

Wild Flowers of the Cornish Valleys and Lizard Peninsula

Naturetrek Tour Report

18th – 21st May 2022



Thrift at Botallack



Lizard Peninsula cliff top



Long-headed Clover



Thyme Broomrape

Tour report and images by Bruce Middleton



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Day 1

Wednesday 18th May

Weather: Rainy

Bruce Middleton welcomed six Naturetrekkers at the Premier Inn, Helston. Then after everyone had checked in to the hotel, we set off in the minibus to Gunwalloe, Church Cove which is on the Lizard Peninsula. On arrival, sadly the rain started but that did not deter us so, all kitted up in our waterproofs, we made our way down to the beach. The carpark had a number of herring-bone-shaped stone walls adorned in yellow Kidney Vetch *Anthyllis vulneraria* which was really eye-catching. Down on the beach we found a number of plants such as Marram-grass *Ammophila arenaria*, Sea-holly *Eryngium maritimum* and Sand Sedge *Carex arenaria* on the small sand dune system above the beach. On the beach we found Sea Milkwort *Lysimachia (Glaux) maritima*, Sea Mayweed *Tripleurospermum maritimum*, Sea Beet *Beta vulgaris*, Sea Plantain *Plantago maritima*, Rock Samphire *Critbium maritimum* and Buck's-horn Plantain *Plantago coronopus*.

We then made our way up onto the coastal path and up along the cliff edge towards Poldhu. As we made our way along, we saw Rock Pipit *Anthus petrosus* and a pair of Red-billed Chough *Pyrrhocorax pyrrhocorax*. Along the path we also found Wild Madder with its velcro-like leaves that attach to anything that passes it. There was Thrift *Armenia maritima* in flower, the Spring Squill *Scilla verna* was just going over and there was also Cornish Heath *Erica vagans*, but not yet out in flower.

We made our way down on to Poldhu beach where we found a few more seaside plants such as Sea Knotgrass *Polygonum maritimum*, Sea Sandwort *Honckenya peploides* and Sea Rocket *Cakile maritima*. Poldhu Point was famous for a short while because it was the site of one of the main technological advances of the early twentieth century when, on 12th December 1901, a wireless signal was sent by Thomas Barron in Poldhu to St John's, Newfoundland, and received by Marconi. This technology was a precursor to radio and television.

It was continuing to rain, so we set off back towards Gunwalloe, but we did notice a few extra plants: Dwarf Gorse was not in flower, but the Wild Thyme was just coming out and then there was the colourful Whistling Jack *Gladiolus communis* subsp. *byzantinus* with its bright pink flowers. Once we were back at the hotel we quickly changed out of our wet clothes and dried out before we sat down to our first meal in the dining room and then went through the species list.

Day 2

Thursday 19th May

Weather: Dry and sunny.

After breakfast we set off to Kynance Cove. On arrival we walked south of the carpark and here we discovered our first Heath Spotted-orchids *Dactylorhiza maculata*, as well as Hairy Greenweed *Genista pilosa*, Dyer's Greenweed *Genista tinctoria*, Dropwort *Filipendula vulgaris*, Lousewort *Pedicularis sylvatica* and Heath Milkwort *Polygala serpyllifolia*. Then we made our way down into Kynance Cove and passed our first Bloody Crane's-bill *Geranium sanguineum*. We also viewed a Whinchat *Saxicola rubetra* and a Stonechat *Saxicola rubicola*. The tide was in but on the turn and going out, so we negotiated the wet stony beach up to the café. Because the weather was hot, we decided to have our first refreshment stop. After feeling suitably refreshed, we set off up the other slope

following the coastal path and looked across at Asparagus Island, so named because of the Prostrate Asparagus *Asparagus prostratus* that lives there. It was not long before we were spotting our first Thyme Broomrape *Orobanche alba* then there was the Spring Sandwort *Minuartia verna* and Sheep's-bit *Jasione montana*, as well as Western Clover *Trifolium occidentale* together with Twin-headed Clover *Trifolium bocconeii*.

We then trekked on towards Gew-graze Valley where in the past some of the local stone was used as a soapstone. As we descended into the valley, we found a number of plants of Spring Squill *Scilla verna* that had not burned off, as well as a number of Primroses *Primula vulgaris* still in flower. By the stream we heard and saw our first Cuckoo *Cuculus canorus* and then a Clouded Yellow *Colias croceus* butterfly flew by. As we continued up the path, we discovered Prostrate Broom *Cytisus scoparius* subsp. *maritimus* and some Wild Chives *Allium schoenoprasum*. Then near a house on the slope we discovered two botanists with lenses in hand lying flat out on the ground and they had discovered a nice patch of Rough Clover *Trifolium scabrum*. From here, we headed right back towards the café at Kynance Cove. We looked in the dried-out pools and found Dwarf Rush *Juncus capitatus* as well as Pigmy Rush *Juncus pygmaeus*, Three-lobed Crowfoot *Ranunculus tripartitus* and also the leaves of Yellow Bartsia *Parentucellia viscosa*. We then returned to the café and had some lunch. Then on our return to the minibus we came across a number of Pearl-bordered Fritillary *Boloria euphrosyne* and Wall *Lasiommata megera* butterflies.

We then drove on to Lizard Point carpark and then on foot we made our way south to the coastal path. We made our way in the direction of the stack and here we saw Shag *Gulosus aristotelis* on the rocks as well as a couple of Grey Seals *Halichoerus grypus* in the sea below. We then made our way back towards the most southern point in England and we could not help notice the yellow and pink flowered Hottentot Fig *Carpobrotus edulis* as well as the Purple Dewplant *Disphyma crassifolium*. There were also less showy native plants such as Sea Pearlwort *Sagina maritima* and Ciliate Rupturewort *Herniaria glabra*. We decided to have a drink at the café and saw a couple of Red-billed Cough *Pyrhacorax pyrrhacorax*. Then we had a short stroll a bit further along the coastal path to see the Western Ramping Fumitory *Fumaria occidentalis*, then we returned to the minibus and then drove a little closer towards the Housel Bay Hotel still in Lizard and then walked to the drive of the hotel where we found a few plants of Bithynian Vetch *Vicia bithynica* growing on the verge. Then it was back to the Premier Inn for supper and to go through the list of the day's findings.

Day 3

Friday 20th July

Weather: There was some rain to begin with but then it turned cloudy with some sunshine on and off throughout the rest of the day.

As we arrived at Porthwarra, a charm of Goldfinch *Carduelis carduelis* flew off from the carpark. We first went down to the sea and climbed up onto the coastal path and found a pair of Speckled Wood butterflies *Pararge aegeria*. Then as we came out on to the open exposed cliffs, we were greeted by a couple of Red-billed Cough *Pyrhacorax pyrrhacorax* which flew by. We saw a number of heath plants that we had seen the day before but the new plant that stood out was the Dodder *Cuscuta epithymum* sprawling out over a number of Gorse *Ulex europaeus* bushes. On the wetter areas we found Marsh Pennywort *Hydrocotyle vulgaris* and Bog Pimpernel *Lysimachia (Anagallis) tenella* but neither were in flower. We then returned to the café for a drink before setting off to our next destination which was a quick stop off at Land's End where there was a nice display of Ivy Broomrape *Orobanche hederae* growing on the Atlantic Ivy *Hedera hibernica*.

Then we drove to Nanquidno Valley where we could hear a Sedge Warbler *Acrocephalus schoenobaenus* singing but the sky was a bit dark at that moment and it never appeared. We walked on down to the sea and looked at the remains of the ruined tin mines there. When we returned to the minibus there was a hybrid plant of Stinking and Yellow Iris.

Then it was up to St Just and then down into the Cot Valley and ending up at Porth Nanven. Here we saw Pearl-bordered Fritillary *Boloria euphrosyne* and Orange Tip *Anthocharis cardamines*. We also had a Kestrel *Falco tinnunculus* flying by. Here there were more tin mine ruins as well as a couple of alien species that were New Zealand Pigmy-weed *Crassula helmsii* and Japanese Knotweed *Reynoutria japonica*. A geological interesting point is the beach is covered in large round pebbles which were formed thousands and thousands of years ago and had been lying in a raised beach created by a change in the sea level. However, today there is a cliff from which these large pebbles fall down onto the existing beach. Another interesting discovery was inside one of the shaft caves and here on the earth floor, was an algal stage of the moss known as Goblin's Gold *Schistostega pennata*. If you were at the correct angle the lens like cells of this green plant reflected the light back at us in the form of a luminous green light which was very magical looking but a natural phenomenon.

Then we set off to Botallack to see complete remains of tin mine chimneys on the cliffs above the sea. We had our late lunch stop here. Then we made our way to Marazion and parked beside the dunes overlooking St Michael's Mount. On the dunes there were a variety of plants to be seen including Hare's-tail Grass *Lagurus ovatus*, the leaves of the Sea Daffodil *Pancratium maritimum*, a garden escape Sea Daisy *Erigeron glaucus* but there was also the native Sea-kale *Crambe maritima*. Whilst on the top of the dunes we could look across the main road towards some wetland and here we saw Garganey *Spatula querquedula* as well as Little Egret *Egretta garzetta* and Canada Geese *Branta canadensis*. We then had a search of the dunes to see if we could find any Smaller Tree-mallow *Malva multiflora* but did not find any there. However, after searching a nearby flower bed, we found a couple of plants of it but they were still to flower. Back at the minibus we noticed another alien species known as the Duke of Argyll's Tea Plant *Lycium barbarum* growing on the dunes. Then it was off to the Premier Inn at Helston for our dinner and to do the list. However, on our drive back we had a near miss when a Sparrowhawk *Accipiter nisus* flew straight at the minibus, but luckily, at the last second managed to veer away from impacting with us. So, a very near miss but a good addition to the species list.

Day 4

Saturday 21st July

Weather: Was cloudy to begin with but later it heated up as the sun came out.

We drove to Lizard and parked on the parking area in the centre of the village. We then set off down to Caerthillian Cove. We headed towards the sea and started searching in the short turf near the sea cliff for clovers. We were soon rewarded by finding Rough Clover *Trifolium scabrum*, Western Clover *Trifolium occidentale* and the impressive Long-headed Clover *Trifolium incarnatum* subsp. *molinerii*. When looking out to sea we noticed a Northern Gannet *Morus bassanus* and it was not long before it dived down and caught a fish. We then headed inland and found a wet flush with Three-lobed Crowfoot *Ranunculus tripartitus* and after that we made our way back into Lizard. Here we bought our lunches from the pasty shop.

Next stop was Windmill Farm Nature Reserve. Here we went up into the windmill and climbed the spiral staircase and looked out over the Nature Reserve. The site is 85 hectares in size and has a mix of wet heath, ponds, willow woodland and meadow. We heard a Cuckoo throughout the time we spent on the reserve. There

were also Willow Warblers *Phylloscopus trochilus* and Chiffchaff *Phylloscopus collybita* singing all around us in the scrub and a Sedge Warbler *Acrocephalus schoenobaenus* in the reed beside one of the ponds. There were also Barn Swallows *Hirundo rustica* and House Martins *Delichon urbicum* feeding on the small insects buzzing about us.

We followed the nature trail around the reserve and along its route we came across a number of World War Two pillboxes that were installed to protect the small Spitfire airfield that was in use during the war. Whilst going around we found a number of Heath Spotted-orchids *Dactylorhiza maculata* and some Pale Butterwort *Pinguicula lusitanica*. There was also Common Blue Damselfly *Enallagma cyathigerum*, Blue-tailed Damselfly *Ischnura elegans*, Four-spotted Chaser *Libellula quadrimaculata*, Large Red Damselfly *Pyrrosoma nymphula* and Beautiful Demoiselle *Calopteryx virgo*. On the boardwalk we came across some basking Common Lizard *Zootoca vivipara*. When we arrived back at the minibus, we then took out our pasties and tucked into a taste of Cornwall. Then it was back to the hotel in Helston and time to say our goodbyes to each other.

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Species lists

Plants

(* = Very localised distribution or endemic; [] = Planted or Naturalised)

Nomenclature contained within this list follows the New Flora of the British Isles (4th edn) by Clive Stace

Scientific Name	Common Name	Location
PTERIDOPHYTES	FERNS & ALLIES	
Calamophytes	Horsetails	
Equisetaceae	Horsetail Family	
<i>Equisetum arvense</i>	Field Horsetail	Nanquidno
<i>Equisetum fluviatile</i>	Water Horsetail	Caerthillian Cove
Leptosporangiate Ferns	True Ferns	
Aspleniaceae	Spleenwort Family	
<i>Asplenium adiantum-nigrum</i>	Black Spleenwort	Kynance Cove
<i>Asplenium marinum</i>	Sea Spleenwort	Kynance Cove
<i>Asplenium scolopendrium</i>	Hart's-tongue	Gunwalloe
Athyriaceae	Lady Fern Family	
<i>Athyrium filix-femina</i>	Lady-fern	Gew-graze Valley
Dennstaedtiaceae	Bracken Family	
<i>Pteridium aquilinum</i>	Bracken	Kynance
Dryopteridaceae	Buckler-fern Family	
<i>Dryopteris affinis</i>	Scaly Male-fern	Gew-graze Valley
<i>Dryopteris dilatata</i>	Broad Buckler-fern	Gew-graze Valley
<i>Dryopteris filix-mas</i>	Male-fern	Gew-graze Valley
<i>Polystichum setiferum</i>	Soft Shield-fern	Gew-graze Valley
Osmundaceae	Royal Fern Family	
<i>Osmunda regalis</i>	Royal Fern	Gew-graze Valley
Polypodiaceae	Polypody Family	
<i>Polypodium interjectum</i>	Western Polypody	Nanquidno
<i>Polypodium vulgare</i>	Common Polypody	Nanquidno
GYMNOSPERMS	CONIFERS	
Cupressaceae	Juniper Family	
<i>Cupressus macrocarpa</i>	Monterey Cypress	Culdrose
Pinaceae	Pine Family	
[<i>Pinus radiata</i>]	Monterey Pine	Culdrose
[<i>Pinus sylvestris</i>]	Scots Pine	Outside Helston
ANGIOSPERMS	FLOWERING PLANTS	
Eu-Dicots	True Dicotyledons	
Acanthaceae	Acanthus Family	
<i>Acanthus mollis</i>	Bear's Breeches	Lizard

Scientific Name	Common Name	Location
Aceraceae	Maple Family	
<i>Acer pseudoplatanus</i>	Sycamore	Gunwalloe
<i>Acer campestre</i>	Field Maple	Hotel car park
Aizoaceae	Ice-plant Family	
<i>Carpobrotus edulis</i>	Hottentot Fig	Lizard Point
<i>Disphyma crassifolium</i>	Purple Dewplant	Lizard Point
Amaranthaceae (Chenopodiaceae)	Goosefoot Family	
<i>Atriplex laciniata</i>	Frosted Orache	Marazion
<i>Atriplex prostrata</i>	Spear-leaved Orache	Poldhue
<i>Beta vulgaris</i> subsp. <i>maritima</i>	Sea Beet	Gunwalloe
<i>Chenopodium album</i>	Fat-hen	Kynance
Apiaceae	Carrot Family	
<i>Angelica sylvestris</i>	Wild Angelica (leaves)	Cot Valley
<i>Apium nodiflorum</i>	Fool's Water-cress (leaves)	Poldhu
<i>Anthriscus sylvestris</i>	Cow Parsley	Gunwalloe
<i>Crithmum maritimum</i>	Rock Samphire (leaves)	Gunwalloe
<i>Heracleum sphondylium</i>	Hogweed (leaves)	Gunwalloe
<i>Daucus carota</i>	Wild Carrot	Gunwalloe
<i>Eryngium maritimum</i>	Sea-holly	Gunwalloe
<i>Hydrocotyle vulgaris</i>	Marsh Pennywort	Nanquidno
<i>Oenanthe crocata</i>	Hemlock Water-dropwort	Gunwalloe
<i>Smyrnium olusatrum</i>	Alexanders	Gunwalloe
Apocynaceae	Periwinkle Family	
[<i>Vinca major</i>]	Greater Periwinkle	Lizard
Aquifoliaceae	Holly Family	
<i>Ilex aquifolium</i>	Holly	Windmill Farm Nature Reserve
Araliaceae	Ivy Family	
<i>Hedera helix</i>	Ivy	Porthgwarra
<i>Hedera hibernica</i>	Atlantic Ivy	Gunwalloe
Betulaceae	Birch Family	
<i>Alnus glutinosa</i>	Alder	Gew-graze Valley
<i>Corylus avellana</i>	Hazel	Hotel carpark
Boraginaceae	Forget-me-not Family	
<i>Borago officinalis</i>	Borage	Roadsides
<i>Myosotis secunda</i>	Creeping Forget-me-not	Cot Valley
<i>Myosotis ramosissima</i>	Early Forget-me-not	Lizard
Brassicaceae	Cabbage Family	
<i>Alliaria petiolata</i>	Garlic Mustard	Lizard
<i>Arabidopsis thaliana</i>	Thale Cress	Lizard
<i>Brassica napus</i>	Oil-seed Rape	Road sides
<i>Brassica nigra</i>	Black Mustard	Road sides
<i>Capsella bursa-pastoris</i>	Shepherd's Purse	Lizard
<i>Cardamine hirsuta</i>	Hairy Bitter-cress	Lizard
<i>Cardamine pratensis</i>	Cuckoo Flower	Kynance
<i>Coronopus didymus</i>	Lesser Swine-cress	Kynance

Scientific Name	Common Name	Location
<i>Draba verna</i>	Whitlow grass	Lizard
<i>Crambe maritima</i>	Sea-kale	Marazion
<i>Lunaria annua</i>	Honesty	Road sides
<i>Cakile maritima</i>	Sea Rocket	Poldhu
<i>Raphanus raphanistrum</i> ssp. <i>maritima</i>	Sea Radish	Gunwalloe
<i>Sinapis arvensis</i>	Charlock	Road sides
<i>Sisymbrium officinale</i>	Hedge Mustard	Lizard
Buddlejaceae	Butterfly-bush Family	
<i>Buddleja davidii</i>	Buddleja	Lizard
Campanulaceae	Bellflower Family	
<i>Jasione montana</i>	Sheep's-bit	Kynance
Cannabaceae	Hemp Family	
<i>Humulus lupulus</i>	Hop	Cot Valley
Caprifoliaceae	Honeysuckle Family	
<i>Lonicera periclymenum</i>	Honeysuckle	Poldhu
<i>Sambucus nigra</i>	Elder	Gunwalloe
Caryophyllaceae	Pink Family	
<i>Arenaria serpyllifolia</i> subsp. <i>serpyllifolia</i>	Thyme-leaved Sandwort	Lizard
<i>Armeria maritima</i>	Thrift	Gunwalloe
<i>Callitriche stagnalis</i>	Common Star-wort	Kynance
<i>Cerastium fontanum</i>	Common Mouse-ear	Kynance
<i>Cerastium glomeratum</i>	Sticky Mouse-ear	Lizard
<i>Herniaria ciliolata</i>	Fringed Rupturewort	Kynance
<i>Honckenya peploides</i>	Sea Sandwort	Kynance
<i>Sagina apetala</i>	Annual Pearlwort	Poldhu
<i>Sagina maritima</i>	Sea Pearlwort	Lizard Point
<i>Sagina procumbens</i>	Procumbent Pearlwort	Kynance
<i>Silene dioica</i>	Red Campion	Gunwalloe
<i>Silene maritima</i>	Sea Campion	Gunwalloe
<i>Silene vulgaris</i> (leaves only)	Bladder Campion	Poldhu
<i>Stellaria holostea</i>	Greater Stitchwort	Porthgwarra
Compositae (Asteraceae)	Daisy Family	
<i>Achillea millefolium</i> (leaves only)	Yarrow	Cot Valley
<i>Anthemis nobilis</i>	Chamomile (leaves)	Kynance
<i>Arctium minus</i>	Lesser Burdock	Lizard Point
<i>Artemisia vulgaris</i> (leaves only)	Mugwort	Kynance
<i>Bellis perennis</i>	Daisy	Gunwalloe
<i>Carlina vulgaris</i> (dead flower heads only)	Carlina Thistle	Gew-graze Valley
<i>Centaurea nigra</i> (leaves only)	Common Knapweed	Gew-graze Valley
<i>Cirsium arvense</i>	Creeping Thistle	Poldhu
<i>Cirsium palustre</i>	Marsh Thistle	Gew-graze Valley
<i>Cirsium vulgare</i>	Spear Thistle	Poldhu
<i>Erigeron glaucus</i>	Seaside Daisy	Marazion
<i>Erigeron karvinskianus</i>	Mexican Wall Daisy	Marazion
<i>Eupatorium cannabinum</i>	Hemp Agrimony	Kynance
<i>Glebionis segetum</i>	Corn Marigold	Marazion
<i>Helminthotheca echioides</i>	Bristly Oxtongue (leaves)	Gunwalloe
<i>Hypochaeris radicata</i>	Common Cat's-ear	Poldhu

Scientific Name	Common Name	Location
<i>Jacobaea aquatica</i>	Marsh Ragwort	Windmill Farm Nature Reserve
<i>Jacobaea vulgaris</i>	Common Ragwort	Lizard
<i>Leucanthemum vulgare</i>	Ox-eye Daisy	Poldhu
<i>Matricaria discoides</i>	Pineapple Mayweed	Lizard
<i>Pilosella officinarum</i>	Mouse-ear Hawkweed	Kynance
<i>Pulicaria dysenterica</i>	Common Fleabane (leaves)	Poldhu
<i>Senecio vulgaris</i>	Groundsel	Lizard
<i>Sonchus oleraceus</i>	Smooth Sowthistle	Gunwalloe
<i>Sonchus arvensis</i>	Perennial Sowthistle	Cot Valley
<i>Taraxacum agg</i>	Dandelion	Gunwalloe
<i>Tripleurospermum maritimum</i>	Sea Mayweed	Gunwalloe
Convolvulaceae	Bindweed Family	
<i>Calystegia sepium</i> (leaves only)	Hedge Bindweed	Gunwalloe
<i>Calystegia soldanella</i>	Sea Bindweed	Gunwalloe
<i>Convolvulus arvensis</i> (leaves only)	Field Bindweed	Gunwalloe
<i>Cuscuta epithymum</i>	Common Dodder	Porthgwarra
Crassulaceae	Stonecrop Family	
<i>Crassula helmsii</i>	New Zealand Pigmy-weed	Cot Valley
<i>Sedum acre</i>	Biting Stonecrop	Kynance Cove
<i>Sedum anglicum</i>	English Stonecrop	Poldhu
Dipsacaceae	Teasel Family	
<i>Dipsacus fullonum</i>	Teasel (last year's dead plants)	Roadsides
<i>Knautia arvensis</i>	Field Scabious	Poldhu
<i>Succisa pratensis</i>	Devil's-bit Scabious	Windmill Farm Nature Reserve
Ericaceae	Heather Family	
<i>Calluna vulgaris</i>	Ling	Kynance
<i>Erica cinerea</i>	Bell Heath	Kynance
<i>Erica tetralix</i>	Cross-leaved Heath	Windmill Farm Nature Reserve
<i>Erica vagans</i>	Cornish Heath	Gunwalloe
Euphorbiaceae	Spurge Family	
<i>Euphorbia paralias</i>	Sea Spurge	Marazion
<i>Euphorbia peplus</i>	Petty Spurge	Windmill Farm Nature Reserve
Fagaceae	Beech Family	
<i>Fagus sylvatica</i>	Beech	Helston
<i>Quercus robur</i>	Pedunculate Oak	Helston
Geraniaceae	Crane's-bill Family	
<i>Erodium cicutarium</i>	Common Stork's-bill	Lizard
<i>Erodium maritimum</i>	Sea Stork's-bill	Marazion
<i>Geranium dissectum</i>	Cut-leaved Crane's-bill	Lizard
<i>Geranium molle</i>	Dove's-foot Crane's-bill	Lizard
<i>Geranium pratense</i>	Meadow Crane's-bill	Roadsides
<i>Geranium robertianum</i>	Herb Robert	Lizard
<i>Geranium sanguineum</i>	Bloody Crane's-bill	Kynance Cove
Hypericaceae	St. John's-wort Family	
<i>Hypericum hirsutum</i> (leaves only)	Hairy St. John's-wort	Kynance

Scientific Name	Common Name	Location
Lamiaceae	Dead-nettle Family	
<i>Ajuga reptans</i>	Bugle	Kynance
<i>Glechoma hederacea</i>	Ground Ivy	Kynance
<i>Mentha aquatica</i>	Water Mint	Gew-graze Valley
<i>Stachys officinalis</i>	Betony (leaves)	Kynance
<i>Thymus drucei (polytrichus)</i>	Wild Thyme	Poldhu
Leguminosae (Fabaceae)	Pea Family	
<i>Anthyllis vulneraria</i>	Kidney Vetch	Gunwalloe
<i>Cytisus scoparius ssp maritimus</i>	Prostate Broom	Gew-graze Valley
<i>Genista anglica</i>	Petty Whin	Kynance Cove
<i>Genista pilosa</i>	Hairy Greenweed	Kynance Cove
<i>Genista tinctoria</i>	Dyer's Greenweed	Kynance Cove
<i>Lotus corniculatus</i>	Bird's-foot Trefoil	Gunwalloe
<i>Lotus pedunculatus</i>	Greater Bird's-foot Trefoil	Gew-graze Valley
<i>Lotus subbiflorus</i>	Hairy Bird's-foot Trefoil	Lizard Point
<i>Medicago arabica</i>	Spotted Medick	Lizard Point
<i>Medicago lupulina</i>	Black Medick	Kynance Cove
<i>Ononis repens (leaves only)</i>	Common Restharrow	Gunwalloe
<i>Trifolium bocconeii</i>	Twin-headed Clover	Kynance Cove
<i>Trifolium dubium</i>	Lesser Trefoil	Gunwalloe
<i>Trifolium hybridum</i>	Alsike Clover	Lizard Point
<i>Trifolium incarnatum ssp. molinerii</i>	Long-flowered Clover	Caerlithilian Cove
<i>Trifolium occidentale</i>	Western Clover	Poldhu
<i>Trifolium pratense</i>	Red Clover	Lizard
<i>Trifolium repens</i>	White Clover	Gunwalloe
<i>Trifolium scabrum</i>	Rough Clover	Gew-graze Valley
<i>Trifolium striatum</i>	Knotted Clover	Kynance Cove
<i>Ulex europaeus</i>	European Gorse	Gunwalloe
<i>Ulex minor</i>	Dwarf Gorse	Poldhu
<i>Vicia bithynica</i>	Bithynian Vetch	Lizard
<i>Vicia sativa subsp. segetalis</i>	Common Vetch	Lizard Point
<i>Vicia tetrasperma</i>	Smooth Tare	Caerlithilian Cove
Lentibulariaceae	Bladderwort Family	
<i>Pinguicula lusitanica</i>	Pale Butterwort	Windmill Farm
Linaceae	Flax Family	
<i>Linum bienne</i>	Pale Flax	Gew-graze Valley
Malvaceae	Mallow Family	
<i>Lavatera arborea</i>	Tree-mallow	Gunwalloe
<i>Malva multiflora (Lavatera cretica)</i>	Smaller Tree-mallow	Marazion
<i>Malva sylvestris (leaves only)</i>	Common Mallow	Gunwalloe
Oleaceae	Olive Family	
<i>Fraxinus excelsior</i>	Ash	Cot Valley
Onagraceae	Willowherb Family	
<i>Epilobium hirsutum</i>	Great Willowherb (leaves only)	Gunwalloe
<i>Epilobium ciliatum</i>	American Willowherb	Windmill Farm
Orobanchaceae	Broomrape Family	
<i>Euphrasia sp.</i>	Eyebright	Kynance

Scientific Name	Common Name	Location
<i>Orobanche alba</i>	Thyme Broomrape	Kynance
<i>Orobanche hederæ</i>	Ivy Broomrape	Lands' End
<i>Parentucellia viscosa</i>	Yellow Bartsia (leaves only)	Kynance
<i>Pedicularis sylvatica</i>	Lousewort	Kynance
<i>Rhinanthus minor</i> agg.	Yellow Rattle	Windmill Farm
Papaveraceae	Poppy Family	
<i>Fumaria occidentalis</i>	Western Ramping Fumitory	Lizard
<i>Fumaria officinalis</i>	Common Fumitory	Botallack
<i>Papaver rhoeas</i>	Common Poppy	Marazion
Plantaginaceae	Plantain Family	
<i>Plantago lanceolata</i>	Ribwort Plantain	Gunwalloe
<i>Plantago major</i>	Greater Plantain	Poldhu
<i>Plantago maritima</i>	Sea Plantain	Gunwalloe
<i>Plantago media</i>	Hoary Plantain	Lizard
<i>Plantago coronopus</i>	Buck's-horn Plantain	Gunwalloe
Polygalaceae	Milkwort Family	
<i>Polygala serpyllifolia</i>	Heath Milkwort	Kynance
<i>Polygala vulgaris</i>	Common Milkwort	Gew-graze Valley
Polygonaceae	Knotweed Family	
<i>Fallopia japonica</i>	Japanese Knotgrass	Cot Valley
<i>Rumex crispus</i>	Curled Dock	Poldhu
<i>Polygonum maritimum</i>	Sea Knotgrass	Poldhu
<i>Rumex acetosa</i>	Common Sorrel	Poldhu
<i>Rumex obtusifolius</i>	Broad-leaved Dock	Gunwalloe
Primulaceae	Primrose Family	
<i>Lysimachia (Anagallis) arvensis</i>	Scarlet Pimpernel	Kynance Cove
<i>Lysimachia (Anagallis) tenella</i>	Bog Pimpernel	Gew-graze Valley
<i>Lysimachia (Glaux) maritima</i>	Sea Milkwort	Gunwalloe
<i>Primula vulgaris</i>	Primrose	Gew-graze Valley
Ranunculaceae	Buttercup Family	
<i>Clematis vitalba</i>	Old Man's Beard	Poldhu
<i>Ficaria verna</i>	Lesser Celandine	Gunwalloe
<i>Ranunculus acris</i>	Meadow Buttercup	Kynance
<i>Ranunculus bulbosus</i>	Bulbous Buttercup	Kynance
<i>Ranunculus flammula</i>	Lesser Spearwort	Windmill Farm
<i>Ranunculus repens</i>	Creeping Buttercup	Gunwalloe
<i>Ranunculus tripartitus</i>	Three-lobed Crowfoot	Kynance
Rosaceae	Rose Family	
<i>Crataegus monogyna</i>	Hawthorn	Helston
<i>Filipendula vulgaris</i>	Dropwort	Kynance
<i>Geum urbanum</i>	Wood Avens	Nanquidio
<i>Potentilla anserina</i>	Silverweed	Gunwalloe
<i>Potentilla erecta</i>	Tormentil	Kynance Cove
<i>Potentilla reptans</i>	Creeping Cinquefoil	Gunwalloe
<i>Prunus avium</i>	Wild Cherry	Roadsides
<i>Prunus spinosa</i>	Blackthorn	Gunwalloe
<i>Rosa pimpinellifolia</i>	Burnet Rose	Kynance

Scientific Name	Common Name	Location
<i>Rosa rugosa</i>	Japanese Rose	Marazion
<i>Rubus caesius</i>	Dew Berry	Lizard
<i>Rubus fruticosus</i> agg.	Bramble	Gunwalloe
<i>Sanguisorba officinalis</i>	Great Burnet (leaves only)	Kynance
Salicaceae	Willow Family	
<i>Salix cinerea</i>	Grey Willow	Gunwalloe
<i>Salix repens</i>	Creeping Willow	Kynance
<i>Salix viminalis</i>	Osier	Cot Valley
Scrophulariaceae	Figwort Family	
<i>Scrophularia nodosa</i>	Common Figwort	Cot Valley
Solanaceae	Potato Family	
<i>Lycium barbarum</i>	Duke of Argyll's Tea Plant	Marazion
<i>Solanum dulcamara</i>	Woody Nightshade	Poldhu
<i>Solanum tuberosum</i>	Potato	Lizard
Ulmaceae	Elm Family	
<i>Ulmus minor</i> subsp. <i>cornubiensis</i>	Cornish Elm	Porthgwarra
Urticaceae	Nettle Family	
<i>Parietaria judaica</i>	Pellitory-of-the-Wall	Kynance
<i>Urtica dioica</i>	Stinging Nettle	Gunwalloe
Valerianaceae	Valerian Family	
<i>Centranthus ruber</i>	Red Valerian	Poldhu
<i>Valerianella officinalis</i>	Common Valerian	Lizard
<i>Valerianella locusta</i>	Common Corn salad	Lizard
Veronicaceae	Speedwell Family	
<i>Cymbalaria muralis</i>	Ivy-leaved Toadflax	Lizard
<i>Linaria purpurea</i>	Purple Toadflax	Lizard
<i>Digitalis purpurea</i>	Foxglove	Gunwalloe
<i>Veronica arvensis</i>	Wall Speedwell	Helston
<i>Veronica persica</i>	Common Field Speedwell	Lizard
Violaceae	Violet Family	
<i>Viola reichenbachiana</i>	Early Dog Violet	Gunwalloe
<i>Viola riviniana</i>	Common Dog Violet	Poldhu
<i>Viola lactea</i>	Pale Violet	Kynance
Monocots	Monocotyledons	
Amaryllidaceae	Daffodil Family	
<i>Allium ampeloprasum</i> var <i>babingtonii</i>	Babington's Leek	Gunwalloe
<i>Allium roseum</i>	Rosy Garlic	Kynance
<i>Allium schoenoprasum</i>	Wild Chive	Gew-graze Valley
<i>Allium triquetrum</i>	Three-cornered Leek	Poldhu
<i>Pancratium maritimum</i>	Sea Daffodil (leaves)	Marazion
Araceae	Lords-and-Ladies Family	
<i>Lemna minor</i>	Small Duckweed	Cot Valley
Asparagaceae	Asparagus Family	

Scientific Name	Common Name	Location
<i>Hyacinthoides non-scripta</i>	Bluebell	Gunwalloe
<i>Hyacinthoides x massartiana</i>	Hybrid Bluebell	Poldhu
<i>Ruscus aculeatus</i>	Butcher's-broom	Gunwalloe
<i>Scilla verna</i>	Spring Squill	Kynance
Dioscoreaceae	Black Bryony Family	
<i>Dioscorea (Tamus) communis</i>	Black Bryony	Cot Valley
Iridaceae	Iris Family	
<i>Crocsmia x crocosmifolia</i>	Montbretia (leaves)	Gunwalloe
<i>Gladiolus communis</i> subsp. <i>byzantinus</i>	Whistling Jack	Gunwalloe
<i>Iris foetidissima</i> (leaves only)	Stinking Iris or Gladdon (leaves)	Gunwalloe
<i>Iris pseudacorus</i>	Yellow Iris	Poldhu
Orchidaceae	Orchid Family	
<i>Dactylorhiza maculata</i>	Heath Spotted-orchid	Kynance
<i>Orchis mascula</i>	Early-purple Orchid	Poldhu
Poaceae	Grass Family	
<i>Aira caryophylla</i>	Silver Hair-grass	Gew-graze Valley
<i>Alopecurus geniculatus</i>	Marsh Foxtail	Kynance
<i>Ammophila arenaria</i>	Marram Grass	Gunwalloe
<i>Arrhenatherum elatius</i>	False-oat Grass	Roadsides
<i>Anthoxanthum odoratum</i>	Sweet Vernal Grass	Poldhu
<i>Brachypodium sylvaticum</i>	False Brome (leaves)	Poldhu
<i>Briza maxima</i>	Greater Quaking Grass	Porthgwarra
<i>Bromus hordeaceus</i>	Soft Brome	Poldhu
<i>Bromus sterilis</i>	Barren Brome	Kynance
<i>Dactylis glomerata</i>	Cock's-foot	Gunwalloe
<i>Deschampsia cespitosa</i>	Tufted Hair-grass	Gew-graze Valley
<i>Glyceria fluitans</i>	Flote-grass	Kynance
<i>Festuca rubra</i>	Red Fescue	Gunwalloe
<i>Holcus lanatus</i>	Yorkshire Fog	Windmill Farm Nature Reserve
<i>Hordeum murinum</i>	Wall Barley	Windmill Farm Nature Reserve
<i>Lagurus ovatus</i>	Hare's-tail Grass	Marazion
<i>Lolium perenne</i>	Perennial Rye-grass	Lizard
<i>Molinia caerulea</i>	Purple Moor-grass	Nanquidno
<i>Phragmites australis</i>	Common Reed	Gunwalloe
<i>Poa annua</i>	Annual Meadow-grass	Gunwalloe
<i>Poa pratensis</i>	Smooth Meadow-grass	Lizard
<i>Poa trivialis</i>	Rough Meadow-grass	Cot Valley
Cyperaceae	Sedge Family	
<i>Carex acutiformis</i>	Lesser Pond Sedge	Gunwalloe
<i>Carex arenaria</i>	Sand Sedge	Gunwalloe
<i>Carex dioica</i>	Distant Sedge	Kynance
<i>Carex flacca</i>	Glaucous Sedge	Kynance
<i>Carex distichia</i>	Brown Sedge	Beside path to Caerthillian Cove
<i>Carex hirta</i>	Hairy Sedge	Gunwalloe
<i>Carex panicea</i>	Carnation Sedge	Kynance
<i>Carex pendula</i>	Pendulous Sedge	Nanquidno
<i>Carex pulicaris</i>	Flea Sedge	Kynance
<i>Carex viridula</i> ssp. <i>oedocarpa</i>	Common Yellow Sedge	Kynance
<i>Eleocharis multicaulis</i>	Many-stemmed Spike-rush	Gew-graze Valley

Scientific Name	Common Name	Location
<i>Eleocharis palustris</i>	Common Spike-rush	Windmill Farm Nature Reserve
Juncaceae	Rush Family	
<i>Isolepis setacea</i>	Bristle Club-rush	Gew-graze Valley
<i>Juncus acutiflorus</i>	Sharp-flowered Rush (leaves)	Gew-graze Valley
<i>Juncus effusus</i>	Soft Rush	Kynance
<i>Juncus inflexus</i>	Hard Rush	Gew-graze Valley
<i>Luzula campestris</i>	Field Woodrush	Kynance
<i>Luzula multiflora</i>	Heath Woodrush	Kynance
<i>Schoenus nigricans</i>	Black Bog-rush	Gunwalloe

Fungi

<i>Calvatia gigantea</i>	Giant Puff-ball	Kynance
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Birds (H = Heard only)

Common name	Scientific name	July 2022			
		18	19	20	21
Canada Goose	<i>Branta canadensis</i>			✓	
Garganey	<i>Spatula querquedula</i>			✓	
Mallard	<i>Anas platyrhynchos</i>	✓			
Northern Fulmar	<i>Fulmarus glacialis</i>		✓		
Common Pheasant	<i>Phasianus colchicus</i>		✓		
Great Crested Grebe	<i>Podiceps cristatus</i>			✓	
Little Egret	<i>Egretta garzetta</i>			✓	
Eurasian Shag	<i>Gulosus aristotelis</i>		✓		
Great Cormorant	<i>Phalacrocorax carbo</i>		✓		
Eurasian Sparrowhawk	<i>Accipiter nisus</i>			✓	
Common Buzzard	<i>Buteo buteo</i>		✓	✓	✓
Common Kestrel	<i>Falco tinnunculus</i>			✓	
Common Moorhen	<i>Gallinula chloropus</i>	✓		✓	
Eurasian Oystercatcher	<i>Haematopus ostralegus</i>	H	✓	✓	
Black-legged Kittiwake	<i>Rissa tridactyla</i>		✓		
Great Black-backed Gull	<i>Larus marinus</i>		✓		
European Herring Gull	<i>Larus argentatus</i>	✓	✓	✓	✓
Lesser Black-backed Gull	<i>Larus fuscus</i>		✓	✓	✓
Rock Dove/ Feral Pigeon	<i>Columba livia</i>			✓	✓
Common Wood Pigeon	<i>Columba palumbus</i>	✓	✓	✓	✓
Eurasian Collared Dove	<i>Streptopelia decaocto</i>		✓	✓	
Common Cuckoo	<i>Cuculus canorus</i>		✓		H
Eurasian Magpie	<i>Pica pica</i>		✓	✓	✓
Red-billed Chough	<i>Pyrrhocorax pyrrhocorax</i>	2	5	3	
Western Jackdaw	<i>Coloeus monedula</i>	✓	✓	✓	✓
Rook	<i>Corvus frugilegus</i>		✓	✓	
Carrion Crow	<i>Corvus corone</i>	✓	✓		✓
Northern Raven	<i>Corvus corax</i>		✓		✓
Eurasian Blue Tit	<i>Cyanistes caeruleus</i>		✓	✓	✓
Eurasian Skylark	<i>Alauda arvensis</i>		✓	✓	✓
Sand Martin	<i>Riparia riparia</i>			✓	
Barn Swallow	<i>Hirundo rustica</i>		✓	✓	
Common House Martin	<i>Delichon urbicum</i>				✓

Common name	Scientific name	July 2022			
		18	19	20	21
Willow Warbler	<i>Phylloscopus trochilus</i>				✓
Common Chiffchaff	<i>Phylloscopus collybita</i>		H	✓	✓
Sedge Warbler	<i>Acrocephalus schoenobaerus</i>			H	H
Lesser Whitethroat	<i>Curruca corruca</i>		✓		✓
Common Whitethroat	<i>Curruca communis</i>		✓	✓	
Eurasian Blackcap	<i>Sylvia atricapilla</i>				H
Eurasian Wren	<i>Troglodytes troglodytes</i>		H	✓	✓
Common Starling	<i>Sturnus vulgaris</i>		✓	✓	✓
Common Blackbird	<i>Turdus merula</i>	✓	✓	✓	✓
Song Thrush	<i>Turdus philomelos</i>				✓
European Robin	<i>Erithacus rubecula</i>		✓	✓	✓
Whinchat	<i>Saxicola rubetra</i>		✓		
European Stonechat	<i>Saxicola rubicola</i>		✓		✓
Norther Wheatear	<i>Oenanthe oenanthe</i>		✓		
House Sparrow	<i>Passer domesticus</i>		✓	✓	✓
Dunnock	<i>Prunella modularis</i>			✓	✓
Pied Wagtail	<i>Motacilla alba</i>		✓	✓	✓
Meadow Pipit	<i>Anthus pratensis</i>			✓	
Rock Pipit	<i>Anthus petrosus</i>	✓	✓	✓	✓
Common Chaffinch	<i>Fringilla coelebs</i>		✓	✓	✓
Green Finch	<i>Chloris chloris</i>				✓
Common Linnet	<i>Linaria cannabina</i>		✓	✓	✓
European Goldfinch	<i>Carduelis carduelis</i>			✓	
Eurasian Bullfinch	<i>Pyrrhula pyrrhula</i>				✓

Mammals

	Common name	Scientific name	July 2022			
			18	19	20	21
	Atlantic Grey Seal	<i>Halichoerus grypus</i>		5		
	European Rabbit	<i>Oryctolagus cuniculus</i>		✓	✓	✓

Amphibians & Reptiles

1	Common Lizard	<i>Zootoca vivipara</i>				✓
2	Common Frog	<i>Rana temporaria</i> (tadpoles)		✓	✓	✓
3	Common Toad	<i>Bufo bufo</i>				✓

Butterflies

1	Orange Tip	<i>Anthocharis cardamines</i>			✓	✓
2	Clouded Yellow	<i>Colias croceus</i>		✓		
3	Small White	<i>Pieris rapae</i>		✓		✓
4	Small Copper	<i>Lycaena phlaeas</i>		✓		
5	Common Blue	<i>Polyommatus icarus</i>		✓	✓	✓
6	Painted Lady	<i>Vanessa cardui</i>				✓
7	Pearl-bordered Fritillary	<i>Boloria euphrosyne</i>		✓	✓	
8	Speckled Wood	<i>Pararge aegeria</i>		✓	✓	✓
9	Wall Brown	<i>Lasiommata megera</i>		✓	✓	✓

Other invertebrates

Blue-tailed Damselfly, *Ischnura elegans*

Broad-bodied Chaser, *Libellula depressa*

Common Blue Damselfly, *Enallagma cyathigerum*

Four-spotted Chaser, *Libellula quadrimaculata*

Honey Bee, *Apis mellifera*

Cinnabar Moth, *Tyria jacobaeae*

Beautiful Demoiselle, *Calopteryx virgo*

Azure Damselfly, *Coenagrion puella*

Large Red Damselfly, *Pyrrhosoma nymphula*

Pond Skater, *Gerris lacustris*

White-tailed Bumblebee, *Bombus lucorum*