

# Report on the main results of the surveillance under Article 17 for Annex I habitat types (Annex D)

## NATIONAL LEVEL

### 1. General information

1.1 Member State	GR
1.2 Habitat code	92A0 - <i>Salix alba</i> and <i>Populus alba</i> galleries

### 2. Maps

2.1 Year or period	2015
2.3 Distribution map	Yes
2.3 Distribution map Method used	Based mainly on extrapolation from a limited amount of data
2.4 Additional maps	Yes

## BIOGEOGRAPHICAL LEVEL

### 3. Biogeographical and marine regions

3.1 Biogeographical or marine region where the habitat occurs	<b>Mediterranean (MED)</b>
3.2 Sources of information	<p>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.</p> <p>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).</p> <p>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.</p> <p>Αθανασιάδης Ν., Θεοδωρόπουλος Κ., Ελευθεριάδου Ε. &amp; Δρόσος Ε. 1996. Δασικές φυτοκοινωνίες του δέλτα του Θεσσαλικού Πηνειού. Επιστ. Επετ. Τμημ. Δασολογίας και Φυσικού Περιβάλλοντος 39(2): 879-902.</p> <p>Βασιλόπουλος Γ. 2005. Ανάλυση της χλωριδικής δομής και διερεύνηση της διαδοχής στις φυσικές και ανθρωπογενείς φυτοκοινωνίες του παρόχθιου δάσους Νέστου. Μεταπτυχιακή Διατριβή. ΑΠΘ, σελ. 140.</p> <p>Βασιλόπουλος Γρ., Τσιριπίδης Ι. &amp; Μπαμπαλώνας Δ. 2005. Συμβολή στη γνώση της βλάστησης των παρόχθιων δασών της νότιας Βαλκανικής Χερσονήσου. Πρακτικά 10ου Πανελληνίου Επιστημονικού Συνεδρίου της Ελληνικής Βοτανικής Εταιρίας, Ιωάννινα, 5-8 Μαΐου 2005, σελ. 10 (σε CD).</p> <p>Βιτώρης Κ. 2000. Ανάλυση δομής – δυναμική και οικολογική ερμηνεία των παρόχθιων δασών της Κερκίνης και του Στρυμόνα. Διδακτορική Διατριβή. ΑΠΘ,</p>

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- σελ. 144. Βραχνάκης Μ., Φωτιάδης Γ. & Καζόγλου Ι. 2011. Τύποι Οικοτόπων Εθνικού Πάρκου Πρεσπών – Αναγνώριση-Καταγραφή 2011. Εταιρία Προστασίας Πρεσπών, σελ. 101.
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- Θεοδωρόπουλος Κ. 2001. Ζώνες βλάστησης και τύποι οικοτόπων του νομού Θεσσαλονίκης. *Επιστ. Επετ. Τμημ. Δασολογίας & Φυσικού Περιβάλλοντος ΜΔ*: 353-381.
- Θεοδωρόπουλος Κ., Ελευθεριάδου Ε. & Τσιριπίδης Ι. 2006. Ποικιλότητα τύπων οικοτόπων της περιοχής "Στενά Καλαμακίου" του δικτύου " Φύση 2000". Πρακτικά 4ου Πανελληνίου Λιβαδοπονικού Συνεδρίου της Ελληνικής Λιβαδοπονικής Εταιρείας, Βόλος, 10-12 Νοεμβρίου 2004: 39-49.
- Καράγιαννη Π., Τηνιακού Α. & Γεωργιάδης Θ. 2005. Συμβολή στην παρόχθια βλάστηση των ποταμών της Δυτικής Ελλάδος. Πρακτικά 10ου Πανελληνίου Επιστημονικού Συνεδρίου της Ελληνικής Βοτανικής Εταιρείας, Ιωάννινα, 5-8 Μαΐου 2005, σελ. 10 (σε CD).
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- Krause W., Ludwig W. & Seidel F. 1963. Zur Kenntnis der Flora und Vegetation auf Serpentinstandorten des Balkans. 6. Vegetationsstudien in der Umgebung von Mantoudi (Euböa). *Bot. Jahrb. Syst.* 82(4): 337-403 + 7 tables.
- Κωνσταντινίδης Π. & Τσιουρλής Γ. 2001. Οι βλαστητικές μονάδες (τύποι οικοτόπων) της Επαρχίας Λαγκαδά (Λεκάνη Μυγδονίας): Μέρος Ι: Περιγραφή, ανάλυση και χαρτογράφηση. *Επιστ. Επετ. Τμημ. Δασολογίας & Φυσικού Περιβάλλοντος ΜΔ*: 627-654.
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- Vasilopoulos G., Tsiripidis I. & Karagiannakidou V. 2007. Do abandoned tree plantations resemble natural riparian forests? A case study from northeast Greece. *Bot. Helv.* 117: 125-142.

## 4. Range

4.1 Surface area	2679
4.2 Short-term trend Period	2007-2018
4.3 Short-term trend Direction	Stable (0)
4.4 Short-term trend Magnitude	a) Minimum <span style="margin-left: 150px;">b) Maximum</span>
4.5 Short-term trend Method used	Based mainly on extrapolation from a limited amount of data
4.6 Long-term trend Period	



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6.4 Short-term trend of habitat area in good condition Direction	Stable (0)
6.5 Short-term trend of habitat area in good condition Method used	Complete survey or a statistically robust estimate
6.6 Typical species	Has the list of typical species changed in comparison to the previous reporting period? No
6.7 Typical 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-Dukat, J. 2002. Determination of diagnostic species with statistical fidelity measures. <i>Journal of Vegetation Science</i> 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. <i>Journal of Vegetation Science</i> 20: 233-240.
6.8 Additional information	Assumption: 90% of habitat area is estimated to be in good condition.

## 7. Main pressures and threats

### 7.1 Characterisation of pressures/threats

Pressure	Ranking
Conversion into agricultural land (excluding drainage and burning) (A01)	H
Irrigation of agricultural land (A18)	M
Intensive grazing or overgrazing by livestock (A09)	M
Clear-cutting, removal of all trees (B09)	H
Agriculture activities not referred to above (A36)	M
Sports, tourism and leisure activities (F07)	H
Creation or development of sports, tourism and leisure infrastructure (outside the urban or recreational areas) (F05)	M
Other human intrusions and disturbance not mentioned above (H08)	M
Threat	Ranking
Conversion into agricultural land (excluding drainage and burning) (A01)	H
Intensive grazing or overgrazing by livestock (A09)	M
Clear-cutting, removal of all trees (B09)	H
Sports, tourism and leisure activities (F07)	H

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Other invasive alien species (other than species of Union concern) (I02)	H
Mixed source soil pollution and solid waste (excluding discharges) (J04)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Pollution to surface or ground water due to urban run-offs (F11)	H

## 7.2 Sources of information

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

## 7.3 Additional information

## 8. Conservation measures

### 8.1 Status of measures

a) Are measures needed?	Yes
b) Indicate the status of measures	Measures identified, but none yet taken

### 8.2 Main purpose of the measures taken

### 8.3 Location of the measures taken

### 8.4 Response to the measures

### 8.5 List of main conservation measures

Prevent conversion of natural and semi-natural habitats, and habitats of species into agricultural land (CA01)

Restoration of Annex I forest habitats (CB08)

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

Adapt mowing, grazing and other equivalent agricultural activities (CA05)

Adapt/change forest management and exploitation practices (CB05)

Reduce impact of outdoor sports, leisure and recreational activities (CF03)

Manage conversion of land for construction and development of infrastructure (CF01)

Reduce impact of other specific human actions (CH03)

Habitat restoration of areas impacted by residential, commercial, industrial and recreational infrastructure, operations and activities (CF02)

### 8.6 Additional information

## 9. Future prospects

### 9.1 Future prospects of parameters

a) Range	Good
b) Area	Good
c) Structure and functions	Poor

### 9.2 Additional information

## 10. Conclusions

### 10.1. Range

Favourable (FV)

### 10.2. Area

Favourable (FV)

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10.3. Specific structure and functions (incl. typical species)	Favourable (FV)
10.4. Future prospects	Unfavourable - Inadequate (U1)
10.5 Overall assessment of Conservation Status	Unfavourable - Inadequate (U1)
10.6 Overall trend in Conservation Status	Stable (=)
10.7 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 No change The change is mainly due to:
10.8 Additional information	

## 11. Natura 2000 (pSCIs, SCIs, SACs) coverage for Annex I habitat types

11.1 Surface area of the habitat type inside the pSCIs, SCIs and SACs network (in km <sup>2</sup> in biogeographical/marine region)	a) Minimum b) Maximum c) Best single value 57,66
11.2 Type of estimate	Minimum
11.3 Surface area of the habitat type inside the network Method used	Complete survey or a statistically robust estimate
11.4 Short-term trend of habitat area in good condition within the network Direction	Stable (0)
11.5 Short-term trend of habitat area in good condition within network Method used	Complete survey or a statistically robust estimate
11.6 Additional information	The change in 11.1 (in comparison to the previous report) is due to the updated mapping datasets on terrestrial habitat types within the Natura 2000 network (pSCIs, SCIs and SACs), based on the most recent national project (results became available in 2018). As this project did not include the extended areas of the Natura 2000 sites, nor the newly proposed SCIs, the surface area reported is the minimum.

## 12. Complementary information

12.1 Justification of % thresholds for trends
12.2 Other relevant information