

FAUNA AND FLORA RECORDS 2012 (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 largely from the LFS Logbook (supplemented with additional information submitted by email) 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, Jenny George, John Hedger, Keith Hiscock, Roger Key, Alan Rowland, Chris Taylor and Tony Taylor for their assistance with answering questions and/or reviewing a draft of the report. Thanks also to Becca MacDonald for providing feral mammal count data.

WHALES, DOLPHINS AND PORPOISES (CETACEA)

Minke whale *Balaenoptera acutorostrata*

16 Apr – one with Common Dolphins (C. Grundwell).

28 May – one first seen briefly about 2 km off the East Side, from Halfway Wall, at about 10.15 hrs (Chris Baillie); then at about 11.00 hrs at coordinates 51°10.642' N 004°37.102' W (approx. 3 km off the East Side) one rolled at the surface twice, showing rostrum, fin and back, but not tail, before disappearing underwater. Broken up plankton and comb jellies were evident in the area (Annabelle Lowe, Atlantic Diving). What is assumed to be the same animal was seen off North East Point at 15.00 hrs, when it was watched moving in a wide circle, presumably feeding. During a period of about 20 minutes it was seen surfacing regularly, up to three times in quick succession, adopting a more arched posture with the rostrum showing during the final appearance in each sequence. It would then disappear for several minutes before surfacing again for the next series of breaths (Tony & Ann Taylor).

29 May – seen from Brambles about 250 m from the East Side directly off Millcombe. Surfaced three or four times, moving south (Belinda Cox).

30 May – one off the West Side between The Battery and Jenny's Cove 06.15-06.55 hrs (Chris Baillie); one off the East Side at 11.00 hrs (Rob Skeates). Although these sightings were four hours apart, giving an animal of this size and power plenty of opportunity to move between the west and east coasts, it is also quite possible that two different individuals were involved.

11 Oct – one seen from the Castle, quite some way out (Ivan Lakin).

Common dolphin *Delphinus delphis*

16 Apr – large pod of 100+ off South End at 10.30 hrs, followed by 25+ feeding actively off The Battery at 17.30 hrs (P. Long).

8 May – at least 40 heading north off Quarry Beach.

27 & 28 May – about 30 off the East Side in several small groups during the evening of 27th, with a similar number present in the same area at 08.00 hrs the following morning. At 07.00 hrs on 28th about 30 were off Jenny's Cove in two groups. Around 30 were off the North End during the afternoon, while approximately 60 were off the East Side, in five groups, between 15.00 and 16.00 hrs (Tony & Ann Taylor, Chris & Carol Baillie).

29 May – c.60 off Jenny's Cove 08.15-08.45 hrs; 12 off East Side at 09.15 hrs; 200+ around inbound *Oldenburg* late morning, some distance off East Side and only picked up using x60 telescope; 12 off South West Point 21.00 hrs (Chris Baillie).

30 May – during the early morning (06.15-07.30 hrs) about 150 (±25) arrived off The Battery

from the south-west in seven groups, all travelling in the same direction. The animals mostly remained within these groups and spent time feeding in concentrated areas between The Battery and Long Roost, with lots of associated seabird activity, including c.100 Manx Shearwaters, c.80 Gannets, c.70 Shags and c.100 Herring Gulls, with smaller numbers of other gulls and auks (Chris Baillie). Also a pod of 12-15 feeding in the Landing Bay during the morning (Rob Skeates).

2 Jun – seven or eight off East Side, 19.40 hrs (Chris Baillie).

4 Jun – ten off Tibbett's Point (Philip & Helen Lymbery).

4 Jul – pod of at least 12 heading south off Rat Island (Paul & Mike Hopes).

7 Jul – three near Rat Island (Jeff Downing *et al.*).

21 Jul – pod of 20 off East Side (Andrew Cleave).

4 Aug – pod of 30-40 1 km north of the Castle were watched for about 45 minutes at 12.55 hrs; they eventually swam south and passed 1 km off Rat Island (Chris & Sharron Blackmore).

6 Aug – ten about 1 km north-east of the Castle at 16.05 hrs (Chris & Sharron Blackmore); pod of about 20 off Brazen Ward at 20.00 hrs (Joshua Harris).

9 Aug – 14 off the East Side, north-east of the Castle at 11.37 hrs; about 18 in the same area at 16.00 hrs (Chris & Sharron Blackmore).

19 Oct – 44 well inshore, off the Terrace (Chris Baillie).

Risso's dolphin *Grampus griseus*

15 Sep – two seen from *MS Oldenburg* at a range of about half-a-mile when the ship was approximately level with Clovelly (James Leonard).

Bottle-nosed dolphin *Tursiops truncatus*

28 May – five adults and two calves off East Side, from Threequarter Wall (Chris & Carol Baillie).

Harbour porpoise *Phocoena phocoena*

12 Apr – three off South West Point (M. Thorne).

18 Apr – one feeding off South West Point (C. Grundwell).

22 Apr – at least two off Rat Island.

23 Apr – one off East Side.

28 May – one off West Side, from Middle Park (Tony Taylor).

30 May – singles off East Side and Jenny's Cove (Chris Baillie).

4 Jun – 12 off Tibbett's Point (Philip & Helen Lymbery).

29 Jul – three pods of five, four and four, all heading west, seen from the Castle between 07.55 and 10.57 hrs (Chris & Sharron Blackmore).

1 Aug – two heading south-west, seen from the Castle (Chris & Sharron Blackmore).

3 Aug – three due west of The Battery (Chris & Sharron Blackmore).

5 Aug – two singles off the Devil's Limekiln (Chris & Sharron Blackmore).

6 Aug – six feeding off the Terrace accompanied by 300-400 Manx Shearwaters and ten Gannets (Chris & Sharron Blackmore).

9 Aug – seven off the East Side, north-east of the Castle at 10.30 hrs; four off Shutter Rock at 13.37 hrs (Chris & Sharron Blackmore).

13 Aug – three heading south off East Side (Jane Harris).

8 Sep – one off West Side (Tony Taylor).

19 Sep – two off South End.

20 Sep – three off South End.

21 Sep – 15-20 off North Light, with 30 Gannets.

19 Oct – two off Dead Cow Point (Chris Baillie).

28 Oct – two off Rat Island.

Unidentified dolphin or porpoise species

- 1 Apr – 15-20 dolphins between 0.5 and 1 km off Jenny's Cove (Rod & Liz Thomas).
22 Jul – two dolphins, with 40 Gannets feeding around them, near the East Bank and three in Gannets' Bay.
30 Jul – pod of approximately a dozen off North Light.
31 Jul – two dolphins, probably Common Dolphins, off VC Quarry (Chris & Sharron Blackmore).

SEALS

Grey seal *Haliocoerus grypus*

- 28 Jan – one at Gannets' Bay entangled in green netting (it is unclear from the information recorded in the logbook whether the animal was alive or dead).
12 Feb – 14 hauled out near Seal's Rock.
11 Mar – three adults and a pup, North End.
28 Mar – seven at Brazen Ward.
6 Jun – 17 at Frenchman's Landing (Philip & Helen Lymbery).
8 Jun – a total of 19 at various sites along the East Side, including off Rat Island (4), the Landing Bay and Miller's Cake (3), Halfway Wall Bay (5), Gull Rock (1), Threequarter Wall Bay (4) and Frenchman's Landing (2) (Philip & Helen Lymbery).
9 Jun – a total of 27 at North End (1), North East Point (21) and Gannets' Bay (5).
19 Jun – a total of 79 counted during all-island survey of Puffins (Tim Davis & Tim Jones).
27 Jun – 26 on rocks off North East Point.
19 Jul – 80 between the Quarries and Brazen Ward, including 48 hauled out at Brazen Ward (Patrick Penny).
30 Jul – 12 in Devil's Kitchen (Chris & Sharron Blackmore); 11 at Gannets' Bay (Lynn Brennan & Brian Campbell).
20 Aug – 19 hauled out at low tide on rocks off North East Point (Martin Consdale).
28 Aug – a white-coated pup near Montagu Steps (Derren Fox & Donald Malone).
27 Sep – five adults and a pup on Mouse Island.
1 Oct – 15 adults and a pup, Gannets' Bay.
8 Oct – pup on rocks below western end of Halfway Wall.
17 Oct – 17 at Brazen Ward; 11 at Gannets' Bay (Chris Taylor).
20 Oct – a pup on the Divers' Beach; two adults mating close to Sugar Loaf at 12.00 hrs; bull with red tag on left fore-flipper (Tim Davis & Tim Jones); 48 on shoreline around Frenchman's Landing, seen from *MS Oldenburg* during round-island trip (Michael Williams).
22 Oct – 18 at Gannets' Bay.
30 Oct – 25 at North End; 15 at Brazen Ward.
8 Nov – mating observed at Gannets' Bay (Alan Rowland).

SHARKS

Basking shark *Cetorhinus maximus*

- 4 June – one near Gannets' Rock, 17.00 hrs (Philip & Helen Lymbery).
6 Jul – two about a mile off the East Side in calm conditions; dorsal fins clearly seen (Gordon Millar).
29 Jul – one off the East Side just north of Quarry Beach, seen from the slope between Quarry Pond and the Terrace at about 14.30 hrs; rested at the surface for about three minutes before disappearing from view; gills clearly visible, even without binoculars.

OTHER MARINE FISHES

Worm pipefish *Nerophis lumbriciformis*

23 May – one, Hell's Gates, with rows of large orange eggs on belly (Tony & Ann Taylor).

Ocean sunfish *Mola mola*

10 Aug – one small individual (about 50 cm in diameter) just north of Gannets' Rock (Derren Fox & Donald Malone).

6 Sep – one in the Landing Bay (Tony Taylor).

MARINE INVERTEBRATES

Portuguese man o' war *Physalia physalis*

13 Oct – one washed up in Landing Bay (LFS Work Party).

Pink sea fan *Eunicella verrucosa*

21 Jul – about 20, almost all widely separated, during 25-minute dive between Needle Rock and Dead Cow Point (Keith Hiscock).

Scarlet and gold star coral *Balanophyllia regia*

2 Jul – one in second cave in Rat Island (Judith Oakley).

Common goose barnacle *Lepas anatifera*

7 Jul – attached to plastic five-gallon container washed up on Landing Beach (Keith Hiscock).

Spider crab *Maja squinado*

7 Jul – one in Landing Bay (Jeff Downing *et al.*).

European spiny lobster (= crawfish) *Palinurus elephas*

21 Jul – four seen on seabed at c.18 m depth during 25-minute dive between Needle Rock and Dead Cow Point. Three were of medium size, the other small (Keith Hiscock).

Fifteen-spined stickleback *Spinachia spinachia*

2 Jul – seen during dive from slipway, inside harbour wall (Steve & Emma Cunningham).

INTRODUCED FRESHWATER FISHES

07 Aug – fish seen in Rocket Pole Pond (Steve Pratt).

12 Oct – no sign of any fish in Rocket Pole Pond (Jenny George).

Mirror carp *Cyprinus carpio*

29 Jul – a "very large" individual in Quarry Pond, plus approximately 40 black fishes about 3-4 inches in length and thought possibly to be juvenile carp.

REPTILES (REPTILIA)

Slow-worm *Anguis fragilis*

24 Apr – an adult basking on the path between Millcombe walled gardens and The Ugly (John Barber).

30 May – an immature, approximately 10 cm long, found in an ant nest under rocks on the bund of Millcombe Pond (Alan Rowland *et al.*). What was possibly a second individual (appearing longer than that found on 30th) was in the same location on 31 May (Alan Rowland).

It is thought that slow-worms were accidentally introduced with a consignment of compost from the mainland in 2010. The 2012 sightings follow a report of one in lower Millcombe in Nov 2010. As there are no native reptiles on the island, this introduction represents a whole new class of animal for Lundy. For further details, see the article by Alan Rowland in the 2012 LFS Bulletin, *Discovering Lundy* (pp 18-19).

**ROCKY SHORE FAUNA AND SEaweEDS RECORDED BY
JUDITH OAKLEY IN DEVIL'S KITCHEN,
10.30-12.00hrs on 30 June 2012**

(sequence and nomenclature follow Marine Life Information Network
– MarLIN www.marlin.ac.uk)

FAUNA

Sponges (Porifera):

Breadcrumb sponge *Halichondria panicea*

Sea anemones (Cnidaria):

Beadlet anemone *Actinia equina*
Strawberry anemone *Actinia fragacea*
Snakelocks anemone *Anemonia viridis*

Snails & slugs (Mollusca):

Grey top shell *Gibbula cineraria*
Flat top shell *Gibbula umbilicalis*
Thick top shell *Osilinus lineatus*
Common periwinkle *Littorina littorea*
Common flat periwinkle *Littorina obtusata*

Dog whelk *Nucella lapillus*:

Solar-powered sea-slug *Elysia viridis*
and spawn

Arthropods (Arthropoda):

Common barnacle *Balanus perforatus*
Edible crab *Cancer pagurus*
Common shore crab *Carcinus maenas*
Broad-clawed porcelain crab
Porcellana platycheles

Starfish, cushion stars & brittlestars
(Crinoidea):

A **cushion star** *Asterina gibbosa*
Small brittle-star *Amphipholis squamata*

Sea squirts (Ascidiacea):

Star ascidian *Botryllus schlosseri*

Ray-finned fish (Actinopterygii):

Shore clingfish (also known as Cornish sucker) *Lepadogaster lepadogaster*
Worm pipefish *Nerophis lumbriciformis*

SEaweEDS

Red seaweeds (Rhodophyta):

Carrageen *Chondrus crispus*
Red rags *Dilsea carnosa*
False Irish moss *Mastocarpus stellatus*
Pepper dulse *Osmundea pinnatifida*
Coral weed *Corallina officinalis*

Green seaweeds and stoneworts
(Chlorophyta):

A **green seaweed** *Cladophora rupestris*
Codium sp.
Sea lettuce *Ulva lactuca*

Brown and yellow-green seaweeds
(Ochrophyta):

Knotted wrack *Ascophyllum nodosum*
A brown seaweed *Bifurcaria bifurcata*
Oyster thief *Colpomenia peregrina*
Rainbow wrack *Cystoseira tamariscifolia*
Toothed wrack *Fucus serratus*
Bladder wrack *Fucus vesiculosus*
Thongweed *Himantalia elongata*
Wireweed *Sargassum muticum*

NATIVE LAND MAMMALS

Pygmy shrew *Sorex minutus*

- 27 May – one crossing the path near the Timekeeper's Hut (Grant & Michaela Cozens).
29 May – one near the former incinerator site by the South End stile between Castle Hill and Benjamin's Chair (John Hedger); one found dead on Lower East Side Path (Grant & Michaela Cozens).
31 May – one found dead along Upper East Side Path above Quarter Wall Copse (Tim Jones).
4 Jul – one in Bramble Villa East (Mike & Paul Hopes).
1 Aug – one entering Stoneycroft (Kate Bence).
2 Aug – one found dead at Tibbett's (Allen family).
3 Aug – "An energetic and fearless pygmy shrew has run around inside Bramble Villa East at frequent intervals in the past week".
5 Aug – one in Millcombe House "I saw it [run] from dishwasher to sofa".
9-11 Aug – "Caught Big St John's Pygmy Shrew twice – once to show the grandchildren, then again to photograph it, before releasing it again with compensation of four peanuts".
1 Sep – one on main track at Quarter Wall.
7 Oct – one calling from 'waved heath' at Rocket Pole (Ivan Lakin & Kevin Rylands).
26 Oct – "I have observed the Blue Bung pygmy shrew on several occasions during the past week, but today it sat in the front room for over five minutes, cleaning and preening itself while I watched from the armchair. Lovely sight" (Michael Williams).

Soprano pipistrelle bat *Pipistrellus pygmaeus*

- 6 Oct – two recorded at 55 kHz on bat detector in Millcombe.
10 Oct – one recorded in Millcombe (using bat detector). These appear to be the first records for this species on Lundy.

Unidentified bats

- 26 Mar – two flying along the High Street between the workshop and The Barn; at least two also seen around The Barn on 27th (LFS Working Party).
21 May – two flying in daylight (around noon) at Quarry Pond appeared to come and go from a crevice in the rock face on the southern side of the pond (D. Clarke *et al.*).
26 May – one near Government House, late evening (Alan Rowland).
28 May – at least two bats flying in vicinity of Government House at dusk; one small (a pipistrelle?), the other considerably larger (Tony & Ann Taylor).
19 Oct – single small bats noted in Millcombe (Tony Taylor) and near the Church at first light (Chris Baillie).

FERAL LAND MAMMALS

The following figures refer to a count of feral mammals conducted in Apr by the team of marksmen who manage Lundy's populations of feral grazing mammals. A significant culling programme was conducted during the autumn.

Feral goat <i>Capra aegagrus hircus</i>	66	(15 billies, 30 nannies, 21 kids)
Sika deer <i>Cervus nippon</i>	70-80	(4 stags, 6 prickets, 60-70 hinds)
Soay sheep <i>Ovis aries</i>	170	(29 rams, 141 ewes)
Rabbit <i>Oryctolagus cuniculus</i> n/a	No data available	

LFS logbook records:

Feral goat *Capra aegagrus hircus*

- 17 Jan – two kids near St Philip's Stone.

14 Feb – an adult and a kid below the Battlements.
28 Feb – three adults and a kid near the steps from The Ugly to the Lower East Side Path.
15 Mar – “lots” near the quarries.
28 May – a dead kid (dead for some time) with a white coat, Quarry Beach (Roger Key).
19 May – various groups totalling 40 individuals, including kids (Tim Davis & Tim Jones).

Sika deer *Cervus nippon*

11 Feb – 19 immediately north of Ackland’s Moor and Quarter Wall.
16 Feb – 23 in Quarter Wall Copse.
26 Feb – 20 in the vicinity of Gannets’ Combe.
4 Apr – 32 grazing in Brick Field at dusk.

Soay sheep *Ovis aries*

11 Mar – 30 at Threequarter Wall.
5 Apr – adult with triplet lambs at Quarter Wall Pond.
22 Aug – 43 in Middle Park, west of Tibbett’s (Michael Williams).

Rabbit *Oryctolagus cuniculus*

30 May – one at Punchbowl Valley (Sue James) and an immature black rabbit at the western end of Quarter Wall (Roger Chapple) were the first logbook entries for live rabbits in 2012.
12 Jun – a juvenile at the South End.
19 Jun – a juvenile along the Lower East Side Path, near St Helen’s Combe (Tim Davis & Tim Jones).
10 Jul – one near Castle at dusk.
20 Aug – one (Robin Hall).

FRESHWATER & TERRESTRIAL INVERTEBRATES

HYDROZOANS (Cnidaria)

Green hydra *Chlorohydra viridissima*

28 May – one in Brick Field Pond (Alan Rowland).

ROTIFERS (Rotifera)

Rotifers *Keratella cochlearis* and *Filinia longiseta*

12 Oct – abundant in Rocket Pole Pond, some with overwintering resting eggs (Jenny George).

A rotifer *Brachionus* sp.

10 Oct – present in Ackland’s Pond (Jenny George).

A rotifer *Keratella* sp.

10 Oct – present in Ackland’s Pond (Jenny George).

FRESHWATER FLATWORMS (Platyhelminthes)

A freshwater tricladid flatworm *Polycelis nigra*

28 & 31 May – up to 30 in Brick Field Pond (Alan Rowland).

SPIDERS (Arachnida)

A woodlouse spider *Dysdera* sp.

24 May – The Battery (Roger Key).

CENTIPEDES (Chilopoda)

See also the paper by Keith Lugg on pp 95-97 for details of a survey of Lundy's woodlice, centipedes and millipedes.

A centipede *Lithobius forficatus*

5 Jul – a female at Quarter Wall Cottages (Alan Rowland, determined by Tony Barber).

A centipede *Lithobius melanopos*

26 May – a female at Tibbetts (Alan Rowland, determined by Tony Barber).

Banded centipede *Lithobius variegatus*

1 Jul – a male at Quarry Cottages (Alan Rowland, determined by Tony Barber).

6 Jul – at The Battery (Alan Rowland, determined by Tony Barber).

9 Jul – at the Old Hospital (Alan Rowland, determined by Tony Barber).

MILLIPEDES (Diplopoda)

See also the paper by Keith Lugg on pp 95-97 for details of a survey of Lundy's woodlice, centipedes and millipedes.

Bristly millipede *Polyxenus lagurus*

30 May – two individuals vacuum sampled from the steps down to the landing stage at North Light (Roger Key).

A millipede *Tachypodoiulus niger*

2 Jul – in Millcombe (Alan Rowland, determined by Tony Barber).

WATER FLEAS (Cladocera)

A water flea *Daphnia obtusa*

10 Oct – present in Ackland's Pond (Jenny George).

12 Oct – present in Rocket Pole Pond (Jenny George).

A water flea *Bosmina longicornis*

12 Oct – present in Rocket Pole Pond (Jenny George).

COPEPODS (Copepoda)

A copepod *Cyclops* sp. (a genus of freshwater plankton)

10 Oct – adults and young stages present in Ackland's Pond (Jenny George).

12 Oct – present in Rocket Pole Pond (Jenny George).

A harpacticoid copepod *Canthocamptus* sp. (a genus of freshwater plankton)

12 Oct – present in Rocket Pole Pond (Jenny George).

WATER SLATERS (Isopoda)

A water slater *Asellus meridianus*

28 & 31 May – up to ten in Brick Field Pond (Alan Rowland).

WOODLICE (Isopoda)

See also the paper by Keith Lugg on pp 95-97 for details of a survey of Lundy's woodlice, centipedes and millipedes.

Common pill woodlouse *Armadillidium vulgare*

29 May – in Millcombe (Alan Rowland, determined by Tony Barber).

29 May – immature at South End (Alan Rowland, determined by Tony Barber).

Ant woodlouse *Platythrus hoffmannseggii*

29 May – ant nest above Lametry (Alan Rowland, determined by Tony Barber).

Common rough woodlouse *Porcellio scaber*

30 May – common and widespread (Alan Rowland).

MAYFLIES (Ephemoptera)

A mayfly *Cloeon dipterum*

31 May – one at Brick Field Pond (Alan Rowland).

DAMSELFLIES & DRAGONFLIES (Odonata)

Blue-tailed damselfly *Ischnura elegans*

28 May – 30 nymphs in pond in Brick Field (Alan Rowland).

1 June – one at Quarry Pond (Chris Eve).

Emperor dragonfly *Anax imperator*

6 Sep – a male at Quarter Wall Pond (Alan Rowland). This is only the second known record for the island, the first being of one on 3 Jul 2002.

Black darter *Sympetrum danae*

21 Oct – one watched at close range for about 15 minutes on the western edge of South West Field, just south of the small spring-fed reservoir (Tim Davis). This is only the second record for Lundy after one at Pondsbury on 29 Sep 1998. Black darters are widespread in Wales and parts of South West England, but scarce in North Devon.

Migrant hawker *Aeshna mixta*

21 Sep – one patrolling up and down the Terrace in warm, settled conditions, but disappeared after five minutes or so (Andy Jayne).

EARWIGS (Dermaptera)

Common earwig *Forficula auricularia*

24 Dec – ten, including both males and females, in dead umbellifer stem at top of St John's Valley (Keith Lugg).

GRASSHOPPERS & CRICKETS (Orthoptera)

Speckled bush-cricket *Leptophyes punctatissima*

25 Aug – a female on goldenrod *Solidago virgaurea* near Smith's Point Quarry (Andrew Cleave).

Common field grasshopper *Chorthippus brunneus*

12 Oct – one (Ivan Lakin & Kevin Rylands).

BUGS (Hemiptera)

A backswimmer *Notonecta viridis*

28 & 31 May – six in Brick Field Pond (Alan Rowland).

Unidentified lesser water-boatmen Corixidae

28 & 31 May – up to 12 in Brick Field Pond (Alan Rowland).

10 Oct – present in Ackland's Pond (Jenny George).

BEES & WASPS (Hymenoptera)

White-tailed Bumble-bee *Bombus lucorum*

21 May – present (Ken & Joan Saul).

Buff-tailed Bumble-bee *Bombus terrestris*

21 May – present (Ken & Joan Saul).

Common Carder Bee *Bombus pascuorum*

21 May – present (Ken & Joan Saul).

German wasp *Vespula germanica*

18 & 19 Oct – large emergence of males on Lower East Side Path between Quarter Wall Copse and St Helen's Copse; several matings with new queens observed (Chris Taylor).

BEETLES (Coleoptera)

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

Screech beetle *Hygrobia hermanni*

31 May – larva in Brick Field Pond (Alan Rowland).

Green tiger beetle *Cicindela campestris*

21 Mar – one on main track near Widow's Tenement (Diluka Peiris).

21 May – along main track (Ken & Joan Saul).

25 May – Upper East Side Path near Quarry Cottages (Ken & Joan Saul).

26 May – common along East Side (Roger Key).

30 May – one, Lower East Side Path (Tim Davis & Tim Jones).

31 May – one on Lower East Side Path between Brazen Ward and Gannets' Combe (Grant & Micahela Cozens).

19 Jun – two, Lower East Side Path (Tim Davis & Tim Jones).

Violet ground-beetle *Carabus violaceus*

21 Mar – Church and Village (Tom Baker & Sharon Read).

A ground-beetle *Abax parallelepipedus*

24 May – field above Millcombe (Roger Key).

28 May – one caught in spider's web at sea level, Quarry Bay (Roger Key).

Black snail beetle *Silpha atrata*

28 May – in gents' toilet by the Tavern (Roger Key).

A rove beetle *Tachyporus chrysomelinus*

24 May – Village (Roger Key).

Devil's coachhorse *Ocyrops olens*

12 Apr – one emerging near Montagu Steps (M. Thorne).

17 Dec – one hibernating under a granite block near the Church (Keith Lugg).

Minotaur beetle *Typhaeus typhoeus*

21 Mar – a male in a rabbit hole on the West Side towards North End (Alan Rowland).

21 May – present (Ken & Joan Saul).

30 May – a few dead individuals along the East Side (Roger Key).

A dumbledor beetle *Anoplotrupes stercorosus* (= *Geotrupes stercorosus*)

25 May – along Lower East Side Path (Roger Key).

30 May – plenty along the East Side (Roger Key).

31 May – ten on Lower East Side Path between Brazen Ward and Gannets' Combe (Grant & Micahela Cozens).

A dung beetle *Aphodius ater*

24 May – one near Rocket Pole (Roger Key).

Rose chafer *Cetonia aurata*

25 May – one in flight at The Battery (Ken & Joan Saul).

26 May – three or four at St Helen's Combe (Roger Key).

30 May – a few along the East Side (Roger Key).

31 May – one on Lower East Side Path between Brazen Ward and Gannets' Combe (Grant & Micahela Cozens).

10 Jul – many noted (Sue & Rudi Ligthert).

28 Aug – one on ragwort *Senecio*, on Millcombe side of The Ugly (Frances Stuart).

12 Oct – one (Ivan Lakin & Kevin Rylands).

A pill beetle *Byrrhus* sp.

22 Mar – two on cottage foundations near Old Hospital (Alan Rowland).

A click beetle *Agrypnus murinus*

24 May – common along South End and West Side (Roger Key).

A click beetle *Athous haemorrhoidalis*

24 May – Village area (Roger Key).

A darkling beetle *Isomira murina*

28 May – on wall of gents' toilet by the Tavern (Roger Key).

Black oil beetle *Meloe proscarabaeus*

29 May – one on west side of Castle Hill (Ann & Tony Taylor).

Lundy cabbage flea beetle *Psylliodes luridipennis*

Last week of May – very few this year (at least few that were visible), though plenty of earlier feeding damage on smaller plants. Adults seen at Quarry Bay, on the north side of Lower Millcombe above the seat (by the gate to Lower East Side Path) and along the Beach Road (Roger & Rosy Key, Steve Compton). No *Psylliodes napi* (another flea beetle) seen at all. (Roger & Rosy Key, Steve Compton).

A flea beetle *Psylliodes napi*

Last week of May – none recorded, in spite of searching (Roger & Rosy Key, Steve Compton).

Lundy cabbage leaf weevil *Ceutorhynchus contractus pallipes* (= *C. minutus*)

Last week of May – plenty on Lundy cabbage *Coincya wrightii*, but almost none on Danish scurvygrass *Cochlearia danica* (Roger & Rosy Key, Steve Compton).

Vine weevil *Otiorhynchus sulcatus*

28 May – on Lower East Side Path, just north of Millcombe (Roger Key).

FLIES (Diptera)

Empidoid flies (Empidoidea)

An Empidoid fly *Hilara* sp.

30 May – many (both males and females) flying around thrift *Armeria martima* in area around North Light (Roger & Rosy Key, Steve Compton).

Hoverflies (Syrphidae)

A hoverfly *Melanostoma* sp.

17 Oct – a female, Quarter Wall Copse (Chris Taylor).

Marmalade hoverfly *Episyrphus balteatus*

17 Oct – three males, Quarter Wall Copse (Chris Taylor).

18 Oct – eight males, Lower East Side Path/Millcombe (Chris Taylor).

A hoverfly *Scaeva pyrastris*

18 Oct – one, Lower East Side Path/Millcombe (Chris Taylor).

A hoverfly *Syrphus vitripennis*

18 Oct – one male, one female, Lower East Side Path/Millcombe (Chris Taylor).

Drone fly *Eristalis tenax*

18 Oct – two males, Lower East Side Path/Millcombe (Chris Taylor).

A hoverfly *Eristalis pertinax*

18 Oct – one, Lower East Side Path/Millcombe (Chris Taylor).

A hoverfly *Helophilus trivittatus*

18 Oct – two, Lower East Side Path/Millcombe (Chris Taylor).

CADDIS FLIES (Trichoptera)

A caddis fly *Sericostoma personatum*

31 May – one at Brick Field Pond (Alan Rowland).

BUTTERFLIES (Lepidoptera)

Clouded Yellow *Colias croceus*

Not recorded in 2012.

Large white *Pieris brassicae*

Recorded between 2 May (one) and 17 Sep (one), with a max of 12 on 5 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
–	–	–	–	3	2	2	5	12	–	–	–
–	–	–	–	7	4	1	6	5	–	–	–

Small white *Pieris rapae*

Recorded between 11 Apr (two) and 12 Oct (one), with a max of five on 15 Jul and 21 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
-	-	-	4	3	1	5	4	5	1	-	-
-	-	-	5	6	1	2	4	12	2	-	-

Green-veined white *Pieris napi*

Recorded between 20 May (one) and 12 Sep (four), with a max of 25 on 30 May. Mating pairs were seen on 25 & 26 May.

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	1	6	4	-	-	-
-	-	-	-	10	2	1	6	4	-	-	-

Small copper *Lycaena phlaeas*

Recorded between 25 May (one) and 21 Oct (one), with a max of two on 29 May, 16 & 28 Aug, 9 Sep and 7 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	-	-	2	2	2	-	-
-	-	-	-	4	-	-	5	2	6	-	-

Common blue *Polyommatus icarus*

Not recorded in 2012.

Holly blue *Celastrina argiolus*

Not recorded in 2012.

The absence of any reports for either of the blues in 2012 is probably a consequence of six consecutive years of poor summer weather on the island, with particularly cold and wet conditions during much of Apr & May 2012.

Red admiral *Vanessa atalanta*

Recorded between 17 Mar (one – the first reported butterfly of the year on the island) and 11 Nov (two), with a max of 35 on 12 Sep. Following a poor showing during the spring and early summer, there was a noticeable increase in reporting frequency and numbers from mid-Aug. One caterpillar, Old Hospital, 14 Oct (Helen & Liza Cole).

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	-	7	6	3	12	35	30	2	-
-	-	3	-	7	9	5	15	23	20	1	-

Painted lady *Vanessa cardui*

Recorded between 28 May (five) and 12 Oct (one), with a max of five on 28 May. Perhaps surprisingly, given the very low numbers and frequency of most other butterfly species, reports of Painted ladies were slightly up on both 2011 and 2010, though nowhere near the astonishing levels reached in 2009.

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	2	2	4	1	–	–
–	–	–	–	3	1	4	5	13	1	–	–

Small tortoiseshell *Aglais urticae*

Recorded between 27 Jun (four) and 25 Sep (one), with a max of 20 on 7 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
–	–	–	–	–	4	–	–	20	1	–	–
–	–	–	–	–	3	–	–	15	1	–	–

Peacock *Inachis io*

Recorded on 7 Sep (two) and 19 Sep (one).

Grayling *Hipparchia semele*

Recorded on just three dates: six on 23 Jul (along the East Side between Millcombe and Brazen Ward – Andrew Cleave), three on 5 Sep and one the following day. Unusually, not reported on other dates in Jul or Aug, presumably reflecting the effects of the poor summer weather on both butterflies and potential observers. However, it seems likely that this nationally declining species is significantly under-recorded in most years, given that it can be difficult to approach closely and that many of its colonies are probably located in the less-frequented sidelands of the West Side and South End.

Gatekeeper *Pyronia tithonus*

The only record for the year was of one on 12 Aug.

Meadow brown *Maniola jurtina*

Recorded between 20 Jun (two) and 11 Sep (two), with a max of 37 on 14 Aug, though reported as “common” along the Terrace on 21 Jul. Emergence appears to have been affected by the poor spring and summer weather, given that peak numbers were both much later and significantly depressed compared with recent years (e.g. daily maxima into the hundreds in both Jun & Jul 2009, and “thousands” on 11 & 12 Jul 2010).

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	13	37	10	–	–	–
–	–	–	–	–	1	4	13	4	–	–	–

Ringlet *Aphantopus hyperantus*

Recorded on just two dates: 4 Jul (three) and 10 Jul (one).

Small heath *Coenonympha pamphilus*

Recorded between 24 May (two) and 28 Aug (5+), the latter the highest count of the year. The poorest showing of recent years in terms of both frequency and numbers. As for other species, this is most likely a direct consequence of cold, wet weather in Apr & May, followed by a frequently overcast, damp and cool summer.

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	4	2	5	–	–	–	–
–	–	–	–	5	3	5	2	–	–	–	–

DIURNAL (DAY-FLYING) MOTHS (Lepidoptera)

Common and scientific names follow the popular *Field Guide to the Moths of Great Britain and Ireland* (P. Waring, M. Townsend & R. Lewington, 2nd edition 2009) and *Field Guide to the Micro Moths of Great Britain and Ireland* (P. Sterling, M. Parsons & R. Lewington, 2012). 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 used in the above-mentioned field guides and elsewhere.

170 Five-spot burnet *Zygaena trifolii*

19 Jul – one; 29 Jul – one; 30 Jul – three.

383 Thrift clearwing *Syansphecia muscaeformis*

25 May – four, including a copulating pair, at The Battery (Ken & Joan Saul).

1643 Emperor moth *Saturnia pavonia*

12 Apr – one; 1 May – one.

1742 Yellow Shell *Camptogramma bilineata*

28 May – one, Lower East Side Path (Roger Key).

27 Jun – one near Quarry Pond (D. & D. Alston).

1902 Brown silver-line *Petrophora chlorosata*

26 May – common along East Side (Roger Key).

30 May – two, Lower East Side Path (Tim Davis & Tim Jones).

May/June – light-trapped at Government House and the Castle during the LFS *Discover Lundy* event, 26 May–2 Jun (Andrew Cleave).

1984 Hummingbird hawk-moth *Macroglossum stellatarum*

Singles on 23 Jul and 1, 6 & 7 Sep.

2058 Cream-spot tiger *Arctia villica*

29 Jun – one at Jenny's Cove (Judith Oakley).

30 Jun – one flying near Millcombe (Judith Oakley).

May/June – also recorded from the Quarries during the LFS *Discover Lundy* event, 26 May–2 Jun (Andrew Cleave).

2441 Silver Y *Autographa gamma*

29 May – one; 2 Jun – three; 19 Jul – one; 31 Aug – one. There was a noticeable, if modest, increase in frequency and numbers during the first half of Sep, with a max of ten on 5th.

NOCTURNAL MOTHS (Lepidoptera)

See note on nomenclature and sequence under 'Diurnal (day-flying) moths' above.

15 Orange swift *Hepialus sylvina* (a micro-moth)

8 Oct – a caterpillar on Ackland's Moor (Ivan Lakin & Kevin Rylands).

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

21 May – vacated mine (with empty extruding pupa) on Holm Oak *Quercus ilex* in Millcombe (Glen & Joan Saul).

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

6 Oct – trapped (Ivan Lakin & Kevin Rylands).

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

17 Sep – several larvae on common hogweed *Heracleum sphondylium* between Government House and Landing Bay (Stella Beavan & Bob Heckford).

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

20 May – present (Ken Saul & Rob Andrews).

1255 **Cydia ulcinata** (a micro-moth) formerly *C. succedana*

20 May – present (Ken Saul & Rob Andrews).

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

22 May – one outside Old House South (Ken & Joan Saul).

1398 **Rush veneer Nomophila noctuella** (a micro-moth)

11 Oct – Hammers (Ivan Lakin & Kevin Rylands).

20 Oct – one (James Diamond).

1638 **Fox moth Macrothylacia rubi**

30 & 31 May – two caterpillars on both dates. In autumn, caterpillars recorded on 19 dates between 22 Aug (one) and 28 Oct (three), with a max of 60 on 24 Oct. A number of those seen on 21 Oct were dead, possibly parasitised.

1689 **Mullein wave Scopula marginepunctata**

May/June – light-trapped at the Castle during the LFS Discover Lundy event, 26 May-2 Jun (Andrew Cleave).

1728 **Garden carpet Xanthorhoe fluctuata**

May/June – light-trapped at Government House and the Castle during the LFS Discover Lundy event, 26 May-2 Jun (Andrew Cleave).

1752 **Purple bar Cosmorhoe ocellata**

May/June – light-trapped at the Castle during the LFS Discover Lundy event, 26 May-2 Jun (Andrew Cleave).

1764 **Common marbled carpet Chloroclysta truncata**

May/June – light-trapped at Government House and the Castle during the LFS Discover Lundy event, 26 May-2 Jun (Andrew Cleave).

1776 **Green carpet Colostygia pectinataria**

May/June – light-trapped at the Castle during the LFS Discover Lundy event, 26 May-2 Jun (Andrew Cleave).

1825 **Lime-speck pug Eupithecia centaureata**

May/June – light-trapped at the Castle during the LFS Discover Lundy event, 26 May-2 Jun (Andrew Cleave).

1834 **Common pug** *Eupithecia vulgata*

May/June – light-trapped at Government House and the Castle during the LFS Discover Lundy event, 26 May-2 June (Andrew Cleave).

1836 **Jasione pug** *Eupithecia denotata* ssp. *jasioneata*

May/June – light-trapped at the Castle during the LFS Discover Lundy event, 26 May-2 June (Andrew Cleave).

1906 **Brimstone moth** *Opisthagraptis luteolata*

7 May – one; 28 May – one in Millcombe.

1920 **Scalloped hazel** *Odontopera bidentata*

May/June – light-trapped at Government House and the Castle during the LFS Discover Lundy event, 26 May-2 June (Andrew Cleave).

1921 **Scalloped oak** *Crocallis elinguaris*

19 July – one along Lower East Side Path above Brazen Ward (Patrick Penny).

1994 **Buff-tip** *Phalera bucephala*

May/June – light-trapped at Government House and the Castle during the LFS Discover Lundy event, 26 May-2 June (Andrew Cleave).

3 Oct – 20 caterpillars on willow *Salix* near Terrace Trap (Tony Simpson).

2057 **Garden tiger** *Arctia caja*

26 May – caterpillar by main track at Quarter Wall gate (Roger Key).

21 July – one at back of Tavern (Andrew Cleave).

26 Aug – one caterpillar feeding on ragwort *Senecio* within the confines of the Old Hospital.

2060 **White ermine** *Spilosoma lubricipeda*

May/June – light-trapped at the Castle during the LFS Discover Lundy event, 26 May-2 June (Andrew Cleave).

3 Oct – two caterpillars along East Side (Tony Simpson).

2061 **Buff ermine** *Spilosoma luteum*

May/June – light-trapped at the Castle during the LFS Discover Lundy event, 26 May-2 June (Andrew Cleave).

2064 **Ruby tiger** *Phragmatobia fuliginosa*

May/June – two found at the Rocket Pole during the LFS Discover Lundy event, 26 May-2 June (Andrew Cleave).

3 Oct – one caterpillar along East Side (Tony Simpson).

14 Oct – caterpillars seen along Upper East Side Path (Helen & Liza Cole).

27 Oct – a few caterpillars (James Diamond).

2077 **Short-cloaked moth** *Nola cucullatella*

May/June – light-trapped at the Castle during the LFS Discover Lundy event, 26 May-2 June (Andrew Cleave).

2089 **Heart & dart** *Agrotis exclamatoris*

May/June – light-trapped at Government House and the Castle during the LFS Discover Lundy event, 26 May-2 June (Andrew Cleave).

2090 **Crescent dart** *Agrotis trux lunigera*

24 Aug – abundant in moth-trap operated near the Church on night of 23rd/24th (Andrew Cleave).

8 Nov – a female was the only moth trapped at Government House on this date (Andrew Cleave).

2091 **Dark sword-grass** *Agrotis ipsilon*

May/June – light-trapped at the Castle during the LFS Discover Lundy event, 26 May-2 June (Andrew Cleave).

2102 **Flame shoulder** *Ochropleura plecta*

May/June – light-trapped at Government House and the Castle during the LFS Discover Lundy event, 26 May-2 June (Andrew Cleave).

24 Aug – trapped near the Church on night of 23rd/24th (Andrew Cleave).

2104 **Northern rustic** *Standfussiana lucernea*

May/June – light-trapped at the Castle during the LFS Discover Lundy event, 26 May-2 June (Andrew Cleave).

2107 **Large yellow underwing** *Noctua pronuba*

May/June – light-trapped at Government House and the Castle during the LFS Discover Lundy event, 26 May-2 June (Andrew Cleave).

24 Aug – trapped near the Church on night of 23rd/24th (Andrew Cleave).

2118 **True lover's knot** *Lycophotia porphyrea*

May/June – light-trapped at Government House during the LFS Discover Lundy event, 26 May-2 June (Andrew Cleave).

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

7 Oct – caterpillars recorded (Ivan Lakin & Kevin Rylands).

14 Oct – several caterpillars near Rocket Pole Pond and at the top of the path to The Battery (Helen Cole).

16 Oct – single caterpillars at Brambles and on the Terrace (Ann Taylor).

17 Oct – two caterpillars above St James's Stone (Peter Hayes).

2163 **Broom moth** *Melanchra pisi*

6 Sep – a caterpillar on the West Sidelands, south of The Battery; found at night during Manx Shearwater ringing (Tony Taylor).

8 Oct – a caterpillar at Quarter Wall (Ivan Lakin & Kevin Rylands).

14 Oct – caterpillar on path near The Battery (Helen Cole).

2167 **Tawny shears** *Hadena perplexa*

May/June – light-trapped at the Castle during the LFS Discover Lundy event, 26 May-2 June (Andrew Cleave).

2169 **Barrett's marbled coronet** *Hadena luteago*

May/June – light-trapped at Government House and the Castle during the LFS Discover Lundy event, 26 May-2 June (Andrew Cleave).

2171 **Marbled coronet** *Hadena confusa*

May/June – light-trapped at the Castle during the LFS Discover Lundy event, 26 May-2 June (Andrew Cleave).

2173 **The lychnis** *Hadena bicurris*

May/June – light-trapped at Government House and the Castle during the LFS Discover Lundy event, 26 May-2 Jun (Andrew Cleave).

2176 **Antler moth** *Cerapteryx graminis*

24 Aug – trapped near the Church on night of 23rd/24th (Andrew Cleave).

2187 **Common Quaker** *Orthosia cerasi*

May/June – light-trapped at the Castle during the LFS Discover Lundy event, 26 May-2 Jun (Andrew Cleave).

2270 **Lunar underwing** *Omphaloscelis lunosa*

6 Oct – two in trap (Ivan Lakin & Kevin Rylands).

2289 **Knot grass** *Acronicta rumicis*

May/June – light-trapped at Government House and the Castle during the LFS Discover Lundy event, 26 May-2 Jun (Andrew Cleave).

2321 **Dark arches** *Apamea monoglypha*

24 Aug – trapped near the Church on night of 23rd/24th, including the melanic form 'aethiops' (Andrew Cleave).

2341 **Cloaked minor** *Mesoligia furuncula*

24 Aug – trapped near the Church on night of 23rd/24th (Andrew Cleave).

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

May/June – light-trapped at Government House and the Castle during the LFS Discover Lundy event, 26 May-2 Jun (Andrew Cleave).

FRESHWATER MUSSELS (Bivalvia)

A freshwater pea mussel *Pisidium* sp.

28 May – one in Brick Field Pond (Alan Rowland).

SLUGS & SNAILS (Gastropoda)

A slug *Arion ater* agg.

4 Jul – “great abundance (c.4/10 m²) of large (7-10 cm) slugs, yellow with wide black stripes, on west coast below Old Light” (Keith Hiscock). Images have been identified as probably belonging to the common and widespread *Arion ater* species complex, which contains three highly variable species only reliably separable by dissection of their genitalia, namely *A. ater*, *A. rufus* and *A. vulgaris*.

Jenkins' spire snail (= New Zealand mud snail) *Potamopyrgus jenkinsi* (= *P. antipodarum*)

28 & 31 – three found in Brick Field Pond (Alan Rowland).

SEGMENTED WORMS (Oligochaeta)

A freshwater oligochaete worm *Lumbriculus variegatus*

28 May – one in Brick Field Pond (Alan Rowland).

Unidentified naid oligochaete species

10 Oct – present in Ackland's Pond (Jenny George).

28 & 31 May – present in Brick Field Pond (Alan Rowland).

LEECHES (Hirudinea)

Horse leech *Haemopsis sanguisuga*

27 Jun – Quarry Pond (D. & D. Alston).

4 Jul – two in pools on main track between Quarter and Halfway Walls.

25 Sep – five in puddles along main track on south side of Quarter Wall gate.

10 Oct – in puddles along main track at Quarter Wall (Ivan Lakin & Kevin Rylands).

A leech *Helobdella stagnalis*

28 & 31 May – two or three in Brick Field Pond (Alan Rowland).

FLORA

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

Ferns

Rustyback *Asplenium ceterach*

1 Jun – 336 plants counted in the colony on the western side of the boundary wall running along the top of Millcombe and St John's Valley, south of Government House (Alan Rowland and other LFS members during Discover Lundy flora walk led by Andrew Cleave).

22 Nov – north-west of field to west of wind generator field, on south-facing side of northern wall, about halfway up wall; small patch about four inches in diameter (Kay Easton).

Hard-fern *Blechnum spicant*

20 Nov – Quarry sidings behind Terrace Trap: substantial colony on cliff face and on floor amongst bracken; also in North Quarry (Kay Easton).

Flowering plants

Heath pearlwort *Sagina subulata*

21 Jul – in flower along Terrace and near Quarry Cottages (Andrew Cleave).

Sea campion *Silene uniflora*

22 Nov – still in flower at Benjamin's Chair (Kay Easton).

Tutsan *Hypericum androsaemum*

21 Jul – along path down to Quarry Beach (Andrew Cleave).

Trailing St John's-wort *Hypericum humifusum*

21 Jul – along the 'goat path' running down from the Battlements to the Beach Road (Andrew Cleave).

Slender St John's-wort *Hypericum pulchrum*

21 Jul – along path down to Quarry Beach (Andrew Cleave).

Common mallow *Malva sylvestris*

21 Aug – plant with a single flower on side of Castle Hill by stile near former incinerator site (Michael Williams).

Round-leaved sundew *Drosera rotundifolia*

25 May – 100+ at entrance to North Quarry (Tony & Ann Taylor)

Lundy cabbage *Coincya wrightii*

30 May – final count for plants this year was 7,400 – the fourth highest ever recorded (the 2011 total was 4,600) (Roger Key). Increase probably due to dearth of rabbits resulting from myxomatosis.

Primrose *Primula vulgaris*

22 Nov – in flower at Quarter Wall Copse (Kay Easton).

Bog pimpernel *Angallis tenella*

27 Jun – several colonies in flower in wet flushes along West Side.

Water-purslane *Lythrum portula*

10 Oct – strands present in Ackland's Pond (Jenny George).

Allseed *Radiola linoides*

10 Oct – large numbers in wet flush on western side of grazing enclosure a little south of Threequarter Wall (Ivan Lakin & Kevin Rylands).

Rock samphire *Crithmum maritimum*

29 Sep – many plants along Beach Road in full flower.

Twiggy mullein *Verbascum virgatum*

10 Oct – flowering in Millcombe walled gardens (Ivan Lakin & Kevin Rylands).

8 Nov – still flowering in Millcombe walled gardens (Andrew Cleave).

Lousewort *Pedicularis sylvatica*

28 May – “Peculiar phenomenon of white lousewort in the entrance to North Quarry. Not apparently genetic as individual patches of plants have both white and pink plants and we found one single inflorescence with both white and (insipid) pink flowers. Gradual slow change from predominance of white nearest the path to pink nearer to the quarry itself. What might cause this bleaching?” (Roger Key).

Goldenrod *Solidago virgaurea*

31 Oct – in full flower along Lower East Side Path (Jan Armishaw).

Early hair-grass *Aira praecox*

26 May – colonising area of cleared Rhododendron just south of Terrace (Roger Key).

Heath spotted-orchid *Dactylorhiza maculata*

2 June – one in flower at Pondsburry (Chris Eve).

Plants recorded by LFS members during Discover Lundy week 26 May-2 Jun (list submitted by Andrew Cleave):

Cow parsley *Anthriscus sylvestris* Millcombe; **alexanders** *Smyrniolum olusatrum* Millcombe, walled gardens; **pignut** *Conopodium majus* grassy areas, common; **rock samphire** *Crithmum maritimum* Beach Road, rocks; **hemlock water-dropwort** *Oenanthe crocata* St John's Valley; **hemlock** *Conium maculatum* Castle Parade; **water-plantain** *Alisma plantago-aquatica* Millcombe; **bog pondweed** *Potamogeton polygonifolius* ponds and wet flushes; **lords-and-ladies** *Arum maculatum* Millcombe; **common duckweed** *Lemna minor* ponds and wet flushes; **toad rush** *Juncus bufonius* ponds and wet flushes; **soft-rush** *Juncus effusus* widespread; **jointed rush** *Juncus articulatus* ponds and wet flushes; **field wood-rush** *Luzula campestris* dry grassy areas; **common cotton grass** *Eriophorum angustifolium* Pondsburry; **common**

spike rush *Eleocharis palustris* widespread in wet areas; **floating club-rush** *Eleocharis fluitans* ponds and wet flushes; **sand sedge** *Carex arenaria* grassy areas, West Side; **greater tussock-sedge** *Carex paniculata* St John's Valley; **common sedge** *Carex nigra* Pondsbury; **common yellow sedge** *Carex demissa* widespread; **red fescue** *Festuca rubra* agg. cliff tops, South End; **annual meadow-grass** *Poa annua* dry grassy areas; **cock's-foot** *Dactylis glomerata* cultivated areas; **sea fern-grass** *Catapodium marinum* walls, rocks; **early hair-grass** *Aira praecox* Quarries, Terrace; **sweet vernal-grass** *Anthoxanthum odoratum* widespread; **dwarf soft-branco** *Bromus hordeaceus* ssp. *ferronii* cliff tops, South End; **purple moor-grass** *Molinia caerulea* Pondsbury; **bluebell** *Hyacinthoides non-scripta* widespread, cliffs, grass; **Spanish bluebell** *Hyacinthoides hispanica* a few remaining; **pheasant's-eye daffodil** *Narcissus poeticus* Castle Parade, Belle Vue (Quarry Cottages); **yellow iris** *Iris pseudacorus* St John's Valley, Millcombe.

Plants recorded by D. & D. Alston, 26-28 Jun:

Lesser spearwort *Ranunculus flammula*; **lesser stitchwort** *Stellaria graminea*; **rock sea-spurrey** *Spergularia rupicola*; **perforate St John's wort** *Hypericum perforatum*; **round-leaved sundew** *Drosera rotundifolia*; **Lundy cabbage** *Coincya wrightii*; **bell heather** *Erica cinerea*; **cross-leaved heath** *Erica tetralix*; **English stonecrop** *Sedum anglicum*; **tormentil** *Potentilla erecta*; **common bird's-foot-trefoil** *Lotus corniculatus*; **tufted forget-me-not** *Myosotis laxa*; **wood sage** *Teucrium scorodonia*; **wild thyme** *Thymus polytrichus*; **lousewort** *Pedicularis sylvatica*; **sheep's-bit** *Jasione montana*; **heath bedstraw** *Galium saxatile*; **cat's-ear** *Hypochaeris radicata*; **rough hawkbit** *Leontodon hispidus*; **heath groundsel** *Senecio sylvaticus*; **star sedge** *Carex echinata*; **oval sedge** *Carex ovalis*; **heath spotted orchid** *Dactylorhiza maculata*.

Plants recorded north of Threequarter Wall by Sandra Rowland, 28 Jun:

Rock sea-spurrey *Spergularia rupicola*; **tormentil** *Potentilla erecta*; **common milkwort** *Polygala vulgaris*; **lesser skullcap** *Scutellaria minor*; **thyme-leaved speedwell** *Veronica serpyllifolia*; **lousewort** *Pedicularis sylvatica*; **heath bedstraw** *Galium saxatile*; **bluebell** *Hyacinthoides non-scripta*.

Plants still in flower, recorded by Jan Armishaw, 29-31 Oct:

Meadow buttercup *Ranunculus acris*; **rock sea-spurrey** *Spergularia rupicola*; **thrift** *Armeria maritima*; **heather** *Calluna vulgaris*; **bell heather** *Erica cinerea*; **cross-leaved heath** *Erica tetralix*; **navelwort** *Umbilicus rupestris*; **herb-robert** *Geranium robertianum*; **cow parsley** *Anthriscus sylvestris*; **rock samphire** *Crithmum maritimum*; **hogweed** *Heracleum sphondylium*; **black nightshade** *Solanum nigrum*; **wild thyme** *Thymus polytrichus*; **ivy-leaved toadflax** *Cymbalaria muralis*; **thyme-leaved speedwell** *Veronica serpyllifolia*; **ivy-leaved speedwell** *Veronica hederifolia*; **sheep's-bit** *Jasione montana*; **creeping thistle** *Cirsium arvense*; **autumn hawkbit** *Leontodon autumnalis*; **smooth sowthistle** *Sonchus oleraceus*; **prickly sowthistle** *Sonchus asper*; **goldenrod** *Solidago virgaurea*; **daisy** *Bellis perennis*; **common ragwort** *Senecio jacobaea*.

Ferns recorded during the same period: **polypody** *Polypodium vulgare*; **bracken** *Pteridium aquilinum*; **sea spleenwort** *Asplenium marinum*; **black spleenwort** *Asplenium adiantum-nigrum*.

FRESHWATER ALGAE

Green algae

12 Oct – green algal bloom consisting of *Microcystis* (Blue-green alga), *Pediastrum*, *Ankistrodesmus*, *Desmodesmus* spp. present in Rocket Pole Pond (Jenny George).

A green alga *Desmodesmus* (*Scenedesmus*) sp.

10 Oct – present in Ackland's Pond (Jenny George).

LICHENS

Golden hair lichen *Teloschistes flavicans*

30 May – “Along railway at North Light; never seen it there before. Also seems more abundant on the West Side just south of North Light than we’ve seen it before” (Roger & Rosy Key, Steve Compton).

10 Oct – at least 40 tufts on rocks along West Side between North Light and Threequarter Wall (Ivan Lakin & Kevin Rylands).

7 Dec – 20 to 30 between Old Light and Pilot’s Quay (Alan Rowland).

8 Dec – small group on granite above St James’s Stone (Alan Rowland).

FUNGI

Scientific nomenclature and sequence follow Hedger *et al.* 2010. Lundy Fungi: Further Surveys 2004-2008. *Journal of the Lundy Field Society*, Vol. 2, pp 21-44.

Thistle rust *Puccinia punctiformis*

26 May – aecidia and teliospores on field thistle *Cirsium arvense* near Stoneycroft (Louise Cookson) and later on many plants around Millcombe and the farm. Though common on the mainland, it is the first record for Lundy, giving an indication of how under-recorded Lundy fungi are.

Nettle rust *Puccinia urticata*

29 May – on common nettle *Urtica dioica* near Big St John’s (John Hedger).

Anther smut fungus *Microsporidium violaceum* (= *Ustilago violacea*)

27 May – 12,990 individual red campion *Silene dioica* flowers on plants in the vicinity of Millcombe and St John’s Valley were inspected by LFS members under the tutelage of John Hedger during the LFS Discover Lundy week. Of these, 977 flowers were found to be infected by anther smut fungus; an average infection rate of 7.5%. However, infection rates were unevenly distributed, with plants growing in more shaded habitats, such as under the tree canopy on the south side of Millcombe, being much more heavily infected than those growing in predominantly open, sunny areas. The full results are presented in an article by John Hedger in the Dec 2012 issue of the LFS Bulletin, *Discovering Lundy*.

Golden spindles *Clavulinopsis fusiformis*

8 Oct – western side of Ackland’s Moor (Ivan Lakin & Kevin Rylands).

Apricot club *Clavulinopsis luteoalba* (= *Clavaria luteoalba*) or closely related species

7 Oct – clump, possibly of this species, halfway down steps to North Light (Ivan Lakin & Kevin Rylands).

Horse mushroom *Agaricus arvensis*

26 May – one fruiting body, Castle Hill (Louise Cookson, Tony Cutler).

October – Benjamin’s Chair (David George) – see colour plate 3.

St George’s mushroom *Calocybe gambosa* (formerly *Tricholoma gambosum*)

29 & 30 May – two groups of fruiting bodies by side of main track near Battlements (Andrew Cleave, John Hedger *et al.*) – see colour plate 4. This is only the second record for Lundy and the first since 1972.

Fragrant funnel cup (= 'Aniseed mushroom') *Clitocybe odora*
11 Oct – Millcombe; the first record for Lundy (John Hedger).

Velvet Shank *Collybia velutipes* (Syn. *Flammulina velutipes*)
October – Middle Park (David George) – see colour plate 4.

Pink waxcap *Hygrocybe calyptiformis*
3 Oct – on Airfield (Tony Simpson).

Heath Waxcap *Hygrocybe laeta*
October – Benjamin's Chair (David George) – see colour plate 3.

Parasol mushroom *Macrolepiota procera*
7 Jul – south of Old Light (Jeff Downing *et al.*).

Porcelain fungus *Oudemansiella mucida*
On beech *Fagus sylvatica* and Turkey oak *Quercus cerris* on southern side of Millcombe, near Brambles (Chris Taylor).

Purple brittlegill *Russula atropurpurea*
6 Sep – in Millcombe, below bank next to Albion Harman's seat (Alan Rowland; confirmed by John Hedger).
10 Nov – still present in above-mentioned location (Alan Rowland).

A slime mould *Leocarpus fragilis*
8 Nov – North End; one sporulating, the other 'gone over' (Alan Rowland).

Footnote:

Phase 1 of a three-year vegetation survey was carried out in the summer of 2012 by Dr Janet Lister of the National Trust. Results of the full survey will be published in Volume 5 of the LFS Journal.

Correction:

The reference to "Dwarf Willow *Salix reticulata*" in the summary of the Lundy Fungi Survey on p 89 of the 2011 LFS Annual Report should have read 'Creeping Willow *Salix repens*'.