

The Island of Samos

Naturetrek Tour Report

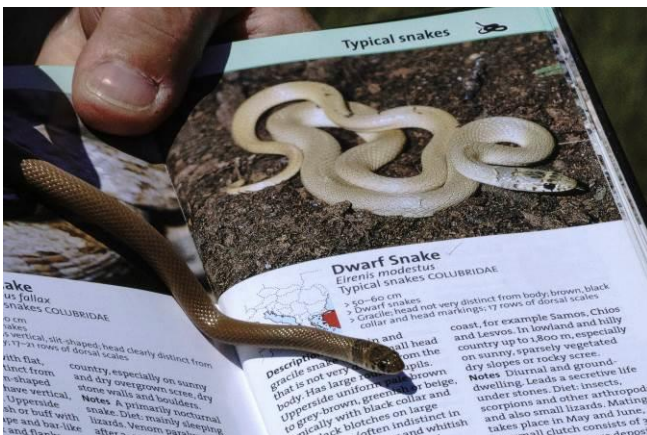
15 - 23 April 2016



Procopiana cretica by Paul Harnes



Starred Agama by Bill Gray



Dwarf Snake by Bill Gray



Aristolochia incisae by Paul Harnes

Report compiled by Paul Harnes
Images by Bill Gray & Paul Harnes



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Tour participants: Paul Harmes (leader) with four Naturetrek clients

Day 1

Friday 15th April

Four group members met Paul at Heathrow Terminal 2, for the 10.15pm Aegean Airways flight A3609 to Athens.

Day 2

Saturday 16th April

Karlovasi

Upon our arrival in the Greek capital, we made our way to the relevant departure gate for the 6.15am Aegean Airways flight A37240 to Samos. We arrived on the island, after the 45-minute flight, at 7.50am, and made our way to the baggage hall to collect our bags, before Paul went to arrange the minibus.

We set off in a north-westerly direction towards the town of Karlovasi (also spelt Karlovassi), and the Hotel Astir. Early sightings along the way included Common Swift, Hooded Crow, Common House Martin and the Samos 'Black-capped' subspecies of Eurasian Jay. At the Hotel Astir, our base for the week, we were met by Theo and his mother, Agiro, who quickly allocated the rooms. We then we met downstairs for a late breakfast, before taking a rest period in order to re-charge batteries.

At 1pm, we met up for a light lunch, before setting off to take a walk behind the Astir Hotel. The afternoon was bright and sunny with a light breeze, as we set off through the market gardens, vineyards and fields leading down to a stream, on the edge of Karlovasi. It was not long before Spanish Sparrow, Woodchat Shrike and several mixed flocks of Grey and Black-headed Western Yellow Wagtails attracted the attention, and a Common Kestrel disturbed a mixed flock of Spanish and House Sparrows. On the stream, we found a few Wood Sandpipers and White Wagtail, where the stream flowed in to the sea, Yellow-legged Gulls and, overhead, Common Swift. Plants found included *Trifolium resupinatum* (Reversed Clover), *Rubia tinctoria* (Wild Madder), *Acanthus spinosus* (Spiny Bear's-breech), both varieties of *Glebionis coronarium* (Crown Daisy), *Orobancha ramosa* (Branched Broomrape) and *Trifolium chypeatum* (Shield Clover). We now returned to the hotel to freshen up for our evening meal.

Day 3

Sunday 17th April

Marathokambos – Limnionas – Paleochori – Plaka - Kastania

An early bird walk, from 7am, checked the vine and vegetable fields and the stream at the rear of the hotel for morning migrants. Black-headed and Grey-headed Western Yellow Wagtails were seen, and we made contact with Eastern Olivaceous Warbler. At first it made the occasional call, then it did show itself, albeit fleetingly. Hooded Crow, Common Swift and Spanish Sparrow, were also recorded.

After breakfast, we headed southwest towards the Marathokambos Bay area. Our first stop was on the top of a hill where we searched for orchids, among a stand of *Pinus halepensis* (Aleppo Pine). We were not disappointed, finding *Ophrys lutea* subsp. *galilaea* (Small Yellow Ophrys), *Ophrys fusca* subsp. *fusca* (Sombre Bee Orchid) and *Orchis anatolica* (Anatolian Orchid), but the surprise find was a single spike of *Limodorum abortivum* (Violet Bird's-

nest Orchid), in full flower. There were also *Securigera cretica* (Small Crown Vetch) and *Trifolium uniflorum* (One-flowered Clover). On the road verge, we also found *Ophrys sphagodes* subsp. *mammosa* (an Early Spider Orchid). For the birders there were Great Tit and Common Chaffinches, with European Robin and Common Blackbird singing. A large and potentially dangerous specimen of the Large European Centipede was also seen.

We now continued down to the south coast then turned west towards Kambos and Limnionas, making our next stop an olive grove near Limnionas where *Anacamptis coriophora* (Bug Orchid), *Anacamptis sancta* (Holy Orchid) *Ophrys speculum* subsp. *regis-fernandesii* (King Ferdinand's Mirror Orchid), *Lagoecia cuminoidea* (Lagoecia) and *Tragopogon hybridus* were all recorded. The birders, meanwhile, saw little different as the morning warmed up, but we did spot a Large Tortoiseshell butterfly.

Moving to a point above the village of Plaka, we stopped to explore an open scrubby hillside, on the lower slopes of Mount Kerketeas. The track leading up the hillside was very rich botanically, with *Anacamptis pyramidalis* (Pyramidal Orchid), *Alkanna tinctoria* (Dyer's Alkanet), *Ophrys fusca* subsp. *iricolor* (Rainbow Ophrys) and *Ajuga chamaepitys* subsp. *chia* (Ground Pine). The ornithologists also enjoyed one of the more special birds of the island, with good views of male Rüppell's Warbler, which showed well, along with Green Hairstreak, Green-underside Blue and Clouded Yellow butterflies, and a good-sized specimen of Ottoman Viper.

We moved down to another area of olive groves and rocky roadsides, just above the village of Paleochori. Here, we enjoyed our picnic lunch before exploring further. Three species of *Cistus* carpeted the hillside. These were *Cistus creticus* (Large Pink Cistus), *Cistus parviflorus* (Small-flowered Cistus) and *Cistus salvifolius* (Sage-leaved Cistus), together with some *Cytinus hypocistis*, a species parasitic on the Cistus family. In the olive groves we found *Anacamptis morio* subsp. *picta* (Mediterranean Green-winged Orchid), *Serapias orientalis* (a Tongue Orchid), and *Gagea graeca*. We also identified Large White, Small White and Swallowtail butterflies. The avian highlight was the arrival of four Alpine Swifts, which appeared to come in off the sea.

After stopping for refreshments in Kambos, we began to make our way back to Karlovassi, making a detour via the village of Kastania. Here, on a roadside, *Ophrys reinholdii* (Reinhold's Ophrys), *Orchis italica* (Naked Man Orchid) *Anemone pavonia* (Peacock Anemone) and *Allium subhirsutum* were found, together with Mallow Skipper and Eastern Bath White butterflies. It was then time to return to Karlovasi, for dinner.

Day 4

Monday 18th April

Psili Amos (Alyki Wetlands) – Mykali Beach

After another excellent breakfast, we set off for the day by heading east along the north coast and then south, past Samos Town to the Alyki Wetlands at Psili Amos. We parked near the old salt works, and began to study the scrub and lake. Ruddy Shelduck, which breed by the lake, were in fair numbers, and there were also Eurasian Coot, Black-winged Stilt, Yellow-legged Gull, Glossy Ibis, Little Egret, Grey, Squacco and Purple Herons. Around the lake there were Corn Buntings singing with Zitting Cisticolas flying overhead, as well as a solitary female Western Marsh Harrier and Common Kestrel. Meanwhile, the botanists were hard at work among the flora, finding *Limonium sinuatum* (Winged Sea Lavender), the leaves of the distinctive *Arum dioscoridis*, *Parentucellia viscosa* (Yellow Bartsia), *Serapias parviflora* and *Serapias orientalis* (Tongue Orchids).

Moving onto the sandy foreshore, we added *Silene colorata*, *Anthemis tomentosa* (Woolly Chamomile), *Anthemis rigida* (Rayless Chamomile) and *Legousia pentagonia*. Also on the beach, we watched Crested Larks.

We took our picnic in the shade of the old salt works, overlooking the lake. During the meal Paul found a rather small specimen of the curious Worm Snake and also Dwarf Snake. We then moved off in a westward direction, parking on the beach at Mykali. Here we explored an area of semi-saline fields, some of which showed signs of having been cultivated in the past. *Ophrys apifera* (Bee Orchid), *Ophrys bombyliflora* (Bumblebee Orchid), *Serapias vomeracea* (Plough-share Tongue Orchid) and *Leopoldia comosa* (Tassel Hyacinth) were among the flowers found. For the birders, there were Woodchat Shrike, Zitting Cisticola and Corn Bunting, and Eurasian Reed Warbler was heard. On the shingle, the botanists added *Cymbalaria longipes* (an Ivy-leaved Toadflax) and the leaves of *Pancratium maritimum* (Sea Daffodil), before we made our way back to the hotel, via an ice cream shop.

Day 5

Tuesday 19th April

Hora – Agias Triadas Monastery – Pythagorio - Potokaki Beach

In the morning the birding group met at 7am, as usual. It was a calm morning with only a light breeze. A few Wood Sandpipers were seen on the stream, together with a passage Citrine Wagtail, and the sunken lane produced further good views of Eastern Olivaceous Warbler.

After breakfast, we set off on the road towards Pythagorio, eastwards through Pyrgos and on to Hora, where we turned north up towards Mytilinii, and made a stop on the verge of a wide gorge. Here, the birders managed to get excellent views of Ortolan Bunting, feeding on the crumbling rock-face opposite, and Cretzchmar's Bunting, perched in a conifer. The botanists found *Satureja thymbra* (Satureia), *Salvia fruticosa* (Three-leaved Sage), *Origanum onites* ('Green' Oregano) and *Tragopogon porrifolius* (Salsify). We then moved on to some old arable fields on a side road, in a valley above Pythagorio, to the north of the Agias Triadas Monastery. *Gladiolus italicus* (Field Gladiolus), *Ranunculus arvensis* (Corn Buttercup), *Lamium moschatum*, *Anemone coronaria* (Crown Anemone) and *Allium nigrum* were the botanical highlights, and a distant Corn Bunting and Little Owl, represented the birds.

We set up our picnic at the monastery. The botanists explored the area, finding *Ophrys umbilicata*, *Bellevalia trifoliata*, *Ophrys scolopax* subsp. *cornuta* (Eastern Woodcock Orchid), and the last remaining spikes of *Anacamptis laxiflora* (Lax-flowered Orchid). From here, we made our way into Pythagorio. Parking to the west of the town, we made our way down to the harbour, where some of the group visited the statue of Pythagoras, and we enjoyed refreshments.

Our final stop of the day was at Potokaki Beach. As we made our way along the shore, Cath spotted a solitary Black Stork and a pair of little Egrets in a drainage channel. As we left the vehicle, Crested Larks were seen and Cetti's Warbler, Eurasian Skylark, Zitting Cisticola and Eurasian Reed Warbler were heard. A distant Western Marsh Harrier and Squacco Heron were seen. In addition, we found Little Ringed Plover, Wood Sandpiper, Kentish Plover and Ruff, as well as Tawny Pipit among a flock of Greater Short-toed Larks. Meanwhile the botanists added *Silene coloratus*, *Melilotus messanensis*, *Zygophyllum fabago* (Syrian Bean Caper) and *Cyperus capitata*. Snake-eyed Lizards were scuttling among the vegetation, and Paul also found a Scorpion. We then made our way back to Karlovasi.

Day 6

Wednesday 20th April

Ydroussa

The morning's bird walk produced only one species new for the list, Common Sandpiper. Olivaceous warbler was heard and European Greenfinch and Red-rumped Swallow were also seen.

After breakfast, in warming sunshine but a stiff breeze, we headed for the village of Ydroussa, a few kilometres inland, to the east of Karlovasi. Parking the minibuses in the town car park, we started along the track towards the villages of Kondieka and Platanos. Before leaving the car park, we recorded three species of *Erodium*: *E. cicutarium* (Common Stork's-bill), *E. moschatum* (Musk Stork's-bill) and *E. malacoides* (Mallow-leaved Stork's-bill). The path took us past olive groves, some which had, unfortunately, been sprayed with herbicides, but others were rich in flowers. Early finds were *Calendula suffruticosa* (Wild Marigold) and *Linaria chalcensis* (White Toadflax). Butterflies were well represented and included Red Admiral, Eastern Bath White, Orange Tip, Samos Eastern Festoon, Mallow Skipper and Clouded Yellow. *Trifolium tomentosum* (Woolly Clover), *Dracunculus vulgaris* (Dragon Arum), *Arbutus unedo* (Strawberry Tree) and *Styrax officinalis* (Storax) were all added as we went. A solitary Common Buzzard and Common Whitethroat were seen, and Eastern Olivaceous Warbler was heard. Further along the track, a fine stand of *Limodorum abortivum* (Violet Bird's-nest Orchid) was found. After taking our lunch in a shady olive grove, we began to make our way back to the vehicles, as we went had excellent views of a Starred Agama, sunning itself on a wall. We now made our way down to Karlovasi, via the ice cream shop, on our way back to the Astir Hotel.

After an early dinner, we re-joined our vehicle for a return journey to Ydroussa, in the hope of seeing Golden Jackal. Unfortunately, we did not see them, but we did hear them howl in the far distance. We also heard Tawny Owl. Upon our return to the hotel, Fliss found Eastern Hedgehog foraging in the garden.

Day 7

Thursday 21st April

Pyrgos and the Ambelos Mountains

The day dawned bright and sunny, but with a strong wind blowing from the north. The morning birders did not find anything new behind the hotel.

This morning, we again set off along the road to Pythagorio. When we reached Pyrgos, we turned north towards the village of Pandroso, where we stopped in at area of rough, rocky hillsides and olive groves. Botanical finds included *Silene dichotoma* (Forked Catchfly), *Gladiolus illyricus* (Wild Gladiolus), together with *Serapias bergonii* (a Tongue Orchid), *Orchis anatolica* (Anatolian Orchid), and *Orchis italica* (Naked Man Orchid) among other orchids. There was also *Quercus coccifera* (Kermes Oak), *Cistus parviflorus* (Small-flowered Cistus), *Lysimachia atropurpurea* and *Medicago monspeliaca*. Birds included Sardinian Warbler, Rüppell's Warbler and Woodchat Shrike. Among the butterflies, there were Large and Small White, Samos Eastern Festoon, Red Admiral, Painted Lady and Orbed Red-underwing Skipper.

Continuing on towards Pandroso, we turned up a long, rough track to the summit of Ambelos Mountain. As we slowly climbed, the Samos race of Eurasian Jay, Cretzschmar's Bunting, Northern and Black-eared Wheatears and European Serin were seen. After 15 minutes, we reached a point just below the summit, where we stopped

to have our picnic. After eating, we set about exploring. *Parentucellia latifolia* (Southern Red Bartsia), *Ophrys scolopax* subsp. *scolopax* (Woodcock Orchid), *Orchis anatolica* (Anatolian Orchid), *Iris attica*, *Cerastium comatum* (a very hairy Mouse-ear), *Aubrieta deltoidea* (Aubrieta) and the curious *Aristolochia incisa* (a Birthwort) were all found. On the bird front, things were a little slow but Rüppell's Warbler, Sardinian Warbler and a solitary Masked Shrike were recorded. Painted Lady, Sooty Copper, Small Copper and Small White butterflies were also added. On the descent, we stopped to admire a few remaining spikes of *Dactylorhiza romana* (Roman Orchid), mixed with a good number of *Orchis mascula* subsp. *mascula* (Early Purple Orchid). Even though we were at altitude, we were sheltered from the worst of the wind by the mountain.

It was now time to make our way back to Karlovasi. Along the way we stopped on a road verge to the west of Pyrgos, where we found *Ophrys scolopax* subsp. *heldreichii* (Heldreich's Ophrys) and a good number of *Anacamptis pyramidalis* (Pyramidal Orchid), some of which were the white form.

Day 8

Friday 22nd April

Potami Beach Area

The morning bird walk began quietly, with a large flock of House and Spanish Sparrows and a solitary Common Sandpiper. However, we soon became aware of a 'Ring-tailed' Harrier coursing the vineyards, and this was followed by a Red-footed Falcon.

After a good breakfast, we headed north-west past the harbour, to Potami Beach, where we left our minibus and started our walk towards the olive groves above the Seitani Bays. Our aim was to explore the coastal paths, tracks and groves. We began with the botanists finding *Hymenocarpus circinnatus* (Disc Trefoil), *Trifolium purpureum*, *Ophrys scolopax* subsp. *heldreichii* (Heldreich's Ophrys) and *Securigera securidaca*. Samos Eastern Festoon, Small White, the southern race of Speckled Wood [subsp. *aegeria*] and Scarce Swallowtail were among the butterflies recorded. In addition, Common Chaffinch, Northern Raven, Sardinian Warbler and Common Whitethroat were heard and Alpine, Common and Pallid Swift were also seen. Lunch was taken in an olive grove, which provided good shade as the day was beginning to warm up significantly. After our meal, a strange call was heard overhead. This turned out to be a solitary Short-toed Eagle, our first of the week.

During our walk back to Potami, Chaffinch, Great Tit, Sardinian Warbler and Blackbird were regularly heard. Plants added included *Medicago scutellata*, *Ophrys lutea* subsp. *galilaea* (Yellow Bee Orchid), *Euphorbia peplus* (Petty Spurge), *Lagoecia cuminoides* (Lagoecia) and *Trigonella cariensis*. We made our way slowly back to Potami, where we explored a small meadow, under the cliffs. It was not too long before Bill locked on to an Audouin's Gull flying along the beach. The botanists, meanwhile, found *Ophrys scolopax* subsp. *heldreichii* (Heldreich's Orchid) and *Ophrys fuciflora* formerly *O. episcopalys* (Late Spider Orchid) in the meadow, and on the cliffs, *Brassica oleracea* subsp. *robertiana* (Wild Cabbage) and *Ptilostemon chamaepeuce* (Shrubby Ptilostemon). At this point we moved to the path by the stream, which passes one the Island's oldest temples, Metamorphosis tou Sotira. Here, we found Starred Agama sunning itself on a high wall, *Procopiana cretica* (Procopiana), *Umbilicus luteus* (Yellow Wall Pennywort) and *Campanula hajelia* (a Bellflower). Butterflies were represented by Swallowtail, Small White and Cleopatra.

It was now time to return to the hotel, in order to pack before dinner. A brief walk out at the back of the hotel produced a mixed flock of Western Yellow Wagtails, Meadow Pipit, Wood Sandpiper and Woodchat Shrike.

Day 9

Saturday 23rd April

Mylai (Temple of Hera) - Samos - Athens - London

This morning we made our last excursion out behind the Astir Hotel. The highlight of the walk was a solitary Black-crowned Night Heron.

After breakfast, we said our farewells to Theo and his mother, Agiro, and set off for the coast, near the airport. Along the way we recorded 'Black-capped' Eurasian Jay, House Sparrow, Chukar Partridge and Eurasian Collared Dove. We made our way south, through Koumaradei and Mylai, to the ancient ruins of the Temple of Hera. Parking at the site, we purchased tickets but, just before we set off, Paul spotted the so-far-elusive Black-headed Buntings, feeding in a corn field and flying up into an olive tree. Inside the Temple site, 'Black-capped' Eurasian Jay, Eastern Olivaceous Warbler and Common Chaffinch were all seen.

From here, we moved on to take a second look at Potokaki Beach. Here, there were good numbers of Western Yellow Wagtails, of varying head colours, Ruff, Little Ringed Plover, Wood Sandpiper and Red-throated Pipit, together with Whinchat, Corn Bunting and vocal Cetti's and European Reed Warblers.

After lunch at a beach café, we made our way to the Airport for our flight to Athens and onwards to London Heathrow.

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Audouin's Gull by Bill Gray

Species Lists

Plants ([] = Introduced or naturalised species)

Nomenclature contained within this list follows the taxonomic amendments, based on DNA analysis, made by the Royal Botanic Gardens, Kew and the Missouri Botanic

PTERIDOPHYTES

Lycophytes

Selaginellaceae

Selaginella denticulata

Calamophytes

Equisetaceae

Equisetum ramosissimum

Equisetum telmateia

Leptosporangiate Ferns

Aspleniaceae

Asplenium ceterach

Asplenium trichomanes subsp. *quadrivalens*

Dennstaediceae

Pteridium aquilinum

Polypodiaceae

Polypodium cambricum

Pteridiaceae

Adiantum capillus-veneris

Anogramma leptophylla

GYMNOSPERMS

Cupressaceae

[*Cupressus sempervirens*]

Juniperus phoenicis

Pinaceae

Pionus brutia

Pinus halepensis

ANGIOSPERMS

Pre-Dicots

Aristolochiaceae

Aristolochia hirta

Aristolochia incisa

FERNS & ALLIES

Clubmosses & Quillworts

Lesser Clubmoss Family

Mediterranean Clubmoss

W of Potami Beach

Horsetails

Horsetail Family

Branched Horsetail

Karlovasi

Giant Horsetail

Potami Beach

True Ferns

Spleenwort Family

Rusty-back Fern

W of Potami Beach

Maidenhair Spleenwort

W of Potami Beach

Bracken family

Bracken

Near the Triadas Monastery

Polypody Family

Southern Polypody

W of Potami Beach

Ribbon Fern Family

Maidenhair Fern

Behind Karlovasi

Jersey fern

Above Plaka

CONIFERS

Juniper family

Italian Cypress

W of Potami Beach

Phoenicean Juniper

Psili Amos

Pine Family

Greek Pine

Common

Aleppo Pine

Psili Amos

FLOWERING PLANTS

Primitive Angiosperms

Birthwort Family

A Birthwort

Above Pyrgos

A Birthwort

Ambelos Mountains

PTERIDOPHYTES**Eu-Dicots****Acanthaceae***Acanthus spinosus***Adoxaceae***Sambucus nigra***Aizoaceae***[Carpobrotus acinaciformis]**[Carpobrotus edulis]***Amaranthaceae***Atriplex portulacoides**Beta vulgaris* subsp. *maritima**Chenopodium album**Sarcocornia perennis***Anacardiaceae***Pistacia lentiscus**Pistacia terebinthus**Rhus coriaria***Apiaceae***Ainsworthia trachycarpa**Bupleurum lancifolium**Crithmum maritimum**Daucus carota**Echinophora spinosa**Elaeoselinum asclepium**Ferula communis**Foeniculum vulgare**Lagoecia cuminoides**Opopanax chironium**Orlaya daucooides**Scandix pecten-veneris**Smyrniolum rotundifolium**Thapsia garganica**Tordylium apulum**Torilis nodosa***Boraginaceae***Alkanna tinctoria* (*lehmanii*)*Anchusa azurea**Anchusa undulata* subsp. *hybrida**Cerinthe major**Echium angustifolium**Echium plantagineum**Lithodora zahnii**Onosma graeca**Pardoglossum* (*Cynoglossum*) *cheirifolium**Procopiana cretica***FERNS & ALLIES****True Dicotyledons****Bear's-breech Family**

Spiny Bear's-breech

Karlovasi

Moschatel Family

Elder

Near Marathokambos

Dewplant Family

Sally-my-Handsome

Karlovasi

Yellow Hottentot Fig

Karlovasi

Goosefoot Family

Sea Purslane

Psili Amos

Sea Beet

karlovasi

Fat Hen

Karlovasi

Perennial Glasswort

Psili Amos

Sumach Family

Mastic Tree

Ydroussa

Turpentine Tree

W of Potami Beach

Sumach

Potokaki Beach

Carrot Family

Ainsworthia

Above Limnionas

A Hare's-ear

Near the Triadas Monastery

Sea Samphire

Psili Amos

Wild Carrot

Above Plaka

Prickly Samphire

Psili Amos

Elaeoselinum

Near Marathokambos

Giant Fennel

Roadside near Samos Town

Fennel

Karlovasi

Lagoecia

Above Plaka

Opopanax

W of Potami Beach (leaves)

-

Ambelos Mountains

Shepherd's Needle

Ydroussa

a Perfoliate Alexanders

S of Samos Town

Thapsia

Psili Amos

Tordylium

Above Plaka

Knotted Bur-parsley

Mykili Beach

Borage Family

Dyer's Alkanet

Above Plaka

Large Blue Alkanet

W of Samos Town

Undulate Anchusa

Potokaki Beach

Greater Honeywort

Karlovasi

-

Potokaki Beach

Purple Viper's Bugloss

Karlovasi

-

Near Marathokambos

Golden Drops

Above Limnionas

-

Ambelos Mountains

Procopiana

Potami Beach

PTERIDOPHYTES**Brassicaceae**

Aubrieta deltoidea
Aurinia (Alyssum) saxatilis
Brassica oleraceae subsp. *robertiana*
Cakile maritima
Capsella bursa-pastoris
Eruca vesicaria
Hirschfeldia incana
Iberis spuneri
Lepidium draba
Matthiola tricuspidata
Sinapsis arvensis
Sisymbrium officinale
Sisymbrium orientale

Capparidaceae

Capparis spinosa

Campanulaceae

Campanula c.f. *hagielia*
Legousia pentagonia

Caprifoliaceae

Knautia integrifolia
Pterocephalus plumosus
Valeriana dioscoridis
Valeriana officinalis
Valerianella discoidea

Caryophyllaceae

Agrostemma githago
Cerastium comatum
Cerastium glomeratum
Hernaria hirsuta
Petrorhagia prolifera
Petrorhagia velutina
Polycarpon tetraphyllum
Silene behen
Silene colorata
Silene cretica
Silene dichotoma
Silene gallica var. *gallica*
Silene gigantea
Silene italica
Silene sedoides
Silene vulgaris
Spergularia marina

Cistaceae

Cistus creticus
Cistus parviflorus
Cistus salvifolius

FERNS & ALLIES**Cabbage Family**

Aubrieta	Ambelos Mountains
Yellow Alyssum	Ambelos Mountains
Wild Cabbage	Potami Beach
Sea Rocket	Potokaki Beach
Shepherd's Purse	Karlovasi
Rocket	Psili Amos
Hoary Mustard	Karlovasi
A Candytuft	Ambelos Mountains
Hoary Cress	Ydroussa
Three-horned Stock	Karlovasi
Charlock	Karlovasi
Hedge Mustard	Karlovasi
Oriental Rocket	Ydroussa

Caper Family

Caper	Ydroussa
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Bellflower Family

-	Common
-	Psili Amos

Honeysuckle Family

-	Ydroussa
Annual Pterocephalus	Common
-	Ambelos Mountains
Common Valerian	Above Plaka
A Cornsalad	W of Potami Beach

Pink Family

Corncockle	Temple of Hera
-	Ambelos Mountains
Sticky Mouse-ear	Ambelos Mountains
Rupturewort	Ambelos Mountains
Proliferous Pink	Above Plaka
Kohlruschia	Near Maraythokambos
Four-leaved Allseed	Karlovasi
-	Above Palechori
-	Potokaki Beach
Cretan Catchfly	Above Palechori
Branched Catchfly	Above Pyrgos
Small-flowered Catchfly	Above Pyrgos
Giant Catchfly	Potami Beach
Italian Catchfly	Above Palechori
-	Karlovasi
Bladder Campion	Karlovasi
Lesser Sea-spurrey	Karlovasi

Cistus Family

-	Above Palechori
Small-flowered Cistus	Above Palechori
Sage-leaved Cistus	Above Palechori

PTERIDOPHYTES

Fumana arabica
Fumana ericoides
Tuberaria guttata

Compositae (Asteraceae)

Anthemis chia
Anthemis rigida
Anthemis tomentosa
Bellis sylvestris
Calendula suffruticosa
Carduus pycnocephalus
Carduus tenuiflorus
Centurea cyanus
Cichorium intybus
Crupina crupinastrum
Doronicum orientale
Glebionis coronarium var. *coronarium*
Glebionis coronarium var. *discolor*
Glebionis segetum
Hedypnois rhagadioloides (*H. cretica*)
Helichrysum orientale
Matricaria recutita
Notobasis syriaca
Pallenis spinosa
Phagnalon rupestre
Ptilostemon chamaepeuce
Rhagadiolus stellatus
Senecio gallicus
Silybum marianum
Sonchus oleraceus
Tragopogon dubius
Tragopogon hybridus
Tragopogon porrifolius (*T. sinuatus*)
Urospermum picroides

Convolvulaceae

Convolvulus althaeoides
Convolvulus althaeoides subsp. *tenuissimus*
Convolvulus arvensis

Crassulaceae

Rosularia serrata
Sedum littoreum
Umbilicus luteus
Umbilicus rupestris

Cucurbitaceae

Ecballium elaterium

Cytinaceae

Cytinus hypocistus
Cytinus ruber

FERNS & ALLIES

Arabian Fumana
 a Fumana
 Spotted Rock-rose

Daisy Family

-
 Rayless Chamomile
 Woolly Chamomile
 Southern Daisy
 Wild Marigold
 Plymouth Thistle
 Slender Thistle
 Cornflower
 Chicory
 Crupina
 A Leopard's-bane
 Crown Daisy
 Crown Daisy
 Corn Marigold
 Hedypnois
 -
 Scented Mayweed
 Syrian Thistle
 Pallenis
 Phagnalon
 Shrubby Ptilostemon
 Star Hawkbit
 -
 Milk Thistle
 Smooth Sowthistle
 a Goat's-beard
 a Goat's-beard
 Salsify
 -

Bindweed Family

Mallow-leaved Bindweed
 -
 Field Bindweed

Stonecrop Family

-
 -
 A Pennywort
 Wall Pennywort

Gourd Family

Squirting Cucumber

Cytinus Family

Cytinus
 -

Above Limnionas
 Above Limnionas
 W of Potami Beach

Karlovasi
 Karlovasi
 Psili Amos
 Potami Beach
 Ydroussa
 Ydroussa
 Karlovasi
 Ambelos Mountains
 W of Samos Town
 W of Potami Beach
 Ambelos Mountains
 Karlovasi
 Karlovasi
 Ydroussa
 Ydroussa
 Potami Beach
 Karlovasi
 Temple of Hera
 Above Plaka
 W of Potami Beach
 Potami Beach
 W of Potami Beach
 Ambleos Mountains
 Mykali Beach
 Psili Amos
 Near Pyrgos
 Near Pyrgos
 Karlovasi
 Karlovasi

Above Plaka
 Ydroussa
 temple of Hera

W of Potami Beach
 Potami Beach
 Potami Beach
 Ydroussa

Karlovasi

Above Palechori
 near Marathakambos

PTERIDOPHYTES**Ericaceae**

Arbutus andrachne
Arbutus unedo
Erica arborea

Euphorbiaceae

Euphorbia acanthothamnus
Euphorbia characias subsp. *characias*
Euphorbia exigua
Euphorbia helioscopia
Euphorbia peplus
Mercurialis annuus

Frankeniaceae

Frankenia laevis

Gentianaceae

Blackstonia perfoliata
Centaureum maritimum
Centaureum pulchellum

Geraniaceae

Erodium cicutarium
Erodium gruinum
Erodium malacoides
Erodium moschatum
Geranium columbinum
Geranium lucidum
Geranium molle
Geranium purpureum
Geranium rotundifolium

Hypericaceae

Hypericum empetrifolium

Juglandaceae

[*Juglans regia*]

Lamiaceae

Ajuga chamaepitys subsp. *chia*
Ballota pseudodictamnus
Lamium amplexicaule
Lamium bifidum
Lamium moschatum
Lavandula stoechas
Micromeria graeca
Origanum onites (*O. heracleoticum*)
Phlomis fruticosa
Prasium majus
Salvia fruticosa
Salvia sclarea
Satureja thymbra

FERNS & ALLIES**Heather Family**

Eastern Strawberry Tree Above Plaka
 Strawberry Tree Near Marathakambos
 Tree Heather W of Potami Beach

Spurge Family

Greek Spiny Spurge Near Pyrgos
 Large Mediterranean Spurge Roadsides
 Dwarf Spurge Above Pyrgos
 Sun Spurge Karlovasi
 Petty Spurge W of Potami Beach
 Annual Mercury Karlovasi

Sea-heath Family

Sea-heath Karlovasi

Gentian Family

Yellow-wort W of Potami Beach
 Seaside Centaury W of Potami Beach
 Lesser Centaury W of Potami Beach

Geranium Family

Common Stork's-bill Ydroussa
 Long-beaked Stork's-bill Near Marathokambos
 Mallow-leaved Stork's-bill Ydroussa
 Musk Stork's-bill Ydroussa
 Long-stalked Crane's-bill W of Potami Beach
 Shining Crane's-bill Above Limnionas
 Dove's-foot Crane's-bill Ydroussa
 Little Robin Above Plaka
 Round-leaved Crane's-bill Karlovasi

St. John's-wort Family

- W of Potami Beach

Walnut Family

Walnut Ydroussa

Dead-nettle Family

a Ground-pine Above Plaka
 Shrubby Horehound Psili Amos
 Henbit Dead-nettle Karlovasi
 - Ambelos Mountains
 - Near the Triadas Monastery
 French Lavender Ydroussa
 - W of Potami Beach
 - Above Plaka
 Jerusalem Sage Ambelos Mountains
 Prasium W of Potami Beach
 Three-leaved Sage Common
 Clary W of Samos Town
 Satureia N of Hora

PTERIDOPHYTES

Sideritis curvidens (S. clandestina)
Teucrium chamaedrys
Teucrium polium agg.
Vitex agnus-castus

Leguminosae

Anagyris foetida
Bitumaria bituminosa
Calycotome villosa
Ceratonia siliqua
Cercis siliquastrum
Coronilla scorpioides
Dorycnium hirsutum
Genista acanthoclada
Hippocrepis emerus
Hippocrepis unisiliquosa
Hymenocarpus circinnatus
Lathyrus anuus
Lathyrus cicera
Lathyrus clymenum
Lathyrus gorgonei
Lathyrus hirsutus
Lathyrus setifolius
Lotus tetragonolobus (T. purpureus)
Medicago arabica
Medicago arborea
Medicago minima
Medicago monspelica
Medicago orbicularis
Medicago polymorpha
Medicago rugosa
Medicago scutellata
Melilotus indicus
Melilotis messanensis
Onobrychis aequidentata
Onobrychis arenaria
Onobrychis caput-galli
Ononis viscosa subsp. *breviflora*
[Robinia pseudoacacia]
Scorpiurus muricatus
Securigera cretica
Securigera securidaca
Spartium junceum
Trifolium angustifolium
Trifolium boissieri
Trifolium campestre
Trifolium clypeatum
Trifolium grandiflorum (T. speciosum)
Trifolium nigrescens
Trifolium pilulare
Trifolium purpureum
Trifolium repens

FERNS & ALLIES

-
 Wall Germander
 Felty Germander
 Chaste Tree

Pea Family

Bean Trefoil
 Pitch Trefoil
 -
 Carob
 Judas Tree
 Annual Scorpion-vetch
 -
 -
 a Scorpion-vetch
 -
 Disc Trefoil
 Annual Vetchling
 -
 -
 -
 Hairy Vetchling
 -
 Asparagus Pea
 Spotted Medick
 Tree Medick
 Bur Medick
 -
 Large Disc Medick
 Toothed Medick
 -
 -
 Small Melilot
 -
 A Sainfoin
 A Sainfoin
 Cock's-comb Sainfoin
 a Sticky Rest-harrow
 False Acacia
 Scorpion-vetch
 Small Crown Vetch
 -
 Spanish Broom
 Narrow-leaved Clover
 -
 Hop Trefoil
 Shield Clover
 -
 -
 -
 Purple Clover
 White Clover

Psili Amos
 W of Potami Beach
 Above Limnionas
 Karlovasi (leaves)

 Karlovasi
 Karlovasi
 Above Plaka
 W of Potami Beach
 Above Pyrgos
 Near Triada Monastery
 Near Marathokambos
 W of Potami Beach
 W of Potami Beach
 Near Marathokambos
 Ydroussa
 Mykali Beach
 Ambelos Mountains
 Above Plaka
 Mykali Beach
 Mykali Beach
 Ambelos Mountains
 Mykali Beach
 Ambelos Mountains
 Roadside S of Karlovasi
 Potokaki Beach
 Above Pyrgos
 Ydroussa
 Karlovasi
 Above Pyrgos
 Triadas Monastery
 Karlovasi
 Mykali Beach
 Above Palechori
 Above Plaka
 W of Potami Beach
 W of Potami Beach
 Potami Beach
 Psili Amos
 Near Marathokambos
 Above Plaka
 Common
 Myakie Beach
 Above Plaka
 Above Limnionas
 Common
 W of Potami Beach
 Karlovasi
 Ydroussa
 Karlovasi
 Karlovasi

PTERIDOPHYTES

Trifolium resupinatum
Trifolium scabrum
Trifolium spumosum
Trifolium stellatum
Trifolium tomentosum
Trifolium uniflorum
Trigonella balansae
Trigonella cariensis
Vicia bithynica
Vicia hybrida
Vicia tetrasperma
Vicia villosa

Linaceae

Linum bienne
Linum catharticum
Linum nodiflorum
Linum strictum

Malvaceae

Althaea hirsuta
Lavatera cretica
Malva cretica
Malva sylvestris

Meliaceae

[*Melia azedarach*]

Mimosaceae

[*Acacia retinoides*]

Moraceae

[*Ficus carica*]

Myrtaceae

[*Eucalyptus camaldulensis*]
 [*Eucalyptus globulus*]

Orobanchaceae

Bartsia (Bellardia) trixago
Orobanche crenata
Orobanche hederaceae
Orobanche minor
Orobanche ramosa
Parentucellia latifolia
Parentucellia viscosa

Oxalidaceae

[*Oxalis corniculatus*]
 [*Oxalis pes-caprae*]

FERNS & ALLIES

Reversed Clover
 Rough Clover
 -
 Starry Clover
 Woolly Clover
 -
 a Fenugreek
 -
 Bithynian Vetch
 Hairy Yellow Vetchling
 Smooth Tare
 Fodder vetch

Flax Family

Pale Flax
 Fairy Flax
 -
 Upright Yellow Flax

Mallow Family

Hairy Mallow
 Cretan Mallow
 -
 Common Mallow

Persian Lilac Family

Indian Bead Tree

Wattle Family

-

Fig Family

Fig

Myrtle Family

River Red Gum
 Blue Gum

Broomrape Family

Bellardia
 Bean Broomrape
 Ivy Broomrape
 Common Broomrape
 Branched Broomrape
 Southern Red Bartsia
 Yellow Bartsia

Sorrel Family

-
 Bermuda Buttercup

Karlovasi
 W of Potami Beach
 Karlovasi
 Common
 W of Potami Beach
 Ambelos Mountains
 Common
 W of Potami Beach
 Above Plaka
 Karlovasi
 Above Plaka
 Above Palechori

Above Plaka
 Ambelos Mountains
 Above Limnionas
 Above Limnionas

Above Plaka
 Karlovasi
 Karlovasi
 Karlovasi

Ydroussa

Roadsides near Hora

Naturalised

Naturalised
 Naturalised

Common
 Ydroussa
 Potami Beach
 Above Palechori
 Karlovasi
 Ambelos Mountains
 Potokaki Beach

Astir Hotel, Karlovasi
 Very Common

PTERIDOPHYTES**Papaveraceae**

Fumaria macrocarpa
Glaucium flavum
Papaver apulum agg.
Papaver dubium
Papaver hybridum

Plantaginaceae

[*Antirrhinum majus*]
Cymbalaria longipes
Cymbalaria muralis
Linaria chalpensis
Linaria pelisseriana
Misopates orontium
Plantago afra
Plantago arenaria
Plantago coronopus
Plantago cretica
Plantago lagopus
Plantago lanceolata
Plantago maritima
Veronica anagallis-aquatica
Veronica cymbalaria

Plantanaceae

Platanus orientalis

Plumbaginaceae

Limonium sinuatum

Polygonaceae

Rumex bucephalophorus
Rumex crispus
Rumex pulcher
Rumex tuberosus

Primulaceae

Anagallis arvensis subsp. *arvensis*
Cyclamen hederifolium
Lysimachia atropurpurea
Lysimachia punctata

Ranunculaceae

Anemone blanda
Anemone coronaria
Anemone pavonina
Ranunculus arvensis
Ranunculus muricatus

Resedaceae

Reseda alba

FERNS & ALLIES**Poppy Family**

Large-fruited Fumitory
 Yellow Horned Poppy
 -
 Long-headed Poppy
 Rough Poppy

Temple of Hera
 Karlovasi
 Karlovasi
 Karlovasi
 Near the Triadas Monastery

Plantain Family

Snapdragon
 An Ivy-leaved Toadflax
 Ivy-leaved Toadflax
 White Toadflax
 Jersey Toadflax
 Weaselsnout
 A Plantain
 Branched Plantain
 Stag's-horn Plantain
 A Plantain
 Hare's-tail Plantain
 Ribwort Plantain
 Sea Plantain
 Blue Water Speedwell
 White Speedwell

Naturalised - Ydroussa
 Mykali Beach
 Karlovasi
 Ydroussa
 Above Palechori
 W of Potami Beach
 Psili Amos
 W of Potami Beach
 Potokaki Beach
 W of Potami Beach
 Karlovasi
 Ydroussa
 Psili Amos
 Karlovasi
 Karlovasi

Plane Tree Family

Plane Tree

Ydroussa

Thrift Family

Winged Sea Lavender

Psili Amos

Dock Family

Horned Dock
 Curled Dock
 Fiddle Dock
 -

Psili Amos
 Karlovasi
 Ydroussa
 W of Potami Beach

Primrose Family

Scarlet Pimpernel
 Ivy-leaved Sowbread
 -
 Dotted Loosestrife

Karlovasi
 Common (leaves)
 Above Pyrgos
 Above Pyrgos

Buttercup Family

-
 Crown Anemone
 Peacock Anemone
 Corn Buttercup
 -

Ambelos Mountains
 Near the Triadas Monastery
 Near Kastania
 Near the Triadas Monastery
 Near the Triadas Monastery

Mignonette Family

White Mignonette

Temple of Hera

PTERIDOPHYTES**Rhamnaceae***Rhamnus alaternus***Rosaceae***Crataegus orientalis* (*C. laciniatus*)[*Prunus dulcis*]*Sanguisorba verrucosa**Sarcopoterium spinosum***Rubiaceae***Cruciata laevipes**Galium aparine**Galium mollugo**Rubia tinctorum**Sherardia arvensis**Valantia hispida***Rutaceae**[*Citrus limon*][*Citrus sinensis*]**Santalaceae***Osyris alba***Scrophulariaceae***Verbascum sinuatum***Solanaceae***Hyoscyamus albus**Nicotiana glauca***Styracaceae***Styrax officinalis***Thymelaeaceae***Thymelaea tartonraira***Ulmaceae***Ulmus canescens***Urticaceae***Parietaria cretica**Parietaria diffusa**Parietaria officinalis**Urtica urens***Vitaceae**[*Vitus vinifera*]**Zygophyllaceae***Zygophyllum fabago***FERNS & ALLIES****Buckthorn Family**

Mediterranean Buckthorn

W of Potami Beach

Rose Family

Almond

-

Thorny Burnet

near Kastania

Naturalised

Psili Amos

Common

Bedstraw Family

Crosswort

Cleavers

Hedge Bedstraw

Madder

Field Madder

Valantia

Ambelos Mountains

W of Potami Beach

Above Pyrgos

Karlovasi

Karlovasi

Near Kastania

Rue Family

Lemon

Orange

Planted

Planted

Sandalwood Family

Osyris

Above Plaka

Figwort Family

-

Karlovasi

Nightshade Family

White Henbane

Shrub Tobacco

Karlovasi

Near Marathokambos

Storax Family

Storax

Near Marathokambos

Daphne Family

-

Above Palchori

Elm Family

Mediterranean Elm

Karlovasi

Nettle Family

Cretan Pellitory

a Pellitory-of-the-Wall

Large Pellitory-of-the-Wall

Annual Nettle

Potami Beach

Karlovasi

Near the Triadas Monastery

Karlovasi

Vine Family

Vine

Naturalised at Karlovasi

Caltrop Family

Syrian Bean Caper

Potokaki Beach (leaves)

PTERIDOPHYTES**Monocots****Amaryllidaceae**

Allium ampeloprasum
Allium neapolitanum
Allium roseum
Allium subhirsutum
Pancratium maritimum

Araceae

Arisarum vulgare
Arum dioscoridis
Dracunculus vulgaris

Asparagaceae

Asparagus acutifolius
Bellevalia trifoliata
Drimia (Urginea) maritima
Leopoldia (Muscari) comosa
Muscari neglectum
Ornithogalum narbonense
Ruscus aculeatus

Cyperaceae

Carex distans
Carex divisa
Cyperus capitatus

Dioscoreaceae

Dioscorea (Tamus) communis

Iridaceae

Gladiolus illyricus
Gladiolus italicus
Iris attica

Juncaceae

Juncus acutus
Schoenus nigricans
Scirpoides holoschoenus

Liliaceae

Fritillaria bithynica
Gagea graeca

Orchidaceae

Anacamptis (Orchis) coriophora
Anacamptis (Orchis) laxiflora
Anacamptis (Orchis) picta
Anacamptis pyramidalis
Anacamptis (Orchis) sancta
Dactylorhiza romana

FERNS & ALLIES**Monocotyledons****Daffodil Family**

Wild Leek Above Plaka
 Naples Garlic Near Marathokambos
 Rosy Garlic Psili Amos
 - Near Kastania
 Sea Daffodil Mykali Beach (leaves)

Arum Family

Friar's Cowl W of Potami Beach (leaves)
 - Temple of Hera
 Dragon Arum Near Kastania

Asparagus Family

Sharp-leaved Asparagus Ydroussa
 A Bellevalia Triadas Monastery
 Sea Squill Common (leaves)
 Tassel Hyacinth Common
 Grape Hyacinth Ambelos Mountains
 - Psili Amos
 Butcher's-broom W of Potami Beach

Sedge Family

Distant Sedge Mykali Beach
 Divided Sedge Psili Amos
 - Potokaki Beach

Yam Family

Black Bryony Ydroussa

Iris Family

Wild Gladiolus Above Pyrgos
 Field Gladiolus Near the Triadas Monastery
 - Ambelos Mountains

Rush Family

Sharp Rush Psili Amos
 Black Bog Rush Psili Amos
 Round-headed Clubrush Potokaki Beach

Lily Family

A Fritillary Ambelos Mountains (in fruit)
 A White Star-of-Bethlehem Above Palechori

Orchid Family

Bug Orchid Above Limnionas
 Lax-flowered Orchid Triadas Monastery
 Mediterranean Green-winged Orchid Above Palechori
 Pyramidal Orchid Above Limnionas
 Holy Orchid Above Limnionas
 Roman Orchid Ambelos Mountains

PTERIDOPHYTES

Epipactis densifolia
Himantoglossum robertianum
Limodorum abortivum
Neotinea maculata (*Orchis intacta*)
Neotinea (*Orchis*) *tridentata*
Ophrys apifera subsp. *apifera*
Ophrys bombyliflora
Ophrys fuciflora subsp. *fuciflora* (*O. episcopalis*)
Ophrys fusca subsp. *fusca*
Ophrys fusca subsp. *iricolor*
Ophrys lutea subsp. *galilaea* (*O. sicula*)
Ophrys reinholdii
Ophrys scolopax subsp. *coruta*
Ophrys scolopax subsp. *heldreichii*
Ophrys scolopax subsp. *scolopax* (*O. ceto*)
Ophrys speculum subsp. *regis-ferdinandii*
Ophrys sphegodes subsp. *mammosa*
Ophrys umbilicata
Orchis anatolica
Orchis italica
Orchis mascula subsp. *mascula* (*O. pinetorum*)
Serapias bergonii
Serapias orientalis subsp. *orientalis* (*S. carica*)
Serapias parviflora
Serapias vomeracea

Poaceae

Anisantha diandra
Anisantha madritensis
Anisantha rigidus
Anisantha sterilis
Anisantha tectorum
Arundo donax
Avena barbata
Avena sterilis
Brachypodium retusum
Briza maxima
Briza minor
Catapodium maritimum
Catapodium rigidum
Cynodon dactylon
Hordeum murinum
Hyparrhenia hirta
Imperata cylindrica
Lagurus ovatus
Melica ciliata
Phragmites australis
Poa annua
Poa bulbosa var. *vivipara*
Polypogon monspeliensis
Rostraria cristata
Secale cereale

FERNS & ALLIES

Dense-leaved Helleborine
Giant Orchid
Violet Bird's-nest Orchid
Dense-flowered Orchid
Toothed Orchid
Bee Orchid
Bumblebee Orchid
Late Spider Orchid
Sombre Bee Orchid
Rainbow Ophrys
Small Yellow Ophrys
Reinhold's Bee Orchid
A Woodcock Orchid
Heldreich's Ophrys
-
A Mirror Orchid
An Early Spider Orchid
-
Anatolian Orchid
Naked Man Orchid
An Early Purple Orchid
A Tongue Orchid
A Tongue Orchid
Small-flowered Tongue Orchid
Ploughshare Tongue Orchid

Grass Family

Great Brome
Madrid Brome
Rigid Brome
Barren Brome
Drooping Brome
Giant Reed
Bristle Oat
Winter Wild Oat
Mediterranean False Brome
Great Quaking Grass
Annual Quaking Grass
Sea Fern-grass
Fern-grass
Bermuda Grass
Wall Barley
-
-
Hare's-tail Grass
-
Common Reed
Annual Meadow-grass
Bulbous Meadow-grass
Annual Beard-grass
-
Spelt

Ydroussa
Near Marathokambos (over)
Ydroussa
W of Potami Beach (over)
Above Pyrgos
Mykali Beach
Mykali Beach
W of Potami Beach
Near Marathokambos
Above Plaka
Above Plaka
Near Kastania
Triadas Monastery
Near Kastania
Ambelos Mountains
Above Limnionas
Near Marathokambos
Triadas Monastery
Near Marathokambos
Near Kastania
Ambelos Mountains
Triadas Monastery
Above Plaka
Psili Amos
Mykali Beach

Mykali Beach
Ydroussa
Psili Amos
Near the Triadas Monastery
Psili Amos
Mykali Beach
Karlovasi
Karlovasi
W of Potami Beach
Common
Mykali Beach
Potokaki Beach
Potokaki Beach
Kambos
Karlovasi
Common
Mykali Beach
Mykali Beach
Potami Beach
Mykali Beach
Karlovasi
Near Kastania
Karlovasi
Karlovasi
Karlovasi

PTERIDOPHYTES

FERNS & ALLIES

Vulpia bromoides

Squirrel-tail Fescue

W of Potami Beach

Posidoniaceae**Posidonia Family***Posidonia oceanica*

Posidonia

Mykali Beach

Smilacaceae**Smilax Family***Smilax aspera*

Smilax

Karlovasi

Xanthorrhoeaceae**Asphodel Family***Asphodelus aestivus*

Common Asphodel

Near Marathokambos

Asphodelus ramosus

-

S of Marathokambos

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

	Common name	Scientific name	April									
			15	16	17	18	19	20	21	22	23	
1	Ruddy Shelduck	<i>Tadorna ferruginea</i>				✓						
2	Chukar Partridge	<i>Alectoris chukar</i>			H		✓		✓		✓	
3	Scopoli's Shearwater	<i>Calonectris diomedea</i>							✓	✓		
4	Black Stork	<i>Ciconia nigra</i>					✓					
5	Glossy Ibis	<i>Plegadis falcinellus</i>				✓						
6	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>									✓	
7	Squacco Heron	<i>Ardeola ralloides</i>				✓	✓					
8	Little Egret	<i>Egretta garzetta</i>				✓	✓					
9	European Shag	<i>Phalacrocorax aristotelis</i>								✓		
10	Short-toed Snake Eagle	<i>Circaetus gallicus</i>								✓		
11	Eurasian Sparrowhawk	<i>Accipiter nisus</i>					✓					
12	Western Marsh Harrier	<i>Circus aeruginosus</i>				✓	✓					
13	Long-legged Buzzard	<i>Buteo rufinus</i>					✓					
14	Common Buzzard	<i>Buteo buteo</i>						✓				
15	Eurasian Coot	<i>Fulica atra</i>				✓						
16	Black-winged Stilt	<i>Himantopus himantopus</i>				✓						
17	Little Ringed Plover	<i>Charadrius dubius</i>					✓				✓	
18	Kentish Plover	<i>Charadrius alexandrinus</i>					✓					
19	Wood Sandpiper	<i>Tringa glareola</i>		✓		✓	✓	✓		✓	✓	
20	Common Sandpiper	<i>Actitis hypoleucos</i>					✓	✓	✓	✓	✓	
21	Ruff	<i>Philomachus pugnax</i>					✓				✓	
22	Audouin's Gull	<i>Ichthyiaetus audouinii</i>								✓		
23	Yellow-legged Gull	<i>Larus michahellis</i>		✓	✓	✓	✓	✓	✓	✓	✓	
24	Rock Dove 'Feral'	<i>Columba livia 'feral'</i>		✓	✓	✓	✓	✓	✓	✓	✓	
25	Common Wood Pigeon	<i>Columba palumbus</i>			✓	✓	✓	✓	✓			
26	Eurasian Collared Dove	<i>Streptopelia decaocto</i>		✓	✓	✓	✓	✓	✓	✓	✓	
27	Tawny Owl	<i>Strix aluco</i>						H				
28	Little Owl	<i>Athene noctua</i>					✓					
29	Alpine Swift	<i>Tachymarptis melba</i>			✓					✓		
30	Common Swift	<i>Apus apus</i>		✓	✓	✓	✓	✓	✓	✓	✓	
31	Pallid Swift	<i>Apus pallidus</i>			✓					✓		
32	European Bee-eater	<i>Merops apiaster</i>								H		
33	Common Kestrel	<i>Falco tinnunculus</i>		✓	✓	✓	✓					
34	Red-footed Falcon	<i>Falco vespertinus</i>								✓	✓	
35	Woodchat Shrike	<i>Lanius senator</i>		✓	✓	✓	✓		✓	✓	✓	

	Common name	Scientific name	April									
			15	16	17	18	19	20	21	22	23	
36	Masked Shrike	<i>Lanius nubicus</i>							✓			
37	"Black-capped" Eurasian Jay	<i>Garrulus glandarius samios</i>		✓	✓	✓	✓	✓	✓	✓	✓	
38	Western Jackdaw	<i>Corvus monedula</i>					✓					
39	Hooded Crow	<i>Corvus cornix</i>		✓	✓	✓	✓	✓	✓	✓	✓	
40	Northern Raven	<i>Corvus corax</i>				✓		✓		H		
41	Coal Tit	<i>Periparus ater</i>								H		
42	Great Tit	<i>Parus major aphrodite</i>		✓	✓	✓	✓	✓	✓	✓	✓	
43	Eurasian Skylark	<i>Alauda arvensis</i>					H					
44	Crested Lark	<i>Galerida cristata</i>				✓	✓	✓		✓	✓	
45	Greater Short-toed Lark	<i>Calandrella brachydactyla</i>					✓				✓	
46	Barn Swallow	<i>Hirundo rustica</i>		✓	✓	✓	✓	✓	✓	✓	✓	
47	Common House Martin	<i>Delichon urbicum</i>		✓	✓	✓	✓	✓	✓	✓	✓	
48	Red-rumped Swallow	<i>Cecropis daurica</i>		✓		✓	✓	✓	✓	✓	✓	
49	Cetti's Warbler	<i>Cettia cetti</i>					H				✓	
50	Eurasian Reed Warbler	<i>Acrocephalus scirpaceus</i>				H	H				H	
51	Eastern Olivaceous Warbler	<i>Iduna pallida</i>			✓	✓	✓	✓	✓	✓	H	
52	Zitting Cisticola	<i>Cisticola juncidis</i>				✓	✓				✓	
53	Common Whitethroat	<i>Sylvia communis</i>						✓	H	H		
54	Sardinian Warbler	<i>Sylvia melanocephala</i>					H	✓	✓	H	✓	
55	Rüppell's Warbler	<i>Sylvia ruppeli</i>			✓				✓			
56	Eurasian Wren	<i>Troglodytes troglodytes</i>								H		
57	Common Blackbird	<i>Turdus merula</i>		✓	✓	✓	✓	✓	✓	✓	✓	
58	Mistle Thrush	<i>Turdus viscivorus</i>							✓			
59	European Robin	<i>Erithacus rubecula</i>			H							
60	European Pied Flycatcher	<i>Ficedula hypoleuca</i>							✓			
61	Whinchat	<i>Saxicola rubetra</i>		✓			✓		✓		✓	
62	Northern Wheatear	<i>Oenanthe oenanthe</i>							✓			
63	Isabelline Wheatear	<i>Oenanthe isabellina</i>					✓		✓			
64	House Sparrow	<i>Passer domesticus</i>		✓	✓	✓	✓	✓	✓	✓	✓	
65	Spanish Sparrow	<i>Passer hispaniolensis</i>		✓	✓	✓	✓	✓	✓	✓	✓	
66	Yellow (Blue-headed) Wagtail	<i>Motacilla flava flava</i>								✓		
	Yellow (Black-headed) Wagtail	<i>Motacilla flava feldegg</i>		✓	✓		✓			✓	✓	
	Yellow (Grey-headed) Wagtail	<i>Motacilla flava thunbergi</i>		✓	✓	✓		✓		✓	✓	
67	Citrine Wagtail	<i>Motacilla citreola</i>				✓	✓					
68	White Wagtail	<i>Motacilla alba</i>		✓	✓	✓	✓	✓	✓	✓	✓	
69	Tawny Pipit	<i>Anthus campestris</i>					✓					
70	Meadow Pipit	<i>Anthus pratensis</i>						✓		✓		
71	Red-throated Pipit	<i>Anthus cervinus</i>									✓	
72	Common Chaffinch	<i>Fringilla coelebs</i>			H	H	H	H	✓	H	H	
73	European Greenfinch	<i>Chloris chloris</i>		H	✓	✓	✓	✓		H	✓	
74	European Goldfinch	<i>Carduelis carduelis</i>			✓							
75	European Serin	<i>Serinus serinus</i>			✓	✓			✓			
76	Corn Bunting	<i>Emberiza calandra</i>				✓	✓				✓	
77	Ortolan Bunting	<i>Emberiza hortulana</i>					✓					
78	Cretzschmar's Bunting	<i>Emberiza caesia</i>					✓		✓			
79	Black-headed Bunting	<i>Emberiza melanocephala</i>									✓	

Butterflies

1	Swallowtail	<i>Papilio machaon</i>		✓	✓	✓	✓	✓	✓	✓	
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			15	16	17	18	19	20	21	22	23	
2	Scarce Swallowtail	<i>Iphiclides podalirius</i>			✓	✓	✓	✓	✓	✓		
3	Samos Eastern Festoon	<i>Zerynthia cerisy cerisy</i>		✓	✓	✓	✓	✓	✓	✓		
5	Large White	<i>Pieris brassicae</i>		✓	✓	✓	✓	✓	✓	✓	✓	
6	Small White	<i>Pieris rapae</i>		✓	✓		✓	✓	✓	✓	✓	
7	Eastern Bath White	<i>Pontia edusa</i>			✓	✓	✓	✓	✓	✓		
8	Orange Tip	<i>Anthocharis cardamines</i>			✓			✓				
9	Clouded Yellow	<i>Colias crocea</i>		✓	✓	✓	✓	✓	✓	✓	✓	
10	Cleopatra	<i>Gonepteryx cleopatra</i>								✓		
11	Wood White	<i>Leptidea sinapis</i>						✓				
13	Green Hairstreak	<i>Callophrys rubi</i>			✓		✓	✓				
14	Small Copper	<i>Lycaena phlaeas</i>					✓	✓	✓	✓		
15	Sooty Copper	<i>Lycaena tityrus</i>							✓			
16	Long-tailed Blue	<i>Lampides boeticus</i>			✓							
17	Green-underside Blue	<i>Glaucopsyche alexis</i>			✓	✓			✓			
18	Brown Argus	<i>Aricia agestis</i>				✓						
19	Common Blue	<i>Polyommatus icarus</i>				✓	✓	✓	✓			
21	Southern White Admiral	<i>Limenitis reducta</i>					✓		✓			
22	Large Tortoiseshell	<i>Nymphalis polychloros</i>			✓	✓				✓		
23	Red Admiral	<i>Vanessa atalanta</i>						✓	✓			
24	Painted Lady	<i>Vanessa cardui</i>		✓	✓	✓	✓	✓	✓	✓	✓	
25	Lesser Spotted Fritillary	<i>Melitaea trivia</i>				✓	✓					
27	Aegean Meadow Brown	<i>Maniola telmessia</i>		✓				✓	✓	✓	✓	
28	Speckled Wood	<i>Pararge aegeria aegeria</i>			✓			✓		✓		
29	Wall Brown	<i>Lasiommata megera</i>								✓		
31	Orbed Red Underwing Skipper	<i>Spialia orbifer</i>							✓			
32	Mallow Skipper	<i>Carcharodus alceae</i>			✓	✓	✓	✓				
33	Lulworth Skipper	<i>Thymelicus acteon</i>				✓						
34	Pygmy Skipper	<i>Gegenes pumilio</i>				✓						

Macro Moths

1	Yellow Shell	<i>Camptogramma bilineata</i>								✓	
2	Straw Belle	<i>Aspitates gilvaria</i>			✓						
3	Hummingbird Hawkmoth	<i>Macroglossum stellatarum</i>								✓	
4	Cream-spot Tiger	<i>Arctia villica</i>			✓					✓	
5	Silver-Y	<i>Autographa gamma</i>								✓	
6	Four-spotted	<i>Tyta luctuosa</i>					✓	✓			

Other Invertebrates (N = Nymph)

1	Broad Scarlet	<i>Crocothemis erythraea</i>				✓					
2	Broad-bodied Chaser	<i>Libellula depressa</i>				✓					
3	Red-winged Grasshopper	<i>Oedipoda germanica</i>						✓	✓		
4	Egyptian Grasshopper	<i>Anacridium aegyptium</i>					✓				
5	Speckled Bushcricket	<i>Leptophyes punctatissima</i>			N						
6	a Conehead	<i>Conocephalus sp.</i>			N						
7	Wart-biter Bush-cricket	<i>Decticus verrucivorus</i>			✓						
8	Roesel's Bush-cricket	<i>Metrioptera brachyptera</i>								✓	
9	American Cockroach	<i>Periplaneta americana</i>					✓				
10	Shield Bug	<i>Graphosoma lineatum (italicum)</i>							✓	✓	
11	Fire Bug	<i>Pyrrhocoris apterus</i>					✓				

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12	Assassin Bug	<i>Reduviidae sp</i>			✓						
13	Robber Fly	<i>Asilidae sp.</i>			✓						✓
14	European Paper Wasp	<i>Polistes gallicus</i>					✓				
15	Carpenter Bee	<i>Xylocopa sp.</i>		✓	✓	✓	✓	✓		✓	✓
16	Buff-tailed Bumblebee	<i>Bombus terrestris</i>				✓	✓	✓	✓	✓	
17	Honey Bee	<i>Apis mellifera</i>		✓	✓	✓	✓	✓	✓	✓	✓
18	Violet Ground Beetle	<i>Carabus violaceus</i>					✓	✓	✓	✓	✓
19	Devil's Coach-horse Beetle	<i>Staphylinus oleris</i>			✓						
20	Cockchafer	<i>Melolontha melolontha</i>							✓		
21	Chafer	<i>Oxythyrea funesta</i>			✓					✓	✓
22	Pollen Beetle	<i>Tropinota squalida</i>			✓						
23	Garden Click Beetle	<i>Athous lineatus</i>							✓		
24	Leaf Beetle (Green)	<i>Chrysomelidae sp.</i>						✓			
25	Giant Centipede	<i>Scolopendra cingulatus</i>			✓		✓		✓		
26	Pill Millipede	<i>Glomeris marginata</i>						✓			
27	Pill Woodlouse	<i>Armadillidium vulgare</i>						✓			
28	Flat-backed Millipede	<i>Melaphe vestita</i>						✓		✓	
29	Millipede	<i>Tachypodoiulus niger</i>		✓	✓			✓	✓	✓	
30	Red Spider Mite	<i>Panonychus ulmi</i>					✓				✓
31	Yellow-brown Scorpion	<i>Mesobuthus gibbosus</i>					✓				
32	False Widow	<i>Streatodea paykulliana</i>							✓	✓	
33	Labyrinth Spider	<i>Agelena labyrinth</i>						✓			
34	Nursery-web Spider	<i>Pisaura mirabilis</i>			✓				✓	✓	
35	Trapdoor Spider	<i>Cteniza sp.</i>						✓			
36	Jumping Spider	<i>Philaeus chrysops</i>									

Molluscs

1	Brown-lipped Banded Snail	<i>Cepaea nemoralis</i>						✓			
2	Garden Snail	<i>Cornu aspersum</i>						✓			

Mammals

1	Eastern Hedgehog	<i>Erinaceus concolor</i>							✓		
2	Golden Jackal	<i>Canis aureus</i>							H		

Amphibians & Reptiles

1	Levant's Water Frog	<i>Pelophylax bedriagae</i>				H			H		
2	Balkan Terrapin	<i>Mauremys rivulata</i>					✓				
3	Starred Agama	<i>Laudakia stellio</i>					✓		✓		✓
4	Anatolian Rock Lizard	<i>Lacerta anatolica</i>									✓
5	Balkan Green Lizard	<i>Lacerta trilineata</i>		✓							
6	Snake-eyed Lizard	<i>Ophisops elegans</i>				✓		✓	✓	✓	✓
7	Worm Snake	<i>Typhlops vermicularis</i>					✓				
8	Dwarf Snake	<i>Eirenis modestus</i>					✓				
9	Ottoman Viper	<i>Montivipera xanthina</i>				✓					