavaš, O., Barišić, F., 2018. Monitoring ivanjskog rovaša, Ablepharus kitaibelii, na području Parka prirode Papuk. Izvještaj za 2018. godinu (final report). BIOTA j.d.o.o, Zagreb.

Jelić, D., Kuljerić, M., Koren, T., Treer, D., Šalamon, D., Lončar, M., Podnar Lešić, M., Janev Hutinec, B., Bogdanović, T., Mekinić, S., Jelić, K., 2012. Crvena knjiga vodozemaca i gmazova Hrvatske. Ministarstvo zaštite okoliša i prirode, Državni zavod za zaštitu prirode, Republika Hrvatska.

Samarđić, I., 2010. Plan upravljanja Parka prirode Papuk 2011.-2020. Javna ustanova Park prirode Papuk, Velika.

Szövényi, G., Jelić, D., 2011. Distribution and conservation status of snake eyed skink (Ablepharus kitaibelii Bibron & Bory, 1833) in Croatia. North-Western Journal of Zoology 7, 20–2.

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvansti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

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5. Range

5.1 Surface area	8
5.2 Short-term trend Period	2008-2018
5.3 Short-term trend Direction	Increasing (+)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Complete survey or a statistically robust estimate
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 c) Unknown x d) Method
5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	Although the translocation of new (sub)populations on Papuk Mt. has been deemed successful (Jelić et al., 2018), it is still too early to say whether they are both viable in the long run - this needs to be monitored further. For now, both are included in this report and because of this the range is treated as "increasing". FRR cannot be calculated at this time due to too many factors being unknown.

6. Population

6.1 Year or period	2008-2018
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 8
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	Complete survey or a statistically robust estimate
6.7 Short-term trend Period	2008-2018

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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	Insufficient or no data available
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 c) Unknown x d) Method
6.16 Change and reason for change in population size	The change is mainly due to:
6.17 Additional information	The main Papuk population, i.e. not counting the recent (re)introductions, experienced a significant decline between 2016 and 2018, however it is as of yet unknown whether this is a natural oscillation, or a real decline.

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)?	No
	b) Is there a sufficiently large area of unoccupied habitat of suitable quality (for long-term survival)?	Unknown
7.2 Sufficiency of area and quality of occupied habitat Method used	Based mainly on expert opinion with very limited data	
7.3 Short-term trend Period	2008-2018	
7.4 Short-term trend Direction	Uncertain (u)	
7.5 Short-term trend Method used	Based mainly on expert opinion with very limited data	
7.6 Long-term trend Period		
7.7 Long-term trend Direction		
7.8 Long-term trend Method used		
7.9 Additional information	Although some apparently successful habitat maintenance/restoration efforts had been performed at Papuk, these are by no means enough as a standalone measure.	

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8. Main pressures and threats

8.1 Characterisation of pressures/threats

Pressure	Ranking
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	H
Other invasive alien species (other then species of Union concern) (I02)	H
Conversion from other land uses to housing, settlement or recreational areas (excluding drainage and modification of coastline, estuary and coastal conditions) (F01)	M
Extraction of minerals (e.g. rock, metal ores, gravel, sand, shell) (C01)	M
Replanting with or introducing non-native or non-typical species (including new species and GMOs) (B03)	H

Threat	Ranking
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	H
Other invasive alien species (other then species of Union concern) (I02)	H
Change of habitat location, size, and / or quality due to climate change (N05)	M
Fire (natural) (M09)	M
Conversion from other land uses to housing, settlement or recreational areas (excluding drainage and modification of coastline, estuary and coastal conditions) (F01)	M
Reduced fecundity / genetic depression (e.g. inbreeding or endogamy) (L05)	M
Extraction of minerals (e.g. rock, metal ores, gravel, sand, shell) (C01)	M
Replanting with or introducing non-native or non-typical species (including new species and GMOs) (B03)	M

8.2 Sources of information	Jelić et al. (2012), Szövény & Jelić (2011)
8.3 Additional information	Additional risks stem from the fact that this species is present in only a few fragmented and disconnected areas.

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	Only inside Natura 2000	

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9.4 Response to the measures	Medium-term results (within the next two reporting periods, 2019-2030)
9.5 List of main conservation measures	

Prevent conversion of (semi-) natural habitats into forests and of (semi-)natural forests into intensive forest plantation (CB01)
Reinforce populations of species from the directives (CS01)
Improvement of habitat of species from the directives (CS03)
Management, control or eradication of other invasive alien species (CI03)
Adapt/manage extraction of non-energy resources (CC01)
Adopt climate change mitigation measures (CN01)

9.6 Additional information	Although some of the measures have been identified, some are still unknown. Of those that were identified, some have even been implemented, but not at all locations where they were needed, and not necessarily in the needed amount.

10. Future prospects

10.1 Future prospects of parameters	a) Range	Unknown
	b) Population	Unknown
	c) Habitat of the species	Bad
10.2 Additional information	This species occurs only on two sites and is therefore very succeptible to negative influences.	

11. Conclusions

11.1. Range	Favourable (FV)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unfavourable - Bad (U2)
11.4. Future prospects	Unfavourable - Bad (U2)
11.5 Overall assessment of Conservation Status	Unfavourable - Bad (U2)
11.6 Overall trend in Conservation Status	Unknown (x)
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status The change is mainly due to: b) Overall trend in conservation status The change is mainly due to:
11.8 Additional information	

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

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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
	b) Minimum
	c) Maximum
	d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

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1. General information

1.1 Member State	**HR**
1.2 Species code	**1243**
1.3 Species scientific name	**Algyroides nigropunctatus**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	mrki (ljuskavi) gušter

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2005-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited data
2.5 Additional maps	Yes

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

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

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

Alpine (ALP)

4.2 Sources of information

De Luca, N., Kovačič, D., Đulić, B., 1990. Fauna vodozemaca, gmazova i sisavaca NP Krka, in: NP Kpka - Ekološka monografija 2. pp. 523–543.

Džukić, G., 1970. Beitrag zur Kenntnis der Verbreitung der Algyroides nigropunctatus Dumeril et Bibron in Jugoslawien. Fragmenta Balcanica Musei Macedonici scientiarum naturalium 7, 149–155.

Džukić, G., Pasuljević, G., 1979. O rasprostranjenju ljuskavog guštera – Algyroides nigropunctatus (Dumeril et Bibron, 1839) Reptilia, Lacertidae. Biosistematika 5, 61–70.

Lauš, B., Jelić, D., Burić, I., Kolarić, A., Koren, T., 2013. Distribution and Conservation of Batrachofauna and Herpetofauna of the Zrmanja River catchment area. Hyla : Herpetological bulletin 2012, 3–17.

Marguš, D., 2009. Gmazovi Nacionalnog parka "Krka," Biološka raznolikost rijeke Krke. Javna ustanova "Nacionalni park Krka," Šibenik.

Podnar, M., Mayer, W., 2006. First insights into the mitochondrial DNA diversity of Dalmatian Algyroides, Algyroides nigropunctatus (Lacertidae). Periodicum Biologorum 108, 85–87.

Schmidtler, J.F., 1999. Notes on the altitudinal distribution of lizards and some other reptiles on Mount Biokovo (Croatia) and its immediate surroundings. Natura Croatica 8, 223–237.

Schulz, K.-D., Philippen, H.-D., 1987. Erstnachweis eines melanistischen Exemplares von Algyroides nigropunctatus (DUMERIL & BIBRON, 1839) (Sauria: Lacertidae). Salamandra 23, 63–64.

Tóth, T., Farkas, B., Géczy, C., Molnár, Z., 2009. Herpetofaunal data from Ilovik and neighboring islets (Cres-Lošinj Archipelago, Croatia). Herpetozoa 22, 82–87.

Tóth, T., Grillitsch, H., Farkas, B., Gál, J., Sušić, G., 2006. Herpetofaunal data from

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

Cres Island, Croatia. Herpetozoa 19, 27–58.
M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvansti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

5.1 Surface area	700
5.2 Short-term trend Period	2005-2016
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2005-2016	
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	1
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 expert opinion with very limited data	
6.7 Short-term trend Period	2005-2016	
6.8 Short-term trend Direction	Unknown (x)	

6.9 Short-term trend Magnitude	a) Minimum b) Maximum c) Confidence interval	
6.10 Short-term trend Method used	Insufficient or no data available	
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 c) Unknown d) Method	x
6.16 Change and reason for change in population size	The change is mainly due to:	
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)?	Unknown
	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	Insufficient or no data available	
7.3 Short-term trend Period	2005-2016	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
Unknown pressure (Xu)	

Threat	Ranking
No information on threats (Xt)	

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9. Conservation measures

9.1 Status of measures	a) Are measures needed?	No
	b) Indicate the status of measures	

9.2 Main purpose of the measures taken

9.3 Location of the measures taken

9.4 Response to the measures

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)

11.6 Overall trend in Conservation Status

11.7 Change and reasons for change in conservation status and conservation status trend

a) Overall assessment of conservation status

The change is mainly due to:

b) Overall trend in conservation status

The change is mainly due to:

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
	b) Minimum
	c) Maximum
	d) Best single value

12.2 Type of estimate	

12.3 Population size inside the network Method used	

12.4 Short-term trend of population size within the network Direction	

12.5 Short-term trend of population size within the network Method used	

12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends	

13.2 Trans-boundary assessment	

13.3 Other relevant Information	

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Mediterranean (MED)**
4.2 Sources of information	De Luca, N., Kovačič, D., Đulić, B., 1990. Fauna vodozemaca, gmazova i sisavaca NP Krka, in: NP Kpka - Ekološka monografija 2. pp. 523–543.
	Džukić, G., 1970. Beitrag zur Kenntnis der Verbreitung der Algyroides nigropunctatus Dumeril et Bibron in Jugoslawien. Fragmenta Balcanica Musei Macedonici scientiarum naturalium 7, 149–155.
	Džukić, G., Pasuljević, G., 1979. O rasprostranjenju ljuskavog guštera – Algyroides nigropunctatus (Dumeril et Bibron, 1839) Reptilia, Lacertidae. Biosistematika 5, 61–70.
	Lauš, B., Jelić, D., Burić, I., Kolarić, A., Koren, T., 2013. Distribution and Conservation of Batrachofauna and Herpetofauna of the Zrmanja River catchment area. Hyla : Herpetological bulletin 2012, 3–17.
	Marguš, D., 2009. Gmazovi Nacionalnog parka "Krka," Biološka raznolikost rijeke Krke. Javna ustanova "Nacionalni park Krka," Šibenik.

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

Podnar, M., Mayer, W., 2006. First insights into the mitochondrial DNA diversity of Dalmatian Algyroides, Algyroides nigropunctatus (Lacertidae). Periodicum Biologorum 108, 85–87.

Schmidtler, J.F., 1999. Notes on the altitudinal distribution of lizards and some other reptiles on Mount Biokovo (Croatia) and its immediate surroundings. Natura Croatica 8, 223–237.

Schulz, K.-D., Philippen, H.-D., 1987. Erstnachweis eines melanistischen Exemplares von Algyroides nigropunctatus (DUMERIL & BIBRON, 1839) (Sauria: Lacertidae). Salamandra 23, 63–64.

Tóth, T., Farkas, B., Géczy, C., Molnár, Z., 2009. Herpetofaunal data from Ilovik and neighboring islets (Cres-Lošinj Archipelago, Croatia). Herpetozoa 22, 82–87.

Tóth, T., Grillitsch, H., Farkas, B., Gál, J., Sušić, G., 2006. Herpetofaunal data from Cres Island, Croatia. Herpetozoa 19, 27–58.

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvansti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

5.1 Surface area	14700
5.2 Short-term trend Period	2008-2018
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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 c) Unknown x d) Method
5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2008-2018	
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	157
6.3 Type of estimate	Minimum	

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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 expert opinion with very limited data	
6.7 Short-term trend Period	2008-2018	
6.8 Short-term trend Direction	Unknown (x)	
6.9 Short-term trend Magnitude	a) Minimum	
	b) Maximum	
	c) Confidence interval	
6.10 Short-term trend Method used	Insufficient or no data available	
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	
	c) Unknown	x
	d) Method	
6.16 Change and reason for change in population size	The change is mainly due to:	
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 expert opinion with very limited data	
7.3 Short-term trend Period	2008-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
7.6 Long-term trend Period		
7.7 Long-term trend Direction		
7.8 Long-term trend Method used		

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8. Main pressures and threats

8.1 Characterisation of pressures/threats

Pressure	Ranking
Unknown pressure (Xu)	

Threat	Ranking
No information on threats (Xt)	

8.2 Sources of information

8.3 Additional information

9. Conservation measures

9.1 Status of measures	a) Are measures needed?	No
	b) Indicate the status of measures	

9.2 Main purpose of the measures taken

9.3 Location of the measures taken

9.4 Response to the measures

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)
11.6 Overall trend in Conservation Status	

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11.7 Change and reasons for change in conservation status and conservation status trend	**a) Overall assessment of conservation status**
	The change is mainly due to:
	b) Overall trend in conservation status
	The change is mainly due to:
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** **b) Minimum** **c) Maximum** **d) Best single value**
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

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1. General information

1.1 Member State	**HR**
1.2 Species code	**6341**
1.3 Species scientific name	**Dalmatolacerta oxycephala**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	oštroglava gušterica

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2007-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited data
2.5 Additional maps	Yes

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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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

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

Mediterranean (MED)

4.2 Sources of information

Boulenger, G.A., 1920. Monograph of the Lacertidae. Order of the Trustees, London.

Boulenger, G.A., 1916. On the Lizards allied to Lacerta muralis, with an Account of Lacerta agilis and L. parva. Transactions of the Zoological Society of London 21, 1–104.

Cafuta, V., 2004a. Herpetološka skupina, in: Ekosistemi Dalmacije - Brač 2003 in Korčula 2004. Društvo študentov biologije, Ljubljana, pp. 44–49.

Cafuta, V., 2004b. Skupina za dvoživke in plazilce, in: Ekosistemi Dalmacije - Brač 2003 in Korčula 2004. Društvo študentov biologije, Ljubljana, pp. 13–19.

Čehovin, A., Lokovšek, T., Planinc, G., Podvršić, B., Stergaršek, J., Vukelič, E., Jaćimović, V., Aupič, N., 2002. Ekosistemi Dalmacije : Dugi otok 2002 : Poročila s tabora študentov biologije na Dugem otoku. Društvo študentov biologije, Ljubljana.

Clover, R.C., 1975. Morphological Variations in Populations of Lacerta from Islands in the Adriatic Sea (PhD). Oregon State University.

Depoli, G., 1898. I Rettili ed Anfibii del territorio di Fiume. Riv. it. Sc. Nat. 18, 47–50.

Dieckmann, M., 2006. Die Lacertiden der norddalmatinischen Insel Dugi Otok. Die Eidechse 17, 52–56.

Drašler, K., 2014. Poročilo o delu skupine za plazilce, in: Ekosistemi Jadrana 2011 - delta Neretve. Društvo študentov biologije, Ljubljana, pp. 35–41.

Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D

Galvagni, E., 1902. Beiträge zur Kenntniss der Fauna einiger dalmatinischer Inseln. Verhandlunden zoologisch-botanischen Gesellschaft in Wien 52, 362–388.

Grbac, I., Leiner, S., Perović, F., 1998. Thermoregulation and Diet Composition of Insular Populations of Podarcis melisellensis and Lacerta oxycephala, in: Abstracts of the 3rd International Symposium on the Lacertids of the Maditerranean Basin. Presented at the 3rd international symposium on the Lacertids of the Maditerranean basin, CHS – Hyla, Cres, p. 38.

Gugler, W., 1903. Herpetologische Skizzen aus Südistrien, Dalmatien, Montenegro und der Herzegovina. Aquarien und Terrarien 14, 132–134, 143–146.

Kammerer, P., 1903. Über die Lebensweise der Spitzkopfeidechse (Lacerta oxycephala Dum. Bibr.). Blätter für Aquarien- und Terrarienkunde 14, 162–165, 249–251.

Kolombatović, Gj., 1903. Contribuzioni alla fauna dei vertebrati della Dalmazia. Glasnik hrvatskoga naravoslovnoga društva 15, 182–200.

Kolombatović, J., 1886. Imenik kraljenjaka Dalmacije. II. Dio: Dvoživci, Gmazovi i Ribe. Godišnje izvješće Velike realke u Splitu 1885–1886, 3–32.

Konte, T., Pipan, Ž., Kostanjšek, R., Lužnik, M., Turjak, M., Kramberger, P., Bordjan, D., Jazbec, K., Uhan, J., Gorjan, A., Čuden, I., Krofel, M., Petkovska, V., Slavikovski, A., Mirt, T., Žagar, A., Remžgar, T., Cipot, A., Vinko, D., Luštrik, R., 2006. Ekosistemi Jadrana. Črna Gora 2005. Pelješac 2006. Spomladinski biološki dnevi. Jovsi 2006. Društvo študentov biologije, Ljubljana.

Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40.

Lailvaux, S.P., Huyghe, K., Van Damme, R., Rödel, M., 2012. Why can't we all just get along? Interspecific aggression in resident and non-resident Podarcis melisellensis lizards. Journal of Zoology 288, 207–213. https://doi.org/10.1111/j.1469-7998.2012.00943.x

Madl, R., 2017. First record of Elaphe quatuorlineata (BONNATERRE, 1790), from the Island of Dugi Otok (Croatia). Herpetozoa 30, 96–100.

Marguš, D., 2009. Gmazovi Nacionalnog parka "Krka," Biološka raznolikost rijeke Krke. Javna ustanova "Nacionalni park Krka," Šibenik.

Podnar, M., Bruvo Mađarić, B., Mayer, W., 2014. Non-concordant phylogeographical patterns of three widely codistributed endemic Western Balkans lacertid lizards (Reptilia, Lacertidae) shaped by specific habitat requirements and different responses to Pleistocene climatic oscillations. Journal of Zoological Systematics and Evolutionary Research 52, 119–129. https://doi.org/10.1111/jzs.12056

Radovanović, M., 1951. Vodozemci i gmizavci naše zemlje. Naučna knjiga, Beograd.

Rogenhofer, A.F., 1908. Die zoologische Reise des naturwissenschaflichen Vereines nach Dalmatien im April 1906. A. Allgemeiner Teil. Bericht über den Verlauf der Reise. I. Gemeinsame Reise bis Babinopolje. Mitteilungen des Naturwissenschaftlichen Vereines an der Universität Wien 6, 1–6.

Šalamon, D., Sterijovski, B., Šilić, T., 2005. Inventarizacija herpetofaune Parka prirode "Biokovo," in: Mazija, M.V.V. (Ed.), Zbornik istraživačkih radova Udruge studenata biologije - BIUS u Parku prirode Biokovo. Udruga studenata biologije - BIUS, Zagreb, pp. 32–38.

Scheers, H., Van Damme, R., 2002. Micro-scale differences in thermal habitat quality and a possible case of evolutionary flexibility in the thermal physiology of lacertid lizards. Oecologia 132, 323–331. https://doi.org/10.1007/s00442-002-0970-0

Sopotnik, M., Vamberger, M., 2016. Poročilno skupin za dvoživke in plazilce, in: Ekosistemi Jadrana - Mljet 2008, Ekosistemi Jadrana. Društvo študentov biologije, Ljubljana, pp. 38–42.

Šunje, E., Bird, D.R., Jelić, D., 2014. Distribution and conservation of Dalmatolacerta oxycephala (Duméril & Bibron, 1839) in Croatia and Bosnia and Herzegovina. HYLA : Herpetological bulletin 2014, 20–33.

Tóth, T., Grillitsch, H., Farkas, B., Gál, J., Sušić, G., 2006. Herpetofaunal data from Cres Island, Croatia. Herpetozoa 19, 27–58.

Tvrtković, N., Kletečki, E., 1993. Preliminarna istraživanja terestričkih kralješnjaka Biokova. Acta Biokovica 6, 11–18.

Vervust, B., Grbac, I., Brecko, J., Tvrtković, N., Van Damme, R., 2009. Distribution of reptiles and amphibians in the nature park Lastovo Archipelago: possible underlying biotic and abiotic causes. Natura Croatica : Periodicum Musei Historiae Naturalis Croatici 18, 113–127.

Vilaj, I., 2014. Doprinos poznavanju herpetofaune otoka Hvara, in: Barišić, M., Burić, I., Gazić, M., Sučić, I. (Eds.), Istraživanje bioraznolikosti otoka Hvara 2011. Udruga studenata biologije - BIUS, Zagreb, pp. 136–156.

Vogrin, N., 1997. On the herpetofauna of Lake Vrana and its vicinity (Dalmacia, Croatia) (Amphibia, Reptilia). Herpetozoa 10, 85–88.

von Frauenfeld, G.R., 1854. Reise an der Küste Dalmatiens. Verhandlungen des zoologisch-botanischen Vereins in Wien 4, 445–462.

Werner, F., 1908. Die zoologische Reise des naturwissenschaftlichen Vereines nach Dalmatien im April 1906. A. Allgemeiner Teil. Bericht über den Verlauf der Reise. 3. Streifzüge der Ostpartie. Mitteilungen des Naturwissenschaftlichen Vereines an der Universität Wien 6, 12–18.

Werner, F., 1904. Zur Kenntnis der Lacerta danfordi Gthr. und der oxycephalen Eidechsen überhaupt. Zoologischer Anzeiger 27, 254–259.

Werner, F., 1899. Beiträge zur Kenntniss der Reptilien- und Batrachierfauna der Balkanhalbinsel. Wiss. Mitt. Bosn. Herceg. 6, 817–841.

Werner, F., 1898. Prilozi poznavanju faune reptilija i batrahija Balkanskog poluostrva. Glasnik Zemaljskog muzeja u Bosni i Hercegovini 10, 131–156.

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

5.1 Surface area	13400
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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 c) Unknown x d) Method

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5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	There is an isolated population in the town of Osor, on Cres Island, which was introduced several decades ago. Since then, it has beome established there, although localised. Here we consider it a part of the established range.

6. Population

6.1 Year or period	2007-2018	
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	207
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 expert opinion with very limited data	
6.7 Short-term trend Period	2007-2018	
6.8 Short-term trend Direction	Unknown (x)	
6.9 Short-term trend Magnitude	a) Minimum	
	b) Maximum	
	c) Confidence interval	
6.10 Short-term trend Method used	Insufficient or no data available	
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	
	c) Unknown	x
	d) Method	
6.16 Change and reason for change in population size	The change is mainly due to:	

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

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 expert opinion with very limited data	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M

Threat	Ranking
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Change of habitat location, size, and / or quality due to climate change (N05)	M

8.2 Sources of information

8.3 Additional information

9. Conservation measures

9.1 Status of measures	a) Are measures needed?	No
	b) Indicate the status of measures	

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

9.2 Main purpose of the measures taken

9.3 Location of the measures taken

9.4 Response to the measures

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

10.1 Future prospects of parameters

a) Range   Unknown

b) Population   Unknown

c) Habitat of the species   Unknown

10.2 Additional information

11. Conclusions

11.1. Range   Unknown (XX)

11.2. Population   Unknown (XX)

11.3. Habitat for the species   Unknown (XX)

11.4. Future prospects   Unknown (XX)

11.5 Overall assessment of Conservation Status   Unknown (XX)

11.6 Overall trend in Conservation Status

11.7 Change and reasons for change in conservation status and conservation status trend

a) Overall assessment of conservation status

The change is mainly due to:

b) Overall trend in conservation status

The change is mainly due to:

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

b) Minimum

c) Maximum

d) Best single value

12.2 Type of estimate

12.3 Population size inside the network Method used

12.4 Short-term trend of population size within the network Direction

12.5 Short-term trend of population size within the network Method used

12.6 Additional information

13. Complementary information

13.1 Justification of % thresholds for trends

13.2 Trans-boundary assessment

13.3 Other relevant Information

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

1. General information

1.1 Member State	**HR**
1.2 Species code	**6342**
1.3 Species scientific name	**Dinarolacerta mosorensis**
1.4 Alternative species scientific name	Lacerta mosorensis
1.5 Common name (in national language)	mosorska gušterica

2. Maps

2.1 Sensitive species	No
2.2 Year or period	1989-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited 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

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

Mediterranean (MED)

4.2 Sources of information

Bischoff, W., 1984. Lacerta mosorensis Kolombatović, 1886, Mosor-Eidechse, in: Böhme, W. (Ed.), Handbuch der Reptilien und Amphibien Europas, Echsen II (Lacerta). Aula Verlag, Wiesbaden, pp. 290–300.

Burić, I., Merdan, S., Lisičić, D., 2018. Top or bottom? Coexistence of two petrophilous lizard species on Mt. Biokovo, Croatia.

Džukić, G., 1989. Remarks on Distribution and Protection Problems of the Mosor Rock Lizard, Lacerta mosorensis Kolombatović, 1886 (Reptilia, Lacertidae). Biologia Gallo-helenica 15, 185–190.

Mršić, N., 1987. Prilog poznavanju gmazova (Reptilia) Biokova. Acta Biokovica 4, 277–306.

Podnar, M., Bruvo Mađarić, B., Mayer, W., 2014. Non-concordant phylogeographical patterns of three widely codistributed endemic Western Balkans lacertid lizards (Reptilia, Lacertidae) shaped by specific habitat requirements and different responses to Pleistocene climatic oscillations. Journal of Zoological Systematics and Evolutionary Research 52, 119–129. https://doi.org/10.1111/jzs.12056

Šalamon, D., Sterijovski, B., Šilić, T., 2005. Inventarizacija herpetofaune Parka prirode "Biokovo," in: Mazija, M.V.V. (Ed.), Zbornik istraživačkih radova Udruge studenata biologije - BIUS u Parku prirode Biokovo. Udruga studenata biologije - BIUS, Zagreb, pp. 32–38.

Steindachner, F., 1892. Ueber die typischen Exemplare von Lacerta mosorensis Kolomb. (1886) (= Lacerta koritana Tom., 1889). Annalen des K.K. Naturhistorischen Hofmuseums 8, 235–240.

Tvrtković, N., Kletečki, E., 1993. Preliminarna istraživanja terestričkih kralješnjaka Biokova. Acta Biokovica 6, 11–18.

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

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb

5. Range

5.1 Surface area	1100
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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
	c) Unknown x
	d) Method
5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	Two locations, Opor and Kozjak, have not been confirmed in recent years. Research efforts in 2017 yielded no findings of this secretive and hard to find species. However, this does not necesarily mean it went extinct there, therefore the locations are still included in this report.

6. Population

6.1 Year or period	2007-2018
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 25
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 expert opinion with very limited data
6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Unknown (x)

6.9 Short-term trend Magnitude	a) Minimum
	b) Maximum
	c) Confidence interval
6.10 Short-term trend Method used	Insufficient or no data available
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
	c) Unknown x
	d) Method
6.16 Change and reason for change in population size	The change is mainly due to:
6.17 Additional information	Two locations, Opor and Kozjak, have not been confirmed in recent years. Research efforts in 2017 yielded no findings of this secretive and hard to find species. However, this does not necesarily mean it went extinct there, therefore the finds from those locations are still included in the population size.

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)?	Unknown
	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	Insufficient or no data available
7.3 Short-term trend Period	2007-2018
7.4 Short-term trend Direction	Unknown (x)
7.5 Short-term trend Method used	Insufficient or no data available
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
Change of habitat location, size, and / or quality due to	M

climate change (N05)

Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M

Threat	Ranking
Change of habitat location, size, and / or quality due to climate change (N05)	H
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Creation or development of sports, tourism and leisure infrastructure (outside the urban or recreational areas) (F05)	M
Wind, wave and tidal power, including infrastructure (D01)	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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)
11.6 Overall trend in Conservation Status	

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

11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status
	The change is mainly due to:
	b) Overall trend in conservation status
	The change is mainly due to:
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	24
12.2 Type of estimate	Minimum	
12.3 Population size inside the network Method used	Based mainly on expert opinion with very limited data	
12.4 Short-term trend of population size within the network Direction	Unknown (x)	
12.5 Short-term trend of population size within the network Method used	Insufficient or no data available	
12.6 Additional information		

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

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

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1. General information

1.1 Member State	**HR**
1.2 Species code	**5676**
1.3 Species scientific name	**Iberolacerta horvathi**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	Horvatova gušterica

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2007-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Insufficient or no data available
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	

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Alpine (ALP)**
4.2 Sources of information	Jelić, D., Kuljerić, M., Koren, T., Treer, D., Šalamon, D., Lončar, M., Podnar Lešić, M., Janev Hutinec, B., Bogdanović, T., Mekinić, S., Jelić, K., 2012. Crvena knjiga vodozemaca i gmazova Hrvatske. Ministarstvo zaštite okoliša i prirode, Državni zavod za zaštitu prirode, Republika Hrvatska.
	Žagar, A., Carretero, M.A., Krofel, M., Lužnik, M., Podnar, M., Tvrtković, N., 2014. Reptile survey in Dinara mountain (Croatia) revealed the southernmost known population of Horvath's rock lizard (Iberolacerta horvathi). Nat. Croat. 23, 235–240.
	M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

5.1 Surface area	2000	
5.2 Short-term trend Period	2007-2018	
5.3 Short-term trend Direction	Unknown (x)	
5.4 Short-term trend Magnitude	a) Minimum	b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available	
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		

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

5.10 Favourable reference range	a) Area (km²)	
	b) Operator	
	c) Unknown	x
	d) Method	

| 5.11 Change and reason for change in surface area of range | | |
| | The change is mainly due to: | |

| 5.12 Additional information | |

6. Population

| 6.1 Year or period | 2007-2018 |

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	14

| 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 expert opinion with very limited data |

| 6.7 Short-term trend Period | 2007-2018 |

| 6.8 Short-term trend Direction | Unknown (x) |

6.9 Short-term trend Magnitude	a) Minimum	
	b) Maximum	
	c) Confidence interval	

| 6.10 Short-term trend Method used | Insufficient or no data available |

| 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	
	c) Unknown	x
	d) Method	

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

6.16 Change and reason for change in population size	The change is mainly due to:
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)?	Unknown
	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	Insufficient or no data available	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
No information on pressures (Xp)	

Threat	Ranking
Change of habitat location, size, and / or quality due to climate change (N05)	H
Reduced fecundity / genetic depression (e.g. inbreeding or endogamy) (L05)	M

8.2 Sources of information	
8.3 Additional information	

9. Conservation measures

9.1 Status of measures	a) Are measures needed?	No
	b) Indicate the status of measures	
9.2 Main purpose of the measures taken		
9.3 Location of the measures taken		
9.4 Response to the measures		

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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

10.1 Future prospects of parameters

a) Range	Unknown
b) Population	Unknown
c) Habitat of the species	Unknown

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)

11.6 Overall trend in Conservation Status

11.7 Change and reasons for change in conservation status and conservation status trend

a) Overall assessment of conservation status

The change is mainly due to:

b) Overall trend in conservation status

The change is mainly due to:

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

b) Minimum

c) Maximum

d) Best single value

12.2 Type of estimate

12.3 Population size inside the network Method used

12.4 Short-term trend of population size within the network Direction

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

12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Mediterranean (MED)**
4.2 Sources of information	Jelić, D., Kuljerić, M., Koren, T., Treer, D., Šalamon, D., Lončar, M., Podnar Lešić, M., Janev Hutinec, B., Bogdanović, T., Mekinić, S., Jelić, K., 2012. Crvena knjiga vodozemaca i gmazova Hrvatske. Ministarstvo zaštite okoliša i prirode, Državni zavod za zaštitu prirode, Republika Hrvatska. Žagar, A., Carretero, M.A., Krofel, M., Lužnik, M., Podnar, M., Tvrtković, N., 2014. Reptile survey in Dinara mountain (Croatia) revealed the southernmost known population of Horvath's rock lizard (Iberolacerta horvathi). Nat. Croat. 23, 235–240. M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

5.1 Surface area	800	
5.2 Short-term trend Period	2007-2018	
5.3 Short-term trend Direction	Unknown (x)	
5.4 Short-term trend Magnitude	a) Minimum	b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available	
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	

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	c) Unknown	x
	d) Method	

5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2007-2018	
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	21
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 expert opinion with very limited data	
6.7 Short-term trend Period	2007-2018	
6.8 Short-term trend Direction	Unknown (x)	
6.9 Short-term trend Magnitude	a) Minimum	
	b) Maximum	
	c) Confidence interval	
6.10 Short-term trend Method used	Insufficient or no data available	
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	
	c) Unknown	x
	d) Method	
6.16 Change and reason for change in population size	The change is mainly due to:	

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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)?	Unknown
	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	Insufficient or no data available	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
No information on pressures (Xp)	

Threat	Ranking
Reduced fecundity / genetic depression (e.g. inbreeding or endogamy) (L05)	M
Change of habitat location, size, and / or quality due to climate change (N05)	H

8.2 Sources of information
8.3 Additional information

9. Conservation measures

9.1 Status of measures	a) Are measures needed?	No
	b) Indicate the status of measures	
9.2 Main purpose of the measures taken		
9.3 Location of the measures taken		
9.4 Response to the measures		
9.5 List of main conservation measures		

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

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)
11.6 Overall trend in Conservation Status	
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status The change is mainly due to: b) Overall trend in conservation status The change is mainly due to:

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
	b) Minimum
	c) Maximum
	d) Best single value

12.2 Type of estimate

12.3 Population size inside the network Method used

12.4 Short-term trend of population size within the network Direction

12.5 Short-term trend of population size within the network Method used

12.6 Additional information

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

13. Complementary information

13.1 Justification of % thresholds for trends

13.2 Trans-boundary assessment

13.3 Other relevant Information

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

1. General information

1.1 Member State	**HR**
1.2 Species code	**1261**
1.3 Species scientific name	**Lacerta agilis**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	livadna gušterica

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2007-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited data
2.5 Additional maps	Yes

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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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

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

Alpine (ALP)

4.2 Sources of information

Baškiera, S., Koller, K., 2016. Istraživanje vodozemaca i gmazova na području šume Žutice, izvještaj za 2016. godinu (završni izvještaj). Hrvatsko herpetološko društvo – Hyla, Zagreb.

Cesarec, R., Zadravec, M., 2018. First record of the erythronotus color morph in Lacerta agilis bosnica SCHREIBER, 1912, from Croatia. Herpetozoa 31, 101–102.

Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D

Jelić, D., 2010. First record of the erythronotus coloration morph in Lacerta agilis argus Laurenti, 1768 from Croatia. Natura Croatica 19, 459–462.

Vilaj, I., 2014. Doprinos poznavanju herpetofaune otoka Hvara, in: Barišić, M., Burić, I., Gazić, M., Sučić, I. (Eds.), Istraživanje bioraznolikosti otoka Hvara 2011. Udruga studenata biologije - BIUS, Zagreb, pp. 136–156.

Vilaj, I., Dvorski, P., 2014. First record of the erythronotus colouration in a female individual Lacerta agilis (Laurenti, 1768) in Croatia. Hyla : Herpetological bulletin 2014, 25–26.

Žagar, A., Carretero, M.A., Krofel, M., Lužnik, M., Podnar, M., Tvrtković, N., 2014. Reptile survey in Dinara mountain (Croatia) revealed the southernmost known population of Horvath's rock lizard (Iberolacerta horvathi). Nat. Croat. 23, 235–240.

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

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5. Range

5.1 Surface area	6200
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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
	c) Unknown x
	d) Method
5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2007-2018
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 98
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 expert opinion with very limited data
6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Unknown (x)
6.9 Short-term trend Magnitude	a) Minimum
	b) Maximum
	c) Confidence interval
6.10 Short-term trend Method used	Insufficient or no data available

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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	
	c) Unknown	x
	d) Method	
6.16 Change and reason for change in population size	The change is mainly due to:	
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 expert opinion with very limited data	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
Use of plant protection chemicals in agriculture (A21)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Intensive grazing or overgrazing by livestock (A09)	M
Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	M

Threat	Ranking
Use of plant protection chemicals in agriculture (A21)	M

Conversion into agricultural land (excluding drainage and burning) (A01)	M
Intensive grazing or overgrazing by livestock (A09)	M
Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	M
Change of habitat location, size, and / or quality due to climate change (N05)	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, 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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)

11.6 Overall trend in Conservation Status

11.7 Change and reasons for change in conservation status and conservation status trend

a) Overall assessment of conservation status

The change is mainly due to:

b) Overall trend in conservation status

The change is mainly due to:

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

b) Minimum

c) Maximum

d) Best single value

12.2 Type of estimate

12.3 Population size inside the network Method used

12.4 Short-term trend of population size within the network Direction

12.5 Short-term trend of population size within the network Method used

12.6 Additional information

13. Complementary information

13.1 Justification of % thresholds for trends

13.2 Trans-boundary assessment

13.3 Other relevant Information

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

Continental (CON)

4.2 Sources of information

Baškiera, S., Koller, K., 2016. Istraživanje vodozemaca i gmazova na području šume Žutice, izvještaj za 2016. godinu (završni izvještaj). Hrvatsko herpetološko društvo – Hyla, Zagreb.

Cesarec, R., Zadravec, M., 2018. First record of the erythronotus color morph in Lacerta agilis bosnica SCHREIBER, 1912, from Croatia. Herpetozoa 31, 101–102.

Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017.

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

The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D

Jelić, D., 2010. First record of the erythronotus coloration morph in Lacerta agilis argus Laurenti, 1768 from Croatia. Natura Croatica 19, 459–462.

Vilaj, I., 2014. Doprinos poznavanju herpetofaune otoka Hvara, in: Barišić, M., Burić, I., Gazić, M., Sučić, I. (Eds.), Istraživanje bioraznolikosti otoka Hvara 2011. Udruga studenata biologije - BIUS, Zagreb, pp. 136–156.

Vilaj, I., Dvorski, P., 2014. First record of the erythronotus colouration in a female individual Lacerta agilis (Laurenti, 1768) in Croatia. Hyla : Herpetological bulletin 2014, 25–26.

Žagar, A., Carretero, M.A., Krofel, M., Lužnik, M., Podnar, M., Tvrtković, N., 2014. Reptile survey in Dinara mountain (Croatia) revealed the southernmost known population of Horvath's rock lizard (Iberolacerta horvathi). Nat. Croat. 23, 235–240.

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

5.1 Surface area	25600
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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 c) Unknown x d) Method
5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2007-2018
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 232

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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 expert opinion with very limited data
6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Unknown (x)
6.9 Short-term trend Magnitude	a) Minimum b) Maximum c) Confidence interval
6.10 Short-term trend Method used	Insufficient or no data available
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 c) Unknown x d) Method
6.16 Change and reason for change in population size	The change is mainly due to:
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)?	Unknown
	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	Insufficient or no data available	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
7.6 Long-term trend Period		
7.7 Long-term trend Direction		

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8. Main pressures and threats

8.1 Characterisation of pressures/threats

Pressure	Ranking
Use of plant protection chemicals in agriculture (A21)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Conversion from one type of agricultural land use to another (excluding drainage and burning) (A02)	M
Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	M

Threat	Ranking
Use of plant protection chemicals in agriculture (A21)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Conversion from one type of agricultural land use to another (excluding drainage and burning) (A02)	M
Change of habitat location, size, and / or quality due to climate change (N05)	M
Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	H

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

10. Future prospects

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

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

| 10.2 Additional information | |

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)
11.6 Overall trend in Conservation Status	
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status The change is mainly due to: b) Overall trend in conservation status The change is mainly due to:
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 b) Minimum c) Maximum d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

| 13.1 Justification of % thresholds for trends | |

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

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

1. General information

1.1 Member State	**HR**
1.2 Species code	**5179**
1.3 Species scientific name	**Lacerta bilineata**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	zapadnomediteranski zelembać

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2016
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited data
2.5 Additional maps	Yes

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)

<table>
<tr><td rowspan="4">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>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>Min. (raw, ie. not rounded)</td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
</table>

	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

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

Mediterranean (MED)

4.2 Sources of information

Marzahn, E., Mayer, W., Joger, U., Ilgaz, Ç., Jablonski, D., Kindler, C., Kumlutaş, Y., Nistri, A., Schneeweiss, N., Vamberger, M., Žagar, A., Fritz, U., 2016. Phylogeography of the Lacerta viridis complex: mitochondrial and nuclear markers provide taxonomic insights. Journal of Zoological Systematics and Evolutionary Research n/a-n/a. https://doi.org/10.1111/jzs.12115
Tóth, T., Farkas, B., Géczy, C., Molnár, Z., 2009. Herpetofaunal data from Ilovik and neighboring islets (Cres-Lošinj Archipelago, Croatia). Herpetozoa 22, 82–87.
M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

5.1 Surface area	1900
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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 | | |
| | The change is mainly due to: | |

| 5.12 Additional information | According to the latest (phylo)genetic research, L. bilineata is curently only reliably known from Cres island in Croatia. Records from other areas are thus discounted. This may or may not change in the future, as additional samples are analised (Marzahn et al., 2016). |

6. Population

6.1 Year or period	2007-2018	
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	1
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 expert opinion with very limited data	
6.7 Short-term trend Period	2007-2018	
6.8 Short-term trend Direction	Unknown (x)	
6.9 Short-term trend Magnitude	a) Minimum	
	b) Maximum	
	c) Confidence interval	
6.10 Short-term trend Method used	Insufficient or no data available	
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	Much more than (>>)
	c) Unknown	
	d) Method	

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6.16 Change and reason for change in population size	The change is mainly due to:

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 expert opinion with very limited data	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
Abandonment of management/use of other agricultural and agroforestry systems (all except grassland) (A07)	M
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Reduced fecundity / genetic depression (e.g. inbreeding or endogamy) (L05)	M
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M

Threat	Ranking
Abandonment of management/use of other agricultural and agroforestry systems (all except grassland) (A07)	M
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Reduced fecundity / genetic depression (e.g. inbreeding or endogamy) (L05)	M
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M

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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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unfavourable - Bad (U2)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unfavourable - Bad (U2)
11.6 Overall trend in Conservation Status	Unknown (x)

11.7 Change and reasons for change in conservation status and conservation status trend

a) Overall assessment of conservation status

The change is mainly due to:

b) Overall trend in conservation status

The change is mainly due to:

11.8 Additional information

Although 11.2 and 11.5 are here reported as in the red, this does not necesarily reflect a bad condition in reality. In stead, the former is simply because of a lack of records, after recent (phylo)genetic studies, while the latter results from the former.

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

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 b) Minimum c) Maximum d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

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1. General information

1.1 Member State	**HR**
1.2 Species code	**1251**
1.3 Species scientific name	**Lacerta trilineata**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	veliki zelembać

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2007-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited data
2.5 Additional maps	Yes

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

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

Alpine (ALP)

4.2 Sources of information

Dajčman, U., 2017. Poročilo o delu skupine za plazilce, in: Ekosistemi Balkana, Vransko jezero 2016. Društvo študentov biologije, Ljubljana, pp. 66–72.

Drašler, K., 2014. Poročilo o delu skupine za plazilce, in: Ekosistemi Jadrana 2011 - delta Neretve. Društvo študentov biologije, Ljubljana, pp. 35–41.

Durbešić, P., Đulić, B., 1989. Preliminarni podaci o istraženosti kopnene faune otoka Lokruma, in: Zbornik radova sa Simpozija održanog od 8. - 11.9.1987. u Dubrovniku u organizaciji Sveučilišta u Zagrebu. Hrvatsko ekološko društvo, Dubrovnik, pp. 265–277.

Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D

Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40.

Schweiger, M., 2008. Report on my trips to the Croatian island Krk, from May 11th till May 17th, and from July 3rd till July 12th 2008. VipersGarden - Amphibians and Reptiles of Europe and the Mediterranean. URL http://vipersgarden.at/reports/krk08.php (accessed 10.26.18).

Žagar, A., Carretero, M.A., Krofel, M., Lužnik, M., Podnar, M., Tvrtković, N., 2014. Reptile survey in Dinara mountain (Croatia) revealed the southernmost known population of Horvath's rock lizard (Iberolacerta horvathi). Nat. Croat. 23, 235–240.

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

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5. Range

5.1 Surface area	100
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum　　　　　　　　　b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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 c) Unknown　　　　x d) Method
5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2007-2018
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　　1
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 expert opinion with very limited data
6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Unknown (x)
6.9 Short-term trend Magnitude	a) Minimum b) Maximum c) Confidence interval
6.10 Short-term trend Method used	Insufficient or no data available

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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	
	c) Unknown	x
	d) Method	
6.16 Change and reason for change in population size	The change is mainly due to:	
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)?	Unknown
	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	Insufficient or no data available	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
Abandonment of management/use of other agricultural and agroforestry systems (all except grassland) (A07)	M
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Reduced fecundity / genetic depression (e.g. inbreeding or endogamy) (L05)	M

Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M

Threat	Ranking
Abandonment of management/use of other agricultural and agroforestry systems (all except grassland) (A07)	M
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Reduced fecundity / genetic depression (e.g. inbreeding or endogamy) (L05)	M
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)

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11.6 Overall trend in Conservation Status	
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status
	The change is mainly due to:
	b) Overall trend in conservation status
	The change is mainly due to:
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 b) Minimum c) Maximum d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

BIOGEOGRAPHICAL LEVEL

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Mediterranean (MED)**

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

4.2 Sources of information	Dajčman, U., 2017. Poročilo o delu skupine za plazilce, in: Ekosistemi Balkana, Vransko jezero 2016. Društvo študentov biologije, Ljubljana, pp. 66–72.
	Drašler, K., 2014. Poročilo o delu skupine za plazilce, in: Ekosistemi Jadrana 2011 - delta Neretve. Društvo študentov biologije, Ljubljana, pp. 35–41.
	Durbešić, P., Đulić, B., 1989. Preliminarni podaci o istraženosti kopnene faune otoka Lokruma, in: Zbornik radova sa Simpozija održanog od 8. - 11.9.1987. u Dubrovniku u organizaciji Sveučilišta u Zagrebu. Hrvatsko ekološko društvo, Dubrovnik, pp. 265–277.
	Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D
	Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40.
	Schweiger, M., 2008. Report on my trips to the Croatian island Krk, from May 11th till May 17th, and from July 3rd till July 12th 2008. VipersGarden - Amphibians and Reptiles of Europe and the Mediterranean. URL http://vipersgarden.at/reports/krk08.php (accessed 10.26.18).
	Žagar, A., Carretero, M.A., Krofel, M., Lužnik, M., Podnar, M., Tvrtković, N., 2014. Reptile survey in Dinara mountain (Croatia) revealed the southernmost known population of Horvath's rock lizard (Iberolacerta horvathi). Nat. Croat. 23, 235–240.
	M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

5.1 Surface area	16400	
5.2 Short-term trend Period	2007-2018	
5.3 Short-term trend Direction	Unknown (x)	
5.4 Short-term trend Magnitude	a) Minimum	b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available	
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	
	c) Unknown	x
	d) Method	
5.11 Change and reason for change in surface area of range		
	The change is mainly due to:	
5.12 Additional information		

6. Population

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

6.1 Year or period	2007-2018

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	350

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 expert opinion with very limited data
6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Unknown (x)

6.9 Short-term trend Magnitude	a) Minimum
	b) Maximum
	c) Confidence interval

6.10 Short-term trend Method used	Insufficient or no data available
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	
	c) Unknown	x
	d) Method	

6.16 Change and reason for change in population size	
	The change is mainly due to:

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)?	

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7.2 Sufficiency of area and quality of occupied habitat Method used	Based mainly on expert opinion with very limited data
7.3 Short-term trend Period	2007-2018
7.4 Short-term trend Direction	Unknown (x)
7.5 Short-term trend Method used	Insufficient or no data available
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
Abandonment of management/use of other agricultural and agroforestry systems (all except grassland) (A07)	M
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Reduced fecundity / genetic depression (e.g. inbreeding or endogamy) (L05)	M
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M

Threat	Ranking
Abandonment of management/use of other agricultural and agroforestry systems (all except grassland) (A07)	M
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Reduced fecundity / genetic depression (e.g. inbreeding or endogamy) (L05)	M
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	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		

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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)

11.6 Overall trend in Conservation Status

11.7 Change and reasons for change in conservation status and conservation status trend

a) Overall assessment of conservation status

The change is mainly due to:

b) Overall trend in conservation status

The change is mainly due to:

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

b) Minimum

c) Maximum

d) Best single value

12.2 Type of estimate

12.3 Population size inside the network Method used

12.4 Short-term trend of population size within the network Direction

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12.5 Short-term trend of population
size within the network Method used

12.6 Additional information

13. Complementary information

13.1 Justification of % thresholds for
trends

13.2 Trans-boundary assessment

13.3 Other relevant Information

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1. General information

1.1 Member State	**HR**
1.2 Species code	**1263**
1.3 Species scientific name	**Lacerta viridis**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	zelembać

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2007-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited data
2.5 Additional maps	Yes

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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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

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

Continental (CON)

4.2 Sources of information

Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D
Jelić, D., Karaica, D., 2012. First data on the fauna of amphibians and reptiles of the lower Una River and its coastal area. Hyla : Herpetological bulletin 2012, 22–41.
Žagar, A., Carretero, M.A., Krofel, M., Lužnik, M., Podnar, M., Tvrtković, N., 2014. Reptile survey in Dinara mountain (Croatia) revealed the southernmost known population of Horvath's rock lizard (Iberolacerta horvathi). Nat. Croat. 23, 235–240.
M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

5.1 Surface area	30500
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
5.6 Long-term trend Period	
5.7 Long-term trend Direction	

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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		
	The change is mainly due to:	
5.12 Additional information		

6. Population

6.1 Year or period	2007-2018
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	384
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 expert opinion with very limited data
6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Unknown (x)
6.9 Short-term trend Magnitude	a) Minimum
	b) Maximum
	c) Confidence interval
6.10 Short-term trend Method used	Insufficient or no data available
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
	c) Unknown	x

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	d) Method	
6.16 Change and reason for change in population size	The change is mainly due to:	
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)?	Unknown
	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	Insufficient or no data available	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	M
Use of plant protection chemicals in agriculture (A21)	M
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M

Threat	Ranking
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	M
Use of plant protection chemicals in agriculture (A21)	M

Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)

11.6 Overall trend in Conservation Status

11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status
	The change is mainly due to:
	b) Overall trend in conservation status
	The change is mainly due to:

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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 b) Minimum c) Maximum d) Best single value

12.2 Type of estimate

12.3 Population size inside the network Method used

12.4 Short-term trend of population size within the network Direction

12.5 Short-term trend of population size within the network Method used

12.6 Additional information

13. Complementary information

13.1 Justification of % thresholds for trends

13.2 Trans-boundary assessment

13.3 Other relevant Information

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Alpine (ALP)**
4.2 Sources of information	Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D Jelić, D., Karaica, D., 2012. First data on the fauna of amphibians and reptiles of the lower Una River and its coastal area. Hyla : Herpetological bulletin 2012, 22–41. Žagar, A., Carretero, M.A., Krofel, M., Lužnik, M., Podnar, M., Tvrtković, N., 2014. Reptile survey in Dinara mountain (Croatia) revealed the southernmost known population of Horvath's rock lizard (Iberolacerta horvathi). Nat. Croat. 23, 235–240.

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5. Range

5.1 Surface area	10300
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2007-2018
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 162
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 expert opinion with very limited data
6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Unknown (x)

6.9 Short-term trend Magnitude	a) Minimum
	b) Maximum
	c) Confidence interval
6.10 Short-term trend Method used	Insufficient or no data available
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
	c) Unknown x
	d) Method
6.16 Change and reason for change in population size	The change is mainly due to:
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 expert opinion with very limited data
7.3 Short-term trend Period	2007-2018
7.4 Short-term trend Direction	Unknown (x)
7.5 Short-term trend Method used	Insufficient or no data available
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
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M

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Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	M
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M

Threat	Ranking
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	M
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)

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11.6 Overall trend in Conservation Status	
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status
	The change is mainly due to:
	b) Overall trend in conservation status
	The change is mainly due to:
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 b) Minimum c) Maximum d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	Mediterranean (MED)

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4.2 Sources of information	Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D
	Jelić, D., Karaica, D., 2012. First data on the fauna of amphibians and reptiles of the lower Una River and its coastal area. Hyla : Herpetological bulletin 2012, 22–41.
	Žagar, A., Carretero, M.A., Krofel, M., Lužnik, M., Podnar, M., Tvrtković, N., 2014. Reptile survey in Dinara mountain (Croatia) revealed the southernmost known population of Horvath's rock lizard (Iberolacerta horvathi). Nat. Croat. 23, 235–240.
	M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

5.1 Surface area	7800	
5.2 Short-term trend Period	2007-2018	
5.3 Short-term trend Direction	Unknown (x)	
5.4 Short-term trend Magnitude	a) Minimum	b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available	
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 c) Unknown x d) Method	
5.11 Change and reason for change in surface area of range	The change is mainly due to:	
5.12 Additional information		

6. Population

6.1 Year or period	2007-2018	
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	72
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 expert opinion with very limited data
6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Unknown (x)
6.9 Short-term trend Magnitude	a) Minimum
	b) Maximum
	c) Confidence interval
6.10 Short-term trend Method used	Insufficient or no data available
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
	c) Unknown x
	d) Method
6.16 Change and reason for change in population size	The change is mainly due to:
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 expert opinion with very limited data	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
7.6 Long-term trend Period		
7.7 Long-term trend Direction		
7.8 Long-term trend Method used		

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8. Main pressures and threats

8.1 Characterisation of pressures/threats

Pressure	Ranking
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Abandonment of management/use of other agricultural and agroforestry systems (all except grassland) (A07)	M
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M

Threat	Ranking
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Abandonment of management/use of other agricultural and agroforestry systems (all except grassland) (A07)	M
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

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11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)
11.6 Overall trend in Conservation Status	
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status The change is mainly due to: b) Overall trend in conservation status The change is mainly due to:
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 b) Minimum c) Maximum d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

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1. General information

1.1 Member State	**HR**
1.2 Species code	**1241**
1.3 Species scientific name	**Podarcis melisellensis**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	krška gušterica

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2007-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited data
2.5 Additional maps	Yes

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

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

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

Alpine (ALP)

4.2 Sources of information

Bruno, S., 1988. L'erpetofauna delle isole di Cres, Krk e Ada (Jugoslavia-Albania). Bull. Ecol. 19, 265–281.

Budinski, I., Kuljerić, M., Jelić, D., Čulina, A., 2008. Vodozemci i gmazovi Nacionalnog parka Mljet. Rasprostranjenost, ugroženost i mjere zaštite. Hrvatsko herpetološko društvo – Hyla, Zagreb.

Drašler, K., 2014. Poročilo o delu skupine za plazilce, in: Ekosistemi Jadrana 2011 - delta Neretve. Društvo študentov biologije, Ljubljana, pp. 35–41.

Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D

Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40.

Koren, T., Lauš, B., Burić, I., Kuljerić, M., 2011. Contribution to the herpetofauna (amphibians & reptiles) of the Kornati archipelago, Croatia. Natura Croatica 20, 387–396.

Lauš, B., 2010. A contribution to the herpetofauna of Žirje Island (Dalmatia, Croatia). Natura Sloveniae 12, 61–63.

Sopotnik, M., Vamberger, M., 2016. Poročilno skupin za dvoživke in plazilce, in: Ekosistemi Jadrana - Mljet 2008, Ekosistemi Jadrana. Društvo študentov biologije, Ljubljana, pp. 38–42.

Tóth, T., Farkas, B., Géczy, C., Molnár, Z., 2009. Herpetofaunal data from Ilovik and neighboring islets (Cres-Lošinj Archipelago, Croatia). Herpetozoa 22, 82–87.

Tóth, T., Heltai, M., Keszi, A., Sušić, G., Moharos, L., Farkas, B., Géczy, C., Torda,

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O., Gál, J., 2017. Herpetofauna inventory of the small islands of the Cres–Lošinj Archipelago (North Adriatic Sea, Croatia) (Amphibia; Reptilia). Herpetozoa 30, 21–28.

Vamberger, M., 2012. Poročilo skupine za dvoživke in plazilce, in: Ekosistemi Jadrana, Pag 2007. Društvo študentov biologije, Ljubljana, pp. 10–17.

Žagar, A., Carretero, M.A., Krofel, M., Lužnik, M., Podnar, M., Tvrtković, N., 2014. Reptile survey in Dinara mountain (Croatia) revealed the southernmost known population of Horvath's rock lizard (Iberolacerta horvathi). Nat. Croat. 23, 235–240.

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvansti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

5.1 Surface area	3000
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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 c) Unknown x d) Method
5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2007-2018
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 36
6.3 Type of estimate	Minimum
6.4 Additional population size (using population unit other than reporting unit)	a) Unit b) Minimum c) Maximum

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	d) Best single value	
6.5 Type of estimate		
6.6 Population size Method used	Based mainly on expert opinion with very limited data	
6.7 Short-term trend Period	2007-2018	
6.8 Short-term trend Direction	Unknown (x)	
6.9 Short-term trend Magnitude	a) Minimum b) Maximum c) Confidence interval	
6.10 Short-term trend Method used	Insufficient or no data available	
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 c) Unknown d) Method	x
6.16 Change and reason for change in population size	The change is mainly due to:	
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)?	Unknown
	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	Insufficient or no data available	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
7.6 Long-term trend Period		
7.7 Long-term trend Direction		
7.8 Long-term trend Method used		
7.9 Additional information		

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8. Main pressures and threats

8.1 Characterisation of pressures/threats

Pressure	Ranking
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M
Invasive alien species of Union concern (I01)	M

Threat	Ranking
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M
Invasive alien species of Union concern (I01)	M

8.2 Sources of information	
8.3 Additional information	IAS union concern : Herpestes javanicus É. Geoffroy Saint-Hilaire, 1818;

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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)

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11.6 Overall trend in Conservation Status	
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status
	The change is mainly due to:
	b) Overall trend in conservation status
	The change is mainly due to:
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 b) Minimum c) Maximum d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Mediterranean (MED)**

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4.2 Sources of information	Bruno, S., 1988. L'erpetofauna delle isole di Cres, Krk e Ada (Jugoslavia-Albania). Bull. Ecol. 19, 265–281.
	Budinski, I., Kuljerić, M., Jelić, D., Čulina, A., 2008. Vodozemci i gmazovi Nacionalnog parka Mljet. Rasprostranjenost, ugroženost i mjere zaštite. Hrvatsko herpetološko društvo – Hyla, Zagreb.
	Drašler, K., 2014. Poročilo o delu skupine za plazilce, in: Ekosistemi Jadrana 2011 - delta Neretve. Društvo študentov biologije, Ljubljana, pp. 35–41.
	Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D
	Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40.
	Koren, T., Lauš, B., Burić, I., Kuljerić, M., 2011. Contribution to the herpetofauna (amphibians & reptiles) of the Kornati archipelago, Croatia. Natura Croatica 20, 387–396.
	Lauš, B., 2010. A contribution to the herpetofauna of Žirje Island (Dalmatia, Croatia). Natura Sloveniae 12, 61–63.
	Sopotnik, M., Vamberger, M., 2016. Poročilno skupin za dvoživke in plazilce, in: Ekosistemi Jadrana - Mljet 2008, Ekosistemi Jadrana. Društvo študentov biologije, Ljubljana, pp. 38–42.
	Tóth, T., Farkas, B., Géczy, C., Molnár, Z., 2009. Herpetofaunal data from Ilovik and neighboring islets (Cres-Lošinj Archipelago, Croatia). Herpetozoa 22, 82–87.
	Tóth, T., Heltai, M., Keszi, A., Sušić, G., Moharos, L., Farkas, B., Géczy, C., Torda, O., Gál, J., 2017. Herpetofauna inventory of the small islands of the Cres–Lošinj Archipelago (North Adriatic Sea, Croatia) (Amphibia; Reptilia). Herpetozoa 30, 21–28.
	Vamberger, M., 2012. Poročilo skupine za dvoživke in plazilce, in: Ekosistemi Jadrana, Pag 2007. Društvo študentov biologije, Ljubljana, pp. 10–17.
	Žagar, A., Carretero, M.A., Krofel, M., Lužnik, M., Podnar, M., Tvrtković, N., 2014. Reptile survey in Dinara mountain (Croatia) revealed the southernmost known population of Horvath's rock lizard (Iberolacerta horvathi). Nat. Croat. 23, 235–240.
	M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

5.1 Surface area	33400	
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 expert opinion with very limited 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 (≈)

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c) Unknown
d) Method

5.11 Change and reason for change in surface area of range		
	The change is mainly due to:	
5.12 Additional information		

6. Population

6.1 Year or period	2007-2018	
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	841
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 expert opinion with very limited data	
6.7 Short-term trend Period	2007-2018	
6.8 Short-term trend Direction	Unknown (x)	
6.9 Short-term trend Magnitude	a) Minimum	
	b) Maximum	
	c) Confidence interval	
6.10 Short-term trend Method used	Insufficient or no data available	
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	
	c) Unknown	x
	d) Method	
6.16 Change and reason for change in population size		
	The change is mainly due to:	

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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 expert opinion with very limited data	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M
Invasive alien species of Union concern (I01)	M

Threat	Ranking
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M
Invasive alien species of Union concern (I01)	M

8.2 Sources of information	
8.3 Additional information	IAS union concern : Herpestes javanicus É. Geoffroy Saint-Hilaire, 1818;

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		
9.5 List of main conservation measures		

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9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Favourable (FV)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)
11.6 Overall trend in Conservation Status	
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status
	The change is mainly due to:
	b) Overall trend in conservation status
	The change is mainly due to:

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
	b) Minimum
	c) Maximum
	d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	

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

12.6 Additional information

13. Complementary information

13.1 Justification of % thresholds for trends

13.2 Trans-boundary assessment

13.3 Other relevant Information

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

1. General information

1.1 Member State	**HR**
1.2 Species code	**1256**
1.3 Species scientific name	**Podarcis muralis**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	zidna gušterica

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2007-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited data
2.5 Additional maps	Yes

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)

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

4. Biogeographical and marine regions

Mediterranean (MED)

Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D
Jelić, D., Karaica, D., 2012. First data on the fauna of amphibians and reptiles of the lower Una River and its coastal area. Hyla : Herpetological bulletin 2012, 22–41.
Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40.
Žagar, A., Carretero, M.A., Krofel, M., Lužnik, M., Podnar, M., Tvrtković, N., 2014. Reptile survey in Dinara mountain (Croatia) revealed the southernmost known population of Horvath's rock lizard (Iberolacerta horvathi). Nat. Croat. 23, 235–240.
M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

14900

2007-2018

Unknown (x)

a) Minimum   b) Maximum

5.5 Short-term trend Method used	Insufficient or no data available
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
	c) Unknown x
	d) Method
5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2007-2018
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 157
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 expert opinion with very limited data
6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Unknown (x)
6.9 Short-term trend Magnitude	a) Minimum
	b) Maximum
	c) Confidence interval
6.10 Short-term trend Method used	Insufficient or no data available
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	

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

6.15 Favourable reference population (using the unit in 6.2 or 6.4)	a) Population size b) Operator c) Unknown x d) Method
6.16 Change and reason for change in population size	The change is mainly due to:
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)?	Unknown
	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	Insufficient or no data available	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
No information on pressures (Xp)	

Threat	Ranking
Change of habitat location, size, and / or quality due to climate change (N05)	M

8.2 Sources of information	
8.3 Additional information	

9. Conservation measures

9.1 Status of measures	a) Are measures needed? No
	b) Indicate the status of measures
9.2 Main purpose of the measures taken	

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

9.3 Location of the measures taken

9.4 Response to the measures

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)

11.6 Overall trend in Conservation Status

11.7 Change and reasons for change in conservation status and conservation status trend

a) Overall assessment of conservation status

The change is mainly due to:

b) Overall trend in conservation status

The change is mainly due to:

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
	b) Minimum
	c) Maximum
	d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	

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12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Continental (CON)**
4.2 Sources of information	Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D
	Jelić, D., Karaica, D., 2012. First data on the fauna of amphibians and reptiles of the lower Una River and its coastal area. Hyla : Herpetological bulletin 2012, 22–41.
	Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40.
	Žagar, A., Carretero, M.A., Krofel, M., Lužnik, M., Podnar, M., Tvrtković, N., 2014. Reptile survey in Dinara mountain (Croatia) revealed the southernmost known population of Horvath's rock lizard (Iberolacerta horvathi). Nat. Croat. 23, 235–240.
	M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvansti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

5.1 Surface area	26500
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available

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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	
	c) Unknown	x
	d) Method	
5.11 Change and reason for change in surface area of range		
	The change is mainly due to:	
5.12 Additional information		

6. Population

6.1 Year or period	2007-2018	
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	296
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 expert opinion with very limited data	
6.7 Short-term trend Period	2007-2018	
6.8 Short-term trend Direction	Unknown (x)	
6.9 Short-term trend Magnitude	a) Minimum	
	b) Maximum	
	c) Confidence interval	
6.10 Short-term trend Method used	Insufficient or no data available	
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		

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

6.15 Favourable reference population (using the unit in 6.2 or 6.4)	a) Population size b) Operator c) Unknown x d) Method	
6.16 Change and reason for change in population size	The change is mainly due to:	
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)?	Unknown
	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	Insufficient or no data available	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
No information on pressures (Xp)	

Threat	Ranking
Change of habitat location, size, and / or quality due to climate change (N05)	M

8.2 Sources of information	
8.3 Additional information	

9. Conservation measures

9.1 Status of measures	a) Are measures needed? No	
	b) Indicate the status of measures	
9.2 Main purpose of the measures taken		

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

9.3 Location of the measures taken

9.4 Response to the measures

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)

11.6 Overall trend in Conservation Status

11.7 Change and reasons for change in conservation status and conservation status trend

a) Overall assessment of conservation status

The change is mainly due to:

b) Overall trend in conservation status

The change is mainly due to:

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
	b) Minimum
	c) Maximum
	d) Best single value

12.2 Type of estimate

12.3 Population size inside the network Method used

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12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Alpine (ALP)**
4.2 Sources of information	Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D
	Jelić, D., Karaica, D., 2012. First data on the fauna of amphibians and reptiles of the lower Una River and its coastal area. Hyla : Herpetological bulletin 2012, 22–41.
	Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40.
	Žagar, A., Carretero, M.A., Krofel, M., Lužnik, M., Podnar, M., Tvrtković, N., 2014. Reptile survey in Dinara mountain (Croatia) revealed the southernmost known population of Horvath's rock lizard (Iberolacerta horvathi). Nat. Croat. 23, 235–240.
	M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvansti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

5.1 Surface area	11800	
5.2 Short-term trend Period	2007-2018	
5.3 Short-term trend Direction	Unknown (x)	
5.4 Short-term trend Magnitude	a) Minimum	b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available	

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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		
	The change is mainly due to:	
5.12 Additional information		

6. Population

6.1 Year or period	2007-2018	
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	136
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 expert opinion with very limited data	
6.7 Short-term trend Period	2007-2018	
6.8 Short-term trend Direction	Unknown (x)	
6.9 Short-term trend Magnitude	a) Minimum	
	b) Maximum	
	c) Confidence interval	
6.10 Short-term trend Method used	Insufficient or no data available	
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		

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

6.15 Favourable reference population (using the unit in 6.2 or 6.4)	a) Population size b) Operator c) Unknown x d) Method
6.16 Change and reason for change in population size	The change is mainly due to:
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 expert opinion with very limited data	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Stable (0)	
7.5 Short-term trend Method used	Based mainly on expert opinion with very limited 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
No information on pressures (Xp)	

Threat	Ranking
Change of habitat location, size, and / or quality due to climate change (N05)	M

8.2 Sources of information

8.3 Additional information

9. Conservation measures

9.1 Status of measures	a) Are measures needed?	No
	b) Indicate the status of measures	
9.2 Main purpose of the measures taken		

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

9.3 Location of the measures taken

9.4 Response to the measures

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Favourable (FV)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)

11.6 Overall trend in Conservation Status

11.7 Change and reasons for change in conservation status and conservation status trend

a) Overall assessment of conservation status

The change is mainly due to:

b) Overall trend in conservation status

The change is mainly due to:

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

b) Minimum

c) Maximum

d) Best single value

12.2 Type of estimate

12.3 Population size inside the network Method used

12.4 Short-term trend of population size within the network Direction

12.5 Short-term trend of population size within the network Method used

12.6 Additional information

13. Complementary information

13.1 Justification of % thresholds for trends

13.2 Trans-boundary assessment

13.3 Other relevant Information

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1. General information

1.1 Member State	**HR**
1.2 Species code	**1250**
1.3 Species scientific name	**Podarcis siculus**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	primorska gušterica

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2007-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited data
2.5 Additional maps	Yes

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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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	

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4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Mediterranean (MED)**
4.2 Sources of information	Jelić, D., Kuljerić, M., Koren, T., Treer, D., Šalamon, D., Lončar, M., Podnar Lešić, M., Janev Hutinec, B., Bogdanović, T., Mekinić, S., Jelić, K., 2012. Crvena knjiga vodozemaca i gmazova Hrvatske. Ministarstvo zaštite okoliša i prirode, Državni zavod za zaštitu prirode, Republika Hrvatska.
	Lauš, B., 2015. Istraživanje populacija četveroprugog kravosasa (Elaphe quatuorlineata) i crvenkrpice (Zamenis situla) na Natura 2000 području Ravni kotari (kod: HR2001361) (završni izvještaj). Hrvatsko herpetološko društvo – Hyla, Zagreb.
	Lauš, B., Jelić, D., Burić, I., Kolarić, A., Koren, T., 2013. Distribution and Conservation of Batrachofauna and Herpetofauna of the Zrmanja River catchment area. HYLA : Herpetological bulletin 2012, 3–17.
	M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

5.1 Surface area	19300	
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 expert opinion with very limited 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	
	c) Unknown	x
	d) Method	

5.11 Change and reason for change in surface area of range		
	The change is mainly due to:	

5.12 Additional information	

6. Population

6.1 Year or period	2007-2018

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	276

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 expert opinion with very limited data
6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Unknown (x)

6.9 Short-term trend Magnitude	a) Minimum
	b) Maximum
	c) Confidence interval

6.10 Short-term trend Method used	Insufficient or no data available
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	
	c) Unknown	x

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	d) Method	
6.16 Change and reason for change in population size	The change is mainly due to:	

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 expert opinion with very limited data	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M
Invasive alien species of Union concern (I01)	M

Threat	Ranking
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M
Invasive alien species of Union concern (I01)	M

8.2 Sources of information	
8.3 Additional information	IAS union concern : Herpestes javanicus É. Geoffroy Saint-Hilaire, 1818;

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		

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9.3 Location of the measures taken

9.4 Response to the measures

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

10.1 Future prospects of parameters

a) Range	Unknown
b) Population	Unknown
c) Habitat of the species	Unknown

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)

11.6 Overall trend in Conservation Status

11.7 Change and reasons for change in conservation status and conservation status trend

a) Overall assessment of conservation status

The change is mainly due to:

b) Overall trend in conservation status

The change is mainly due to:

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

b) Minimum

c) Maximum

d) Best single value

12.2 Type of estimate

12.3 Population size inside the network Method used

12.4 Short-term trend of population size within the network Direction

12.5 Short-term trend of population size within the network Method used

12.6 Additional information

13. Complementary information

13.1 Justification of % thresholds for trends

13.2 Trans-boundary assessment

13.3 Other relevant Information

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1. General information

1.1 Member State	**HR**
1.2 Species code	**5037**
1.3 Species scientific name	**Lacerta vivipara pannonica**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	panonska živorodna gušterica

2. Maps

2.1 Sensitive species	Yes
2.2 Year or period	2007-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited 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

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	

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Continental (CON)**
4.2 Sources of information	Jelić, D., Bogdanović, T., 2011. Preliminary data on existence of Zootoca vivipara ssp. pannonica (Lac & Kluch, 1968) in Croatia. Hyla : Herpetological bulletin 2011, 77–79. Jelić, D., Kuljerić, M., Koren, T., Treer, D., Šalamon, D., Lončar, M., Podnar Lešić, M., Janev Hutinec, B., Bogdanović, T., Mekinić, S., Jelić, K., 2012. Crvena knjiga vodozemaca i gmazova Hrvatske. Ministarstvo zaštite okoliša i prirode, Državni zavod za zaštitu prirode, Republika Hrvatska. M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

5.1 Surface area	300	
5.2 Short-term trend Period	2007-2018	
5.3 Short-term trend Direction	Unknown (x)	
5.4 Short-term trend Magnitude	a) Minimum	b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available	
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)	

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b) Operator

c) Unknown   x

d) Method

5.11 Change and reason for change in surface area of range

The change is mainly due to:

5.12 Additional information

6. Population

6.1 Year or period	2007-2018

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   11

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 expert opinion with very limited data

6.7 Short-term trend Period   2007-2018

6.8 Short-term trend Direction   Unknown (x)

6.9 Short-term trend Magnitude

a) Minimum

b) Maximum

c) Confidence interval

6.10 Short-term trend Method used   Insufficient or no data available

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

c) Unknown   x

d) Method

6.16 Change and reason for change in population size

The change is mainly due to:

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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)?	Unknown
	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	Insufficient or no data available	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Drainage (K02)	M
Clear-cutting, removal of all trees (B09)	M

Threat	Ranking
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Drainage (K02)	M
Clear-cutting, removal of all trees (B09)	M
Change of habitat location, size, and / or quality due to climate change (N05)	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

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9.2 Main purpose of the measures taken

9.3 Location of the measures taken

9.4 Response to the measures

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)

11.6 Overall trend in Conservation Status

11.7 Change and reasons for change in conservation status and conservation status trend

a) Overall assessment of conservation status

The change is mainly due to:

b) Overall trend in conservation status

The change is mainly due to:

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
	b) Minimum
	c) Maximum
	d) Best single value

12.2 Type of estimate

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12.3 Population size inside the network Method used

12.4 Short-term trend of population size within the network Direction

12.5 Short-term trend of population size within the network Method used

12.6 Additional information

13. Complementary information

13.1 Justification of % thresholds for trends

13.2 Trans-boundary assessment

13.3 Other relevant Information

Although the population from the Spačva basin, reported here, was attributed to the subspecies Zootoca vivipara pannonica, this was done purely based on the geographic/habitat/climate characteristics, along with the assumed mode of reproduction, which turned out to be incorrect. Since no morphometric and/or genetic comparison was ever published, maybe even not carried out, it is inapropriate to assign this population's subspecific status as Z. v. pannonica.

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1. General information

1.1 Member State	**HR**
1.2 Species code	**1269**
1.3 Species scientific name	**Ophisaurus apodus**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	blavor

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2007-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited data
2.5 Additional maps	Yes

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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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

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

Mediterranean (MED)

4.2 Sources of information

Cafuta, V., 2004a. Skupina za dvoživke in plazilce, in: Ekosistemi Dalmacije - Brač 2003 in Korčula 2004. Društvo študentov biologije, Ljubljana, pp. 13–19.

Cafuta, V., 2004b. Herpetološka skupina, in: Ekosistemi Dalmacije - Brač 2003 in Korčula 2004. Društvo študentov biologije, Ljubljana, pp. 44–49.

Schweiger, M., 2008. Report on my trips to the Croatian island Krk, from May 11th till May 17th, and from July 3rd till July 12th 2008. VipersGarden - Amphibians and Reptiles of Europe and the Mediterranean. URL http://vipersgarden.at/reports/krk08.php (accessed 10.26.18).

Tóth, T., Géczy, C., Sós, E., Molnár, Z., Halpern, B., 2009. Further data on the herpetofauna of Lošinj Island, Croatia. Herpetozoa 21, 192.

Tóth, T., Grillitsch, H., Farkas, B., Gál, J., Sušić, G., 2006. Herpetofaunal data from Cres Island, Croatia. Herpetozoa 19, 27–58.

Vamberger, M., 2012. Poročilo skupine za dvoživke in plazilce, in: Ekosistemi Jadrana, Pag 2007. Društvo študentov biologije, Ljubljana, pp. 10–17.

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

5.1 Surface area	18800
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 expert opinion with very limited 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
	c) Unknown x
	d) Method
5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	The actual range is greater than that reported here, but there are no records (published or otherwise) for some parts of Croatia, even though the species is (most certainly) present there.

6. Population

6.1 Year or period	2007-2018	
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	298
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 expert opinion with very limited data	
6.7 Short-term trend Period	2007-2018	
6.8 Short-term trend Direction	Unknown (x)	
6.9 Short-term trend Magnitude	a) Minimum	
	b) Maximum	
	c) Confidence interval	
6.10 Short-term trend Method used	Insufficient or no data available	
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	

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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 c) Unknown d) Method	x
6.16 Change and reason for change in population size	The change is mainly due to:	
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 expert opinion with very limited data	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Invasive alien species of Union concern (I01)	M

Threat	Ranking
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M

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Invasive alien species of Union concern (I01)   M

8.2 Sources of information	
8.3 Additional information	IAS union concern : Herpestes javanicus É. Geoffroy Saint-Hilaire, 1818

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		
9.5 List of main conservation measures		
9.6 Additional information		

10. Future prospects

10.1 Future prospects of parameters	a) Range	Unknown
	b) Population	Unknown
	c) Habitat of the species	Unknown
10.2 Additional information		

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)
11.6 Overall trend in Conservation Status	
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status
	The change is mainly due to:
	b) Overall trend in conservation status
	The change is mainly due to:
11.8 Additional information	

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

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 b) Minimum c) Maximum d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

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1. General information

1.1 Member State	**HR**
1.2 Species code	**1283**
1.3 Species scientific name	**Coronella austriaca**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	smukulja

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2009-2017
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited data
2.5 Additional maps	Yes

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

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	

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Mediterranean (MED)**
4.2 Sources of information	Bonte, C., 2012. Affirmation of Coronella austriaca (Laurenti, 1768) on the island of Cres, Croatia. Herpetology Notes 5, 65–66.

Hill, J., 2008. Coronella austriaca (Laurenti, 1768) from the Croatian Island of Cres. Herpetozoa 20, 192.

Jelić, D., 2010. Record of Coronella austriaca LAURENTI, 1768 from the Island of Mljet, southern Croatia. Herpetozoa 23, 85–87.

Jelić, D., Vilaj, I., 2011. Remarks on Death feigning in Coronella austriaca (L a u r e n t i , 1768), Natrix natrix (L a u r e n t i , 1768) and Natrix tessellata (L a u r e n t i , 1768). Hyla : Herpetological bulletin 2011, 31–33.

Lauš, B., Burić, I., 2012. Colour abnormalities in Coronella austriaca (Laurenti, 1768) in Croatia. Hyla : Herpetological bulletin 2012, 43–44.

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb

5. Range

5.1 Surface area	8300
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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	
	c) Unknown	x
	d) Method	

5.11 Change and reason for change in surface area of range	The change is mainly due to:

5.12 Additional information	The actual range is in reality much greater than reported here, but there are simply no records for many parts of Croatia.

6. Population

6.1 Year or period	2007-2018

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	30

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 expert opinion with very limited data
6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Unknown (x)

6.9 Short-term trend Magnitude	a) Minimum	
	b) Maximum	
	c) Confidence interval	

6.10 Short-term trend Method used	Insufficient or no data available
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	

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6.15 Favourable reference population (using the unit in 6.2 or 6.4)	a) Population size	
	b) Operator	
	c) Unknown	x
	d) Method	

6.16 Change and reason for change in population size	The change is mainly due to:

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)?	Unknown
	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	Insufficient or no data available	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	M

Threat	Ranking
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M

Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)
11.6 Overall trend in Conservation Status	
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status
	The change is mainly due to:
	b) Overall trend in conservation status
	The change is mainly due to:

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
	b) Minimum
	c) Maximum
	d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Alpine (ALP)**
4.2 Sources of information	Bonte, C., 2012. Affirmation of Coronella austriaca (Laurenti, 1768) on the island of Cres, Croatia. Herpetology Notes 5, 65–66.

Hill, J., 2008. Coronella austriaca (Laurenti, 1768) from the Croatian Island of Cres. Herpetozoa 20, 192.

Jelić, D., 2010. Record of Coronella austriaca LAURENTI, 1768 from the Island of Mljet, southern Croatia. Herpetozoa 23, 85–87.

Jelić, D., Vilaj, I., 2011. Remarks on Death feigning in Coronella austriaca (L a u r e n t i , 1768), Natrix natrix (L a u r e n t i , 1768) and Natrix tessellata (L a u r e n t i , 1768). Hyla : Herpetological bulletin 2011, 31–33.

Lauš, B., Burić, I., 2012. Colour abnormalities in Coronella austriaca (Laurenti, 1768) in Croatia. Hyla : Herpetological bulletin 2012, 43–44.

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5. Range

5.1 Surface area	8500
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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 c) Unknown x d) Method
5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	The actual range is in reality much greater than reported here, but there are simply no records for many parts of Croatia.

6. Population

6.1 Year or period	2007-2018	
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	66
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 expert opinion with very limited data	
6.7 Short-term trend Period	2007-2018	
6.8 Short-term trend Direction	Unknown (x)	

6.9 Short-term trend Magnitude	a) Minimum
	b) Maximum
	c) Confidence interval
6.10 Short-term trend Method used	Insufficient or no data available
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
	c) Unknown x
	d) Method
6.16 Change and reason for change in population size	The change is mainly due to:
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)?	Unknown
	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 expert opinion with very limited data
7.3 Short-term trend Period	2007-2018
7.4 Short-term trend Direction	Unknown (x)
7.5 Short-term trend Method used	Insufficient or no data available
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
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	M

Conversion into agricultural land (excluding drainage and burning) (A01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	M

Threat	Ranking
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)

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11.5 Overall assessment of Conservation Status	Unknown (XX)
11.6 Overall trend in Conservation Status	
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status
	The change is mainly due to:
	b) Overall trend in conservation status
	The change is mainly due to:
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 b) Minimum c) Maximum d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

BIOGEOGRAPHICAL LEVEL

4. Biogeographical and marine regions

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

4.1 Biogeographical or marine region where the species occurs	**Continental (CON)**
4.2 Sources of information	Bonte, C., 2012. Affirmation of Coronella austriaca (Laurenti, 1768) on the island of Cres, Croatia. Herpetology Notes 5, 65–66. Hill, J., 2008. Coronella austriaca (Laurenti, 1768) from the Croatian Island of Cres. Herpetozoa 20, 192. Jelić, D., 2010. Record of Coronella austriaca LAURENTI, 1768 from the Island of Mljet, southern Croatia. Herpetozoa 23, 85–87. Jelić, D., Vilaj, I., 2011. Remarks on Death feigning in Coronella austriaca (L a u r e n t i , 1768), Natrix natrix (L a u r e n t i , 1768) and Natrix tessellata (L a u r e n t i, 1768). Hyla : Herpetological bulletin 2011, 31–33. Lauš, B., Burić, I., 2012. Colour abnormalities in Coronella austriaca (Laurenti, 1768) in Croatia. Hyla : Herpetological bulletin 2012, 43–44. M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb

5. Range

5.1 Surface area	12000	
5.2 Short-term trend Period	2007-2018	
5.3 Short-term trend Direction	Unknown (x)	
5.4 Short-term trend Magnitude	a) Minimum	b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available	
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 c) Unknown x d) Method	
5.11 Change and reason for change in surface area of range	The change is mainly due to:	
5.12 Additional information	The actual range is in reality much greater than reported here, but there are simply no records for many parts of Croatia.	

6. Population

6.1 Year or period	2007-2018	
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	73

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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 expert opinion with very limited data
6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Unknown (x)
6.9 Short-term trend Magnitude	a) Minimum b) Maximum c) Confidence interval
6.10 Short-term trend Method used	Insufficient or no data available
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 c) Unknown x d) Method
6.16 Change and reason for change in population size	The change is mainly due to:
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)?	Unknown
	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	Insufficient or no data available	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	M

Threat	Ranking
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

| 10.2 Additional information | |

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)
11.6 Overall trend in Conservation Status	
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status The change is mainly due to: b) Overall trend in conservation status The change is mainly due to:
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 b) Minimum c) Maximum d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

| 13.1 Justification of % thresholds for trends | |

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1. General information

1.1 Member State	**HR**
1.2 Species code	**6138**
1.3 Species scientific name	**Dolichophis caspius**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	žuta poljarica

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2009-2017
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited 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

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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	

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Mediterranean (MED)**
4.2 Sources of information	Jelić, D., Kuljerić, M., Koren, T., Treer, D., Šalamon, D., Lončar, M., Podnar Lešić, M., Janev Hutinec, B., Bogdanović, T., Mekinić, S., Jelić, K., 2012. Crvena knjiga vodozemaca i gmazova Hrvatske. Ministarstvo zaštite okoliša i prirode, Državni zavod za zaštitu prirode, Republika Hrvatska. Kreiner, G., 2007. The Snakes of Europe: all species from west of the Caucasus Mountains. Edition Chimaira, Frankfurt am Main. Mahtani-Williams, S., Halpern, B., Vörös, J., Lauš, B., Babocsay, G., Vági, B., László Péntek, A., Nagy, Z.T., Burger, P.A., 2017. Phylogeography and adaptive evolution of the Caspian whipsnake (Dolichophis caspius). Vervust, B., Grbac, I., Brecko, J., Tvrtković, N., Van Damme, R., 2009. Distribution of reptiles and amphibians in the nature park Lastovo Archipelago: possible underlying biotic and abiotic causes. Natura Croatica : Periodicum Musei Historiae Naturalis Croatici 18, 113–127 M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvansti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb

5. Range

5.1 Surface area	22
5.2 Short-term trend Period	2009-2017
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available

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 c) Unknown x d) Method
5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	This species is probably present all across Lastovo and Olib, but records exist for only a few parts of the islands. Therefore, the total range is probably higher. 1×1 km quadrants were used because the current known range encompasses a very small area, within the same 10×10 km quadrant.

6. Population

6.1 Year or period	2009-2017
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 22
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 expert opinion with very limited data
6.7 Short-term trend Period	2009-2017
6.8 Short-term trend Direction	Unknown (x)
6.9 Short-term trend Magnitude	a) Minimum b) Maximum c) Confidence interval
6.10 Short-term trend Method used	Insufficient or no data available
6.11 Long-term trend Period	
6.12 Long-term trend Direction	

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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 c) Unknown d) Method	x
6.16 Change and reason for change in population size	The change is mainly due to:	
6.17 Additional information	This species is probably present all across Lastovo and Olib, but records exist for only a few parts of the islands. Therefore, the total population size is probably higher.	

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)?	Unknown
	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	Insufficient or no data available	
7.3 Short-term trend Period	2009-2017	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
7.6 Long-term trend Period		
7.7 Long-term trend Direction		
7.8 Long-term trend Method used		
7.9 Additional information	Succession is problematic in some parts, while excessive removal of vegetation is a problem in others.	

8. Main pressures and threats

8.1 Characterisation of pressures/threats

Pressure	Ranking
Reduced fecundity / genetic depression (e.g. inbreeding or endogamy) (L05)	H
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	M
Change of habitat location, size, and / or quality due to climate change (N05)	M

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Threat	Ranking
Reduced fecundity / genetic depression (e.g. inbreeding or endogamy) (L05)	H
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	M
Change of habitat location, size, and / or quality due to climate change (N05)	M

8.2 Sources of information	Jelić et al. (2012), Mahtani-Williams et al. (2017)
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		
9.5 List of main conservation measures		
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	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unfavourable - Inadequate (U1)
11.5 Overall assessment of Conservation Status	Unfavourable - Inadequate (U1)
11.6 Overall trend in Conservation Status	Unknown (x)
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status The change is mainly due to:

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b) Overall trend in conservation status

The change is mainly due to:

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 b) Minimum c) Maximum d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

BIOGEOGRAPHICAL LEVEL

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Continental (CON)**
4.2 Sources of information	Jelić, D., Kuljerić, M., Koren, T., Treer, D., Šalamon, D., Lončar, M., Podnar Lešić, M., Janev Hutinec, B., Bogdanović, T., Mekinić, S., Jelić, K., 2012. Crvena knjiga vodozemaca i gmazova Hrvatske. Ministarstvo zaštite okoliša i prirode, Državni zavod za zaštitu prirode, Republika Hrvatska. Kreiner, G., 2007. The Snakes of Europe: all species from west of the Caucasus Mountains. Edition Chimaira, Frankfurt am Main.

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Mahtani-Williams, S., Halpern, B., Vörös, J., Lauš, B., Babocsay, G., Vági, B., László Péntek, A., Nagy, Z.T., Burger, P.A., 2017. Phylogeography and adaptive evolution of the Caspian whipsnake (Dolichophis caspius).
Vervust, B., Grbac, I., Brecko, J., Tvrtković, N., Van Damme, R., 2009. Distribution of reptiles and amphibians in the nature park Lastovo Archipelago: possible underlying biotic and abiotic causes. Natura Croatica : Periodicum Musei Historiae Naturalis Croatici 18, 113–127
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5. Range

5.1 Surface area	3
5.2 Short-term trend Period	2009-2017
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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 c) Unknown x d) Method
5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	1×1 km quadrants were used because the current known range encompasses a very small area, within the same 10×10 km quadrant.

6. Population

6.1 Year or period	2009-2017
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 3
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

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6.5 Type of estimate		
6.6 Population size Method used	Based mainly on expert opinion with very limited data	
6.7 Short-term trend Period	2009-2017	
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 expert opinion with very limited 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 c) Unknown x d) Method	
6.16 Change and reason for change in population size	The change is mainly due to:	
6.17 Additional information	It is possible some populations still exist along the Danube, between Baranja and Fruška Gora - there have been at least two unconfirmed sightings. Therefore the population may be larger than what is reported here.	

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)?	No
	b) Is there a sufficiently large area of unoccupied habitat of suitable quality (for long-term survival)?	Unknown
7.2 Sufficiency of area and quality of occupied habitat Method used	Based mainly on expert opinion with very limited data	
7.3 Short-term trend Period	2009-2017	
7.4 Short-term trend Direction	Decreasing (-)	
7.5 Short-term trend Method used	Based mainly on expert opinion with very limited data	
7.6 Long-term trend Period		
7.7 Long-term trend Direction		
7.8 Long-term trend Method used		
7.9 Additional information	Succession and overgrowing are one of the main threats to the survival of the population in the Continental biogeographic region.	

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8. Main pressures and threats

8.1 Characterisation of pressures/threats

Pressure	Ranking
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	H
Conversion into agricultural land (excluding drainage and burning) (A01)	H
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	H
Reduced fecundity / genetic depression (e.g. inbreeding or endogamy) (L05)	M

Threat	Ranking
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	H
Conversion into agricultural land (excluding drainage and burning) (A01)	H
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	H
Reduced fecundity / genetic depression (e.g. inbreeding or endogamy) (L05)	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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

10.1 Future prospects of parameters	a) Range	Unknown
	b) Population	Bad
	c) Habitat of the species	Bad

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unfavourable - Bad (U2)
11.4. Future prospects	Unfavourable - Bad (U2)
11.5 Overall assessment of Conservation Status	Unfavourable - Bad (U2)
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

The change is mainly due to:

b) Overall trend in conservation status

The change is mainly due to:

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
b) Minimum
c) Maximum
d) Best single value

12.2 Type of estimate

12.3 Population size inside the network Method used

12.4 Short-term trend of population size within the network Direction

12.5 Short-term trend of population size within the network Method used

12.6 Additional information

13. Complementary information

13.1 Justification of % thresholds for trends

13.2 Trans-boundary assessment

13.3 Other relevant Information

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

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

1. General information

1.1 Member State	**HR**
1.2 Species code	**1279**
1.3 Species scientific name	**Elaphe quatuorlineata**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	četveroprugi kravosas

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2007-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited data
2.5 Additional maps	Yes

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)

<table>
<tr><td>3.3 Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish)</td><td colspan="7">a) Unit</td></tr>
</table>

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	

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

Mediterranean (MED)

4.2 Sources of information

Budinski, I., Kuljerić, M., Jelić, D., Čulina, A., 2008. Vodozemci i gmazovi Nacionalnog parka Mljet. Rasprostranjenost, ugroženost i mjere zaštite. Hrvatsko herpetološko društvo – Hyla, Zagreb.

Ćevid, J., 2015. Fragmentacija staništa i ugroženost zmija u Hrvatskoj (bachelor). University of Zagreb, Faculty of Science, Zagreb.

Galvagni, E., 1902. Beiträge zur Kenntniss der Fauna einiger dalmatinischer Inseln. Verhandlunden zoologisch-botanischen Gesellschaft in Wien 52, 362–388.

Janev Hutinec, B., Lupret-Obradović, S., 2005. Zmije Hrvatske - priručnik za određivanje vrsta. Društvo za zaštitu i proučavanje vodozemaca i gmazova Hrvatske - Hyla, Kratis d.o.o., Zagreb.

Jelić, D., Budinski, I., Lauš, B., 2012. Distribution and conservation status of the batracho- and herpetofauna of the Croatian island of Mljet (Anura; Testudines; Squamata: Sauria, Serpentes). Herpetozoa 24, 165–178.

Jurinac, A.E., 1887. Prilog hrvatskoj fauni ogulinsko-slunjske okolice i pećina. Rad Jugoslavenske akademije znanosti i umjetnosti 8, 86–128.

Karaman, S., 1939. Über die Verbreitung der Reptilien in Jugoslavien. Annales Musei Serbiae Meridionalis, Skoplje 1, 1–20.

Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40.

Koren, T., Lauš, B., Burić, I., Kuljerić, M., 2011. Contribution to the herpetofauna (amphibians & reptiles) of the Kornati archipelago, Croatia. Natura Croatica 20, 387–396.

Lauš, B., 2015. Istraživanje populacija četveroprugog kravosasa (Elaphe quatuorlineata) i crvenkrpice (Zamenis situla) na Natura 2000 području Ravni

kotari (kod: HR2001361) (završni izvještaj). Hrvatsko herpetološko društvo – Hyla, Zagreb.

Lauš, B., 2010. A contribution to the herpetofauna of Žirje Island (Dalmatia, Croatia). Natura Sloveniae 12, 61–63.

Lončar, M., 2005. Rasprostranjenost gmazova Hrvatske, Zbirka Hrvatskog prirodoslovnog muzeja (graduation thesis). Sveučilište u Zagrebu, Prirodoslovno-matematički fakultet, Zagreb.

Lukač, M., Horvatek Tomić, D., Mandac, Z., Mihoković, S., Prukner-Radovčić, E., 2017. Oral and cloacal aerobic bacterial and fungal flora of free-living four-lined snakes (Elaphe quatuorlineata) from Croatia. Veterinary Archives 87, 351–361.

Madl, R., 2017. First record of Elaphe quatuorlineata (BONNATERRE, 1790), from the Island of Dugi Otok (Croatia). Herpetozoa 30, 96–100.

Mekinić, S., Nediljko, Ž., Boban, J., Piasevoli, G., Vladović, D., 2015. Snakes in herpetological collection of the Natural History Museum in Split (Croatia) collected from 1924 untill 2015. Hyla : Herpetological bulletin 2015, 4–10.

Schweiger, M., 2005. Ile of walls - Herpetologische Beobachtungen auf der Kroatischen Insel Pag. 3. Teil: Echsen und Schlangen. ÖGH-Aktuell 16, 5–7.

Werner, F., 1908. Die zoologische Reise des naturwissenschaftlichen Vereines nach Dalmatien im April 1906. A. Allgemeiner Teil. Bericht über den Verlauf der Reise. 3. Streifzüge der Ostpartie. Mitteilungen des Naturwissenschaftlichen Vereines an der Universität Wien 6, 12–18.

Werner, F., 1897. Die Reptilien und Amphibien Oesterreich - Ungarns und der Occupationslaender. Pichlers Witwe & Sohn, Wien.

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvansti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

5.1 Surface area	23400
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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 c) Unknown x d) Method
5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	There are several old literature records for this species on the island of Mljet. However, all of those reffer to a single collected specimen mentioned by Werner (1897). No new records after that exist. Since mongooses were introduced to the island at the beginning of the 20th century, it is possible this species became

locally extinct. Therefore, we did not include the original record in the range and distribution.

6. Population

6.1 Year or period	2007-2018

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	215

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 expert opinion with very limited data
6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Unknown (x)

6.9 Short-term trend Magnitude

a) Minimum	
b) Maximum	
c) Confidence interval	

6.10 Short-term trend Method used	Insufficient or no data available
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	
c) Unknown	x
d) Method	

6.16 Change and reason for change in population size	The change is mainly due to:

6.17 Additional information	The record(s) from Mljet (see 5.12) was not included for the same reasons.

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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 expert opinion with very limited data	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
Invasive alien species of Union concern (I01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M

Threat	Ranking
Invasive alien species of Union concern (I01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Illegal shooting/killing (G10)	M

8.2 Sources of information

8.3 Additional information	IAS union concern : Herpestes javanicus É. Geoffroy Saint-Hilaire, 1818

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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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)
11.6 Overall trend in Conservation Status	
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status
	The change is mainly due to:
	b) Overall trend in conservation status
	The change is mainly due to:
11.8 Additional information	

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

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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	164
12.2 Type of estimate	Minimum	
12.3 Population size inside the network Method used	Based mainly on expert opinion with very limited data	
12.4 Short-term trend of population size within the network Direction	Unknown (x)	
12.5 Short-term trend of population size within the network Method used	Insufficient or no data available	
12.6 Additional information		

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

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1. General information

1.1 Member State	**HR**
1.2 Species code	**5669**
1.3 Species scientific name	**Hierophis gemonensis**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	šara poljarica

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2007-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited data
2.5 Additional maps	Yes

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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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	

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

Alpine (ALP)

4.2 Sources of information

Coz-Rakovac, R., Lisicic, D., Smuc, T., Popovic, N.T., Strunjak-Perovic, I., Jadan, M., Tadic, Z., Dujakovic, J.J., 2011. Classification Modeling of Physiological Stages in Captive Balkan Whip Snakes Using Blood Biochemistry Parameters. Journal of Herpetology 45, 525–529. https://doi.org/10.1670/10-234.1

Drašler, K., 2014. Poročilo o delu skupine za plazilce, in: Ekosistemi Jadrana 2011 - delta Neretve. Društvo študentov biologije, Ljubljana, pp. 35–41.

Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D

Jablonski, D., Szabolcs, M., Simović, A., Mizsei, E., 2017. Colour and pattern variation of the Balkan whip snake, Hierophis gemonensis (Laurenti, 1768). Turkish Journal of Zoology 41, 363–369. https://doi.org/10.3906/zoo-1606-15

Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40.

Lauš, B., 2010. A contribution to the herpetofauna of Žirje Island (Dalmatia, Croatia). Natura Sloveniae 12, 61–63.

Mekinić, S., Nediljko, Ž., Boban, J., Piasevoli, G., Vladović, D., 2015. Snakes in herpetological collection of the Natural History Museum in Split (Croatia) collected from 1924 untill 2015. Hyla : Herpetological bulletin 2015, 4–10.

Tóth, T., Farkas, B., Géczy, C., Molnár, Z., 2009. Herpetofaunal data from Ilovik and neighboring islets (Cres-Lošinj Archipelago, Croatia). Herpetozoa 22, 82–87.

Tóth, T., Heltai, M., Keszi, A., Sušić, G., Moharos, L., Farkas, B., Géczy, C., Torda, O., Gál, J., 2017. Herpetofauna inventory of the small islands of the Cres–Lošinj

Archipelago (North Adriatic Sea, Croatia) (Amphibia; Reptilia). Herpetozoa 30, 21–28.

Vamberger, M., 2012. Poročilo skupine za dvoživke in plazilce, in: Ekosistemi Jadrana, Pag 2007. Društvo študentov biologije, Ljubljana, pp. 10–17.

Vilaj, I., 2014. Doprinos poznavanju herpetofaune otoka Hvara, in: Barišić, M., Burić, I., Gazić, M., Sučić, I. (Eds.), Istraživanje bioraznolikosti otoka Hvara 2011. Udruga studenata biologije - BIUS, Zagreb, pp. 136–156.

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

5.1 Surface area	2200
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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 c) Unknown x d) Method
5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2007-2018	
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	9
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		

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6.6 Population size Method used	Based mainly on expert opinion with very limited data
6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Unknown (x)
6.9 Short-term trend Magnitude	a) Minimum b) Maximum c) Confidence interval
6.10 Short-term trend Method used	Insufficient or no data available
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 c) Unknown x d) Method
6.16 Change and reason for change in population size	The change is mainly due to:
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 expert opinion with very limited data
7.3 Short-term trend Period	2007-2018
7.4 Short-term trend Direction	Unknown (x)
7.5 Short-term trend Method used	Insufficient or no data available
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

Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	M

Threat	Ranking
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	M

8.2 Sources of information

8.3 Additional information

9. Conservation measures

9.1 Status of measures	a) Are measures needed?	No
	b) Indicate the status of measures	

9.2 Main purpose of the measures taken

9.3 Location of the measures taken

9.4 Response to the measures

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)

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11.6 Overall trend in Conservation Status	
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status
	The change is mainly due to:
	b) Overall trend in conservation status
	The change is mainly due to:
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 b) Minimum c) Maximum d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

BIOGEOGRAPHICAL LEVEL

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Mediterranean (MED)**

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

4.2 Sources of information	Coz-Rakovac, R., Lisicic, D., Smuc, T., Popovic, N.T., Strunjak-Perovic, I., Jadan, M., Tadic, Z., Dujakovic, J.J., 2011. Classification Modeling of Physiological Stages in Captive Balkan Whip Snakes Using Blood Biochemistry Parameters. Journal of Herpetology 45, 525–529. https://doi.org/10.1670/10-234.1

Drašler, K., 2014. Poročilo o delu skupine za plazilce, in: Ekosistemi Jadrana 2011 - delta Neretve. Društvo študentov biologije, Ljubljana, pp. 35–41.

Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D

Jablonski, D., Szabolcs, M., Simović, A., Mizsei, E., 2017. Colour and pattern variation of the Balkan whip snake, Hierophis gemonensis (Laurenti, 1768). Turkish Journal of Zoology 41, 363–369. https://doi.org/10.3906/zoo-1606-15

Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40.

Lauš, B., 2010. A contribution to the herpetofauna of Žirje Island (Dalmatia, Croatia). Natura Sloveniae 12, 61–63.

Mekinić, S., Nediljko, Ž., Boban, J., Piasevoli, G., Vladović, D., 2015. Snakes in herpetological collection of the Natural History Museum in Split (Croatia) collected from 1924 untill 2015. Hyla : Herpetological bulletin 2015, 4–10.

Tóth, T., Farkas, B., Géczy, C., Molnár, Z., 2009. Herpetofaunal data from Ilovik and neighboring islets (Cres-Lošinj Archipelago, Croatia). Herpetozoa 22, 82–87.

Tóth, T., Heltai, M., Keszi, A., Sušić, G., Moharos, L., Farkas, B., Géczy, C., Torda, O., Gál, J., 2017. Herpetofauna inventory of the small islands of the Cres–Lošinj Archipelago (North Adriatic Sea, Croatia) (Amphibia; Reptilia). Herpetozoa 30, 21–28.

Vamberger, M., 2012. Poročilo skupine za dvoživke in plazilce, in: Ekosistemi Jadrana, Pag 2007. Društvo študentov biologije, Ljubljana, pp. 10–17.

Vilaj, I., 2014. Doprinos poznavanju herpetofaune otoka Hvara, in: Barišić, M., Burić, I., Gazić, M., Sučić, I. (Eds.), Istraživanje bioraznolikosti otoka Hvara 2011. Udruga studenata biologije - BIUS, Zagreb, pp. 136–156.

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

5.1 Surface area	25600
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 expert opinion with very limited 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 More than (>)
	c) Unknown
	d) Method

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5.11 Change and reason for change in surface area of range	
	The change is mainly due to:

5.12 Additional information	The actual range is to an extent greater than that reported here, but there are no records (published or otherwise) for some parts of Croatia, even though the species is (most certainly) present there.

6. Population

6.1 Year or period	2007-2018

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	303

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 expert opinion with very limited data
6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Unknown (x)

6.9 Short-term trend Magnitude	a) Minimum
	b) Maximum
	c) Confidence interval

6.10 Short-term trend Method used	Insufficient or no data available
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	
	c) Unknown	x
	d) Method	

6.16 Change and reason for change in population size	
	The change is mainly due to:

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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 expert opinion with very limited data	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	M
Invasive alien species of Union concern (I01)	M

Threat	Ranking
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	M
Invasive alien species of Union concern (I01)	M

8.2 Sources of information	
8.3 Additional information	IAS union concern : Herpestes javanicus É. Geoffroy Saint-Hilaire, 1818

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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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information — Future prospects are probably not that grim for this species, but we do not have sufficient data to reliably state this.

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)

11.6 Overall trend in Conservation Status

11.7 Change and reasons for change in conservation status and conservation status trend

a) Overall assessment of conservation status

The change is mainly due to:

b) Overall trend in conservation status

The change is mainly due to:

11.8 Additional information

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

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

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
	b) Minimum
	c) Maximum
	d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends
13.2 Trans-boundary assessment
13.3 Other relevant Information

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1. General information

1.1 Member State	**HR**
1.2 Species code	**5670**
1.3 Species scientific name	**Hierophis viridiflavus**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	crna poljarica

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2007-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited data
2.5 Additional maps	Yes

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

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	

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Alpine (ALP)**
4.2 Sources of information	Godez, A., 1898. Beobachtungen über den Vogelzug auf der Insel Pelagosa im Adriatischen Meere. Die Schwalbe - Berichte des Comités für Ornithologische Beobachtungs-Stationen in Österreich - Neue Folge 1, 115–127. Horvatić, B., 2008. Knjiga "Zmije Hrvatske" - ERRATA CORRIGE. Zagreb. Janev Hutinec, B., Lupret-Obradović, S., 2005. Zmije Hrvatske - priručnik za određivanje vrsta. Društvo za zaštitu i proučavanje vodozemaca i gmazova Hrvatske - Hyla, Kratis d.o.o., Zagreb. Tóth, T., Heltai, M., Keszi, A., Sušić, G., Moharos, L., Farkas, B., Géczy, C., Torda, O., Gál, J., 2017. Herpetofauna inventory of the small islands of the Cres–Lošinj Archipelago (North Adriatic Sea, Croatia) (Amphibia; Reptilia). Herpetozoa 30, 21–28. M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

5.1 Surface area	2000	
5.2 Short-term trend Period	2007-2018	
5.3 Short-term trend Direction	Uncertain (u)	
5.4 Short-term trend Magnitude	a) Minimum	b) Maximum
5.5 Short-term trend Method used	Based mainly on expert opinion with very limited data	
5.6 Long-term trend Period		
5.7 Long-term trend Direction		

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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		
	The change is mainly due to:	
5.12 Additional information		

6. Population

6.1 Year or period	2007-2018	
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	12
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 expert opinion with very limited data	
6.7 Short-term trend Period	2007-2018	
6.8 Short-term trend Direction	Unknown (x)	
6.9 Short-term trend Magnitude	a) Minimum	
	b) Maximum	
	c) Confidence interval	
6.10 Short-term trend Method used	Insufficient or no data available	
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	
	c) Unknown	x

	d) Method	
6.16 Change and reason for change in population size	The change is mainly due to:	
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 expert opinion with very limited data	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	M

Threat	Ranking
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	M

8.2 Sources of information	
8.3 Additional information	

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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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Favourable (FV)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)

11.6 Overall trend in Conservation Status

11.7 Change and reasons for change in conservation status and conservation status trend

a) Overall assessment of conservation status

The change is mainly due to:

b) Overall trend in conservation status

The change is mainly due to:

11.8 Additional information

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

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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 b) Minimum c) Maximum d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

BIOGEOGRAPHICAL LEVEL

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Mediterranean (MED)**
4.2 Sources of information	Godez, A., 1898. Beobachtungen über den Vogelzug auf der Insel Pelagosa im Adriatischen Meere. Die Schwalbe - Berichte des Comités für Ornithologische Beobachtungs-Stationen in Österreich - Neue Folge 1, 115–127. Horvatić, B., 2008. Knjiga "Zmije Hrvatske" - ERRATA CORRIGE. Zagreb. Janev Hutinec, B., Lupret-Obradović, S., 2005. Zmije Hrvatske - priručnik za određivanje vrsta. Društvo za zaštitu i proučavanje vodozemaca i gmazova Hrvatske - Hyla, Kratis d.o.o., Zagreb. Tóth, T., Heltai, M., Keszi, A., Sušić, G., Moharos, L., Farkas, B., Géczy, C., Torda, O., Gál, J., 2017. Herpetofauna inventory of the small islands of the Cres–Lošinj Archipelago (North Adriatic Sea, Croatia) (Amphibia; Reptilia). Herpetozoa 30, 21–28. M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvansti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

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5.1 Surface area	8900
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 expert opinion with very limited 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	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2007-2018
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 76
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 expert opinion with very limited data
6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Unknown (x)
6.9 Short-term trend Magnitude	a) Minimum
	b) Maximum
	c) Confidence interval
6.10 Short-term trend Method used	Insufficient or no data available
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
	c) Unknown x
	d) Method

| 6.16 Change and reason for change in population size | The change is mainly due to: |

| 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 expert opinion with very limited data
7.3 Short-term trend Period	2007-2018
7.4 Short-term trend Direction	Unknown (x)
7.5 Short-term trend Method used	Insufficient or no data available
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
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	M

Threat	Ranking
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M

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Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Favourable (FV)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)
11.6 Overall trend in Conservation Status	
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status
	The change is mainly due to:
	b) Overall trend in conservation status
	The change is mainly due to:

11.8 Additional information

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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 b) Minimum c) Maximum d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

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1. General information

1.1 Member State	**HR**
1.2 Species code	**1292**
1.3 Species scientific name	**Natrix tessellata**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	ribarica

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2007-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited data
2.5 Additional maps	Yes

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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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

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

Mediterranean (MED)

4.2 Sources of information

Burić, I., Baškiera, S., 2014. New record of the Dice Snake (Natrix tessellata) from Cres island, Croatia. Hyla : Herpetological bulletin 2014, 18–19.

Dajčman, U., 2017. Poročilo o delu skupine za plazilce, in: Ekosistemi Balkana, Vransko jezero 2016. Društvo študentov biologije, Ljubljana, pp. 66–72.

Drašler, K., 2014. Poročilo o delu skupine za plazilce, in: Ekosistemi Jadrana 2011 - delta Neretve. Društvo študentov biologije, Ljubljana, pp. 35–41.

Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D

Jelić, D., Karaica, D., 2012. First data on the fauna of amphibians and reptiles of the lower Una River and its coastal area. Hyla : Herpetological bulletin 2012, 22–41.

Jelić, D., Lauš, B., 2011. The Gull Larus cachinnans (Pallas, 1811) as Natural Predator of Natrix tessellata (Laurenti, 1768). Mertensiella 18, 451–452.

Jelić, D., Lelo, S., 2011. Distribution and Status Quo of Natrix tessellata in Croatia, and Bosnia and Herzegovina. Mertensiella 18, 217–224.

Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40.

Vlček, P., Jablonski, D., Kudláček, M., Mebert, K., 2015. Rediscovery of the Dice Snake Natrix tessellata (LAURENTI, 1768), from the Island of Krk, Croatia. Herpetozoa 27, 191–196.

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

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5. Range

5.1 Surface area	100
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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 c) Unknown x d) Method
5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2007-2018	
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	92
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 expert opinion with very limited data	
6.7 Short-term trend Period	2007-2018	
6.8 Short-term trend Direction	Unknown (x)	
6.9 Short-term trend Magnitude	a) Minimum b) Maximum c) Confidence interval	
6.10 Short-term trend Method used	Insufficient or no data available	

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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	
	c) Unknown	x
	d) Method	
6.16 Change and reason for change in population size	The change is mainly due to:	
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)?	Unknown
	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	Insufficient or no data available	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
Physical alteration of water bodies (K05)	M
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M
Mixed source pollution to surface and ground waters (limnic and terrestrial) (J01)	M

Threat	Ranking
Physical alteration of water bodies (K05)	M

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Interspecific relations (competition, predation, parasitism, pathogens) (L06)	H
Mixed source pollution to surface and ground waters (limnic and terrestrial) (J01)	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, 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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)
11.6 Overall trend in Conservation Status	
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status The change is mainly due to: b) Overall trend in conservation status The change is mainly due to:

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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

b) Minimum

c) Maximum

d) Best single value

12.2 Type of estimate

12.3 Population size inside the network Method used

12.4 Short-term trend of population size within the network Direction

12.5 Short-term trend of population size within the network Method used

12.6 Additional information

13. Complementary information

13.1 Justification of % thresholds for trends

13.2 Trans-boundary assessment

13.3 Other relevant Information

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

Alpine (ALP)

4.2 Sources of information

Burić, I., Baškiera, S., 2014. New record of the Dice Snake (Natrix tessellata) from Cres island, Croatia. Hyla : Herpetological bulletin 2014, 18–19.

Dajčman, U., 2017. Poročilo o delu skupine za plazilce, in: Ekosistemi Balkana, Vransko jezero 2016. Društvo študentov biologije, Ljubljana, pp. 66–72.

Drašler, K., 2014. Poročilo o delu skupine za plazilce, in: Ekosistemi Jadrana 2011 - delta Neretve. Društvo študentov biologije, Ljubljana, pp. 35–41.

Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D

Jelić, D., Karaica, D., 2012. First data on the fauna of amphibians and reptiles of

the lower Una River and its coastal area. Hyla : Herpetological bulletin 2012, 22–41.

Jelić, D., Lauš, B., 2011. The Gull Larus cachinnans (Pallas, 1811) as Natural Predator of Natrix tessellata (Laurenti, 1768). Mertensiella 18, 451–452.

Jelić, D., Lelo, S., 2011. Distribution and Status Quo of Natrix tessellata in Croatia, and Bosnia and Herzegovina. Mertensiella 18, 217–224.

Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40.

Vlček, P., Jablonski, D., Kudláček, M., Mebert, K., 2015. Rediscovery of the Dice Snake Natrix tessellata (LAURENTI, 1768), from the Island of Krk, Croatia. Herpetozoa 27, 191–196.

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

5.1 Surface area	6000
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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 c) Unknown x d) Method
5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2007-2018
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 17
6.3 Type of estimate	Minimum

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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 expert opinion with very limited data	
6.7 Short-term trend Period	2007-2018	
6.8 Short-term trend Direction	Unknown (x)	
6.9 Short-term trend Magnitude	a) Minimum	
	b) Maximum	
	c) Confidence interval	
6.10 Short-term trend Method used	Insufficient or no data available	
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	
	c) Unknown	x
	d) Method	
6.16 Change and reason for change in population size	The change is mainly due to:	
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)?	Unknown
	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	Insufficient or no data available	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
7.6 Long-term trend Period		
7.7 Long-term trend Direction		
7.8 Long-term trend Method used		

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8. Main pressures and threats

8.1 Characterisation of pressures/threats

Pressure	Ranking
Physical alteration of water bodies (K05)	M
Mixed source pollution to surface and ground waters (limnic and terrestrial) (J01)	M
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M

Threat	Ranking
Physical alteration of water bodies (K05)	M
Mixed source pollution to surface and ground waters (limnic and terrestrial) (J01)	M
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	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, 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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)

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11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)
11.6 Overall trend in Conservation Status	
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status The change is mainly due to: b) Overall trend in conservation status The change is mainly due to:
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 b) Minimum c) Maximum d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

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4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Continental (CON)**
4.2 Sources of information	Burić, I., Baškiera, S., 2014. New record of the Dice Snake (Natrix tessellata) from Cres island, Croatia. Hyla : Herpetological bulletin 2014, 18–19.

Dajčman, U., 2017. Poročilo o delu skupine za plazilce, in: Ekosistemi Balkana, Vransko jezero 2016. Društvo študentov biologije, Ljubljana, pp. 66–72.

Drašler, K., 2014. Poročilo o delu skupine za plazilce, in: Ekosistemi Jadrana 2011 - delta Neretve. Društvo študentov biologije, Ljubljana, pp. 35–41.

Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D

Jelić, D., Karaica, D., 2012. First data on the fauna of amphibians and reptiles of the lower Una River and its coastal area. Hyla : Herpetological bulletin 2012, 22–41.

Jelić, D., Lauš, B., 2011. The Gull Larus cachinnans (Pallas, 1811) as Natural Predator of Natrix tessellata (Laurenti, 1768). Mertensiella 18, 451–452.

Jelić, D., Lelo, S., 2011. Distribution and Status Quo of Natrix tessellata in Croatia, and Bosnia and Herzegovina. Mertensiella 18, 217–224.

Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40.

Vlček, P., Jablonski, D., Kudláček, M., Mebert, K., 2015. Rediscovery of the Dice Snake Natrix tessellata (LAURENTI, 1768), from the Island of Krk, Croatia. Herpetozoa 27, 191–196.

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

5.1 Surface area	28900
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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 c) Unknown x d) Method
5.11 Change and reason for change in surface area of range	The change is mainly due to:

5.12 Additional information

6. Population

6.1 Year or period	2007-2018	
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	176
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 expert opinion with very limited data	
6.7 Short-term trend Period	2007-2018	
6.8 Short-term trend Direction	Unknown (x)	
6.9 Short-term trend Magnitude	a) Minimum	
	b) Maximum	
	c) Confidence interval	
6.10 Short-term trend Method used	Insufficient or no data available	
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	
	c) Unknown	x
	d) Method	
6.16 Change and reason for change in population size	The change is mainly due to:	
6.17 Additional information		

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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)?	Unknown
	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	Insufficient or no data available	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
Physical alteration of water bodies (K05)	M
Mixed source pollution to surface and ground waters (limnic and terrestrial) (J01)	M
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M

Threat	Ranking
Physical alteration of water bodies (K05)	M
Mixed source pollution to surface and ground waters (limnic and terrestrial) (J01)	H
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	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, 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		

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)

11.6 Overall trend in Conservation Status

11.7 Change and reasons for change in conservation status and conservation status trend

a) Overall assessment of conservation status

The change is mainly due to:

b) Overall trend in conservation status

The change is mainly due to:

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

b) Minimum

c) Maximum

d) Best single value

12.2 Type of estimate

12.3 Population size inside the network Method used

12.4 Short-term trend of population size within the network Direction

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

12.5 Short-term trend of population size within the network Method used

12.6 Additional information

13. Complementary information

13.1 Justification of % thresholds for trends

13.2 Trans-boundary assessment

13.3 Other relevant Information

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

1. General information

1.1 Member State	**HR**
1.2 Species code	**6092**
1.3 Species scientific name	**Platyceps najadum**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	šilac

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2007-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited data
2.5 Additional maps	Yes

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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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	

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Mediterranean (MED)**
4.2 Sources of information	Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D Horvatić, B., 2008. Knjiga "Zmije Hrvatske" - ERRATA CORRIGE. Zagreb. JU Rezervat Lokrum, 2019. Otok Lokrum [WWW Document]. Otok Lokrum. URL http://www.lokrum.hr/ (accessed 3.21.19). Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40. Mekinić, S., Nediljko, Ž., Boban, J., Piasevoli, G., Vladović, D., 2015. Snakes in herpetological collection of the Natural History Museum in Split (Croatia) collected from 1924 untill 2015. Hyla : Herpetological bulletin 2015, 4–10. M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvansti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb.

5. Range

5.1 Surface area	10900	
5.2 Short-term trend Period	2007-2018	
5.3 Short-term trend Direction	Unknown (x)	
5.4 Short-term trend Magnitude	a) Minimum	b) Maximum

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5.5 Short-term trend Method used	Insufficient or no data available
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 c) Unknown x d) Method
5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2007-2018
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 54
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 expert opinion with very limited data
6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Unknown (x)
6.9 Short-term trend Magnitude	a) Minimum b) Maximum c) Confidence interval
6.10 Short-term trend Method used	Insufficient or no data available
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	

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6.15 Favourable reference population (using the unit in 6.2 or 6.4)	a) Population size b) Operator c) Unknown x d) Method
6.16 Change and reason for change in population size	The change is mainly due to:
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)?	Unknown
	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	Insufficient or no data available	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	M
Invasive alien species of Union concern (I01)	M

Threat	Ranking
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	M

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Invasive alien species of Union concern (I01)   M

8.2 Sources of information	
8.3 Additional information	IAS union concern : Herpestes javanicus É. Geoffroy Saint-Hilaire

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		
9.5 List of main conservation measures		
9.6 Additional information		

10. Future prospects

10.1 Future prospects of parameters	a) Range	Unknown
	b) Population	Unknown
	c) Habitat of the species	Unknown
10.2 Additional information		

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)
11.6 Overall trend in Conservation Status	
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status The change is mainly due to: b) Overall trend in conservation status The change is mainly due to:
11.8 Additional information	

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

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 b) Minimum c) Maximum d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

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1. General information

1.1 Member State	**HR**
1.2 Species code	**1289**
1.3 Species scientific name	**Telescopus fallax**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	crnokrpica

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2007-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited data
2.5 Additional maps	Yes

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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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	

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Mediterranean (MED)**
4.2 Sources of information	Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D

Janev Hutinec, B., Lupret-Obradović, S., 2005. Zmije Hrvatske - priručnik za određivanje vrsta. Društvo za zaštitu i proučavanje vodozemaca i gmazova Hrvatske - Hyla, Kratis d.o.o., Zagreb.

Koren, T., Lauš, B., Burić, I., Kuljerić, M., 2011. Contribution to the herpetofauna (amphibians & reptiles) of the Kornati archipelago, Croatia. Natura Croatica 20, 387–396.

Mekinić, S., Nediljko, Ž., Boban, J., Piasevoli, G., Vladović, D., 2015. Snakes in herpetological collection of the Natural History Museum in Split (Croatia) collected from 1924 untill 2015. Hyla : Herpetological bulletin 2015, 4–10.

Tóth, T., Heltai, M., Keszi, A., Sušić, G., Moharos, L., Farkas, B., Géczy, C., Torda, O., Gál, J., 2017. Herpetofauna inventory of the small islands of the Cres–Lošinj Archipelago (North Adriatic Sea, Croatia) (Amphibia; Reptilia). Herpetozoa 30, 21–28.

Vilaj, I., 2014. Doprinos poznavanju herpetofaune otoka Hvara, in: Barišić, M., Burić, I., Gazić, M., Sučić, I. (Eds.), Istraživanje bioraznolikosti otoka Hvara 2011. Udruga studenata biologije - BIUS, Zagreb, pp. 136–156.

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb. 285 str.

5. Range

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5.1 Surface area	15500
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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
	c) Unknown x
	d) Method
5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2007-2018
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 55
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 expert opinion with very limited data
6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Unknown (x)
6.9 Short-term trend Magnitude	a) Minimum
	b) Maximum
	c) Confidence interval
6.10 Short-term trend Method used	Insufficient or no data available
6.11 Long-term trend Period	
6.12 Long-term trend Direction	

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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
	c) Unknown x
	d) Method

| 6.16 Change and reason for change in population size | The change is mainly due to: |

| 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)?	Unknown
	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	Insufficient or no data available
7.3 Short-term trend Period	2007-2018
7.4 Short-term trend Direction	Unknown (x)
7.5 Short-term trend Method used	Insufficient or no data available
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
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	M
Invasive alien species of Union concern (I01)	M

Threat	Ranking
Removal of small landscape features for agricultural land	M

parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	M
Invasive alien species of Union concern (I01)	M

8.2 Sources of information

8.3 Additional information   IAS union concern : Herpestes javanicus É. Geoffroy Saint-Hilaire

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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range   Unknown (XX)

11.2. Population   Unknown (XX)

11.3. Habitat for the species   Unknown (XX)

11.4. Future prospects   Unknown (XX)

11.5 Overall assessment of Conservation Status   Unknown (XX)

11.6 Overall trend in Conservation Status

11.7 Change and reasons for change in conservation status and conservation status trend   a) Overall assessment of conservation status

The change is mainly due to:

b) Overall trend in conservation status

The change is mainly due to:

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

b) Minimum

c) Maximum

d) Best single value

12.2 Type of estimate

12.3 Population size inside the network Method used

12.4 Short-term trend of population size within the network Direction

12.5 Short-term trend of population size within the network Method used

12.6 Additional information

13. Complementary information

13.1 Justification of % thresholds for trends

13.2 Trans-boundary assessment

13.3 Other relevant Information

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1. General information

1.1 Member State	**HR**
1.2 Species code	**1295**
1.3 Species scientific name	**Vipera ammodytes**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	poskok

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2007-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited data
2.5 Additional maps	Yes

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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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

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

Mediterranean (MED)

4.2 Sources of information

Dieckmann, M., 2006. Die Lacertiden der norddalmatinischen Insel Dugi Otok. Die Eidechse 17, 52–56.

Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D

Jelić, D., Ajtić, R., Sterijovski, B., Crnobrnja-Isailović, J., Lelo, S., Tomović, L., 2013. Distribution of the genus Vipera in the western and central Balkans (Squamata: Serpentes: Viperidae). Herpetozoa 25, 109–132.

Jelić, D., Budinski, I., Lauš, B., 2012. Distribution and conservation status of the batracho- and herpetofauna of the Croatian island of Mljet (Anura; Testudines; Squamata: Sauria, Serpentes). Herpetozoa 24, 165–178.

Kerovec, M., Mrakovčić, M., Hršak, V., Grubešić, M., Vujčić-Karlo, S., Kučinić, M., Radović, D., Ternjej, I., Mihaljević, Z., Gottstein, S., Schneider, D., Bartovsky, V., 1999. Projekt Sava Sustav obrane od poplava u srednjoj Posavini. Studija općih značajki bioloških resursa -dio procjene utjecaja na okoliš-. Prirodoslovno-matematički fakultet, Zagreb.

Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40.

Lauš, B., 2015. Istraživanje populacija četveroprugog kravosasa (Elaphe quatuorlineata) i crvenkrpice (Zamenis situla) na Natura 2000 području Ravni kotari (kod: HR2001361) (završni izvještaj). Hrvatsko herpetološko društvo – Hyla, Zagreb.

Madl, R., 2017. First record of Elaphe quatuorlineata (BONNATERRE, 1790), from

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the Island of Dugi Otok (Croatia). Herpetozoa 30, 96–100.

Mekinić, S., Nediljko, Ž., Boban, J., Piasevoli, G., Vladović, D., 2015. Snakes in herpetological collection of the Natural History Museum in Split (Croatia) collected from 1924 untill 2015. Hyla : Herpetological bulletin 2015, 4–10.

Vamberger, M., 2012. Poročilo skupine za dvoživke in plazilce, in: Ekosistemi Jadrana, Pag 2007. Društvo študentov biologije, Ljubljana, pp. 10–17.

Vilaj, I., 2014. Doprinos poznavanju herpetofaune otoka Hvara, in: Barišić, M., Burić, I., Gazić, M., Sučić, I. (Eds.), Istraživanje bioraznolikosti otoka Hvara 2011. Udruga studenata biologije - BIUS, Zagreb, pp. 136–156.

Zadravec, M., Koren, T., 2017. Further evidence of nocturnal activity of Vipera ammodytes (Linnaeus, 1758). Herpetozoa 30, 107–108.

Žagar, A., Cafuta, V., Drašler, K., Jagar, T., Krofel, M., Lužnik, M., Ostanek, E., Petkovska, V., Planinc, G., Sopotnik, M., Vamberger, M., 2013. A review of eleven short-term reptile surveys in the Western Balkans. Hyla : Herpetological bulletin 2013, 3–18.

Žagar, A., Carretero, M.A., Krofel, M., Lužnik, M., Podnar, M., Tvrtković, N., 2014. Reptile survey in Dinara mountain (Croatia) revealed the southernmost known population of Horvath's rock lizard (Iberolacerta horvathi). Nat. Croat. 23, 235–240.

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb. 285 str.

5. Range

5.1 Surface area	21400
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 expert opinion with very limited 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	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2007-2018

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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	180
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 expert opinion with very limited data	
6.7 Short-term trend Period	2007-2018	
6.8 Short-term trend Direction	Unknown (x)	
6.9 Short-term trend Magnitude	a) Minimum	
	b) Maximum	
	c) Confidence interval	
6.10 Short-term trend Method used	Insufficient or no data available	
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	
	c) Unknown	x
	d) Method	
6.16 Change and reason for change in population size	The change is mainly due to:	
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 expert opinion with very limited data	

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7.3 Short-term trend Period	2007-2018
7.4 Short-term trend Direction	Unknown (x)
7.5 Short-term trend Method used	Insufficient or no data available
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
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	M
Invasive alien species of Union concern (I01)	M

Threat	Ranking
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	M
Invasive alien species of Union concern (I01)	M

8.2 Sources of information	
8.3 Additional information	IAS union concern : Herpestes javanicus É. Geoffroy Saint-Hilaire, 1818

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		

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9.5 List of main conservation measures	
9.6 Additional information	

10. Future prospects

10.1 Future prospects of parameters	a) Range	Good
	b) Population	Unknown
	c) Habitat of the species	Unknown
10.2 Additional information		

11. Conclusions

11.1. Range	Favourable (FV)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)
11.6 Overall trend in Conservation Status	
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status The change is mainly due to: b) Overall trend in conservation status The change is mainly due to:
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 b) Minimum c) Maximum d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	

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13. Complementary information

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Alpine (ALP)**
4.2 Sources of information	Dieckmann, M., 2006. Die Lacertiden der norddalmatinischen Insel Dugi Otok. Die Eidechse 17, 52–56.

Dieckmann, M., 2006. Die Lacertiden der norddalmatinischen Insel Dugi Otok. Die Eidechse 17, 52–56.
Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D
Jelić, D., Ajtić, R., Sterijovski, B., Crnobrnja-Isailović, J., Lelo, S., Tomović, L., 2013. Distribution of the genus Vipera in the western and central Balkans (Squamata: Serpentes: Viperidae). Herpetozoa 25, 109–132.
Jelić, D., Budinski, I., Lauš, B., 2012. Distribution and conservation status of the batracho- and herpetofauna of the Croatian island of Mljet (Anura; Testudines; Squamata: Sauria, Serpentes). Herpetozoa 24, 165–178.
Kerovec, M., Mrakovčić, M., Hršak, V., Grubešić, M., Vujčić-Karlo, S., Kučinić, M., Radović, D., Ternjej, I., Mihaljević, Z., Gottstein, S., Schneider, D., Bartovsky, V., 1999. Projekt Sava Sustav obrane od poplava u srednjoj Posavini. Studija općih značajki bioloških resursa -dio procjene utjecaja na okoliš-. Prirodoslovno-matematički fakultet, Zagreb.
Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40.
Lauš, B., 2015. Istraživanje populacija četveroprugog kravosasa (Elaphe quatuorlineata) i crvenkrpice (Zamenis situla) na Natura 2000 području Ravni kotari (kod: HR2001361) (završni izvještaj). Hrvatsko herpetološko društvo – Hyla, Zagreb.
Madl, R., 2017. First record of Elaphe quatuorlineata (BONNATERRE, 1790), from the Island of Dugi Otok (Croatia). Herpetozoa 30, 96–100.
Mekinić, S., Nediljko, Ž., Boban, J., Piasevoli, G., Vladović, D., 2015. Snakes in herpetological collection of the Natural History Museum in Split (Croatia)

collected from 1924 untill 2015. Hyla : Herpetological bulletin 2015, 4–10.

Vamberger, M., 2012. Poročilo skupine za dvoživke in plazilce, in: Ekosistemi Jadrana, Pag 2007. Društvo študentov biologije, Ljubljana, pp. 10–17.

Vilaj, I., 2014. Doprinos poznavanju herpetofaune otoka Hvara, in: Barišić, M., Burić, I., Gazić, M., Sučić, I. (Eds.), Istraživanje bioraznolikosti otoka Hvara 2011. Udruga studenata biologije - BIUS, Zagreb, pp. 136–156.

Zadravec, M., Koren, T., 2017. Further evidence of nocturnal activity of Vipera ammodytes (Linnaeus, 1758). Herpetozoa 30, 107–108.

Žagar, A., Cafuta, V., Drašler, K., Jagar, T., Krofel, M., Lužnik, M., Ostanek, E., Petkovska, V., Planinc, G., Sopotnik, M., Vamberger, M., 2013. A review of eleven short-term reptile surveys in the Western Balkans. Hyla : Herpetological bulletin 2013, 3–18.

Žagar, A., Carretero, M.A., Krofel, M., Lužnik, M., Podnar, M., Tvrtković, N., 2014. Reptile survey in Dinara mountain (Croatia) revealed the southernmost known population of Horvath's rock lizard (Iberolacerta horvathi). Nat. Croat. 23, 235–240.

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb. 285 str.

5. Range

5.1 Surface area	10400
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 expert opinion with very limited 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	
	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2007-2018
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 137

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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 expert opinion with very limited data
6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Unknown (x)
6.9 Short-term trend Magnitude	a) Minimum b) Maximum c) Confidence interval
6.10 Short-term trend Method used	Insufficient or no data available
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 c) Unknown x d) Method
6.16 Change and reason for change in population size	The change is mainly due to:
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 expert opinion with very limited data	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
7.6 Long-term trend Period		

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8. Main pressures and threats

8.1 Characterisation of pressures/threats

Pressure	Ranking
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	M

Threat	Ranking
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

| 10.2 Additional information | |

11. Conclusions

11.1. Range	Favourable (FV)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)
11.6 Overall trend in Conservation Status	
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status The change is mainly due to: b) Overall trend in conservation status The change is mainly due to:
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 b) Minimum c) Maximum d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

| 13.1 Justification of % thresholds for trends | |

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

4.2 Sources of information

Continental (CON)

Dieckmann, M., 2006. Die Lacertiden der norddalmatinischen Insel Dugi Otok. Die Eidechse 17, 52–56.

Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D

Jelić, D., Ajtić, R., Sterijovski, B., Crnobrnja-Isailović, J., Lelo, S., Tomović, L., 2013. Distribution of the genus Vipera in the western and central Balkans (Squamata: Serpentes: Viperidae). Herpetozoa 25, 109–132.

Jelić, D., Budinski, I., Lauš, B., 2012. Distribution and conservation status of the batracho- and herpetofauna of the Croatian island of Mljet (Anura; Testudines; Squamata: Sauria, Serpentes). Herpetozoa 24, 165–178.

Kerovec, M., Mrakovčić, M., Hršak, V., Grubešić, M., Vujčić-Karlo, S., Kučinić, M., Radović, D., Ternjej, I., Mihaljević, Z., Gottstein, S., Schneider, D., Bartovsky, V., 1999. Projekt Sava Sustav obrane od poplava u srednjoj Posavini. Studija općih značajki bioloških resursa -dio procjene utjecaja na okoliš-. Prirodoslovno-matematički fakultet, Zagreb.

Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40.

Lauš, B., 2015. Istraživanje populacija četveroprugog kravosasa (Elaphe quatuorlineata) i crvenkrpice (Zamenis situla) na Natura 2000 području Ravni kotari (kod: HR2001361) (završni izvještaj). Hrvatsko herpetološko društvo – Hyla, Zagreb.

Madl, R., 2017. First record of Elaphe quatuorlineata (BONNATERRE, 1790), from the Island of Dugi Otok (Croatia). Herpetozoa 30, 96–100.

Mekinić, S., Nediljko, Ž., Boban, J., Piasevoli, G., Vladović, D., 2015. Snakes in herpetological collection of the Natural History Museum in Split (Croatia) collected from 1924 untill 2015. Hyla : Herpetological bulletin 2015, 4–10.

Vamberger, M., 2012. Poročilo skupine za dvoživke in plazilce, in: Ekosistemi Jadrana, Pag 2007. Društvo študentov biologije, Ljubljana, pp. 10–17.

Vilaj, I., 2014. Doprinos poznavanju herpetofaune otoka Hvara, in: Barišić, M., Burić, I., Gazić, M., Sučić, I. (Eds.), Istraživanje bioraznolikosti otoka Hvara 2011. Udruga studenata biologije - BIUS, Zagreb, pp. 136–156.

Zadravec, M., Koren, T., 2017. Further evidence of nocturnal activity of Vipera ammodytes (Linnaeus, 1758). Herpetozoa 30, 107–108.

Žagar, A., Cafuta, V., Drašler, K., Jagar, T., Krofel, M., Lužnik, M., Ostanek, E., Petkovska, V., Planinc, G., Sopotnik, M., Vamberger, M., 2013. A review of eleven

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short-term reptile surveys in the Western Balkans. Hyla : Herpetological bulletin 2013, 3–18.

Žagar, A., Carretero, M.A., Krofel, M., Lužnik, M., Podnar, M., Tvrtković, N., 2014. Reptile survey in Dinara mountain (Croatia) revealed the southernmost known population of Horvath's rock lizard (Iberolacerta horvathi). Nat. Croat. 23, 235–240.

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb. 285 str.

5. Range

5.1 Surface area	6600
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 expert opinion with very limited 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 c) Unknown x d) Method
5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2007-2018
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 74
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 expert opinion with very limited data

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6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Unknown (x)
6.9 Short-term trend Magnitude	a) Minimum b) Maximum c) Confidence interval
6.10 Short-term trend Method used	Insufficient or no data available
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 c) Unknown x d) Method
6.16 Change and reason for change in population size	The change is mainly due to:
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)?	Unknown
	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	Insufficient or no data available	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
7.6 Long-term trend Period		
7.7 Long-term trend Direction		
7.8 Long-term trend Method used		
7.9 Additional information	On some locations in this biogeographic region there is an apparent loss/deterioration of habitat (e.g. southern slopes of Medvednica Mt.), due to natural succession, expansion of urban areas, and/or deterioration of dry stone walls/stone piles, due to crumbling of rocks used in their construction. The latter results in a diminished number of hiding/hibernation spots, which has a detrimental effect on the local level, even though other habitat features remain favourable.	

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8. Main pressures and threats

8.1 Characterisation of pressures/threats

Pressure	Ranking
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	M

Threat	Ranking
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

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11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)
11.6 Overall trend in Conservation Status	
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status
	The change is mainly due to:
	b) Overall trend in conservation status
	The change is mainly due to:
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 b) Minimum c) Maximum d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

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1. General information

1.1 Member State	**HR**
1.2 Species code	**6337**
1.3 Species scientific name	**Vipera ursinii macrops**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	planinski žutokrug

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2007-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited 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

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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	

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Mediterranean (MED)**
4.2 Sources of information	Jelić, D., Baškiera, S., 2014. Planinski žutokrug (Vipera ursinii), Nacionalni programi za praćenje stanja očuvanosti vrsta u Hrvatskoj. Državni zavod za zaštitu prirode, Zagreb.
	Jelić, D., Gluhaković, M., Peranić, I., Lončar, M., 2007. Distribution of Vipera ursinii macrops and related taxa in Croatia.
	Jelić, D., Kuljerić, M., Koren, T., Treer, D., Šalamon, D., Lončar, M., Podnar Lešić, M., Janev Hutinec, B., Bogdanović, T., Mekinić, S., Jelić, K., 2012. Crvena knjiga vodozemaca i gmazova Hrvatske. Ministarstvo zaštite okoliša i prirode, Državni zavod za zaštitu prirode, Republika Hrvatska.
	Tonković, M., 1934. Zmije u srezu Imotskome. Priroda 24, 89–90.
	M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb. 285 str.

5. Range

5.1 Surface area	300	
5.2 Short-term trend Period	2007-2018	
5.3 Short-term trend Direction	Unknown (x)	
5.4 Short-term trend Magnitude	a) Minimum	b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available	
5.6 Long-term trend Period		
5.7 Long-term trend Direction		

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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	
	c) Unknown	x
	d) Method	
5.11 Change and reason for change in surface area of range	The change is mainly due to:	
5.12 Additional information		

6. Population

6.1 Year or period	2007-2018	
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	9
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 expert opinion with very limited data	
6.7 Short-term trend Period	2007-2018	
6.8 Short-term trend Direction	Unknown (x)	
6.9 Short-term trend Magnitude	a) Minimum	
	b) Maximum	
	c) Confidence interval	
6.10 Short-term trend Method used	Based mainly on expert opinion with very limited 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	
	c) Unknown	x

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	d) Method	
6.16 Change and reason for change in population size	The change is mainly due to:	
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)?	Unknown
	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	Insufficient or no data available	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	H
Intensive grazing or overgrazing by livestock (A09)	M
Wind, wave and tidal power, including infrastructure (D01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M

Threat	Ranking
Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	H
Intensive grazing or overgrazing by livestock (A09)	M
Wind, wave and tidal power, including infrastructure (D01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Reduced fecundity / genetic depression (e.g. inbreeding or endogamy) (L05)	M

Conversion from other land uses to housing, settlement or recreational areas (excluding drainage and modification of coastline, estuary and coastal conditions) (F01)	M
Change of habitat location, size, and / or quality due to climate change (N05)	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, 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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unfavourable - Inadequate (U1)
11.5 Overall assessment of Conservation Status	Unfavourable - Inadequate (U1)
11.6 Overall trend in Conservation Status	Unknown (x)
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status
	The change is mainly due to:
	b) Overall trend in conservation status

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The change is mainly due to:

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	9

12.2 Type of estimate	Minimum
12.3 Population size inside the network Method used	Based mainly on expert opinion with very limited data
12.4 Short-term trend of population size within the network Direction	Unknown (x)
12.5 Short-term trend of population size within the network Method used	Insufficient or no data available
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends

13.2 Trans-boundary assessment

13.3 Other relevant Information

BIOGEOGRAPHICAL LEVEL

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

Alpine (ALP)

4.2 Sources of information

Jelić, D., Baškiera, S., 2014. Planinski žutokrug (Vipera ursinii), Nacionalni programi za praćenje stanja očuvanosti vrsta u Hrvatskoj. Državni zavod za zaštitu prirode, Zagreb.
Jelić, D., Gluhaković, M., Peranić, I., Lončar, M., 2007. Distribution of Vipera ursinii macrops and related taxa in Croatia.
Jelić, D., Kuljerić, M., Koren, T., Treer, D., Šalamon, D., Lončar, M., Podnar Lešić, M., Janev Hutinec, B., Bogdanović, T., Mekinić, S., Jelić, K., 2012. Crvena knjiga vodozemaca i gmazova Hrvatske. Ministarstvo zaštite okoliša i prirode, Državni

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zavod za zaštitu prirode, Republika Hrvatska.
Tonković, M., 1934. Zmije u srezu Imotskome. Priroda 24, 89–90.
M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb. 285 str.

5. Range

5.1 Surface area	1000
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2007-2018
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 38
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 expert opinion with very limited 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 expert opinion with very limited 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
	c) Unknown x
	d) Method
6.16 Change and reason for change in population size	The change is mainly due to:
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)?	Unknown
	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	Insufficient or no data available
7.3 Short-term trend Period	2007-2018
7.4 Short-term trend Direction	Unknown (x)
7.5 Short-term trend Method used	Insufficient or no data available
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
Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	H
Intensive grazing or overgrazing by livestock (A09)	M

Wind, wave and tidal power, including infrastructure (D01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M

Threat	Ranking
Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	H
Intensive grazing or overgrazing by livestock (A09)	M
Wind, wave and tidal power, including infrastructure (D01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Reduced fecundity / genetic depression (e.g. inbreeding or endogamy) (L05)	M
Conversion from other land uses to housing, settlement or recreational areas (excluding drainage and modification of coastline, estuary and coastal conditions) (F01)	M
Change of habitat location, size, and / or quality due to climate change (N05)	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, 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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)

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11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unfavourable - Inadequate (U1)
11.5 Overall assessment of Conservation Status	Unfavourable - Inadequate (U1)
11.6 Overall trend in Conservation Status	Unknown (x)
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status

The change is mainly due to:

b) Overall trend in conservation status

The change is mainly due to: |
| 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	34
12.2 Type of estimate	Minimum	
12.3 Population size inside the network Method used	Based mainly on expert opinion with very limited data	
12.4 Short-term trend of population size within the network Direction	Unknown (x)	
12.5 Short-term trend of population size within the network Method used	Insufficient or no data available	
12.6 Additional information		

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

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

1. General information

1.1 Member State	**HR**
1.2 Species code	**6091**
1.3 Species scientific name	**Zamenis longissimus**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	bjelica

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2009-2017
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited 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

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

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

Mediterranean (MED)

4.2 Sources of information

Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D

Janev Hutinec, B., Lupret-Obradović, S., 2005. Zmije Hrvatske - priručnik za određivanje vrsta. Društvo za zaštitu i proučavanje vodozemaca i gmazova Hrvatske - Hyla, Kratis d.o.o., Zagreb.

Jelić, D., Karaica, D., 2012. First data on the fauna of amphibians and reptiles of the lower Una River and its coastal area. Hyla : Herpetological bulletin 2012, 22–41.

Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40.

Mekinić, S., Nediljko, Ž., Boban, J., Piasevoli, G., Vladović, D., 2015. Snakes in herpetological collection of the Natural History Museum in Split (Croatia) collected from 1924 untill 2015. Hyla : Herpetological bulletin 2015, 4–10.

Žagar, A., Carretero, M.A., Krofel, M., Lužnik, M., Podnar, M., Tvrtković, N., 2014. Reptile survey in Dinara mountain (Croatia) revealed the southernmost known population of Horvath's rock lizard (Iberolacerta horvathi). Nat. Croat. 23, 235–240.

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb. 285 str.

5. Range

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5.1 Surface area	20100
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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
	c) Unknown x
	d) Method
5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2007-2018
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 84
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 expert opinion with very limited data
6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Unknown (x)
6.9 Short-term trend Magnitude	a) Minimum
	b) Maximum
	c) Confidence interval
6.10 Short-term trend Method used	Insufficient or no data available
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
	c) Unknown x
	d) Method

| 6.16 Change and reason for change in population size | The change is mainly due to: |

| 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 expert opinion with very limited data
7.3 Short-term trend Period	2007-2018
7.4 Short-term trend Direction	Unknown (x)
7.5 Short-term trend Method used	Insufficient or no data available
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
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M

Threat	Ranking
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry	M

practices) (L02)	
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	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

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

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

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)

11.6 Overall trend in Conservation Status

11.7 Change and reasons for change in conservation status and conservation status trend

a) Overall assessment of conservation status

The change is mainly due to:

b) Overall trend in conservation status

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The change is mainly due to:

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 b) Minimum c) Maximum d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends

13.2 Trans-boundary assessment

13.3 Other relevant Information

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Alpine (ALP)**
4.2 Sources of information	Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D Janev Hutinec, B., Lupret-Obradović, S., 2005. Zmije Hrvatske - priručnik za određivanje vrsta. Društvo za zaštitu i proučavanje vodozemaca i gmazova Hrvatske - Hyla, Kratis d.o.o., Zagreb. Jelić, D., Karaica, D., 2012. First data on the fauna of amphibians and reptiles of the lower Una River and its coastal area. Hyla : Herpetological bulletin 2012,

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22–41.

Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40.

Mekinić, S., Nediljko, Ž., Boban, J., Piasevoli, G., Vladović, D., 2015. Snakes in herpetological collection of the Natural History Museum in Split (Croatia) collected from 1924 untill 2015. Hyla : Herpetological bulletin 2015, 4–10.

Žagar, A., Carretero, M.A., Krofel, M., Lužnik, M., Podnar, M., Tvrtković, N., 2014. Reptile survey in Dinara mountain (Croatia) revealed the southernmost known population of Horvath's rock lizard (Iberolacerta horvathi). Nat. Croat. 23, 235–240.

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb. 285 str.

5. Range

5.1 Surface area	9500
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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 c) Unknown x d) Method
5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2007-2018
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 35
6.3 Type of estimate	Minimum

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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 expert opinion with very limited data	
6.7 Short-term trend Period	2007-2018	
6.8 Short-term trend Direction	Unknown (x)	
6.9 Short-term trend Magnitude	a) Minimum	
	b) Maximum	
	c) Confidence interval	
6.10 Short-term trend Method used	Insufficient or no data available	
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	
	c) Unknown	x
	d) Method	
6.16 Change and reason for change in population size	The change is mainly due to:	
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 expert opinion with very limited data	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
7.6 Long-term trend Period		
7.7 Long-term trend Direction		
7.8 Long-term trend Method used		

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8. Main pressures and threats

8.1 Characterisation of pressures/threats

Pressure	Ranking
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M

Threat	Ranking
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M

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

10. Future prospects

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

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11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)
11.6 Overall trend in Conservation Status	
11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status
	The change is mainly due to:
	b) Overall trend in conservation status
	The change is mainly due to:
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 b) Minimum c) Maximum d) Best single value
12.2 Type of estimate	
12.3 Population size inside the network Method used	
12.4 Short-term trend of population size within the network Direction	
12.5 Short-term trend of population size within the network Method used	
12.6 Additional information	

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	

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4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Continental (CON)**
4.2 Sources of information	Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D Janev Hutinec, B., Lupret-Obradović, S., 2005. Zmije Hrvatske - priručnik za određivanje vrsta. Društvo za zaštitu i proučavanje vodozemaca i gmazova Hrvatske - Hyla, Kratis d.o.o., Zagreb. Jelić, D., Karaica, D., 2012. First data on the fauna of amphibians and reptiles of the lower Una River and its coastal area. Hyla : Herpetological bulletin 2012, 22–41. Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40. Mekinić, S., Nediljko, Ž., Boban, J., Piasevoli, G., Vladović, D., 2015. Snakes in herpetological collection of the Natural History Museum in Split (Croatia) collected from 1924 untill 2015. Hyla : Herpetological bulletin 2015, 4–10. Žagar, A., Carretero, M.A., Krofel, M., Lužnik, M., Podnar, M., Tvrtković, N., 2014. Reptile survey in Dinara mountain (Croatia) revealed the southernmost known population of Horvath's rock lizard (Iberolacerta horvathi). Nat. Croat. 23, 235–240. M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb. 285 str.

5. Range

5.1 Surface area	28300	
5.2 Short-term trend Period	2007-2018	
5.3 Short-term trend Direction	Unknown (x)	
5.4 Short-term trend Magnitude	a) Minimum	b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available	
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 c) Unknown d) Method	Approximately equal to (≈)
5.11 Change and reason for change in surface area of range		

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The change is mainly due to:

5.12 Additional information	

6. Population

6.1 Year or period	2007-2018

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	144

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 expert opinion with very limited data
6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Unknown (x)

6.9 Short-term trend Magnitude	a) Minimum
	b) Maximum
	c) Confidence interval

6.10 Short-term trend Method used	Insufficient or no data available
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	
	c) Unknown	x
	d) Method	

6.16 Change and reason for change in population size	
	The change is mainly due to:

6.17 Additional information	

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

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 expert opinion with very limited data	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M

Threat	Ranking
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	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

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9.2 Main purpose of the measures taken

9.3 Location of the measures taken

9.4 Response to the measures

9.5 List of main conservation measures

9.6 Additional information

10. Future prospects

10.1 Future prospects of parameters

	a) Range	Unknown
	b) Population	Unknown
	c) Habitat of the species	Unknown

10.2 Additional information

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)

11.6 Overall trend in Conservation Status

11.7 Change and reasons for change in conservation status and conservation status trend

a) Overall assessment of conservation status

The change is mainly due to:

b) Overall trend in conservation status

The change is mainly due to:

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

b) Minimum

c) Maximum

d) Best single value

12.2 Type of estimate

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12.3 Population size inside the network Method used

12.4 Short-term trend of population size within the network Direction

12.5 Short-term trend of population size within the network Method used

12.6 Additional information

13. Complementary information

13.1 Justification of % thresholds for trends

13.2 Trans-boundary assessment

13.3 Other relevant Information

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1. General information

1.1 Member State	**HR**
1.2 Species code	**6095**
1.3 Species scientific name	**Zamenis situla**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	crvenkrpica

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2007-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on expert opinion with very limited data
2.5 Additional maps	Yes

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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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	

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs	**Mediterranean (MED)**
4.2 Sources of information	Dajčman, U., 2017. Poročilo o delu skupine za plazilce, in: Ekosistemi Balkana, Vransko jezero 2016. Društvo študentov biologije, Ljubljana, pp. 66–72.

Drašler, K., 2014. Poročilo o delu skupine za plazilce, in: Ekosistemi Jadrana 2011 - delta Neretve. Društvo študentov biologije, Ljubljana, pp. 35–41.

Džukić, G., Tomović, L., Anđelković, M., Urošević, A., Nikolić, S., Kalezić, M., 2017. The herpetological collection of the Institute for biological research "Siniša Stanković", University of Belgrade. Bulletin of the Natural History Museum 10, 57–104. https://doi.org/10.5937/bnhmb1710057D

Koren, T., Črne, M., Koprivnikar, N., Trkov, D., Drašler, K., Jelić, D., 2013. Contribution to the herpetofauna (Amphibia & Reptilia) of lower Neretva River (Croatia & Bosnia and Herzegovina). Hyla : Herpetological bulletin 2012, 19–40.

Lauš, B., 2010. A contribution to the herpetofauna of Žirje Island (Dalmatia, Croatia). Natura Sloveniae 12, 61–63.

Lužnik, M., 2006. Poročilo skupine za plazilce, in: Luštrik, R., Vinko, D. (Eds.), Ekosistemi Jadrana. Črna Gora 2005. Pelješac 2006. Spomladinski biološki dnevi. Jovsi 2006. Društvo študentov biologije, Ljubljana.

Mekinić, S., Nediljko, Ž., Boban, J., Piasevoli, G., Vladović, D., 2015. Snakes in herpetological collection of the Natural History Museum in Split (Croatia) collected from 1924 untill 2015. Hyla : Herpetological bulletin 2015, 4–10.

M. Zadravec, P. Gambiroža, 2019. Prvo izvješće o stanju očuvanosti vrsta vodozemaca i gmazova Republike Hrvatske, Zagreb. 285 str.

5. Range

5.1 Surface area	22800

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5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Unknown (x)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Insufficient or no data available
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
	c) Unknown x
	d) Method
5.11 Change and reason for change in surface area of range	The change is mainly due to:
5.12 Additional information	

6. Population

6.1 Year or period	2007-2018	
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	189
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 expert opinion with very limited data	
6.7 Short-term trend Period	2007-2018	
6.8 Short-term trend Direction	Unknown (x)	
6.9 Short-term trend Magnitude	a) Minimum	
	b) Maximum	
	c) Confidence interval	
6.10 Short-term trend Method used	Insufficient or no data available	
6.11 Long-term trend Period		
6.12 Long-term trend Direction		

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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	
	c) Unknown	x
	d) Method	
6.16 Change and reason for change in population size	The change is mainly due to:	
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)?	Unknown
	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	Insufficient or no data available	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Unknown (x)	
7.5 Short-term trend Method used	Insufficient or no data available	
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
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	H
Invasive alien species of Union concern (I01)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M

Threat	Ranking

Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Illegal shooting/killing (G10)	H
Invasive alien species of Union concern (I01)	M
Conversion into agricultural land (excluding drainage and burning) (A01)	M

8.2 Sources of information	
8.3 Additional information	IAS union concern : Herpestes javanicus É. Geoffroy Saint-Hilaire

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		
9.5 List of main conservation measures		
9.6 Additional information		

10. Future prospects

10.1 Future prospects of parameters	a) Range	Unknown
	b) Population	Unknown
	c) Habitat of the species	Unknown
10.2 Additional information		

11. Conclusions

11.1. Range	Unknown (XX)
11.2. Population	Unknown (XX)
11.3. Habitat for the species	Unknown (XX)
11.4. Future prospects	Unknown (XX)
11.5 Overall assessment of Conservation Status	Unknown (XX)
11.6 Overall trend in Conservation Status	

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11.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status
	The change is mainly due to:
	b) Overall trend in conservation status
	The change is mainly due to:
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	146
12.2 Type of estimate	Minimum	
12.3 Population size inside the network Method used	Based mainly on expert opinion with very limited data	
12.4 Short-term trend of population size within the network Direction	Unknown (x)	
12.5 Short-term trend of population size within the network Method used	Insufficient or no data available	
12.6 Additional information		

13. Complementary information

13.1 Justification of % thresholds for trends	
13.2 Trans-boundary assessment	
13.3 Other relevant Information	