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0.1 Member State	**GR**
0.2.1 Species code	**1355**
0.2.2 Species name	**Lutra lutra**
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	Vidra

1. National Level

1.1 Maps

1.1.1 Distribution Map	Yes
1.1.1a Sensitive species	No
1.1.2 Method used - map	Complete survey/Complete survey or a statistically robust estimate (3)
1.1.3 Year or period	2012
1.1.4 Additional map	No
1.1.5 Range map	Yes

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

Mediterranean (MED)

2.2 Published sources

1) Bousbouras D. & B. Hallmann 1999. The presence of the otter (Lutra lutra) in the former lake Karla (Thessalia, Greece). Newsletter Hellenic Zoological Society, Vol. 31, pp 9 -10

2) Bousbouras D. (Project Leader) 1999. Special Environmental Study for Grammos & NW Voio. LIFE-NATURE «ARCTOS - second phase» ARCTUROS. Thessaloniki Vol A 324 p.

3)Bousbouras D. 1996b. Otter. In: Tsiouris S. (Project Leader) 1996. Specific management Plan for the site Limnes Cheimaditida – Zazari (GR1340005). EKBY Thermi. 212 p.

4)Bousbouras D. 1996α. Otter. In: Koutrakis M. (Project Leader) 1996. Specific management Plan for the site Stena Nestou (GR1120004). EKBY Thermi. 229p.

5)Bousbouras D. 2001. Otter range and food habits at the lakes Himaditida, Zazari, Petron, Vegoritida and Kastoria. EVS EU, Arcturos

6)Conroy, J.W.H. & Chanin P.R.F., 2000. The status of the Eurasian otter (Lutra lutra) in Europe—a review. Proceedings of the First Otter Toxicology Conference Edited by J. W.H. Conroy, P. Yoxon. 1:7-28.

7)de Smet, K. and Lymberakis, P. 2003. Eurasian Otters (Lutra lutra) in Crete?!. IUCN Otter Spec. Group Bull. 20(1): 72.

8)Delaki, E.-E., Kotzageorgis, G., Vassiliki, I. and Stamopoulos, A., 1988. A Study of Otters in Lake Mikri Prespa, Greece IUCN Otter Spec. Group Bull.

9)Douma-Petridou, E., 1984. Dental inclinations and skull deformations on specimens of the family Mustelidae from Greece. Biologia Gallo-Hellenica, 11(1):129-132.

10)Foster-Turley, P., Macdonald, S. & Mason C. (Eds.).1990. Otters: An action plan for their conservation. Otter Specialist Group/ IUCN

11)Gaethlich, M., 1988. Otters in Western Greece and Corfu. IUCN Otter Spec. Group Bull. 3: 17–23

12)Gourvelou E. 1993. Winter diet of the Otter Lutra lutra and its population status in the lake kerkini. 63 pp. MAICH.

13)Gourvelou, E., Papageorgiou, N., Neophytou, C., 2000. Diet of the otter Lutra lutra in lake Kerkini and stream Milli-Aggistro, Greece. Acta Theriologica, 45(1): 35-44.

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14)IUCN 2008. Lutra lutra. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.2. <www.iucnredlist.org> (http://maps.iucnredlist.org/map.html?id=12419).
15)Macdonald S. M. & C.F. Mason 1984. The otter. Φύσις 27 : 28 – 33
16)Macdonald, S.M. & Mason, C.F. 1994. Status and conservation needs of the otter (Lutra lutra) in the Western Palearctic. Council of Europe, Strasbourg.
17)Macdonald, S.M. & Mason, C.F., 1982. Otters in Greece (Lutra lutra). Oryx, 16(3): 240-244.
18)Macdonald, S.M. & Mason, C.F., 1985. Otters, their Habitat and Conservation in Northeast Greece. Biological Conservation, 31(3): 191-210.
19)Mitchell-Jones, A.J., Amori, G., Bogdanowicz, W., Krystufek, B., Reijnders, P.J.H., Spitzenberger, F., Stubbe, M., Thissen, J.B.M., Vohralik, V., Zima, J., 1999. The Atlas of European Mammals. Academic Press, London, UK.
20)Ruiz-Olmo, J., 2006. The Otter (Lutra lutra L.) on Corfu Island (Greece): Situation in 2006 IUCN Otter Spec. Group Bull. 23(1): 17-25.
21)Urban, P. 1998. Eurasian otter (Lutra lutra L.) in the North – Western Greece – contribution to distribution, limiting factors and conservation measures. Vydra, 8: 44-47
22)Λεγάκις Α. & Μαραγκού Π. (επιμ.), 2009. Το Κόκκινο Βιβλίο των Απειλούμενων Ζώων της Ελλάδας. Ελληνική Ζωολογική Εταιρεία.
23) Μπουρδάκης Σ., Γιαννάτος Γ. & Μπούσμπουρας Δ. 2008. Παρακολούθηση της πανίδας της προστατευόμενης περιοχής Οικολογικού Πάρκου Πάρνωνα – Υγρότοπου Μουστού. Φορέας Διαχείρισης Οικολογικού Πάρκου Πάρνωνα - Υγρότοπου Μουστού. Επιχειρησιακό Πρόγραμμα «Περιβάλλον». Σελ. 164.
24)Χρυσοπολίτου και Χατζηχαραλάμπους (συντονίστριες Έκδοσης). 2008. Δεύτερη εθνική έκθεση για την εφαρμογή της Οδηγίας των Οικοτόπων στην Ελλάδα (περίοδος αναφοράς: 2001-2006): Έντυπα αναφοράς και χάρτες για τους τύπους οικοτόπων του Παραρτήματος Ι και τα είδη των Παραρτημάτων ΙΙ, IV και V που απαντούν στην Ελλάδα. Τριετές πρόγραμμα δράσεων σε θέματα διαχείρισης φυσικού περιβάλλοντος. ΥΠΕΧΩΔΕ, Αθήνα και Ελληνικό Κέντρο Βιοτόπων – Υγροτόπων (ΕΚΒΥ). Θέρμη.

2.3 Range

2.3.1 Surface area - Range (km²)	93272	
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	increase (+)	
2.3.5 Short-term trend magnitude	min	max
2.3.6 Long-term trend period		
2.3.7 Long-term trend direction	N/A	
2.3.8 Long-term trend magnitude	min	max
2.3.9 Favourable reference range	area (km²)	
	operator	approximately equal to (≈)
	unkown	No
	method	Expert judgement
2.3.10 Reason for change	Improved knowledge/more accurate dataUse of different method	

2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit	N/A
	min	max

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2.4.2 Population size (other than individuals)	Unit number of map 5x5 km grid cells (grids5x5) min 1000 max 1500
2.4.3 Additional information	Definition of locality Conversion method Problems To estimate the population a range of values is given, approximating the number of cells deriving from selection of 5X5 grid cells overlapping with water bodies inside the current distribution of the species.
2.4.4 Year or period	2006-2012
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	stable (0)
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 1500 operator N/A unknown No method Expert judgement
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 (km²)	
2.5.2 Year or period	
2.5.3 Method used - habitat	Absent data (0)
2.5.4 a) Quality of habitat	Good
2.5.4 b) Quality of habitat - method	Expert based
2.5.5 Short term trend period	2001-2012
2.5.6 Short term trend direction	increase (+)
2.5.7 Long-term trend period	
2.5.8 Long term trend direction	N/A
2.5.9 Area of suitable habitat (km²)	0
2.5.10 Reason for change	Improved knowledge/more accurate data

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
roads, motorways (D01.02)	medium importance (M)	N/A
trapping, poisoning, poaching (F03.02.03)	medium importance (M)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
human induced changes in hydraulic conditions (J02)	medium importance (M)	N/A
continuous urbanisation (E01.01)	medium importance (M)	N/A

2.6.1 Method used – pressures	based only on expert judgements (1)

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2.7 Main Threats

Threat	ranking	pollution qualifier(s)
roads, motorways (D01.02)	medium importance (M)	N/A
trapping, poisoning, poaching (F03.02.03)	medium importance (M)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
human induced changes in hydraulic conditions (J02)	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

2.8.3 Trans-boundary assessment

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

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

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

3.1 Population

3.1.1 Population Size: Unit: number of map 5x5 km grid cells (grids5x5); min: 420; max: 420

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: N/A

3.2 Conversation Measures

3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
Manage landscape features (6.4)	Administrative	medium importance (M)	Outside	Long term
Establish protected areas/sites (6.1)	Legal Administrative One-off	low importance (L)	Both	Long term
Legal protection of habitats and species (6.3)	Legal Administrative	medium importance (M)	Both	Long term

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Specific single species or species group management measures (7.4)	Legal Administrative	medium importance (M)	Both	Unknown
Other measures (8.0)	Administrative	medium importance (M)	Both	Long term