# Crete

# Naturetrek Tour Report

# 4 - 11 April 2017



Anemone coronaria



Ferula communis



Imbros Gorge



Tulipa saxatilis

Report and images by David Tattersfield



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Tour Report Crete

Tour participants: David Tattersfield & Duncan McNiven (leaders) with 14 Naturetrek clients

### Day 1

## **Tuesday 4th April**

The flight from Gatwick was late in arriving and we left Heraklion airport at 3.25pm. It was a warm afternoon, with hazy sunshine. Once we had left the urban sprawl of Heraklion, we stopped for a leg stretch and a brief introduction to the flora. Strawberry Tree *Arbutus unedo* was common, with scattered shrubs of the taller Eastern Strawberry Tree *Arbutus andrachne*, with its distinctive pale, smooth bark and Pieris-like flowers. Pink Cretan Cistus *Cistus creticus*, the Mastic Tree *Pistacia lentiscus*, Crowberry-leaved St John's-wort *Hypericum empetrifolium*, the pungent Savory *Satureja thymbra* and the ubiquitous weed, Bermuda Buttercup *Oxalis pes-caprae* were common and we found the large silver-patterned leaves of the endemic *Cyclamen graecum* subsp. *candicum*. The roadsides were lined with the attractive purple thistle *Galactites tomentosa* and a profusion of both colour forms of the Crown Daisy *Glebionis coronaria*. Giant Fennel *Ferula communis* adorned the hillsides, along with the Jerusalem Sage *Phlomis fruticosa* and Hairy Thorny Broom *Calicotome villosa*.

We stopped for a coffee break and it wasn't long before our first orchids were spotted. These included Creberrima Orchid Ophrys creberrima, Cretan Early Spider-orchid Ophrys cretensis, Heldreich's Orchid Ophrys heldreichii and the distinctive Fan-lipped Orchid Anacamptis collina. By the cafe there were some fine plants of the lavender-flowered Eastern Milkwort Polygala venulosa. Further on, we entered the dramatic Kourtaliotiko Gorge, with its limestone cliffs towering above us. Half a dozen Griffon Vultures soared round the crags with Jackdaws, Red-billed Chough and Alpine Swift. We also saw a pair of Raven, a Blue Rock Thrush and were lucky enough to spot a Bonelli's Eagle. On the walls of the gorge, interesting plants included Shrubby Mullein Verbascum arcturus, the tassel hyacinth Muscari spreitzenhoferi and the attractive crucifer Ricotia cretica, all endemic to the island. On the edge of the gorge, below us, was Cyclamen creticum, also endemic, and the pink flowers of Rock Tulip Tulipa saxatilis. We were at our hotel, overlooking Plakias Bay, by 6.30pm and went out for our evening meal in a sea-front taverna.

### Day 2

## Wednesday 5th April

We stopped first, this morning, by some amazing roadside displays of Giant Fennel Ferula communis and pink Cistus creticus. In the Koutaliotiko Gorge we saw the Bonelli's Eagle again and a couple of Red-rumped Swallows, before we headed off to Spili for coffee, overlooking its famous fountains. Travelling south, roadside orchids included many fine specimens of Giant Orchid Himantoglossum robertianum, superb patches of Lion Mane Orchid Ophrys leochroma, Common Cretan Bee Orchid Ophrys cretica, Milky Orchid Neotinea lactea and Pink Butterfly Orchid Anacamptis papilionacea var. heroica. We passed the unattractive poly-tunnels that surround Timbaki and arrived at Phaestos, around lunchtime. After a visit to this interesting archaeological site, we ate our lunch overlooking the fertile Mesara Plain, with Mount Ida in the background. Along the road, at Agia Triada, we found Pyramidal Orchid Anacamptis pyramidalis and the Cretan Heart-flowered Tongue Orchid Serapias cordigera subsp. cretica in a stony meadow, the lavender-flowered Catmint Nepeta melissifolia and showy white Turban Buttercups Ranunculus asiaticus.

Beyond Timbaki, we visited the small coastal lagoon at Kokkinos, which provided us with an astonishing birding experience. There were Black-winged Stilt, numbers of Little Stint, Wood Sandpiper and Green Sandpiper, five Marsh Sandpiper and 20 Ruff. In addition, there were around 40 Blue-headed Yellow Wagtail and 50 Black-

headed Yellow Wagtail, busy feeding around the water's edge. Overhead there was a flock of 20 Little Egret and we watched about 300 Garganey and 50 Glossy Ibis fly in from the sea. We stayed watching the spectacle in front of us as long as we could, before we had to leave and drive back to Plakias.

### Day 3

## **Thursday 6th April**

We left around 9.00am, making our first stop at the Turkish Bridge. Storax *Styrax officinalis* was covered in its lovely, white, pendant flowers and nearby were fine plants of yellow Honeywort *Cerinthe major* and Branched Broomrape *Orobanche ramosa*, parasitising Bermuda Buttercup. We stopped at the war memorial, where there were large plants of Yellow Asphodel *Asphodeline lutea* and Jerusalem Sage *Phlomis fruticosa* and then at the Moni Preveli Monastery. Some of us made a visit to Monastery and the museum, while the keen birders walked a little way back along the road, seeing Corn Buntings, a Black-eared Wheatear and a number of Stonechats. Back inland, a short stop at the gorge revealed 50 or so Griffon Vultures and we had brief views of a passing Lammergeier.

We had lunch in the hills above Spili, and spent the afternoon exploring the rich diversity of orchids and other flowers on the surrounding hills. The season was late and there were fine shows of Cretan Iris Iris unguicularis subsp. cretica and a red form of Crown Anemone Anemone coronaria. Milky Orchid Neotinea lactea and Bumblebee Orchid Ophrys bombyliflora were plentiful. On the main part of the site, orchids included the showy Naked Man Orchid Orchis italica, primrose-yellow Sparse-flowered Orchid Orchis pauciflora, the smaller Bory's Orchid Anacamptis boryi and the Four-spotted Orchid Orchis quadripunctata. Further up the hill there was the sweetly-scented Daphne sericea and colourful patches of pink Rock Tulip. We returned to Plakias well-satisfied with such a wonderful and varied day.

## Day 4 Friday 7th April

Driving west, we followed a road diversion to Rodakino through magnificent scenery and sleepy villages. We saw the occasional Corn Bunting on the wires, Crested Larks and Northern Wheatear, in the fields and Alpine Swifts, overhead. At Frangocastello, we paused to see the castle, finding Cretan Wall Lizard and Ocellated Skink, on the walls and the interesting Cage Thistle *Atractylis cancellata*. We continued to the top of the Imbros Gorge, where we enjoyed the promised traditional pancakes with cheese and honey to sustain us on our eight-kilometre walk.

As we descended the gorge, every turn opened up a new vista and revealed new plants growing on the cliffs and screes. The attractive *Anchusa variegata* grew on boulders at the start of the walk. Yellow Tree Flax *Linum arboreum*, and the leathery-leaved, shrubby thistle *Staehelina petiolata* grew on the cliffs and the abundant white *Saxifraga chrysospleniifolia* and delicate *Cyclamen creticum* grew on the floor of the gorge. In the lower part of the gorge, we found the rare endemic shrubby spurge *Euphorbia sultan-hassei* and lots of yellow *Asphodeline lutea*. After almost four hours, we all enjoyed drinks and chips in the Taverna Komitades, while the second minibus was retrieved from the top of the gorge. We were late back in Plakias, where we arrived around 7.15pm., but we all agreed it had been another great day out.

### Day 5

## Saturday 8th April

We updated our checklists after breakfast and loaded our vehicles, ready for our move to Hania. Before leaving Plakias, we had a look at the sand dunes, at the end of the bay, and walked along the cliff path, as far as the

tunnels, that had been built to defend the bay in the Second World War. Of particular note were Candia Orchid Ophrys candica, the Cretan Dutchman's Pipe, Aristolochia cretica and flying in the vicinity, Cretan Festoon, for which the Aristolochia is its caterpillar food plant. We made a short walk in the rather windy Kotsifou Gorge, where flowers included Cretan Arum Arum creticum, Cretan Comfrey Symphytum creticum and lots of Ricotia cretica. Of particular geological interest here were the numerous large fossil Nummulites, in the limestone screes, dating back over 35 million years.

We continued north and stopped at the late-Minoan cemetery near Armeni, where many tombs have been excavated out of the bedrock. A brief foray was made while the picnic was being prepared, after which we explored the site in depth. A canopy of Valonia Oak *Quercus ithaburensis* subsp. *macrolepis* provides light shade for a rich flora, with many fine specimens of Tongue Orchids, *Serapias lingua* and *bergonii*, Bee Orchids *Ophrys leochroma*, *heldreichii* and *bombyliflora*, and Man Orchid *Orchis anthropophora*.

At Georgioupolis, on the north coast, we stopped for ice-creams, before visiting the lake, where a large natural spring comes to the surface and fills the dam. As well as Balkan Terrapin, there were only a few waders here today. We were at our hotel in Hania by 6.30pm and went out for an evening meal near the harbour.

Day 6 Sunday 9th April

Today there was a Fun Run, in Hania and the main roads were closed. We had an interesting time negotiating the back streets of the town. Agia Lake is Crete's largest wetland, where a strong natural spring has been dammed. In the reeds were Sedge Warbler and the Lake's speciality, Little Crake, along with a single Water Rail. Coot, Moorhen, Tufted Duck and Little Grebe were on the open water and a couple of female Marsh Harriers patrolled the far shore.

We continued to our main destination of the day, the Omalos plateau, high in the White Mountains. After a stop to photograph the view, at Lakki, we followed the new road and stopped for coffee in Omalos. We had lunch out on the plateau, by colourful carpets of Crown Anemones and the showy *Tulipa bakeri*. Woodlark were singing from the trees and there were lots of Northern Wheatear and Stonechats. After looking down into the depths of the Samaria Gorge, from the viewpoint, we did a short walk up the hillside and then made a circuit of the plateau. We were back in Hania around 7.00pm., after a second visit to Agia Lake, and went for dinner, just around the corner.

## Day 7 Monday 10th April

We drove down to Hania and spent a couple of hours exploring the harbour, markets and other attractions of the older parts of the Venetian City. We then went out to the Akrotiri peninsula, via the Allied War Cemetery, at the head of Souda Bay. We visited the Agia Triada Monastery and its grounds, before our last picnic among the ancient olive trees. Here, again, there were plenty of migrants. Woodlark and Crested Lark, Blue-headed and Black-headed Yellow Wagtails and Linnets flew around us but the star birds, on the stony headland were singles of Woodchat Shrike, Pied and Collared Flycatcher. Several Nightingales sang from the bushes. There were many evil-smelling spathes of the Dragon Arum *Dracunculus vulgaris* and by our feet were lots of colourful flowers, including Yellow Pheasant's-eye *Adonis microcarpa* subsp. *cretica* and Sickle-fruited Hypecoum *Hypecoum procumbens*. The birds held us captivated until mid-afternoon, when we continued to the Gouverneto Monastery.

Beyond, on the stony hillsides we found two tiny endemic onions, *Allium rubrovittatum* and *Allium circinnatum* subsp. *circinnatum*, the latter with grey, hairy leaves, coiled like watch-springs. We walked down to the Cave of St. John, seeing the small iris-like flowers of the One-leaved Barbary Nut *Moraea mediterranea*, growing out of the paved path. Three of the more adventurous members of the party joined me on the steep path, which continued down to the ruins of the Katholikou Monastery, where a bridge spans a narrow gorge. Here on the cliffs and walls were a number of interesting plants, including the endemic Cretan Sneezewort *Achillea cretica*, Shrubby Verbascum *Verbascum arcturus* and Dittany *Origanum dictamnus*. After the steep climb back to the minibuses, we rounded off a wonderful week in Crete, by driving out to Stavros, at the end of the peninsula for ice-creams. We were back at the hotel for 6.30pm and after running through our checklists, went out for our final evening meal together.

### Day 8

## **Tuesday 11th April**

After breakfast, the two hour drive east along the coast road was uneventful and we had sufficient time for a visit to the famous archaeological site at Knossos. We were back at the airport in good time for check-in and our flight back to Gatwick. We all returned with happy memories of a wonderful week

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# **Species Lists**

Plants ( $\bullet$  = endemic or near endemic to Crete;  $\ddagger$  = cultivated or naturalised)

Latin name	Common name	Notes
PTERIDOPHYTES	FERNS AND FERN ALLIES	
Aspleniaceae Asplenium ceterach	Spleenwort Family Rustyback	Rock crevices. Common
Asplenium onopteris Asplenium trichomanes subsp. quadrivalens	Acute-leaved Spleenwort Maidenhair Spleenwort	Shaded banks. Uncommon Rock crevices. Uncommon
Dennstaedtiaceae	Bracken Family	Lacellacerone
Pteridium aquilinum	Bracken	Locally common
Dryopteridaceae	Buckler-fern Family	
Dryopteris pallida	Pale Buckler-fern	Shaded cliffs. Imbros Gorge
Equisetaceae	Horsetail Family	
Equisetum ramosissimum	Branched Horsetail	Hedges
Equisetum telmateia	Giant Horsetail	Wet areas. Agia
Polypodiaceae	Polypody Family	
Polypodium cambricum	Southern Polypody	Shaded cliffs. Imbros Gorge
Pteridaceae	Maidenhair Fern Family	
Adiantum capillus-veneris	Maidenhair Fern	Damp cliffs
Cheilanthes acrostica	Scented Cheilanthes	Rock crevices
Selaginellaceae	Lesser Clubmoss Family	
Selaginella denticulata	Mediterranean Clubmoss	Damp earth
Woodsiaceae	Lady-fern Family	
Athyrium felix-femina	Lady-fern	Shaded cliff. Imbros Gorge
GYMNOSPERMS	CONIFERS AND ALLIES	
Araucariaceae	Monkey-puzzle Family	
Araucaria heterophylla ‡	Norfolk Island Pine	Cultivated. Coastal
Cupressaceae	Juniper Family	
Cupressus sempervirens forma. horizontalis	Cypress	Common. Sea-level to treeline
Cupressus sempervirens subsp. sempervirens ‡	Italian Cypress	Cultivated
Juniperus oxycedrus subsp. macrocarpa	Sea Juniper	Coastal
Juniperus oxycedrus subsp. oxycedrus	Prickly Juniper	Frequent. Mountains
Juniperus phoenicea subsp. phoenicea	Phoenicean Juniper	Occasional. Lowland
Ephedraceae	Joint-pine Family	
Ephedra foeminea	A Joint-pine	Cliffs. Imbros Gorge
Pinaceae	Pine Family	
Pinus halepensis subsp. brutia	Calabrian Pine	Frequent native tree
Pinus pinea ‡	Stone Pine	Cultivated near coasts

Latin name Common name Notes

ANGIOSPERMS FLOWERING PLANTS

### **DICOTYLEDONS**

Acanthaceae Bear's-breech Family

Acanthus spinosus Spiny Bear's-breech Frequent

Adoxaceae Moschatel Family

Sambucus ebulus Dwarf Elder Occasional

Sambucus nigra ‡ Elder Naturalised around villages

Aizoaceae Dewplant Family

Carpobrotus edulis var.edulis ‡ Yellow Hottentot-fig Coastal alien

Amaranthaceae Goosefoot Family

Amaranthus retroflexus ‡ Pigweed Weedy places Beta vulgaris subsp. maritima Sea Beet Maritime sand Chenopodium album Fat-hen Waste areas Chenopodium murale Nettle-leaved Goosefoot Waste areas Salsola kali Prickly Saltwort Plakias beach Suaeda vera Shrubby Sea-blite Coastal rocks

Anacardiaceae Sumach Family

Pistacia lentiscus Mastic Tree Common in maquis

Pistacia terebinthus Turpentine Tree Frequent in maquis and gorges

Schinus molle ‡ Californian Pepper Tree Cultivated

Apiaceae Carrot Family

Crithmum maritimumRock SamphireMaritime rocksDaucus carotaWild CarrotFrequent

Daucus guttatus A Wild Carrot Coastal sand. Plakias

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

Lagoecia cuminoidesFluffy ThimbleweedRocky phryganaLecokia creticaLecokiaDamp roadsides

Oenanthe pimpinelloides Corky-fruited Water Dropwort Moist woodland and fields

Orlaya daucoides An Orlaya Frequent

Pseudorlaya pumila Dune Carrot Sand dunes. Plakias

Scandix pecten-venerisShepherd's-needleCommonSmyrnium olusatrumAlexandersCommon

Smyrnium perfoliatum subsp. perfoliatum Perfoliate Alexanders Locally common

Tordylium apulumMediterranean HartwortCommonTorilis leptophyllaA Bur-parsleyFrequentTorilis nodosaKnotted Bur-parsleyCommon

Apocynaceae Periwinkle Family

Nerium oleander Oleander Riverbeds. Planted on roadsides

Plumeria rubra ‡FrangipaniCultivatedVinca major ‡Greater PeriwinkleGarden escape

#### Latin name Common name Notes Araliaceae Ivy Family Hedera helix Common lvy **Aristolochiaceae Birthwort Family** Aristolochia cretica • Cretan Birthwort Locally common Aristolochia sempervirens Evergreen Birthwort Agia Lake **Asteraceae Daisy Family** Achillea cretica Cretan Sneezewort Katholikou gorge Southern Yarrow Achillea ligustica Frequent Aetheorhiza bulbosa Tuberous Hawk's-beard Widespread Anthemis arvensis Corn Chamomile Frequent. Fallow fields Greek Chamomile Common Anthemis chia Anthemis rigida Rayless Chamomile Common Artemisia arborescens Shrubby Wormwood Roadsides near Souda Atractylis cancellata Cage Thistle Frequent in phrygana Bellis annua **Annual Daisy** Frequent in phrygana Bellis perennis Daisy Common Bellis sylvestris Southern Daisy Common Plakias headland Bellium minutum 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 Carthamnus dentatus Rocky places Woolly Safflower Carthamus lanatus subsp. baeticus Rocky places Centaurea argentea subsp. macrothysana • A Knapweed Imbros Gorge Centaurea calcitrapa Red Star-thistle Occasional Centaurea idaea • Rock crevices in phrygana Cliffs. Imbros Gorge Centaurea poculatoris • Centaurea raphanina subsp. raphanina • Common on rocks Centaurea redempta • Imbros Gorge Centaurea solstitialis Yellow Star-thistle Occasional Centaurea spinosa Spiny Knapweed North coast beaches Centaurea spruneri subsp. minoa • Fallow fields Chondrilla juncea Rush Skeletonweed Sandy and waste places Cichorium intybus Chicory Roadsides Spiny Chicory Cichorium spinosum Common Cirsium vulgare Spear Thistle Weedy places Conyza bonariensis ‡ Argentine Fleabane Frequent on roadsides Crepis auriculifolia • A Hawk's-beard Cliffs and rocky places Crepis cretica • Cretan Hawk's-beard Rocky places Crepis rubra Pink Hawk's-beard Uncommon Crepis vesicaria Beaked Hawk's-beard Olive groves and stony places Crupina crupinastrum Crupina Rocky places and roadsides Cynara cornigera A Wild Artichoke Rocky places Cynara scolymus ‡ Globe Artichoke Cultivated Dittrichia graveolens Aromatic Inula Common Dittrichia viscosa Stink Aster Common Echinops spinossisimus Spiniest Globe Thistle Common

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A shrubby Hemp-agrimony

Eupatorium adenophorum ‡

Roadsides below Lakki

#### Latin name Common name **Notes** Evax pygmaea Evax Frequent **Broad-leaved Cudweed** Filago pyramidata Common Galactities tomentosa Galactites Common Geropogon glaber Slender Salsify Plakias headland Glebionis coronaria var. coronaria Crown Daisy Common Glebionis coronaria var. discolor Crown Daisy Common Glebionis segetum Corn Marigold Frequent Scaly Hawkbit Phrygana and fallow fields Hedypnois cretica Helichrysum stoechas subsp. barrelieri Golden Cassidony Rocky places Helichrysum microphyllum A Curry Plant Rocky places in mountains Eastern Everlastingflower Helichrysum orientale Cliffs. Katholikou Helminthotheca echioides **Bristly Oxtongue** Olive groves and fallow fields Hypochaeris achyrophorus Mediterranean Cat's-ear Rocky places Hypochaeris cretensis Southern Cat's-ear Widespread Hypochaeris glabra Smooth Cat's-ear Rocky places Hypochaeris radicata Common Cat's-ear Rocky places Inula candida subsp. candida • Katholikou Gorge Lactuca acanthifolia Acanthus-leaved Lettuce Katholikou Gorge. Aegean area endemic Lactuca serriola Prickly Lettuce Waste areas Lamyropsis cynaroides Rocky places 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 • Cretan Cotton Thistle Coastal sand and rocky places Onopordum tauricum Roadsides and rocky places Otanthus maritimus Cottonweed Sand dunes Pallenis spinosa Spiny Golden-star Common Phagnalon graecum Shrubby Cudweed Rocks, cliffs and walls Picnomon acarna Yellow-spine Thistle Stony ground and roadsides Ptilostemon chamaepeuce Shrubby Ptilostemon Cliffs and rocky banks Pulicaria odora A Fleabane Maquis and woodland Rhagadiolus stellatus Star Hawkbit Common Reichardia picroides A Reichardia Rocky places and coastal sand Scolymus hispanicus Spanish Oyster Plant Waste areas Scorzonera cretica • Cliffs Cretan Viper's-grass Senecio rupestris Rock Groundsel Kotsifou Gorge Senecio vulgaris Groundsel Common Silybum marianum Milk Thistle Common. Waste areas Sonchus asper Prickly Sow-thistle Waste areas Sonchus bulbosus subsp. microcephalus Tuberous Hawk's-beard Widespread Sonchus oleraceus Smooth Sow-thistle Waste areas Staehelina fruticosa Cliffs Staehelina petiolata • Cliffs Tanacetum parthenium ‡ Feverfew Occasional. Roadsides Tolpis barbata **Tolpis** Occasional in phrygana Tragopogon porrifolius Salsify Common Tyrimnus leucographus Disturbed ground **Tyrimnus** Urospermum picroides Prickly Goldenfleece Disturbed ground Xanthium spinosum ‡ Spiny Cocklebur Alien weed Xanthium strumarium ‡ Cocklebur Alien weed

8 © Naturetrek March 18

Stony phrygana

Xeranthemum

Xeranthemum inapertum

Latin name Common name Notes

Berberidaceae Barberry Family

Berberis cretica Cretan Barberry Mountains

Bignoniaceae Jacaranda Family

Jacaranda ovalifolia ‡ Jacaranda Cultivated

Boraginaceae Borage Family

Anchusa hybrida Wavy-leaved Anchusa Roadsides

Anchusa aegyptiaca Eastern Alkanet Dry places near sea-level

Anchusa italicaLarge Blue AlkanetRoadsidesAnchusa variegataVariegated AnchusaImbros GorgeBorago officinalisBorageWeedy placesCerinthe majorHoneywortTurkish Bridge

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

Echium angustifolium Narrow-leaved Bugloss Common near coast

Echium arenariumSand BuglossSand dunesEchium italicum subsp. biebersteiniiPale BuglossCommonEchium plantagineumPurple Viper's BuglossCommonLithospermum incrassatumA GromwellMountain rocks

Lithospermum incrassatumA GromwellMountain rocksMyosotis incrassataA Forget-me-notRocky placesOnosma erectumA Golden-dropsMountain rocks

Onosma graecum A Golden-drops Armeni Minoan Cemetery

Symphytum creticum Cretan Comfrey Shady cliffs

Brassicaceae Cabbage Family

Aethionema saxatile subsp. creticumBurnt CandytuftDry rocky placesAlyssum simplexAn AlisonDry rocky places

Arabis alpina

Arabis vernaSpring Rock-cressFrequentAubrieta deltoideaAubretiaOmalosBiscutella didymaBuckler MustardCommon

Brassica cretica subsp. creticaCretan CabbageImbros GorgeBrassica nigra ‡Black MustardRoadsidesCakile maritimaSea RocketPlakias beach

Cakile maritimaSea RocketPlakias beachCapsella bursa-pastorisShepherd's-purseCommonCardamine hirsutaHairy Bitter-cressCommonCheiranthus cheiri ‡WallflowerGarden escape

Coronopus didymus

Lesser Swine-cress

Garden escape

Lesser Swine-cress

Garden weed

Common Whitlow-grass

Common

Eruca sativa Garden Rocket Olive groves and fallow fields

Erucaria hispanicaSpanish MustardFallow fieldsErysimum candicum subsp. candicum •A Treacle MustardImbros GorgeErysimum raulinii •A Treacle MustardImbros 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 tricuspidata Three-horned Stock Coasts

Nasturtium officinaleWater-cressWet ditches and streamsRicotia cretica •RicotiaGorges and screes

Latin name Common name Notes White Mustard Roadsides Sinapis alba Sisymbrium officinale Hedge Mustard Weedy places Cactaceae **Cactus Family** Opuntia ficus-indica ‡ Prickly Pear Cultivated and naturalised Campanulaceae **Bellflower Family** Annual Bellflower Frequent Campanula erinus Walls of Katholikou Campanula saxatilis subsp. saxatilis • Plakias headland Campanula tubulosa • Venus's-looking-glass Legousia hybrida Legousia pentagonia Eastern Venus's-looking-glass Rocky places Rocky places Legousia speculum-veneris Large Venus's-looking-glass Petromarula pinnata• Petromarula Common Cannabaceae **Hackberry and Hemp Family** Celtis tournefortii Oriental Hackberry Imbros Gorge Capparaceae **Caper Family** Caper Frequent on cliffs Capparis spinosa Caprifoliaceae Honeysuckle Family Annual Valerian Centranthus calcitrapa Rocky places Red Valerian Centranthus ruber ‡ Walls Fedia cornucopiae Fedia Rocky places Knautia integrifolia A Scabious Occasional in phrygana Lomelosiabrachiata Tremastelma Rocky places Lonicera etrusca Etruscan Honeysuckle Occasional Valeriana asarifolia • Cretan Valerian Cliffs and rocky places Valerianella coronata A Corn Salad Rocky places Valerianella echinata A Corn Salad Rocky places Caryophyllaceae **Pink Family** Occasional Cerastium comatum Levantine Mouse-ear Sticky Mouse-ear **Omalos** Cerastium glomeratum Cerastium scaposum • Cretan Mouse-ear Locally common Dianthus fruticosus subsp. creticus • A Shrubby Pink Cliffs. Katholikou Moenchia graeca An Upright Chickweed Frequent Paronychia macrosepala A Paronychia Frequent A Tunic Flower Petrorhagia dianthoides • Imbros Gorge Petrorhagia velutina Kohlrauschia Frequent. Rocky places Sagina apetala **Annual Pearlwort** Common Silene behen Coastal sand. Rocky places Hairless Catchfly Silene bellidifolia Daisy-leaved Catchfly Waste areas Silene colorata Mediterranean Catchfly Common Silene cretica Cretan Catchfly Frequent Gious Kambos and Melambes Silene dichotoma Forked Catchfly Silene gallica Small-flowered Catchfly Common Silene gigantea Cliffs. Kotsifou Gorge Silene integripetala subsp. greuteri • Rocky places in gorges Silene sedoides Hairy Catchfly Coastal sand Silene sieberi • Rocky places

10 © Naturetrek March 18

Frequent

**Bladder Campion** 

Silene vulgaris

#### Latin name Common name **Notes** Fallow fields Spergula arvensis Corn Spurrey Stellaria media Common Chickweed Common. Weedy places **Rock-rose Family** Cistaceae Cistus creticus Pink Cistus Common Cistus monspeliensis Narrow-leaved Cistus Frequent in maquis Cistus parviflorus Small-flowered Cistus Local in maquis Cistus salvifolius Sage-leaved Cistus Locally common Fumana arabica Arabian Fumana Common. Rocky places Fumana thymifolia Thyme-leaved Fumana Common. Rocky places Convolvulaceae **Bindweed Family** Convolvulus althaeoides Mallow-leaved Bindweed Common Convolvulus arvensis Field Bindweed Frequent. Waste places Convolvulus elegantissimus Elegant Bindweed Frequent in phrygana Convolvulus oleifolius Olive-leaved Bindweed Dry rocky places Cuscuta epithymum Common Dodder Frequent parasite Ipomea indica ‡ A Morning Glory Cultivated Crassulaceae Stonecrop Family Rosularia serrata Cliffs Sedum acre Rocks and walls Biting Stonecrop Sedum album White Stonecrop Rocky places Sedum amplexicaule subsp. tenuifolium Rocky places Sedum creticum var. monocarpicum • Cliffs Sedum litoreum Coastal Stonecrop Rocky places near the sea Sedum praesidis • Rocky phrygana Sedum rubens Red Stonecrop Rocky places Sedum sediforme Mediterranean Stonecrop Rocky places Umbilicus horizontalis A Pennywort Shaded cliffs Umbilicus parviflorus Yellow Pennywort Georgioupolis Cucurbitaceae **Cucumber Family** Frequent Bryonia cretica White Bryony Ecballium elaterium Squirting Cucumber Waste places **Ericaceae Heather Family** Arbutus andrachne Eastern Strawberry Tree Local in maquis Arbutus unedo Strawberry Tree Common in maquis Tree Heather Erica arborea Common in maquis Erica manipuliflora Autumn Heather Locally common. Autumn-flowering **Euphorbiaceae** Spurge Family Euphorbia acanthothamnos Greek Spiny Spurge Common Euphorbia chamaesyce Small Spurge Bare ground Euphorbia characias subsp. characias Large Mediterranean Spurge Widespread Euphorbia dendroides Tree Spurge Maritime cliffs Euphorbia exigua **Dwarf Spurge** Bare ground Euphorbia helioscopia Widespread Sun Spurge Euphorbia paralias Sea Spurge Maritime sand Euphorbia peplus Petty Spurge Bare ground Euphorbia sultan-hassei • A Tree Spurge Cliffs. Imbros Gorge Mercurialis annua Common

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Annual Mercury

#### Latin name Common name Notes Ricinus communis ‡ Castor-oil-plant Frequent naturalised weed **Fabaceae Pea Family** Acacia cyanophylla ‡ Blue-leaved Wattle Cultivated Acacia pycnantha ‡ Golden Wattle Cultivated Acacia retinoides ‡ Swamp Wattle Cultivated Anagyris foetida Bean Trefoil Scrub and waste areas Anthyllis hermanniae Herman's Kidney Vetch Occasional Anthyllis tetraphylla Bladder Vetch Common Anthyllis vulneraria subsp. rubriflora A Kidney Vetch 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 Chamaecytisus creticus Cretan Dwarf Broom Coronilla scorpioides Annual Scorpion Vetch Common Ebenus cretica • Shrubby Sainfoin Cliffs and hillsides Erythrina crus-galli ‡ Coral Tree Cultivated. Hania Spiny Broom Common Genista acanthoclada Hedysarum spinosissimum Spiny Sainfoin Stony and sandy places near the sea Hippocrepis biflora A Horseshoe Vetch Rocky places Hymenocarpus circinnatus Disc Trefoil Widespread Lathyrus annuus Annual Vetchling Widespread Lathyrus aphaca Yellow Vetchling Widespread Lathyrus cicera Flat-podded Vetchling Olive groves and stony hillsides Crimson Pea Lathyrus clymenum Frequent Lathyrus ochrus Winged Vetchling Armeni 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 Grey Bird's-foot Trefoil Sands and rocks near the sea Lotus edulis Edible Lotus Widespread Lotus ornithopodioides Clustered Bird's-foot Trefoil Widespread Lotus pedunculatus Greater Bird's-foot Trefoil Damp places Lotus peregrinus A Bird's-foot Trefoil Occasional near the sea Lupinus albus ‡ Occasional White Lupin Lupinus angustifolius Narrow-leaved Lupin Stony ground Fallow fields Lupinus micranthus A Hairy Lupin Locally common. Sometimes Lupinus pilosus A Hairy Lupin cultivated Medicago arabica Spotted Medick Occasional Medicago arborea Tree Medick Cultivated and naturalised Medicago disciformis Disc 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

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**Toothed Medick** 

Lucerne

A Medick

Small Melilot

Widespread

Occasional

Widespread

Rocky and sandy places

Medicago polymorpha

Medicago sativa ‡

Melilotus indicus

Medicago truncatula

#### Latin name Common name Notes Onobrychis aequidentata A Sainfoin Rocky places Cock's-comb Sainfoin Onobrychis caput-galli Rocky places near the sea 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 Cretan Crown Vetch Weedy places Securigera globosa • A Crown Vetch Cliffs. Imbros Gorge Securigera securidaca Hatchet Vetch Widespread Roadsides and maquis Spartium junceum Spanish Broom Tetragonolobus purpureus Asparagus Pea Widespread Narrow-leaved Clover Trifolium angustifolium Widespread Trifolium arvense Hare's-foot Clover Weedy places Trifolium campestre Hop Trefoil Rocky and sandy places Strawberry Clover Trifolium fragiferum Bare ground Trifolium repens White Clover Widespread Trifolium resupinatum Reversed Clover Coastal sands Trifolium stellatum Starry Clover Common Trifolium tomentosum Fields and rocky places Woolly Trefoil Trifolium uniflorum One-flowered Clover Widespread Trigonella balansae A Fenugreek Mostly coastal in north Trigonella graeca A Trigonella Disturbed ground Vicia bithynica Bithynian Vetch Widespread Vicia cretica Cretan Vetch Rocky places Vicia hybrida Hairy Yellow Vetchling Common Vicia lathyroides Spring Vetch Phrygana Vicia lutea Yellow Vetch Common Vicia pubescens A Vetch Occasional Vicia sativa subsp. sativa ‡ Common Vetch Escape from cultivation Vicia tenuifolia Fine-leaved Vetch Common Vicia villosa A Fodder Vetch Common Wisteria sinensis ‡ Wisteria Cultivated **Fagaceae Beech Family** Cultivated and occasionally Castanea sativa ‡ Sweet Chestnut naturalised Quercus coccifera subsp. calliprinos Kermes Oak Common Quercus ilex Holm Oak Frequent Quercus ithaburensis subsp. macrolepis Valonia Oak Common around Armeni Quercus pubescens Downy Oak Common around Armeni Frankeniaceae Sea-heath Family Frankenia hirsuta Hairy Sea-heath Maritime rocks and sand **Fumariaceae Fumitory Family** Fumaria capreolata White Ramping Fumitory Frequent Fumaria officinalis Weedy places and fields Common Fumitory

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Rocky places

**Gentian Family** 

Common Centaury

Gentianaceae

Centaurium erythraea

### Latin name Common name Notes

Geraniaceae Crane's-bill Family Erodium cicutarium Common Stork's-bill Disturbed areas and coastal sands Erodium gruinum Phrygana and riverbeds Long-beaked 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 Dove's-foot Crane's-bill Geranium molle Olive groves and rocky places

Geranium purpureum

Little Robin

Geranium robertianum

Dove s-root Crane s-oill

Olive groves and rocky places

Olive groves and rocky places

Shady places

Geranium rotundifolium Round-leaved Crane's-bill Olive groves and rocky places

Crowberry-leaved St John's-

Maquis

Hypericaceae St John's-wort Family

Hypericum empetrifolium subsp. empetrifolium

empetrifolium wort

Hypericum perfoliatum Perfoliate St John's-wort Rocky places

Hypericum triquetrifolium Wavy-leaved st John's-wort Common

Juglandaceae Walnut Family

Juglans regia ‡ Walnut Cultivated

LamiaceaeDead-nettle FamilyBallota acetabulosaGarden HorehoundRiverbeds near sea-level

Ballota nigraBlack HorehoundWaste placesBallota pseudodictamnusFalse DittanyRocky phrygana

Clinopodium alpinum subsp. alpinum Alpine Basil Thyme Rocky places in mountains

Clinopodium creticum • Cretan Calamint Imbros Gorge

Clinopodium nepeta Lesser Calamint
Clinopodium vulgare Wild Basil Maquis and phrygana

Lamium amplexicauleHenbit Dead-nettleCommonLavandula stoechasFrench LavenderLocal in maquisMarrubium vulgareWhite HorehoundWaste places

Melittis melissophyllum subsp. albida Bastard Balm Gorge bed. Imbros

Mentha aquaticaWater MintWet placesMentha longifoliaHorse MintWet placesMentha pulegiumPennyroyalDamp placesMentha spicataSpear MintDamp placesMicromeria julianaMicromeriaRocky places

Micromeria nervosa

Nepeta melissifolia

A Cat-mint

Rocky places

Rocky places

Rare. Agia Triada

Origanum dictamnus • Cretan Dittany Cliffs

Origanum microphyllum •Omalos plateauOriganum onitesWhite MarjoramOccasional

Origanum vulgare subsp. hirtum Marjoram Frequent in maquis
Phlomis cretica Cretan Jerusalem Sage Locally common

Phlomis cretica Cretan Jerusalem Sage Locally common
Phlomis fruticosa Jerusalem Sage Common
Prasium majus Prasium Common

Prunella vulgaris Self-heal Occasional. Damp places
Salvia fruticosa Greek Sage Common

Salvia verbenaca Wild Clary Common

Salvia viridis Red-topped Sage Occasional. Akrotiri peninsula

Satureja thymbra Satureia Maquis and phrygana

#### Latin name Common name **Notes** Scutellaria sieberi • A Skullcap Cliffs and rocky banks Sideritis curvidens Rocky places Sideritis syriaca subsp. syriaca • Mountain Tea Mountains Stachys creticasubsp. cretica Mediterranean Woundwort Common A Woundwort Waste places Stachys ocymastrum Stachys spinosa • Spiny Wounwort Local A Woundwort Stachys spinulosa Local Teucrium alpestre • A Germander Cliffs and rocks Teucrium capitatum Felty Germander Rocky places Teucrium cuneifolium • Rare. Imbros Gorge Teucrium divaricatum Rocky places Teucrium microphyllum Small-leaved Germander Rocky places Mediterranean Thyme Common Thymbra capitata Vitex agnus-castus Chaste Tree Gorge-beds and damp places Linaceae Flax Family Linum arboreum Shrubby Flax Cliffs in gorges Linum bienne Biennial Flax Frequent Malvaceae **Mallow Family** Alcea biennis Wild Hollyhock Occasional Frequent Althaea hirsuta Hairy Mallow Cultivated Hibiscus rosa-sinensis ‡ Hibiscus Lavatera bryoniifolia Bryony-leaved Mallow Common Malva arborea Tree Mallow Coast. Hania Malva cretica Cretan Mallow Waste areas Malva parviflora Least Mallow Rocky places near the sea Malva sylvestris Common Mallow Common Meliaceae **Mahogany Family** Melia azedarach ‡ Cultivated Persian Lilac Moraceae **Mulberry Family** Ficus carica Frequent Fig Ficus elastica ‡ Cultivated Rubber Plant Morus alba ‡ White Mulberry Cultivated Myoporaceae **Myoporum Family** Cultivated Myoporum laetum ‡ Ngaio Myrtaceae Myrtle Family Callistemon viminalis ‡ Cultivated Bottlebrush Eucalyptus camaldulensis ‡ River Red Gum Cultivated Myrtus communis Common Myrtle Occasional along watercourses Nyctaginaceae **Bougainvillea Family** Bougainvillea glabra ‡ Cultivated Bougainvillea Oleaceae **Olive Family** Olea europaea var. sylvestris Wild Olive Occasional in phrygana

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Occasional in maquis

Mock Privet

Phillyrea latifolia

Latin name Common name **Notes** Willowherb Family Onagraceae Epilobium hirsutum Greater Willowherb Wet ditches Orobanchaceae **Broomrape Family** Bellardia trixago Bellardia Frequent in meadows Orobanche alba Thyme Broomrape Occasional Orobanche crenata Bean Broomrape Parasitic on Vicia faba Orobanche ramosa **Branched Broomrape** Common on Oxalis pes-caprae Parentucellia latifolia Southern Red Bartsia Common Parentucellia viscosa Yellow Bartsia Occasional. Damp places **Oxalidaceae Wood-sorrel Family** Oxalis pes-caprae ‡ Bermuda Buttercup Common weed **Peony Family Paeoniaceae** Paeonia clusii subsp. clusii • Clusius' Peony **Omalos Papaveraceae Poppy Family** Glaucium flavum Yellow Horned Poppy Coast Sickle-fruited Hypecoum Akrotiri peninsula Hypecoum procumbens Papaver apulum Occasional Papaver argemone subsp. nigrotinctum Prickly Poppy Cropped land Papaver dubium subsp. dubium Long-headed Poppy Uncommon Papaver hybridum Rough Poppy Uncommon Papaver purpureomarginatum Occasional Papaver rhoeas Common Poppy Common **Phytolaccaceae Pokeweed Family** Phytolacca americana ‡ American Pokeweed Naturalised **Pittosporaceae Pittosporum Family** Pittosporum tobira ‡ A Pittosporum Cultivated **Plantaginaceae** Plantain and Speedwell Family Walls Cymbalaria muralis ‡ Ivy-leaved Toadflax Kickxia elatine subsp. sieberi Sharp-leaved Fluellen Agia Lake Linaria pelisseriana Jersey Toadflax Frequent in phrygana Misopates orontium Weasel's-snout Occasional Plantago afra Glandular Plantain Common Hairy Plantain Common Plantago bellardii Plantago cretica A Plantain Rocky places near coast Plantago lagopus Hare's-foot Plantain Frequent Plantago lanceolata Ribwort Plantain Olive groves. Damp places Plantago major Greater Plantain Damp places Plantago weldenii A Buck's-horn Plantain Coastal Veronica anagallis-aquatica Water Speedwell Streams Veronica arvensis Wall Speedwell Widespread Veronica cymbalaria Cymbalaria-leaved Speedwell Widespread

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Common Field Speedwell

**Plane Family** 

Oriental Plane

Naturalised near the sea

River valleys

Veronica persica ‡

Platanus orientalis

**Platanaceae** 

#### Latin name Common name **Notes Thrift Family** Plumbaginaceae Cliffs. Plakias Limonium graecum A Sea-lavender Limonium sinuatum Winged Sea-lavender Coastal sands Polygalaceae Milk-wort Family Polygala monspeliaca Mediterranean Milkwort Occasional Cultivated Polygala myrtifolia ‡ Myrtle-leaved Milkwort Eastern Milk-wort Frequent Polygala venulosa **Dock Family** Polygonaceae Persicaria salicifolia Willow-leaved Knotgrass Agia Lake Polygonum aviculare Knotgrass Disturbed ground Olive groves. Roadsides Polygonum equisetiforme Horsetail Knotgrass Polygonum maritimum Sea Knotgrass Coastal sands Rumex bucephalophorus Bull's-head Dock Common Rumex conglomeratus Clustered Dock Wet places Rumex crispus **Curled Dock** Occasional **Tuberous Dock** Rumex tuberosus subsp. creticus Rocky places Portulacaceae **Purslane Family** Portulaca oleracea Purslane Disturbed ground Primulaceae **Primrose Family** Anagallis arvensis subsp. arvensis Scarlet Pimpernel Common Anagallis arvensis subsp. foemina Blue Pimpernel Common Asterolinon linum-stellatum Asterolinon Frequent Cyclemen creticum • Cretan Sowbread Locally common Cyclamen graecum subsp. candicum • A Greek Sowbread Widespread Samolus valerandi Brookweed Wet rocks. Georgioupolis **Punicaceae Pomegranate Family** Punica granatum ‡ Pomegranate Cultivated Ranunculaceae **Buttercup Family** Adonis microcarpa subsp. cretica • Yellow Pheasant's-eye Akrotiri peninsula Adonis microcarpa subsp. microcarpa Yellow Pheasant's-eye Red-flowered Gious Kambos. Omalos Anemone coronaria Crown Anomone Anemone hortensis subsp. heldreichii Heldreich's Anemone Widespread Clematis cirrhosa Virgin's Bower Occasional. Maguis and roadsides Lice Bane Imbros Gorge Delphinium staphisagria Ficaria verna subsp. chrysocephala A Lesser Celandine Common Nigella damascena Love-in-a-Mist Plakias headland Ranunculus arvensis Fields Corn Buttercup 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 cupreus • Rocky places Ranunculus cytheraeus Locally common. Autumn-flowering Ranunculus creticus • Cretan Buttercup Shady cliffs Ranunculus gracilis Frequent Ranunculus muricatus Rough-fruited Buttercup Moist places

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Locally common

Jersey Buttercup

Ranunculus paludosus

Latin name	Common name	Notes
Ranunculus peltatus subsp. fucoides Ranunculus sprunerianus	Pond Water-crowfoot	Seasonal pond. Omalos plateau Open areas. Mountains
Ranunculus subhomophyllus	T	Above Omalos plateau
Ranunculus trichophyllus	Thread-leaved Water-crowfoot	Aquatic
Resedaceae	Mignonette Family	
Reseda alba	White Mignonette	Waste areas
Reseda lutea	Mignonette	Waste areas
Reseda luteola	Weld	Waste areas
Rhamnaceae	Buckthorn Family	
Rhamnus lycioides subsp. oleoides	A Buckthorn	Frequent in phrygana
	B F	
Rosaceae	Rose Family	Camman
Crataegus monogyna	Hawthorn Quince	Common Cultivated
Cydonia oblonga ‡ Eriobotrya japonica ‡		Cultivated
Poterium creticum •	Japanese Loquat Cretan Salad Burnet	Cliffs. Imbros Gorge
Poterium sanguisorba subsp. verrucosa	Salad Burnet	Frequent
Prunus dulcis ‡	Almond	Cultivated
Prunus persica ‡	Peach	Cultivated
Prunus prostrata	Rock Cherry	Mountain rocks. Omalos
Pyracantha coccinea ‡	Firethorn	Cultivated
Pyrus communis‡	Domestic Pear	Cultivated
Pyrus spinosa	Almond-leaved Pear	Common
Rosa canina	Dog-rose	Frequent
Rosa sempervirens	Evergreen Rose	Frequent
Rubus sanctus	A Bramble	Common
Sarcopoterium spinosum	Thorny Burnet	Common
Rubiaceae	Bedstraw Family	
Asperula pubescens •		Cliffs. Kotsifou Gorge
Asperula rigida •		Mountain rocks
Galium aparine	Cleavers	Waste places
Galium fruticosum •	A shrubby Bedstraw	Cliffs
Galium incrassatum •	A Bedstraw	Phrygana. Akrotiri peninsula
Rubia peregrina	Wild Madder	Frequent in scrub
Sherardia arvensis	Field Madder	Common
Valentia hispida	Valantia	Dry rocky places
Valentia muralis	Wall Valantia	Dry rocky places
Rutaceae	Rue Family	
Citrus limon ‡	Lemon	Cultivated
Citrus sinensis ‡	Orange	Cultivated
Ruta chalpensis subsp. chalepensis	Fringed Rue	Occasional
Salicaceae	Willow Family	
Populus alba‡	White Poplar	Common
Salix alba ‡	White Willow	By rivers
Santalaceae	Bastard-toadflax Family	
Osyris alba	Osyris	Locally common
·	, -	<b>,</b>

Latin name Common name **Notes** Sapindaceae **Maple Family** Acer sempervirens Cretan Maple Common. Mountains Saxifragaceae Saxifrage Family Saxifraga rotundifolia subsp. Chrysosplenium-leaved Locally common chrysospleniifolia Saxifrage Scrophulariaceae **Figwort Family** Wet ditches Scrophularia auriculata Water Figwort Scrophularia lucida Shining Figwort Occasional Scrophularia peregrina Nettle-leaved Figwort Common. Imbros Gorge Verbascum arcturus • Shrubby Mullein Common on cliffs Verbascum macrurum Common A Mullein Verbascum sinuatum Wavy-leaved Mullien Common Verbascum spinosum • Spiny Mullein Common Simaroubaceae Tree-of-heaven Family Ailanthus altissima ‡ Tree-of-heaven Naturalised Solanaceae Nightshade Family Hyoscyamus albus White Henbane Weedy places and walls. Hania Lycium barbarum ‡ Duke of Argyll's Teaplant Naturalised near the coast Mandrake Mandragora autumnalis Frequent Nicotiana glauca ‡ Shrub Tobacco Naturalised along roadsides Solanum elaeagnifolium ‡ Naturalised near the coast Silver-leaved Nightshade Solanum nigrum Black Nightshade Weedy places Solanum villosum Hairy Nightshade Damp 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 gnidioides Plakias headland A Daphne Daphne sericea A Daphne Common in mountains Thymelaea hirsuta Hairy Thymelaea Rocky places near the sea **Ulmaceae Elm Family** Ulmus minor ‡ Small-leaved Elm Occasional. Planted Zelkova abelicea • Cretan Zelkova Omalos plateau **Urticaceae Nettle Family** Parietaria cretica Cretan Pellitory Rocks and walls Parietaria judaica Pellitory-of-the-Wall Rocks and walls Urtica membranacea Membranous Nettle Weedy places Urtica pilulifera Roman Nettle Weedy places

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Weedy places

Cultivated

Small Nettle

Lantana

**Vervain Family** 

Urtica urens

Verbenaceae

Lantana camara ‡

Latin name Common name Notes

Lippia nodiflora

Verbena officinalis

Damp grassland. Souda

Vervain

Frequent. Waste areas

Vitaceae Vine Family

Vitis vinifera subsp. sylvestrisWild VineOccasionalVitis vinifera subsp. vinifera ‡Grape VineCultivated

Zygophyllaceae Caltrop Family

Tribulus terrestris Maltese Cross Waste areas

### **MONOCOTYLEDONS**

Amaryllidaceae Daffodil Family

Allium ampeloprasum Wild Leek Occasional

Allium callimischon subsp. haemostictum

Cliffs. Imbros Gorge. Autumnflowering

Allium circinnatum subsp. circinnatum • Akrotiri peninsula

Allium neapolitanumNaples GarlicOccasionalAllium nigrumBlack GarlicMeadowsAllium roseumRosy GarlicOccasional

Allium subhirsutum • Hairy Garlic Occasional Stony ground. Akrotiri

Allium trifoliatum Cultivated fields

Narcissus tazettaPolyanthus DaffodilGious KambosPancratium maritimumSea DaffodilSand dunes

Sternbergia sicula Slender Sternbergia Rock crevices. Autumn-flowering

Araceae Arum Family

Arisarum vulgareFriar's CowlCommon. Damp placesArum concinnatumAn ArumCommon. Olive groves

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

Arecaceae Palm Family

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

Asparagaceae Asparagus Family

Agave americana ‡ Centuryplant Cultivated and naturalised

Asparagus aphyllus subsp. orientalisLeafless AsparagusCommonDrimia maritimaSea SquillCommonLeopoldia comosaTassel HyacinthCommon

Muscari neglectum A Grape Hyacinth Mountain rocks. Omalos

Muscari spreitzenhoferi • A Tassel Hyacinth Frequent

Ornithogalum arabicum ‡A Star-of-BethlehemCultivated. HaniaOrnithogalum exscapum var. collinumA Star-of-BethlehemRocky placesOrnithogalum divergensA Star-of-BethlehemFrequent

Ornithogalum creticum • A Star-of-Bethlehem Occasional. Limestone crevices

Ornithogalum narbonense Southern Star-of-Bethlehem Frequent

#### Latin name Common name Notes A Star-of-Bethlehem Mountain turf Ornithogalum sibthorpii Butcher's-broom Shady areas Ruscus aculeatus Colchicaceae **Meadow Saffron Family** Colchicum macrophyllum Large-leaved Meadow Saffron Abandoned fields **Sedge Family** Cyperaceae Bolboschoenus maritimus Sea Club-rush Coastal marshes Carex otrubae Ditches and springs False Fox Sedge Cladium mariscus Great Fen-sedge Agia Lake Cyperus capitatus Sand Galingale Coastal sands Cyperus longus Galingale Wet places Common Club-rush Schoenoplectus lacustris Agia Lake Scirpoides holoschoenus Round-headed Club-rush Damp places Dioscoreaceae Yam Family Tamus communis Black Bryony Woodland and scrub Iridaceae Iris Family Crocus pumilus • A Crocus Imbros and Omalos. Autumn-flowering Crocus sieberi • A Crocus **Omalos** Field Gladiolus Frequent Gladiolus italicus Planted Iris albicans‡ White Iris Iris germanica‡ German Iris Planted Agia Lake Iris pseudacorus Yellow Flag Iris tuberosa Snake's-head Iris Gious Kambos and Omalos Iris unguicularis subsp. cretensis • Cretan Iris Locally common Moraea mediterranea One-leaved Barbary Nut Akrotiri peninsula Moraea sisyrinchium **Barbary Nut** Common Romulea bulbocodium A Sand-crocus Occasional Occasional Romulea linaresii subsp. graeca A Sand-crocus **Rush Family Juncaceae** Sharp Rush Maritime sands Juncus acutus Jointed Rush Juncus articulatus Wet places Juncus bufonius Toad Rush Wet places Juncus effusus Soft Rush Wet places Juncus heldreichianus Heldreich's Rush Coastal marshes. Maritime sands Liliaceae **Lily Family** Gagea graeca Greek Lloydia Common A Yellow Star-of-Bethlehem Gagea peduncularis Omalos plateau Tulipa bakeri • Baker's Tulip Omalos plateau Tulipa doerfleri • Gious Kambos Doerfler's Tulip Tulipa saxatilis Gious Kambos Rock Tulip **Orchid Family Orchidaceae** Anacamptis boryi Bory's Orchid Spili hill Anacamptis collina Fan-lipped Orchid Locally common Anacamptis fragrans Fragrant Bug Orchid Spili hill (leaves only)

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Heroic Pink Butterfly-orchid

Damp meadows

Locally common

Occasional

Jersey Orchid

Pyramidal Orchid

Anacamptis laxiflora

Anacamptis pyramidalis

Anacamptis papilionacea subsp. heroica

### Latin name

Neotinea lactea

Himantoglossum robertianum

Neotinea maculata Ophrys bombyliflora Ophrys candica Ophrys creberrima Ophrys cretica Ophrys heldreichii Ophrys herae Ophrys leochroma Ophrys sicula

Orchis anthropophora

Orchis italica Orchis pauciflora Orchis quadripunctata Serapias bergonii

Serapias cordigera subsp. cretica •

Serapias lingua

Serapias orientalis subsp. orientalis

### Common name

Giant Orchid Milky Orchid

Dense-flowered Orchid Bumblebee Orchid Candia Orchid Creberrima Orchid Common Cretan Bee Orchid

Occasional Heldreich's Orchid Common Hera's Orchid Local

Lion Mane Orchid Locally frequent

Small Yellow Bee Orchid Common Man Orchid Spili hill and Armeni

Notes

Spili hill

Spili hill

Locally common

Gious Kambos

Spili hill and Armeni

Rocky places. Roadsides

Plakias headland

Naked Man Orchid Common

Sparse-flowered Orchid Locally common

Four-spotted Orchid Common Bergoni's Tongue-orchid Common Cretan Heart-flowered Tongue-Agia Triada orchid

Tongue-orchid

Common Eastern Tongue-orchid Local

### **Poaceae**

Aegilops biuncialis Aegilops geniculata Arundo donax ‡ Ammophila arenaria

Andropogon distachyos Anthoxanthum odoratum

Avena barbata Avena sterilis

Brachypodium retusum

Briza maxima Briza minor

Catapodium marinum Catapodium rigidum Cynodon dactylon Cynosurus echinatus Digitaria sanguinalis Hordeum leporinum

Hyparrhenia hirta Lagurus ovatus Lamarckia aurea Lolium perenne Lolium temulentum

Melica ciliata Parapholis incurva Phragmites australis Piptatherum miliaceum

Poa annua

Polypogon monspeliensis

Rostraria cristata Sesleria doerfleri • Stipa capensis

### **Grass Family**

A Goat-grass Frequent Ovate Goat-grass Occasional

Giant Reed Naturalised and common

Marram Sand dunes

Two-spiked Beard-grass Sweet Vernal-grass Damp places. Fields Slender Oat Disturbed ground Winter Wild-oat Fallow land Mediterranean False-brome Widespread Large Quaking-grass Disturbed ground Lesser Quaking-grass Moist ground

Sea Fern-grass Maritime Fern-grass Bare stony ground Bermuda Grass Disturbed ground Rough Dog's-tail Rocky places. Fields

Roadsides Hairy Finger-grass

Wall Barley Roadsides. Waste places

**Thatching Grass** Widespread Hare's-tail Grass Common Golden Dog's-tail Frequent Perennial Rye-grass Widespread

Darnel Fields and waste places

Hairy Melick Imbros Gorge Curved Hard-grass Maritime sands

Common Reed Marshes and riverbanks Rice-grass Olive groves. Waste areas

Waste places Annual Meadow-grass Annual Beard-grass Wet places Crested Hair-grass Widespread Doerfler's Moor-grass Kotsifou Gorge

Mediterranean Needle-grass Rocky places and fields

Latin name Common name Notes

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 Common

Typhaceae Reedmace Family

Typha domingensis Southern Reedmace Agia Lake

Xanthorrhoeaceae Asphodel Family

Asphodeline liburnicaOccasionalAsphodeline luteaYellow AsphodelCommonAsphodelus aestivusCommon AsphodelCommon

Asphodelus fistulosus Hollow-stemmed Asphodel Ditches and roadsides

Zosteraceae Eelgrass Family

Zostera marinaEelgrassMarineZostera noltiiDwarf EelgrassMarine

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

						Ap	ril			
	Common name	Latin name	4	5	6	7	8	9	10	11
1	Mute Swan	Cygnus olor						12		
2	Eurasian Teal	Anas crecca					1			
3	Garganey	Spatula querquedula		300						
4	Tufted Duck	Aythya fuligula						15		
5	Chukar	Alectoris chukar		1					Н	
6	Little Grebe	Tachybaptus ruficollis	2				4	6		
7	Great Cormorant	Phalacrocorax carbo				2	1			
8	Squacco Heron	Ardeola ralloides		1						
9	Little Egret	Egretta garzetta		20		4	2	4		
10	Purple Heron	Ardea purpurea				2				
11	Glossy Ibis	Plegadis falcinellus		50						
12	Bearded Vulture	Gypaetus barbatus			1					
13	Griffon Vulture	Gyps fulvus	6	20	50	40	10	12		
14	Bonelli's Eagle	Aquila fasciata	1	1		2				
15	Western Marsh Harrier	Circus aeruginosus						2		
16	Montagu's Harrier	Circus pygargus			?					
17	Pallid Harrier	Circus macrourus			?					
18	Common Buzzard	Buteo buteo	✓	✓	2	3	6	1		
19	Eurasian Sparrowhawk	Accipiter nisus	1							
20	Common Kestrel	Falco tinnunculus	✓	✓	2	1	2	1	1	
21	Water Rail	Rallus aquaticus						1		
22	Little Crake	Porzana parva						4		
23	Common Moorhen	Gallinula chloropus		3			✓	✓		
24	Eurasian Coot	Fulica atra					✓	✓		
25	Black-winged Stilt	Himantopus himantopus		4						
26	Little Ringed Plover	Charadrius dubius		1	1	4	3			
27	Little Stint	Calidris minuta		20						

						Ар	ril			
	Common name	Latin name	4	5	6	7	8	9	10	11
28	Wood Sandpiper	Tringa glareola		12				2		
29	Green Sandpiper	Tringa ochropus		8			1			
30	Common Sandpiper	Actitis hypoleucos			1	1	1			
31	Marsh Sandpiper	Tringa stagnatilis		5						
32	Common Snipe	Gallinago gallinago		1						
33	Ruff	Calidris pugnax		20						
34	Yellow-legged Gull	Larus michahellis	✓	✓	✓	✓	✓	✓	✓	✓
35	Rock Dove / Feral Pigeon	Columba livia	✓	✓	✓	✓	✓	✓	✓	✓
36	Common Wood Pigeon	Columba palumbus		2	2	2				
37	Eurasian Collared Dove	Streptopelia decaocto	✓	✓	✓	✓	✓	✓	✓	✓
38	European Turtle Dove	Streptopelia turtur		1						
39	Common Cuckoo	Cuculus canorus		1					Н	
40	Common Swift	Apus apus	✓					20	✓	
41	Alpine Swift	Tachymarptis melba	10	20	10	10	1	20	20	
42	Eurasian Hoopoe	Upupa epops		Н		1		1	1	
43	Eurasian Wryneck	Jynx torquilla				1				
44	Crested Lark	Galerida cristata	5	2	6	<b>✓</b>			10	
45	Woodlark	Lullula arborea			2	Н		20	10	
46	Eurasian Crag Martin	Ptyonoprogne rupestris			1	12		3		
47	Barn Swallow	Hirundo rustica	<b>√</b>	<b>√</b>	· /	√	<b>✓</b>	<b>√</b>	<b>√</b>	<b>✓</b>
48	Red-rumped Swallow	Cecropis daurica		2						
49	Common House Martin	Delichon urbicum			<b>✓</b>					
50	Meadow Pipit	Anthus pratensis			6					
51	Tree Pipit	Anthus trivialis			Н	Н			3	
52	White Wagtail	Motacilla alba			1	2	1	1	2	
53	Blue-headed Yellow Wagtail	Motacilla flava flava		40	'		'	'	20	
55	Black-headed Yellow Wagtail	Motacilla flava feldegg		50				1	6	
54	Grey Wagtail	Motacilla cinerea		30			1	'	U	
55						1	'	1	4	
	Common Nightingale Northern Wheatear	Luscinia megarhynchos  Oenanthe oenanthe							2	
56					4	15		30		
57	Black-eared Wheatear	Oenanthe hispanica			1	1		4	2	
58	Whinchat	Saxicola rubetta			0	1	_	1	1	
59	Common Stonechat	Saxicola torquata	1	1	6	1	2	10	6 ✓	
60	Common Blackbird	Turdus merula		<b>V</b>		<b>√</b>	<b>√</b>	✓	<b>V</b>	✓
61	Blue Rock Thrush	Monticola solitarius	1		2	1	2			
62	Blackcap	Sylvia atricapilla	Н	2	Н	Н	Н	Н	Н	
63	Common Whitethroat	Sylvia communis				1				
64	Sardinian Warbler	Sylvia melanocephala	Н	✓	✓	✓	✓	<b>✓</b>	✓	✓
65	Subalpine Warbler	Sylvia cantillans						1		
66	Sedge Warbler	Acrocephalus schoenobaenus						4		
67	Cetti's Warbler	Cettia cetti	Н	Н	Н	Н	Н	Н		
68	Common Chiffchaff	Phylloscopus collybita							1	
69	Eurasian Wren	Troglodytes troglodytes				✓	2	Н		
70	Pied Flycatcher	Ficedula hypoleuca		1					1	
71	Collared Flycatcher	Ficedula albicollis							1	
72	Great Tit	Parus major	✓	✓	✓	✓	✓	✓	✓	✓
73	European Blue Tit	Cyanistes caeruleus	✓	✓	✓	✓	✓	✓	✓	✓
74	Woodchat Shrike	Lanius senator	1	1			1	1	1	
75	Eurasian Jay	Garrulus glandarius	1			1		1		
76	Western Jackdaw	Coloeus monedula	✓	✓	✓		✓			
77	Red -billed Chough	Pyrrhocorax pyrrhocorax	✓	✓				4		

						Ap	ril			
	Common name	Latin name	4	5	6	7	8	9	10	11
78	Alpine Chough	Pyrrhocorax graculus						6		
79	Hooded Crow	Corvus cornix	✓	✓	✓	✓	✓	✓	✓	✓
80	Common Raven	Corvus corax	2	4	10	✓	✓	✓	4	
81	Italian Sparrow	Passer italiae	✓	✓	✓	✓	✓	✓	✓	✓
82	Common Chaffinch	Fringilla coelebs	✓	✓	✓	✓	✓	✓	✓	✓
83	Common Linnet	Linaria cannabina				6		30	12	
84	European Goldfinch	Carduelis cardulis	✓	✓	✓	✓	✓	✓	✓	✓
85	European Greenfinch	Chloris chloris	Н	Н	Н	Н	2	Н	2	
86	Eurasian Siskin	Spinus spinus					1			
87	European Serin	Serinus serinus				1	Н		20	
88	Cirl Bunting	Emberiza cirlus						12	1	
89	Corn Bunting	Emberiza calandra		1	5	6	Н	1		

## Mammals (D=Dead)

1	Beech Marten	Martes foina bunites	D	D	D			D	
2	Least Weasel	Mustela nivalis galinthias				✓	D		
3	Cretan Badger	Meles meles arkalus	D		D	D	D		

# Reptiles

1	Balkan Green Lizard	Lacerta trilineata	✓		✓			✓		
2	Cretan Wall Lizard	Podarcis cretensis		✓	✓	✓	✓	✓	✓	
3	Ocellated Skink	Chalcides ocellatus				✓				
4	Balkan Terrapin	Mauremys rivulata			✓	✓	✓	✓		

## Amphibians

1	American Bullfrog ‡	Lithobates catesbeianus						✓			
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### Butterflies

1	Mallow Skipper	Carcharodus alceae						✓	✓	
2	Cretan Festoon	Zerynthia cretica					✓			
3	Scarce Swallowtail	Iphiclides podalinus		✓						
4	Swallowtail	Papilio machaon		✓						
5	Large White	Pieris brassicae	✓		✓	✓	✓	✓	✓	
6	Small White	Pieris rapae			✓				✓	
7	Eastern Dappled White	Euchloe ausonia							✓	
8	Clouded Yellow	Colias crocea		✓		✓	✓		✓	
9	Small Copper	Lycaena phlaeas					✓	✓	✓	
10	Holly Blue	Celastrina argiolus	✓	✓	✓	✓	✓	✓	✓	
11	Common Blue	Polyommatus icarus					✓		✓	
12	Brown Argus	Arica agrestis				✓				
13	Red Admiral	Vanessa atalanta				✓	✓	✓	✓	
14	Painted Lady	Vanessa cardui				✓	✓		✓	
15	Southern Comma	Polygonia egea			✓				✓	
16	Southern Speckled Wood	Pararge aegeria aegeria			✓		✓			
17	Wall Brown	Lasiommata megera					✓		✓	

### Moths

1	Pine Processionary Moth	Thaumetopoea pityocampa	✓	✓	✓	✓	✓	

				April							
	Common name	Latin name	4	5	6	7	8	9	10	11	
Dr	agonflies										
Dr	agonflies										
Dr	agonflies  Banded Demoiselle	Calopteryx splendens			✓						

Ischnura elegans

### Other Insects

Blue-tailed Damselfly

3

1	Egyptian Grasshopper	Anacridium aegyptium	✓	✓			✓	✓		
2	Migratory Locust	Locusta migratoria		✓						
3	Nosed Grasshopper	Acrida ungarica	✓	✓						
4	Red-winged Grasshopper	Oedipoda germanica					✓			
5	Devil's Coach Horse	Ocypus olens							✓	
6	Fire Bug	Pyrrhocoris apterus	✓	✓	✓	✓	✓	✓		
7	Violet Carpenter Bee	Xylocopa violacea	✓	✓	✓					
8	Potter Wasp	Odynerus spinipes			✓					
9	Green Tiger Beetle	Cicindela campestris				✓	✓		✓	

### Molluscs

1 Cretan Door Snail Albinaria inflata				✓				
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### Crustaceans

1	Land Crab	Potamon potamios		D			