# Results of Orin’s Bioblitz July 2019

Footprint, St Catherine's, Patterdale Road, Windermere, Cumbria, LA23 1NH

## All Bioblitz Records

No. of records 468

No of records to species level 437

No of records to genus level 6

Not included in above because record too vague or too tricky to id records 29

### Species identified

No of different species 443

### Number of species break down

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| Plants & Ferns | 154 |
| Moth | 110 |
| Lichen and fungi | 49 |
| Mosses & liverworts | 41 |
| Beetles | 35 |
| Birds | 29 |
| Mammals | 9 |
| Butterfly | 8 |
| Amphibians | 4 |
| Bugs | 5 |
| Flies | 5 |
| Crickets, Grasshoppers & allies | 3 |
| Crustaceans | 3 |
| Bees, wasps & ants | 2 |
| Spiders | 2 |
| Caddisflies | 1 |
| Dragonflies | 1 |
| Hoppers | 1 |

## What Was New….

Despite the site having been visited before, the Orin’s Bioblitz team managed to find over 287 new things!

They included:

**Mammals** – woodmouse, bank vole and common shrew were added along with common pipistrelle and soprano pipistrelle bats

**Amiphibian** – 4 species, frog, toad, and the smooth and palmate newts

**Bees, wasps and ants** – 2 species – white tailed bumble bee and a gall wasp.

**Birds** – 2 species – Siskin and swallow

**Beetle** – 32 species added to the list.

**Bugs** – 4 new species recording including the blue leafhopper, lesser water boatman and water cricket.

**Butterflies –** 4 species, Ringlet, Brimstone, Peacock and Speckled Wood.

**Moths**. Although the moth list was extensive the Bioblitz added 42 species.

**Dragonflies** – the Common Hawker was the only species seen but was a first official record for the site.

**Crustacea** – 4 species including the rough woodlouse, pygmy woodlouse, freshwater shrimp. The lawn shrimp or land hopper is the second record for Cumbria of this introduced species!

**Mosses and Liverworts** – 35 new species

**Plants and Ferns** – 94 new species added to the list.

**Fungi and Lichens** – 48 new species. Most of these are new lichen species records.

## Additional data

As a result of the Bioblitz the National Trust provided us with a report by M Scruby & J Lister dated September 1989 listed 143 species.

Before the Bioblitz CBDC held 365 records for the site. The Bioblitz raised the total to 883 records and the NT records mean that there are 1048 records for the site held on the CBDC database.

DM Nov2019

# Bioblitz Species List

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| **Amphibians** |
| Frog |
| Palmate Newt |
| Smooth Newt |
| Frog  Toad |

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| **Birds** |

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| Blackbird |
| Buzzard |
| Carrion Crow |
| Chiffchaff |
| Coal Tit |
| Dunnock |
| Goldfinch |
| Great spotted woodpecker |
| Great Tit |
| Green woodpecker |
| Heron |
| House Sparrow |
| Jay |
| Marsh Tit |
| Mistle Thrush |
| Nuthatch |
| Pied Wagtail |
| Raven |
| Robin |
| Siskin |
| Song Thrush |
| Sparrowhawk |
| Swallow |
| Swift |
| Tawny Owl |
| Treecreeper |
| Whitethroat |
| Wood pigeon |
| Wren |

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| **Mammals** |
| Badger |
| Bank Vole |
| Common Pipistrelle Bat |
| Common Shrew |
| Grey Squirrel |
| Red Squirrel |
| Roe Deer |
| Soprano Pipistrelle Bat |
| Wood Mouse |

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| **Bees, wasps & ants** |
| Large Red-Tailed Bumblebee |
| Gall wasp |
| **Beetles** |

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| Aquatic leaf beetle |
| Beetle |
| Black Clock Beetle |
| Black Sexton Beetle |
| Clown Beetle |
| Cockchafer |
| Common Red Soldier Beetle |
| Common Water-Boatman |
| Dung beetles |
| Great Diving Beetle |
| Green Tortoise Beetle |
| Harlequin ladybird |
| Hogweed leaf beetle |
| Longhorn Beetle |
| Seven spot ladybird |
| Violet Ground Beetle |
| Water beetles |

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| **Bugs** |
| Blue Leaf hopper |
| Forest bug |
| Lesser water-boatmen |
| Mirad Bug |
| Water Cricket |
| **Caddisflies** |
| Caddis fly |
| **Crickets, Grasshoppers & allies** |
| Common Earwig |
| Green Grasshopper |
| Meadow Grasshopper |
| **Dragonflies** |
| Common Hawker |
| **Flies** |
| Cranefly |
| Hairy eyed crane fly |
| Lacewing |
| Mayfly |
| **Crustaceans** |
| Land Shrimp |
| Pigmy Woodlouse |
| Water Shrimp |
| **Spiders** |
| Orb Spider |
| Wolf Spider |

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| **Moth** |

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| Antler |
| Apple Ermine |
| Barred Fruit Tree Tortrix |
| Barred Straw |
| Bee Moth |
| Bird Cherry Ermine |
| Brown China Mark |
| Brown House Moth |
| Buff Arches |
| Buff Footman |
| Buff-tip |
| Burnished Brass |
| Chimney sweep |
| Clay |
| Clouded Border |
| Common Carpet |
| Common Footman |
| Common Lutestring |
| Common Marble |
| Common Wave |
| Common White Wave |
| Coxcomb Prominent |
| Cyclamen Tortrix |
| Dark Arches |
| Dark Spectacle |
| Diamond-back Moth |
| Double Square Spot |
| Drinker |
| Dun-bar |
| Early hair grass |
| Early Thorn |
| Engrailed |
| Epinotia brunnichana |
| Eudonia lacustrata |
| Eudonia mercurella |
| Eudonia truncicolella |
| Evergestis pallidata |
| Eyebright |
| Fan-foot |
| Flame |
| Flame Shoulder |
| Four-dotted Footman |
| Foxglove Pug |
| Furness Dowd |
| Garden Grass-veneer |
| Garden Pebble |
| Garden Tiger |
| Golden Argent |
| Gold-ribbon Argent |
| Gothic |
| Green Arches |
| Green Carpet |
| Green Oak Tortrix |
| Grey Pug |
| Heart and Dart |
| Hoary Belle |
| Hook-Streak Grass-Veneer |
| July Highflyer |
| Large Emerald |
| Large Yellow Underwing |
| Lempke's Gold Spot |
| Light Emerald |
| Mallow |
| Map Winged Swift |
| Marbled Minor agg. |
| Marbled Orchard Tortrix |
| Middle Barred Minor |
| Mother of Pearl |
| Mottled Beauty |
| Mottled Rustic |
| Muslin Footman |
| Netted Argent |
| Nettle Tap |
| Northern Spinach |
| Notocelia trimaculana |
| Oak Eggar ( male flying during day ) |
| Olindia schumacherana |
| Opostega salaciella |
| Pandemis cinnamomeana |
| Peppered Moth |
| Phyllonorycter |
| Plain golden Y |
| Poplar Hawk Moth |
| Purple Clay |
| Riband Wave |
| Sandy Carpet |
| Satin Beauty |
| Satin Grass-Veneer |
| Satin Lutestring |
| Scalloped Oak |
| Scoparia ambigualis |
| Shoulder Striped Wainscot |
| Silver Y |
| Small Dotted Buff |
| Small Fan Footed Wave |
| Small Rivulet |
| Small Skipper |
| Smoky Wainscot |
| Snout |
| Straw Dot |
| Straw Grass-veneer |
| Swallow Tailed Moth |
| Tawny Speckled Pug |
| Tortrix moth |
| Udea olivalis |
| Uncertain |
| V Pug |
| Variagated Golden Tortrix |
| Yellow Oak Button |
| Yellow Shell |

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| **Butterfly** |
| Brimstone |
| Meadow Brown |
| Painted Lady |
| Peacock ( larvae ) |
| Ringlet |
| Small Tortoiseshell |
| Small White |
| Speckled Wood |
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| **Plants & Ferns** |

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| Alder |
| Ash |
| Balsam Poplar |
| Barren strawberry |
| Beech |
| Beech fern |
| Betony |
| Bilberry |
| Bindweed |
| Bittersweet |
| Black knapweed |
| Black Medick |
| Blackthorn |
| Bluebell |
| Bramble |
| Broom |
| Buckler-fern |
| Buddleia |
| Burnet - saxifrage |
| Cat's-ear |
| Cleavers |
| Cock's-foot |
| Common Bent |
| Common Bird's-foot-trefoil |
| Common Comfrey |
| Common Figwort |
| Common mouse-ear |
| Common polypody |
| Common sorrel |
| Compact Rush |
| Copper Beech |
| Cow Parsley |
| Cowslip |
| Crab Apple |
| Creeping buttercup |
| Creeping Soft-Grass |
| Creeping thistle |
| Crested Dog's-tail |
| Cuckoo pint |
| Daisy |
| Damson |
| Dandelion |
| Devil's bit scabious |
| Dock |
| Dog's mercury |
| Douglas Fir |
| Dove's-Foot Crane's-Bill |
| Downy Birch |
| Dyer's greenweed |
| Elder |
| Enchanter's-nightshade |
| English stonecrop |
| European larch |
| European silver-fir |
| Fairy flax |
| Field wood-rush |
| Foxglove |
| Garlic mustard |
| Giant Redwood |
| Goldenrod |
| Great Wood-rush |
| Greater plantain |
| Green Alkanet |
| Ground-Elder |
| Guelder rose |
| Hairy wood-rush |
| Harebell |
| Hart's-Tongue |
| Hawthorn |
| Hay rattle |
| Heath bedstraw |
| Heath-grass |
| Hedge Woundwort |
| Hemlock Water-Dropwort |
| Herb-robert |
| Hogweed |
| Holly |
| Honeysuckle |
| Hornbeam |
| Ivy |
| Jointed rush |
| Knotweed |
| Lady's bedstraw |
| Lady's mantle |
| Lesser stitchwort |
| Lesser Trefoil |
| Lime |
| Maidenhair spleenwort |
| Male-fern |
| Marsh bedstraw |
| Marsh thistle |
| Meadow Buttercup |
| Meadowsweet |
| Mouse-ear-hawkweed |
| Norway Spruce |
| Opposite-leaved Golden-saxifrage |
| Oval sedge |
| Oxeye daisy |
| Pearlwort |
| Perennial Rye-grass |
| Pignut |
| Pineappleweed |
| Primrose |
| Quaking grass |
| Ragwort |
| Ramsons |
| Raspberry |
| Red Campion |
| Red clover |
| Red Fescue |
| Remote sedge |
| Ribwort plantain |
| Rosebay Willowherb |
| Rough hawkbit |
| Rough Woodlouse |
| Rowan |
| Scots Pine |
| Selfheal |
| Sessile Oak |
| Silver Birch |
| Silverweed |
| Slender rush |
| Slender St John's-wort |
| Smooth Lady's mantle |
| Soft-rush |
| Spear thistle |
| Speedwell |
| Spring sedge |
| Stitchwort |
| Sweet Vernal-grass |
| Sycamore |
| Tawny Sedge |
| Thyme leaved speedwell |
| Tormentil |
| Touch-me-not Balsam |
| Tutsan |
| Vetch |
| Violet |
| Wall lettuce |
| Wavy bitter-cress |
| Wayfaring Tree |
| Welsh Poppy |
| White clover |
| Wild thyme |
| Wood Anemone |
| Wood avens |
| Wood dock |
| Wood sage |
| Wood sorrel |
| Wood-sedge |
| Yarrow |
| Yellow Archangel |
| Yew |
| Yorkshire-fog |

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| **Mosses & liverworts** |

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| Atrichum undulatum |
| Bank Haircap |
| Barbilophozia attenuata |
| Campylopus introflexus |
| Common Tamarisk-moss |
| Cryphea heteromalla |
| Ctenidium molluscum |
| Dicranum majus |
| Dicranum scoparium |
| Diplophyllum albicans |
| Eurhynchium striatum |
| Fissidens taxifollus |
| Fontinalis antipyretica |
| Forked Veilwort |
| Frullania dilatata |
| Frullania tamarisci |
| Hookeria lucens |
| Hypnum andoi |
| Hypnum Jutlandicum |
| Iophocolea bidentata |
| Kindbergia praelonga |
| Lepidozia reptans |
| Leucobryum glaucum |
| Little Shaggy-moss |
| Mnium hornum |
| Neckera complanata |
| Neckera crispa |
| Nowellia curvifolia |
| Plagiochila porelloides |
| Plagiothecium undulatum |
| Platyhypnidium riparoides |
| Polytrichastrum formosum |
| Porella cordeana |
| Porella platyphylla |
| Rhizomnium punctatum |
| Riccardia chamedryfolia |
| Scapania irrigua |
| Slender Mouse-Tail Moss |
| Springy Turf-Moss |
| Tetraphis pellucida |
| Thamnobryum alopecurum |

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| **Lichen and fungi** |

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| Arthonia radiata |
| Ash die back |
| Birch Polypore |
| Bolete Fungus |
| Chicken of the woods |
| Cladonia |
| Coral Spot Fungus |
| Dead mans fingers |
| Dog vomit slime mould |
| Ermine moth |
| Evernia prunastri |
| Flavoparmelia caperata |
| Fuscidea lightfootil |
| Graphis scripta |
| Honey Fungus |
| Hypogymnia physodes |
| Hyprotrachyna revoluta s.lat. |
| Lecanora chlarotera |
| Lecidea lithophila |
| Lecidella elaeochroma |
| Lepraria membranacea |
| Normandina pulchella |
| Ochrolechia androgyna |
| Opegrapha atra |
| Orange Spot Coral Fungus |
| Pachyphiale carneola |
| Parmelia saxatilis |
| Parmelia sulcata |
| Parmotrema perlatum |
| Peltigera membranacea |
| Peltigera praetextata |
| Pertusaria albescens |
| Pertusaria flavida |
| Pertusaria hymenea |
| Pertusaria pertusa |
| Phlyctis argena |
| Physcia adscendens |
| Platismatia glauca |
| Psilolechia lucida |
| Punctelia subrudecta |
| Pyrrhospora quernea |
| Ramalina farinacea |
| Rhizocarpon geographicum |
| Stereocaulon vesuvianum |
| Steriocybe septata |
| Sulphur tuft mushroom |
| Turkey Tail |
| Xanthoparmelia conspersa |
| Xanthoria parientina |

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| Xanthoria polycarpa |