

2009 FAUNA AND FLORA RECORDS (FOR GROUPS OTHER THAN BIRDS)

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The following records are taken from the LFS Logbook and are reproduced here in good faith. No attempt has been made to verify these reports in their entirety but special thanks are again due to Roger Key for his assistance with nomenclature of invertebrate records.

WHALES, DOLPHINS AND PORPOISES (CETACEA)

Minke whale *Balaenoptera acutorostrata*

4 Jun – one watched from kayaks approximately 150m off Quarry Beach swam up to Gannets' Bay, then back to Quarry Bay.

9 Jun – one estimated to be 20 feet in length breached off Half-tide Rock and was seen from the *Jessica Hettie*.

Common dolphin *Delphinus delphis*

5 Jun – 11 or 12 off East Side.

6 Jun – about 250 one mile north-east of the island.

16 Jun – approximately 30 swam north off East Side.

29 Jun – 30+ off South End in tide race.

14 Jul – 12 in the Landing Bay.

12 Aug – pods of 12 and 20 off The Ugly.

29 Aug – 18 off East Side.

7 Sep – 35 to 40 off Rat Island.

10 Sep – at least 50 in the Landing Bay.

13 Sep – 80 to 100 off St Philip's Stone.

21 Sep – three off South Light.

25 Sep – 150 to 200 off East Side.

8 Oct – at least 60 seen from MS *Oldenburg* as she approached the jetty.

12 Oct – 15+ off Brazen Ward.

15 Oct – 12 off East Side.

16 Oct – 12 off Goat Island.

18 Oct – c.40 off East Side.

23 Oct – three off South End.

Bottle-nosed dolphin *Tursiops truncatus*

15 Feb – one feeding of Miller's Cake.

3 Jun – 'large numbers' reported off West Side.

25 Jun – four off West Side.

Harbour porpoise *Phocoena phocoena*

14 Jun – two off East Side.

6 Aug – one off North End.

10 Sep – five off South End.

29 Sep – three off Rat Island.

28 Oct – three off North End.

Unidentified dolphin or porpoise species

16 Jun – 12 seen from Hammers.

22 Jun – four or five off East Side.

27 Jun – two pods feeding in the Landing Bay.

29 Jun – a pod of six dolphins followed dive boat into the Landing Bay.

14 Sep – 20 off Threequarter Wall.

23 Sep – three off North Light.

17 Oct – 20 to 30 off Goat Island.

23 Oct – four or five off North End.

28 Oct – one off North End.

SEALS

Grey seal *Haliochoerus grypus*

Highest counts from the logbook were: 11 on 26 May (location unspecified); 30+ at Shutter Point on 24 Jun; 28 around Brazen Ward on 23 Jul; five at North End on 20 Aug; 17 on 7 Sep (location unspecified); 70+ at North End on 18 Sep; and 22 below Mousehole & Trap on 10 Dec.

SHARKS

Basking shark *Cetorhinus maximus*

1 Jun – one off Brazen Ward was the first of the year.

3 Jun – three off Old Light, heading north at 10.30; one heading north just off the Terrace at 13.00; and one close to North Light at 16.00.

14 Jun – one seen close to the wreck of the *Robert*.

11 Jul – one in the Landing Bay.

OTHER MARINE FISHES

Greater pipefish *Syngnathus acus*

17 Apr – one seen under the jetty.

Unidentified pipefish *Syngnathus* sp.

29 May – one.

Ocean sunfish *Mola mola*

21 Jun – one off South West Point.

27 Jun – one seen on the crossing, but no indication of proximity to the island.

Unidentified sand-eel species

29 May – many.

MARINE INVERTEBRATES

Breadcrumb sponge *Halichondria panicea*, **Strawberry anemone *Actinia fragacea***, **Beadlet anemone *Actinia equina*** and **Snakelocks anemone *Anemonia viridis*** all noted in the Devil's Kitchen on 5 Jun.

Barrel jellyfish *Rhizostoma octopus*

Seen near North Light on 25 Mar, from the jetty on 10 Apr, off Brazen Ward on 12 Apr and off the Quarries on 23 Apr.

Unidentified jellyfish species

Many purple jellyfish (species not identified) seen from the jetty on 29 May.

Comb jelly *Beroë cucumis* – one reported north-east of Quarry Beach on 29 Sep.

Spider crab *Maja squinado*

Three on 29 May.

Crawfish *Palinurus elephas*

One recorded at 22m depth on ledges south of Jenny's Cove, near Needle Rock on 7 Jun.

Rocky shore fauna recorded by Geoff Jones & Nicola Hopkins on 24 May

(presumably in Devil's Kitchen area)

Spiny Starfish *Marthasterias glacialis* (two)

Common cushion star *Asterina gibbosa*

Tompot blenny *Parablennius gattorugine*

Cornish sucker *Lepadogaster lepadogaster* (two)

Lesser pipefish *Syngnathus rostellatus* (five)

Shanny *Lipophrys pholis*

Shore rockling *Gaidropsarus mediterraneus*

Hermit crab *Pagurus bernhardus*

Shore crab *Carcinus maenas*

Broad-clawed porcelain crab *Porcellana platycheles*

Hairy crab *Pilumnus hirtellus*

Edible crab *Cancer pagurus*

Velvet swimming crab *Necora puber*

Prawn *Palaemon serratus*

Strawberry anemone *Actinia fragacea*

Beadlet anemone *Actinia equina*

Snakelocks anemone *Anemonia viridis*

Sea squirts unidentified Ascidians

INTRODUCED FRESHWATER FISHES

Golden orfe *Leuciscus idus*

1 Jul – 15 in Quarry Pond.

Mirror carp *Cyprinus carpio*

1 Jul – one in Quarry Pond.

Crucian carp *Carassius carassius*

1 Jul – 130 in Quarry Pond.

NATIVE LAND MAMMALS

Pygmy shrew *Sorex minutus*

2 Feb – one found dead by The Ugly.

3 Jul – one on path between Halfway Wall and Gull Rock.

4 Jul – one found dead on path from the Church to Benjamin's Chair.

27 Aug – one outside Little St John's.

28 Sep – singles Lower East Side Path and near stone crusher in Tent Field.

1 Oct – one near Tibbett's.

16 Oct – one on Lower East Side Path (see below).

18 Oct – one near Jenny's Cove letterbox.

19 Dec – singles near Old Light, Castle Keep South kitchen and Lower East Side Path.

24 Dec – a very confiding individual was followed for about half-an-hour along the Lower East Side Path.

Andy Robinson wrote in the logbook on 16 Oct: *Spent a fascinating half hour watching a pygmy shrew hunting along the lower east coast path. It was around my feet ignoring me completely. It was following the path south, wandering into the vegetation on each side and disappearing vertically, head first, into the miniature undergrowth, often with its tail waving around like another blade of grass. It caught at least three or four things – no idea what – but one of them was very reluctant to come out of the ground, resulting in a tug of war. The shrew won. At one point it bumped into my boot and later when I spread my hand out on the ground where I anticipated it would go, it ran across the back of my hand. A wonderful experience! Andy added: Little, aren't they?!*

Unidentified bats

9 Jun – 12 bats with calls registered at c.45 kHz were seen emerging from the Old House South roost site between 21.58 and 22.15.

26 Jun – one was seen around Hammers during the evening.

10 Sep – at least one hunting by Quarter Wall after c.21.00hrs.

8 Oct – two bats 'larger than pipistrelles' seen 'north of Village'.

FERAL LAND MAMMALS

The annual survey of feral mammals, coordinated by the National Trust and Natural England, was conducted during the period 7-9 May, resulting in the following maximum counts:

Soay sheep <i>Ovis aries</i>	186
Sika deer <i>Cervus nippon</i>	*56
Feral goat <i>Capra aegagrus hircus</i>	37

*Considered an underestimate, given that the team culling deer on the island in March had reported 80 in a single herd. The highest counts from the LFS logbook were 22 on 23 May and 21 on 28 May and 25 Jul.

Rabbit *Oryctolagus cuniculus*

The feral mammal survey estimated the population at 2,433, based on a count of droppings. This was approximately treble the 2008 estimate, indicating continued rapid recovery from the 2006 population crash caused by myxomatosis.

There were no notable counts of rabbits, soay sheep or feral goats entered in the logbook in 2009.

SPIDERS (Arachnida)

Cross web spider *Araneus diadematus*

One on 27 Sep.

Water spider *Argyroneta aquatica*

Netted at Pondsburry on 27 Sep and noted as 'frequent'.

BEETLES (Coleoptera)

Green tiger beetle *Cicindela campestris*

The first records of the year were on 27 & 28 Apr. Also reported on 24 May.

A diving beetle *Acilius sulcatus*

Female netted at Pondsbury on 27 Sep.

A diving beetle *Agabus bipustulatus*

Netted at Pondsbury on 27 Sep.

A diving beetle *Hyphydrus ovatus*

Netted at Pondsbury on 27 Sep.

Screech beetle *Hygrobia hermanni*

Netted at Pondsbury on 27 Sep.

A water beetle *Noterus clavicornis*

Netted at Pondsbury on 27 Sep and noted as abundant.

A leaf beetle *Chrysolina banksi*

Recorded in Millcombe on 31 May.

A mustard beetle *Phaedon cochleariae*

Recorded on watercress in St John's Valley on 31 May.

Heather beetle *Lochmaea suturalis*

Recorded at North West Point on 2 Jun.

A flea beetle *Psylliodes napi*

One on Lundy cabbage in Millcombe on 31 May.

A flea beetle *Psylliodes lundipennis*

None recorded on Lundy cabbage in Millcombe on 31 May, in spite of extensive sweeping. However, five specimens found on Lundy cabbage at Quarry Bay on 1 Jun (R. Key).

A malachite beetle *Psilothrix viridicoeruleus*

Recorded near Shutter Point.

A ladybird *Coccidula rufa*

Recorded in St John's Valley on 31 May.

Hieroglyphic ladybird *Coccinella hieroglyphica*

Recorded at North West Point on 2 Jun.

A ladybird *Rhyzobius litura*

Recorded in St John's Valley on 31 May.

A pollen beetle *Meligethes viridescens*

Very abundant on Lundy cabbage in Millcombe on 31 May.

A seed weevil *Apion frumentarium* (formerly *A. miniatum*)

The larger red species on dock *Rumex crispus* outside the Church;

A seed weevil *Apion cruentatum*

The, smaller, red species on sheep's sorrel *Rumex acetosella* in the same area on 31 May.

(Both *Apion* names as current in the 2008 UK Checklist on *The Coleopterist* website: www.coleopterist.org.uk/checklist2008%20A5.pdf (accessed 25 January 2010).

Lundy cabbage leaf weevil *Ceutorhynchus contractus pallipes*

Extremely abundant (in both black- and yellow-legged forms) on Lundy cabbage in Millcombe on 31 May.

Cabbage seed weevil *Ceutorhynchus assimilis*

Several on Lundy cabbage in Millcombe on 31 May.

A false weevil *Rhinosimus planirostris*

Two in Millcombe on 4 Jun.

Sulphur beetle *Cteniopus sulphureus*

Abundant on thyme *Thymus* flowers around the Castle and Benson's Cave on 28 Jun.

Unidentified dung beetles

The first of the year were reported near Tibbett's on 10 Mar.

A dumbledor beetle *Geotrupes stercorosus*

A few seen on the Upper East Side Path, 5 Apr.

Minotaur beetle *Typhaeus typhoeus*

A few seen on the Upper East Side Path, 5 Apr.

Rose chafer *Cetonia aurata*

One seen on cow parsley *Anthriscus sylvestris* near Government House on 16 Jun.

Black snail beetle *Silpha atrata*

One recorded on 1 Jun.

Devil's coach-horse *Ocyopus olens*

One near Church on 1 Oct.

FLIES (Diptera)

A dance fly *Aphrosylus celtiber*

Common in the Devil's Kitchen on seaweed-covered rocks on 6 June.

In early June, Steve Compton and Roger Key compiled a good list of empidoidea flies (Empidoidea) from around the island, including some new to Lundy. A full report is planned following further fieldwork in summer 2010.

BUMBLE-BEES & WASPS (Hymenoptera)

The first bumble-bee of the year was reported on 19 Feb. One was seen in Millcombe on an exceptionally warm, sunny day on 10 Dec. There were no counts and no records of identified species.

A chalcid wasp *Eupelmus vesicularis* (Eupelmidae)

One on tormentil *Potentilla erecta* at Halfway Wall Buttress, 1 Jun.

A chalcid wasp *Pirene chalybea* (Pteromalidae)

One male Millcombe trees, 3 Jun.

BUTTERFLIES (Lepidoptera)

Clouded yellow *Colias croceus*

One near Old Light on 29 Oct was the only sighting of the year.

Large white *Pieris brassicae*

Large white: maximum count for each month (top) and number of days recorded (bottom)											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
–	–	–	–	3	10	6	15	8	4	–	–
–	–	–	–	1	13	4	13	11	3	–	–

Recorded between 30 May (three) and 10 Oct (two). Higher counts were ten on 21 June, four counts of 10-15 between 2 & 12 Aug (maximum 15 on 12th), and eight on 10 Sep. One was seen during the crossing on 17 Oct!

Small white *Pieris rapae*

Small white: maximum count for each month (top) and number of days recorded (bottom)											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
–	–	–	25	15	8	15	10	6	13	–	–
–	–	–	6	4	7	6	10	7	5	–	–

Recorded between 11 Apr (25) and 10 Oct (two) with higher numbers including four counts of 10-25 between 11 & 17 Apr, 15 on 9 May, 15 on 14 Jul, ten on 2 & 9 Aug and 13 on 2 Oct. The latest were two on 10 Oct. Some of the spring records may have included overlooked Green-veined whites that would be expected in Apr/May, but which were not entered in the logbook until 30 May.

Green-veined white *Pieris napi*

Green-veined white: max. count for each month (top) and number of days recorded (bottom)											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
–	–	–	–	1	1	1	30	4	–	–	–
–	–	–	–	1	5	1	14	6	–	–	–

Recorded between 30 May (one) and 25 Sep (one), with the only counts of ten or more being in the period 7-10 Aug (max: 30 on 7th).

Small copper *Lycaena phlaeas*

Small copper: 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	20	12	7	–	1	–	–
–	–	–	–	1	8	7	7	–	6	–	–

Recorded between 31 May (two) and 25 Oct (one), with higher counts of 20 on 27 Jun and 12 on 3 Jul.

Common blue *Polyommatus icarus*

Recorded between 21 Apr (one) and 24 Aug (five – the highest number specified during the year, though 'lots' were seen on 30 May).

Holly blue *Celastrina argiolus*

One on 17 & 18 Jun was the only record of the year.

Red admiral *Vanessa atalanta*

Red admiral: maximum count for each month (top) and number of days recorded (bottom)											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
–	–	–	3	–	40	3	8	100+	45	2	2
–	–	–	4	–	13	10	21	23	26	2	1

Recorded between 24 Apr (three) and 10 Dec (two), with an influx in late Jun (40 on 28th), but numbers were then low until Sep when there were 20 or more on nine dates, including 100+ on 13th & 14th. Forty-five were counted on 18 Oct. Exceptionally warm, sunny conditions on 10 Dec tempted out singletons in Millcombe and at North End!

Painted lady *Vanessa cardui*

Painted lady: 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	100s	100s	2	50	100+	14	1	–
–	–	–	2	4	20	11	20	21	15	1	–

Recorded from 24 Apr (one) to 1 Nov (one). Scattered sightings of ones and twos in late Apr and the first half of May gave no hint of the massive influx that occurred in the last week of May as part of the unprecedented mass immigration of painted ladies to the UK, capturing the public imagination and the attention of the media. On Lundy, reported as 'abundant' on 24 May; hundreds on 30th (including 40 around South Light alone) 'abundant along East Side' on 31 May and numerous on 1,2,3 & 5 Jun. Thereafter, numbers dropped off rapidly to 53 on 9 Jun, ten on 11 Jun and single-digit counts to end of month. Maxima later in the summer were 50 on 14 Aug and 100+ on 13 Sep.

Small tortoiseshell *Aglais urticae*

Small tortoiseshell: max. count for each month (top) and number of days recorded (bottom)											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
–	–	1	1	–	6	1	1	50	1	–	–
–	–	1	2	–	4	2	2	9	1	–	–

Recorded from 25 Mar (one) to 25 Oct (one). Numbers were generally very low, with the exception of a remarkable count of 50 on 13 Sep, coinciding with influxes of red admirals and painted ladies. All other counts in Sep were of ones and twos only.

Peacock *Inachis io*

The first of the year were singles on 14 & 15 Mar, with two on 16th & 29th. Surprisingly, there were no further sightings until two on 10 Sep, with singles on 12th, 14th & 18th, followed by the last of the year on 2 Oct.

Comma *Polygonia c-album*

This species was included in a list of butterflies recorded on 25 Jul, but no number or location given. This was the only record of the year and the first since Oct 2005.

Speckled wood *Pararge aegeria*

One in St John's Valley on 29 Aug was followed by one between Millcombe House and The Ugly on 8 Oct. These are the first records of this species since Oct 2007.

Wall brown *Lasiommata megera*

One on 25 Jun was the only record of the year.

Grayling *Hipparchia semele*

Seen on 25 Jun but no count given. Thereafter, six on 29 Jun, singles on 4 & 15 Jul, two on 6 Aug, one on 7th and 1 on 9th – the latter the last of the season.

Gatekeeper *Pyronia tithonus*

First recorded on 13 Jul when the count of 20+ was also the maximum for the year. From one to five recorded on four other dates in Jul and five dates in Aug, with the last of these being one on 24 Aug.

Meadow brown *Maniola jurtina*

Meadow brown: max. count for each month (top) and number of days recorded (bottom)												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
–	–	–	–	–	100s	100s	40	–	–	–	–	
–	–	–	–	–	14	17	16	–	–	–	–	

First recorded on 13 Jun, with 100 on 27th. 'Hundreds' recorded on five dates between 30 Jun and 10 Jul, followed by 40 on 15 Jul and 30 on 27th. The Aug maximum of 40 was on 7th. The last record of the year was of two on 27 Aug.

Ringlet *Aphantopus hyperantus*

Recorded as present on 29 Jun (no count) & 25 Jul (no count). There were no other records.

Small heath *Coenonympha pamphilus*

Small heath: maximum count for each month (top) and number of days recorded (bottom)												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
–	–	–	–	38	52	1	6	12	–	–	–	
–	–	–	–	3	18	2	6	6	–	–	–	

Recorded between 24 May (four) and 13 Sep (one). The first generation reached a peak in late May/early Jun, with 38 on 31 May, large numbers (unspecified) in the first week of Jun and 52 on 14 Jun. After one on 25 Jun, none was recorded until the second generation appeared, with one on 24 Aug and six on 25th. The Sep maximum was 12 on 9th.

DIURNAL (DAY-FLYING) MOTHS (Lepidoptera)**Unidentified burnet moth** *Zygaena* sp.

Caterpillar found on Upper East Side Path, 5 May; caterpillars and pupae at South Light on 30 May.

Six-spot burnet *Zygaena filipendulae*

Recorded on 25 Jul (number/location unknown).

Five-spot burnet *Zygaena trifoli*

'Many' cocoons reported on 30 May; 'Hundreds' reported on 25 Jun; 1000+ on 29 Jun; 'hundreds' reported on 13 dates 1 to 21 Jul; last was one on 9 Aug. A report of one on 23 Oct must be doubtful given that the normal flight period for this species is over by the end of Aug.

Thrift clearwing *Syansphecica muscaeformis*

One on 30 May. Recorded at North Light on 2 Jun. Six on West Sidelands on 25 Jun and 12 recorded on 26 Jun.

Oak eggar *Lasiocampa quercus*

Two larvae on Upper East Side Path, 5 May. One adult on West Side on 25 Jul. Six on 6 Aug and ten on 7th. Small numbers of larvae on 2 Oct.

Emperor moth *Saturnia pavonia*

One just south of Halfway Wall on 29 Apr was the first of the year. One near Threequarter Wall on 10 May and one on 11 May. Two larvae on Upper East Side Path, 5 May. Two caterpillars 'well north' of Threequarter Wall on 8 Jul. One larva reported on 28 Aug.

Hummingbird hawk-moth *Macroglossum stellatarum*

Five on 29 Jun. Singles on 4, 7, 8 & 10 Sep, with two on 9th. None was seen in Oct, but one was watched feeding on fuchsia flowers near Martin Harman Jones's memorial bench in Millcombe on 11 Nov. This is the latest record since one on 17 Nov 2003.

Cream-spot tiger *Arctia villica*

One reported on Upper East Side Path, on the exceptionally early date of 30 Mar. Thereafter, three on 28 Apr; one at the Logan Stone on 1 Jun; and one just south of Jenny's Cove on 4 Jun.

Cinnabar *Tyria jacobaeae*

Single larva reported near Timekeeper's Hut on 9 Oct.

Silver Y *Autographa gamma*

'Abundant' on 30 & 31 May and 1 Jun (coinciding with major influx of painted lady butterflies). Recorded on six other dates in Jun (including unknown number trapped at Old Light on night of 26/27 Jun) and on four dates in Jul (maximum 4, including three trapped at night, Old Light 12/13 Jul). Thereafter, 20 on 7 Aug and from one to four recorded on four other dates in Aug; seen on 12 dates in Sep, with maximum of 1000+ on 13th, coinciding with large numbers of red admirals, small tortoiseshell and painted lady butterflies. Singles on four dates in late Oct, the last of these on 27th.

NOCTURNAL MOTHS (Lepidoptera)

Common swift *Hepialus lupulinus*

Trapped at Old Light/Cemetery on 25/26 Jun.

Leopard moth *Zeuzera pyrina*

One found in the Tavern on 19 Jun.

Small magpie *Eurrhynx hortulata*

Trapped at Old Light on 26/27 Jun.

Rush veneer *Nomophila noctuella* (a micro-moth)

One near Timekeeper's Hut on 29 Sep; one on 30 Sep.

Fox moth *Macrothylacia rubi*

Six wings found on path down to Brazen Ward on 2 Jun. Trapped at Old Light on 26/27 Jun. Several caterpillars on Upper East Side Path close to Tibbett's. Twenty caterpillars on 26 Sep and c.100 on 28th, including 50+ along Terrace. Many found dead/dying from 30th onwards; parasitised? Still 'everywhere' on 2 Oct. Single larva in Punchbowl area on 20 Dec.

Buff arches *Habrosyne pyritoides*

Two trapped at Old Light, 13/14 Jul.

Single-dotted wave *Idaea dimidiata*

Two trapped at Old Light, 13/14 Jul.

July belle *Scotopteryx luridata*

Trapped at Old Light/Cemetery on 25/26 Jun & 26/27 Jun.

Purple bar *Cosmorhoe ocellata*

One at actinic light-trap, Little St John's, 30 May and 3 Jun. Trapped at Old Light on 27/28 Jun.

Common marbled carpet *Chloroclysta truncata*

One on 27 Sep.

Grey pine carpet *Thera obeliscata*

One on 27 Sep.

Foxglove pug *Eupithecia pulchellata*

Six at actinic light-trap on the Terrace on 27 Apr; one at actinic light-trap, Little St John's, 1 & 2 Jun. Trapped at Old Light/Cemetery on 25/26 Jun.

Lime-speck pug *Eupithecia centaureata*

Trapped at Old Light on 26/27 Jun.

Narrow-winged pug *Eupithecia nanata*

Trapped at Old Light on 26/27 Jun.

The magpie *Abraxas grossulariata*

Recorded on Upper East Side Path just north of Millcombe on 22 Jul and one along the Upper East Side Path just south of Quarter Wall on 23 Jul.

Brown silver-line *Petrophora chlorosata*

One at actinic light-trap on the Terrace on 27 Apr and at Little St John's on 30 May. Abundant along East Side, 31 May. This species may often be disturbed from rest during the day.

Scalloped oak *Crocallis elinguaris*

Trapped at Old Light on 26/27 Jun.

Death's-head hawkmoth *Acherontia atropos*

One found dead on the tideline in the Devil's Kitchen by Bridget Long on 28 Sep was widely admired (and photographed) in the Tavern that evening.

Buff-tip *Phalera bucephala*

Trapped at Old Light on 26/27 Jun.

Pale tussock *Calliteara pudibunda*

One at actinic light-trap, Little St John's, 1 Jun. Single larva found at Quarter Wall Copse on 11 Oct.

Garden tiger *Arctia caja*

Caterpillars found at South Light on 30 May; caterpillar on Quarry Beach Path, 19 Jun; one adult in Tavern on 26 Jun. Trapped at Old Light on 26/27 Jun; three trapped, Old Light 12/13 Jul, with seven trapped there 13/14 Jul. One found dead on Lower East Side Path at Threequarter Wall on 19 Jul.

White ermine *Spilosoma lubricipeda*

One at actinic light-trap, Little St John's, 1 Jun; one in the Tavern on 21 Jun; one in Tavern toilet 25 Jun. Trapped at Old Light/Cemetery on 25/26 Jun & 26/27 Jun.

Buff ermine *Spilosoma luteum*

Trapped at Old Light/Cemetery on 25/26 & 26/27 Jun.

Ruby tiger *Phragmatobia fuliginosa*

Single larva reported near Timekeeper's Hut on 9 Oct.

Turnip moth *Agrotis segetum*

One trapped, Old Light 13/14 Jul.

Heart & dart *Agrotis exclamationis*

Trapped at Old Light on 26/27 Jun (number not recorded in logbook).

Crescent dart *Agrotis trux lunigera*

Trapped at Old Light/Cemetery on 25/26 Jun (number not recorded in logbook).

Dark sword-grass *Agrotis ipsilon*

One at actinic light-trap, Stoneycroft, 28 Apr. Trapped at Old Light on 28/29 Jun; one trapped, Old Light on 12/13 Jul.

Flame shoulder *Ochropleura plecta*

One at actinic light-trap, Little St John's, 2 Jun. Trapped at Old Light/Cemetery on 25/26 Jun.

Large yellow underwing *Noctua pronuba*

Trapped at Old Light/Cemetery on 25/26 & 26/27 Jun (number not recorded in logbook). Four trapped, Old Light, 12/13 Jul.

Lesser yellow underwing *Noctua comes*

Seven trapped at Old Light on 12/13 Jul were of the especially well-marked form *N. c. sagittifer* unique to Lundy and Scilly.

True lover's knot *Lycophotia porphyrea*

Trapped at Old Light on 26/27 Jun (number not recorded in logbook). Three trapped, Old Light 12/13 Jul.

Ingrailed Clay *Diarsia mendica*

Trapped at Old Light on 27/28 Jun (number not recorded in logbook).

Small square-spot *Diarsia rubi*

Four at actinic light-trap, Little St John's, 30 May, with eight there on 1 Jun, seven on 2 Jun and 15 on 3 Jun.

Setaceous Hebrew character *Xestia c-nigrum*

Trapped at Old Light on 27/28 Jun (number not recorded in logbook).

Square-spot rustic *Xestia xanthographa*

Trapped at Old Light/Cemetery on 25/26 Jun (number not recorded in logbook).

The shears *Hada plebeja*

Trapped at Old Light on 28/29 Jun (number not recorded in logbook).

Bright-line brown-eye *Lacanobia oleracea*

One at actinic light-trap, Little St John's, 2 Jun and one on shed by jetty, same date; one at actinic light-trap, Little St John's, 3 Jun. The most abundant species trapped at Old Light/Cemetery between 25/26 and 27/28 Jun. Sixty-two trapped, Old Light 12/13 Jul, with 73 trapped there, 13/14 Jul.

Marbled coronet *Hadena confusa*

Trapped at Old Light/Cemetery on 25/26 & 26/27 Jun (number not recorded in logbook).

Antler moth *Cerapteryx graminis*

One trapped, Old Light, 13/14 Jul.

Double line *Mythimna turca*

One trapped at Old Light on 28/29 Jun.

White-point *Mythimna albipuncta*

One trapped, Old Light, 12/13 Jul.

Smoky wainscot *Mythimna impura*

Trapped at Old Light on 28/29 Jun (number not recorded in logbook).

Common wainscot *Mythimna pallens*

One trapped at Old Light, 12/13 Jul.

Knot grass *Acronicta rumicis*

Trapped at Old Light/Cemetery on 25/26 & 26/27 Jun (number not recorded in logbook).

Small angle shades *Euplexia lucipara*

Trapped at Old Light on 27/28 Jun (number not recorded in logbook).

Angle shades *Phlogophora meticulosa*

Trapped at Old Light on 26/27 Jun (number not recorded in logbook). One on 25 Sep .

Dark arches *Apamea monoglypha*

Trapped at Old Light/Cemetery on 25/26 Jun & 26/27 Jun (number not recorded in logbook). Eight trapped, Old Light, 13/14 Jul.

Marbled minor *Oligia strigilis*

One at actinic light-trap, Little St John's, 3 Jun.

Middle-barred minor *Oligia fasciuncula*

One at actinic light-trap, Little St John's, 1 Jun. Trapped at Old Light/Cemetery on 25/26 Jun.

Rosy minor *Mesoligia literosa*

Four trapped, Old Light, 12/13 Jul, with five there on 13/14 Jul.

The uncertain *Hoplodrina alsines*

Trapped at Old Light on 27/28 Jun (number not recorded in logbook). Eight trapped, Old Light, 12/13 Jul.

The spectacle *Abrostola tripartita*

Trapped at Old Light on 27/28 Jun (number not recorded in logbook).

CADDIS FLIES (Trichoptera)

An **unidentified caddis fly** was caught in an actinic light-trap on the Terrace on 27 Apr.

BUGS (Hemiptera)

A **backswimmer** *Notonecta viridis*

Netted at Pondsbury on 27 Sep and noted as 'abundant'.

Unidentified water-boatman

Between 50 and 100 in Quarter Wall Pond on 27 Jun.

DAMSELFLIES & DRAGONFLIES (Odonata)

Common blue damselfly *Enallagma cyathigerum*

Recorded at Quarter Wall Pond on 27 Jun.

Common blue-tailed damselfly *Ischnura elegans*

Recorded at Pondsbury on 30 May.

Golden-ringed dragonfly *Cordulegaster boltonii*

One near the Castle on 9 Sep (Tony Taylor).

GRASSHOPPERS (Orthoptera)

Speckled bush-cricket *Leptophyes punctatissima*

A female by Brambles on 19 Oct.

OTHER INVERTEBRATES

Horse leech *Haemopsis sanguisuga*

Two at Quarter Wall Pond on 27 Jun.

On 1 Jun, Roger Key recorded a diverse community of flies, spiders, amphipods, caddis flies, parasitic wasps and snails on a small cliff seepage at sea level in Quarry Bay.

FLORA

Small adder's-tongue fern *Ophioglossum azoricum* – abundant in the north-west of Middle Park on 26 Apr.

Royal fern *Osmunda regalis* – plants unfurling in the Quarries on 24 May.

Wall rue *Asplenium ruta-muraria* – a few plants on the walls of Quarry Cottages ('Belle Vue' Cottages). This appears to be the first time this species has been recorded on Lundy; it is not shown as present on the island in the *New Atlas of the British & Irish Flora* (2002).

Rusty-backed fern *Ceterach officinarum* – four plants on walls around Stoneycroft, 28 Jun. This is a rare fern on Lundy, the *New Atlas of the British & Irish Flora* (2002) showing it as only recorded on the island prior to 1970.

Hard fern *Blechnum spicant* – eight clumps in the Quarries and one in wet area north of Pondsbury on 28 Jun.

Yellow horned-poppay *Glaucium flavum* – recorded from near the top of the jetty on 16 Oct.

Tutsan *Hypericum androsaemum* – in flower near path down to Quarry Beach on 13 Jul.

Wood vetch *Vicia sylvatica* – in flower above Beach Road on 26 Jun. Although known from the coast of the North Devon mainland, this appears to be a new record for Lundy and is not shown for the island in the *New Atlas of the British & Irish Flora* (2002).

Bird's-foot clover *Trifolium ornithopodioides* – recorded from 'steps between Hammers and jetty' on 16 Oct.

Pignut *Conopodium majus* – a huge expanse (estimated at over one million individual plants) in flower (some with **cuckoo flower** *Cardamine pratensis*) in Lighthouse Field, just west of the Campsite, made an impressive sight on 4 Jun.

Fennel *Foeniculum vulgare* – naturalised plants noted along Beach Road in the Landing Bay/jetty area on 16 Oct. This appears to be the first time this species has been recorded in a naturalised state on the island. It is not shown as present on Lundy in the *New Atlas of the British & Irish Flora* (2002).

Common broomrape *Orobanche minor* – five spikes at Quarry Bay on 1 Jun.

Pot marigold *Calendula officinalis* – naturalised plants noted along the Beach Road in the Landing Bay/jetty area on 16 Oct. Although cultivated in the gardens outside Pig's Paradise, this appears to be the first time this species has been recorded in a naturalised state on the island. It is not shown as present on Lundy in the *New Atlas of the British & Irish Flora* (2002).

Heath spotted orchid *Dactylorhiza maculata* ssp. *ericetorum*, **bog asphodel** *Narthecium ossifragum*, **marsh St John's-wort** *Hypericum elodes*, **round-leaved sundew** *Drosera rotundifolia*, **lesser spearwort** *Ranunculus flammula* and **lousewort** *Pedicularis sylvatica* were all flowering around Pondsburry on 13 Jul.