

2011 FAUNA AND FLORA RECORDS (FOR GROUPS OTHER THAN BIRDS)

compiled by

TIM DAVIS & TIM JONES

Harpers Mill, Berrynarbor, Ilfracombe, Devon EX34 9TB

Email: info@birdsoflundy.org.uk

The following records are taken from the LFS Logbook – complemented by more detailed information provided by email in several cases – and are reproduced here in good faith. No attempt has been made to verify these reports in their entirety but thanks are due to Andrew Cleave, Roger Key and Alan Rowland for reviewing a draft text. Special thanks go to all those, LFS members and non-members alike, who took the time to record their observations in 2011; we warmly encourage all members to do so in future. If you do not have the opportunity to use the logbook when on the island, a subsequent email to the above address would be greatly appreciated. Digital images of animals and/or plants that are unusual on/around Lundy are particularly welcome.

Please note that to maximise the potential scientific and conservation value of these records, selected data will be forwarded by the LFS to the Devon Biological Records Centre (DBRC). Should you wish your own records not to be passed on to DBRC, or if you have any questions concerning this initiative, please contact Alan Rowland (Mole Cottage, Chapel Close, Morwenstow, Cornwall EX23 9JR; morwenstow@btinternet.com).

WHALES, DOLPHINS AND PORPOISES (Cetacea)

Minke Whale *Balaenoptera acutorostrata*

15 Apr – two feeding with at least ten Common Dolphins, a Bottle-nosed Dolphin, and attendant seabirds (including Gannets, Manx Shearwaters and gulls) between 0.5 and 1.0 km WNW of Lundy.

Unidentified whale species

17 Apr – possible Minke surfaced among feeding Gannets about 1.5 km W of Lundy.

18 Oct – probably a Minke; seen from above Quarry Beach by National Trust group of volunteer 'rhodie bashers'. First seen blowing, then breaching within about 30 m of the shoreline, the whale moved off towards the ENE, breaching twice, then again ten minutes later when it was heading north. Length approximately 7 m, with dorsal fin towards the rear.

Common Dolphin *Delphinus delphis*

15 Apr – at least 10; see entry for Minke Whale.

16 Apr – 10 moving off East Side.

22 Apr – 15 to 20 off West Side.

10 May – at least 15 off Tibbetts.

4 Jun – pod of about half-a-dozen off Quarry Beach.

27 Jun – at least seven between Halfway Wall Bay and North Light.

10 Jul – at least 15 off Halfway Wall Bay.

12 Jul – at least 15 in the Landing Bay.

13 & 14 Jul – up to 13 off the South End.

20 Jul – minimum of 100 feeding about two miles off East Side.

23 Jul – at least three in the Landing Bay.

27 Jul – 100+ feeding about 1 km off Jenny's Cove.

- 2 Aug – 15 off the Devil's Limekiln.
- 7 Aug – five or six feeding in tide race off North End.
- 19 Aug – 20 around *Jessica Hettie* off the Landing Bay.
- 22 Aug – 35 feeding off East Side, then heading south.
- 23 Aug – about 35 off the West Side.
- 30 Aug – 20 to 30 heading NW about 2-3 miles off the East Side.
- 15 Sep – at least 100 off Jenny's Cove, seen from MS *Oldenburg* during round-island trip.
- 3 Oct – 12 off Jenny's Cove (M. Thorne).

Bottle-nosed Dolphin *Tursiops truncatus*

- 15 Apr – one; see entry for Minke Whale.
- 22 Aug – two off Montagu Steps (M. Thorne).
- 3 Oct – one off North End (Tim Davis) and one off Pilot's Quay (M. Thorne).

Harbour Porpoise *Phocoena phocoena*

- 17 Mar – one off Rat Island.
- 31 Jul – two off Rat Island.
- 1 to 7 Aug – almost daily sightings of small groups of two to six in various locations off the south of the island, frequently accompanied by feeding Gannets.
- 7 Aug – one off North End.
- 18 Aug – eight off North Light.
- 29 Sep – 15, including small calves, off Rat Island (M. Thorne).
- 1 Oct – three, including a calf, off Rat Island (James Diamond).
- 4 Oct – three off East Side (Chris Baillie).
- 5 Oct – six at North End (James Diamond).
- 7 Oct – four (Tim Davis *et al.*)

Unidentified dolphin or porpoise species

- 23 Feb – one off North Light.
- 11 Jun – at least five in Landing Bay (thought probably to be common dolphins).
- 2 Aug – about six, approx. 2 km NW of Jenny's Cove.
- 8 Aug – about 10, approx. 1-2 km NE of the Landing Bay.
- 17 Aug – 12 off Jenny's Cove.

SEALS

Grey Seal *Halichoerus grypus*

- 29 Jan – three at North Light landing stage.
- 22 Feb – three near North Light and 18 in Gannets' Bay.
- 2 Mar – singles by the jetty and off the Castle.
- 22 Mar – seals at Brazen Ward included a female with turquoise rope or netting around its neck, though the animal did not appear distressed.
- 27 Mar – three off North Light.
- 5 Apr – three in the Landing Bay.
- 6 Apr – three off North End.
- 18 Apr – 28 on Knoll Pins and nearby shoreline.
- 22 Apr – 18 at North End.
- 4 May – 30 at North End.
- 19 May – 70 to 80 hauled out between Halfway Wall and Gannets' Bay.
- 21 Jul – 53 along East Side, mostly hauled out between Knoll Pins and North East Point.
- 5 Aug – 11 seen from North Light quay.

9 Aug – 18 around Hell's Gates.
10 Aug – 50 at and around Brazen Ward.
30 Aug – four pups at Halfway Wall Beach, the youngest of which was less than a week old, one slightly older, and the others about two to three weeks old with grey pelt beginning to show through the white fur (Derek Green & J. Heath).
5 Sep – one adult and one pup on Quarry Beach.
12 Sep – 37 at Brazen Ward; pup still present on Quarry Beach.
15 Sep – 82 on rocks at North End, including several pups.
16 & 17 Sep – pup on Quarry Beach doing well.
18 Sep – 13 at Brazen Ward.
19 Sep – eight in Gannets' Bay and eight in the Landing Bay.
21 Sep – 46 at Gannets' Bay; pup still on Quarry Beach.
23 Sep – pup still on Quarry Beach.
24 Sep – about 20 in the Landing Bay and on Mouse Island.
26 Sep – 13 around two kayakers in Threequarter Wall Bay.
7 Oct – a dead pup in the Landing Bay (Tim Davis *et al.*)
13 Oct – 23 on Rat/Mouse Islands.
14 Oct – 10 off North East Point.
1 Nov – 83 between Gannets' Bay and Brazen Ward.

MARINE FISHES

Conger Eel *Conger conger*

19 Jun – “a bull seal devouring a massive conger eel off Montagu Steps” (M. Thorne).

Ocean Sunfish *Mola mola*

10 Jul – one basking on surface for about 20 minutes at Tibbetts Bay (Robin Roberts).

MARINE INVERTEBRATES

Jellyfish – a range of species frequent in the Landing Bay on 18 Jun, including **Mauve Stinger** *Pelagia noctiluca* (perhaps the most unusual), but also large numbers of **Blue Jellyfish** *Cyanea lamarckii* (the most common), **Moon Jellyfish** *Aurelia aurita* and some **Compass Jellyfish** *Chrysaora hysoscella*. Also several small medusae, possibly *Rathkea octopunctata* (Keith Hiscock).

Common Cuttlefish *Sepia officinalis*

Large numbers (2-3 per 10m²) of cuttlebones washed up on the strandline in the Landing Bay on 3 Feb (Keith Hiscock).

Andrew Cleave has provided the following fascinating account relating to marine fishes and marine invertebrates found in the jetty/Landing Bay area in early Aug:

“We caught **Atlantic Mackerel** *Scomber scombrus* in abundance off the jetty on 6, 7 & 8 Aug. In addition we caught smaller numbers of **Garfish** *Belone belone* and **Pollack** *Pollachius pollachius*. The serious side to this was that we were plankton netting as well, and this produced **Snake Pipefish** *Entelurus aequoratus* and small specimens of **Tub Gurnard** *Chelidonichthys lucerna* in lesser numbers. These species are attracted to lights, or maybe follow the plankton that are attracted to lights, after dark. Rockpooling produced some **Common Eels** *Anguilla anguilla* on the 7th. These records are all for the Jetty/Landing Bay area. The plankton samples – again, all off the jetty after dark on the same dates – produced an abundance of invertebrates

including larval/pelagic forms of **starfish** (probably **Cushion Stars** *Asterina gibbosa*) and **Green/Common Shore Crab** *Carcinus maenas*. On the last night (8 Aug) we had several immature **Squat Lobsters** *Galathea squamifera*. These were all swimming around near the surface in the dark; we were lucky to have high tides and calm weather to be able to do this. Further invertebrates caught on three nights, and present in dense swarms, included *Calanus finmarchius*, (a common planktonic copepod and the mainstay of fish such as sprats and herrings), *Anomalocera patersoni* (a 2mm-long, but very colourful, bright green copepod), *Hyperia galba* (a common planktonic amphipod that is a major component of the diet of Storm Petrels – pers. comm. Dr Mark Bolton, RSPB). *Odontosyllis gibba* is a small worm that is active near the surface at night and was caught in small numbers on 6th & 7th, and there were also large numbers of free-swimming hydrozoan medusae, up to 3mm across, including *Leuckartiara* sp. caught on all three nights. There is a very distinctive smell with some of these organisms, particularly the *Hyperia* amphipods and this same smell is very noticeable if you are working with Storm Petrels or investigating their nest sites. One final specimen was a small **swimming crab**, probably the **Marbled Crab** *Liocarcinus marmoreus*."

INTRODUCED FRESHWATER FISHES

Mirror Carp *Cyprinus carpio* or **Crucian carp** *Carassius carassius*

26 Sep – present in Quarry Pond; water too turbid for definite identification (Colin Lee & Michael Williams).

NATIVE LAND MAMMALS

Pygmy Shrew *Sorex minutus*

7 Feb – two in the Radio Room.

13 Feb – one in Square Cottage.

21 Feb – one dead at Stoneycroft.

28 Feb to 7 Mar – one resident in Blue Bung.

29 Mar – one in Square Cottage.

29 Apr – one under fridge in Old House South.

7 & 10 May – one in Tavern.

1 Jul – one dead on path at North End.

7 Jul – one near Tibbetts.

5 to 10 Aug – one in Castle Cottage.

5 Aug – one by old oil tanks at North Light compound.

15 Aug – one in Hammers.

6 to 10 Sep – at least three living under the floorboards in Hammers.

10 Sep – one in Tavern.

18 Sep – one in Government House.

20 Sep – one in Blue Bung.

4 to 7 Oct – at least two in Government House; one taking Red Leicester cheese! (Richard Campey *et al.*).

7 Oct – one at Stoneycroft.

4 Nov – one in the Tavern.

8 Nov – one at Quarter Wall Bay.

Common Pipistrelle Bat *Pipistrellus pipistrellus*

5 May – calls detected at Millcombe House.

26 & 27 Sep – one on east-facing side of Old House/Tavern on 26th and one above Brambles on 27th, both registered at 45 MHz, using BatBox Duet detector (Colin Lee).

Unidentified bats

19 Mar – one flew over Castle Hill, from the direction of the Castle towards Benjamin's Chair.

17 Aug – two, thought likely to be pipistrelles, outside the Tavern.

24 Sep – one, thought likely to be a pipistrelle, outside Brambles.

9 Oct – one small bat, probably a pipistrelle, near the gas store in Lower Millcombe (Tim Ball).

4 Nov – one, thought to be a pipistrelle, over Millcombe House at dusk.

FERAL LAND MAMMALS

The annual survey of feral mammals, coordinated by the National Trust and Natural England, was conducted during the period 4-7 May, resulting in the following maximum counts:

Soay Sheep <i>Ovis aries</i>	196 (23 rams, 107 ewes, 66 lambs)
Sika Deer <i>Cervus nippon</i>	53 (10 stags, 39 hinds, 4 calves)
Feral Goat <i>Capra aegagrus hircus</i>	30 (12 billies, 13 nannies, 5 kids)
Rabbit <i>Oryctolagus cuniculus</i>	12,000-13,000

Feral Goat *Capra aegagrus hircus*

Several entries in the logbook commented on the prevalence of goats in the southern part of the island and consequent overgrazing of both introduced and native plants, including Lundy Cabbage, particularly in lower Millcombe. In spring and summer, goats were seen standing on top of Millcombe garden walls, eating ivy.

Sika Deer *Cervus nippon*

Notable records from the logbook included a herd of 24 on slopes above Quarter Wall Bay on 6 Apr; 27 at Quarter Wall Copse and 21 in Tillage Field on 27 Apr; four herds totalling 70 individuals on 2 May (note that the 'official' census a few days later only located 53); 26 in Brick Field on 13 May. Twenty-two between Pondsburry and High St Gate at dusk on 13 Oct. Twenty on East Side on 13 Dec.

Soay Sheep *Ovis aries*

Notable records from the logbook included at least 14 lambs north of Threequarter Wall on 22 Apr and a single herd of 76 animals in Middle Park on 5 Aug.

SLUGS & SNAILS (Gastropoda)

Pellucid Glass Snail *Vitrina pellucida*

7 May – present in Millcombe (Mark G. Telfer).

Two-toothed Door Snail *Clausilia bidentata*

7 May – present in Millcombe (Mark G. Telfer).

Brown-lipped Snail *Cepaea nemoralis*

7 May – present in Millcombe (Mark G. Telfer).

Garden Snail *Helix aspera*

7 May – present in Millcombe (Mark G. Telfer).

MILLIPEDES (Diplopoda)

Pill Millipede *Glomeris marginata*

5 May – two at Halfway Wall (Mark G. Telfer).

WOODLICE (Isopoda)

A woodlouse *Armadillidium nasatum*

6 Jun – one on the wall of the Museum (Roger & Rosy Key, Steve Compton).

Common Pill Woodlouse *Armadillidium vulgare*

5 May – one at Halfway Wall (Mark G. Telfer).

Common Shiny Woodlouse *Oniscus asellus*

7 May – one in Millcombe (Mark G. Telfer).

Common Striped Woodlouse *Philoscia muscorum*

7 May – two at Halfway Wall (Mark G. Telfer).

A woodlouse *Porcellionides cingedus*

7 May – one in Millcombe (Mark G. Telfer).

Common Rough Woodlouse *Porcellio scaber*

7 May – two at Halfway Wall (Mark G. Telfer).

BEETLES (Coleoptera)

Sequence and scientific nomenclature follow the *Checklist of Beetles of the British Isles* (Duff, 2008)

Green Tiger Beetle *Cicindela campestris* – see colour plate 7

29 Apr – one, Lower East Side Path (Tim Jones).

6 & 7 May – recorded at North End on 6th; copulating pair seen on 7th (Mark G. Telfer).

A ground-beetle *Carabus granulatus*

24 Jun to 8 Jul – two near the Quarries (Alan & Sandra Rowland).

A ground-beetle *Abax parallelepipedus*

9 Jun – singles in Millcombe and at the Quarries (Roger & Rosy Key, Steve Compton).

A ground-beetle *Calathus melanocephalus*

5 May – one at Halfway Wall (Mark G. Telfer).

A ground-beetle *Amara aenea*

4 Jun – Lametry (Roger Key).

A ground-beetle *Amara tibialis*

4 Jun – East Side end of Quarter Wall (Roger Key).

Black Snail Beetle *Silpha atrata*

5 May – one at Halfway Wall (Mark G. Telfer).

A burying beetle *Nicrophorus humator*

13 Oct – three in actinic light trap at Castle (Tony John).

15 Oct – eight in actinic light trap at Castle (Tony John).

A burying beetle *Nicrophorus* sp.

28 Sep – one dead at Brambles (Colin Lee).

A rove beetle *Anotylus tetracarinatus*
7 May – one, Millcombe (Mark G. Telfer).

Devil's Coachhorse *Ocyopus olens*
27 Sep – one on steps down to Battery Point (Colin Lee).
29 Sep – one outside Tavern (M. Thorne).
1 Nov – one inside Blue Bung.

A rove beetle *Staphylinus erythropterus*
6 Jun – one running along main track just north of Village (Roger & Rosy Key, Steve Compton).
24 Jun to 8 Jul – five in various locations (Alan & Sandra Rowland).

Minotaur Beetle *Typhaeus typhoeus* – see colour plate 7
23 Apr – one at the Terrace/Quarries (Alan Rowland).
4 Jun – “notable by their absence!” (Roger Key).
26 Sep – one on Terrace (Colin Lee & Michael Williams).

A dumbledor beetle *Anoplotrupes stercorosus* (= *Geotrupes stercorosus*)
23 Apr – present in the Terrace/Quarries area (Alan Rowland).
7 May – one dead on Beach Road (Mark G. Telfer).
4 Jun – one at Quarter Wall (Roger Key).
26 Sep – more than 50 along the Lower East Side Path; three faecal piles, approx. 2.5 cm by 8 cm, made up largely of dor beetle parts (Colin Lee & Michael Williams). *Editorial note: Kestrels, Crows and (though to a lesser extent) Ravens are known to include dor beetles in their diets and to regurgitate pellets of indigestible material. It seems likely that one of these species, which are all common along the East Side in autumn, was responsible.*
31 Oct to 2 Nov – small numbers seen daily.

Rose Chafer *Cetonia aurata*
7 May – one, Millcombe (Mark G. Telfer).
4 Jun – many, especially on hogweed flowers (Roger Key).
24 Jun to 8 Jul – at least one recorded on most days (Alan & Sandra Rowland).
15 Aug – recorded on East Side (no count given).

A pill beetle *Byrrhus* sp.
23 Apr – two at the Terrace/Quarries (Alan Rowland).

A click beetle *Agrypnus murinus*
4 Jun – Lametry (Roger Key).

A click beetle *Athous haemorrhoidalis*
7 May – one, Millcombe (Mark G. Telfer).
4 Jun – East Side end of Quarter Wall (Roger Key).

A click beetle *Agriotes pallidulus*
7 May – one, Millcombe (Mark G. Telfer).

Woodworm *Anobium punctatum*
4 to 7 May – a male, inside The Barn (Mark G. Telfer).

A wood-boring beetle *Ptilinus pectinicornis*

6 Jun – a female, just emerged from a dead Turkey oak in St Helen's Combe (Roger & Rosy Key, Steve Compton).

A pollen or sap beetle *Epuraea aestiva*

7 May – a male, Millcombe (Mark G. Telfer).

Common pollen beetle *Meligethes aeneus*

7 May – two females, Millcombe (Mark G. Telfer).

A pollen beetle *Meligethes obscurus*

7 May – two males, Millcombe (Mark G. Telfer).

A pollen beetle *Meligethes viridescens*

7 May – three males and four females, Millcombe (Mark G. Telfer).

Twenty-four-spot Ladybird *Subcoccinella vigintiquattuorpuntata*

7 May – one, Millcombe (Mark G. Telfer).

A mould beetle *Cartodere bifasciata*

7 May – one, Millcombe (Mark G. Telfer).

A mould beetle *Cartodere nodifer*

7 May – one, Millcombe (Mark G. Telfer).

A mould beetle *Enicmus transversus*

4 to 7 May – a female, inside The Barn (Mark G. Telfer).

A mould beetle *Corticaria gibbosa*

7 May – two males and one female, Millcombe (Mark G. Telfer).

A mould beetle *Melanophthalma distinguenda*

7 May – six, Millcombe (Mark G. Telfer). Mark writes: "Despite the '*distinguenda*' name, it is anything but distinguished – this is yet another little brown job from the Latridiidae family, associated with moulds and detritus. It has been known from Lundy since before 1931 and in 1995 A.J. Parsons discovered it further up the Bristol Channel on Steep Holm by examining loose gravel on a path. It is not known from anywhere else in Britain and its world range otherwise includes France, Germany, Austria, Switzerland, Hungary and Italy. I didn't hold out much hope of finding it, and hadn't expected it to be associated with the Lundy Cabbage. But I found six by tapping Lundy Cabbage plants and by sieving litter from around their roots. It doesn't appear to have been recorded from Lundy for more than 40 years!"

Source: <http://markgtelfer.co.uk/2011/05/15/lundy-invertebrates>

A darkling beetle *Nalassus laevioctostriatus*

7 May – one, Millcombe (Mark G. Telfer).

A mustard beetle *Phaedon cochleariae*

7 May – five off Lundy cabbage, Millcombe (Mark G. Telfer).

Lundy Cabbage Flea Beetle *Psylliodes luridipennis* (endemic; UK Biodiversity Action Plan priority species)

7 May – two males and one female off Lundy cabbage, Millcombe (Mark G. Telfer).

A flea beetle *Psylliodes napi*

7 May – two males and one female off Lundy cabbage, Millcombe (Mark G. Telfer).

A weevil *Orthochaetes insignis*

7 May – one, Millcombe (Mark G. Telfer).

Lundy Cabbage Leaf Weevil *Ceutorhynchus contractus* form *pallipes* (= *C. minutus*)

7 May – six males and four females collected, but common, with several in every tap sample from Lundy cabbage, Millcombe (Mark G. Telfer).

Cabbage Seedpod Weevil *Ceutorhynchus obstrictus*

7 May – seven, Millcombe (Mark G. Telfer).

A weevil *Acalles misellus*

7 May – a female, Millcombe (Mark G. Telfer).

FLIES (Diptera)

Marmalade Hoverfly *Episyrphus balteatus* (Syrphidae)

7 May – one in Millcombe (Mark G. Telfer).

A conopid fly *Physocephala rufipes*

5 Jun – one at Brambles (Roger & Rosy Key, Steve Compton).

BUMBLEBEES & WASPS (Hymenoptera)

Small Garden Bumblebee *Bombus hortorum*

7 May – one in Millcombe (Mark G. Telfer).

Tree Bee *Bombus hypnorum*

20 Jul – seen feeding on thistles, brambles and foxgloves along the East Side.

Bracken Sawfly *Aneugmenus padi* (Tenthredinidae)

7 Jun – one ovipositing on bracken near Government House (Roger & Rosy Key, Steve Compton).

Skullcap Sawfly *Athalia scutellariae* (Tenthredinidae)

19 Sep – one larva on skullcap (*Scutellaria galericulata*) near North Point East (Stella Beavan & Bob Heckford).

BUTTERFLIES (Lepidoptera)

Clouded Yellow *Colias croceus*

Singles on 2 & 3 Jun, 1 Sep and 1 Oct, followed by three on 2 Oct, were the first Lundy records since Oct 2009.

Large White *Pieris brassicae*

Recorded between 9 Apr and 30 Sep, with a max of 12 on 10 Apr.

Maximum count for each month (top) and number of days recorded (bottom)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
–	–	–	12	1	2	10	3	2	–	–	–
–	–	–	5	1	3	5	7	11	–	–	–

Small White *Pieris rapae*

Recorded between 19 Apr and 28 Sep, with a max of 20 on 20 & 21 Apr, though it is possible that at least some of these were Green-veined Whites, which are generally more common than Small Whites on Lundy in spring.

Maximum count for each month (top) and number of days recorded (bottom)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
–	–	–	20	1	1	15	10	2	–	–	–
–	–	–	4	1	1	5	8	3	–	–	–

Green-veined White *Pieris napi*

Recorded between 23 Apr and 29 Aug, with a max of 60 on 28 Apr.

Maximum count for each month (top) and number of days recorded (bottom)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
–	–	–	60	10	–	1	6	–	–	–	–
–	–	–	6	8	–	2	8	–	–	–	–

Small Copper *Lycaena phlaeas*

Recorded between 28 Apr and 17 Oct, with a max of 15 on 3 Oct.

Maximum count for each month (top) and number of days recorded (bottom)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
–	–	–	2	4	3	3	7	7	15	–	–
–	–	–	1	4	7	3	9	7	10	–	–

Common Blue *Polyommatus icarus*

Records of singles on 9 Apr (perhaps more likely to be Holly Blue?) and 9 Jun.

Holly Blue *Celastrina argiolus*

The only record was of one on 28 Apr (but see above comment in relation to reported Common Blue on 9 Apr).

Red Admiral *Vanessa atalanta*

Recorded between 11 Apr (one) and 12 Nov (3), with maxima of 50 on 24 Aug, 40 on 25 Aug and 30 on 1 Oct.

Maximum count for each month (top) and number of days recorded (bottom)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
–	–	–	13	10	“lots”	6	50	15	30	5	–
–	–	–	13	7	4	14	18	23	25	5	–

Painted Lady *Vanessa cardui*

One of the first butterfly records of the year, with one on 24 & 25 March, but generally a very poor year for this migrant species, with sightings reported for just 17 further dates and a maximum of two on 15 Apr and 3 & 11 Oct.

Maximum count for each month (top) and number of days recorded (bottom)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
–	–	1	2	–	1	1	1	1	2	–	–
–	–	2	3	–	3	1	1	2	7	–	–

Small Tortoiseshell *Aglais urticae*

An improved showing for this species, with records on 31 days, compared with a 2008–2010 average of just 15 days. Recorded between 19 Apr (five) and 16 Oct (two), with a maximum of seven on 29 Jun.

Maximum count for each month (top) and number of days recorded (bottom)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
–	–	–	5	1	7	3	2	5	4	–	–
–	–	–	4	2	9	5	6	5	3	–	–

Peacock *Inachis io*

Singles on 19 & 22 Mar were the first butterflies to be seen on Lundy in 2011, but the only other reported sighting was of two on 31 Aug.

Wall Brown *Lasiommata megera*

One on 24 Apr.

Grayling *Hipparchia semele*

Recorded on nine dates between 20 Jul and 2 Sep, with a max of at least six, along the East Side between Millcombe and Brazen Ward, on 27 Jul (Andrew Cleave).

Gatekeeper *Pyronia tithonus*

Recorded on eight dates between 22 Jul and 25 Aug, with a max of four on 22 Jul.

Meadow Brown *Maniola jurtina*

Recorded between 5 Jun (four) and 29 Aug (12), with a maximum of 60 on 10 Jul.

Maximum count for each month (top) and number of days recorded (bottom)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
–	–	–	–	–	31	60	30	–	–	–	–
–	–	–	–	–	11	20	12	–	–	–	–

Ringlet *Aphantopus hyperantus*

Two on 29 Jun, three on 1 Jul and six on 4 Jul were the only records for the year.

Small Heath *Coenonympha pamphilus*

Recorded between 4 Jun (“lots”) and 15 Sep (two), with a maximum of 25 on 1 Sep.

Maximum count for each month (top) and number of days recorded (bottom)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
–	–	–	–	–	“lots”	2	11	25	–	–	–
–	–	–	–	–	10	1	12	3	–	–	–

MAINLY DIURNAL (DAY-FLYING) MOTHS (Lepidoptera)

The digits prior to each common name are the 'Bradley & Fletcher' numbers from *A Recorder's Log Book or Label List of British Butterflies and Moths* (J.D. Bradley & D.S. Fletcher, 1979), which provide the officially recognised sequence of British moths.

170 **Five-spot Burnet** *Zygaena trifolii*

Recorded on 16 dates between 8 Jun (one) and 28 Jul (two), with a max of "tens" on 26 Jun.

383 **Thrift Clearwing** *Syansphecia muscaeformis*

4 Jun – Beach Road.

A single larva found in thrift (*Armeria maritima*) stem near South Light on 21 Sep, with three at The Pyramid on 23rd (Stella Beavan & Bob Heckford).

1637 **Oak Eggar** *Lasiocampa quercus*

Three larvae at North Light on 24 Mar. Ten larvae found on 1 Apr, with 52 counted on 4 Apr in the vicinity of North Light. Larva seen on 4 May. Single adults recorded on three dates between 1 & 27 Jul. A single early instar larva found on 19 Sep.

1643 **Emperor Moth** *Saturnia pavonia*

Recorded between 15 Apr (one) and 5 May (one) with a maximum of six on 29 Apr. Larva on main track near Tibbetts on 14 Jul. Larva near Quarter Wall Cottages on 9 Aug.

1742 **Yellow Shell** *Camptogramma bilineata*

6 Jun – common along East Side paths.

1902 **Brown Silver-line** *Petrophora chlorosata*

This species is listed among the day-flying moths as it is commonly disturbed from path-side vegetation during the day, although it is most active at night, as shown by the light-trap record. 22 Apr – one.

7 to 12 May – up to three at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).

6 Jun – common along East Side paths.

1984 **Hummingbird Hawk-moth** *Macroglossum stellatarum*

27 May – one in Millcombe.

27 Jun – one near Halfway Wall.

In autumn, recorded on 10 dates between 23 Sep and 16 Oct; mostly singles, but two on 28 Sep and 3 Oct, and four on 2 Oct. This influx coincided with an unseasonable heatwave, a very warm airflow from the south breaking the previous record UK October maximum temperature on 1st.

2058 **Cream-spot Tiger** *Arctia villica*

7 Jun – one dead (and hollowed out by ants) on main track near Village.

2069 **The Cinnabar** *Tyria jacobaeae*

20 Jul – one larva seen on path on West Side.

8 Aug – one larva on path near Rocket Pond.

2441 **Silver Y** *Autographa gamma*

9 May – one at 6W actinic light trap in garden of Millcombe House.

One on 24 Aug, two on 25th, one on 1 Sep, then records on 20 dates in the second half of Sep and during Oct, with maxima of eight on 30 Sep and 20 on 1 Oct, coinciding with a record-breaking heatwave for late Sep/early Oct. Three at actinic light, Government House, on 20 Sep, and one on 22nd (Stella Beavan & Bob Heckford).

MAINLY NOCTURNAL MOTHS (Lepidoptera)

See note on sequence under 'Diurnal (day-flying) moths on previous page.

50 ***Stigmella aurella*** (a micro-moth)

17 Sep – vacated larval mines in Bramble (*Rubus fruticosus* agg.) leaves, between Government House and Landing Bay (Stella Beavan & Bob Heckford).

68 ***Stigmella salicis*** (a micro-moth)

17 Sep – vacated larval mines in willow (*Salix* sp.) leaves, St John's Valley (Stella Beavan & Bob Heckford).

186 ***Psyche casta*** (a micro-moth)

21 Sep – two old cases near South Light (Bob Heckford).

263 **Apple Leaf Miner** *Lyonetia clerlicella* (a micro-moth)

19 Sep – a few tenanted and vacated mines on birch (*Betula* sp.), east sidelands (Stella Beavan & Bob Heckford).

264 ***Bedellia somnulentella*** (a micro-moth)

17 Sep – two mines, one with a larva, in bindweed (*Convolvulus* sp.) leaf, St John's Valley (Stella Beavan & Bob Heckford).

288 ***Caloptilia stigmatella*** (a micro-moth)

17 Sep – vacated larval mines in willow (*Salix* sp.) leaves, St John's Valley (Stella Beavan & Bob Heckford).

294 ***Aspilapteryx tringipennella*** (a micro-moth)

21 Sep – a few tenanted mines on Ribwort Plantain (*Plantago lanceolata*) near South Light (Bob Heckford).

309 ***Deltaornix torquillella*** (a micro-moth)

17 Sep – one larva and several feeding signs on Blackthorn (*Prunus spinosa*) near Government House (Stella Beavan & Bob Heckford).

321 ***Phyllonorycter messaniella*** (a micro-moth)

17 Sep – tenanted larval mines locally common on Turkey Oak (*Quercus cerris*) near Millcombe House (Stella Beavan & Bob Heckford).

348 ***Phyllonorycter quinqueguttella*** (a micro-moth)

19 Sep – several tenanted mines on Creeping Willow (*Salix repens*) near Pondsbyr (Stella Beavan & Bob Heckford).

361 ***Phyllonorycter trifasciella*** (a micro-moth)

17 Sep – several tenanted larval mines on Honeysuckle (*Lonicera periclymenum*) along the Beach Road (Stella Beavan & Bob Heckford).

385 ***Anthophila fabriciana*** (a micro-moth)

17 Sep – larvae on Nettles (*Urtica dioica*) and Pellitory-of-the-wall (*Parietaria officinalis*) between Government House and Landing Bay; locally common around Government House and several near South Light on 22nd (Stella Beavan & Bob Heckford).

12 Oct – one adult on window of Millcombe House (G. Fardivel).

386 ***Tebenna micalis*** (a micro-moth)

18 & 19 Sep – several larvae on Common Fleabane (*Pulicaria dysenterica*), East Side between Government House and Terrace (Stella Beavan & Bob Heckford).

387 ***Prochoreutis sehestediana*** or 388 ***Prochoreutis myllerana*** (micro-moths)

19 Sep – vacated feedings on Common Skullcap (*Scutellaria galericulata*) near North East Point (Stella Beavan & Bob Heckford).

483 ***Epermenia chaerophyllella*** (a micro-moth)

17 Sep – several larvae on Hogweed (*Heracleum sphondylium*) near Millcombe House (Stella Beavan & Bob Heckford).

485 ***Schreckensteiniella festaliella*** (a micro-moth)

17 Sep – one larva on under surface of willow (*Salix* sp.) and two larvae on upper surface of Bramble (*Rubus fruticosus* agg.), St John's Valley (Stella Beavan & Bob Heckford).

18 Sep – two larvae on upper surface of bramble, east sidelands (Stella Beavan & Bob Heckford).

504 ***Coleophora lusciniapennella*** (a micro-moth)

21 Sep – several early instar cases on willow (*Salix* sp.), Quarry Pond (Stella Beavan & Bob Heckford).

547 ***Coleophora discordella*** (a micro-moth)

5 Jun – larvae feeding on Bird's-foot trefoil (*Lotus corniculatus*), Beach Road (Roger Key).

21 Sep – typical larval feeding signs on bird's-foot trefoil, but no cases seen, near South Light (Stella Beavan & Bob Heckford).

22 Sep – a few cases on greater bird's-foot trefoil (*L. pedunculatus*) (Stella Beavan & Bob Heckford).

563 ***Coleophora argentula*** (a micro-moth)

18 Sep – a few cases on Yarrow (*Achillea millefolium*) on cliffs above The Rattles (Stella Beavan & Bob Heckford).

607 ***Elachista canapennella*** (a micro-moth)

22 Sep – one at actinic light, Government House (Stella Beavan & Bob Heckford).

672 **Parsnip Moth** *Depressaria heraclei* syn. = *D. pastinacella* (a micro-moth)

22 Sep – exuviae in old stems of Hogweed (*Heracleum sphondylium*) near South Light (Stella Beavan & Bob Heckford).

692 ***Agonopterix subpropinquella*** (a micro-moth)

20 Sep – one at actinic light, Government House (Stella Beavan & Bob Heckford).

776 ***Teleiopsis diffinis*** (a micro-moth)

19 Sep – one larva on Sheep's Sorrel (*Rumex acetosella* sp.), Halfway Wall (Stella Beavan & Bob Heckford).

822 ***Scrobipalpa acuminatella*** (a micro-moth)

17 Sep – larvae mining leaves of Spear Thistle (*Cirsium vulgare*), near Millcombe House; and near South Light on 21 Sep (Stella Beavan & Bob Heckford).

839 ***Nothris congressariella*** (a micro-moth)

17 Sep – early instar larva on Balm-leaved Figwort (*Scrophularia scorodonia*) by the Beach Road in the Landing Bay (Stella Beavan & Bob Heckford).

966 ***Cochylis atricapitana*** (a micro-moth)

18 Sep – a few larvae in stems of Common Ragwort (*Senecio jacobaea*), East Side (Stella Beavan & Bob Heckford).

1053 ***Acleris hastiana*** (a micro-moth)

17 Sep – several larvae in spun leaves of willow (*Salix* sp.) St John's Valley; moths reared (Stella Beavan & Bob Heckford).

1342 ***Eudonia angustea*** (a micro-moth)

20 & 22 Sep – singles at actinic light, Government House (Stella Beavan & Bob Heckford).

22 Sep – one at actinic light, Government House (Stella Beavan & Bob Heckford).

13 & 15 Oct – three and one, respectively, at actinic light, Castle (Tony John).

1385 ***Ebulea crocealis*** (a micro-moth)

18 Sep – one larva on Common Fleabane (*Pulicaria dysenterica*), East Side between Government House and Terrace (Stella Beavan & Bob Heckford).

1395 **Rusty-dot Pearl** *Udea ferrugalis* (a micro-moth)

18 Sep – one adult, east sidelands (Stella Beavan & Bob Heckford).

22 Sep – one adult, Millcombe (Stella Beavan & Bob Heckford).

13 Oct – one at actinic light, Castle (Tony John).

16 Oct – one along East Side Path (Tony John).

16 Oct – one at Brambles (Tony Taylor).

1442 ***Pempelia palumbella*** (a micro-moth)

19 & 23 Sep – a few early instar larvae on Bell Heather (*Erica cinerea*) towards South West Point on 19th; a few early instar larvae, also on Bell Heather, near The Cheeses on 23rd (Stella Beavan & Bob Heckford).

1484 ***Phycitodes saxicola*** (a micro-moth)

17 Sep – several larvae in seedheads of mayweed (*Matricaria* sp.) and Common Ragwort (*Senecio jacobaea*) between Government House and Landing Bay (Stella Beavan & Bob Heckford).

1638 **Fox Moth** *Macrothylacia rubi*

In spring, single (over-wintered) larvae reported on 27 & 28 Apr and on 4 & 5 May.

In autumn, recorded between 15 Aug (one) and 2 Nov (six), with a maximum of 50 on both 23 Sep at Jenny's Cove (Stella Beavan & Bob Heckford) and 26 Sep along the Lower East Side Path (Colin Lee & Michael Williams). A note in the logbook for 18 Oct reads: "Many dead as well as live Fox Moth caterpillars. On a few live and dead we saw several pinky-cream parasites (about 4 mm long) anchored by mouthparts." Editors' note: these were most likely the larvae of one of the parasitoid ichneumon wasps (e.g. from the family Braconidae), which inject their eggs into butterfly and moth caterpillars. The wasp larvae feed internally on the caterpillar, avoiding vital organs to keep their host alive. They then emerge through the caterpillar's skin before pupating on the outside of the doomed host, which may even spin a web in which the developing pupae are protected.

1651 **Chinese Character** *Cilix glaucata*

7 May – one at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).

1669 **Common Emerald** *Hemithea aestivaria*

27 Jun – one near Millcombe House.

- 1689 **Mullein Wave** *Scopula marginepunctata*
10 May – two at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).
- 1724 **Red Twin-spot Carpet** *Xanthorhoe spadicearia* or 1725 **Dark-barred Twin-spot Carpet** *Xanthorhoe ferrugata*
7 May – one at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).
- 1727 **Silver-ground Carpet** *Xanthorhoe montanata*
12 May – one at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).
- 1728 **Garden Carpet** *Xanthorhoe fluctuata*
10 May – one at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).
- 1764 **Common Marbled Carpet** *Chloroclysta truncata*
15 Oct – one at actinic light, Castle (Tony John).
- 1778 **May Highflyer** *Hydriomena impluviata*
12 May – one at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).
- unidentified pug** *Eupithecia* sp.
7 & 12 May – singles at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).
- 1867 **Treble-bar** *Aplocera plagiata*
20 & 21 Sep – one female at actinic light, Government House on 20th, with a male on 21st (Stella Beavan & Bob Heckford).
- 1884 **The Magpie** *Abraxas grossulariata*
23 Jul – one on path between Government House and Millcombe House.
6-8 Aug – recorded during moth trapping at Brambles (Andrew Cleave).
7 Aug – one outside Blue Bung.
- 1906 **Brimstone Moth** *Opisthograptis luteolata*
7 May – one at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).
7 Aug – one in bracken near The Ugly.
20 Sep – one at actinic light, Government House (Stella Beavan & Bob Heckford).
- 1917 **Early Thorn** *Selenia dentaria*
7 May – one at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).
6-8 Aug – recorded during moth trapping at Brambles (Andrew Cleave).
- 1994 **Buff-tip** *Phalera bucephala*
9 to 11 May – one each night at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).
- 2028 **Pale Tussock** *Calliteara pudibunda*
12 May – one at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).
- 2050 **Common Footman** *Eilema lurideola*
6-8 Aug – recorded during moth trapping at Brambles (Andrew Cleave).
- 2057 **Garden Tiger** *Arctia caja*
4 May – one larva near Tibbetts.

6 May – one larva at Quarter Wall.
7 May – two larvae at South End.
8 May – one larva in Middle Park.
25-28 Jul – single moths at Tavern doorway, Tavern toilet block and in Black Shed.

2060 **White Ermine** *Spilosoma lubricipeda*

7 May – one at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).
2 Jun – two by Tavern doorway.

2061 **Buff Ermine** *Spilosoma luteum*

12 May – one at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).

2064 **Ruby Tiger** *Phragmatobia fuliginosa*

28 Apr – one on Upper East Side Path south of Quarter Wall.
14 Oct – one larva (Tony John).

2078 **Least Black Arches** *Nola confusalis*

10 May – one at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).

2080 **Small Square-spot Dart** *Euxoa obelisca*

8 Aug – recorded during moth trapping at Brambles (Andrew Cleave).

2087 **Turnip Moth** *Agrotis segetum*

7 & 9 May – singles at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).
20 to 22 Sep – up to two at actinic light, Government House (Stella Beavan & Bob Heckford).
13 & 16 Oct – singles at actinic light, Castle (Tony John).

2089 **Heart & Dart** *Agrotis exclamationis*

7, 9 & 10 May – singles at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).

2090 **Crescent Dart** *Agrotis trux lunigera*

6-8 Aug – recorded during moth trapping at Brambles (Andrew Cleave).
20 to 23 Sep – recorded each night at actinic light, Government House, with max of five on 20th (Stella Beavan & Bob Heckford).
13 & 15 Oct – five and one, respectively, at actinic light, Castle (Tony John).

2091 **Dark Sword-grass** *Agrotis ipsilon*

21 & 22 Sep – singles at actinic light, Government House (Stella Beavan & Bob Heckford).
15 Oct – one at actinic light, Castle (Tony John).
16 Oct – one at Brambles (Tony Taylor).

2102 **Flame Shoulder** *Ochropleura plecta*

10 May – three at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).
22 Sep – one at actinic light, Government House (Stella Beavan & Bob Heckford).

2107 **Large Yellow Underwing** *Noctua pronuba*

10 May – one at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).
6-8 Aug – recorded during moth trapping at Brambles (Andrew Cleave).
20 to 22 Sep – up to two at actinic light, Government House (Stella Beavan & Bob Heckford).

2109 **Lesser Yellow Underwing** *Noctua comes*

6-8 Aug – recorded during moth trapping at Brambles (Andrew Cleave).
19 to 22 Sep – up to two at actinic light, Government House (Stella Beavan & Bob Heckford).

2117 **Autumnal Rustic** *Eugnorisma glareosa*

21 to 23 Sep – singles each night at actinic light, Government House (Stella Beavan & Bob Heckford).

2123 **Small Square-spot** *Diarsia rubi*

10 May – one at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).
22 & 23 Sep – singles at actinic light, Government House (Stella Beavan & Bob Heckford).

2126 **Setaceous Hebrew Character** *Xestia c-nigrum*

10 May – two at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).
20 & 22 Sep – six at actinic light, Government House (Stella Beavan & Bob Heckford).
13 Oct – one at actinic light, Castle (Tony John).

2134 **Square-spot Rustic** *Xestia xanthographa*

19 to 23 Sep – trapped nightly at actinic light, Government House, with max of six on 20th & 23rd (Stella Beavan & Bob Heckford).

2145 **The Nutmeg** *Discestra trifolii*

10 May – one at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).

2160 **Bright-line Brown-eye** *Lacanobia oleracea*

7 to 12 May – except for 11 May, recorded nightly at 6W actinic light trap in garden of Millcombe House, with max of 23 on 10th (Steve O'Donnell).

2171 **Marbled Coronet** *Hadena confusa*

7 to 12 May – except for 11 May, recorded nightly at 6W actinic light trap in garden of Millcombe House, with max of six on 10th (Steve O'Donnell).

2173 **The Lychnis** *Hadena bicurris*

9, 10 & 12 May – up to three at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).
6 to 8 Aug – recorded during moth trapping at Brambles (Andrew Cleave).

2176 **Antler Moth** *Cerapteryx graminis*

24 & 25 Jul – one around the Tavern doorway and toilet block.
6 to 8 Aug – recorded during moth trapping at Brambles (Andrew Cleave).
26 Aug – one.
22 Sep – one at actinic light, Government House (Stella Beavan & Bob Heckford).

2187 **Common Quaker** *Orthosia cerasi*

7 & 12 May – singles at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).

2190 **Hebrew Character** *Orthosia gothica*

9 & May – singles at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).

2205 **Shoulder-striped Wainscot** *Mythimna comma*

10 May – one at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).

2221 **The Mullein** *Shargacucullia verbasci*

10 May – one at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).

2232 **Black Rustic** *Aporophyla nigra*

22 Sep – one at actinic light, Government House (Stella Beavan & Bob Heckford).
13 to 15 Oct – recorded nightly at actinic light, Castle, with max of three on 14th (Tony John).

2241 **Red Sword-grass** *Xylena vetusta*

16 Oct – one, Brambles (Tony Taylor).

2252 **Large Ranunculus** *Polymixis flavicincta*

20 & 22 Sep – singles at actinic light, Government House (Stella Beavan & Bob Heckford).

2255 **Feathered Ranunculus** *Polymixis lichenea*

21 to 23 Sep – recorded nightly at actinic light, Government House, with max of four on 23rd (Stella Beavan & Bob Heckford).

13 Oct – one at actinic light, Castle (Tony John).

2264 **Yellow-line Quaker** *Agrochola macilenta*

15 Oct – one at actinic light, Castle (Tony John).

2270 **Lunar Underwing** *Omphaloscelis lunosa*

19 to 23 Sep – recorded nightly at actinic light, Government House, with numbers rising from five on 19th, to 13 on 20th, 22 on 21st, 36 on 22nd and 31 on 23rd (Stella Beavan & Bob Heckford).

13 to 15 Oct – up to three at actinic light, Castle (Tony John).

2289 **Knot Grass** *Acrionicta rumicis*

7 to 11 May – ones and twos nightly at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).

6-8 Aug – recorded during moth trapping at Brambles (Andrew Cleave)

6 Oct – one larva (Tim Davis).

2295 **Marbled Green** *Cryphia muralis*

24 Sep – one found dead in building at the Jetty (Stella Beavan & Bob Heckford).

2306 **Angle Shades** *Phlogophora meticulosa*

7 May – one at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).

20 & 23 Sep – singles at actinic light, Government House (Stella Beavan & Bob Heckford).

14 Oct – one at actinic light, Castle (Tony John).

24 Oct – one at Brambles (Tony Taylor).

2321 **Dark Arches** *Apamea monoglypha*

25 Jul – one, Lighthouse Field.

22 Sep – four at actinic light, Government House (Stella Beavan & Bob Heckford).

2342 **Rosy Minor** *Mesoligia literosa*

6-8 Aug – recorded during moth trapping at Brambles (Andrew Cleave).

2350 **Small Wainscot** *Chortodes pygmina*

6-8 Aug – recorded during moth trapping at Brambles (Andrew Cleave).

2353 **Flounced Rustic** *Luperina testacea*

6-8 Aug – recorded during moth trapping at Brambles (Andrew Cleave).

19 to 23 Sep – recorded nightly at actinic light, with max of 12 on 21st Government House (Stella Beavan & Bob Heckford).

2361 Rosy Rustic *Hydraecia micacea*

18 Sep – one, Tavern (Stella Beavan & Bob Heckford).

2364 Frosted Orange *Gortyna flavago*

20 to 22 Sep – up to three at actinic light, Government House (Stella Beavan & Bob Heckford).

2379 Small Rufous *Coenobia rufa*

21 Sep – one at actinic light, Government House (Stella Beavan & Bob Heckford).

2380 Treble Lines *Charanyca trigrammica*

10 May – one at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).

2450 The Spectacle *Abrostola tripartita*

10 May – one at 6W actinic light trap in garden of Millcombe House (Steve O'Donnell).

2477 The Snout *Hypena proboscidalis*

6-8 Aug – recorded during moth trapping at Brambles (Andrew Cleave).

CADDIS FLIES (Trichoptera)

Unidentified caddis fly

5 Jun – present, along with thick-headed flies (Dolichopodidae), midges (Chironomidae) and a jumping bristletail *Petrobius* sp. (Machilidae), at small seepages in Quarry Bay (Roger & Rosy Key, Steve Compton).

BUGS (Hemiptera)

A pond skater *Gerris gibbifer*

27 Jun – one on water-filled ruts at North End; another at Widow's Tenement Pond (Alan Rowland).

DAMSELFLIES & DRAGONFLIES (Odonata)

Common Blue Damselfly *Enallagma cyathigerum*

24 Jun to 8 Jul – 12, including both males and females, at Quarter Wall Pond (Alan & Sandra Rowland).

unidentified hawkier dragonfly *Aeshna* sp.

1-15 Oct – one in Lower Millcombe on three dates.

Common Darter *Sympetrum striolatum*

1 Oct – a male at Pig's Paradise Pond (James Diamond).

3 Oct – singles at the Terrace, along the main track above Gannets' Combe and along the Lower East Side Path below Threequarter Wall (Tim Davis).

6 Oct – one (Richard Campey).

1 Nov – a dragonfly, thought by observer probably to be this species, around spring in Middle Park.

GRASSHOPPERS & CRICKETS (Orthoptera)

Speckled Bush Cricket *Leptophyes punctatissima*
7 May – present in Millcombe (Mark G. Telfer).

OTHER INVERTEBRATES

Horse Leech *Haemopsis sanguisuga*
23 Apr – one in Quarter Wall Pond (Alan Rowland).

FLORA

Sequence and nomenclature follow Stace, C. 2010. *New Flora of the British Isles*. 3rd edition. Cambridge University Press.

Bob Hodgson (Botanical Society of the British Isles (BSBI) Recorder for North Devon) visited Lundy in May and August and compiled a detailed list of more than 180 taxa and the 1-km squares in which they were recorded. This is attached as **Annex 1**. Alan and Sandra Rowland's records, for their visit from 25 June to 9 July, are attached as **Annex 2**. A few highlights from both Annexes are included below, among the very few botanical records entered in the LFS Logbook during 2011.

Ferns

Small Adder's-tongue *Ophioglossum azoricum*
9 Jun – "Just going over, immediately west of Tibbett's, not possible to count realistically" (Roger & Rosy Key, Steve Compton).

Rustyback *Ceterach officinarum*
Alan and Sandra Rowland counted 323 plants on the boundary wall around upper Millcombe and St John's Valley during their visit in Jun/Jul. Plants spreading to the east side of the wall by Blue Bung, 6-8 Aug (Andrew Cleave).

Flowering plants

Round-leaved Sundew *Drosera rotundifolia*
Recorded in the wet flushes at the North Quarry on 23 Apr (Alan Rowland). Editors' comment: this appears to be a new location for this species on the island; please get in touch if you know differently!

Bell Heather *Erica cinerea*
Scattered clumps with pure white flowers, West Side from Ackland's Moor to Earthquake, 24 Jul (Tim Jones); one such clump also noted by another observer on 9 Aug.

Primrose *Primula vulgaris*
Flowering at the lower end of the path to Quarry Beach on the unseasonable date of 19 Dec.

Lesser Skullcap *Scutellaria minor*
Locally common about 250 m north of Quarter Wall 6-8 Aug (Andrew Cleave).

English Eyebright *E. officinalis* ssp. *anglica* (= *Euphrasia anglica*)
Recorded at the North End and between the jetty and Millcombe in May/June; the first record for Lundy (Bob Hodgson). Bob has reported: "I managed a couple of days' intensive botanical recording on Lundy in 2011 and found that English Eyebright was quite common on heathland

at the North End and also along a small track off the Beach Road. I did not realise the significance until I looked up previous eyebright records for Lundy. These were limited to the aggregate species plus a couple of records of Western Eyebright (*Euphrasia tetraquetra*). English Eyebright was therefore a new taxon for the island, although I suspect it had been seen previously but recorded as the aggregate species '*Euphrasia officinalis* agg.' or 'eyebright agg.'. Eyebrights are difficult to determine to species level – a challenge not helped by their tendency to hybridise – so many recorders simply identify them as eyebright agg.

Eight species of eyebright are known from Devon, though two are very rare. The English Eyebright, found this year on Lundy, was formerly known as Glandular Eyebright – an apt name for one of the easier eyebrights to identify due to its covering of abundant glandular hairs. The only other Devon species with glandular hairs is very rare and has deep purple flowers. English Eyebright plants tend to be fairly small, often branched and have small flowers that are mainly white, with a white or lilac lower lip and a lilac upper lip. They are common in damp grassland and heathland, especially on Dartmoor, to a lesser extent on Exmoor, and occasional in NW Devon. The only other eyebright recorded to species on Lundy is Western Eyebright, which is found on maritime turf and has a rather characteristic compact appearance and no glands on the hairs."

LICHENS

Golden Hair Lichen *Teloschistes flavicans*

23 Sep – near The Cheeses (Bob Heckford).

FUNGI

Clouded Agaric *Clitocybe nebularis*

On 12 Nov visitors reported a large fairy ring north of Old Light. Nicola Saunders (Lundy Warden) went to investigate on 13th and measured a diameter of 12 m, with individual fruiting bodies of up to 20 cm in diameter. Images were emailed to John Hedger, who confirmed the species as Clouded Agaric.

A slime mould *Leocarpus fragilis*

An unidentified 'fungus' was found by Neil Thomas between Quarter Wall and Pondsburry, approached from the West Side, on 27 Dec. John Hedger has commented: "This is not a true fungus but a 'slime mould' or myxomycete, more related to the amoebas etc (Protista) than fungi, but we claim them. Part of the life cycle involves a plasmodium – a giant cell with lots of nuclei which crawls about – slowly to be sure – feeding on bacteria and fungi by phagocytosis. Eventually the whole plasmodium turns into sporangia, like this one. It is *Leocarpus fragilis*. We have found it around the North End on heather. Plasmodium is a bright yellow slime, but it turns into these lovely orange sporangia. This is the 3rd record for Lundy."

Lundy Fungi Survey (John Hedger)

This continued in 2011 with two visits, 7-14 Oct (with Jenny & David George) and 4-11 Nov (with Alan & Sandra Rowland and Andre & Marie-Jo Coutanche). During the Oct visit, in spite of the very dry conditions, 124 species of fungi were recorded, of which 41 appear to be new additions to the Lundy mycoflora. There were four new records of waxcaps (*Hygrocybe*): *H. glutinipes*, *H. cantharellus*, *H. persistens* var *persistens*, from the Airfield & Old Hospital, and *H. irrigata* from above North Light. The Lundy waxcap species and varieties now total 28. Growing alongside the waxcaps in short turf were many species of 'pink gills' (*Entoloma*), five of which were new records, including the very beautiful deep blue *Entoloma serrulatum*. New records were also made of fungi growing on wood. A clump of large orange toadstools growing on the trunk of an

Ash by the road up to Windy Corner proved to be the Golden Scaly Cap (*Pholiota adiposa*), previously found on the same tree by Diana Keast in 2007, but in a dried and unidentifiable state.

In Nov, 141 species of fungi were recorded, of which 13 were new records for Lundy. A large orange-yellow hoof-shaped bracket fungus, *Perenniporia ochroleuca*, found on Blackthorn trunks beside the path from Government House to the Old School House, proved to be a new Lundy record, identified by Martyn Ainsworth (Kew Herbarium). Martyn says it is a fungus only recently recorded from Cornwall. It is probably a new record for North Devon and seems to be spreading along the SW coast. 'Fairy Rings' of toadstools were especially abundant, the commonest being rings 1-2 m in diameter of the small, edible Fairy Ring Champignon (*Marasmius oreades*), confusingly similar to and growing alongside the poisonous False Fairy Ring Champignon (*Clitocybe rivulosa* and *C. dealbata*). There were also many bigger Fairy Rings formed by the purple, but highly edible, Wood Blewitt (*Lepista nuda*) and the grey, poisonous Clouded Agaric (*Clitocybe nebularis*) – see note opposite.

A new addition to the Lundy list, a 'slime fungus' or Myxomycete, *Mucilago crustacea*, was abundant as white patches on the grass all over Castle Hill. Not as attractive as the *Leocarpus fragilis* found by Neil Thomas (see note opposite) – indeed correctly said by the books to resemble patches of dog vomit!

Finally, the opportunity was taken in Nov to continue with surveys of populations of fungi. On the Airfield, eight transects (9 m wide x 50 m long) were counted and 41 species were found, with 147 fruit bodies in the area covered by one transect (i.e. 450 m²)! The island-wide distribution of the Grey Waxcap (*Hygrocybe lacmus*) was again surveyed and found intriguingly to be entirely restricted to occurrence with heather on very shallow peat at the North End. The survey of mycorrhizal (helper) toadstools associated with Dwarf Willow (*Salix reticulata*) in Punchbowl Valley and around Pondsburry was continued and eight species have now been found; some are UK rarities, including two Brittle Gills (*Russula nana* and *R. anthracina*), two Milk Caps (*Lactarius aurantiacus* and *L. lacunarum*) and a tube mushroom or bolete (*Leccinum salicicola*) – the latter as big as the Dwarf Willow with which it was growing!

**ANNEX 1. Botanical records compiled by Bob Hodgson for 21 May and 2 August 2011
– taxa listed alphabetically by scientific name and by 1-km square(s) in which recorded**

		21 May 2011			2 August 2011		
		SS 1343	SS 1344	SS 1345	SS 1346	SS 1347	SS 1443
<i>Acer pseudoplatanus</i>	Sycamore		✓				✓
<i>Achillea millefolium</i>	Yarrow	✓	✓	✓	✓	✓	✓
<i>Agrostis capillaris</i>	Common Bent	✓	✓	✓			
<i>Agrostis curtisii</i>	Bristle Bent		✓	✓			
<i>Agrostis stolonifera</i>	Creeping Bent			✓		✓	
<i>Aira caryophylla</i>	Silver Hair-grass			✓			
<i>Aira praecox</i>	Early Hair-grass		✓	✓	✓	✓	
<i>Alisma plantago-aquatica</i>	Water-plantain						✓
<i>Alnus glutinosa</i>	Alder		✓				✓
<i>Anagallis arvensis</i>	Scarlet Pimpernel	✓			✓		✓
<i>Anagallis tenella</i>	Bog Pimpernel	✓				✓	
<i>Angelica sylvestris</i>	Wild Angelica			✓			
<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	✓	✓	✓	✓		✓
<i>Anthyllis vulneraria</i>	Kidney Vetch						✓
<i>Apium nodiflorum</i>	Fool's Watercress	✓	✓		✓		✓
<i>Arctium minus</i> (= <i>A. pubens</i>)	Lesser Burdock	✓	✓				✓
<i>Armeria maritima</i>	Thrift	✓	✓	✓	✓	✓	✓
<i>Arrhenatherum elatius</i>	False Oat-grass		✓				✓
<i>Arum maculatum</i>	Lords-and-Ladies (= Cuckoo Pint)						✓
<i>Asplenium adiantum-nigrum</i>	Black Spleenwort		✓	✓			✓
<i>Asplenium marinum</i>	Sea Spleenwort			✓		✓	✓
<i>Asplenium trichomanes</i>	Maidenhair Spleenwort			✓			✓
<i>Athyrium filix-femina</i>	Lady-fern			✓		✓	
<i>Bellis perennis</i>	Daisy	✓	✓				
<i>Beta vulgaris</i> ssp. <i>maritima</i>	Sea Beet	✓					
<i>Brachypodium sylvaticum</i>	False Brome	✓					✓
<i>Callitriche stagnalis</i>	Common Water-starwort			✓	✓		✓
<i>Calluna vulgaris</i>	Heather (= Ling)	✓	✓	✓	✓	✓	✓
<i>Carduus tenuiflorus</i>	Slender Thistle	✓					✓
<i>Carex arenaria</i>	Sand Sedge	✓	✓	✓	✓		

ANNEX 1, continued

		21 May 2011			2 August 2011		
		SS 1343	SS 1344	SS 1345	SS 1346	SS 1347	SS 1443
<i>Carex binervis</i>	Green-ribbed Sedge	✓	✓	✓	✓	✓	
<i>Carex demissa</i> (= <i>C. viridula</i> ssp. <i>oedocarpa</i>)	Common Yellow Sedge	✓		✓	✓		
<i>Carex echinata</i>	Star Sedge	✓					
<i>Carex flacca</i>	Glaucous Sedge	✓					
<i>Carex leporina</i> (= <i>C. ovalis</i>)	Oval Sedge				✓	✓	
<i>Carex nigra</i>	Common Sedge				✓	✓	
<i>Carex panicea</i>	Carnation Sedge	✓			✓		
<i>Carex paniculata</i>	Greater Tussock-sedge					✓	✓
<i>Carex pilulifera</i>	Pill Sedge	✓		✓			
<i>Catapodium marinum</i>	Sea Fern-grass		✓	✓			
<i>Centaureum erythraea</i>	Common Centaury	✓					
<i>Centranthus ruber</i>	Red Valerian						✓
<i>Cerastium diffusum</i>	Sea Mouse-ear				✓		
<i>Cerastium fontanum</i>	Common Mouse-ear	✓	✓	✓	✓		✓
<i>Cirsium arvense</i>	Creeping Thistle		✓				✓
<i>Cirsium palustre</i>	Marsh Thistle		✓	✓	✓	✓	✓
<i>Cirsium vulgare</i>	Spear Thistle		✓	✓	✓		✓
<i>Cochlearia danica</i>	Danish Scurvygrass				✓		
<i>Coincya wrightii</i>	Lundy Cabbage						✓
<i>Conium maculatum</i>	Hemlock						✓
<i>Coronopus didymus</i>	Lesser Swine-cress				✓		✓
<i>Crataegus monogyna</i>	Hawthorn						✓
<i>Crepis capillaris</i>	Smooth Hawk's-beard						✓
<i>Crithmum maritimum</i>	Rock Samphire						✓
<i>Cymbalaria muralis</i>	Ivy-leaved Toadflax						✓
<i>Cytisus scoparius</i>	Broom			✓			
<i>Dactylis glomerata</i>	Cock's-foot	✓	✓				✓
<i>Daucus carota</i>	Wild Carrot						✓
<i>Deschampsia cespitosa</i>	Tufted Hair-grass	✓	✓				
<i>Digitalis purpurea</i>	Foxglove		✓	✓			✓

ANNEX 1, continued

		21 May 2011			2 August 2011		
		SS 1343	SS 1344	SS 1345	SS 1346	SS 1347	SS 1443
<i>Dryopteris aemula</i>	Hay-scented Buckler-fern			✓		✓	✓
<i>Dryopteris dilatata</i>	Broad Buckler-fern			✓		✓	✓
<i>Dryopteris filix-mas</i>	Male-fern		✓	✓		✓	✓
<i>Eleocharis multicaulis</i>	Many-stalked Spike-rush			✓	✓	✓	
<i>Eleocharis palustris</i>	Common Spike-rush	✓		✓			
<i>Eleogiton fluitans</i>	Floating Club-rush	✓			✓	✓	
<i>Epilobium obscurum</i>	Short-fruited Willowherb			✓			
<i>Erica cinerea</i>	Bell Heather	✓	✓	✓	✓	✓	✓
<i>Erica tetralix</i>	Cross-leaved Heath	✓	✓	✓	✓	✓	
<i>Eriophorum angustifolium</i>	Common Cottongrass				✓		
<i>Erodium maritimum</i>	Sea Stork's-bill		✓	✓	✓		✓
<i>Escallonia</i> sp.	Escallonia						✓
<i>Euphrasia officinalis</i> ssp. <i>anglica</i>	English Eyebright				✓		✓
<i>Euphrasia tetraquetra</i>	Western Eyebright						✓
<i>Festuca rubra</i>	Red Fescue	✓	✓		✓		✓
<i>Fraxinus excelsior</i>	Ash		✓				✓
<i>Fuchsia magellanica</i>	Fuchsia						✓
<i>Galium palustre</i>	Common Marsh-bedstraw		✓	✓			
<i>Galium saxatile</i>	Heath Bedstraw	✓		✓	✓	✓	
<i>Geranium molle</i>	Dove's-foot Crane's-bill		✓		✓		✓
<i>Glechoma hederacea</i>	Ground-ivy			✓	✓		
<i>Gnaphalium uliginosum</i>	Marsh Cudweed				✓		
<i>Hedera helix</i>	Common Ivy						✓
<i>Heracleum sphondylium</i>	Hogweed		✓				✓
<i>Hieracium umbellatum</i>	Umbellate Hawkweed			✓			✓
<i>Holcus lanatus</i>	Yorkshire-fog	✓	✓	✓	✓	✓	✓
<i>Hyacinthoides non-scripta</i>	Bluebell		✓	✓	✓	✓	✓
<i>Hydrocotyle vulgaris</i>	Marsh Pennywort	✓		✓		✓	
<i>Hypericum elodes</i>	Marsh St John's-wort			✓	✓	✓	
<i>Hypericum humifusum</i>	Trailing St John's-wort			✓			
<i>Hypericum pulchrum</i>	Slender St John's-wort			✓			✓

ANNEX 1, continued

		21 May 2011			2 August 2011		
		SS 1343	SS 1344	SS 1345	SS 1346	SS 1347	SS 1443
<i>Hypochaeris radicata</i>	Cat's-ear	✓	✓	✓	✓	✓	✓
<i>Iris pseudacorus</i>	Yellow Iris						✓
<i>Jasione montana</i>	Sheep's-bit	✓	✓	✓	✓		✓
<i>Juncus acutiflorus</i>	Sharp-flowered Rush		✓	✓	✓	✓	
<i>Juncus articulatus</i>	Jointed Rush	✓					
<i>Juncus bulbosus</i>	Bulbous Rush	✓			✓		
<i>Juncus conglomeratus</i>	Compact Rush			✓			
<i>Juncus effusus</i>	Soft-rush	✓	✓	✓	✓	✓	
<i>Leontodon autumnalis</i>	Autumnal Hawkbit						✓
<i>Leontodon saxatilis</i>	Lesser Hawkbit	✓	✓	✓			
<i>Leucanthemum vulgare</i>	Oxeye Daisy						✓
<i>Lolium perenne</i>	Perennial Rye-grass						
<i>Lonicera periclymenum</i>	Honeysuckle		✓	✓		✓	✓
<i>Lotus corniculatus</i>	Common Bird's-foot-trefoil	✓	✓	✓	✓		✓
<i>Lotus pedunculatus</i>	Greater Bird's-foot-trefoil	✓	✓	✓	✓	✓	
<i>Luzula campestris</i>	Field Wood-rush			✓	✓	✓	
<i>Luzula multiflora</i>	Heath Wood-rush			✓			
<i>Lythrum portula</i>	Water-purslane					✓	
<i>Malva sylvestris</i>	Common Mallow	✓					
<i>Molinia caerulea</i>	Purple Moor Grass		✓	✓	✓		
<i>Montia fontana</i>	Blinks			✓	✓	✓	
<i>Myosotis discolor</i>	Changing Forget-me-not	✓					
<i>Myosotis secunda</i>	Creeping Forget-me-not			✓	✓	✓	
<i>Nardus stricta</i>	Mat-grass	✓					
<i>Oenanthe crocata</i>	Hemlock Water-dropwort						✓
<i>Osmunda regalis</i>	Royal Fern			✓			
<i>Pedicularis sylvatica</i>	Lousewort			✓	✓	✓	
<i>Phyllitis scolopendrium</i>	Hart's-tongue						✓
<i>Pilosella officinarum</i>	Mouse-ear-hawkweed						✓
<i>Pinus radiata</i>	Monterey Pine		✓				
<i>Plantago coronopus</i>	Buck's-horn Plantain	✓	✓	✓	✓	✓	✓

ANNEX 1, continued

		21 May 2011			2 August 2011		
		SS 1343	SS 1344	SS 1345	SS 1346	SS 1347	SS 1443
<i>Plantago lanceolata</i>	Ribwort Plantain						✓
<i>Plantago major</i>	Greater Plantain				✓		✓
<i>Poa annua</i>	Annual Meadow-grass		✓	✓			✓
<i>Poa humilis</i>	Spreading Meadow-grass			✓			
<i>Polygala serpyllifolia</i>	Heath Milkwort		✓	✓	✓	✓	
<i>Polypodium interjectum</i>	Intermediate Polypody						✓
<i>Polypodium vulgare</i>	Polypody		✓	✓			✓
<i>Potamogeton polygonifolius</i>	Bog Pondweed	✓		✓	✓	✓	
<i>Potentilla anglica</i>	Trailing Tormentil		✓				
<i>Potentilla anserina</i>	Silverweed	✓					
<i>Potentilla erecta</i>	Tormentil	✓	✓	✓	✓	✓	
<i>Primula vulgaris</i>	Primrose						✓
<i>Prunella vulgaris</i>	Selfheal		✓	✓	✓		
<i>Prunus spinosa</i>	Blackthorn		✓				✓
<i>Pteridium aquilinum</i>	Bracken	✓	✓	✓	✓	✓	
<i>Pulicaria dysenterica</i>	Common Fleabane	✓					
<i>Quercus cerris</i>	Turkey Oak						✓
<i>Quercus petraea</i>	Sessile Oak						✓
<i>Radiola linoides</i>	Allseed	✓		✓			
<i>Ranunculus ficaria</i>	Lesser Celandine						✓
<i>Ranunculus flammula</i>	Lesser Spearwort	✓	✓	✓	✓		✓
<i>Ranunculus omiophyllus</i>	Round-leaved Crowfoot			✓		✓	
<i>Ranunculus repens</i>	Creeping Buttercup	✓	✓	✓	✓		✓
<i>Rubus fruticosus</i> agg.	Bramble		✓	✓			✓
<i>Rumex acetosa</i>	Common Sorrel		✓	✓		✓	✓
<i>Rumex acetosella</i>	Sheep's Sorrel	✓	✓	✓	✓	✓	✓
<i>Rumex crispus</i>	Curled Dock	✓		✓			✓
<i>Rumex obtusifolius</i>	Broad-leaved Dock	✓	✓				✓
<i>Sagina procumbens</i>	Procumbent Pearlwort	✓		✓	✓	✓	✓
<i>Sagina subulata</i>	Heath Pearlwort					✓	
<i>Salix cinerea</i> spp. <i>oleifolia</i>	Grey Willow		✓	✓			

ANNEX 1, continued

		21 May 2011			2 August 2011		
		SS 1343	SS 1344	SS 1345	SS 1346	SS 1347	SS 1443
<i>Salix repens</i>	Creeping Willow			✓			
<i>Sambucus nigra</i>	Elder		✓				✓
<i>Scrophularia nodosa</i>	Common Figwort						✓
<i>Scrophularia scorodonia</i>	Balm-leaved Figwort						✓
<i>Sedum anglicum</i>	English Stonecrop	✓	✓	✓	✓	✓	✓
<i>Senecio jacobaea</i>	Common Ragwort		✓	✓			✓
<i>Silene dioica</i>	Red Campion		✓		✓		✓
<i>Silene uniflora</i>	Sea Campion	✓		✓	✓	✓	✓
<i>Smyrnium olusatrum</i>	Alexanders						✓
<i>Solanum dulcamara</i>	Bittersweet			✓			
<i>Solidago virgaurea</i>	Goldenrod			✓			
<i>Sonchus asper</i>	Prickly Sowthistle						✓
<i>Sonchus oleraceus</i>	Smooth Sowthistle			✓			✓
<i>Sorbus aucuparia</i>	Rowan		✓				
<i>Spergularia rupicola</i>	Rock Sea-spurrey	✓	✓	✓	✓	✓	✓
<i>Stachys officinalis</i>	Betony						✓
<i>Stellaria graminea</i>	Lesser Stitchwort	✓					
<i>Stellaria media</i>	Common Chickweed	✓	✓	✓			
<i>Tamarix gallica</i>	Tamarisk		✓				✓
<i>Taraxacum</i> agg.	Dandelion	✓					✓
<i>Teucrium scorodonia</i>	Wood Sage	✓	✓	✓	✓	✓	✓
<i>Thymus polytrichus</i>	Wild Thyme	✓	✓				✓
<i>Trifolium arvense</i>	Hare's-foot Clover		✓				✓
<i>Trifolium repens</i>	White Clover		✓				✓
<i>Tripleurospermum maritimum</i>	Sea Mayweed						✓
<i>Ulex europaeus</i>	Gorse	✓		✓			✓
<i>Ulex gallii</i>	Western Gorse	✓	✓	✓	✓		✓
<i>Umbilicus rupestris</i>	Navelwort (= Wall Pennywort)		✓	✓	✓	✓	✓
<i>Urtica dioica</i>	Common Nettle	✓	✓	✓	✓		✓
<i>Veronica chamaedrys</i>	Germander Speedwell						
<i>Viola riviniana</i>	Common Dog-violet	✓		✓			✓

**ANNEX 2. Botanical records made by Alan & Sandra Rowland, 25 June to 9 July 2011
– taxa listed alphabetically by scientific name**

Scientific name	Common name	Location	Abundance
<i>Achillea millefolium</i>	Yarrow	Benjamin's Chair	✓
<i>Anagallis arvensis</i>	Scarlet Pimpernel		✓
<i>Anagallis tenella</i>	Bog Pimpernel		Abundant
<i>Anthyllis vulneraria</i>	Kidney Vetch		✓
<i>Arctium minus</i> (= <i>A. pubens</i>)	Lesser Burdock	Quarries, Little St John's	✓
<i>Armeria maritima</i>	Thrift		✓
<i>Arum maculatum</i>	Lords-and-Ladies	Little St John's	✓
<i>Asplenium adiantum-nigrum</i>	Black Spleenwort		✓
<i>Asplenium ruta-muraria</i>	Wall-rue	Field gate	9 plants
<i>Asplenium trichomanes</i> ssp. <i>quadrivalens</i>	Maidenhair Spleenwort		✓
<i>Bellis perennis</i>	Daisy		✓
<i>Cerastium fontanum</i>	Common Mouse-ear	Ackland's Moor	✓
<i>Ceterach officinarum</i>	Rustyback	Millcombe / St John's Valley boundary wall Stoneycroft garden	323 plants 4 plants
<i>Coincya wrightii</i>	Lundy Cabbage	Beach Road	✓
<i>Crithmum maritimum</i>	Rock Samphire	Beach Road	✓
<i>Cymbalaria muralis</i>	Ivy-leaved Toadflax	Village area	✓
<i>Dactylorhiza maculata</i>	Heath Spotted-orchid	Pondbury	✓
<i>Digitalis purpurea</i>	Foxglove	East Side	✓
<i>Drosera rotundifolia</i>	Round-leaved Sundew	Pondbury, North Quarry	✓
<i>Dryopteris aemula</i>	Hay-scented Buckler-fern		✓
<i>Eleocharis multiflora</i> ssp. <i>palustris</i>	Common Spike-rush	Ponds	Abundant
<i>Epilobium</i> sp.	willowherb species	Quarry Beach path	✓
<i>Erica tetralix</i>	Cross-leaved Heath	North End	✓
<i>Erodium maritimum</i>	Sea Stork's-bill	Little St John's	✓
<i>Galium saxatile</i>	Heath Bedstraw		✓
<i>Geranium molle</i>	Dove's-foot Crane's-bill	Little St John's	✓
<i>Glechoma hederacea</i>	Ground-ivy	Tibbetts cliff area	✓
<i>Hydrocotyle vulgaris</i>	Marsh Pennywort	Middle Park pond	✓
<i>Hypericum androsaemum</i>	Tutsan	Quarry Beach path	Four plants
<i>Hypericum elodes</i>	Marsh St John's-wort	Pondbury, St James Stone stream	Abundant
<i>Hypericum pulchrum</i>	Slender St John's-wort	Quarry Beach path, Beach Road	✓
<i>Jasione montana</i>	Sheep's-bit		✓
<i>Juncus effusus</i>	Soft-rush	Ponds	Abundant
<i>Lavatera arborea</i>	Tree-mallow	Benjamin's Chair, Farm	✓
<i>Leontodon saxatilis</i> (= <i>L. taraxacoides</i>)	Lesser Hawkbit		✓
<i>Leucanthemum vulgare</i>	Oxeye Daisy	Quarry Beach path	✓

ANNEX 2, continued

Scientific name	Common name	Location	Abundance
<i>Lonicera periclymenum</i>	Honeysuckle	Quarry Beach path, Quarry Pond	✓
<i>Lotus corniculatus</i>	Common Bird's-foot-trefoil		✓
<i>Lysimachia nemorum</i>	Yellow Pimpernel	Quarry Beach path, East Side steps	✓
<i>Matricaria discoidea</i>	Pineappleweed	Gate from Village to Ackland's Moor	✓
<i>Medicago lupulina</i>	Black Medick	Ackland's Moor	✓
<i>Myosotis scorpioides</i>	Water Forget-me-not	Quarry Beach path	✓
<i>Narthecium ossifragum</i>	Bog Asphodel	Pondbury	Occasional
<i>Osmunda regalis</i>	Royal Fern	VC Quarry, North Quarry, Quarry Pond	✓
<i>Pedicularis sylvatica</i>	Lousewort		✓
<i>Phyllitis scolopendrium</i> (= <i>Asplenium scolopendrium</i>)	Hart's-tongue		✓
<i>Polygala vulgaris</i>	Common Milkwort		✓
<i>Polypodium vulgare</i>	Polypody		✓
<i>Potamogeton polygonifolius</i>	Bog Pondweed	Ponds	✓
<i>Potentilla anserina</i>	Silverweed	St John's Valley crossroads	✓
<i>Potentilla erecta</i>	Tormentil		Abundant
<i>Potentilla reptans</i>	Creeping Cinquefoil		Abundant
<i>Prunella vulgaris</i>	Selfheal		Abundant
<i>Ranunculus flammula</i>	Lesser Spearwort	Middle Park pond	✓
<i>Ranunculus repens</i>	Creeping Buttercup		✓
<i>Rumex acetosa</i>	Common Sorrel		Abundant
<i>Scrophularia scorodonia</i>	Balm-leaved Figwort	Beach Road, Quarry Beach path	✓
<i>Scutellaria galericulata</i>	Skullcap	Lower path Gannets' Combe and stream from centre path	Common
<i>Sedum anglicum</i>	English Stonecrop		✓
<i>Senecio jacobaea</i>	Common Ragwort	Quarry Beach path	✓
<i>Senecio vulgaris</i>	Groundsel	Quarry Beach path	✓
<i>Silene dioica</i>	Red Campion		✓
<i>Silene vulgaris</i>	Bladder Campion	Benjamin's Chair	✓
<i>Sonchus asper</i>	Prickly Sowthistle	Benjamin's Chair	✓
<i>Stellaria media</i>	Common Chickweed	Roadside beyond Village gate	✓
<i>Teucrium scorodonia</i>	Wood Sage		Abundant
<i>Thymus polytrichus</i>	Wild Thyme		✓
<i>Trifolium arvense</i>	Hare's-foot Clover	Wall top in Village	✓
<i>Trifolium pratense</i>	Red Clover		Occasional
<i>Trifolium repens</i>	White Clover		Abundant
<i>Umbilicus rupestris</i>	Navelwort (= Wall Pennywort)	Upper East Side Path	✓
<i>Urtica dioica</i>	Common Nettle		✓
<i>Veronica officinalis</i>	Heath Speedwell	Blue Bung	✓
<i>Veronica serpyllifolia</i>	Thyme-leaved Speedwell	Path to Quarry Beach	3 plants
<i>Vicia sylvatica</i>	Wood Vetch	Beach Road	✓