Crete

Naturetrek Tour Report

1 – 8 April 2014









Orchis pauciflora

Report compiled by David Tattersfield & Barry Oxley Images by David Tattersfield



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Day 1 Tuesday 1st April

We all met at Gatwick and after a long wait on the tarmac, because of fog, eventually arrived somewhat late at Heraklion airport. After loading our vehicles, we departed for Plakias, in pleasant sunshine. As we drove west, we noted Oleander Nerium oleander and the invasive False Acacia Robinia pseudoacacia, flowering on the roadsides.

After a while, we stopped to stretch our legs and do a little botanising, finding Eastern Strawberry Tree Arbutus andrachne, Branched Broomrape Orobanche ramosa, Pink Cistus Cistus creticus, the Mastic Tree Pistacia lenticus, Hypericum empetrifolium and the common pungent Savory Satureja thymbra. Further on, the showy thistle Galactites tomentosa was flowering in profusion at the side of the roads together with both forms of the Crown Daisy Glebionis coronaria, and magnificent stands of the very showy Giant Fennel Ferrula communis. We stopped for a welcome coffee break at the Taverna Pyrgos overlooking a scenic valley south of Armeni, before making for the Kourtaliotiko Gorge. Here we noted a few Eurasian Griffon Vultures, a Peregrine and Alpine Swifts before making the final part of our journey to our hotel, arriving around 7.00 p.m. After dinner we discussed the next day's itinerary and retired to bed, eagerly anticipating the delights the following days would produce.

Day 2 Wednesday 2nd April

We awoke to another bright and sunny day, with temperatures eventually reaching in excess of 20 degrees. Our day started with a short pre-breakfast walk along the cliff to familiarise ourselves with the local flora and fauna. Sparrows, of the *italiae* race of "our" House Sparrows, were busily building nests in the rock crevices on the cliff, where the endemic Cretan Viper's Grass *Scorzonera cretica* and Shrubby Mullein *Verbascum arcturus* were beginning to flower. The slopes below were clothed with yellow Jerusalem Sage *Phlomis fruticosa* and orange Tree Spurge *Euphorbia dendroides*.

After breakfast, which was interrupted with a rare passing Lanner Falcon, we made for the nearby Turkish Bridge, admiring the ancient structure and noting Storax Styrax officinalis, yellow Honeywort Cerinthe major and some fine specimens of the Bean Broomrape Orobanche crenata and the smaller Branched Broomrape Orobanche ramosa, parasitizing Bermuda Buttercup Oxalis pes-caprae. Some of the group visited the Moni Preveli Monastery, while others opted for a walk in a nearby valley, where a Blue Rock Thrush was singing from a rock, accompanied by jangling Corn Buntings, and a lone Black-eared Wheatear, wheezing nearby. Another stop at the Kourtaliotiko Gorge produced a pair of breeding Bonelli's Eagles, which were dwarfed by the huge Griffons. Red-billed Chough and Ravens danced and displayed in the up-draughts while Alpine Swifts and Crag Martins swooped and wheeled overhead. Moving off to our picnic spot in the hills, we found some excellent specimens of Cretan Dutchman's Pipe Aristolochia cretica including a rare white form, while the picnic was prepared.

Afterwards we made for Gious Kambos, better known as Spili Hill to search for orchids. Magnificent stands of pink Naked Man Orchid Orchis italica were evident together with Bory's Orchid Anacamptis boryi, the yellow Anacamptis pauciflora, and many Bee Orchids, including Rainbow Ophrys iricolor, Creberrima Ophrys Ophrys creberrima, Bumblebee Ophrys Ophrys bombyliflora and Heldreich's Ophrys Ophrys heldreichii. We were totally bemused with the botanical complexities of the Bee Orchids and found the white Cretan Valerian Valeriana asarifolia a welcome relief. The Red Tulip Tulipa doerfleri was flowering in the surrounding fields, its stoloniferous habit ensuring its survival through irregular ploughing, while Common Asphodel Asphodelus aestivus stood sentinel on the slopes. We returned to Plakias via Kourtaliotiko Gorge where we had a quick stop before returning to our hotel for a relaxing drink and a satisfying meal, before the checklist and bed.

Day 3 Thursday 3rd April

A clear and sunny morning promised another lovely day with a pleasant 21 degrees predicted. Another brief botanical foray before breakfast noted Caper *Capparis spinosa* growing on the cliff face and on the dunes, the showy *Silene colorata* and the diminutive endemic Tassel Hyacinth *Muscari spreitzenhoferi*.

After collecting provisions for our picnic, we set off east towards Phaestos, stopping briefly at Kourtaliotoki Gorge, where the Griffons, Ravens, Crag Martins, Choughs and Bonelli's Eagles performed for us again. We stopped in Spili for a coffee and a look at the fountain and shops, before taking the long road to our destination. We made two roadside stops along the way, finding lovely banks of Turban Buttercup Ranunculus asiaticus, the blue Hairy Lupin Lupinus micranthus and Pale Bugloss Echium italicum together with Gagea graeca and Perfoliate Alexanders Smyrnium perfoliatum subsp. rotundifolium. Driving onwards, past a sea of polytunnels at Timbaki, we explored the archaeology at Phaestos, before enjoying lunch as we gazed across the fertile Mesara plain full of endless rows of olive trees, artistically framed against the backdrop of snow capped Mt. Ida.

We returned via Agia Triada stopping to view the endemic Shrubby Sainfoin *Ebenus cretica*, which was coming in to flower on a sunny bank, and then made for the fertile Amari Valley, taking the road via Foufouras and Gerakari. Walnut *Juglans regia* and Oriental Plane *Platanus orientalis* were breaking into leaf at the road edges, and here we spotted a Marsh Harrier on migration. We made an unplanned stop at a field which was a blue wash of Barbary Nut *Moraea* (*Gynandriris*) *sisyrinchium*, before arriving back at the Spili Hill area where we made another short botanical foray, before returning to Plakias for our evening meal.

Day 4 Friday 4th April

Although the morning started a little cloudy this soon cleared to leave a great day for walking the Imbros Gorge. Our first stop was at the nearby Kotsifou Gorge, where special plants included the yellow Cretan Arum Arum creticum, Rock Groundsel Senecio rupestris and the delicate pink endemic crucifer Ricotia cretica. We drove along the scenic south coast, passing through sleepy villages and magnificent scenery before stopping at a known migrant spot just before Frangocastello. We watched the many Crested Larks that had congregated in the olive groves along with Northern Wheatears, Whinchats and the black-headed feldegg race of Yellow Wagtail, before moving on to the castle and beach which was, by contrast, devoid of bird life. We followed the long and winding road upwards to the head of the Imbros Gorge, where we consumed the local speciality of pancakes with honey to sustain us on our walk. A Marsh Harrier hunted across the mountainside, presumably feeding up on its way north. Most of us set off on the eight kilometre walk down the dramatic ravine, taking around three to four hours. Many botanical highlights slowed our pace, including Saxifraga chrysosplenifolia, the large-leaved Ranunculus creticus, Shrubby Flax Linum arboreum, the distinctive evergreen shrubby thistle Staehelina petiolata and the extremely local Spurge Euphorbia sultan-hassei, similar to the Tree Spurge Euphorbia dendroides but distinguished by its warty fruit.

At the bottom of the gorge we had a light snack while the vehicles were retrieved, and made for home after a fulfilling day.

Day 5 Saturday 5th April

We were moving base today, leaving the lovely Plakias bay and heading for Hania. After loading the vehicles, we set off for a full exploration of the headland as far as wartime tunnels. Several species of orchid included Tongue Orchid Serapias lingua, Pyramidal Orchid Anacamptis pyramidalis and Ophrys doerfleri and other noteworthy additions were the rare Daphne gnidioides, Nigella damascena, the dainty Tulipa cretica and the rock-hugging Campanula tubulosa, still in tight bud. As the sun came out, we left Plakias, made a brief stop at the gorge to watch more Alpine Swifts, Red-rumped Swallows and a passing Peregrine and continued north to the late-Minoan cemetery at Armeni. We explored this important archaeological site before and after lunch, finding many Tongue Orchids, mostly Serapias lingua, colonies of Naked Man Orchid Orchis italica and a selection of Bee Orchids, which included some fine specimens of Heldreich's Ophrys, Ophrys heldreichii, all growing under a canopy of Valonia Oak Quercus ithaburensis subsp. macrolepis. Chaffinch dominated the bird scene and took full advantage of our crumbs, before we set out for our next stop at Georgeoupolis.

This coastal town is blessed with a natural spring draining from the mountains which surfaces in a large pond. Here Coots, Moorhens and Little Grebes competed with a lone Sedge Warbler and a Squacco Heron for attention before we made for the town for coffee and ice creams.

We made a stop at the Allied War Cemetery at the head of Souda Bay, where the immaculately kept graves reminded us of the tragedy of the Battle of Crete and the futility of war. On arrival in Hania, we were made welcome and settled in to our comfortable rooms before walking to a nearby taverna, where we sampled a range of traditional local food.

Day 6

Sunday 6th April

After breakfast we left for Agia Lake, arguably the best of Crete's wetlands. We arrived to find a fine male Garganey, the hoped for Little Crakes, and a Purple Heron. Western Marsh Harriers patrolled the reed beds as we scanned through a few waders, which were mainly Wood Sandpipers and a lone Little Stint.

We then headed off towards the Omalos plateau negotiating the many S bends and stopping at Lakki to take in the view. We were pleased to have chosen Sunday for our excursion, as the construction teams involved in the road-widening had the day off and so we experienced no hold ups and little traffic. After a welcome coffee stop in Omalos where there was a stuffed Lammergeier and some captive Kri Kri to wonder at, we headed out onto the plateau. The Tulips *Tulipa bakeri* were in full bloom in the stony fields, complimented by the mainly blue Crown Anemone *Anemone coronaria* and we located a plant of the white Cretan Paeony *Paeonia clusii* subsp. *clusii*, still unfortunately in bud, in an enclosed field. Woodlark sang their musical songs from treetops and Northern Wheatears vied for territory, whilst Stonechats perched on posts, declaring possession of their patch.

After our picnic, we made for the head of the Samaria Gorge and enjoyed magnificent views of the mountain scenery. The familiar *Aubrieta deltoidea* was flowering on the slopes and nearby were some fine specimens of the endemic Elm-relative *Zelkova abelicea*. After coffee in the upper cafe, we completed a clockwise circuit of the plateau, finding more colourful Anemones, patches of the curious Widow Iris *Iris tuberosa* and many Northern Wheatears and Linnets. Another stop at Agia Lake on the way back made us quite late, so to save some time, we drove down to the harbour and enjoyed another excellent evening meal.

Day 7 Monday 7th April

The characterful town of Hania was our first destination this morning and we explored the museums, shops and market before gathering at one of the many tavernas on the harbour. Then we headed out to the Akrotiri peninsula, first visiting Agia Triada Monastery and its grounds before moving further onto the headland for our last picnic, near a restored church among the olive trees. Here Dragon Arums *Dracunculus vulgaris* were in abundance and a Marsh Harrier, Whinchats and a Woodchat Shrike entertained us, as we enjoyed our meal.

Driving to the end of the road, at Moni Gouverneto, we took a downhill track to the Cave of St. John. After some careful searching we found the tiny onion *Allium circinnatum* subsp. *circinnatum* with corkscrew leaves. A few of us ventured further to the deserted ruins of the Katholikou Monastery where Cretan Millfoil *Achillea cretica* and Shrubby Verbascum *Verbascum arcturus* grew profusely on the walls. Back in Hania, we walked to our chosen Taverna, in the maze of interesting alleyways behind the harbour. We sat outside, under a canopy initially, but it rained torrents and so, amid much laughter, we were ushered inside to finish our raki, before returning to the hotel in four taxis.

Day 8 Tuesday 8th April

We said our goodbyes at the Halepa and left soon after 9.00 a.m. for the airport. The two hour drive east along the coast road was accomplished in good time and allowed a short visit to the famous archaeological site at Knossos. We arrived at the airport around midday and checked in for the flight back to Gatwick.

Species Lists

Plants (• = endemic or near endemic to Crete; ‡ = cultivated or naturalised)

Scientific name Common name Notes

LYCOPODIOPSIDA CLUBMOSSES

Selaginellaceae Lesser Clubmoss Family

Selaginella denticulata Mediterranean Clubmoss Damp earth

EQUISETOPSIDA HORSETAILS

Equisetaceae Horsetail Family

Equisetum ramosissimum Branched Horsetail Hedges

Equisetum telmateia Giant Horsetail Wet areas. Agia

PTEROPSIDA FERNS

Aspleniaceae Spleenwort Family

Asplenium ceterach Rustyback Rock crevices. Common
Asplenium onopteris Acute-leaved Spleenwort Shaded banks. Uncommon

Asplenium trichomanes subsp. quadrivalens Maidenhair Spleenwort Cliffs. Uncommon

Dennstaedtiaceae Bracken Family

Pteridium aquilinum Bracken Common

Dryopteridaceae Buckler-fern Family

Dryopteris pallida Pale Buckler-fern Shaded cliffs. Imbros

Polypodiaceae Polypody Family

Polypodium cambricum Southern Polypody Cliffs. Imbros

Pteridaceae Maidenhair Fern Family

Adiantum capillus-veneris Maidenhair Fern Damp cliffs

Anogramma leptophylla Jersey Fern Damp shaded rocks
Cheilanthes acrostica Scented Cheilanthes Rock crevices

Woodsiaceae Lady-fern Family

Athyrium felix-feminaLady-fernShaded cliff. Imbros gorgeCystopteris fragilisBrittle Bladder-fernMountain rocks. Uncommon

PINOPSIDA CONIFERS

Araucariaceae Monkeypuzzle Family

Araucaria heterophylla‡ Norfolk Island Pine Cultivated. Coastal

Cupressaceae Juniper Family

Cupressus sempervirens forma. horizontalis Cypress Common. Sea level to treeline

Cupressus sempervirens forma. Italian Cypress Cultivated

Juniperus oxycedrus subsp. oxycedrusPrickly JuniperOccasional. MountainsJuniperus phoeniceaPhoenician JuniperOccasional. Maquis

Pinaceae Pine Family

Pinus halepensis subsp. brutia Calabrian Pine Frequent native tree

Scientific name Common name Notes

Pinus pinea‡ Umbrella or Stone Pine Cultivated near coasts

GNETOPSIDA GNETOPHYTES

Ephedraceae Joint Pine Family

Ephedra foeminea A Joint Pine Cliffs. Imbros Gorge

MAGNOLIOPSIDA FLOWERING PLANTS

MAGNOLIIDAE DICOTYLEDONS

Acanthaceae Acanthus Family

Acanthus spinosus Spiny Bear's-breech Occasional

Aceraceae Maple Family

Acer sempervirens Cretan Maple Common. Mountains

Aizoaceae Dew Plant Family

Carpobrotus edulis‡ Yellow Hottentot Fig Coastal alien

Carpobrotus edulis var. rubescens‡ Coastal alien

Anacardiaceae Sumach Family

Pistacia lentiscus Mastic Tree Common in maquis

Pistacia terebinthus Turpentine Tree Occasional in maquis and gorges

Schinus molle‡ Californian Pepper Tree Cultivated

Apiaceae Carrot Family

Bupleurum semicompositum Grey Hare's Ear Rocky places near sea level

Bunium ferulaceum

Conium maculatum

Abandoned fields

Hemlock

Hedges and roadsides

Crithmum maritimum Rock Samphire Maritime rocks

Daucus carota Wild Carrot Frequent

Daucus guttatus A Wild Carrot Coastal sand. Plakias

Eryngium campestreField EryngoCommonEryngium creticumCretan EryngoFrequentEryngium maritimumSea HollySand dunesFerula communisGiant FennelCommonFoeniculum vulgare subsp. piperatumFennelCommon

Lagoecia cuminoides Fluffy Thimbleweed Rocky phrygana

Lecokia cretica Damp roadsides

Oenanthe pimpinelloides Corky-fruited Water Dropwort Moist woodland and fields

Orlaya daucoides Frequent

Pseudorlaya pumila Dune Carrot Sand dunes. Plakias

Scaligeria napiformis Scaligeria Occasional

Scandix australis Southern Shepherd's-needle Occasional. Rocky places

Scandix pecten-venerisShepherd's-needleCommonSmyrnium olusatrumAlexandersCommonSmyrnium perfoliatum subsp. perfoliatumPerfoliate AlexandersLocally common

Smyrnium perfoliatum subsp. rotundifolium Perfoliate Alexanders Locally common
Thapsia garganica Rocky places. Fields

Tordylium apulumMediterranean HartwortCommonTorilis leptophyllaA Bur-parsleyFrequentTorilis nodosaKnotted Bur-parsleyCommon

Scientific name Common name Notes

Apocynaceae Periwinkle Family

Nerium oleander Oleander Riverbeds. Planted on roadsides

Plumeria rubra‡FrangipaniCultivatedVinca major‡Greater PeriwinkleGarden escape

Araliaceae Ivy Family

Hedera helix Ivy Common

Aristolochiaceae Birthwort Family

Aristolochia cretica•Cretan BirthwortLocally commonAristolochia sempervirensEvergreen BirthwortAgia Lake

Asteraceae Daisy Family

Achillea creticaCretan SneezewortCliffs. KatholikouAchillea ligusticaSouthern YarrowFrequent

Anthemis arvensis Corn Chamomile Frequent. Fallow fields

Anthemis chiaGreek ChamomileCommonAnthemis rigidaRayless ChamomileCommonArctotheca calendula‡Cape MarigoldAkrotiri

Artemisia arborescensShrubby WormwoodRoadsides near SoudaAtractylis cancellataCage ThistleFrequent in phryganaBellis annuaAnnual DaisyFrequent in phrygana

Bellis perennisDaisyCommonBellis sylvestrisSouthern DaisyCommon

Bellium minutum Plakias headland

Calendula arvensis Field Marigold Common

Carduus argentatus Locally common below cliffs
Carduus pycnocephalus Plymouth Thistle Rocky places. Waste ground

Carlina corymbosa subsp. curetum• A Flat-topped Carline Thistle Rocky places
Carlina corymbosa subsp. graeca A Flat-topped Carline Thistle Rocky places

Carlina gummifera Pine Thistle Phrygana and fallow fields

Rocky places

Carthamnus dentatus

Carthamus lanatus subsp. baeticusWoolly SafflowerRocky placesCentaurea argenteaA KnapweedImbros GorgeCentaurea calcitrapaRed Star ThistleOccasional

 Centaurea calcitrapa
 Red Star Thistle
 Occasional

 Centaurea idaea●
 Rock crevices in phrygana

Centaurea poculatoris• Cliffs. Imbros Gorge
Centaurea raphanina subsp. raphanina• Common

Centaurea rapnanina subsp. rapnanina• Common
Centaurea solstitialis St. Barnaby's Thistle Occasional

Centaurea spinosa Spiny Knapweed North coast beaches

Centaurea spruneri subsp. minoa• Fallow fields

Chondrilla juncea Rush Skeletonweed Sandy beaches
Cichorium intybus Chicory Roadsides
Cichorium spinosum Spiny Chicory Common

Conyza bonariensis‡ Argentine Fleabane Frequent on roadsides

Crepis vesicariaOlive groves and stony placesCrupina crupinastrumCrupinaRocky places and roadsides

Cynara cornigeraWild ArtichokeRocky placesCynara scolymus‡Globe ArtichokeCultivatedDittrichia graveolensAromatic InulaCommonDittrichia viscosaStink AsterCommonEchinops spinossisimusA Globe ThistleCommon

Eupatorium adenophorum‡ A shrubby Hemp-agrimony Roadsides below Lakki

Scientific name Common name **Notes** Evax pygmaea Evax Frequent **Broad-leaved Cudweed** Common Filago pyramidata Galactities tomentosa Galactites Common Geropogon hybridus Hybrid Goat's-beard Plakias headland Glebionis coronaria var. coronaria Common Crown Daisy Glebionis coronaria var. discolor Crown Daisy Common Corn Marigold Frequent Glebionis segetum Hedypnois Phrygana and fallow fields Hedypnois cretica Helichrysum conglobatum An Everlasting Rocky places A Curry Plant Rocky places in mountains Helichrysum microphyllum Helichrysum orientale Cliffs. Katholikou Helminthotheca echioides **Bristly Oxtongue** Olive groves and fallow fields Hypochaeris achyrophorus Mediterranean Cat's-ear Rocky places Hypochaeris glabra Smooth Cat's-ear Rocky places Hypochaeris radicata Common Cat's-ear Rocky places Lactuca serriola Prickly Lettuce Waste areas Leontodon tuberosus **Tuberous Hawkbit** Phrygana Matricaria recutita Scented Mayweed Roadsides near sea level Common. Roadsides and waste Notobasis syriaca Syrian Thistle areas Onopordum bracteatum subsp. creticum• Coastal sand and rocky places Onopordum tauricum Roadsides and rocky places Otanthus maritimus Cottonweed Sand dunes Pallenis spinosa **Pallenis** Common Phagnalon graecum A Phagnalon Rocks, cliffs and walls Picnomon acarna Yellow-spine Thistle Stony ground and roadsides Ptilostemon chamaepeuce Shrubby Ptilostemon Cliffs and rocky banks Rhagadiolus stellatus Star Hawkbit Common Reichardia picroides Rocky places and coastal sand Scolymus hispanicus Spanish Oyster Plant Waste areas Scorzonera cretica• Cretan Viper's-grass Cliffs Senecio rupestris Rock Groundsel Kotsifou Gorge Senecio vulgaris Groundsel Common Silybum marianum Common. Waste areas Milk Thistle Sonchus asper Prickly Sow-thistle Waste areas Sonchus bulbosus subsp. microcephalus Widespread Sonchus oleraceus Smooth Sow-thistle Waste areas Staehelina fruticosa Cliffs Staehelina petiolata• Cliffs Tolpis barbata **Tolpis** Occasional in phrygana Tragopogon sinuatus A Goat's-beard Common Disturbed ground Tyrimnus leucographus **Tyrimnus** Urospermum picroides Prickly Goldenfleece Disturbed ground Xanthium spinosum‡ Spiny Cocklebur Weedy places Xeranthemum inapertum Xeranthemum Stony phrygana **Barberry Family** Berberidaceae Berberis cretica Cretan Barberry Mountains **Bignoniaceae Jacaranda Family**

Jacaranda ovalifolia‡

Boraginaceae

Cultivated

Jacaranda

Borage Family

Scientific name Common name Notes

Alkanna sieberi An Alkanet Occasional. Weedy places and phrygana

Alkanna tinctoria Dyer's Alkanet Dry rocky places
Anchusa hybrida Wavy-leaved Anchusa Roadsides

Anchusa aegyptiaca Eastern Alkanet Dry places near sea level

Anchusa italica

Anchusa variegata

Anchusa variegata

Borago officinalis

Cerinthe major

A Honeywort

A Honeywort

A Honeywort

Consequence of the state of the

Cynoglossum columnae A Hound's-tongue Occasional
Cynoglossum creticum Blue Hound's-tongue Common

Echium angustifolium Narrow-leaved Bugloss Common near coast

Echium italicum subsp. biebersteiniiPale BuglossCommonEchium plantagineumPurple Viper's BuglossCommonMyosotis incrassataA Forget-me-notRocky places

Onosma graecum A Golden Drops Armeni Minoan Cemetery

Symphytum creticum Cretan Comfrey Shady cliffs

Brassicaceae Cabbage Family

Coronopus didymus

Aethionema saxatile subsp. creticum Burnt Candytuft Dry rocky places

Alyssum simplex Dry rocky places

Arabidopsis thaliana Thale Cress Common Spring Rockcress Arabis verna Frequent Aubrieta deltoidea Aubrieta **Omalos** Biscutella didyma **Buckler Mustard** Common Brassica cretica Cretan cabbage Imbros Gorge Brassica nigra ‡ **Black Mustard** Roadsides Sea Rocket Plakias beach Cakile maritima Capsella bursa-pastoris Shepherd's-purse Common Cardamine hirsuta Hairy Bittercress Common Cheiranthus cheiri‡ Wallflower Garden escape

Erophila vernaCommon Whitlow GrassCommonEruca sativaGarden RocketOlive groves and fallow fields

Lesser Swine-cress

Garden weed

Erysimum candicum• A Treacle Mustard Imbros Gorge
Erysimum raulinii• A Treacle Mustard Imbros Gorge

Hirschfeldia incana Hoary Mustard Fallow fields and roadsides

Lepidium drabaHoary CressArmeniLunaria annua subsp. pachyrhizaHonestyOccasional

Malcolmia chia A Malcomia Phrygana near sea level

Malcolmia flexuosa subsp. naxensis A Malcomia Rocks and walls near sea level

Matthiola sinuata Sea Stock Kourtaliotiko Gorge

Matthiola tricuspidata Three-horned Stock Coasts

Nasturtium officinaleWatercressWet ditches and streamsRicotia cretica●RicotiaGorges and screes

Sinapis alba White Mustard Roadsides
Sisymbrium officinale Hedge Mustard Weedy places

Cactaceae Cactus Family

Opuntia cylindrica‡ Cultivated and naturalised. Plakias

Opuntia ficus-barbarica‡ Prickly Pear Cultivated and naturalised

Campanulaceae Bellflower Family

Campanula cretica• Imbros Gorge

Scientific name Common name Notes

Campanula erinus Annual Bellflower Frequent

Campanula saxatilis subsp. saxatilis• Walls of Katholikou Campanula tubulosa• Plakias headland

Capparaceae Caper Family

Capparis spinosa Caper Frequent on cliffs

Caprifoliaceae Honeysuckle Family

Lonicera etruscaEtruscan HoneysuckleOccasionalSambucus ebulusDwarf ElderOccasional

Sambucus nigra‡ Elder Naturalised around villages

Caryophyllaceae Pink Family

Agrostemma githago Corn-cockle Arable weed. Gious Kambos

Cerastium glomeratum Sticky Mouse-ear Omalos

Cerastium scaposum• Cretan Mouse-ear Locally common

Dianthus fruticosus subsp. creticus• Cliffs. Katholikou

Paronychia macrosepala A Paronychia Frequent
Petrorhagia dianthoides• Imbros Gorge

rromagia diantholdes• Imbros Gorge

Petrorhagia velutina Kohlrauschia Frequent. Rocky places

Sagina apetalaAnnual PearlwortCommonSilene colorataMediterranean CatchflyCommonSilene creticaCretan CatchflyFrequent

Silene dichotoma Forked Catchfly Gious Kambos and Melambes

Silene gallica Small-flowered Catchfly Common

Silene gigantea Cliffs. Kotsifou gorge
Silene integripetala subsp. greuteri• Rocky places in gorges

Silene sieberi•Rocky placesSilene vulgarisBladder CampionFrequentSpergula arvensisCorn SpurreyFallow fields

Spergularia bocconei
A Sea Spurrey
Maritime sand
Stellaria cupaniana
A Chickweed
Weedy places

Stellaria media Common Chickweed Common. Weedy places

Chenopodiaceae Goosefoot Family

Beta vulgaris subsp. maritimaSea BeetMaritime sandChenopodium albumFat HenWaste areasChenopodium muraleNettle-leaved GoosefootWaste areasSalsola kaliPrickly SaltwortPlakias beach

Suaeda vera Shrubby Sea-blite Coastal rocks

Cistaceae Rock-rose Family

Cistus creticus Pink Cistus Common

 Cistus monspeliensis
 Narrow-leaved Cistus
 Frequent in maquis

 Cistus parviflorus
 Small-flowered Cistus
 Frequent in maquis

 Cistus salvifolius
 Sage-leaved Cistus
 Locally common

Fumana arabicaArabian FumanaCommon. Rocky placesFumana thymifoliaThyme-leaved FumanaCommon. Rocky placesTuberaria guttataSpotted Rock-roseOpen rocky phrygana

Convolvulaceae Bindweed Family

Convolvulus althaeoides Mallow-leaved Bindweed Common

Convolvulus arvensis Field Bindweed Frequent. Waste places

Cliffs

Scientific name Common name **Notes**

Convolvulus elegantissimus **Elegant Bindweed** Frequent in phrygana A Bindweed Convolvulus oleifolius Dry rocky places Convolvulus siculus Small Blue Bindweed Rocky places Cuscuta epithymum Common Dodder Frequent parasite Cultivated Ipomea indica‡ A Morning Glory

Crassulaceae Stonecrop Family

Rosularia serrata Sedum acre Rocks and walls Biting Stonecrop White Stonecrop Rocky places Sedum album

Sedum amplexicaule subsp. tenuifolium Rocks and screes Sedum creticum• Cliffs

Sedum laconicum Rocky mountain slopes

Sedum litoreum Coastal Stonecrop Rocky places Sedun praesidis• Rocky phrygana Sedum rubens Red Stonecrop Rocky places Sedum sediforme Mediterranean Stonecrop Rocky places Umbilicus horizontalis A Pennywort Shaded cliffs

Cucurbitaceae **Cucumber Family**

Bryonia cretica White Bryony Rocky places. Walls Ecballium elaterium **Squirting Cucumber** Waste places

Cytinacae **Cytinus Family**

Parasite on Cistus creticus Cytinus hypocistis subsp. clusii Cytinus Cytinus hypocistis subsp. hypocistis Cytinus Parasite on Cistus salvifolius

Dipsacaceae Teasel Family

Knautia integrifolia A Scabious Occasional in phrygana

Lomelosiabrachiata Tremastelma Rocky places

Ericaceae Heather Family

Arbutus andrachne Eastern Strawberry Tree Local in maquis Arbutus unedo Strawberry Tree Common in maquis Tree Heather Common in maquis Erica arborea Erica manipuliflora Widespread on cliffs

Euphorbiaceae Spurge Family

Euphorbia acanthothamnos Greek Spiny Spurge Common Bare ground Euphorbia chamaesyce Small Spurge Euphorbia characias subsp. characias Large Mediterranean Spurge Widespread Euphorbia dendroides Tree Spurge Maritime cliffs Euphorbia exigua Bare ground **Dwarf Spurge** Euphorbia helioscopia Sun Spurge Widespread Euphorbia paralias Sea Spurge Maritime sand Euphorbia peplis Sandy beaches Purple Spurge Euphorbia peplus Petty Spurge Bare ground

Euphorbia sultan-hassei. A Tree Spurge Cliffs. Imbros Gorge

Mercurialis annua Common **Annual Mercury**

Ricinus communis‡ Castor Oil Plant Frequent naturalised weed

Fabaceae Pea Family

Bean Trefoil Scrub and waste areas Anagyris foetida

Scientific name Common name **Notes**

Maguis, phrygana and cliffs near the sea Anthyllis hermanniae Hermann's Kidney vetch

Anthyllis tetraphylla Bladder Vetch Common A Kidney Vetch Anthyllis vulneraria subsp. rubriflora Common

Astragalus angustifolius A Milk-vetch Common above Omalos

Bituminaria bituminosa Pitch Trefoil Common Calicotome villosa Hairy Thorny Broom Common Ceratonia siliqua Carob Common

Cercis siliquastrum‡ Judus Tree Frequently cultivated

Coronilla scorpioides Annual Scorpion Vetch Common

Lathyrus aphaca

Medicago arabica

Securigera securidaca

Shrubby Sainfoin Ebenus cretica• Cliffs and hillsides **Coral Tree** Cultivated. Hania Erythrina crus-galli‡ Genista acanthoclada Spiny Broom Common A Horseshoe Vetch Hippocrepis biflora Rocky places Disc Trefoil Widespread Hymenocarpus circinnatus Lathyrus annuus Annual Vetchling Widespread

Yellow Vetchling Lathyrus cicera Flat-podded Vetchling Olive groves and stony hillsides

Widespread

Crimson Pea Frequent Lathyrus clymenum Winged Vetchling Armeni Lathyrus ochrus Lathyrus setifolius Red Vetchling Frequent Lathyrus sphaericus Round Pea Frequent Lotus conimbricensis A Bird's-foot Trefoil Fallow fields Lotus corniculatus Bird's-foot Trefoil Damp places

Lotus cytisoides A Bird's-foot Trefoil Sands and rocks near the sea

Lotus edulis **Edible Lotus** Widespread Lotus ornithopodioides Clustered Bird's-foot Trefoil Widespread Lupinus albus‡ White Lupin Occasional Lupinus angustifolius Narrow-leaved Lupin Stony ground Lupinus micranthus Fallow fields A Hairy Lupin

Locally common. Sometimes Lupinus pilosus A Hairy Lupin

cultivated Spotted Medick Occasional

Medicago arborea Tree Medick Planted and naturalised Medicago disciformis A Medick Stony ground near the sea

Medicago lupulina **Black Medick** Common Medicago marina Sea Medick Sand dunes Medicago murex A Bur Medick Rocky places

Medicago orbicularis Disc Medick Rocky or sandy places

Medicago polymorpha **Toothed Medick** Widespread Medicago sativa‡ Lucerne Occasional Melilotus indicus Small Melilot Widespread Ononis reclinata Small Restharrow Widespread Ononis spinosa subsp. diacantha Spiny Restharrow Rocky places Ornithopus compressus Compressed Bird's-foot Rocky places

Robinia pseudoacacia‡ False Acacia Cultivated and naturalised Scorpiurus muricatus Scorpion Vetch Rocky and sandy places

Securigera cretica Weedy places Securigera globosa• Cliffs. Imbros Gorge

Widespread

Spartium junceum Spanish Broom Roadsides and maquis

Asparagus Pea Tetragonolobus purpureus Widespread Trifolium angustifolium Narrow-leaved Clover Widespread Trifolium arvense Hare's-foot Clover Weedy places

Notes

Common

Scientific name Common name

Trifolium campestre Hop Trefoil Rocky and sandy places Trifolium fragiferum Strawberry Clover Bare ground Trifolium repens White Clover Widespread Trifolium stellatum Starry Clover Common Trifolium tomentosum Woolly Trefoil Fields and rocky places

Trifolium uniflorum One-flowered Clover Widespread Trigonella graeca Disturbed ground A Trigonella Vicia bithynica Bithynian Vetch Widespread Vicia cretica Cretan Vetch Rocky places Vicia hybrida Hairy Yellow Vetchling Common Vicia lathyroides Spring Vetch Phrygana

Yellow Vetch Vicia sativa subsp. sativa‡ Common Vetch Escape from cultivation

Vicia villosa A Fodder Vetch Common Wisteria sinensis‡ Wisteria Culivated

Fagaceae Beech Family

Vicia lutea

Cultivated and occasionally Castanea sativa‡ Sweet Chestnut

naturalised Quercus coccifera subsp. calliprinos Kermes Oak Common Quercus ilex Holm Oak Occasional

Quercus ithaburensis subsp. macrolepis Valonia Oak Common around Armeni Quercus pubescens Common around Armeni Downy Oak

Frankeniaceae **Sea Heath Family**

Frankenia hirsuta Maritime rocks and sand Hairy Sea Heath

Fumariaceae Fumitory Family Fumaria capreolata White Ramping Fumitory Frequent

Fumaria officinalis Common Fumitory Weedy places and fields

Gentianaceae **Gentian Family**

Blackstonia perfoliata subsp. intermedia Yellow-wort Damp places Centaurium erythraea Common Centaury Rocky places Centaurium maritimum Coastal Sea Centaury

Geraniaceae **Geranium Family**

Disturbed areas and coastal sands Erodium cicutarium Common Stork's-bill Erodium malacoides Mallow-leaved Stork's-bill Olive groves and rocky places Erodium moschatum Musk Stork's-bill Olive groves and rocky places

Geranium columbinum Long-stalked Crane's-bill Rocky places Geranium dissectum Cut-leaved Crane's-bill Damp ground Geranium lucidum Shining Crane's-bill Shady places

Geranium molle Dove's-foot Crane's-bill Olive groves and rocky places Geranium purpureum Little Robin Olive groves and rocky places

Geranium robertianum Herb Robert Shady places Geranium rotundifolium Round-leaved Crane's-bill

Olive groves and rocky places

Hypericaceae St. John's-wort Family Hypericum empetrifolium subsp. Crowberry-leaved St John's-

Maquis empetrifolium wort

Perfoliate St John's-wort Hypericum perfoliatum Rocky places Hypericum perforatum Perforate St John's-wort Rocky places Hypericum triquetrifolium Waste places

Scientific name Common name **Notes Walnut Family** Juglandaceae Juglans regia‡ Walnut Cultivated Lamiaceae **Dead-nettle Family** Ballota acetabulosa Garden Horehound River beds near sea level Ballota nigra Black Horehound Waste places Ballota pseudodictamnus False Dittany Rocky phrygana Clinopodium alpinum subsp. alpinum Alpine Basil Thyme Rocky places in mountains Clinopodium creticum• Gorge bed. Imbros Gorge Wild Basil Clinopodium vulgare Maquis and phrygana Coridothymus capitatus Shrubby Thyme Common Lamium amplexicaule Henbit Dead-nettle Common Lavandula stoechas French Lavender Local in maquis Marrubium vulgare White Horehound Waste places Melittis melissophyllum subsp. albida Bastard Balm Gorge bed. Imbros Mentha aquatica Water Mint Wet places Mentha longifolia Horse Mint Wet places Mentha pulegium Pennyroyal Damp places Mentha spicata Spear Mint Damp places Micromeria juliana Micromeria Rocky places Micromeria nervosa Rocky places Nepeta scordotis Occasional Cretan Dittany Origanum dictamnus• Shaded cliffs Origanum microphyllum Omalos plateau Origanum onites White Marjoram Occasional Origanum vulgare subsp. hirtum Marjoram Frequent in maquis Phlomis cretica Locally common Phlomis fruticosa Jerusalem Sage Common Phlomis lanata. **Phaestos** Prasium majus Prasium Common Cut-leaved Self-heal Occasional. Fallow fields Prunella lacinata Prunella vulgaris Self-heal Occasional. Damp places Salvia fruticosa Three-leaved Sage Common Salvia verbenaca Wild Clary Common Satureja thymbra Satureia Maquis and phrygana Scutellaria sieberi• A Skullcap Cliffs and rocky banks Sideritis curvidens Rocky places Sideritis syriaca subsp. syriaca. Mountain Tea Mountains Mediterranean Woundwort Stachys creticasubsp. cretica Common Teucrium alpestre• A Germander Cliffs and rocks Teucrium capitatum Rocky places Teucrium divaricatum Rocky places Linaceae Flax Family Linum arboreum Tree Flax Cliffs in gorges Linum bienne Biennial Flax Frequent Lythraceae **Loosestrife Family** Lythrum hyssopifolia Grass-poly Wet ditches Wet ditches Lythrum junceum Creeping Loosestrife

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Mallow Family

Wild Hollyhock

Occasional

Malvaceae

Alcea biennis

Scientific name Common name **Notes** Althaea hirsuta Hairy Mallow Frequent Hibiscus rosa-sinensis‡ Hibiscus Planted Lavatera arborea Tree Mallow Coast. Hania Lavatera bryonifolia Bryony-leaved Mallow Common Lavatera cretica Cretan Hollyhock Waste areas Malva cretica Cretan Mallow Rocky places Malva sylvestris Common Mallow Common Meliaceae **Mahogany Family** Melia azedarach‡ Persian Lilac Cultivated Mimosaceae **Acacia Family** Blue-leaved Wattle Cultivated Acacia cyanophylla‡ Acacia pycnantha‡ Golden Wattle Cultivated Acacia retinoides‡ Swamp Wattle Cultivated Moraceae **Mulberry Family** Ficus carica Frequent Fig Ficus elastica‡ Rubber Plant Cultivated Morus alba‡ White Mulberry Cultivated Myoporaceae **Myoporum Family** Cultivated Myoporum laetum‡ Ngaio Myrtaceae **Myrtle Family** Callistemon viminalis‡ Bottlebrush Cultivated Eucalyptus camaldulensis‡ River Red Gum Cultivated Myrtus communis Common Myrtle Occasional along watercourses Nyctaginaceae **Bougainvillea Family** Cultivated Bougainvillea glabra‡ Bougainvillea **Olive Family** Oleaceae Olea europaea subsp. oleaster Olive Occasional as a wild tree Mock Privet Phillyrea latifolia Occasional in maquis Willowherb Family Onagraceae Epilobium hirsutum Greater Willowherb Wet ditches **Orobanchaceae Broomrape Family** Orobanche crenata Bean Broomrape Turkish Bridge Orobanche pubescens Downy Broomrape Parasitic on Umbellifers Orobanche ramosa **Branched Broomrape** Common on Oxalis pes-caprae

Papaver hybridum Rough Poppy Uncommon

Oxalidaceae

Paeoniaceae

Papaveraceae

Glaucium flavum

Oxalis pes-caprae‡

Paeonia clusii subsp. clusii•

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Yellow Horned Poppy

Wood-sorrel Family

Common weed

Omalos

Coast

Bermuda Buttercup

Peony Family

Clusius' Peony

Poppy Family

Scientific name Common name Notes

Papaver rhoeas Common Poppy Common

Pittosporaceae Pittosporum Family

Pittosporum tobira‡ A Pittosporum Cultivated

Plantaginaceae Plantain Family

Plantago afraBranched PlantainCommonPlantago bellardiaHairy PlantainCommon

Plantago cretica A Plantain Rocky places near coast

Plantago lagopus Hare's-tail Plantain Frequent

Plantago lanceolata Ribwort Plantain Olive groves. Damp places

Plantago majorGreater PlantainDamp placesPlantago weldeniiWidespread

Platanaceae Plane Family

Platanus orientalis Oriental Plane River valleys

Plumbaginaceae Thrift Family

Limoniastrum monopetalum‡LimoniastrumCultivated. HaniaLimonium graecumA Sea-lavenderCliffs. Plakias

Polygalaceae Milk-wort Family

Polygala monspeliacaMediterranean MilkwortOccasionalPolygala venulosaEastern Milk-wortFrequent

Polygonaceae Dock Family

Emex spinosa Emex Occasional. Bare ground

Persicaria salicifolia Willow-leaved Bistort Agia lake

Polygonum aviculareKnotgrassDisturbed groundPolygonum equisetiformeHorsetail KnotgrassOlive groves. Roadsides

Polygonum maritimumSea KnotgrassCoastal sandsRumex bucephalophorusBull's-head DockCommonRumex conglomeratusClustered DockWet placesRumex crispusCurled DockOccasionalRumex pulcherFiddle DockDamp places

Rumex tuberosus subsp. creticus Rocky places

Portulacaceae Purslane Family

Portulaca oleracea Purslane Disturbed ground

Primulaceae Primrose Family

Anagallis arvensis var. arvensisScarlet PimpernelCommonAnagallis arvensis subsp. foeminaBlue PimpernelCommonAnagallis foeminaA PimpernelCommonAsterolinon linum-stellatumAsterolinonFrequent

Asterolinon linum-stellatumAsterolinonFrequentCyclemen creticum•Cretan SowbreadLocally commonCyclamen graecumsubsp. candicum•Greek SowbreadWidespread

Samolus valerandi Brookweed Wet rocks. Georgiopoulis

Punicaceae Pomegranate Family

Punica granatum‡ Pomegranate Cultivated

Scientific name Common name Notes

Ranunculaceae Buttercup Family

Adonis microcarpa subsp. cretica•Yellow Pheasant's-eyeAkrotiri peninsulaAdonis microcarpa subsp. microcarpaYellow Pheasant's-eyeRed-flowered

Anemone coronaria Crown Anomone Gious Kambos. Omalos

Anemone hortensis subsp. heldreichii Heldreich's Anemone Widespread

Clematis cirrhosa Virgins Bower Occasional. Maquis and roadsides

Delphinium staphisagriaLice BaneImbros GorgeFicaria verna subsp. chrysocephalaA Lesser CelandineCommon

Nigella damascena Love-in-a-Mist Plakias headland

Ranunculus arvensis Corn Buttercup Fields

Ranunculus asiaticus Turban Buttercup Locally common
Ranunculus bulbosus subsp. aleae Bulbous Buttercup Moist shady places

Ranunculus bullatus Locally common. Autumn flowering

Ranunculus chius Widespread
Ranunculus creticus• Cretan Buttercup Shady cliffs

Ranunculus trichophyllus Thread-leaved Water-crowfoot Aquatic

Resedaceae Mignonette Family

Reseda alba White Mignonette Waste areas
Reseda luteola Weld Waste areas

Rhamnaceae Buckthorn Family

Rhamnus lycioides subsp. oleoides A Buckthorn Frequent in phrygana

Rosaceae Rose Family

Crataegus monogyna subsp. azarella A Hawthorn Common
Cydonia oblonga‡ Quince Cultivated
Eriobotrya japonica‡ Japanese Loquat Cultivated

Poterium creticum• Cretan Salad Burnet Cliffs. Imbros Gorge

Poterium sanguisorba subsp. verrucosa Salad Burnet Frequent Almond Prunus dulcis‡ Cultivated Peach Cultivated Prunus persica‡ Pyracantha coccinea‡ Firethorn Cultivated **Domestic Pear** Pyrus communis‡ Cultivated Pyrus spinosa Almond-leaved Pear Common Rosa canina Dog Rose Frequent Rosa sempervirens Evergreen Rose Frequent A Bramble Common Rubus sanctus Sarcopoterium spinosum Thorny Burnet Common

Rubiaceae Bedstraw Family

Asperula pubescens• Cliffs. Kotsifou Gorge

Asperula rigida• Mountain rocks
Galium aparine Cleavers Waste places

Galium fruticosum• Cliffs

Rubia peregrina Wild Madder Frequent in scrub

Sherardia arvensis Field Madder Common

Valentia hispidaDry rocky placesValentia muralisDry rocky places

Rutaceae Rue Family

Citrus limon‡LemonCultivatedCitrus sinensis‡OrangeCultivated

Scientific name Common name Notes

Ruta chalpensis subsp. chalepensis Fringed Rue Occasional

Salicaceae Willow Family

Populus albaWhite PoplarCommonSalix albaWhite WillowBy rivers

Santalaceae Bastard-toadflax Family

Osyris alba Osyris Locally common

Saxifragaceae Saxifrage Family

Saxifraga chrysosplenifolia A Saxifrage Locally common

Scrophulariaceae Figwort Family

Bellardia trixago Bellardia Frequent in meadows

Cymbalaria muralis Ivy-leaved Toadflax Walls

Linaria pelisseriana Jersey Toadflax Frequent in phrygana

Misopates orontiumWeasel's-snoutOccasionalParentucellia latifoliaSouthern Red BartsiaCommon

Parentucellia viscosa Yellow Bartsia Occasional. Damp places

Scrophularia auriculataWater FigwortWet ditchesScrophularia lucidaShining FigwortOccasional

Scrophularia peregrina Nettle-leaved Figwort Common. Imbros Gorge

Verbascum arcturus• Shrubby Mullein Common on cliffs

Verbascum macrurumA MulleinCommonVerbascum sinuatumWavy-leaved MullienCommonVerbascum spinosum•Spiny MulleinCommonVeronica arvensisWall SpeedwellWidespreadVeronica cymbalariaCymbalaria-leaved SpeedwellWidespread

Veronica persica‡ Common Field Speedwell Naturalised near the sea

Simaroubaceae Tree of Heaven Family

Ailanthus altissima‡ Tree of Heaven Naturalised

Solanaceae Nightshade Family

Hyoscyamus albusWhite HenbaneWeedy places and walls. HaniaLycium barbarum‡Duke of Argyll's Tea PlantNaturalised near the coast

Mandragora autumnalis Mandrake Frequent

Nicotiana glauca‡ Shrub Tobacco Naturalised along roadsides

Solanum nigrumBlack NightshadeWeedy placesSolanum villosumHairy NightshadeDamp places

Styracaceae Storax Family

Styrax officinalis Mediterranean Storax Frequent

Tamaricaceae Tamarisk Family

Tamarix parviflora Small-flowered Tamarisk Coastal

Tamarix smyrnensis‡ A Tamarisk Planted. Plakias beach

Thymelaeaceae Mezereon Family

Daphne gnidioidesA DaphnePlakias headlandDaphne sericeaA DaphneCommon in mountainsThymelaea hirsutaHairy ThymelaeaRocky places near the seaThymelaea tartonrariaA ThymelaeaRocky places near the sea

Scientific name Common name Notes

Ulmaceae Elm Family

Ulmus minor‡Small-leaved ElmOccasional. PlantedZelkova abelicea•A ZelkovaOmalos plateau

Urticaceae Nettle Family

Parietaria creticaCretan PellitoryRocks and wallsParietaria judaicaPellitory of the WallRocks and wallsUrtica membranaceaMembranous NettleWeedy placesUrtica piluliferaRoman NettleWeedy placesUrtica urensSmall NettleWeedy places

Valerianaceae Valerian Family

Centranthus calcitrapaAnnual ValerianRocky placesCentranthus ruber‡Red ValerianWalls

Fedia comucopiae Fedia Rocky places

Valeriana asarifolia• Cretan Valerian Cliffs and rocky places

Valerianella coronataA Corn SaladRocky placesValerianella echinataA Corn SaladRocky places

Verbenaceae Vervain Family

Lantana camara‡ Lantana Cultivated

Verbena officinalisVervainOccasional. Waste areasVitex agnus-castusChaste TreeGorge beds and damp places

Vitaceae Vine Family

Vitis vinifera subsp. sylvestrisWild VineOccasionalVitis vinifera subsp. viniferaGrapeCultivated

Zygophyllaceae Caltrop Family

Tribulus terrestris Maltese Cross Waste areas

LILIIDAE MONOCOTYLEDONS

Amaryllidaceae Daffodil Family

Allium ampeloprasum Wild Leek Occasional

Allium callimischon subsp. haemostictum

Cliffs. Imbros Gorge. Autumn flowering

Allium circinnatum subsp. circinnatum• Akrotiri peninsula

Allium neapolitanum Naples Garlic Occasional Allium nigrum Black Garlic Meadows Allium roseum Rosy Garlic Occasional Allium subhirsutum Hairy Garlic Occasional Narcissus tazetta Polyanthus Daffodil Gious Kambos Pancratium maritimum Sea Daffodil Sand dunes

Sternbergia sicula Slender Sternbergia Rock crevices. Autumn flowering

Araceae Arum Family

Arisarum vulgareFriar's CowlCommon. Damp placesArum concinnatumAn ArumCommon. Olive grovesArum creticumCretan ArumKotsifou Gorge

Arum creticumCretan ArumKotsifou GorgeArum idaeum•Cretan Mountain ArumOmalos plateauDracunculus vulgarisDragon ArumCommonZantedeschia aethiopica‡Arum LilyCultivated

Scientific name Common name Notes

Arecaceae Palm Family

Phoenix canariensis‡Canary PalmCultivatedPhoenix dactylifera‡Date PalmCultivatedPhoenix theophrastiCretan PalmSouth coastWashingtonia filifera‡Californian Fan PalmCultivated

Asparagaceae Asparagus Family

Agave americana‡ Century Plant Cultivated and naturalised

Asparagus aphyllus subsp. orientalisLeafless AsparagusCommonCharybdis maritimaSea SquillCommonMuscari comosumTassel HyacinthCommon

Muscari neglectum A Grape Hyacinth Mountain rocks. Omalos

Muscari spreitzenhoferi• A Tassel Hyacinth Frequent

Ornithogalum arabicum‡ Cultivated. Hania
Ornithogalum divergens Frequent

Ornithogalum creticum• Occasional. Limestone crevices

Ornithogalum narbonense Frequent
Ruscus aculeatus Butcher's Broom Shady areas

Cyperaceae Sedge Family

Carex otrubaeFalse Fox SedgeDitches and springsCladium mariscusGreat Fen SedgeMarshes and wet places

Cyperus capitatus A Galingale Coastal sands
Schoenoplectus lacustris Common Club-rush Agia Lake

Dioscoreaceae Yam Family

Tamus communis Black Bryony Shady places

Iridaceae Iris Family

Gladiolus italicus Field Gladiolus Frequent

Iris unguicularis subsp. cretensis∙ Cretan Iris Locally common

Iris albicans‡CultivatedIris germanica‡German IrisCultivatedIris pseudacorusYellow FlagAgia Lake

Iris tuberosa Widow Iris Gious Kambos and Omalos

Moraea monophylla One-leaved Barbary Nut Akrotiri peninsula

Moraea sisyrinchium Barbary Nut Common

Juncaceae Rush Family

Juncus acutusSharp RushMaritime sandsJuncus articulatusJointed RushWet placesJuncus bufoniusToad rushWet placesJuncus effususSoft RushWet places

Juncus heldreichianus Coastal marshes, Maritime sands

Liliaceae Lily Family

20

Fritillaria messanensis A Fritillary Gious Kambos

Gagea bohemica Mountains. North of Omalos

Gagea graecaGreek LloydiaCommonGagea peduncularisA Yellow Star of BethlehemOmalos plateauTulipa bakeri●Baker's TulipOmalos plateauTulipa cretica●Cretan TulipCliffs. PlakiasTulipa doerfleri●Doerfler's TulipGious Kambos

Scientific name Common name Notes

Tulipa saxatilis Rock Tulip Gious Kambos

Orchidaceae Orchid Family

Anacamptis boryi Bory's Orchid Spili hill

Anacamptis collina Fan-lipped Orchid Locally common

Anacamptis fragrans Fragrant Bug Orchid Spili hill

Anacamptis laxiflora Jersey Orchid Damp meadows
Anacamptis papillionacea var. heroica Pink Butterfly Orchid Occasional

Anacamptis papillionacea var. alibertis• Pink Butterfly Orchid Occasional

Anacamptis pyramidalis Pyramidal Orchid Locally common

Anacamptis pyramidalis Pyramidal Orchid Locally common

Himantoglossum robertianum Giant Orchid Locally common

Neotinea lacteaMilky OrchidSpili hillNeotinea maculataDense-flowered OrchidGious KambosNeotinea tridentataToothed OrchidSpili hill

 Ophrys ariadnae
 Ariadne's Ophrys
 Frequent

 Ophrys bombyliflora
 Bumblebee Ophrys
 Spili hill and Armeni

 Ophrys candica
 White Ophrys
 Plakias headland

 Ophrys candica
 White Ophrys
 Plakias headland

 Ophrys creberrima
 Creberrima Ophrys
 Spili hill

 Ophrys cretical
 Cretan Early Spider Ophrys
 Local

 Ophrys cretical
 Common Cretan Ophrys
 Occasional

 Ophrys creticals
 Creticals Ophrys
 Local

Ophrys creticola●Creticola OphrysLocalOphrys doerfleri●Doerfler's OphrysPlakiasOphrys episcopalisBishop's OphrysFrequentOphrys heldreichiiHeldreich's OphrysCommonOphrys heraeHera's OphrysLocal

Ophrys iricolorRainbow OphrysSpili hillOphrys leochromaLion Mane OphrysLocally frequentOphrys phryganaePhrygana OphrysFrequentOphrys siculaSmall Yellow OphrysCommonOphrys sitiacaSitia OphrysLocal

Ophrys siculaSmall Yellow OphrysCommonOphrys sitiacaSitia OphrysLocalOphrys spruneriSpruner's OphrysLocalOphrys villosaHairy OphrysFrequent

Orchis anthropophora Man Orchid Spili hill and Armeni

Orchis italica Naked Man Orchid Common

Orchis pauciflora Sparse-flowered Orchid Locally common

Orchis quadripunctataFour-spotted OrchidCommonOrchis sitiaca•Sitia OrchidSpili hillSerapias bergoniiBergon's SerapiasCommon

Serapias cordigera subsp. cretica•Cretan Heart-flowered SerapiasAgia TriadaSerapias linguaTongue OrchidCommon

Serapias orientalis subsp. orientalisEastern SerapiasLocalSerapias parvifloraSmall-flowered SerapiasOccasional

Poaceae Grass Family

Aegiops biuncialis Frequent

Arundo donax‡ Giant Reed Naturalised and common

Ammophila arenaria Marram Sand dunes

Andropogon distactyos Rocky places. Roadsides

Anthoxanthum odoratum Sweet Vernal Grass Damp places. Fields

Avena barbata Slender Oat Disturbed ground
Brachypodium retusum Mediterranean False-brome Widespread

Briza maximaLarge Quaking-grassDisturbed groundBriza minorLesser Quaking-grassMoist ground

Scientific name Common name Notes

Catapodium marinumSea Fern-grassMaritimeCatapodium rigidumFern-grassBare stony groundCynodon dactylonBermuda GrassDisturbed groundCynosurus echinatusRough Dog's-tailRocky places. Fields

Digitaria sanguinalis Hairy Finger-grass Roadsides

Hordeum leporinum Wall Barley Roadsides. Waste places

Hyparrhenia hirta Widespread

Lagurus ovatusHare's-tail GrassCommonLolium perennePerennial Rye-grassWidespread

Lolium temulentum Darnel Fields and waste places

Melica ciliata Hairy Melick Imbros Gorge

Phragmites australisCommon ReedMarshes and riverbanksPiptantherum miliaceumOlive groves. Waste areas

Poa annua Annual Meadow-grass Waste places

Rostraria cristata Widespread
Sesleria doerfleri• Kotsifou Gorge

Stipa capensis Mediterranean Needle-grass Rocky places and fields

Vulpia ciliata Bearded Fescue Bare stony ground and fields

Posidoniacae Neptune Grass Family

Posidonia oceanica Neptune Grass Marine

Smilacaceae Smilax Family

Smilax aspera Common Smilax Maquis and scrub

Typhaceae Reedmace Family

Typha domingensis Southern Reedmace Agia Lake

Xanthorrhoeaceae Asphodel Family

Asphodeline lutea Yellow Asphodel Common Asphodelus aestivus Common Asphodel Common

Asphodelus fistulosus Hollow-stemmed Asphodel Ditches and roadsides

Zosteraceae Eelgrass Family

Zostera marina Eelgrass Marine

Birds (✓= recorded but not counted; H = heard only)

						Ap	ril			
	Common name	Scientific name	1	2	3	4	5	6	7	8
1	Mute Swan	Cygnus olor						1		
2	Northern Shoveler	Anus clypeata						3		
3	Garganey	Anas querquedula						2		
4	Chukar	Alectoris chukar		Н	2			Н		
5	Little Grebe	Tachybaptus ruficollis					4	6		
6	Great Cormorant	Phalacrocorax carbo				1		2		
7	Squacco Heron	Ardeola ralloides					1			
8	Little Egret	Egretta garzetta					1	6		1
9	Grey Heron	Ardea cinerea						1		
10	Purple Heron	Ardea purpurea						1		
11	Eurasian Griffon Vulture	Gyps fulvus	4	8	10	15	6	2	3	
12	Booted Eagle	Aquila pennata	1			1		3		
13	Bonelli's Eagle	Aquila fasciata		2	2					

						Ap	oril			
	Common name	Scientific name	1	2	3	4	5	6	7	8
14	Western Marsh Harrier	Circus aeruginosus			1	2		1	1	
15	Common Buzzard	Buteo buteo	2	5	✓	✓		3	3	
16	Common Kestrel	Falco tinnunculus		2	3	3	2		2	
17	Peregrine Falcon	Falco peregrinus	1				1			
18	Lanner Falcon	Falco biarmicus	1	1						
19	Little Crake	Porzana parva						4		
20	Common Moorhen	Gallinula chloropus					2	4		
21	Eurasian Coot	Fulica atra	6				40	40		
22	Oystercatcher	Haematopus ostralegus	2							
23	Little Ringed Plover	Charadrius dubius		1						
24	Little Stint	Calidris minuta						1		
25	Wood Sandpiper	Tringa glareola						4		
26	Common Sandpiper	Actitis hypoleucos					1			
27	Yellow-legged Gull	Larus michahellis	✓	✓	✓	✓	· ✓	✓	√	П
28	Rock Dove / Feral Pigeon	Columba livia 'feral'	✓							
29	Common Wood Pigeon	Columba palumbus		✓						
30	Eurasian Collared Dove	Streptopelia decaocto	✓	· ·	✓	✓	✓	✓	✓	√
31	Common Cuckoo	Cuculus canorus	,			<u> </u>	•	Н	_	
32	Common Swift						6	40	20	
33	Pallid Swift	Apus apus					2	40	1	
		Apus pallidus	✓		✓					
34	Alpine Swift	Tachymarptis melba	V	50		4	50	5	20	
35	Eurasian Hoopoe	Upupa epops			2	1				
36	Eurasian Wryneck	Jynx torquilla					Н	Н		
37	Common Skylark	Alauda arvensis			H					
38	Crested Lark	Galerida cristata	1	2	2	30		_		
39	Woodlark	Lullula arborea		√	Н	1		3	5	
40	Eurasian Crag Martin	Ptyonoprogne rupestris		✓	✓	20	15			
41	Barn Swallow	Hirundo rustica	✓	✓	✓	✓	✓	✓	✓	
42	Red-rumped Swallow	Hirundo daurica					1	✓		
43	Common House Martin	Delichon urbicum		6			1	✓		
44	Tawny Pipit	Anthus campestris						✓		
45	White Wagtail	Motacilla alba	1				2		1	
46	Black-headed Yellow Wagtail	Motacilla flava feldegg				12		1		
47	Common Nightingale	Luscinia megarhynchos		Н					Н	
48	Northern Wheatear	Oenanthe oenanthe		1	1	4		60		
49	Black-eared Wheatear	Oenanthe hispanica		1		1				
50	Whinchat	Saxicola rubetra				2			3	
51	Common Stonechat	Saxicola torquata	1	6	✓	✓	✓	✓	✓	
52	Common Blackbird	Turdus merula		✓	✓	✓	✓	✓	✓	
53	Blue Rock Thrush	Monticola solitarius		6	2	2		1	Н	
54	Blackcap	Sylvia atricapilla		Н	Н	Н	Н	2	Н	
55	Sardinian Warbler	Sylvia melanocephala	Н		✓	✓	✓	✓	✓	
56	Sedge Warbler	Acrocephalus schoenobaenus					Н	5		
57	Cetti's Warbler	Cettia cetti	Н	Н	Н	Н	Н	Н		
58	European Reed Warbler	Acrocephalus scirpaceus						2		
59	Winter Wren	Troglodytes troglodytes		Н		10		3		
60	Great Tit	Parus major	Н	6	✓	✓ ×	✓	✓	√	
61	European Blue Tit	Cyanistes caeruleus	3	6	· ✓	· ✓	✓ ·	√	✓	
62	Woodchat Shrike	Lanius senator			· ·	1	1		1	
63	Western Jackdaw	Coloeus monedula	✓	✓	✓		_ I		'	
64	Red -billed Chough	Pyrrhocorax pyrrhocorax		10	6	✓	→			

			April									
	Common name	Scientific name	1	2	3	4	5	6	7	8		
65	Hooded Crow	Corvus cornix	✓	✓	✓	✓	✓	✓	✓	✓		
66	Common Raven	Corvus corax	✓	✓	✓	✓	✓	✓	✓			
67	House Sparrow	Passer domesticus			1							
68	Italian Sparrow	Passer italiae	✓	✓	✓	✓	✓	✓	✓	✓		
69	Common Chaffinch	Fringilla coelebs	✓	✓	✓	✓	✓	✓	✓			
70	Common Linnet	Carduelis cannabina						30				
71	European Goldfinch	Carduelis cardulis	✓	✓	✓	✓	✓	✓	✓			
72	European Greenfinch	Chloris chloris				Н		2	2			
73	Corn Bunting	Emberiza calandra		4	4	✓			2			

Mammals (D = Dead)

1	Cretan White-toothed Shrew	Crocidura zimmermanni				D	D	
2	Beech Marten	Martes foina bunites	D			D		
3	Least Weasel	Mustela nivalis galinthias		1				
4	Cretan Badger	Meles meles arkalus	D		D			
5	Cretan Wild Goat or Kri Kri	Capra aegagrus creticus					✓	

Reptiles

1	Balkan Terrapin	Mauremys rivulata			✓	✓		
2	Balkan Green Lizard	Lacerta trilineata	✓	✓				
3	Cretan Wall Lizard	Podarcis cretensis					✓	

Butterflies

1	Eastern Festoon	Zerynthia cerisyi		✓	✓	✓	✓	✓		
2	Cretan Festoon	Zerynthia cretica				✓	✓			
3	Swallowtail	Papilio machaon			✓	✓				
4	Large White	Pieris brassicae		✓	✓				✓	
5	Eastern Bath White	Pontia edusa		✓			✓			
6	Clouded Yellow	Colias crocea		✓	✓	✓			✓	
7	Cleopatra	Gonepteryx cleopatra		✓						
8	Brimstone	Conepteryx rhamni		✓						
9	Small Copper	Lycaena phlaeas		✓						
10	Little Blue	Cupido minimus			✓					
11	Common Blue	Polyommatus icarus				✓				
12	Brown Argus	Arica agrestis			✓					
13	Red Admiral	Vanessa atalanta	✓	✓		✓				
14	Painted Lady	Vanessa cardui		✓		✓	✓		✓	
15	Comma Butterfly	Polygonia c-album		✓						
16	Speckled Wood	Pararge aegeria	✓	✓	✓		✓	✓	✓	
17	Wall Brown	Lasiommata megera		✓	✓					

Moths

		1	Pine Processionary Moth	Thaumetopoea pitvocampa		✓			✓			
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Other Insects

1	Egyptian Grasshopper	Anacridium aegyptium	✓	✓				
2	Migratory Locust	Locusta miratoria		✓				
3	Nosed Grasshopper	Acrida ungarica	✓	✓	✓	✓		
4	Violet Carpenter Bee	Xylocopa violacea	✓	✓		✓		

			April								
	Common name	Scientific name	1	2	3	4	5	6	7	8	
5	Cicada	Tibicen plebejus		✓							

Molluscs

1	Cretan Door Snail	Albinaria inflata		✓		

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