

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

0.1 Member State	GR
0.2.1 Species code	1032
0.2.2 Species name	Unio crassus
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	N/A

1. National Level

1.1 Maps

1.1.1 Distribution Map	Yes
1.1.1a Sensitive species	No
1.1.2 Method used - map	Estimate based on partial data with some extrapolation and/or modelling (2)
1.1.3 Year or period	2007-2012
1.1.4 Additional map	No
1.1.5 Range map	Yes

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

2.2 Published sources

Mediterranean (MED)

Combination of sampling data (2014) with data reported in (1) Frank 1984, (2) Frank 1988, (3) Maassen 1984, (4) Reischütz & Reischütz 2003, (5) Reischütz et al. 2008a, (6) Reischütz et al. 2008b.

Frank C. 1984. Beitrag zur Molluskenfauna der Östlichen Mittelmeerländer. Teil II: Zusammenfassung der Sammelergebnisse der Jahre 1970, 1972 und 1976 aus Griechenland (Makedonien, Thessalien sowie Mittelgriechenland), mit einer zoogeographischen Diskussion der gefundenen Arten. Malakologische Abhandlungen 9: 117-142.

Frank C. 1988. Beitrag zur Kenntnis der Mollusken fauna der Östlichen Mittelmeerländer. Teil 3 (2): Zusammenfassung der Sammelergebnisse der Jahre 1982-1985 vom kontinentalen Griechenland, dem Peloponnes, dem Nordlichen Sporaden sowie einigen Inseln des Ionischen und Ägäischen Meeres. Malakologische Abhandlungen 13: 1-22.

Maassen WJM. 1984. Enkele vindplaatsen van Mollusken in Noord Griekenland. De Kreukel 20: 23-34.

Reischütz A, Reischütz PL, Fischer W. 2008a. Helleniká pantoía, 17: Zur Kenntnis der Molluskenfauna des Acheloos (Aitolien/Akarnanien, Griechenland).

Nachrichtenblatt der Ersten Vorarlberger Malakologischen Gesellschaft 15: 17-20.

Reischütz A, Reischütz PL. 2003. Hellenika pantoía, 5: Zur Kenntnis der Molluskenfauna des Limni Trichonida und des Limni Lisimachia (Aitolien/Akarnanien, Griechenland). Nachrichtenblatt der Ersten Vorarlberger Malakologischen Gesellschaft 11: 28-30.

Reischütz PL, Reischütz A, Fischer W. 2008b. Helleniká pantoía, 19: Zur Molluskenfauna des Aliakmonas, Loudias, Axios und Strymon (Makedonien, Griechenland). Nachrichtenblatt der Ersten Vorarlberger Malakologischen Gesellschaft 15: 25-27.

2.3 Range

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

2.3.1 Surface area - Range (km ²)	1483
2.3.2 Method - Range surface area	Estimate based on partial data with some extrapolation and/or modelling (2)
2.3.3 Short-term trend period	2001-2012
2.3.4 Short-term trend direction	stable (0)
2.3.5 Short-term trend magnitude	min max
2.3.6 Long-term trend period	
2.3.7 Long-term trend direction	N/A
2.3.8 Long-term trend magnitude	min max
2.3.9 Favourable reference range	area (km ²) operator approximately equal to (≈) unknown No method Expert opinion-No extinction is officially reported for the species at 10km grid scale. Therefore the FVR is considered to be similar with the current range
2.3.10 Reason for change	Improved knowledge/more accurate data Use of different method

2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit N/A min max
2.4.2 Population size (other than individuals)	Unit number of map 10x10 km grid cells (grids10x10) min 9 max 15
2.4.3 Additional information	Definition of locality Conversion method Problems Sampling localities were visited only once in 2014. Time series data and exact population data are missing. Therefore, we used grid cell 10x10km as the population unit as a safe alternative. Minimum population size equals the number of grid cells resulting from its distribution, while the maximum population size equals the number of grid cells resulting from its range.
2.4.4 Year or period	2007-2012
2.4.5 Method – population size	Estimate based on partial data with some extrapolation and/or modelling (2)
2.4.6 Short-term trend period	2001-2012
2.4.7 Short term trend direction	decrease (-)
2.4.8 Short-term trend magnitude	min max confidence interval
2.4.9 Short-term trend method	Estimate based on expert opinion with no or minimal sampling (1)
2.4.10 Long-term trend period	
2.4.11 Long term trend direction	N/A
2.4.12 Long-term trend magnitude	min max confidence interval
2.4.13 Long-term trend method	N/A
2.4.14 Favourable reference population	number operator more than (>) unknown No method Expert opinion-Reference population is greater than actual size, after comparing the minimum estimated population sizes (unit: number of 10x10 grid cells) in the assessed populations with the recent documented historical records (using the same unit -10x10

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

grid cells)

2.4.15 Reason for change Improved knowledge/more accurate data Use of different method

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km ²)	
2.5.2 Year or period	2007-2012
2.5.3 Method used - habitat	Absent data (0)
2.5.4 a) Quality of habitat	Unknown
2.5.4 b) Quality of habitat - method	Absent data
2.5.5 Short term trend period	2001-2012
2.5.6 Short term trend direction	unknown (x)
2.5.7 Long-term trend period	
2.5.8 Long term trend direction	N/A
2.5.9 Area of suitable habitat (km ²)	0
2.5.10 Reason for change	

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
diffuse pollution to surface waters due to agricultural and forestry activities (H01.05)	medium importance (M)	N/A
Water abstractions from surface waters (J02.06)	medium importance (M)	N/A
Fishing and harvesting aquatic resources (F02)	medium importance (M)	N/A

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

2.7 Main Threats

Threat	ranking	pollution qualifier(s)
diffuse pollution to surface waters due to agricultural and forestry activities (H01.05)	medium importance (M)	N/A
Water abstractions from surface waters (J02.06)	medium importance (M)	N/A
Fishing and harvesting aquatic resources (F02)	medium importance (M)	N/A

2.7.1 Method used – threats expert opinion (1)

2.8 Complementary Information

2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information

The site GR2410001 was not included in the species' distribution for the following reasons:
 1) The species was not recorded during the 2014 field surveys in the framework of the current monitoring project.
 2) There has been no recent bibliographic reference testifying the species' presence in this site.
 Possible discrepancies with the SDF will be corrected in the next submission of revised SDF forms.

2.8.3 Trans-boundary assessment

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

2.9.1 Range assessment Favourable (FV)
 qualifiers N/A

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

2.9.2. Population	assessment Inadequate (U1) qualifiers declining (-)
2.9.3. Habitat	assessment Unknown (XX) qualifiers N/A
2.9.4. Future prospects	assessment Inadequate (U1) qualifiers declining (-)
2.9.5 Overall assessment of Conservation Status	Inadequate (U1)
2.9.5 Overall trend in Conservation Status	declining (-)

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

3.1 Population

3.1.1 Population Size	Unit number of map 10x10 km grid cells (grids10x10) min 7 max 9
3.1.2 Method used	Estimate based on partial data with some extrapolation and/or modelling (2)
3.1.3 Trend of population size within	unknown (x)

3.2 Conservation Measures

3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
Establish protected areas/sites (6.1)	Legal One-off	low importance (L)	Inside	Enhance Long term