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

NATIONAL LEVEL

1. General information

1.1 Member State	**GR**
1.2 Species code	**5306**
1.3 Species scientific name	**Cobitis punctilineata**
1.4 Alternative species scientific name	
1.5 Common name (in national language)	Grammovelonitsa

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2015
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on extrapolation from a limited amount of data
2.5 Additional maps	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

BIOGEOGRAPHICAL LEVEL

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

Mediterranean (MED)

4.2 Sources of information

Economidis, P.S. & Nalbant, T.T. (1996). A study of the loaches of the genera Cobitis and Sabanejewia (Pisces, Cobitidae) of Greece, with description of six new taxa. Trav. Mus. Natl. Hist. nat. “Grigore Antipa”, 36, 295-347

Economidis, P.S., Vogiatzis, V.P. & Bobori, D. (1996). Freshwater fishes. In: NATURA 2000, pp. 604-635. Directive 92/43/EEC “The Greek Habitat Project NATURA 2000: An overview”. The Goulandris Natural History Museum - Greek Biotope Wetland Center. 917 p. Thessaloniki 1996.

5. Range

5.1 Surface area: 800

5.2 Short-term trend Period: 2007-2018

5.3 Short-term trend Direction: Stable (0)

5.4 Short-term trend Magnitude: a) Minimum b) Maximum

5.5 Short-term trend Method used: Based mainly on extrapolation from a limited amount of data

5.6 Long-term trend Period

5.7 Long-term trend Direction

5.8 Long-term trend Magnitude: a) Minimum b) Maximum

5.9 Long-term trend Method used

5.10 Favourable reference range: a) Area (km²)

b) Operator: Approximately equal to (≈)

	c) Unknown	
	d) Method	Basic assumption: Favourable Reference Range = Surface Area Range (current range)
5.11 Change and reason for change in surface area of range	No change The change is mainly due to:	
5.12 Additional information		

6. Population

6.1 Year or period	2015	
6.2 Population size (in reporting unit)	a) Unit	number of map 5x5 km grid cells (grids5x5)
	b) Minimum	
	c) Maximum	
	d) Best single value	32
6.3 Type of estimate	Best estimate	
6.4 Additional population size (using population unit other than reporting unit)	a) Unit	
	b) Minimum	
	c) Maximum	
	d) Best single value	
6.5 Type of estimate		
6.6 Population size Method used	Based mainly on extrapolation from a limited amount of data	
6.7 Short-term trend Period	2007-2018	
6.8 Short-term trend Direction	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	Approximately equal to (≈)
	c) Unknown	
	d) Method	Basic assumption. Favourable Reference Population = value extracted from Additional Range Map

6.16 Change and reason for change in population size	No change The change is mainly due to:
6.17 Additional information	Most data are described as semi-quantitative or qualitative. Few quantitative data. Too much variability between existing samples, especially between different river basins, making it difficult to extrapolate a number or a class for reporting population unit.

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	The surface area of the habitat is estimated at 800 km2 and its quality is unknown.	

8. Main pressures and threats

8.1 Characterisation of pressures/threats

Pressure	Ranking
Extraction of minerals (e.g. rock, metal ores, gravel, sand, shell) (C01)	M
Deposition and treatment of waste/garbage from household/recreational facilities (F09)	M
Mixed source pollution to surface and ground waters (limnic and terrestrial) (J01)	H
Physical alteration of water bodies (K05)	H
Other human intrusions and disturbance not mentioned above (H08)	M
Deposition and treatment of waste/garbage from commercial and industrial facilities (F10)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	H
Drainage for use as agricultural land (A31)	H
Irrigation of agricultural land (A18)	M

Hydropower (dams, weirs, run-off-the-river), including infrastructure (D02)	M

Threat	Ranking
Extraction of minerals (e.g. rock, metal ores, gravel, sand, shell) (C01)	M
Deposition and treatment of waste/garbage from household/recreational facilities (F09)	M
Mixed source pollution to surface and ground waters (limnic and terrestrial) (J01)	H
Physical alteration of water bodies (K05)	H
Other human intrusions and disturbance not mentioned above (H08)	M
Deposition and treatment of waste/garbage from commercial and industrial facilities (F10)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	H
Hydropower (dams, weirs, run-off-the-river), including infrastructure (D02)	H
Drainage for use as agricultural land (A31)	M
Irrigation of agricultural land (A18)	M

8.2 Sources of information

PRESSURES: Mainly based on expert judgement and other data.
THREATS: Based on expert opinion.

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

Adapt/manage extraction of non-energy resources (CC01)
Habitat restoration/creation from resources, exploitation areas or areas damaged due to installation of renewable energy infrastructure (CC07)
Reduce impact of mixed source pollution (CJ01)
Restore habitats impacted by multi-purpose hydrological changes (CJ03)
Reduce impact of multi-purpose hydrological changes (CJ02)
Reduce impact of other specific human actions (CH03)
Habitat restoration of areas impacted by transport (CE06)

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Manage drainage and irrigation operations and infrastructures in agriculture (CA15)

Reduce impact of hydropower operation and infrastructure (CC04)

9.6 Additional information	

10. Future prospects

10.1 Future prospects of parameters	a) Range	Good
	b) Population	Unknown
	c) Habitat of the species	Poor
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	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 No change The change is mainly due to: b) Overall trend in conservation status Use of different method The change is mainly due to: Use of different method
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 5x5 km grid cells (grids5x5)
	b) Minimum	
	c) Maximum	
	d) Best single value	20
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	Unknown (x)	

12.5 Short-term trend of population size within the network Method used	Insufficient or no data available
12.6 Additional information	Species for which either new Natura sites have been designated or former ones have been expanded to cover a bigger part of their populations. The change in 12.1 (in comparison to the previous report) is mainly due to the recent update of the Greek Natura 2000 Database (extended areas of current Natura 2000 sites and newly proposed SCIs) and also (in cases of absent data or mandatory population unit 1x1 grid) to a different approach/method used for the calculation of the population size in GIS.

13. Complementary information

13.1 Justification of % thresholds for trends	The % threshold could not be used for the assessment since: a) a different method for assessing range was employed, compared to the 2nd Reporting Period or b) no data were reported in the 2nd Reporting Period.
13.2 Trans-boundary assessment	
13.3 Other relevant Information	1. Although specimen were found in several spots, the species was not found in streams and dikes, where it was known to be present in the past. However, these streams and dikes have been heavily modified since then. 2. Basic Assumptions: i) "Surface Area Range" (field 5.1) = value extracted from "Range Map" (field 2.5). ii) "Favourable Reference Range" (field 5.10a) = a) "Surface Area Range" (field 5.1) OR b) value extracted from "Additional Reference Range Map" (provided). Depends on whether the Favourable range is equal or larger than actual species range. iii) "Population Size" (field 6.2 or 6.4) = value extracted from "Distribution Map" (field 2.3) or "Additional Distribution Map" (field 2.5) (when provided). iv) "Favourable Reference Population" (field 6.15a) = a) "Population Size" (field 6.2 or 6.4) OR b) value extracted from "Additional Reference Range Map" (provided). Depends on whether the Favourable population is equal or larger than actual species population. v) Habitat "Area Estimation" (field 7.9) = "Distribution Map" (field 2.3) or "Additional Distribution Map" (field 2.5) (when provided).