The Island of Samos

Naturetrek Tour Report

23 April to 1 May 2010



Ophrys heldreichii by Paul Harmes



Antlion - Nemoptera sinuate - by Ben Darvill



Mantis - Empusa pennata - by Ben Darvill



Masked Shrike – by Ben Darvill

Photographs by Ben Darvill and Paul Harmes

Report compiled by Paul Harmes



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Days 1 & 2

Friday 23rd - Saturday 24th April

Fine, warm and sunny, with a breeze

Six group members met Paul at Heathrow for the 22-15hrs Olympic Airlines flight to Athens. Having lost two hours with the change in time zones, it was not too long before we were able to join our flight to Samos, arriving at the islands' airport at 07-10hrs local time. Having retrieved our luggage, we made our way to the car park to find our minibus. Loading the bags into the bus, we set off for the hotel Astir in Karlovassi, which was to be our base for the next eight days. The journey took us about 45 minutes and we were greeted by Theo and his mother, our hosts. Rooms were quickly allocated and after a tasty continental breakfast the travellers retired to their beds for a well earned siesta.

Suitably refreshed, the group boarded the minibus at 12.30pm and we headed down to the local supermarket to purchase our picnic, before driving west past the harbour to the beach at Potami. The sky was clear with a light wind, but was strengthening. Setting up our picnic on the beach, we soon noticed a few Yelkouan and Scopoli's Shearwaters a good distance out to sea. Common Swifts and Western Yellow-legged Gulls were also recorded. On the beach, *Cakile maritima* (Sea Rocket), *Matthiola tricuspidata* (Three-horned Stock) and *Malcolmia maritima* (Virginia Stock) were also found. As we ate our picnic lunch, a single Mediterranean Monk Seal was spotted moving west along the coast, occasionally surfacing to breathe.

After lunch, we set off on our first walk to the Potami waterfalls. However, it was not long before the first meadow attracted attention of the botanists and lepidopterists in the party, with butterflies including Aegean Meadow Brown, False Apollo, Scarce Swallowtail and Swallowtail. There were also a number of the curious nymphs of the Empusa Mantis. Amongst the grass we also found *Ophrys episcopalis* (Large-flowered Bee Orchid) and *Ptilostemon chamaepeuce (Shrubby Ptilostemon), Scrophularia heterophylla (a Figwort) and Papaver apulum* (a Poppy). A little further on, we spotted *Onithogalum arabicum (a Star of Bethlehem) and Allium subhirsutum (Hairy Garlic)*, together with *Pistacia lentiscus* (Mastic Tree) and *Pistacia terebinthus* (Turpentine Bush). Paul explained how to tell these two similar species apart. The path up to the waterfall gave us our first glimpse of the Agama Lizard rapidly disappearing into gaps in the walls.

After returning to the hotel we made the short excursion into the series of vineyards and vegetable fields which lie just behind the hotel. A mixed group of Yellow Wagtails, a solitary Black-headed Bunting and Whinchat were among the birds seen. By 18-00hrs the effects of the overnight flight had begun to tell, so we headed back to the hotel to prepare for dinner.

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Day 3

Sunday 25th April

Windy, but fine and sunny

A small group gathered at 07-00hrs to check the vine and vegetable fields at the side of the hotel for morning migrants. Woodchat Shrike, Spanish Sparrows and Wood Sandpiper were all recorded. Following our continental breakfast we loaded the minibus and headed to the supermarket to buy our provisions for the day before heading south towards Pyrgos, where we climbed into the Ambelos Mountains. We made a stop on the main road, just west of Pyrgos, finding *Anchusa azurea* (Large Blue Alkanet) and three species of Cistus. *Cistus creticus* (a Pink Cistus), *Cistus slavifolius* (Sage-leaved Cistus) and *Cistus parviflorus* (Small-Flowered Cistus). Butterflies included Eastern Dappled White, Sooty Copper and Scarce Swallowtail and the birds seen were Sardinian Warbler and Short-toed Eagle.

Leaving Pyrgos we travelled to Pandroso, and then we started to climb the dirt track towards Profitis Ilias, the second highest point on the island at 1,154m. Most of the area was now regenerating scrub, following a disastrous fire in the autumn of 2001. Prior to that the hillside had been mature pine forest. Short stops produced Black-eared Wheatear, Cretzschmar's Bunting and singing Nightingales as well as *Orchis romana* (Roman Orchid), *Orchis pinetorum* (an Early Purple Orchid), *Orchis simia* (Monkey Orchid) and the large spreading clumps of *Trifolium uniflorum*.

We took time to enjoy this before starting to explore the area further. Ruppell's Warbler and Common Crossbill were added to the bird list as well as a distant calling Woodlark. Plants included *Ophrys ceto* (a Spider Orchid), and *Orchis anatolica* (Anatolian Orchid). Venturing above the tree line, we found *Aethionema saxatile* (Burnt Candytuft), *Iris attica* and *Acantholimon androsaceum*. On the insect front we added Southern and Eastern Festoon Butterflies and Egyptian Grasshopper. Black-eared Wheatear and Common Kestrel also put in an appearance. Suitably satisfied, we returned to the minibuses about 4pm and started the descent. We arrived back at the hotel at 1700hrs where a cool beer or tea was the order of the day for some, and a quick visit to the fields to check for migrants for others – the latter finding Red-backed Shrike and Ruff.

Day 4

Monday 26th April

Fine, sunny and warm

The 7am bird walk to check the fields near the hotel found Eastern Olivaceous Warbler, a mixed flock of Yellow Wagtails, Squacco Heron and Red-backed Shrike. Also a solitary Common Grasshopper Warbler was heard. Plants included *Aristolochia hirta* (a Birthwort), *Equisetum ramosissimum* (Boston Horsetail) and *Clematis cirrhosa* (Maiden's Bower).

After breakfast and the usual visit to the supermarket we headed 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 were immediately confronted by a good stand of *Orchis sancta* (Holy Orchid). Ruddy Shelducks that breed by the lake took flight and flew around calling. Also on the lake margins there were a Little Egret, Grey Heron and Black-winged Stilts.

Overhead we heard the cat-like calls of Mediterranean Gulls, although, we could not see them, and Glossy Ibis flew across the lake from east to west. Additionally, we were very well entertained by a Long-legged Buzzard and splendid pair of Short-toed Eagles. Meanwhile the botanists were hard at work and among the rich array of flora they had found Limonium sinuatum (Winged Sea Lavender), Arum dioscoridis, Parentucellia viscosa (Yellow Bartsia) and Serapias vomeracea (Ploughshare Tongue Orchid). Moving onto the sandy foreshore, we added Silene colorata, Thymus capitata (Capitate Thyme), Centaureum pulchella (Small Centaury) and the emerging flowers of Moraea sisyrinchium (Barbary Nut). Also, on the beach, we watched a Tawny Pipit, particularly difficult to keep tabs on as it blended so well with the drying grasses amongst which it was hunting.

We took our picnic in the shade of the old Salt works, overlooking the lake, before moving off in a westward direction, parking on the beach at Mykali. As we approached the parking spot a Balkan Green Lizard ran across the road and Crested Lark was also spotted. At Mykali, we explored an area of semi-saline fields, some of which showed signs of having been cultivated in the past. *Orchis fragrans* (Bug Orchid), *Orchis sancta* (Holy Orchid), *Ophrys apifera* (Bee Orchid) and *Orobanche crenata* were among the flowers found. The invertebrates at this site were also prolific, with Adonis Blue, Aegean Meadow Brown, Levantine Skipper and Eastern Dappled White among the butterflies and Carpenter Bee and the venomous Giant centipede (*Scolopendra cingulatus*) also. The bird highlight was a pair of Greater Short-toed Larks.

Day 5

Tuesday 27th April

Fine and sunny with a stiff breeze

Today's early bird walk added nothing new to the list. However, the wind had stiffened considerably overnight so this may have been a contributory factor. Nevertheless, we did get splendid views of a pair Black-headed Bunting in a mixed flock of House and Spanish Sparrows.

After a good breakfast, we purchased our lunch at the local supermarket, before we headed north-west past the harbour to Potami where we left our minibuses and started our walk towards the Seitani bays. Our aim was to explore the coastal paths, tracks and olive groves. However, there was a fair amount of road construction going on, but it did not distract us. We began by finding several naturalised specimens of *Cupressus macrocarpa* (Monterey Cypress), *Lotus ornithopodioides* (a Bird's-foot Trefoil) and *Hippocrepis unisiliquosa*, with its curious one-sided pods. Blackbird and Sardinian Warbler, Yellow-legged Gull and a solitary Raven were also noted. Lunch was prepared and eaten among the olives. Whilst we were eating our attention was drawn to a large mixed flock of Common and Alpine Swift. They gave a wonderful aerial display for quite some time, and the whole group had splendid views.

During our walk back to Potami, Chaffinch, Great Tit and Blackbird were regularly heard, but little else was recorded. Plants, however, were interesting with a number of orchid species seen, including *Ophrys episcopalis* (Large-flowered Bee Orchid). We also saw *Gladiolus italicus* (Field Gladiolus), *Euphorbia dendroides* (Tree Spurge), *Hypericum empetrifolia* and *Genista acanthoclada*. We made our way slowly back to Potami and had some welcome refreshments at the little bar.

A short visit to the adjacent small meadow added a number of invertebrates. Scarce Swallowtail, Levantine Skipper and Lesser-spotted Fritillary Butterflies were present and well as a number of Shield Bugs, Egyptian Grasshopper and Hummingbird Hawk Moth. However, we were all agreed that the adult Empusid Mantis stole the show. It was now time to retrace our route back to the hotel to prepare for dinner.

Day 6

Wednesday 28th April

Fine and sunny with wind

Another 7am start to check the fields at the side of the hotel, this time breeze had lightened. Once again, there was little change in the birdlife from the previous day. The Squacco Heron, Little Egrets and Wood Sandpipers were all still present in the river, and the Red-back Shrike and Woodchat Shrike were both on the lookout for breakfast.

After breakfast we shopped for our picnic, then we set off on the road towards Pythagorio. We stopped on a road verge to photograph *Ophrys heldreichii* (Heldreich's Ophrys), *Lithodora zahnii* and *Sarcopoterium spinosum* (Thorny Burnet). As we continued on towards Hora, we spotted Masked Shrike hunting in an olive grove at Koutsi, stopping briefly to watch it. At Hora we turned north up toward Mytilinii, stopping once again to explore a small valley which, as it lies on a north to south line, channels migrating birds to the north side of the island. We saw Long-legged Buzzard and Short-toed Eagle and also found *Dorycnium hirsutum* (Hairy Dorycnium). Continuing on towards Myrtilinii, we took a right hand turn-off towards Agias Triadas. This area is a small valley above Pythagorio and had many cultivated and meadow fields, some of which were ablaze with *Gladiolus italicus* (Field Gladiolus), *Allium nigrum* and *Ranunculus arvensis* (Field Buttercup). In an adjacent field to where we had stopped, there was a large bush and a co-operative Corn Bunting was singing from the top of it. Everyone got a good look at it, and it even allowed one member of the group to approach close enough to get some good photographs. This valley has come to be known as the 'Roller Valley' and it was to prove correct again today. As we approached the monastery, two birds were sat on wires close to the road allowing excellent views, we then became aware of a second pair, displaying in true roller fashion. It was at this point that we set up our picnic lunch.

The lunch was prepared while the group explored the area. Then, as we were enjoying lunch, we were further entertained by displaying European Rollers. As we were clearing away our picnic, Gill suddenly became aware of a snake in the grass. This turned out to be a European Glass Lizard. Paul demonstrated the fact that this species is actually a lizard not a snake. He showed the two rear vestigial legs that are located on either side of the vent. This was not difficult to do as this species invariably 'plays dead' if disturbed. Once we left it alone, it soon moved off to seek shelter in the hollow trunk of a tree. After lunch we did some more exploring and found Ophrys oestrifera (Horned Ophrys), Myrtis communis (Myrtle) and Bellevalia trifoliata. Kestrel, Spanish Sparrow and Short-toed Eagle were also seen.

We now made our way down into Pythagorio to enjoy light refreshments. Suitably refreshed, we called briefly at the Temple of Hera to look at it through the fence. Cetti's Wabler exploded at us from some nearby reeds and Corn Bunting was singing in bushes. Southern Comma was seen basking on a derelict building.

From here, we made our way back to Karlovassi for dinner. Upon our return a Blue Rock Thrush was spotted on a roof near the hotel.

Day 7

Thursday 29th April

Fine, sunny and warm with a light breeze

After breakfast, we did some shopping for our picnic at the supermarket and then headed for the village of Ydroussa, a few kilometres inland, to the east of Karlovassi. Parking the minibuses in the town car park, we shared the picnic out and started along the track toward the village of Kondieka. The path took us past olive groves, some which had, unfortunately, been sprayed with herbicides, but others were rich in flowers. Early finds were *Orchis sancta* (Holy Orchid), *Hymenocarpos circinatus* (Disc Trefoil), *Gladiolus italicus* (Field Gladiolus). Sardinian Warblers and Chaffinch made their presence known as we progressed. Butterflies were well represented and included Marbled Skipper, Eastern Dappled White Swallowtail and Grizzled Skipper. In a stand of pines, we found *Limadorum abortivum* (Violet Bird's-nest Orchid) and also saw a small flock of Long-tailed Tits.

Our picnic lunch was taken in an olive grove, during which Scarce Swallowtail butterfly and a Long-legged Buzzard were seen. As we moved into the afternoon, we added Eleonora's Falcon, Lesser Grey Shrike and Short-toed Eagle, as well as False Apollo butterfly. Additional plants included *Calendula arvensis* (Field Marigold), *Notobasis syriaca* (Syrian Thistle), *Tribulus terrestris* (Small Caltrops), *Dracunculus vulgaris* (Dragon Arum) and *Origanum heracleoticum*. We now made our way back to the minibuses. As we did so, two members of the group were startled by a Beech Marten that crossed the track in front of them. It is not easy to get good sightings of any of this secretive family, so it was very much a bonus to the day. We stopped in Karlovassi to sample some local ice creams, before returning to the hotel.

Day 8 Friday 30th April

Fine, sunny and warm with a light breeze

Our last full day on the island started again with a 7am walk. After breakfast, we did our last lunch shop and headed southwest towards the Marathokambos Bay area. Our first stop was on the top of a hill where we searched for orchids. We not disappointed, finding *Orchis sancta* (Holy Orchid) and *Ophrys sicula* (Yellow Bee Orchid). We continued down to the south coast then turned west towards Kambos and Limnionas. Passing through these villages, we stopped in an area of olive groves above Limnionas, on the lower slopes of Mount Kerketeas in the hope of finding some newly arrived migrants. However, as we got out of our vehicles, it was a mixed flock of Hirundines and Swifts which caught our attention, especially the low-flying Alpine Swifts. Also present were two Eleonora's Falcons and a Long-legged Buzzard. For the botanists there was *Linum nodiflorum*, *Anacamptis pyramidalis* (Pyramidal Orchid), *Onosma graeca* (Golden Drops), *Gladiolas illyricus* (Wild Gladiolus) and *Muscari comosa* (Tassel Hyacinth). We also added Samos Grayling to the butterfly list. As lunch beckoned we again set up our picnic in the shade of an olive grove, utilising the shade from the trees. After our meal we drove down to Limnionas and westward along the coastal track. This area proved quite rich for invertebrates.

Scarce Swallowtail, Aegean Meadow Brown and Meadow Brown Butterflies were recorded together with the Soldier Beetle (*Trichodes alvearius*) the Froghopper (*Cercopis vulnerata*) and the spectacular Ladybird Spider (*Eresus cinnebarinus*). We returned slightly earlier today to allow the group to do some packing before dinner.

Day 9

Saturday 1st May

Fine, sunny and warm

Before breakfast, we took a look at the church in the town where Swifts were nesting before moving on the fields. A flock of thirty Bee-eaters flew over calling and the two Shrikes were still present.

After breakfast, we bid farewell to Theo and his mother, thanking them for their hospitality during our stay. We also said goodbye to Ann and Robert, who were staying on for another week on the island, before making our way to the airport for our flight to Athens and onward to Heathrow.

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Species Lists

Plants

Scientific name Common name Location

PTERIDOPHYTES FERNS & ALLIES

Selaginellaceae **Lesser Clubmoss Family**

Selaginella denticulata Mediterranean Clubmoss West of Potami

Horsetail Family Equisetaceae

Equisetum ramosissimum Branched Horsetail Karlovassi Equisetum telmateia Giant Horsetail Potami

Adiantaceae Maidenhair Fern Family

Anogramma leptophylla Jersey Fern Potami

Aspleniaceae Spleenwort family

Ceterach officinarum Rustyback Potami

Dennstaeditiaceae **Bracken Family**

Pteridium aquilinum Bracken Ydroussa

Polypodium Family Polypodiaceae

Polypodium cambricum Southern Polypody Potami

PINOPSIDA (GYMNOSPERMS) **Conifers**

Cupressaceae **Juniper Family**

West of Potami Cupressus macrocarpa Monterey Cypress Cupressus sempervirens Italian Cypress Common Juniperus oxycedrus Prickly Juniper West of Potami Juniperus phoenicea Phoenician Juniper Potami

Pine Family Pinaceae

Greek Pine Pinus brutia Mount Ambelos

FLOWERING PLANTS MAGNOLIOPSIDA (ANGIOSPERMS)

Magnoliidae (Dicotyledons)

Acanthaceae Bear's-breech Family

Acanthus spinosus Spiny Bear's-breech Karlovassi

Aizoaceae **Dewplant Family**

Carpobrotus acinaciformis Sally-my-handsome Roadside bank near Pyrgos

Anacardiaceae **Sumach Family**

Pistacia lentiscus Mastic Tree Potami Pistacia terebinthus Potami Turpentine Bush

Apiaceae Carrot Family

Ammi visnaga West of Potami

Scientific name Common name Location

Bupleurum rotundifolium **Thorowax** Near the Monastery of Triadas West of Potami Crithmum maritimum Rock Samphire Daucus carota Wild Carrot West of Potami Eryngium campestre Field Eryngo (seedheads) West of Potami Ferula communis Giant Fennel Potami Foeniculum vulgare Fennel Mvkili

Lagoecia cumiboidesLagoeciaWest of PotamiOrlaya grandiflora-West of PotamiScandix pecten-venerisShepherd's-needleWest of PotamiSmyrnium perfoliatumPerfoliate AlexandersPyrgos

Thapsia garganica Thapsia Psili Amos

Tordylium apulum Tordylium Ambelos mountains

Torilis nodosa Knotted Bur-parsley Psili Amos

Aristolochiaceae Birthwort Family

Aristolochia hirta A Birthwort Ambelos mountains

Asteraceae Daisy Family

Anthemis rigida Rayless Chamomile Mykili

Bellis annua Annual Daisy Ambelos mountains

Carduus pycnocephalus Plymouth Thistle Potami

Centaurea cyanusCornflowerAmbelos mountainsCrupina crupinastrumCrupinaWest of PotamiDittrichia viscosusStink AsterPsili Amos

Doronicum orientale Heart-leaved Leopard's-bane Ambelos mountains

Glebionis coronarium var.coronariumCrown DaisyPotamiGlebionis coronarium var.discolorCrown DaisyPotamiGlebionis segetumCorn MarigoldPyrgosHelichrysum orientaleAn EverlastingPotami

Helichrysum stoechasCurry PlantWest of PotamiHyoseris radiataHyoserisWest of PotamiNotohasis syriacaSyrian ThistleWest of Potami

Notobasis syriacaSyrian ThistleWest of PotamiPtilostemon chamaepeuceShrubby PtilostemonPotami

Sonchus oleraceus Smooth Sow-thistle Karlovassi
Tragopogon hybridum A Goat's-beard West of Potami
Tyrimnus leucographus - West of Potami
Urospermum picroides a Urospermum West of Potami

Xanthium spinosum Spiny Cocklebur Karlovassi

Boraginaceae Borage Family

Alkanna lehmaniiDyer's AlkanetAbove LimnionasAnchusa azureaLarge Blue AlkanetNear PyrgosCerinthe majorGreater HoneywortPotami

Cerinthe majorGreater HoneywortPotamiEchium plantagineumPurple Viper's-bugloss

Echium vulgare Viper's-bugloss
Lithodora zahnii - Roadside near Karlovassi

Onosma graeca Golden Drops Above Limnionas

Brassicaceae Cabbage Family

Arabis vernaSpring Rock-cressAmbelos mountainsAubrietia deltoideaAubrietiaAmbelos mountains

Cakile maritima Sea Rocket Potami

Scientific name

Common name

Caper Family

Honeysuckle Family

Location

Capsella bursa-pastoris Hirschfeldia incana Iberis spuneri Lepidium draba Malcolmia maritima Matthiola tricuspidata

Shepherd's Purse Karlovassi
Hoary Mustard Near Pyrgos
A Candytuft Near Pyrgos
Hoary Cress Karlovassi
Virginia Stock Potami
Three-horned Stock Potami

Capparidaceae

Capparis spinosa Caper

Bellflower Family

Campanulaceae Legousia pentagonia

- Psili Amos

Caprifoliaceae

Sambucus nigra Elder Karlovassi

Caryophyllaceae

Petrorhagia prolifera
Polycarpon tetraphyllum
Silene colorata

Silene colorata
Silene dichotoma
Silene gigantea
Silene vulgaris

Pink Family
Proliferous Pink Psili Amos
Four-leaved Allseed Karlovassi
- Psili Amos

Branched Catchfly Common on Roadsides
Giant Catchfly Roadside near Karlovassi
Bladder Campion Fields near Triadas Monastery

Karlovassi

Chenopodiaceae

Atriplex portulacoides
Beta vulgaris subsp. maritima
Chenopodium album
Sarcocornia perennis

Goosefoot Family

Sea Purslane Mykili
Sea Beet Psili Amos
Fat Hen Karlovassi
Perennial Glasswort Mykili

Cistaceae

Cistus creticus Cistus parviflorus Cistus salvifolius **Cistus Family**

Pink Cistus Roadside near Pyrgos Small-flowered Cistus Roadside near Pyrgos Sage-leaved Cistus Roadside near Pyrgos

Clusiaceae

Hypericum empetrifolium Hypericum perforatum St.John's-wort Family

- Potami
Perforate St.John's-wort West of Potami

Convolvulaceae

Convolvulus althaeoides Convolvulus arvensis Convolvulus cantabrica Convolvulus sicula Ipomoea purpurea **Bindweed Family**

Mallow-leaved Convolvulus Psili Amos
Field Bindweed Karlovassi
Pink Convolvulus West of Potami
- Ambelos mountains

Purple Morning Glory Karlovassi

Crassulaceae

Rosularia serrata Sedum sediforme (leaves) Sedum sexangulare Umbilicus rupestris **Stonecrop Family**

- Potami a Stonecrop West of Potami

Tasteless Stonecrop Potami
Wall Pennywort Potami

Scientific name Common name Location

Gourd Family

Teasel Family

Petty Spurge

Annual Mercury

Euphorbia Family

Potami

Potami

Cucurbitaceae

Ecballium elaterium Squirting Cucumber Karlovassi

Dipsacaceae

Pterocephalus plumosus Annual Pterocephalus West of Potami

Euphorbiaceae

Euprorbia characias subsp. characias Large Mediterranean Spurge West of Potami

Euphorbia peplus Mercurialis annua

Fabaceae Pea Family

Anagyris foetidaBean TrefoilKarlovassiAnthyllis tetraphyllaBladder VetchWest of PotamiAstragalus hamosus-West of PotamiBitumaria bituminosaPitch TrefoilWest of Potami

Calycotome villosa Hairy Thorny Broom Common on Roadsides

Ceratonia siliquaCarob or Locust TreePotamiCercis siliquastrumJudas TreePotami

Genista acanthoclada-West of PotamiHippocrepis unisiliquosa-West of PotamiHymenocarpus circinatusDisk TrefoilWest of Potami

Lathyrus aphaca

Yellow Vetchling

Ambelos mountains

Lathyrus gorgonei - Mykili

 Lathyrus setifolius
 Ambelos mountains

 Medicago arborea
 Tree Medick
 Roadside near Karlovassi

 Medicago orbicularis
 Disc Medick
 Ambelos mountains

Onobrychis caput-galli Cockscomb Sainfoin Ambelos mountains
Ononis viscosa - West of Limnionas

Robinia pseudacacia False Acacia Potami

Scoparius muricatusScorpion VetchNear KarlovassiSpartium junceumSpanish BroomCommonTrifolium campestreHop TrefoilWest of PotamiTrifolium cherleri-Psili Amos

Trifolium clypeatumShield CloverNear PyrgosTrifolium repensWhite CloverKarlovassiTrifolium resupinatumReversed CloverKarlovassiTrigonella graecaa FenugreekPotami

Vicia bithynicaBithynian VetchAmbelos mountainsVicia narbonensis-West of Potami

Vicia villosa Fodder Vetch Potami

Fagaceae Beech Family

Quercus coccifera Kermes Oak Ambelos mountains

Geraniaceae Geranium Family

Erodium cicutariumCommon Stork's-billYdoussaErodium malacoidesMallow-leaved Stork's-billPotamiGeranium dissectumCut-leaved Crane's-billPoyami

Geranium molleDove's-foot Crane's-billAmbelos mountainsGeranium purpureumLittle RobinAmbelos mountains

Geranium rotundifolium Round-leaved Crane's-bill Ydoussa

Geranium tuberosum Tuberous Crane's-bill Ambelos mountains

Scientific name Common name Location

Lamiaceae

Ballota acetabulosa Lamium amplexicaule Lamium bifidum Lamium purpureum

Lavandula stoechas Origanum heracleoticum

Phlomis fruticosa
Prasium majus
Salvia fruticosa
Satureja thymbra
Teucrium divaricatum

Teucrium polium Thymus capitatus Thymus longicaulis

Linaceae

Linum bienne Linum nodiflorum Linum trigynum

Malvaceae

Althaea hirsuta Lavatera cretica Malva sylvestris

Meliaceae

Melia azedarach

Moraceae

Ficus carica

Myrtaceae

Eucalyptus camaldulensis

Nyctaginaceae

Bougainvillea glabra

Oleaceae

Olea europaea

Orobanchaceae

Orobanche alba Orobanche crenata Orobanche hederae Orobanche minor

Oxalidaceae

Oxalis pres-caprae

Dead-nettle Family

Garden Horehound Potami
Henbit Karlovassi
- Potami
Red Deadnettle Karlovassi

French Lavender West of Limnionas a Marjoram West of Potami
Jerusalem Sage Near Pyrgos
Prasium Potami

Three-leaved Sage Common on roadsides

Satureia West of Potami
- West of Potami
Felty Germander West of Potami
Capitate Thyme Above Limnionas
a Thyme West of Potami

Flax Family

Pale Flax Potami

- Above Limnionas - West of Potami

Mallow Family

Hairy Mallow West of Potami

Small Tree Mallow Potami
Common Mallow Potami

Persian Lilac Family

Indian Bead Tree Planted

Fig Family

Fig Common

Myrtle family

River Red Gum Planted

Bougainvillea Family

Bougainvillea Planted

Olive Family

Olive Common

Broomrape Family

Thyme Broomrape West of Potami

a Broomrape Mykili Ivy Broomrape Potami Common Broomrape Potami

Oxalis Family

Bermuda Buttercup Common

Scientific name Common name Location

Poppy Family

Plantain Family

Plane Tree Family

Thrift Family

Dock Family

Primrose family

Buttercup Family

Papaveraceae

West of Potami Glaucium flavum Yellow-horned Poppy Papaver apulum Common Papaver hybridum Rough Poppy Mykili

Plantaginaceae

Plantago arenaria **Branched Plantain** Potami Mykili Plantago coronopus Stag's-horn Plantain Plantago lagopus Hare's-tail Plantain Mykili Plantago lanceolata Ribwort Plantain Potami

Platanaceae

Plane Tree Potami Platanus orientalis

Plumbaginaceae

Limonium sinuatum Winged Sea Lavender Mykili

Polygonaceae

Horned Dock Ambelos mountains Rumex bucephalophorus Rumex pulcher Fiddle Dock Karlovassi Rumex thyrsiflorus a Dock Potami

Primulaceae

Scarlet Pimpernel Karlovassi Anagallis arvensis Potami Cyclamen hederifolium (leaves) Ivy-leaved Sowbread Cyclamen repandum Spring Sowbread Potami

Ranunculaceae

Anemone blanda Ambelos mountains Lesser Celandine West of Potami Ranunculus ficaria (leaves) Ranunculus muricatus West of Potami Ranunculus sardous Karlovassi Hairy Buttercup

Roseaceae

Rose Family Salad Burnet Ambelos mountains Sangiusorba minor Sarcopoterium spinosum Spiny Burnet Roadside near Karlovassi

Rubiaceae

Bedstraw Family Cruciata laevipes Crosswort Ambelos mountains Rubia peregrina Wild Madder Potami Rubia tinctorum Wild Madder Karlovassi Sherardia arvensis Field Madder West of Potami Valantia hispida West of Potami

Rue Family

Figwort Family

Rutaceae

Citrus limon Lemon Planted

Scrophulariaceae

Naturalised on walls Antirrhinum majus Common Snapdragon Bellardia trixago Ambelos mountains Bellardia Cymbalaria muralis Ivy-leaved Toadflax Karlovassi Misopates orontium Weasel's Snout Karlovassi

Scientific name Common name Location

Parentucellia latifoliaSouthern Red BartsiaPsili AmosParentucellia viscosaYellow BartsiaPsili amosScrophularia heterophylla-PotamiVerbascum sinuatuma MulleinKarlovassiVeronica cymbalariaWhite SpeedwellPotami

Solanaceae Nightshade Family

Hyoscyamus albus White Henbane Karlovassi

Mandragora officinalis Mandrake Triadas Monastery

Nicotiana glauca Shrub Tobacco Roadside south of Karlovassi

Solanum nigrum Black Nightshade West of Potami

Styracaceae Storax Family

Styrax officinalis Storax Ydoussa

Urticaceae Nettle Family

Parietaria creticaPellitory-of-the-wallPotamiParietaria officinalisLarge Pellitory-of-the-wallPotamiUrtica membranaceaMembranous NettleYdoussa

Valerianaceae Valarian Family

Centranthus ruber Red Valerian Potami

Valeriana officinalis Common Valerian Ambelos mountains

Vitaceae Grape-vine Gamily

Vitis vinifera Grape-vine Karlovassi

Zygophyllaceae Caltrop Family

Tribulus temestris Maltese Cross Ydoussa

Liliidae (Monocotyledons)

Agavaceae Century Plant Family

Agave americana Century Plant Planted

Araceae Arum Family

Arisarum vulgareFriar's CowlWest of PotamiArum discordis-Psili AmosArum italicum subsp. italicumItalian Lords and LadiesWest of Potami

Dracunculus vulgaris Dragon Arum Ydoussa

Cyperaceae Sedge Family

Cyperus esculentus Tiger Nut Karlovassi

Iridaceae Iris Family

Gladiolus illyricus Wild Gladiolus Roadside near Karlovassi Gladiolus italicus Field Gladiolus Ambelos mountains

Iris attica - Ambelos mountains

Moraea sisyrinchium Barbary Nut

Scientific name Common name Location

Juncaceae

Juncus acutus
Juncus bufonius
Schoenus nigricans

Scirpoides holoschoenus

Liliaceae

Allium ampeloprasum

Allium nigrum
Allium roseum
Allium subhirsutum
Asparagus acutifolius
Bellevalia trifoliata
Gagea graeca
Muscari comosum
Muscari neglectum

Ornithogalum angustifolium Ornithogalum arabicum Ornithogalum narbonense

Ruscus aculeatus Smilax aspera Urginea maritima

Orchidaceae

Anacamptis pyramidalis Dactylorhiza romana Limodorum abortivum

Ophrys apifera subsp. apifera

Ophrys bombyliflora

Ophrys ceto

Ophrys ceto
Ophrys episcopalis
Ophrys heldreichii
Ophrys oestrifera
Orchis anotolica
Orchis fragrans
Orchis italica
Orchis pinetorum

Orchis simia
Orchis tridentata
Serapias bergonii
Serapias orientalis
Serapias parviflora
Serapias vomeracea

Orchis sancta

Poaceae

Anisantha madritensis Anisantha sterilis Arundo donax Avena barbata Avena sterilis Briza maxima

Rush Family

Sharp Rush Psili Amos
Toad Rush Mykili
Black Bog Rush Mykili

Round-headed Clubrush West of Potami

Lily Family

Wild Leek Potami

Fields near Triadas Monastery

Rosy Garlic Mykili

- West of Potami Prickly Asparagus Karlovassi

Triadas Monastery Ambelos mountains

Tassel Hyacinth Potami
Grape Hyacinth Psili Amos

Common Star of Bethlehem Ambelos mountains

- Potami
- Psili Amos
Butcher's Broom Potami
Sarsaparilla Plant Potami
Sea Squill (leaves only) Potami

Orchid Family

Pyramidal Orchid Psili Amos

Roman Orchid Ambelos mountains

Violet Bird's-nest Orchid Ydoussa Bee Orchid Mykili Bumblebee Orchid Mykili

Ambelos mountains

Large-flowered Bee Orchid Potami

Heldreich's Ophrys Roadside East of Karlovassi

a Woodcock Orchid Potami

Anatolian Orchid Ambelos mountains

Bug Orchid Mykili

Naked Man Orchid Ambelos mountains
An Early Purple Orchid Ambelos mountains
Holy Orchid Very Common
Monkey Orchid Ambelos mountains
Toothed Orchid Ambelos mountains

a Tongue Orchid Psili Amos a Tongue Orchid Mykili

Small-flowered Tongue Orchid Roadside East of Karlovassi

Ploughshare Tongue Orchid Psili Amos

Grass Family

Madrid Brome Potami
Barren Brome Karlovassi
Giant Reed Karlovassi
Bristle Oat Potami

Winter Wild Oat Ambelos mountains
Great Quaking Grass Ambelos mountains

Scientific name Common name Location

Briza minor Mykili **Annual Quaking Grass** Bromus rubens **Red Brome** Potami Cynodon dactylon Bermuda Grass Psili Amos Cynosurus echinatus Rough Dog's-tail Ambelos mountains Hordeum murinum Wall Barley Karlovassi Hyparrhenia hirta Potami Mykili Imperata cylindrica Lagurus ovatus Hare's-tail Grass Mykili Lolium perenne Italian Rye Grass Common Phragmites australis Common Reed Karlovassi Poa annua Annual Meadow-grass Karlovassi Karlovassi Polypogon monspeliensis Annual Beard-grass Rostraria cristata Potami Feather Grass Roadsides Stipa capensis

Birds (H = heard only)

						Apri	l/May	,		
	Common name	Scientific name	24	25	26	27	28	29	30	01
1	Ruddy Shelduck	Tadorna ferruginea			✓					
2	Mallard	Anus platyrhynchos			✓					
3	Chukar	Alectoris chukar			✓		✓			
4	Scopoli's Shearwater	Calonectris diomedea diomedea	✓							
5	Yelkouan Shearwater	Puffinus yelkouan	✓		✓	✓				
6	Great Cormorant	Phalacrocorax carbo							✓	
7	Squacco Heron	Ardeola ralloides			✓	✓	✓	✓	✓	
8	Little Egret	Egretta garzetta			✓	✓	✓		✓	✓
9	Grey Heron	Ardea cinerea			✓			✓		
10	Purple Heron	Ardea purpurea			✓					
11	Glossy Ibis	Plegadis falcinellus			✓					
12	Short-toed Eagle	Circaetus gallicus		✓	✓	✓	✓	✓		
13	Long-legged Buzzard	Buteo rufinus			✓		✓	✓	✓	✓
14	Common Buzzard	Buteo buteo	✓	✓			✓			
15	Eurasian Sparrowhawk	Accipiter nisus	✓						✓	
16	Common Kestrel	Falco tinnunculus		✓	✓		✓			
17	Eleonora's Falcon	Falco eleonorae			✓	✓	✓		✓	
18	Peregrine Falcon	Falco peregrinus	✓				✓			
19	Common Moorhen	Gallinula chloropus					✓			
20	Eurasian Coot	Fulica atra			✓					
21	Black-winged Stilt	Himantopus ostralegus			✓					
22	Wood Sandpiper	Tringa glareola		✓	✓	✓	✓	✓	✓	✓
23	Common Sandpiper	Actitis hypoleucos	✓	✓	✓	✓	✓			
24	Common Greenshank	Tringa nebularia			✓					
25	Ruff	Philomachus pugnax		✓	✓	✓				
26	Yellow-legged Gull	Larus michahellis	✓	✓	✓	✓	✓	✓	✓	✓
27	Rock Dove / Feral Pigeon	Columba livia	✓	✓	✓	✓	✓	✓	✓	✓
28	Common Woodpigeon	Columba palumbus	✓				✓			
29	Eurasian Collared Dove	Streptopelia decaocto	✓	✓	✓	✓	✓	✓	✓	✓
30	European Turtle Dove	Streptopelia turtur	✓				✓		Н	
31	Common Swift	Apus apus	✓	✓	✓	✓	✓	✓	✓	

						Apri	I/May			
	Common name	Scientific name	24	25	26	27	28	29	30	01
32	Pallid Swift	Apus pallidus	✓		✓					
33	Alpine Swift	Apus melba				✓			✓	
34	European Bee Eater	Merops apiaster	✓	Н	✓	Н		✓	Н	✓
35	European Roller	Coracias garrulus					✓			
36	Crested Lark	Galerida cristata	✓		✓		✓		✓	
37	Woodlark	Lullula arborea		Н						
38	Greater Short-toed Lark	Calandrella brachydactyla			✓					
39	Common Sand Martin	Riparia riparia				✓				
40	Barn Swallow	Hirundo rustica	✓	✓	✓	✓	✓	✓	✓	✓
41	Red-rumped Swallow	Cecropis daurica	✓	✓	✓	✓	✓	✓	✓	✓
41	Common House Martin	Delichon urbica	✓	✓	✓	✓	✓	✓	✓	✓
42	Tawny Pipit	Anthus campestris			✓					
43	Tree Pipit	Anthus trivialis	✓				Н			
44	White Wagtail	Motacilla alba	✓	✓	✓	✓	✓	✓	✓	✓
45	Yellow (Blue-headed) Wagtail	Motacilla flava flava	✓	✓	✓	✓	✓		✓	✓
46	Yellow (Black-headed) Wagtail	Motacilla flava feldegg	✓	✓	✓	✓	✓		✓	✓
47	Yellow (Grey-headed) Wagtail	Motacilla flava thunbergi	✓	✓	✓	✓	✓		✓	✓
48	Citrine Wagtail	Motacilla citreola	✓							
49	European Robin	Erithacus rubecula	✓					✓		
50	Common Nightingale	Luscinia megarhynchos				✓	✓	Н		
51	Eastern Black-eared Wheatear	Oenanthe melanoleuca	✓	✓			✓			
52	Whinchat	Saxicola rubetra	✓	✓	✓					
53	Common Stonechat	Saxicola torquatus		✓		✓				
54	Common Blackbird	Turdus merula	✓	✓	✓	✓	✓	✓	✓	✓
55	Blue Rock Thrush	Monticola solitarius	✓	✓	✓		√			
56	Blackcap	Sylvia atricapilla		✓						
57	Common Whitethroat	Sylvia communis				✓		✓		
58	Sardinian Warbler	Sylvia melanocephala	✓	✓	✓	✓	√		✓	Н
59	Ruppell's Warbler	Sylvia rueppelli		✓				✓		
60	Zitting Cisticola	Cisticola juncidis			✓		✓			
61	Common Grasshopper Warbler	Locustella naevia		Н		Н	Н			
62	Cetti's warbler	Cettia cetti			Н		Н			
63	Olivaceous Warbler	Hippolais pallida	Н	✓	✓	✓	√	✓	✓	Н
64	Winter Wren	Troglodytes troglodytes	Н	✓		Н				
65	Great Tit	Parus major	Н	✓	Н	✓	✓	✓	✓	✓
66	Coal Tit	Periparus ater		✓		✓				
67	European Blue Tit	Cyanistes caeruleus	Н					√	√	
68	Long-tailed Tit	Aegithalos tephronotus						√		
69	Lesser Grey Shrike	Lanius minor			✓			√		
70	Red-backed Shrike	Lanius collurio			✓		✓	√		
71	Woodchat Shrike	Lanius senator	✓	✓	✓	✓	✓		√	✓
72	Masked Shrike	Lanius nubicus					✓			
73	'Black-capped' Eurasian Jay	Garrulus glandarius samios	✓	✓	✓	✓	✓	√	✓	✓
74	Western Jackdaw	Corvus monedula					✓			
75	Hooded Crow	Corvus corone cornix	✓	✓	✓	✓	✓	√	✓	✓
76	Common Raven	Corvus corax				✓				
77	House Sparrow	Passer domesticus	/	✓	✓	✓	✓	√	✓	✓
78	Spanish Sparrow	Passer hispaniolensis	/	✓	✓	✓	✓	√	✓	✓
79	Common Chaffinch	Fringilla coelebs	Н	1	✓	✓	✓	Н	Н	/
80	European Goldfinch	Carduelis carduelis	- ' '	Н	· ✓	1	✓ ·	• • •	٠.	+

			April/May							
	Common name	Scientific name	24	25	26	27	28	29	30	01
81	European Greenfinch	Carduelis chloris					Н	✓		
82	European Serin	Serinus serinus	✓	✓	✓	✓	✓	✓	✓	✓
83	Common Crossbill	Loxia curvirostra		✓						
84	Cretzschmar's Bunting	Emberiza caesia		✓			✓			
85	Black-headed Bunting	Emberiza bruniceps	✓			✓	✓	✓		
86	Corn Bunting	Miliaria calandra			Н		✓			

Butterflies

						April	/May			
	Common name	Scientific name	24	25	26	27	28	29	30	01
1	Hesperii	dae								
2	Marbled Skipper	Carcharodus lavatherae						✓		
3	Grizzled Skipper	Pyrgus malvae						✓		
4	Levantine Skipper	Thymelicus hyrax			✓	✓	✓	✓		
5	Papilioni	dae								
6	False Apollo	Archon apollinus	✓					✓		
7	Eastern Festoon	Zerynthia cerisy		✓	✓			✓		
8	Southern Festoon	Zerynthia polyxena		✓		✓				✓
9	Scarce Swallowtail	Iphiclides podalirius	✓	✓	✓	✓	✓	✓	✓	✓
10	Swallowtail	Papilion machaon	✓	✓	✓	✓	✓	✓	✓	✓
11	Pierida	ne								
12	Large White	Pieris brassicae	✓	✓	✓	✓	✓	✓		✓
13	Orange-tip	Anthocharis cardamines	✓	✓						
14	Eastern Dappled White	Euchloe ausonia		✓	✓		✓	✓		
15	Clouded Yellow	Colias crocea	✓		✓	✓	✓	✓		
16	Lycaenidae									
17	Sooty Copper	Lycaena tityrus		✓						
18	Green-underside Blue	Glaucopsyche alexis	✓	✓						
19	Common Blue	Polyommatus icarus		✓						
20	Adonis Blue	Lysandra bellargus			✓		✓	✓		
21	Blue Argus	Ultraaricia anteros						✓		
22	Brown Argus	Aricia agrestis			✓		✓	✓		
23	Nymphali	idae								
24	Small Tortoiseshell	Aglais urticae	✓		✓					
25	Red Admiral	Vanessa atalanta			✓	✓	✓	✓		
26	Painted Lady	Vanessa cardui	✓	✓	✓	✓	✓	✓	✓	
27	Southern Comma	Polygonia egea					✓			
28	Lesser Spotted Fritillary	Melitaea trivia	✓	✓	✓	✓	✓	✓	✓	
29	Satyrin	ae								
30	Speckled Wood	Pararge aegeria aegeria						✓		
31	Meadow Brown	Maniola jurtina							✓	✓
32	Aegean Meadow Brown	Maniola telmessia	✓	✓						
33	Samos Grayling	Hipparchia megera							✓	

Moths

			April/May							
	Common name	Scientific name	24	25	26	27	28	29	30	01
1	Plume Moth	Pterophoridae sp.			✓					
2	Hummingbird Hawk-moth	Macroglossum stellatarum		✓		✓	✓			

Other Invertebrates (Ny) = Nymph

			April/May									
	Common name	Scientific name	24	25	26	27	28	29	30	01		
1	Dark Spreadwing	Lestes macrostigma			✓							
2	Beautiful Damoiselle	Calopteryx virgo	✓									
3	Egyptian Grasshopper	Anacridium aegyptium		✓		✓		✓				
4	Wartbiter	Decticus verrucivorus				✓		✓				
5	Mantis	Empusa fasciata	Ny			✓						
6	Shield Bug	Eurydema dominulus				✓		✓				
7	Shield Bug	Graphosoma italicum	✓			✓						
8	Forest Bug	Pentatoma rufipes						✓				
9	Green Shield Bug	Palomena prasina				✓						
10	Sloe Bug	Dolycoris baccarum				✓						
11	Fire Bug	Pyrrhocoris apterus	✓					✓				
12	Assassin Bug	Reduviidae sp				✓			✓			
13	Froghopper	Cercopis vulnerata		✓		✓		✓	✓			
14	Thread-winged Ant-lion	Nemoptera sinuata			✓							
15	Lacewing	Phaeostigma		✓								
16	St. Mark's Fly	Bibio marci							√			
17	Horsefly sp.	Chrysops sp.	✓			✓			√			
18	Beefly	Bombylius major				✓						
19	Robber Fly	Asilidae sp.							√			
20	Carpenter Bee	Xylocopa violacea	✓	✓	✓			✓	✓			
21	Buff-tailed Bumblebee	Bombus terrestris	✓		✓				✓			
22	Honey Bee	Apis millifera	✓		✓		✓	✓	✓			
23	Ground Beetle	Carabus coriaceus					✓		√			
24	Chafer	Oxythyrea funesta	✓	✓	✓		✓		✓			
25	Soldier Beetle	Trichodes alvearius				✓	✓	✓	✓			
26	7-Spot Ladybird	Coccinella 7-punctata			✓							
27	Longhorn Beetle	Agapanthia villosoviridescens				✓						
28	Giant Centipede	Scolopendra cingulatus			✓							
29	Woodlouse	Glomeris marginata				✓						
30	Millipede sp	Tachypodoiulus niger		✓			✓					
31	Ladybird Spider	Eresus cinnebarinus							√			
32	Labyrinth Spider	Agelena labyrintha			✓							
33	Crab Spider	Misumena vatia			Ì	✓						
34	Crab Spider	Heriaeus hirtus	✓									
35	Trapdoor Spider	Cteniza sp.						✓				
36	Jumping Spider	Philaeus chrysops		✓		✓		✓				

Reptiles & Amphibians

			April							
	Common name	Scientific name	24	25	26	27	28	29	30	01
1	Marsh Frog	Rana ridibunda	✓		✓					
2	Agama	Laudakia stellio	✓	✓		✓		✓		
3	Peloponnese Wall Lizard	Podarcis peloponnesiaca		✓			✓	✓	√	
4	Balkan Green Lizard	Lacerta trilineata	✓		√		✓			
5	European Glass Lizard	Ophisaurus apodus	✓				✓			

Mammals

		April									
	Common name	Scientific name	24	25	26	27	28	29	30	01	
1	Pipistrelle	Pipistrellus sp.	✓	✓	✓	✓	✓	√	√		
2	Beech Marten	Martes foina						√			
3	Mediterranean Monk Seal	Monachus monachus	✓								
4	Brown Hare	Lepus europaeus		✓							