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CODE: 9350

NAME: Quercus macrolepis forests

1. National Level

1.1 Maps

1.1.1 Distribution Map	Yes
1.1.2 Distribution Method	Estimate based on partial data with some extrapolation and/or modelling (2)
1.1.3 Year or period	2006-2012
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

Dimopoulos P., Xystrakis F. and Tsiripidis I. 2014. Deliverable A1. Final Catalogue of Habitat Types – 1st edition. Ministry of Environment, Energy and Climate Change, OIKOM Ltd - E. Alexandropoulou - A. Glavas, Athens, pages 54.

Dimopoulos P., Fotiadis G., Tsiripidis I., Panitsa M. and Karadimou E. 2014. Deliverable A2. Report and Literature Database on Habitat Types of Greece – 1st edition. Ministry of Environment, Energy and Climate Change, OIKOM Ltd - E. Alexandropoulou - A. Glavas, Athens, pages 210.

Tsiripidis I., Xystrakis F., Kasampalis D., Mastrogianni A., Strid A. and Dimopoulos P., 2014. Deliverable A4. Potential Distribution Maps of Habitat Types – 1st edition. Ministry of Environment, Energy and Climate Change, OIKOM Ltd - E. Alexandropoulou - A. Glavas, Athens, Athens, pages 176.

Dimopoulos P., Tsiripidis I., Xystrakis F., Panitsa M., Fotiadis G., Kallimanis A.S. and Kazoglou I. 2014. Deliverable A6. Explanatory Implementation Manual for the Conservation Degree Assessment of Habitat Types – 1st edition. Ministry of Environment, Energy and Climate Change, OIKOM Ltd - E. Alexandropoulou - A. Glavas, Athens, pages 35. (with Annexes: I. Habitat types protocols, pages 600; II. Explanatory notes on the habitat types protocols selection, pages 4; III. Correspondence of Habitat types protocols with the clusters of vegetation relevés (excel file).

Dimopoulos P., Tsiripidis I., Xystrakis F., Kallimanis A.S and Panitsa M. 2014. Deliverable A7. Preliminary Analysis of the Field Data for the Habitat Types – 1st edition. Ministry of Environment, Energy and Climate Change, OIKOM Ltd - E. Alexandropoulou - A. Glavas, Athens, pages 16.

Αθανασιάδης Ν.Η. & Γερασιμίδης Α.Μ. 1985. Δασικό Οικοσύστημα Στροφιλιά ΒΔ . Πελοποννήσου και Φυτοκοινωνιολογικές του μονάδες. Επιστ. Επετ. Τμημ. Δασολογίας κ Φ.Π. ΚΗ: 247-263.

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Γεωργιάδης Θ., Δημητρέλλος Γ., Δημόπουλος Π. & Βασιλάκης Κ. 1994. Μελέτη της οικολογικής κατάστασης της περιβάλλουσας βλάστησης στα πλαίσια της διαχείρισης και προστασίας του Δέλτα του Αχέροντα. Πρακτικά 5ου Επιστημονικού Συνεδρίου της Ελληνικής Βοτανικής Εταιρίας, Δελφοί, 21-23 Οκτωβρίου 1994: 111-115.

Δεληπέτρου Π., Οικονομίδου Ε. & Τσιουρλής Γ. 1996. Η βιοποικιλότητα των νησιών του Αιγαίου όπως εκφράζεται από τους οικοτόπους και τα είδη της χλωρίδας που προστατεύονται από την οδηγία 92/43/ΕΟΚ στις προτεινόμενες περιοχές του δικτύου "Φύση 2000". Πρακτικά 6ου Επιστημονικού Συνεδρίου της Ελληνικής Βοτανικής Εταιρίας και της Βιολογικής Εταιρείας Κύπρου, Παραλίμνι Κύπρου, 6-

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11 Απριλίου 1996: 74-78.
Μπαζός Ι. & Γιαννίτσαρος Α. 2005. Χλωρίδα και βλάστηση της Λέσβου: γενική επ ισκόπηση. Πρακτικά 10ου Πανελλήνιου Επιστημονικού Συνεδρίου της Ελληνικής Βοτανικής Εταιρίας, Ιωάννινα, 5-8 Μαΐου 2005, σελ. 8 (σε CD).
Pantera A., Papadopoulos A., Fotiadis G. & Papanastasis V. 2009. Distribution and phytogeographical analysis of Quercus ithaburensis ssp. macrolepis in Greece. Ecologia Mediterranea 34: 73-82.
Παντέρα Α., Φωτιάδης Γ. & Παπαδόπουλος Α. 2006. Διερεύνηση της βλάστησης υπολειμματικών δασών βαλανιδιάς (Quercus ithaburensis ssp. macrolepis) στην περιοχή Αλεξανδρούπολης. Επιστ. Επετ. Τμημ. Δασολογίας & Φυσικού Περιβάλλ οντος ΜΔ: 463-475.
Πλατής Π. 2006. Οικότοπος της βαλανιδιάς και κτηνοτροφία στα Ακαρνανικά όρη . Πρακτικά 5ου Πανελλήνιου Λιβαδοπονικού Συνεδρίου της Ελληνικής Λιβαδοπο νικής Εταιρείας, Ηράκλειο Κρήτης, 1-3 Νοεμβρίου 2006: 233-238.
Πλατής Π., Παπαχρήστου Θ., Μελιάδης Ι. & Μαντζανάς Κ. 2007. Ποικιλότητα τύπ ων οικοτόπων της περιοχής Ακαρνανικών ορέων του Δικτύου "Φύση 2000". Πρα κτικά 13ου Πανελλήνιου Δασολογικού Συνεδρίου της Ελληνικής Δασολογικής Ετ αιρείας, Χλόη Καστοριάς, 7-10 Οκτωβρίου 2007 (τόμος Ι): 116-124.
Theocharopoulos M. & Georgiadis Th. 1984. Contribution a l'etude de la vegetation de l'Attique orientale (NEA MAKRI) en Grece (Prise en compte des impacts urbains et touristiques). Ecologia Mediterranea X(3-4): 133-157.

2.3 Range of the habitat type in the biogeographical region or marine region

2.3.1 Surface area - Range (km²)	2251	
2.3.2 Range method used	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 (km²)	
	operator	approximately equal to (≈)
	unkown	No
	method	
2.3.10 Reason for change	Improved knowledge/more accurate data Use of different method	

2.4 Area covered by Habitat

2.4.1 Surface area (km²)	296,3	
2.4.2 Year or period	2000-2012	
2.4.3 Method used	Estimate based on partial data with some extrapolation and/or modelling (2)	
2.4.4 Short-term trend period	2001-2012	
2.4.5 Short-term trend direction	stable (0)	
2.4.6 Short-term trend magnitude	min	max

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2.4.7 Short term trend method used	Estimate based on partial data with some extrapolation and/or modelling (2)
2.4.8 Long-term trend period	
2.4.9 Long-term trend direction	N/A
2.4.10 Long-term trend magnitude	min max
2.4.11 Long term trend method used	N/A
2.4.12 Favourable reference area	area (km) operator approximately equal to (≈) unknown No method
2.4.13 Reason for change	Improved knowledge/more accurate data Use of different method

2.5 Main Pressures

Pressure	ranking	pollution qualifier(s)
grazing (A04)	medium importance (M)	N/A
livestock farming and animal breeding (without grazing) (A05)	low importance (L)	N/A
Forest and Plantation management & use (B02)	low importance (L)	N/A
Roads, paths and railroads (D01)	low importance (L)	N/A
Other human intrusions and disturbances (G05)	low importance (L)	N/A
invasive non-native species (I01)	low importance (L)	N/A

2.5.1 Method used – pressures: mainly based on expert judgement and other data (2)

2.6 Main Threats

Threat	ranking	pollution qualifier(s)
grazing (A04)	low importance (L)	N/A
livestock farming and animal breeding (without grazing) (A05)	low importance (L)	N/A
Forest and Plantation management & use (B02)	low importance (L)	N/A
Roads, paths and railroads (D01)	low importance (L)	N/A

2.6.1 Method used – threats: expert opinion (1)

2.7 Complementary Information

2.7.1 Species
Anagyris foetida
Asparagus acutifolius
Brachypodium retusum
Cistus creticus
Cistus salviifolius
Dactylis glomerata
Osyris alba
Phlomis fruticosa
Piptatherum miliaceum
Pistacia lentiscus
Pistacia terebinthus

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Pyrus spinosa
Quercus coccifera
Quercus ithaburensis ssp. Macrolepis
Quercus pubescens
Rhamnus alaternus
Rosa sempervirens
Rumex tuberosus
Styrax officinalis

2.7.2 Species method used	Typical species were determined on the basis of a vegetation database, comprised of about 22000 sampling plots. First, a list of possible typical species was determined per habitat type, selecting the ones presenting a high fidelity value to the habitat types according the algorithm of Tsiripidis et al. (2009) and the phi coefficient value (Chytrý et al. 2002). Then typical species per habitat type were selected from the above-mentioned lists by expert judgment and using as criteria species niche breadth, their ability to comprise indicators of habitat types' conservation status and their function as keystone species. The nomenclature of the typical species follows Dimopoulos et al. (2013). References Chytrý , M., Tichý , L., Holt, J. & Botta-Duká t, J. 2002. Determination of diagnostic species with statistical fidelity measures. Journal of Vegetation Science 13: 79–90. Dimopoulos, P., Raus, Th., Bergmeier, E., Constantinidis, Th., Iatrou, G., Kokkini, S., Strid, A. & Tzanoudakis, D. 2013: Vascular plants of Greece: an annotated checklist. – Berlin: Botanischer Garten und Botanisches Museum Berlin-Dahlem, Freie Universität Berlin; Athens: Hellenic Botanical Society. Englera 31: 1-367. Tsiripidis, I., Bergmeier, E., Fotiadis, G. & Dimopoulos, P. 2009. A new algorithm for the determination of differential taxa. Journal of Vegetation Science 20: 233-240.
2.7.3 Justification of % - thresholds for trends	
2.7.4 Structure and functions - methods used	Complete survey/Complete survey or a statistically robust estimate (3)
2.7.5 Other relevant information	

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

2.8.1 Range	assessment	Favourable (FV)
	qualifiers	N/A
2.8.2 Area	assessment	Favourable (FV)
	qualifiers	N/A
2.8.3 Specific structures and functions (incl Species)	assessment	Favourable (FV)
	qualifiers	N/A
2.8.4 Future prospects	assessment	Favourable (FV)
	qualifiers	N/A
2.8.5 Overall assessment of Conservation Status	Favourable (FV)	
2.8.5 Overall trend in Conservation Status	N/A	

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3. Natura 2000 coverage _conservation measures - Annex I habitat types on biogeographical level

3.1 Area covered by habitat

3.1.1 Surface area (km²)	min	100,9	max	100,9
3.1.2 Method used	Complete survey/Complete survey or a statistically robust estimate (3)			
3.1.3. Trend of surface area	stable (0)			

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
Establish protected areas/sites (6.1)	Legal Administrative One-off	medium importance (M)	Inside	Maintain Long term