

List of plants (164 species) and animals (113 species including insects) found on the Heybrook Ridge parcel, May through July 2007, by Bob Hubbard and Cate Burnett. Grouped by growth form (plants), and by feeding strategy (animals).



| Scientific name | Common name | Abbr. |
|---|----------------------------|--------|
| Trees: | | |
| Conifers (Softwoods): | | |
| <i>Pseudotsuga menziesii</i> | Douglas-fir..... | PSME |
| <i>Tsuga heterophylla</i> | Western Hemlock..... | TSHE |
| <i>Thuja plicata</i> | Western Redcedar..... | THPL |
| <i>Chamaecyparis nootkatensis</i> | Alaska Yellow Cedar..... | CHNO |
| <i>Taxus brevifolia</i> | Pacific Yew..... | TABR |
| <i>Picea sitchensis</i> | Sitka Spruce..... | PISI |
| Hardwoods: | | |
| <i>Acer macrophyllum</i> | Bigleaf Maple..... | ACMA |
| <i>Acer circinatum</i> | Vine Maple..... | ACCI |
| <i>Alnus rubra</i> | Red Alder..... | ALRU |
| <i>Populus trichocarpa</i> | Black Cottonwood..... | POTR |
| <i>Prunus avium</i> | Sweet Cherry..... | PRAV |
| <i>Prunus laurocerasis</i> | Cherry Laurel..... | PRLA |
| <i>Salix scouleriana</i> | Scouler's Willow..... | SASC |
| <i>Ilex aquafolium</i> | Holly..... | ILEU |
| <i>Rhamnus purshiana</i> | Cascara Buckthorn..... | RHPU |
| <i>Sorbus acuparia</i> | Rowan Tree..... | SOAC |
| Brush: | | |
| <i>Amalanchier alnifolia</i> | Serviceberry..... | AMAL |
| <i>Berberis nervosa</i> | Low Oregon-grape..... | BENE |
| <i>Cytisus scoparius</i> | Scot's Broom..... | CYSC |
| <i>Gaultheria shallon</i> | Salal..... | GASH |
| <i>Hedera helix</i> | English Ivy..... | HEHE |
| <i>Holodiscus discolor</i> | Ocean Spray..... | HODI |
| <i>Lonicera involucrata</i> | Twinberry..... | LOIN |
| <i>Oemleria cerasiformis</i> | Indian Plum..... | OECE |
| <i>Oplopanax horridum</i> | Devil's Club..... | OPHO |
| <i>Ribes bracteosum</i> | Stink Currant..... | RIBR |
| <i>Ribes lacustre</i> | Black Currant..... | RILA |
| <i>Ribes sanguineum</i> | Red Flowered Currant..... | RISA |
| <i>Rubus discolor</i> | Himalaya Blackberry..... | RUDI |
| <i>Rubus laciniata</i> | Cut-leaved Blackberry..... | RULA |
| <i>Rubus leucoderma</i> | Blackcap Raspberry..... | RULE |
| <i>Rubus parviflora</i> | Thimbleberry..... | RUPA |
| <i>Rubus spectabilis</i> | Salmonberry..... | RUSP |
| <i>Rubus ursinus</i> | Pacific Blackberry..... | RUUR |
| <i>Sambucus racemosa</i> | Red Elderberry..... | SARA |
| <i>Spiraea douglasii</i> | Douglas' Spiraea..... | SPDO |
| <i>Vaccinium parvifolium</i> | Red Huckleberry..... | VAPA |
| Ferns: | | |
| <i>Adiantum pedatum</i> | Maidenhair Fern..... | ADPE |
| <i>Athyrium filix-femina</i> | Lady Fern..... | ATFIFE |

| | | |
|--------------------------------------|--------------------------|------|
| <i>Blechnum spicant</i> | Deer Fern..... | BLSP |
| <i>Cryptogramma crispa</i> | Rock Brake..... | CRCR |
| <i>Cystopteris fragilis</i> | Brittle Bladderfern..... | CYFR |
| <i>Dryopteris austriaca</i> | Wood Fern..... | DRAU |
| <i>Gymnocarpium dryopteris</i> | Oak Fern..... | GYDR |
| <i>Polypodium glycyrrhiza</i> | Licorice Fern..... | POGL |
| <i>Polystichum munitum</i> | Sword Fern..... | POMU |
| <i>Pteridium aquilinum</i> | Bracken Fern..... | PTAQ |

Herbs

| | | |
|---|---------------------------------|--------|
| <i>Aira caryophylla</i> | Hairgrass..... | AICA |
| <i>Achlys triphylla</i> | Vanilla leaf..... | ACTR |
| <i>Anaphalis margaritacea</i> | Pearly Everlasting..... | ANMA |
| <i>Antennaria alpina</i> | Alpine Pussytoes..... | ANAL |
| <i>Anthemis cotula</i> | Mayweed..... | ANCO |
| <i>Aruncus sylvestris</i> | Goatsbeard..... | ARSY |
| <i>Carex kelloggii</i> | Kellogg's Sedge..... | CAKE |
| <i>Carex macloviana</i> | Falkland Island Sedge..... | CAMA |
| <i>Circaea alpina</i> | Enchanter's Nightshade..... | CIAL |
| <i>Cirsium arvense horridum</i> | Canada Thistle..... | CIARHO |
| <i>Cirsium edule</i> | Edible Thistle..... | CIED |
| <i>Chrysanthemum leucanthemum</i> | Oxeye Daisy..... | CHLE |
| <i>Cotoneaster</i> sp. | Cotoneaster..... | COsp |
| <i>Crepis capillaris</i> | Smooth Hawksbeard..... | CRCA |
| <i>Dicentra formosa</i> | Western Bleeding Heart..... | DIFO |
| <i>Disporum hookeri</i> | Hooker's Fairy-bells..... | DIHO |
| <i>Digitalis purpurea</i> | Foxglove..... | DIPU |
| <i>Epilobium angustifolium</i> | Fireweed..... | EPAN |
| <i>Epilobium minutum</i> | Small-flowered Willow-herb..... | EPMI |
| <i>Epilobium Watsoni</i> | Watson's Willow-herb..... | EPWA |
| <i>Fragaria vesca</i> | Woodland Strawberry..... | FRVE |
| <i>Galium aparine</i> | Bedstraw..... | GAAP |
| <i>Goodyera oblongifolia</i> | Rattlesnake-plantain..... | GOOB |
| <i>Geranium robertianum</i> | Herb Robert..... | GERO |
| <i>Geum macrophyllum</i> | Largeleaf Avens..... | GEMA |
| <i>Heuchera micrantha</i> | Alumroot..... | HEMI |
| <i>Hieracium albiflorum</i> | Whiteflowered Hawkweed..... | HIAL |
| <i>Holcus lanatus</i> | Velvet Grass..... | HOLA |
| <i>Hypericum perforatum</i> | Klamath Weed..... | HYPE |
| <i>Hypochaeris radicata</i> | Spotted Cat's Ear..... | HYRA |
| <i>Juncus effusus</i> | Common Rush..... | JUEF |
| <i>Juncus tenuis</i> | Slender Rush..... | JUTE |
| <i>Lactuca biennis</i> | Tall Blue Lettuce..... | LABI |
| <i>Lactuca muralis</i> | Wall Lettuce..... | LAMU |
| <i>Lapsana communis</i> | Nipplewort..... | LACO |
| <i>Lilium columbianum</i> | Tiger Lily..... | LICO |
| <i>Lotus crassifolius</i> , var. <i>subglaber</i> | Big Deervetch..... | LOCRSU |
| <i>Lotus micranthus</i> | Smallflowered Deervetch..... | LOMI |
| <i>Luzula parviflora</i> | Smallflowered Woodrush..... | LUPA |
| <i>Lychnis coronaria</i> | Rose Campion..... | LYCO |
| <i>Lysichiton americanum</i> | Skunk Cabbage..... | LYAM |
| <i>Maianthemum dilatatum</i> | False Lily-of-the-Valley..... | MADI |
| <i>Menziesia ferruginea</i> | Fool's Huckleberry..... | MEFE |
| <i>Mitella caulescens</i> | Leafy Miterwort..... | MICA |
| <i>Monotropa uniflora</i> | Indian Pipe..... | MOUN |
| <i>Montia parvifolia</i> | Streambank Springbeauty..... | MOPA |

| | | |
|--|-----------------------------------|--------|
| Montia siberica..... | Siberian Candyflower..... | MOSI |
| Oenanthe sarmentosa..... | Pacific Water Parsley..... | OESA |
| Phalaris arundinacea..... | Canary Reedgrass..... | PHAR |
| Plantago lanceolata..... | Lanceleaf Plantain..... | PLLA |
| Plantago major..... | English Plantain..... | PLMA |
| Rumex acetosella..... | Sheep Sorrel..... | RUAC |
| Rumex occidentalis..... | Western Dock..... | RUOC |
| Saxifrage ferruginia..... | Rusty Saxifrage..... | SAFE |
| Scutellaria lateriflora..... | Mad Dog Scullcap..... | SCLA |
| Senecio sylvaticus..... | Woodland Groundsel..... | SESY |
| Smilacena racemosa..... | Large Solomon's Plume..... | SMRA |
| Smilacena stellata..... | Starflowered Solomon's Plume..... | SMST |
| Solanum dulcamera..... | Felonwort..... | SODU |
| Streptopus amplexicaulis..... | Clasping-leaf Twisted-stalk..... | STAM |
| Tanacetum vulgare..... | Common Tansy..... | TAVU |
| Tolmiea menziesii..... | Thousand Mothers..... | TOME |
| Trientalis latifolia..... | Star Flower..... | TRLA |
| Trillium ovatum..... | Trillium..... | TROV |
| Trifolium repens..... | White Clover..... | TRRE |
| Urtica dioica..... | Stinging Nettle..... | URDI |
| Verbascum thaspus..... | Woolly Mullein..... | VETH |
| Veronica beccabunga, ssp. Americana..... | American Brooklime..... | VEBEAM |
| Veronica serpyllifolia..... | Thyme-leafed Speedwell..... | VESE |
| Veronica wormskjoldii..... | Alpine Speedwell..... | VEWO |
| Viola glabella..... | Woodland Violet..... | VIGL |
| Viola orbiculata..... | Roundleaf Violet..... | VIOR |

Mosses:

| | | |
|-------------------------------|------------------------------|------|
| Aulacomnium androgynum..... | Lover's Moss..... | AUAN |
| Dicranum fuscescens..... | Curley Herons-bill Moss..... | DIFU |
| Hylacomium splendens..... | Mountain Fern Moss..... | HYSP |
| Isoetium myosuroides..... | Cat Tail Moss..... | ISMY |
| Kindbergia oregana..... | Oregon Beaked Moss..... | KIOR |
| Leucolepis Acanthoneuron..... | Menzie's Tree Moss..... | LEAC |
| Oligotrichum aligerum..... | Small Hair Moss..... | OLAL |
| Polytrichum piliferum..... | Awed Haircap Moss..... | POPI |

Lichens:

| | | |
|------------------------------|-----------------------------------|------|
| Cladonia bellidiflora..... | Cladonia Lichen..... | CLBE |
| Cladina portentosa..... | Coastal Reindeer Lichen..... | CLPO |
| Cladonia squamosa..... | Dragon Cladonia Lichen..... | CLSQ |
| Hypogymnia enteromorpha..... | Beaded Bone Lichen..... | HYEN |
| Hypogymnia inactiva..... | Forking Bone Lichen..... | HYIN |
| Platismatia glauca..... | Ragbag Lichen..... | PLGL |
| Sphaerophorus globosus..... | Common Christmas-Tree Lichen..... | SPGL |
| Thelotrema lepadinum..... | Bark Barnacle Lichen..... | THLE |
| Usnea wirthii..... | Blood-Spattered Beard Lichen..... | USWI |

Fungi:

| | | |
|-----------------------------|---|------|
| Aeluria sp..... | Cup Fungus..... | AEsp |
| Ambrosiella ferruginea..... | Ambrosia Fungus (symbiont with Trypodendron lineatum)..... | AMFE |
| Ambrosiella sulcata..... | Ambrosia Fungus (symbiont with Gnathotrichus sulcatus)..... | AMSU |
| Armillaria mellea..... | Honey Mushroom; Shoestring Root | |
| Rot..... | | ARME |

| | | |
|----------------------------------|---|-------|
| Fomitopsis pinicola..... | Red Belt Fungus..... | FOPI |
| Fomitopsis cajanderi..... | Rosy Conk..... | FOCA |
| Ganoderma aplanatum..... | Artist's Conk..... | GAnAP |
| Phellinus weirii..... | Laminated Root Rot Fungus..... | PHWE |
| Pleurotus ostreatus..... | Oyster Mushroom..... | PLOS |
| Pucciniastrum goeppertianum..... | Blueberry Broom Rust..... | PUGO |
| Raffaelea canadensis..... | Ambrosia Fungus (symbiont with Platypus wilsoni)..... | RACA |
| Raffaelea sulcati..... | (symbiont with Gnathotrichus sulcatus)..... | RASU |
| Trametes versicolor..... | Turkey Tail Conk..... | TRVE |

Animals and their trophic relationships (Feeding strategies):

Invertebrates:

Mollusca:

Black Slug: Herbivore

Yellow and black spotted Slug: Herbivore

Arthropoda: (grouped by feeding guild, except aquatic insects)

Pollen or Nectar feeders (found foraging on flowers):

Small (5mm) brown oval beetle (Coleoptera)

Rove Beetle (Coleoptera; Staphylinidae)

Small (5mm) black round beetle (Coleoptera)

Lorquin's Admiral Butterfly (Lepidoptera; Nymphalidae; Limenitis lorquini)

Red Admiral Butterfly (Lepidoptera; Nymphalidae; Vanessa atalanta)

Tiger Swallowtail Butterfly (Lepidoptera; Papilionidae; Papilio rutulus)

Pine White Butterfly (Lepidoptera; Pieridae; Neophasia menapia)

Spring Azure Butterfly (Lepidoptera; Lycaenidae; Celastrina agricollis)

Andrenid Bee (Hymenoptera; Andrenidae)

Bumble Bees (2 species)(Hymenoptera; Apidae; Bombinae)

Bee Fly (Diptera; Bombyliidae)

Syrphid Flies (2 species)(Diptera; Syrphidae)

Lichen feeders:

Beetle Mite (Acari; Oribatida)

Springtail (Collembolla; Isotomidae)

Springtail (Collembolla, Sminthuridae)

Fungus feeders:

Beetle Mite (Acari; Oribatida)

Springtail (Collembolla; Isotomidae)

Springtail (Collembolla; Sminthuridae)

Fungus Gnat (Diptera; Mycetophyllidae)
Ambrosia Beetle (Coleoptera; Platypodidae; *Platypus Wilsoni*)
Ambrosia Beetle (Coleoptera; Scolytidae; *Gnathotrichus sulcatus*)
Ambrosia Beetle (Coleoptera; Scolytidae; *Trypodendron lineatum*)

Herbivores I: Chewers:

Short-horned Grasshopper (Orthoptera; Acrididae)
Small (8mm) brown Weevil (Coleoptera; Curculionidae)
Alder Bark Beetle (Coleoptera; Scolytidae; *Alniphagus aspericollis*)
Click Beetle (Coleoptera; Elateridae)
Leafrolling Caterpillar (Lepidoptera)
Small (10mm) brown Moth (Lepidoptera)
Large (50mm) light green Caterpillar (Lepidoptera)
Alder Flea Beetle (Coleoptera; Chrysomelidae; *Altica ambiens*)
Leaf Miner Fly (Diptera; Agromyzidae)
Lorquin's Admiral Butterfly (Lepidoptera; Nymphalidae; *Limenitis lorquini*)
Red Admiral Butterfly (Lepidoptera; Nymphalidae; *Vanessa atalanta*)
Tiger Swallowtail Butterfly (Lepidoptera; Papilionidae; *Papilio rutulus*)
Pine White Butterfly (Lepidoptera; Pieridae; *Neophasia menapia*)
Spring Azure Butterfly (Lepidoptera; Lycaenidae; *Celastrina agricola*)
Sawfly (Hymenoptera; Tenthredinidae)

Herbivores II: Piercers / suckers:

Green Aphid (Homoptera; Aphididae)
Grey Aphid (Homoptera; Aphididae)
Cooley's Adelgid (Homoptera; Adelgidae; *Adelges cooleyi*)
Alder Aphid (Homoptera; Aphididae; *Pterocallis alni*)
Leafhopper (Homoptera; Cicadellidae)
Plant Bug (Hemiptera; Miridae)
Stink Bug (Hemiptera; Pentatomidae)
Spittle Bug (Homoptera; Cercopidae)
Alder Spittlebug (Homoptera; Cercopidae; *Clastoptera obtusa*)

Litter feeders:

Millipede, small (15mm) (Diplopoda; Spirobolida)
Millipede, large (50mm) (Diplopoda; Polydesmidae; *Harpaphe haydeniana*)
Millipede, small (25mm) (Diplopoda; Spirobolida)
Springtail (Collembolla; Isotomidae)
Springtail (Collembolla; Sminthuridae)
Beetle mite (Acari; Oribatida)

Dung or Carrion feeders:

House Fly (Diptera; Muscidae; *Musca domestica*) (Dung, filth and carrion feeder; omnivore)
Greenbottle Fly (Diptera; Calliphoridae; *Lucilia* sp.) Carrion feeder
Burying Beetle (Coleoptera; Silphidae; *Nicrophorus* sp.) Carrion feeder (Poecilochirid mites travelling on body)

Wood Eaters (xylovores):

Longhorned Beetle (Coleoptera; Cerambycidae; *Rosalia funebris*)
Flatheaded Wood Borer (Coleoptera; Buprestidae; *Tachykele blondeli*)
Pinhole borer (Coleoptera; Anobiidae)
Pacific Dampwood Termite (Isoptera; Hodotermitidae; *Zootermopsis angusticollis*)

Insect Eaters (Predators):

Wolf Spider (Araneae; Lycosidae)
Jumping Spider (Araneae; Salticidae)
Crab Spider (Araneae; Thomisidae)
Orb weaver Spider (Araneae; Aranidae)
Small red ant (Hymenoptera; Formicidae)
Small black ant (Hymenoptera; Formicidae)
Carpenter Ant (Hymenoptera; Formicidae; Camponotus sp.) (Also tends aphids for honeydew)
Snakefly (Neuroptera; Raphidiidae)
Dobsonfly (Neuroptera; Corydalidae)
Lady Beetle (Coleoptera; Coccinellidae)
Rove Beetle (Coleoptera; Staphylinidae)
Tiger Beetle (Coleoptera; Cicindelidae)
Flat Bark Beetle (Coleoptera; Cucujidae; Cucujus flavipes)
Lightning Bug (Coleoptera; Lampyridae)
Hover Fly (Diptera; Syrphidae) (Larvae predaceous; adults nectar sippers)
Robber Fly (Diptera; Asilidae)
Giant Red Velvet Mite (Acari; Trombididae) (predaceous on many small insects and mites)
Whirlygig Mite (Acari; Anystidae) (eats small insects and mites)
Small dark Water Mite (Acari; Hydrophilidae): Insect parasite
Large red Water Mite (Acari, Lebertiidae) Insect parasite of Whirlygig Beetles
Braconid Wasp (Hymenoptera; Braconidae) Insect parasite
Bee Fly (Diptera; Bombyliidae) Insect parasite
Poecilochirid Mite (Acari; Gamasida; Parasitidae; probably Poecilochirus necrophori):eats fly eggs on carrion.

Blood Feeders on Vertebrates:

Deer Fly (Diptera; Tabanidae; Chrysops sp.)
Black Fly (Diptera; Simuliidae)
Mosquito (Diptera; Culicidae)

Aquatic Insects:

Mosquito (Diptera; Culicidae) : Vertebrate blood feeder
Black Fly (Diptera; Simuliidae); Vertebrate blood feeder
Deer Fly (Diptera; Tabanidae; Chrysops sp.); Vertebrate blood feeder
Dobsonfly (Neuroptera; Corydalidae) Large predator of insects, tadpoles and small fish
Water Strider (Hemiptera; Gerridae) predator of insects
Whirlygig Beetle (Coleoptera; Gyrinidae) predator of insects
Chironomid Midge (Diptera; Chironomidae) Larvae eat decaying leaf matter, nonfeeding adults
Northern Casemaking Caddisfly (Trichoptera; Limnephilidae) Larvae eat decaying leaf matter, nonfeeding adults
Mayfly (Ephemeroptera) Larvae herbivores on algae, nonfeeding adults
Water Scavenger Beetle (Coleoptera; Hydrophilidae); scavenger and saprovores and predator

Vertebrates:

Salmonid fry (Salmonidae): eats small stream insects and other invertebrates
Tadpole (Amphibian, Ascaphidae): tadpole eats algae and small planktonic invertebrates; adult eats insects
Shrew (Mammalia; Insectivora; Sorex sp.): carnivore; eats worms, insects, and other invertebrates
Coyote (Mammalia; Carnivora; Canis latrans): omnivore
Columbian Blacktail Deer (Mammalia; Artiodactyla; Cervidae): Herbivore
Raccoon (Mammalia; Procyonidae; Procyon lotor): Omnivore

Black Bear (Mammalia; Carnivora; *Euarctos americanus*): Omnivore
Barred Owl (Aves; Strigidae; *Strix varia*): Carnivore; eats birds and small mammals and some insects
Osprey (Aves; Pandionidae; *Pandion haliaetus*): Carnivore; Fish eater
Hairy Woodpecker (Aves; Picidae; *Picoides villosus*): Insect eater
Pileated Woodpecker (Aves; Picidae; *Dryocopus pileatus*): Insect eater
Steller's Jay (Aves; Corvidae; *Cyanocitta stelleri*): Omnivore
Common Raven (Aves; Corvidae; *Corvus corax*) Omnivore, Saprovore
Starling (Aves; Laniidae; *Sturnus vulgaris*): Omnivore
Violet-Green Swallow (Aves; Alaudidae; *Tachycineta thalassina*): Insectivore
Robin (Aves; Turdidae; *Turdus migratorius*): Insect and worm eater
Mallard (Aves; Anatidae; *Anas platyrhynchos*); Mostly vegetarian; eats some insects
Western Tanager (Aves; Thraupidae; *Piranga ludoviciana*): Insect eater, Berry and Fruit eater
Oregon Junco (Aves; Fringillidae; *Junco oreganus*): seed eater
Hummingbird (Aves; Trochillidae): Insect eater, Nectar sipper
Winter Wren (Aves; Troglodytidae; *Troglodytes troglodytes*): Insect eater
Turkey Vulture (Aves; Cathartidae; *Cathartes aura*); Carrion feeder