The presentation of the plants in the Protected Area is a difficult task since a purely scientific approach would make hard for the non - experienced reader to recognize the beauty of the area. We hope that the plants' presentation according to the habitats they are distributed will help everybody to the magnificent tour in these ecosystems.



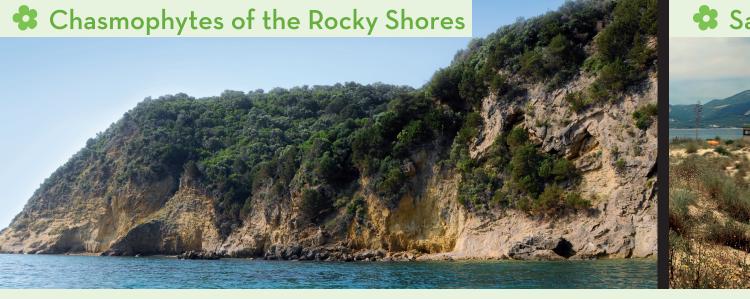
The Wetland plants vary a lot with respect to their size, biological cycle and adaptations to the wetland environment. A variety of different plants may exist in the same Wetland, e.g. mosses and deciduous trees. In the N.MP.Z. Protected Area you will meet 8 different Wetlands with the respective plant communities. The most extended Wetland is the Keri Lake which is unique in Greece due to the natural outflow of petroleum known since the antiquity. Various types of marsh vegetation develop in the lake, depending on the water type (fresh or brackish), the duration of inundation and human influence (combustion, filling e.t.c.). The reed (Phragmites australis) is dominant throughout the lake but rushes (Juncus species) and sedges, such Bolboschoenus maritimus and the rare in the area Cladium mariscus, prevail



Reed Beds and Halophytic habitats (Salt Marshes)



Reed beds in water channel and Wetland Plants



Ec. Type 1240

Ec. Type 1240+8210

Ec. Types: 9540, 8210

Coastal rocks are inhabited by the chasmophytes, plants adapted

to the adverse conditions At rocks substantially subject to the

sea spray, halophytic communities develop with species such

as Crithmum maritimum, Lotus cytisoides, (Sekania beach),

Matthiola sinuata (Peluzo island, Agios Sostis beach), Capparis

spinosα (Gerakas beach) and the Zakynthos endemics Limonium

zacynthium and L. phitosianum. At the limestone coastal cliffs (Keri,

Marathonisi, Peluzo), at zones not influenced by the sea spray, a rich

chasmophytic vegetation develops characterised by the species

Ptilostemon chamaepeuce, Jacobaea maritima subsp. bicolor.

occidentalis. At the Keri area we meet the rare species Asperula

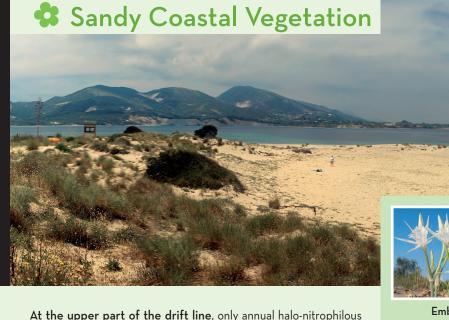
naufraga (endemic in Zakynthos), Stachys ionica (endemic in the

Ionian region), Teucrium halacsyanum (Greek endemic). Pines and

junipers and the rare Hypericum aegypticum often descent to the

steep rocks.

Putoria calabrica and the Greek endemic Dianthus fruticosus subsp.



species survive, like Cakile maritima. Immediately behind this, the

sand dune ecosystem begins, with the first line of 'moving dunes'.

sand, form 'embryonic dunes' (dominant species is the sand couch

grass Elytrigia juncea), or larger 'white dunes' (dominant species is

the marram grass Ammophila arenaria), which occurs only at the

extended beach of Laganas. Other ammophilous species occurring

on Zakynthos dunes are the sea lily (Pancratium maritimum) and the

sea holly (Eryngium maritimum). Behind the moving dunes, the 'fixed

grey dunes' are formed, with small bushes such as Helianthemum

nummularium and the thyme (Coridothymus capitatus) at Laganas or

with perennial herbs like the Centaurea seridis subsp. sonchifolia at

Marathonisi. Scrub with lentisc, myrtle and the large berried prickly

juniper (Laganas) or the phoenicean juniper (Vasilikos) develops at

the upper parts of higher, relatively stable, dunes.

Here, the "sand stabilizers", specialized plants that anchor the



Embryonic Shifting Dunes - Ec. Type 2110

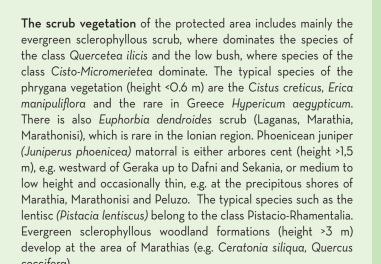




Fixed Dunes - Ec. Type 2210

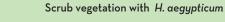


Fixed Dunes - Ec. Types 2270*, 2210



🕏 Scrub Vegetation 🖥





Endemic forests-Juniperus spp. - Ec. Type 9560



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Κάνουμε τις πράξεις, ζούμε το αποτέλεσμα





Location: Gerakas

Pine cones and Cypress FOREST

The top dome is a mixture of Pinus pinea and acclimatized Cupressus sempivirens subsp. horizontalis and C. sempivirens subsp. pyramidalis. On the lower floor there are species of maquis (Myrtus communis, Erica arborea, Cistus sp.) while the ground cover includes Cyclamens, species of the family Araceae and Orchids. The small population of pine trees at Gerakas, is the remainder of the older bigger natural growth distributed in this area in the past.

Quercus ilex FORESTS

Location: Skopos Mountain, East and West of Skopos

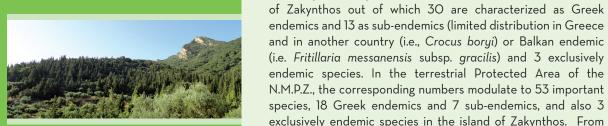
The most representative forest in the area with dominant species Quercus ilex and the participation of Quercus coccifera develops at the Skopos Mountain. Small stands of Quercus ilex, of medium representation, also grow in few locations at the peripheral zone of the N.M.P.Z. East and West of the Skopos Mountain.

Pinus halepensis FORESTS

Location: Marathia, Vasilikos, Sarakina

Forests with Pinus halepensis constitute the most extensive vegetation type in the Protected Area. The lower floor of high bushes includes species such as Quercetea ilicis, Quercus coccifera, Arbutus unedo, Pistacia lentiscus. The lower floor of the low bushes includes species of brushwood, mainly species of the genus Cistus and the species Anthyllis hermaniae. The herbaceous lower floor is usually poor in closed forests and includes graminaceous species (e.g. Dactylis glomerata), Cyclamens and Orchids.







MIXED FOREST OF Quercus ilex ND HIGH MAQUIS

Dafni, the hills of Vasilikos Porto Roma and Marathonisi island

There is a variety of oak mixed forests of Quercus ilex and Quercus coccifera. Generally, the forests are inaccessible due to the density of brambles (i.e. Smilax aspera). The Marathonisi and the Porto Roma forests are also covered by the climbing Ephedra fragilis campylopoda. The lower floor is dominated by Cyclamens and species of the Araceae family. At foothills of Skopos Mountain at Vasilikos, the forest contains also Cupressus sempivirens, Lauris nobilis, Ceratonia siliqua and the Orchid Limodorum abortivum.

including the exclusively endemic species of Zante (Asperula

naufraga-endangered) Limonium phitosianum-vulnerable,

in Greece (Ophrys reinholdii, Ophrys ferrum-equinum subsp.

gottfriediana, Orchis laxiflora, Orchis palustris). In addition, the





Ophrys scolopax









CIENTIFIC NAME

Alkanna corcyrensis

Anchusella variegata

Asperula naufraga

Arenaria peloponnesiaca

Delphinium hellenicum

Dianthus fruticosus subsp.

ptaptera colladonioides

Iris unguicularis subsp. carica var. angustifolia

eontodon graecus

Limonium phitosianum

imonium zacvnthium

Medicago muricoleptis

Ophrys sphegodes subsp.

Ophrys reinholdii

Ophrys ferrum-equinum subsp.

Brassica cretica subsp. aegaea

Allium ionicum





Conservation Protection
Status Status

NE

NE

LC

VU/NT

VU

VU

NE

LC

COMMON NAME

Reinhold's Ophyrs

Swamp-Living Orchis

butcher's-broom

Bergon's Tongue-orchid NE





Ory stony locations, phrygana (brushwoods)



Open locations at phrygana and olive grooves, pine forests

Grassland on poor soils, garriques, olive grooves, open forests





INDICATIVE HABITATS

Open, dry and sunny locations at phrygana and low scrub vegetation

Open rocky slopes, uncultivated olive grooves, at fixed coastal dunes

Crevices of coastal rocks, usually at shady and semi-shady locations

Grasslands, garriques, open pine forests at terra-rosa at limestone

/arious types of scrub vegetation, usually of high or medium height

Rocky and gravelly locations, phrygana, dry meadows

Rocky slopes and embankments, sandy coastal edges

Dry rocky slopes, olive grooves, sandy coastal locations

Dry, rocky locations at banks and slopesm open forests

cky slopea and cliffs, open pine forests, phrygana

Crevices of coastal rocks, sandy coastal locations

Grasslands with solid and moist ground, olive grooves

Grasslands, garrigues, phrygana, open forests

Grasslands on poor soils, garrigues, pine forests

Coastal salt marshes, humid grasslands, brackish soils

Dry, stony slopes with residues of maguis and phrygana

Grasslands, garrigues, phrygana, forests

Locations wetted or deluged by water

Calcareous sunny rocky slopes and edges

Mountainous, calcareous cliffs

Coastal calcareous cliffs

Calcareous cliffs

Calcareous cliffs



















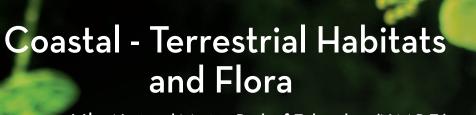












at the National Marine Park of Zakynthos (N.M.P.Z.)

ive plants, while the endemic taxa (species and infra-specific taxa) reach the 1,500. This high biodiversity, the largest in the European Union (taking into account the small area of Greece), should be attributed to the variety of bioclimate and geology, as well as to an adventurus paleogeology. The Protected Area of the N.M.P.Z., and especially the coastal and terrestrial ecosystems, as part of this richness, offers a uniqu experience to everyone to navigate the area and discover its special features and get its natura

nd fragile wealth.

The floristic richness of Greece is important, as it includes over 6,500