

# Kenai National Wildlife Refuge Species List, version 2016-12-15

Kenai National Wildlife Refuge biology staff



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December 15, 2016

Cover images represent changes to the checklist. Top left: *Ligyrocoris sylvestris* feeding on *Rubus chamaemorus*, Headquarters Lake wetland, July 15, 2013 (<http://arctos.database.museum/media/10373139>). Image CC0 Matt Bowser. Top right: *Lecania dubitans* collected off of Skilak Loop Road by Ed Berg on June 23, 2005 (<http://arctos.database.museum/media/10419592>). Image CC0 Matt Bowser. Bottom left: *Piptoporus betulinus* observed on March 31, 2015 near Headquarters Lake (<http://www.inaturalist.org/observations/1353794>). Image CC BY Matt Bowser. Bottom right: *Mimulus guttatus* photographed on the Fuller Lake Trail, July 13, 2014 (<http://www.inaturalist.org/observations/799839>). Image CC BY-NC-ND Matt Muir.

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# Introduction

## Purpose

A primary purpose for which the Kenai National Wildlife Refuge was established in the Alaska National Interest Lands Conservation Act of 1980 was, “to conserve fish and wildlife populations and habitats in their natural diversity...,” where the term “fish and wildlife” was defined as “any member of the animal kingdom, including without limitation any mammal, fish, bird..., amphibian, reptile, mollusk, crustacean, arthropod or other invertebrate.” An obvious first step toward fulfilling this purpose is to know what fish and wildlife, habitats, and natural diversity are to be conserved. This checklist is intended to be a frequently-updated document reflecting our current knowledge of which living things call the Kenai National Wildlife Refuge home.

## About the list

The present list includes a total of 2,053 species: 207 vertebrates, 768 invertebrates, 500 vascular plants, 181 bryophytes, 368 fungi, and 29 unicellular organisms. Of these, 1,959 are considered to be native, 90 species are considered to be non-native, and four species are represented by both native and non-native populations. In addition, 18 non-native species are believed to have been extirpated from the Refuge.

Since the last version of this list ([Kenai National Wildlife Refuge biology staff, 2016](#)) where 1,952 species were listed, there has been a net increase of 101 species. Notable additions include the phylum Tardigrada and the domestic cat (*Felis catus*). See the change log (page 65) for details.

The list was produced from an in-house database using ITIS (<http://www.itis.gov>) for its taxonomic backbone. Accordingly, names and hierarchies generally follow ITIS except where taxa are not represented in ITIS.

Although accepted scientific names are used wherever these are known, we have included provisional identifications (for example, “*Typhula* sp.”) where these represent the best information available. Species recognized only as molecular operational taxonomic units are also included, mainly entities recognized by Barcode Index Numbers (BINs, [Ratnasingham and Hebert, 2013](#)). We have chosen not to follow the usual convention of italicizing genus and species

names because our current system does not enable us to handle accepted and provisional names separately. We want to avoid implying that any of the provisional names we use are formally accepted by formatting them as proper scientific names. Also, note that our database enforces lower case letters in our specific epithets so that, for example, “*Rabdophaga* sp. BOLD:ADA9342” becomes “*Rabdophaga* sp. bold:ada9342.”

Synonymies we included do not necessarily reflect our opinions and are not intended as statements on correct taxonomy (we generally follow ITIS); rather, synonymms are included in the index as an aid to the reader to help find taxa for which names may have changed.

In the checklist non-native species are indicated with a dagger symbol (†) and species represented by both native and non-native populations are indicated with a double dagger symbol (‡).

This list is dynamic and far from perfect with many changes and corrections yet to be made. Please send comments and corrections to Matt Bowser at [matt.bowser@fws.gov](mailto:matt.bowser@fws.gov).

## Acknowledgments

Thanks and credit are due to many people who have reviewed this list, provided identifications, and helped in other ways. The list below is by no means exhaustive.

**James Bergdahl** (Conservation Biology Center, Spokane, Washington) reviewed and made helpful comments on the Refuge’s list of Carabidae.

**Peter Hovingh** provided a list of leeches (Hirudinea) collected on the Refuge.

**John Hudson** (USFWS, Juneau, Alaska) provided lists of Odonata observed on the Refuge.

**Richard Payne** (University of York, Heslington, UK) provided a list of protists from Jigsaw Lake from [Payne et al. \(2006\)](#).

**David Wartinbee** (retired from Kenai Peninsula College, Soldotna, Alaska) shared a list of Chironomidae he had collected on the Refuge.



# Checklist of species occurring on the Kenai National Wildlife Refuge

## Vertebrates

### Phylum Chordata

#### Class Actinopterygii

##### Order Cypriniformes

###### Family Catostomidae

###### *Catostomus catostomus*

COMMON NAMES: Longnose sucker

TAXONOMIC NOTES: Two forms have been documented from the Refuge: the typical form and a semi-dwarf form known from Wolf and Finger Lakes (Dean and Rickabough, 2005).

DISTRIBUTION AND TRENDS: Widespread across Alaska, northern North America, and into Arctic Siberia (Page and Burr, 1991). This species is present in the Kenai River and Swanson River watersheds on the Refuge (Dean and Rickabough, 2005).

BIOLOGY: *Catostomus catostomus* is a bottom-feeder, consuming mainly invertebrates (Mansfield, 2004).

LITERATURE RECORDS: Dean and Rickabough (2005), Friedersdorff (1986), Friedersdorff and Jakubas (1984a), Friedersdorff and Jakubas (1984b)

##### Order Gasterosteiformes

###### Family Gasterosteidae

###### *Gasterosteus aculeatus*

COMMON NAMES: Threespine stickleback

LITERATURE RECORDS: Kyle (1992) iNATURALIST OBSERVATIONS: 2138344

###### *Pungitius pungitius*

COMMON NAMES: Tenspined stickleback

##### Order Salmoniformes

###### Family Salmonidae

###### *Oncorhynchus gorbuscha*

COMMON NAMES: Humpbacked salmon

###### *Oncorhynchus keta*

COMMON NAMES: Chum salmon

###### *Oncorhynchus kisutch*

COMMON NAMES: Coho salmon or silver salmon

###### *Oncorhynchus mykiss*

COMMON NAMES: Steelhead

LITERATURE RECORDS: Kyle (1992) iNATURALIST OBSERVATIONS: 811982, 1814201

###### *Oncorhynchus nerka*

COMMON NAMES: Sockeye salmon or kokanee

LITERATURE RECORDS: Kyle (1992) iNATURALIST OBSERVATIONS: 1021584

###### *Oncorhynchus tshawytscha*

COMMON NAMES: Chinook salmon or king salmon

###### *Prosopium cylindraceum*

COMMON NAMES: Round whitefish

LITERATURE RECORDS: Kyle (1992)

###### *Salvelinus alpinus*

COMMON NAMES: Arctic char

###### *Salvelinus malma*

COMMON NAMES: Dolly varden

LITERATURE RECORDS: Kyle (1992) iNATURALIST OBSERVATIONS: 811997

###### *Salvelinus namaycush*

COMMON NAMES: Lake trout

LITERATURE RECORDS: Kyle (1992)

###### †*Thymallus arcticus*

COMMON NAMES: Arctic grayling

##### Order Scorpaeniformes

###### Family Cottidae

###### *Cottus aleuticus*

COMMON NAMES: Coastrange sculpin

LITERATURE RECORDS: Kyle (1992)

###### *Cottus cognatus*

COMMON NAMES: Slimy sculpin

LITERATURE RECORDS: Kyle (1992)

#### Class Amphibia

##### Order Anura

###### Family Ranidae

###### *Lithobates sylvaticus*

SYNONYMS: *Rana sylvatica*

COMMON NAMES: Wood frog

iNATURALIST OBSERVATIONS: 115158, 115166, 117220, 1816454

#### Class Aves

##### Order Accipitriformes

###### Family Accipitridae

###### *Accipiter gentilis*

COMMON NAMES: Northern goshawk

iNATURALIST OBSERVATIONS: [114273](#)

**Accipiter striatus**

COMMON NAMES: Sharp-shinned hawk

**Aquila chrysaetos**

COMMON NAMES: Golden eagle

**Buteo jamaicensis**

COMMON NAMES: Red-tailed hawk

**Buteo lagopus**

COMMON NAMES: Rough-legged hawk

**Circus cyaneus**

COMMON NAMES: Northern harrier

**Haliaeetus leucocephalus**

COMMON NAMES: Bald eagle

iNATURALIST OBSERVATIONS: [353902](#), [2318743](#)

**Family Pandionidae**

**Pandion haliaetus**

COMMON NAMES: Osprey

iNATURALIST OBSERVATIONS: [17348](#)

**Order Anseriformes**

**Family Anatidae**

**Anas acuta**

COMMON NAMES: Northern pintail

**Anas americana**

COMMON NAMES: American wigeon

iNATURALIST OBSERVATIONS: [38971](#)

**Anas clypeata**

COMMON NAMES: Northern shoveler

**Anas crecca**

COMMON NAMES: Green-winged teal

**Anas discors**

COMMON NAMES: Blue-winged teal

**Anas platyrhynchos**

COMMON NAMES: Mallard

**Anas strepera**

COMMON NAMES: Gadwall

**Anser albifrons**

COMMON NAMES: Greater white-fronted goose

**Aythya americana**

COMMON NAMES: Redhead

**Aythya collaris**

COMMON NAMES: Ring-necked duck

**Aythya marila**

COMMON NAMES: Greater scaup

**Aythya valisineria**

COMMON NAMES: Canvasback

**Branta canadensis**

COMMON NAMES: Canada goose

**Branta hutchinsii**

COMMON NAMES: Cackling goose

**Bucephala albeola**

COMMON NAMES: Bufflehead

iNATURALIST OBSERVATIONS: [2097731](#)

**Bucephala clangula**

COMMON NAMES: Common goldeneye

iNATURALIST OBSERVATIONS: [14378](#)

**Bucephala islandica**

COMMON NAMES: Barrow's goldeneye

**Chen caerulescens**

COMMON NAMES: Snow goose

**Clangula hyemalis**

COMMON NAMES: Long-tailed duck

**Cygnus buccinator**

COMMON NAMES: Trumpeter swan

LITERATURE RECORDS: [Hansen et al. \(1971\)](#) iNATURALIST OBSERVATIONS: [14908](#)

**Cygnus columbianus**

COMMON NAMES: Tundra swan

**Histrionicus histrionicus**

COMMON NAMES: Harlequin duck

**Melanitta fusca**

COMMON NAMES: White-winged scoter

**Melanitta nigra**

COMMON NAMES: Black scoter

**Melanitta perspicillata**

COMMON NAMES: Surf scoter

**Mergus merganser**

COMMON NAMES: Common merganser

**Mergus serrator**

COMMON NAMES: Red-breasted merganser

iNATURALIST OBSERVATIONS: [1741201](#)

**Order Apodiformes**

**Family Trochilidae**

**Selasphorus rufus**

COMMON NAMES: Rufous hummingbird

**Order Charadriiformes**

**Family Alcidae**

**Brachyramphus marmoratus**

COMMON NAMES: Marbled murrelet

**Family Charadriidae**

**Charadrius semipalmatus**

COMMON NAMES: Semipalmated plover

**Pluvialis dominica**

COMMON NAMES: American golden-plover

**Pluvialis fulva**

COMMON NAMES: Pacific golden-plover

**Pluvialis squatarola**

COMMON NAMES: Black-bellied plover

**Family Laridae**

**Larus argentatus**

COMMON NAMES: Herring gull

**Larus canus**

COMMON NAMES: Mew gull

iNATURALIST OBSERVATIONS: [568363](#)

**Larus glaucescens**

COMMON NAMES: Glaucous-winged gull



**Larus philadelphia**

COMMON NAMES: Bonaparte's gull

**Rissa tridactyla**

COMMON NAMES: Black-legged kittiwake

**Sterna aleutica**

COMMON NAMES: Aleutian tern

**Sterna caspia**

COMMON NAMES: Caspian tern

**Sterna paradisaea**

COMMON NAMES: Arctic tern

**Family Scolopacidae****Actitis macularius**

COMMON NAMES: Spotted sandpiper

INATURALIST OBSERVATIONS: [799862](#)**Arenaria interpres**

COMMON NAMES: Ruddy turnstone

**Arenaria melanocephala**

COMMON NAMES: Black turnstone

**Bartramia longicauda**

COMMON NAMES: Upland sandpiper

**Calidris bairdii**

COMMON NAMES: Baird's sandpiper

**Calidris mauri**

COMMON NAMES: Western sandpiper

**Calidris melanotos**

COMMON NAMES: Pectoral sandpiper

**Calidris minutilla**

COMMON NAMES: Least sandpiper

**Calidris pusilla**

COMMON NAMES: Semipalmated sandpiper

**Gallinago delicata**

COMMON NAMES: Wilson's snipe

**Heteroscelus incanus**

COMMON NAMES: Wandering tattler

**Limnodromus griseus**

COMMON NAMES: Short-billed dowitcher

**Limnodromus scolopaceus**

COMMON NAMES: Long-billed dowitcher

**Limosa haemastica**

COMMON NAMES: Hudsonian godwit

**Numenius phaeopus**

COMMON NAMES: Whimbrel

**Phalaropus lobatus**

COMMON NAMES: Red-necked phalarope

**Tringa flavipes**

COMMON NAMES: Lesser yellowlegs

INATURALIST OBSERVATIONS: [14388](#)**Tringa melanoleuca**

COMMON NAMES: Greater yellowlegs

INATURALIST OBSERVATIONS: [1620784](#)**Tringa solitaria**

COMMON NAMES: Solitary sandpiper

INATURALIST OBSERVATIONS: [117202](#)**Order Coraciiformes****Family Alcedinidae****Megaceryle alcyon**

COMMON NAMES: Belted kingfisher

INATURALIST OBSERVATIONS: [14377](#)**Order Falconiformes****Family Falconidae****Falco columbarius**

COMMON NAMES: Merlin

**Falco peregrinus**

COMMON NAMES: Peregrine falcon

**Falco rusticolus**

COMMON NAMES: Gyrfalcon

**Falco sparverius**

COMMON NAMES: American kestrel

**Order Galliformes****Family Phasianidae****†Bonasa umbellus**

COMMON NAMES: Ruffed grouse

**Falcipennis canadensis**

COMMON NAMES: Spruce grouse

INATURALIST OBSERVATIONS: [114271](#), [117201](#), [799838](#), [2318744](#), [2318748](#)**Lagopus lagopus**

COMMON NAMES: Willow ptarmigan

**Lagopus leucura**

COMMON NAMES: White-tailed ptarmigan

**Lagopus muta**

COMMON NAMES: Rock ptarmigan

**†Meleagris gallopavo**

COMMON NAMES: Wild turkey

**Order Gaviiformes****Family Gaviidae****Gavia immer**

COMMON NAMES: Common loon

INATURALIST OBSERVATIONS: [117215](#)**Gavia pacifica**

COMMON NAMES: Pacific loon

**Gavia stellata**

COMMON NAMES: Red-throated loon

**Order Gruiformes****Family Gruidae****Grus canadensis**

COMMON NAMES: Sandhill crane

INATURALIST OBSERVATIONS: [125358](#), [568346](#)**Order Passeriformes****Family Alaudidae****Eremophila alpestris**

COMMON NAMES: Horned lark

**Family Bombycillidae**

**Bombycilla garrulus**

COMMON NAMES: Bohemian waxwing

**Family Certhiidae****Certhia americana**

COMMON NAMES: Brown creeper

iNATURALIST OBSERVATIONS: [2318731](#)**Family Cinclidae****Cinclus mexicanus**

COMMON NAMES: American dipper

iNATURALIST OBSERVATIONS: [2460496](#)**Family Corvidae****Corvus caurinus**

COMMON NAMES: Northwestern crow

**Corvus corax**

COMMON NAMES: Common raven

**Cyanocitta stelleri**

COMMON NAMES: Steller's jay

**Perisoreus canadensis**

COMMON NAMES: Gray jay

iNATURALIST OBSERVATIONS: [115165](#), [117211](#), [568384](#), [799843](#), [2097733](#), [2318733](#)**Pica pica**

SYNONYMS: Pica hudsonia

COMMON NAMES: Black-billed magpie

**Family Emberizidae****Calcarius lapponicus**

COMMON NAMES: Lapland longspur

**Junco hyemalis**

COMMON NAMES: Dark-eyed junco

iNATURALIST OBSERVATIONS: [114272](#), [115160](#), [799836](#), [800017](#)**Melospiza lincolni**

COMMON NAMES: Lincoln's sparrow

**Melospiza melodia**

COMMON NAMES: Song sparrow

**Passerculus sandwichensis**

COMMON NAMES: Savannah sparrow

iNATURALIST OBSERVATIONS: [799854](#)**Passerella iliaca**

COMMON NAMES: Fox sparrow

**Plectrophenax nivalis**

COMMON NAMES: Snow bunting

iNATURALIST OBSERVATIONS: [134313](#)**Spizella arborea**

COMMON NAMES: American tree sparrow

**Zonotrichia atricapilla**

COMMON NAMES: Golden-crowned sparrow

iNATURALIST OBSERVATIONS: [799858](#)**Zonotrichia leucophrys**

COMMON NAMES: White-crowned sparrow

iNATURALIST OBSERVATIONS: [115149](#), [799848](#)**Family Fringillidae****Carduelis flammea**

COMMON NAMES: Common redpoll

**Carduelis pinus**

COMMON NAMES: Pine siskin

**Leucosticte tephrocotis**

COMMON NAMES: Gray-crowned rosy-finch

**Loxia curvirostra**

COMMON NAMES: Red crossbill

**Loxia leucoptera**

COMMON NAMES: White-winged crossbill

**Pinicola enucleator**

COMMON NAMES: Pine grosbeak

iNATURALIST OBSERVATIONS: [568354](#), [800011](#)**Family Hirundinidae****Petrochelidon pyrrhonota**

COMMON NAMES: Cliff swallow

**Riparia riparia**

COMMON NAMES: Bank swallow

**Tachycineta bicolor**

COMMON NAMES: Tree swallow

**Tachycineta thalassina**

COMMON NAMES: Violet-green swallow

**Family Icteridae****Euphagus carolinus**

COMMON NAMES: Rusty blackbird

**Family Laniidae****Lanius excubitor**

COMMON NAMES: Northern shrike

**Family Motacillidae****Anthus rubescens**

COMMON NAMES: American pipit

**Family Muscicapidae****Oenanthe oenanthe**

COMMON NAMES: Northern wheatear

**Family Paridae****Poecile atricapillus**

COMMON NAMES: Black-capped chickadee

iNATURALIST OBSERVATIONS: [2318746](#)**Poecile hudsonicus**

COMMON NAMES: Boreal chickadee

iNATURALIST OBSERVATIONS: [114310](#), [115162](#), [117213](#), [568382](#), [800016](#), [2318745](#)**Family Parulidae****Dendroica coronata**

COMMON NAMES: Yellow-rumped warbler

**Dendroica petechia**

COMMON NAMES: Yellow warbler

**Dendroica striata**

COMMON NAMES: Blackpoll warbler

**Dendroica townsendi**

COMMON NAMES: Townsend's warbler

**Seiurus noveboracensis**

COMMON NAMES: Northern waterthrush

**Vermivora celata**

SYNONYMS: Oreothlypis celata, Leiothlypis celata

COMMON NAMES: Orange-crowned warbler

INATURALIST OBSERVATIONS: [799849](#)**Wilsonia pusilla**

COMMON NAMES: Wilson's warbler

**Family Regulidae****Regulus calendula**

COMMON NAMES: Ruby-crowned kinglet

INATURALIST OBSERVATIONS: [114311](#), [799835](#)**Regulus satrapa**

COMMON NAMES: Golden-crowned kinglet

**Family Sittidae****Sitta canadensis**

COMMON NAMES: Red-breasted nuthatch

**Family Troglodytidae****Troglodytes pacificus**

COMMON NAMES: Pacific wren

INATURALIST OBSERVATIONS: [2318732](#), [2318732](#)**Family Turdidae****Catharus guttatus**

COMMON NAMES: Hermit thrush

INATURALIST OBSERVATIONS: [114309](#)**Catharus minimus**

COMMON NAMES: Gray-cheeked thrush

**Catharus ustulatus**

COMMON NAMES: Swainson's thrush

**Ixoreus naevius**

COMMON NAMES: Varied thrush

**Myadestes townsendi**

COMMON NAMES: Townsend's solitaire

**Turdus migratorius**

COMMON NAMES: American robin

INATURALIST OBSERVATIONS: [115148](#), [799841](#)**Family Tyrannidae****Contopus cooperi**

COMMON NAMES: Olive-sided flycatcher

**Contopus sordidulus**

COMMON NAMES: Western wood-pewee

**Empidonax alnorum**

COMMON NAMES: Alder flycatcher

**Empidonax hammondi**

COMMON NAMES: Hammond's flycatcher

**Order Piciformes****Family Picidae****Colaptes auratus**

COMMON NAMES: Northern flicker

**Picoides arcticus**

COMMON NAMES: Black-backed woodpecker

**Picoides dorsalis**

COMMON NAMES: American three-toed woodpecker

**Picoides pubescens**

COMMON NAMES: Downy woodpecker

**Picoides villosus**

COMMON NAMES: Hairy woodpecker

**Order Podicipediformes****Family Podicipedidae****Podiceps auritus**

COMMON NAMES: Horned grebe

**Podiceps grisegena**

COMMON NAMES: Red-necked grebe

**Order Procellariiformes****Family Hydrobatidae****Oceanodroma furcata**

COMMON NAMES: Fork-tailed storm-petrel

**Order Strigiformes****Family Strigidae****Aegolius acadicus**

COMMON NAMES: Northern saw-whet owl

**Aegolius funereus**

COMMON NAMES: Boreal owl

**Asio flammeus**

COMMON NAMES: Short-eared owl

**Bubo virginianus**

COMMON NAMES: Great horned owl

**Strix nebulosa**

COMMON NAMES: Great gray owl

**Surnia ulula**

COMMON NAMES: Northern hawk owl

**Order Suliformes****Family Phalacrocoracidae****Phalacrocorax auritus**

COMMON NAMES: Double-crested cormorant

**Class Cephalaspidomorphi****Order Petromyzontiformes****Family Petromyzontidae****Lampetra camtschatica**

COMMON NAMES: Arctic lamprey

**Lampetra tridentata**

COMMON NAMES: Pacific lamprey

**Class Mammalia****Order Artiodactyla****Family Bovidae****Oreamnos americanus**

COMMON NAMES: Mountain goat

**Ovis dalli**

COMMON NAMES: Dall's sheep

INATURALIST OBSERVATIONS: [14893](#)

**Family Cervidae****Alces alces**

COMMON NAMES: Moose

**Rangifer tarandus**

COMMON NAMES: Caribou

**Order Carnivora****Family Canidae****†Canis latrans**

COMMON NAMES: Coyote

INATURALIST OBSERVATIONS: [14877](#)**Canis lupus**

COMMON NAMES: Gray wolf

**Vulpes vulpes**

COMMON NAMES: Red fox

**Family Felidae****†Felis catus**

COMMON NAMES: Domestic cat

DISTRIBUTION AND TRENDS: In December 2016 a domestic cat was trapped on the Refuge in the Nikiski area. Another domestic cat had been observed by Todd Eskelin in the summer of 2016 in the vicinity of the Kenai National Wildlife Refuge headquarters on Ski Hill Road.

**Lynx lynx**

COMMON NAMES: Lynx

**Family Mustelidae****Gulo gulo**

COMMON NAMES: Wolverine

**Lontra canadensis**

COMMON NAMES: Northern river otter

**Martes americana**

COMMON NAMES: American marten

**Mustela erminea**

COMMON NAMES: Ermine

**Neovison vison**

COMMON NAMES: American mink

**Family Phocidae****Phoca vitulina**

COMMON NAMES: Harbor seal

**Family Ursidae****Ursus americanus**

COMMON NAMES: Black bear

INATURALIST OBSERVATIONS: [463969](#)**Ursus arctos**INATURALIST OBSERVATIONS: [113374](#), [113420](#), [463980](#)**Order Cetacea****Family Monodontidae****Delphinapterus leucas**

COMMON NAMES: Beluga

**Order Chiroptera****Family Vespertilionidae****Myotis lucifugus**

COMMON NAMES: Little brown myotis

**Order Lagomorpha****Family Leporidae****Lepus americanus**

COMMON NAMES: Snowshoe hare

INATURALIST OBSERVATIONS: [9965](#), [115174](#)**†Oryctolagus cuniculus**

COMMON NAMES: European rabbit

INATURALIST OBSERVATIONS: [3967164](#)**Order Primates****Family Hominidae****Homo sapiens**

COMMON NAMES: Human

**Order Rodentia****Family Castoridae****Castor canadensis**

COMMON NAMES: American beaver

INATURALIST OBSERVATIONS: [2318742](#)**Family Erethizontidae****Erethizon dorsatum**

COMMON NAMES: Common porcupine

INATURALIST OBSERVATIONS: [14374](#), [2097732](#)**Family Muridae****Clethrionomys rutilus**

COMMON NAMES: Northern red-backed vole

**Microtus miurus**

COMMON NAMES: Singing vole

**Microtus oeconomus**

COMMON NAMES: Tundra vole

**Ondatra zibethicus**

COMMON NAMES: Muskrat

**Synaptomys borealis**

COMMON NAMES: Northern bog lemming

**Family Sciuridae****Marmota broweri**

COMMON NAMES: Alaska marmot

**Tamiasciurus hudsonicus**

COMMON NAMES: Red squirrel

INATURALIST OBSERVATIONS: [14907](#), [117216](#), [1306486](#)**Order Soricomorpha****Family Soricidae****Sorex cinereus**

COMMON NAMES: Common shrew

**Sorex hoyi**

COMMON NAMES: Pygmy shrew

**Sorex monticolus**

COMMON NAMES: Montane shrew

**Invertebrates****Eucnecosum brachypterum**ARCTOS RECORDS: [UAM:Ento:253710](#)**Phylum Annelida****Class Hirudinea****Order Arhynchobdellida****Family Erpobdellidae****Erpobdella punctata****Family Haemopidae****Haemopsis lateromaculata**

COMMON NAMES: A horse leach

**Order Rhynchobdellida****Family Glossiphoniidae****Glossiphonia complanata****Helobdella stagnalis****Placobdella kwetlumye****Theromyzon sp.****Class Oligochaeta****Order Enchytraeida****Family Enchytraeidae****Mesenchytraeus solifugus**

COMMON NAMES: Ice worm

**Order Lumbriculida****Family Lumbriculidae****Lumbriculus sp. bold:aag4731**BOLD RECORDS: [MOBIL1270-16](#)**Lumbriculus sp. bold:ada9314**BOLD RECORDS: [MOBIL1237-16](#)**Order Opisthophora****Family Lumbricidae****†Dendrobaena octaedra**

COMMON NAMES: Octagonal-tailed worm

ARCTOS RECORDS: [KNWR:Ento:6764](#), [KNWR:Ento:7045](#), [KNWR:Ento:7046](#), [KNWR:Ento:7047](#), [KNWR:Ento:7049](#), [KNWR:Ento:7050](#), [KNWR:Ento:7052](#), [KNWR:Ento:7053](#), [KNWR:Ento:7054](#), [KNWR:Ento:7055](#), [KNWR:Ento:7056](#), [KNWR:Ento:7057](#), [KNWR:Ento:7058](#), [KNWR:Ento:7059](#), [KNWR:Ento:7065](#), [KNWR:Ento:7066](#), [KNWR:Ento:7067](#), [KNWR:Ento:7068](#), [KNWR:Ento:7069](#), [KNWR:Ento:7070](#), [KNWR:Ento:7071](#), [KNWR:Ento:7072](#), [KNWR:Ento:7074](#), [KNWR:Ento:7076](#), [KNWR:Ento:7077](#), [KNWR:Ento:7078](#), [KNWR:Ento:7079](#), [KNWR:Ento:7080](#), [KNWR:Ento:7081](#)**†Dendrodrilus rubidus**ARCTOS RECORDS: [KNWR:Ento:7051](#), [KNWR:Ento:7100](#)**†Lumbricus rubellus**

COMMON NAMES: Red marsh worm

ARCTOS RECORDS: [KNWR:Ento:6755](#)**†Lumbricus terrestris**

COMMON NAMES: Nightcrawler

ARCTOS RECORDS: [KNWR:Ento:7060](#), [KNWR:Ento:7063](#)**Phylum Arthropoda****Class Arachnida****Order Araneae****Family Agelenidae****Agelenopsis utahana**

COMMON NAMES: A funnel weaver

ARCTOS RECORDS: [KNWR:Ento:6663](#)**Family Araneidae****Araneus corticarius**ARCTOS RECORDS: [KNWR:Ento:10328](#)**Araneus marmoreus**

COMMON NAMES: Marbled orbweaver

ARCTOS RECORDS: [KNWR:Ento:6524](#)**Araneus nordmanni**ARCTOS RECORDS: [KNWR:Ento:7032](#)**Araniella displicata**

COMMON NAMES: Sixspotted orbweaver

ARCTOS RECORDS: [KNWR:Ento:4753](#), [KNWR:Ento:6431](#), [KNWR:Ento:6545](#) INATURALIST OBSERVATIONS: [1454197](#)**Cyclosa conica**ARCTOS RECORDS: [KNWR:Ento:6413](#), [KNWR:Ento:6420](#), [KNWR:Ento:6497](#), [KNWR:Ento:6523](#), [KNWR:Ento:6553](#), [KNWR:Ento:6565](#), [KNWR:Ento:6643](#), [KNWR:Ento:6650](#)**Hypsosinga pygmaea**

COMMON NAMES: An orb spider

ARCTOS RECORDS: [KNWR:Ento:6648](#)**Family Dictynidae****Dictyna alaskae**

COMMON NAMES: A meshweaver spider

ARCTOS RECORDS: [KNWR:Ento:5091](#), [KNWR:Ento:6448](#), [KNWR:Ento:6471](#), [KNWR:Ento:6483](#), [KNWR:Ento:6521](#), [KNWR:Ento:6536](#), [KNWR:Ento:6540](#), [KNWR:Ento:6546](#), [KNWR:Ento:6549](#), [KNWR:Ento:6560](#), [KNWR:Ento:6573](#), [KNWR:Ento:6590](#), [KNWR:Ento:6596](#), [KNWR:Ento:6612](#), [KNWR:Ento:6837](#), [UAM:Ento:171025](#), [UAM:Ento:171029](#), [UAM:Ento:296256](#), [UAM:Ento:296257](#), [UAM:Ento:296258](#), [UAM:Ento:296260](#), [UAM:Ento:296261](#), [UAM:Ento:296262](#), [UAM:Ento:296265](#), [UAM:Ento:296266](#), [UAM:Ento:296267](#), [UAM:Ento:301763](#), [UAM:Ento:309403](#)**Dictyna arundinacea**

COMMON NAMES: A meshweaver spider

ARCTOS RECORDS: [KNWR:Ento:6454](#), [KNWR:Ento:6578](#), [KNWR:Ento:6609](#), [KNWR:Ento:6838](#), [UAM:Ento:296259](#), [UAM:Ento:296263](#), [UAM:Ento:296264](#), [UAM:Ento:296268](#)**Dictyna major**

COMMON NAMES: A meshweaver spider

ARCTOS RECORDS: [KNWR:Ento:6453](#)**Emblyna annulipes**

COMMON NAMES: A meshweaver spider

ARCTOS RECORDS: [KNWR:Ento:6468](#), [KNWR:Ento:6472](#), [KNWR:Ento:6582](#), [KNWR:Ento:6601](#), [KNWR:Ento:6638](#), [KNWR:Ento:6641](#), [KNWR:Ento:6644](#), [UAM:Ento:301757](#), [UAM:Ento:301762](#), [UAM:Ento:313703](#), [UAM:Ento:313704](#), [UAM:Ento:313705](#), [UAM:Ento:313706](#), [UAM:Ento:313716](#)

**Emblyna chitina**ARCTOS RECORDS: [KNWR:Ento:6627](#), [UAM:Ento:313707](#)**Emblyna manitoba**ARCTOS RECORDS: [KNWR:Ento:2090](#), [UAM:Ento:313708](#), [UAM:Ento:313714](#), [UAM:Ento:313715](#)**Family Linyphiidae****Baryphyma longitarsum**

COMMON NAMES: A dwarf sheetweb weaver

ARCTOS RECORDS: [KNWR:Ento:6464](#)**Baryphyma trifrons**

COMMON NAMES: A dwarf sheetweb weaver

ARCTOS RECORDS: [KNWR:Ento:2032](#), [KNWR:Ento:4559](#), [KNWR:Ento:6505](#), [KNWR:Ento:6514](#), [UAM:Ento:301758](#), [UAM:Ento:301764](#)**Ceraticelus atriceps**

COMMON NAMES: A dwarf sheet-web spider

ARCTOS RECORDS: [KNWR:Ento:2319](#), [KNWR:Ento:2510](#), [KNWR:Ento:4163](#), [KNWR:Ento:6425](#), [KNWR:Ento:6451](#), [KNWR:Ento:6469](#), [KNWR:Ento:6481](#), [KNWR:Ento:6503](#), [KNWR:Ento:6519](#), [KNWR:Ento:6526](#), [KNWR:Ento:6552](#), [KNWR:Ento:6558](#), [KNWR:Ento:6569](#), [KNWR:Ento:6572](#), [KNWR:Ento:6586](#), [KNWR:Ento:6605](#), [KNWR:Ento:6616](#), [KNWR:Ento:6640](#), [KNWR:Ento:6645](#), [KNWR:Ento:6658](#)**Ceraticelus silus**ARCTOS RECORDS: [KNWR:Ento:4182](#), [KNWR:Ento:4535](#), [KNWR:Ento:5645](#), [KNWR:Ento:6452](#), [KNWR:Ento:6465](#), [KNWR:Ento:6489](#), [KNWR:Ento:6570](#), [KNWR:Ento:6577](#), [KNWR:Ento:6589](#), [KNWR:Ento:6597](#), [KNWR:Ento:6621](#), [KNWR:Ento:6634](#), [KNWR:Ento:6655](#), [KNWR:Ento:6659](#)**Ceratinella ornatula**ARCTOS RECORDS: [KNWR:Ento:6473](#), [UAM:Ento:309419](#)**Dismodicus alticeps**

COMMON NAMES: A dwarf sheetweb weaver

ARCTOS RECORDS: [KNWR:Ento:6482](#), [KNWR:Ento:6671](#), [KNWR:Ento:6672](#)**Dismodicus modicus**

COMMON NAMES: A dwarf sheetweb spider

ARCTOS RECORDS: [KNWR:Ento:6433](#), [KNWR:Ento:6537](#), [KNWR:Ento:6559](#), [KNWR:Ento:6594](#), [KNWR:Ento:6604](#), [KNWR:Ento:6620](#), [KNWR:Ento:6765](#), [UAM:Ento:301761](#), [UAM:Ento:301765](#), [UAM:Ento:301766](#)**Erigone tirolensis**

COMMON NAMES: A dwarf sheetweb spider

ARCTOS RECORDS: [KNWR:Ento:6743](#), [UAM:Ento:301756](#)**Estrandia grandaeva**

COMMON NAMES: A sheet-web spider

ARCTOS RECORDS: [KNWR:Ento:2164](#), [KNWR:Ento:3804](#), [KNWR:Ento:4716](#), [KNWR:Ento:6417](#), [KNWR:Ento:6419](#), [KNWR:Ento:6426](#), [KNWR:Ento:6428](#), [KNWR:Ento:6432](#), [KNWR:Ento:6438](#), [KNWR:Ento:6439](#), [KNWR:Ento:6442](#), [KNWR:Ento:6443](#), [KNWR:Ento:6446](#), [KNWR:Ento:6462](#), [KNWR:Ento:6476](#), [KNWR:Ento:6479](#), [KNWR:Ento:6484](#), [KNWR:Ento:6486](#), [KNWR:Ento:6491](#), [KNWR:Ento:6492](#), [KNWR:Ento:6494](#), [KNWR:Ento:6502](#), [KNWR:Ento:6507](#), [KNWR:Ento:6508](#), [KNWR:Ento:6515](#), [KNWR:Ento:6518](#), [KNWR:Ento:6525](#), [KNWR:Ento:6529](#), [KNWR:Ento:6532](#), [KNWR:Ento:6543](#), [KNWR:Ento:6547](#), [KNWR:Ento:6556](#), [KNWR:Ento:6562](#), [KNWR:Ento:6574](#), [KNWR:Ento:6592](#), [KNWR:Ento:6593](#), [KNWR:Ento:6595](#), [KNWR:Ento:6611](#), [KNWR:Ento:6625](#), [KNWR:Ento:6639](#), [KNWR:Ento:6653](#)**Grammonota vittata**

COMMON NAMES: A dwarf sheetweb spider

ARCTOS RECORDS: [KNWR:Ento:6584](#)**Helophora reducta****Hypselistes florens**

COMMON NAMES: A dwarf sheetweb weaver

ARCTOS RECORDS: [KNWR:Ento:4696](#), [KNWR:Ento:4789](#), [KNWR:Ento:6488](#), [KNWR:Ento:6496](#), [KNWR:Ento:6541](#), [KNWR:Ento:6568](#), [KNWR:Ento:6613](#), [KNWR:Ento:6619](#)**Kaestneria anceps****Lepthyphantes alpinus**

COMMON NAMES: A sheet-web spider

ARCTOS RECORDS: [KNWR:Ento:6564](#), [KNWR:Ento:6661](#)**Megalepthyphantes nebulosus**

COMMON NAMES: A sheet-web spider

**Mughiphantes marusiki**ARCTOS RECORDS: [KNWR:Ento:6455](#), [KNWR:Ento:6531](#)**Neriere radiata**

COMMON NAMES: Filmy dome spider

ARCTOS RECORDS: [KNWR:Ento:6440](#), [KNWR:Ento:6441](#), [KNWR:Ento:6463](#), [KNWR:Ento:6467](#), [KNWR:Ento:6495](#), [KNWR:Ento:6509](#), [KNWR:Ento:6630](#), [KNWR:Ento:6632](#), [KNWR:Ento:6652](#), [KNWR:Ento:6656](#)**Pityohyphantes subarcticus**ARCTOS RECORDS: [KNWR:Ento:6458](#), [KNWR:Ento:6511](#)**Pocadicnemis pumila**ARCTOS RECORDS: [KNWR:Ento:6506](#), [UAM:Ento:301759](#)**Tiso aestivus****Walckenaeria directa**

COMMON NAMES: A dwarf sheetweb spider

ARCTOS RECORDS: [KNWR:Ento:6811](#)**Family Lycosidae****Alopecosa aculeata**

COMMON NAMES: A wolf spider

ARCTOS RECORDS: [KNWR:Ento:10342](#)**Pardosa albomaculata**

COMMON NAMES: A wolf spider

ARCTOS RECORDS: [KNWR:Ento:6742](#), [UAM:Ento:94514](#)**Pardosa diuturna**

COMMON NAMES: A wolf spider

**Pardosa groenlandica**

COMMON NAMES: A wolf spider

ARCTOS RECORDS: [KNWR:Ento:10479](#)**Pardosa xerampelina**BOLD RECORDS: [MOBIL1226-16](#)**Trochosa terricola**

COMMON NAMES: A wolf spider

ARCTOS RECORDS: [KNWR:Ento:7001](#)**Family Philodromidae****Philodromus rufus**

COMMON NAMES: A crab spider

**Tibellus maritimus**ARCTOS RECORDS: [KNWR:Ento:3386](#)**Family Pisauridae****Dolomedes triton****Family Salticidae****Evarcha proszynskii**

COMMON NAMES: A jumping spider

**Family Tetragnathidae****Tetragnatha extensa**

COMMON NAMES: A long-jawed orb weaver

ARCTOS RECORDS: [KNWR:Ento:3329](#), [KNWR:Ento:6487](#), [KNWR:Ento:6579](#)**Tetragnatha laboriosa**ARCTOS RECORDS: [KNWR:Ento:3382](#), [KNWR:Ento:6456](#), [UAM:Ento:95516](#)**Family Theridiidae****Enoplognatha intrepida**

COMMON NAMES: A cobweb spider

**Robertus crosbyi**

COMMON NAMES: A cobweb spider

ARCTOS RECORDS: [KNWR:Ento:6583](#)**Rugathodes aurantius**

COMMON NAMES: A cobweb spider

ARCTOS RECORDS: [KNWR:Ento:3491](#), [KNWR:Ento:6423](#), [KNWR:Ento:6424](#), [KNWR:Ento:6435](#), [KNWR:Ento:6480](#), [KNWR:Ento:6490](#), [KNWR:Ento:6516](#), [KNWR:Ento:6551](#), [KNWR:Ento:6557](#), [KNWR:Ento:6599](#), [KNWR:Ento:6603](#), [KNWR:Ento:6606](#), [KNWR:Ento:6614](#), [KNWR:Ento:6617](#), [KNWR:Ento:6623](#), [KNWR:Ento:6626](#), [KNWR:Ento:6642](#), [KNWR:Ento:6660](#)**Steatoda borealis**

COMMON NAMES: A cobweb spider

ARCTOS RECORDS: [KNWR:Ento:7131](#)**Theridion montanum**

COMMON NAMES: A cobweb spider

ARCTOS RECORDS: [KNWR:Ento:3789](#), [KNWR:Ento:6421](#), [KNWR:Ento:6427](#), [KNWR:Ento:6429](#), [KNWR:Ento:6437](#), [KNWR:Ento:6444](#), [KNWR:Ento:6447](#), [KNWR:Ento:6450](#), [KNWR:Ento:6459](#), [KNWR:Ento:6475](#), [KNWR:Ento:6477](#), [KNWR:Ento:6493](#), [KNWR:Ento:6498](#), [KNWR:Ento:6499](#), [KNWR:Ento:6501](#), [KNWR:Ento:6512](#), [KNWR:Ento:6533](#), [KNWR:Ento:6550](#), [KNWR:Ento:6554](#), [KNWR:Ento:6563](#), [KNWR:Ento:6571](#), [KNWR:Ento:6610](#), [KNWR:Ento:6622](#), [KNWR:Ento:6629](#), [KNWR:Ento:6633](#), [KNWR:Ento:6636](#), [KNWR:Ento:6654](#), [KNWR:Ento:6657](#)**Theridion ohlerti**

COMMON NAMES: A cobweb spider

ARCTOS RECORDS: [KNWR:Ento:3943](#), [KNWR:Ento:6461](#), [KNWR:Ento:6474](#), [KNWR:Ento:6510](#), [KNWR:Ento:6534](#), [KNWR:Ento:6538](#), [KNWR:Ento:6548](#), [KNWR:Ento:6561](#), [KNWR:Ento:6567](#), [KNWR:Ento:6575](#), [KNWR:Ento:6591](#), [KNWR:Ento:6618](#), [KNWR:Ento:6631](#), [KNWR:Ento:6637](#)**Theridion pictum**

COMMON NAMES: A cobweb spider

ARCTOS RECORDS: [KNWR:Ento:6466](#), [KNWR:Ento:6485](#), [KNWR:Ento:6528](#), [KNWR:Ento:6566](#), [KNWR:Ento:6581](#), [KNWR:Ento:6628](#)**Family Thomisidae****Bassaniana utahensis**ARCTOS RECORDS: [KNWR:Ento:1723](#)**Misumena vatia**ARCTOS RECORDS: [KNWR:Ento:3364](#)**Order Ixodida****Family Ixodidae****Ixodes angustus**

COMMON NAMES: Vole tick

**Order Opiliones****Family Phalangiidae****†Phalangium opilio**ARCTOS RECORDS: [KNWR:Ento:10649](#), [KNWR:Ento:10788](#)**Family Sclerosomatidae****Leptobunus borealis**ARCTOS RECORDS: [KNWR:Ento:10647](#)**Mitopus morio**ARCTOS RECORDS: [KNWR:Ento:6799](#), [UAM:Ento:94515](#)**Nelima paessleri****Order Sarcoptiformes****Family Eremaeidae****Eremaeus translamellatus**

COMMON NAMES: An oribatid mite

**Family Nothridae****Nothrus borussicus****Order Trombidiformes****Family Erythraeidae****Erythraeus tonsus****Class Branchiopoda****Order Diplostraca****Family Chydoridae****Eurycercus longirostris****Class Chilopoda****Order Geophilomorpha****Family Linotaeniidae****Strigamia chionophila**

COMMON NAMES: A soil centipede

ARCTOS RECORDS: [KNWR:Ento:7804](#)**Order Lithobiomorpha****Family Lithobiidae****Lithobius stejnegeri**ARCTOS RECORDS: [UAMObs:Ento:108395](#)**Class Collembola****Order Collembola****Family Bourletiellidae****Pseudobourletiella spinata****Family Entomobryidae****Entomobrya nivalis**ARCTOS RECORDS: [KNWR:Ento:7625](#)**Family Isotomidae****Weberacantha octa**



COMMON NAMES: A springtail

**Family Neelidae**

**Megalothorax minimus**

COMMON NAMES: A minute springtail

**Family Onychiuridae**

**Hymenaphorura nearctica**

**Class Insecta**

**Order Archaeognatha**

**Family Machilidae**

**Petridiobius arcticus**

ARCTOS RECORDS: [KNWR:Ento:8946](#)

**Order Coleoptera**

**Family Buprestidae**

**Melanophila acuminata**

**Family Cantharidae**

**Dichelotarsus tetragonoderus**

COMMON NAMES: A soldier beetle

**Family Carabidae**

**Amara alpina**

ARCTOS RECORDS: [UAM:Ento:111995](#)

**Amara obesa**

ARCTOS RECORDS: [UAM:Ento:111998](#)

**Blethisa quadricollis**

ARCTOS RECORDS: [UAM:Ento:144696](#)

**Calathus advena**

ARCTOS RECORDS: [KNWR:Ento:1427](#), [KNWR:Ento:1428](#), [UAM:Ento:111499](#), [UAM:Ento:111888](#), [UAM:Ento:111889](#), [UAM:Ento:111890](#), [UAM:Ento:111891](#), [UAM:Ento:111892](#), [UAM:Ento:111893](#), [UAM:Ento:111894](#), [UAM:Ento:111895](#), [UAM:Ento:111896](#), [UAM:Ento:111897](#), [UAM:Ento:111898](#), [UAM:Ento:111899](#), [UAM:Ento:111900](#), [UAM:Ento:111901](#), [UAM:Ento:111902](#), [UAM:Ento:111903](#), [UAM:Ento:111904](#), [UAM:Ento:111905](#), [UAM:Ento:111906](#), [UAM:Ento:111907](#), [UAM:Ento:111908](#), [UAM:Ento:111909](#), [UAM:Ento:111910](#), [UAM:Ento:111911](#), [UAM:Ento:111912](#), [UAM:Ento:111913](#), [UAM:Ento:111914](#), [UAM:Ento:111915](#), [UAM:Ento:111916](#), [UAM:Ento:111917](#), [UAM:Ento:111918](#), [UAM:Ento:111919](#), [UAM:Ento:111920](#), [UAM:Ento:111921](#), [UAM:Ento:111922](#), [UAM:Ento:111923](#), [UAM:Ento:111924](#), [UAM:Ento:111925](#), [UAM:Ento:111926](#), [UAM:Ento:111927](#), [UAM:Ento:111928](#), [UAM:Ento:111929](#), [UAM:Ento:111930](#), [UAM:Ento:111979](#)

**Calathus ingratus**

ARCTOS RECORDS: [KNWR:Ento:6802](#), [UAM:Ento:111500](#), [UAM:Ento:111643](#), [UAM:Ento:111977](#), [UAM:Ento:111978](#), [UAM:Ento:113325](#), [UAM:Ento:256936](#)

**Carabus chamissonis**

ARCTOS RECORDS: [UAM:Ento:111884](#)

**Carabus taedatus**

ARCTOS RECORDS: [KNWR:Ento:1425](#)

**Notiophilus aquaticus**

COMMON NAMES: A ground beetle

ARCTOS RECORDS: [UAM:Ento:254813](#)

**Patrobus foveocollis**

ARCTOS RECORDS: [KNWR:Ento:6800](#)

**Platynus decentis**

ARCTOS RECORDS: [KNWR:Ento:6801](#)

**Pterostichus adstrictus**

ARCTOS RECORDS: [KNWR:Ento:1426](#), [KNWR:Ento:6803](#), [UAM:Ento:112033](#), [UAM:Ento:113355](#)

**Pterostichus brevicornis**

COMMON NAMES: A ground beetle

ARCTOS RECORDS: [KNWR:Ento:1231](#), [KNWR:Ento:1232](#), [KNWR:Ento:1406](#)

**Pterostichus riparius**

COMMON NAMES: A ground beetle

ARCTOS RECORDS: [KNWR:Ento:1405](#)

**Scaphinotus marginatus**

ARCTOS RECORDS: [UAM:Ento:111644](#), [UAM:Ento:111749](#), [UAM:Ento:111750](#), [UAM:Ento:111751](#), [UAM:Ento:111752](#), [UAM:Ento:111753](#), [UAM:Ento:111754](#), [UAM:Ento:111755](#), [UAM:Ento:111756](#), [UAM:Ento:111757](#), [UAM:Ento:111758](#), [UAM:Ento:111760](#), [UAM:Ento:111761](#), [UAM:Ento:111762](#), [UAM:Ento:111763](#), [UAM:Ento:111764](#), [UAM:Ento:111765](#), [UAM:Ento:111766](#), [UAM:Ento:111767](#), [UAM:Ento:111768](#), [UAM:Ento:111769](#), [UAM:Ento:111770](#), [UAM:Ento:111771](#), [UAM:Ento:111772](#), [UAM:Ento:111774](#), [UAM:Ento:111775](#), [UAM:Ento:111776](#), [UAM:Ento:111777](#), [UAM:Ento:111778](#), [UAM:Ento:111779](#), [UAM:Ento:111781](#), [UAM:Ento:111782](#), [UAM:Ento:111783](#), [UAM:Ento:111785](#), [UAM:Ento:111786](#), [UAM:Ento:111787](#), [UAM:Ento:111788](#), [UAM:Ento:111789](#), [UAM:Ento:111790](#), [UAM:Ento:111791](#), [UAM:Ento:111793](#), [UAM:Ento:111794](#), [UAM:Ento:111795](#), [UAM:Ento:111796](#), [UAM:Ento:111797](#), [UAM:Ento:111798](#), [UAM:Ento:111799](#), [UAM:Ento:111801](#), [UAM:Ento:111802](#), [UAM:Ento:111803](#), [UAM:Ento:111804](#), [UAM:Ento:111805](#), [UAM:Ento:111806](#), [UAM:Ento:111807](#), [UAM:Ento:111808](#), [UAM:Ento:111809](#), [UAM:Ento:111810](#), [UAM:Ento:111811](#), [UAM:Ento:111812](#), [UAM:Ento:111813](#), [UAM:Ento:111814](#), [UAM:Ento:111815](#), [UAM:Ento:111816](#), [UAM:Ento:111817](#), [UAM:Ento:111818](#), [UAM:Ento:111819](#), [UAM:Ento:111820](#), [UAM:Ento:111821](#), [UAM:Ento:111822](#), [UAM:Ento:111823](#), [UAM:Ento:111824](#), [UAM:Ento:111825](#), [UAM:Ento:111826](#), [UAM:Ento:111827](#), [UAM:Ento:111828](#), [UAM:Ento:111829](#), [UAM:Ento:111830](#), [UAM:Ento:111832](#), [UAM:Ento:111833](#), [UAM:Ento:111835](#), [UAM:Ento:111836](#), [UAM:Ento:111837](#), [UAM:Ento:111838](#), [UAM:Ento:111839](#), [UAM:Ento:111840](#), [UAM:Ento:111841](#), [UAM:Ento:111842](#), [UAM:Ento:111843](#), [UAM:Ento:111844](#), [UAM:Ento:111845](#), [UAM:Ento:111846](#), [UAM:Ento:111847](#), [UAM:Ento:111848](#), [UAM:Ento:111849](#), [UAM:Ento:111850](#), [UAM:Ento:111851](#), [UAM:Ento:111852](#), [UAM:Ento:111853](#), [UAM:Ento:111854](#), [UAM:Ento:111855](#), [UAM:Ento:111856](#), [UAM:Ento:111857](#), [UAM:Ento:111858](#), [UAM:Ento:111859](#), [UAM:Ento:111860](#), [UAM:Ento:111861](#), [UAM:Ento:111862](#), [UAM:Ento:111863](#), [UAM:Ento:111864](#), [UAM:Ento:111865](#), [UAM:Ento:111866](#), [UAM:Ento:111867](#), [UAM:Ento:111868](#), [UAM:Ento:111869](#), [UAM:Ento:111870](#), [UAM:Ento:111871](#), [UAM:Ento:111872](#), [UAM:Ento:111873](#), [UAM:Ento:111874](#), [UAM:Ento:111875](#), [UAM:Ento:111877](#), [UAM:Ento:111878](#), [UAM:Ento:111879](#), [UAM:Ento:111880](#), [UAM:Ento:111881](#)

**Trechus chalybeus**

ARCTOS RECORDS: [UAM:Ento:256935](#), [UAM:Ento:256937](#)

**Family Cerambycidae**

**Judolia montivagans**

ARCTOS RECORDS: [UAM:Ento:112187](#), [UAM:Ento:112188](#), [UAM:Ento:112194](#)

**Monochamus scutellatus**

COMMON NAMES: White-spotted pine sawyer

**Pachyta lamed**



**Tetropium parvulum****Xylotrechus undulatus**

COMMON NAMES: Spruce zebra beetle

**Family Chrysomelidae****Bromius obscurus**ARCTOS RECORDS: [KNWR:Ento:6798](#)**Galerucella nymphaeae**

COMMON NAMES: Waterlily leaf beetle

ARCTOS RECORDS: [KNWR:Ento:1421](#), [UAM:Ento:110848](#), [UAM:Ento:110849](#), [UAM:Ento:110850](#), [UAM:Ento:110851](#), [UAM:Ento:292297](#), [UAM:Ento:292298](#), [UAM:Ento:292299](#), [UAM:Ento:292300](#), [UAM:Ento:292301](#), [UAM:Ento:292302](#)**Phratora hudsoniana****Plateumaris flavipes**

COMMON NAMES: A leaf beetle

ARCTOS RECORDS: [KNWR:Ento:5342](#)**Plateumaris germari**

COMMON NAMES: A leaf beetle

**Family Coccinellidae****Anisosticta borealis**ARCTOS RECORDS: [UAM:Ento:13937](#)**Calvia quatuordecimguttata**ARCTOS RECORDS: [KNWR:Ento:4919](#), [KNWR:Ento:8348](#), [UAM:Ento:110847](#)**Ceratomegilla ulkei**ARCTOS RECORDS: [UAM:Ento:79268](#)**Coccinella transversoguttata**ARCTOS RECORDS: [UAM:Ento:111537](#)**Coccinella trifasciata**

COMMON NAMES: Ladybird beetle

ARCTOS RECORDS: [UAM:Ento:113558](#), [KNWR:Ento:4452](#)**Hippodamia falcigera**

COMMON NAMES: Waterside ladybug

ARCTOS RECORDS: [UAM:Ento:112199](#), [UAM:Ento:112200](#)**Hippodamia tredecimpunctata**ARCTOS RECORDS: [UAM:Ento:111510](#)**Family Cryptophagidae****Atomaria fimetarii****Family Cucujidae****Cucujus clavipes**

COMMON NAMES: Red flat bark beetle

**Family Curculionidae****Cryphalus ruficollis****Dendroctonus rufipennis**

COMMON NAMES: Spruce beetle

**Dorytomus leucophyllus****Dorytomus luridus**

COMMON NAMES: A weevil

ARCTOS RECORDS: [KNWR:Ento:4523](#), [KNWR:Ento:4524](#), [KNWR:Ento:4525](#)**Dorytomus mannerheimi**

COMMON NAMES: A weevil

ARCTOS RECORDS: [KNWR:Ento:4630](#)**Dryocoetes affaber****Dryocoetes autographus****Dryocoetes caryi**†**Glocianus punctiger****Ips borealis****Ips perturbatus****Isochnus flagellum**ARCTOS RECORDS: [KNWR:Ento:4077](#), [KNWR:Ento:5526](#)**Lepyrus gemellus**ARCTOS RECORDS: [KNWR:Ento:1430](#)†**Otiorhynchus ovatus**

COMMON NAMES: Strawberry root weevil

ARCTOS RECORDS: [KNWR:Ento:10797](#)**Phloeotribus piceae****Pityophthorus nitidulus****Polygraphus rufipennis**ARCTOS RECORDS: [KNWR:Ento:10400](#), [KNWR:Ento:10401](#), [KNWR:Ento:10402](#), [KNWR:Ento:10404](#), [KNWR:Ento:10405](#), [KNWR:Ento:10406](#), [KNWR:Ento:10408](#), [KNWR:Ento:10409](#), [KNWR:Ento:10410](#), [UAM:Ento:313752](#), [UAM:Ento:313754](#), [UAM:Ento:313755](#), [UAM:Ento:313757](#), [UAM:Ento:313758](#), [UAM:Ento:313759](#), [UAM:Ento:313760](#), [UAM:Ento:313761](#), [UAM:Ento:313762](#)**Scierus pubescens****Sthereus quadrituberculatus**ARCTOS RECORDS: [KNWR:Ento:5886](#)**Trichalophus alternatus**ARCTOS RECORDS: [KNWR:Ento:10396](#), [KNWR:Ento:1429](#), [KNWR:Ento:7952](#)**Trypodendron lineatum**

COMMON NAMES: Striped ambrosia beetle

**Trypodendron retusum****Trypodendron rufitarsus****Xylechinus montanus****Family Dermestidae**†**Dermestes lardarius**

COMMON NAMES: Larder beetle

**Megatoma cylindrica****Megatoma perversa**ARCTOS RECORDS: [UAM:Ento:311321](#)**Family Dytiscidae****Acilius semisulcatus****Agabus anthracinus****Agabus bifarius****Agabus confinis****Agabus inscriptus****Agabus semipunctatus****Agabus tristis****Dytiscus circumcinctus****Dytiscus dauricus****Dytiscus harrisii**

**Hydroporus badiellus**  
**Hydroporus dentellus**  
**Hydroporus lapponum**  
**Hydroporus morio**  
**Hydroporus nigellus**  
**Hydroporus notabilis**  
**Hydroporus obscurus**  
**Hydroporus puberulus**  
**Hydroporus rectus**  
**Hydroporus striola**  
**Hydroporus tristis**  
**Hygrotus compar**  
**Hygrotus impressopunctatus**  
**Hygrotus novemlineatus**  
**Hygrotus picatus**  
**Hygrotus turbidus**  
**Ilybius angustior**  
**Ilybius discedens**  
**Ilybius erichsoni**  
**Ilybius hypomelas**  
**Ilybius picipes**  
**Liodessus obscurellus**  
**Oreodytes dauricus**  
**Oreodytes laevis**

**Family Elateridae**

**Athous rufiventris**

ARCTOS RECORDS: [KNWR:Ento:3963](#)

**Ctenicera kendalli**

ARCTOS RECORDS: [UAM:Ento:112038](#)

**Ctenicera ochreipennis**

**Ctenicera resplendens**

SYNONYMS: *Nitidolimonius resplendens*

**Ctenicera watsoni**

**Hypnoidus bicolor**

**Sericus incongruus**

ARCTOS RECORDS: [KNWR:Ento:3767](#), [UAM:Ento:111045](#), [UAM:Ento:111539](#)

**Family Eucnemidae**

**Epiphanis cornutus**

**Family Gyrinidae**

**Gyrinus maculiventris**

**Gyrinus minutus**

**Gyrinus opacus**

**Gyrinus picipes**

**Family Laemophloeidae**

**Leptophloeus sp.**

ARCTOS RECORDS: [KNWR:Ento:7945](#)

**Family Lampyridae**

**Ellychnia sp.**

TAXONOMIC NOTES: Alaskan specimens of *Ellychnia* have been assigned to BOLD BIN BOLD:AAF4976<sup>1</sup>, a BIN containing multiple named species. Specimens of *Ellychnia* collected from the Refuge likely belong to this BIN.

ARCTOS RECORDS: [UAM:Ento:110846](#)

**Family Latridiidae**

**Corticaria ferruginea**

ARCTOS RECORDS: [KNWR:Ento:4568](#)

**Corticarina minuta**

ARCTOS RECORDS: [UAM:Ento:111586](#)

**Enicmus mimus**

ARCTOS RECORDS: [KNWR:Ento:7943](#), [KNWR:Ento:7944](#), [UAM:Ento:282612](#)

**Stephostethus armatulus**

ARCTOS RECORDS: [KNWR:Ento:4829](#)

**Family Leiodidae**

**Anisotoma globososa**

**Catops alpinus**

**Catops basilaris**

**Catops egenus**

**Catops luridipennis**

**Leptinillus validus**

ARCTOS RECORDS: [KNWR:Ento:10672](#), [KNWR:Ento:10673](#), [UAM:Ento:311320](#)

**Family Lycidae**

**Dictyopectera aurora**

SYNONYMS: *Eros aurora*

ARCTOS RECORDS: [KNWR:Ento:3465](#)

**Family Melandryidae**

**Xylita laevigata**

**Family Monotomidae**

**Rhizophagus dimidiatus**

**Family Nitidulidae**

**Glischrochilus vittatus**

ARCTOS RECORDS: [KNWR:Ento:7807](#), [UAM:Ento:282615](#)

**Family Ptinidae**

†**Ptinus raptor**

COMMON NAMES: Eastern spider beetle

ARCTOS RECORDS: [KNWR:Ento:10792](#)

**Family Pyrochroidae**

**Dendroides ephemeroideis**

ARCTOS RECORDS: [KNWR:Ento:6804](#)

**Family Pythidae**

<sup>1</sup>[http://bins.boldsystems.org/index.php/Public\\_BarcodeCluster?clusteruri=BOLD:AAF4976](http://bins.boldsystems.org/index.php/Public_BarcodeCluster?clusteruri=BOLD:AAF4976)

**Prionothus monilicornis**

ARCTOS RECORDS: [KNWR:Ento:1708](#) BOLD RECORDS: [MOBIL1241-16](#)

**Family Scarabaeidae****Agoliinus piceatus**

ARCTOS RECORDS: [KNWR:Ento:1750](#), [UAM:Ento:94512](#)

**Aphodius congregatus****Caelius montana**

SYNONYMS: *Aegialia montana*

ARCTOS RECORDS: [UAM:Ento:94513](#)

**Family Scirtidae****Cyphon variabilis**

ARCTOS RECORDS: [UAM:Ento:282600](#)

**Family Scaptiidae****Anaspis rufa**

ARCTOS RECORDS: [KNWR:Ento:6797](#)

**Family Silphidae****Nicrophorus investigator****Nicrophorus vespilloides****Family Silvanidae****Dendrophagus cygnaei**

ARCTOS RECORDS: [UAM:Ento:110488](#), [UAM:Ento:110489](#), [UAM:Ento:113185](#)

**Family Staphylinidae****Acidota quadrata****Olisthaerus megacephalus****Pelecomalium sp.**

ARCTOS RECORDS: [UAM:Ento:282597](#), [UAM:Ento:282598](#), [UAM:Ento:282599](#)

**Quedius plagiatus****Scaphium castanipes****Tachinus quebecensis**

BOLD RECORDS: [MOBIL1589-16](#)

**Family Stenotrachelidae****Stenotrachelus aeneus**

ARCTOS RECORDS: [KNWR:Ento:7709](#)

**Family Tenebrionidae****Upis ceramboides**

ARCTOS RECORDS: [KNWR:Ento:8943](#), [KNWR:Ento:8944](#), [UAM:Ento:112389](#), [UAM:Ento:112400](#)

**Family Trachypachidae****Trachypachus holmbergi****Family Trogossitidae****Peltis fraterna**

SYNONYMS: *Ostoma fraterna*

ARCTOS RECORDS: [UAM:Ento:110477](#), [UAM:Ento:110478](#), [UAM:Ento:110479](#), [UAM:Ento:110480](#), [UAM:Ento:110481](#), [UAM:Ento:110482](#), [UAM:Ento:110483](#), [UAM:Ento:110484](#), [UAM:Ento:110485](#), [UAM:Ento:110486](#), [UAM:Ento:110487](#)

**Peltis septentrionalis**

SYNONYMS: *Ostoma septentrionalis*

ARCTOS RECORDS: [KNWR:Ento:10108](#), [UAM:Ento:111647](#)

**Order Diptera****Family Anisopodidae****Sylvicola fuscatus**

COMMON NAMES: A window gnat

ARCTOS RECORDS: [KNWR:Ento:2045](#), [KNWR:Ento:4167](#), [KNWR:Ento:5055](#), [KNWR:Ento:5511](#)

**Family Anthomyiidae****Botanophila rubrigena**

ARCTOS RECORDS: [KNWR:Ento:2264](#)

**Delia alaba**

ARCTOS RECORDS: [KNWR:Ento:7645](#)

**Delia bucculenta**

ARCTOS RECORDS: [KNWR:Ento:6062](#)

**Delia echinata**

ARCTOS RECORDS: [KNWR:Ento:3633](#)

**Delia extensa**

ARCTOS RECORDS: [KNWR:Ento:10031](#)

**Delia lineariventris**

ARCTOS RECORDS: [KNWR:Ento:2265](#), [KNWR:Ento:3840](#), [KNWR:Ento:3848](#), [KNWR:Ento:3955](#), [KNWR:Ento:4423](#), [KNWR:Ento:4426](#), [KNWR:Ento:4428](#), [KNWR:Ento:4442](#), [KNWR:Ento:4447](#), [KNWR:Ento:4448](#), [KNWR:Ento:4450](#), [KNWR:Ento:4641](#), [KNWR:Ento:4756](#), [KNWR:Ento:4998](#), [KNWR:Ento:4999](#), [KNWR:Ento:5770](#), [KNWR:Ento:5771](#), [KNWR:Ento:7384](#), [KNWR:Ento:7397](#), [KNWR:Ento:7398](#), [KNWR:Ento:7404](#)

**Delia prostriata****Lasiomma atricaudum**

ARCTOS RECORDS: [KNWR:Ento:7285](#)

**Pegomya flavoscutellata**

BOLD RECORDS: [MOBIL1415-16](#)

**Zaphne borealis**

ARCTOS RECORDS: [KNWR:Ento:7272](#)

**Zaphne lineatocollis**

ARCTOS RECORDS: [KNWR:Ento:7240](#)

**Zaphne zetterstedtii****Family Anthomyzidae****Anthomyza #2****Anthomyza #2west bold:aav7621****Anthomyza #4 bold:aal8100****Anthomyza #8b****Anthomyza #9a bold:aav7620****Anthomyza tenuis**

ARCTOS RECORDS: [KNWR:Ento:1816](#), [KNWR:Ento:1818](#), [KNWR:Ento:5638](#)

**Arganthomyza duplex**

ARCTOS RECORDS: [KNWR:Ento:5453](#), [KNWR:Ento:5958](#)

**Family Asteiidae****Leiomyza curvinervis**

COMMON NAMES: An asteiid fly

ARCTOS RECORDS: KNWR:Ento:5232, KNWR:Ento:5234, KNWR:Ento:5449, KNWR:Ento:5452 BOLD RECORDS: DKNWR071-11 GENBANK SEQUENCES: JN582217

### Family Bibionidae

#### *Bibio longipes*

ARCTOS RECORDS: KNWR:Ento:1727, KNWR:Ento:1728, KNWR:Ento:1729, KNWR:Ento:1730, KNWR:Ento:1731, KNWR:Ento:1732, KNWR:Ento:1733, KNWR:Ento:1734

#### *Bibio rufipes*

ARCTOS RECORDS: KNWR:Ento:4414, UAM:Ento:282613

#### *Dilophus femoratus*

ARCTOS RECORDS: KNWR:Ento:1496, KNWR:Ento:1700, KNWR:Ento:1765, KNWR:Ento:1766, KNWR:Ento:1767, KNWR:Ento:1768, KNWR:Ento:1769, KNWR:Ento:1970, KNWR:Ento:1971, KNWR:Ento:1972, KNWR:Ento:1973, KNWR:Ento:1974, KNWR:Ento:1975, KNWR:Ento:1976, KNWR:Ento:2156, KNWR:Ento:2280, KNWR:Ento:2417, KNWR:Ento:2621, KNWR:Ento:2676, KNWR:Ento:2847, KNWR:Ento:2862, KNWR:Ento:2863, KNWR:Ento:2864, KNWR:Ento:2865, KNWR:Ento:2866, KNWR:Ento:2867, KNWR:Ento:2868, KNWR:Ento:2869, KNWR:Ento:2870, KNWR:Ento:2871, KNWR:Ento:2872, KNWR:Ento:2873, KNWR:Ento:2874, KNWR:Ento:3254, KNWR:Ento:3255, KNWR:Ento:3349, KNWR:Ento:3484, KNWR:Ento:3507, KNWR:Ento:3508, KNWR:Ento:3509, KNWR:Ento:3556, KNWR:Ento:3557, KNWR:Ento:3603, KNWR:Ento:3794, KNWR:Ento:3795, KNWR:Ento:4703, KNWR:Ento:4704, KNWR:Ento:4732, KNWR:Ento:4733, KNWR:Ento:5076, KNWR:Ento:5077, KNWR:Ento:5078, KNWR:Ento:5131, KNWR:Ento:5132, KNWR:Ento:5200, KNWR:Ento:5218, KNWR:Ento:5266

#### *Hesperinus brevifrons*

ARCTOS RECORDS: KNWR:Ento:6781, UAM:Ento:137726, UAM:Ento:137747, UAM:Ento:137748, UAM:Ento:137749, UAM:Ento:137750, UAM:Ento:137751, UAM:Ento:137752, UAM:Ento:137753, UAM:Ento:137754, UAM:Ento:137755, UAM:Ento:282610

### Family Bolithophilidae

#### *Bolithophila* sp. bold:aav0668

### Family Calliphoridae

#### *Calliphora vomitoria*

COMMON NAMES: Blue bottle fly

ARCTOS RECORDS: KNWR:Ento:8776

#### *Cynomya cadaverina*

COMMON NAMES: Shiny blue bottle fly

#### †*Pollenia vagabunda*

ARCTOS RECORDS: KNWR:Ento:10689, KNWR:Ento:10691, KNWR:Ento:10692, KNWR:Ento:10693, KNWR:Ento:10694, KNWR:Ento:10695, KNWR:Ento:10696, KNWR:Ento:10697, KNWR:Ento:10698, KNWR:Ento:10699, KNWR:Ento:10700, KNWR:Ento:10703, KNWR:Ento:10704, KNWR:Ento:10705, KNWR:Ento:10706, KNWR:Ento:10707, KNWR:Ento:10708, KNWR:Ento:10709, KNWR:Ento:10710, KNWR:Ento:10711, KNWR:Ento:10712, KNWR:Ento:10713, KNWR:Ento:10714, KNWR:Ento:10715, KNWR:Ento:10716, KNWR:Ento:10717, KNWR:Ento:10718, KNWR:Ento:10719, KNWR:Ento:10720, KNWR:Ento:10721, KNWR:Ento:10722, KNWR:Ento:10727, KNWR:Ento:10732, KNWR:Ento:10734, KNWR:Ento:10736, KNWR:Ento:10737, KNWR:Ento:10746, UAM:Ento:310989, UAM:Ento:310990, UAM:Ento:310991, UAM:Ento:310992, UAM:Ento:310994, UAM:Ento:311313, UAM:Ento:311314, UAM:Ento:311315

#### *Protophormia terraenovae*

COMMON NAMES: Northern blowfly

ARCTOS RECORDS: KNWR:Ento:8863, UAM:Ento:256830

### Family Cecidomyiidae

#### *Rabdophaga rigidae*

BOLD RECORDS: MOBIL1216-16, MOBIL1245-16

#### *Rabdophaga* sp. bold:acz0652

#### *Rabdophaga* sp. bold:ada9342

BOLD RECORDS: MOBIL1215-16, MOBIL1246-16

### Family Chironomidae

#### *Cricotopus annulator*

#### *Cricotopus tremulus*

#### *Eukiefferiella claripennis*

#### *Eukiefferiella coerulescens*

#### *Eukiefferiella ilkeleyensis*

#### *Heterotrissocladius boltoni*

#### *Hydrobaenus fusistylus*

#### *Krenosmittia halvorseni*

#### *Micropsectra nigriperla*

#### *Nanocladius spiniplenus*

#### *Orthocladius appersoni*

#### *Orthocladius curtisetia*

#### *Orthocladius frigidis*

#### *Orthocladius luteipes*

#### *Orthocladius oblidens*

#### *Orthocladius odumbratus*

#### *Orthocladius pedestais*

#### *Orthocladius rivicola*

#### *Orthocladius rivulorum*

#### *Parorthocladius nigrilus*

#### *Polypedilum albicorne*

#### *Psilometriocnemus triannulatus*

#### *Synorthocladius semivirens*

#### *Tvetenia calvescens*

### Family Chloropidae

#### *Chlorops sahlbergii*

ARCTOS RECORDS: KNWR:Ento:1825, KNWR:Ento:2143, KNWR:Ento:4243, KNWR:Ento:4444, KNWR:Ento:5801, UAM:Ento:282608

#### *Thaumatomyia trifasciata*

ARCTOS RECORDS: KNWR:Ento:2909, KNWR:Ento:2910, KNWR:Ento:2912, KNWR:Ento:2913, KNWR:Ento:2915, UAM:Ento:282609

### Family Culicidae

#### *Aedes abserratus*

BOLD RECORDS: MOBIL1404-16

#### *Aedes diantaeus*

#### *Culiseta impatiens*

ARCTOS RECORDS: KNWR:Ento:10415

#### *Ochlerotatus communis*

SYNONYMS: *Aedes communis*

ARCTOS RECORDS: KNWR:Ento:8889, KNWR:Ento:8890

### Family Dolichopodidae

**Argyra currani**ARCTOS RECORDS: [KNWR:Ento:2935](#)**Campsicnemus alaskensis**ARCTOS RECORDS: [KNWR:Ento:3081](#)**Campsicnemus claudicans**ARCTOS RECORDS: [KNWR:Ento:7855](#)**Dolichopus detersus**ARCTOS RECORDS: [KNWR:Ento:7851](#)**Dolichopus latipennis**ARCTOS RECORDS: [KNWR:Ento:2963](#), [KNWR:Ento:2978](#), [KNWR:Ento:2981](#)**Dolichopus plumipes**ARCTOS RECORDS: [KNWR:Ento:2934](#), [KNWR:Ento:2936](#), [KNWR:Ento:2941](#), [KNWR:Ento:2948](#), [KNWR:Ento:2949](#), [KNWR:Ento:2958](#), [KNWR:Ento:2966](#), [KNWR:Ento:6056](#), [KNWR:Ento:6057](#), [KNWR:Ento:6058](#), [KNWR:Ento:6060](#)**Dolichopus remipes**ARCTOS RECORDS: [KNWR:Ento:6783](#), [KNWR:Ento:7849](#), [KNWR:Ento:7850](#)**Dolichopus stenhammari**ARCTOS RECORDS: [KNWR:Ento:5471](#), [KNWR:Ento:6785](#), [KNWR:Ento:7852](#), [KNWR:Ento:7853](#), [KNWR:Ento:7854](#)**Hydrophorus algens****Hydrophorus glaber****Medetera vockerothi**ARCTOS RECORDS: [KNWR:Ento:7846](#)**Neurigona ciliata**ARCTOS RECORDS: [KNWR:Ento:6787](#), [KNWR:Ento:7856](#)**Rhaphium discolor****Rhaphium elegantulum**ARCTOS RECORDS: [KNWR:Ento:6786](#), [KNWR:Ento:7847](#)**Rhaphium femoratum**ARCTOS RECORDS: [KNWR:Ento:2937](#), [KNWR:Ento:2939](#), [KNWR:Ento:2942](#), [KNWR:Ento:2944](#), [KNWR:Ento:2945](#), [KNWR:Ento:2950](#), [KNWR:Ento:2951](#), [KNWR:Ento:2952](#), [KNWR:Ento:2953](#), [KNWR:Ento:2954](#), [KNWR:Ento:2959](#), [KNWR:Ento:2962](#), [KNWR:Ento:2964](#), [KNWR:Ento:2965](#), [KNWR:Ento:2967](#), [KNWR:Ento:2968](#), [KNWR:Ento:2969](#), [KNWR:Ento:2970](#), [KNWR:Ento:2972](#), [KNWR:Ento:2973](#), [KNWR:Ento:2974](#), [KNWR:Ento:2975](#), [KNWR:Ento:2977](#), [KNWR:Ento:2979](#), [KNWR:Ento:2980](#), [KNWR:Ento:2982](#), [KNWR:Ento:2983](#), [KNWR:Ento:2985](#), [KNWR:Ento:2986](#), [KNWR:Ento:2989](#), [KNWR:Ento:2990](#), [KNWR:Ento:2991](#), [KNWR:Ento:2992](#), [KNWR:Ento:2993](#), [KNWR:Ento:2994](#), [KNWR:Ento:2995](#), [KNWR:Ento:3053](#), [KNWR:Ento:7848](#)**Family Dryomyzidae****Dryomyza setosa**ARCTOS RECORDS: [KNWR:Ento:3356](#)**Helcomyza mirabilis****Family Empididae****Clinocera fuscipennis**

COMMON NAMES: A dance fly

**Empis lucida**

COMMON NAMES: A dance fly

ARCTOS RECORDS: [KNWR:Ento:3239](#), [KNWR:Ento:4259](#), [KNWR:Ento:4963](#)**Iteaphila macquarti**

COMMON NAMES: A dance fly

ARCTOS RECORDS: [KNWR:Ento:2515](#), [KNWR:Ento:4700](#)**Iteaphila orchestris**ARCTOS RECORDS: [KNWR:Ento:3485](#), [KNWR:Ento:4093](#), [KNWR:Ento:4623](#)**Iteaphila testacea**

COMMON NAMES: A dance fly

ARCTOS RECORDS: [KNWR:Ento:3279](#)**Iteaphila triangula**

COMMON NAMES: A dance fly

ARCTOS RECORDS: [KNWR:Ento:2887](#), [KNWR:Ento:3558](#)**Rhamphomyia acuta**

COMMON NAMES: A dance fly

ARCTOS RECORDS: [KNWR:Ento:1495](#), [KNWR:Ento:1498](#), [KNWR:Ento:1503](#), [KNWR:Ento:1694](#), [KNWR:Ento:1697](#), [KNWR:Ento:1858](#), [KNWR:Ento:2157](#), [KNWR:Ento:2416](#), [KNWR:Ento:2683](#), [KNWR:Ento:3559](#), [KNWR:Ento:7860](#)**Rhamphomyia anthracodes**

COMMON NAMES: A dance fly

ARCTOS RECORDS: [KNWR:Ento:7859](#)**Rhamphomyia atrata**

COMMON NAMES: A dance fly

ARCTOS RECORDS: [KNWR:Ento:4025](#), [KNWR:Ento:4026](#), [KNWR:Ento:4823](#), [KNWR:Ento:4865](#), [KNWR:Ento:4996](#), [KNWR:Ento:4997](#), [KNWR:Ento:5179](#), [KNWR:Ento:5180](#)**Rhamphomyia auricoma**

COMMON NAMES: A dance fly

**Rhamphomyia barypoda**ARCTOS RECORDS: [KNWR:Ento:3466](#), [KNWR:Ento:3467](#), [KNWR:Ento:3604](#), [KNWR:Ento:4036](#), [KNWR:Ento:4383](#), [KNWR:Ento:5265](#)**Rhamphomyia laticauda****Rhamphomyia praecipua**ARCTOS RECORDS: [KNWR:Ento:2299](#), [KNWR:Ento:2415](#), [KNWR:Ento:2774](#), [KNWR:Ento:2775](#), [KNWR:Ento:2780](#), [KNWR:Ento:2785](#), [KNWR:Ento:3646](#), [KNWR:Ento:3910](#), [KNWR:Ento:4500](#), [KNWR:Ento:4798](#), [KNWR:Ento:4817](#), [KNWR:Ento:4818](#), [KNWR:Ento:4819](#), [KNWR:Ento:4821](#), [KNWR:Ento:4824](#), [KNWR:Ento:4826](#), [KNWR:Ento:4864](#), [KNWR:Ento:5587](#), [KNWR:Ento:5631](#), [KNWR:Ento:5708](#)**Rhamphomyia pusilla**

COMMON NAMES: A dance fly

ARCTOS RECORDS: [KNWR:Ento:2601](#)**Rhamphomyia rivalis**

COMMON NAMES: A dance fly

ARCTOS RECORDS: [KNWR:Ento:1968](#)**Family Ephydriidae****Allotrichoma bezzii**ARCTOS RECORDS: [KNWR:Ento:10607](#)**Coenia curvicauda**ARCTOS RECORDS: [KNWR:Ento:10573](#)**Dichaeta caudata**ARCTOS RECORDS: [KNWR:Ento:10514](#), [KNWR:Ento:10542](#)**Discocerina obscurella**ARCTOS RECORDS: [KNWR:Ento:10603](#)**Ditrichophora occidentalis**ARCTOS RECORDS: [KNWR:Ento:10596](#), [KNWR:Ento:10597](#), [KNWR:Ento:10600](#), [KNWR:Ento:10601](#), [KNWR:Ento:10602](#), [KNWR:Ento:10614](#), [KNWR:Ento:10615](#), [KNWR:Ento:10624](#), [KNWR:Ento:10628](#)

**Ephydra riparia**

ARCTOS RECORDS: KNWR:Ento:3001

**Gymnoclasiopa bohemannii**ARCTOS RECORDS: KNWR:Ento:10590, KNWR:Ento:10592,  
KNWR:Ento:10595, KNWR:Ento:10610, KNWR:Ento:10626**Gymnoclasiopa parilis**ARCTOS RECORDS: KNWR:Ento:10593, KNWR:Ento:10613,  
KNWR:Ento:10618, KNWR:Ento:10625**Gymnoclasiopa tacoma**ARCTOS RECORDS: KNWR:Ento:10606, KNWR:Ento:10608,  
KNWR:Ento:10617, KNWR:Ento:10619, KNWR:Ento:10622,  
KNWR:Ento:10623**Hyadina binotata**ARCTOS RECORDS: KNWR:Ento:10013, KNWR:Ento:10591,  
KNWR:Ento:10599, KNWR:Ento:10604, KNWR:Ento:10605,  
KNWR:Ento:10609, KNWR:Ento:10611, KNWR:Ento:10616,  
KNWR:Ento:10621**Hydrellia morrisoni**

ARCTOS RECORDS: KNWR:Ento:2998

**Hydrellia sp. iv**

ARCTOS RECORDS: KNWR:Ento:7470

**Hydrellia tibialis**ARCTOS RECORDS: KNWR:Ento:10519, KNWR:Ento:10530,  
KNWR:Ento:10554, KNWR:Ento:10557, KNWR:Ento:10577,  
KNWR:Ento:10579, KNWR:Ento:10582**Ilythea spilota**ARCTOS RECORDS: KNWR:Ento:10012, KNWR:Ento:10598,  
KNWR:Ento:10627**Lamproscatella occidentalis**ARCTOS RECORDS: KNWR:Ento:10508, KNWR:Ento:10512,  
KNWR:Ento:10522**Lytogaster obscura**ARCTOS RECORDS: KNWR:Ento:3008, KNWR:Ento:3028, KNWR:-  
Ento:3030, KNWR:Ento:3059, KNWR:Ento:3069, KNWR:Ento:3073,  
KNWR:Ento:3083, KNWR:Ento:3122, KNWR:Ento:3126, KNWR:-  
Ento:3133, KNWR:Ento:3142, UAM:Ento:282614**Notiphila loewi**ARCTOS RECORDS: KNWR:Ento:10560, KNWR:Ento:10561,  
KNWR:Ento:10569, KNWR:Ento:10572, KNWR:Ento:10576**Notiphila uliginosa**ARCTOS RECORDS: KNWR:Ento:10536, KNWR:Ento:10546,  
KNWR:Ento:10550, KNWR:Ento:10568, KNWR:Ento:10570,  
KNWR:Ento:10571, KNWR:Ento:10588, KNWR:Ento:2996,  
KNWR:Ento:2997, KNWR:Ento:3007, KNWR:Ento:3013, KNWR:-  
Ento:3014, KNWR:Ento:3015, KNWR:Ento:3016, KNWR:Ento:3017,  
KNWR:Ento:3018, KNWR:Ento:3023, KNWR:Ento:3032, KNWR:-  
Ento:3043, KNWR:Ento:3045, KNWR:Ento:3046, KNWR:Ento:3047,  
KNWR:Ento:3048, KNWR:Ento:3051, KNWR:Ento:3055, KNWR:-  
Ento:3057, KNWR:Ento:3058, KNWR:Ento:3061, KNWR:Ento:3062,  
KNWR:Ento:3064, KNWR:Ento:3065, KNWR:Ento:3068, KNWR:-  
Ento:3071, KNWR:Ento:3072, KNWR:Ento:3082, KNWR:Ento:3085,  
KNWR:Ento:3091, KNWR:Ento:3102, KNWR:Ento:3107, KNWR:-  
Ento:3119, KNWR:Ento:3121, KNWR:Ento:3125, KNWR:Ento:3127,  
KNWR:Ento:3129, KNWR:Ento:3130, KNWR:Ento:3132, KNWR:-  
Ento:3134, KNWR:Ento:3138, KNWR:Ento:3139, KNWR:Ento:3144,  
KNWR:Ento:3150, KNWR:Ento:3155, KNWR:Ento:3160, KNWR:-  
Ento:3161, KNWR:Ento:3163, KNWR:Ento:3164, KNWR:Ento:3167,  
KNWR:Ento:3170, KNWR:Ento:3171, KNWR:Ento:3172, KNWR:-  
Ento:3175, KNWR:Ento:3176, KNWR:Ento:3182, KNWR:Ento:3184,KNWR:Ento:3187, KNWR:Ento:3192, KNWR:Ento:3193, KNWR:-  
Ento:3198, KNWR:Ento:3200, KNWR:Ento:3203, KNWR:Ento:3204,  
KNWR:Ento:3207**Parydra aquila**

ARCTOS RECORDS: KNWR:Ento:10532, KNWR:Ento:10547

**Parydra fossarum**ARCTOS RECORDS: KNWR:Ento:3003, KNWR:Ento:3010, KNWR:-  
Ento:3011, KNWR:Ento:3019, KNWR:Ento:3022, KNWR:Ento:3031,  
KNWR:Ento:3040, KNWR:Ento:3074, KNWR:Ento:3080, KNWR:-  
Ento:3088, KNWR:Ento:3089, KNWR:Ento:3099, KNWR:Ento:3113,  
KNWR:Ento:3114, KNWR:Ento:3137, KNWR:Ento:3143, KNWR:-  
Ento:3174, KNWR:Ento:3206, UAM:Ento:282604**Parydra quadriloba**

ARCTOS RECORDS: KNWR:Ento:4078

**Pelina canadensis**ARCTOS RECORDS: KNWR:Ento:3024, KNWR:Ento:3056, KNWR:-  
Ento:3060, KNWR:Ento:3101, KNWR:Ento:3196**Philotelma defectum**ARCTOS RECORDS: KNWR:Ento:3095, KNWR:Ento:3112, KNWR:-  
Ento:3181, UAM:Ento:282607**Philygria debilis**

ARCTOS RECORDS: KNWR:Ento:7831

**Psilopa girschneri**ARCTOS RECORDS: KNWR:Ento:3042, KNWR:Ento:3076, KNWR:-  
Ento:3077, KNWR:Ento:3078, KNWR:Ento:3079, KNWR:Ento:3103,  
KNWR:Ento:3117, KNWR:Ento:3168, UAM:Ento:282606**Scatella laxa**

ARCTOS RECORDS: KNWR:Ento:3036, KNWR:Ento:3066

**Scatella obsoleta**ARCTOS RECORDS: KNWR:Ento:10549, KNWR:Ento:10558,  
KNWR:Ento:10585, KNWR:Ento:10612**Scatella tenuicosta**ARCTOS RECORDS: KNWR:Ento:10501, KNWR:Ento:10505,  
KNWR:Ento:10516, KNWR:Ento:10518, KNWR:Ento:10524,  
KNWR:Ento:10525, KNWR:Ento:10527, KNWR:Ento:10529,  
KNWR:Ento:10533, KNWR:Ento:10535, KNWR:Ento:10538,  
KNWR:Ento:10539, KNWR:Ento:10540, KNWR:Ento:10541,  
KNWR:Ento:10543, KNWR:Ento:10545, KNWR:Ento:10548,  
KNWR:Ento:10551, KNWR:Ento:10553, KNWR:Ento:10556,  
KNWR:Ento:10563, KNWR:Ento:10564, KNWR:Ento:10567,  
KNWR:Ento:10574, KNWR:Ento:10575, KNWR:Ento:10578,  
KNWR:Ento:10581, KNWR:Ento:10584, KNWR:Ento:10586,  
KNWR:Ento:10589, KNWR:Ento:10594, KNWR:Ento:10620,  
KNWR:Ento:3128**Scatophila cribrata**

ARCTOS RECORDS: KNWR:Ento:4550

**Setacera micans**

ARCTOS RECORDS: KNWR:Ento:10537

**Family Fanniidae****Fannia postica**

ARCTOS RECORDS: KNWR:Ento:2005

**Fannia serena**

ARCTOS RECORDS: KNWR:Ento:2004, KNWR:Ento:2144

**Fannia spathiophora**ARCTOS RECORDS: KNWR:Ento:1192, KNWR:Ento:1497, KNWR:-  
Ento:1502, KNWR:Ento:1535, KNWR:Ento:1536, KNWR:Ento:1538,  
KNWR:Ento:1539, KNWR:Ento:1688, KNWR:Ento:1689, KNWR:-  
Ento:1690, KNWR:Ento:1692, KNWR:Ento:1693, KNWR:Ento:1696,



KNWR:Ento:1699, KNWR:Ento:1712, KNWR:Ento:1713, KNWR:Ento:1714, KNWR:Ento:1716, KNWR:Ento:1717, KNWR:Ento:1814, KNWR:Ento:1817, KNWR:Ento:1827, KNWR:Ento:1864, KNWR:Ento:1865, KNWR:Ento:1866, KNWR:Ento:1867, KNWR:Ento:1868, KNWR:Ento:1869, KNWR:Ento:1870, KNWR:Ento:1871, KNWR:Ento:1872, KNWR:Ento:1873, KNWR:Ento:1874, KNWR:Ento:1875, KNWR:Ento:1876, KNWR:Ento:1877, KNWR:Ento:1878, KNWR:Ento:1879, KNWR:Ento:1880, KNWR:Ento:1881, KNWR:Ento:1882, KNWR:Ento:1884, KNWR:Ento:1885, KNWR:Ento:1886, KNWR:Ento:1887, KNWR:Ento:1888, KNWR:Ento:1889, KNWR:Ento:1890, KNWR:Ento:1891, KNWR:Ento:1892, KNWR:Ento:1893, KNWR:Ento:1894, KNWR:Ento:1896, KNWR:Ento:1897, KNWR:Ento:1898, KNWR:Ento:1899, KNWR:Ento:1900, KNWR:Ento:1901, KNWR:Ento:1902, KNWR:Ento:1903, KNWR:Ento:1904, KNWR:Ento:1905, KNWR:Ento:1906, KNWR:Ento:1907, KNWR:Ento:1908, KNWR:Ento:1909, KNWR:Ento:1910, KNWR:Ento:1911, KNWR:Ento:1912, KNWR:Ento:1913, KNWR:Ento:1914, KNWR:Ento:1915, KNWR:Ento:1916, KNWR:Ento:1917, KNWR:Ento:1918, KNWR:Ento:1919, KNWR:Ento:1921, KNWR:Ento:1922, KNWR:Ento:1923, KNWR:Ento:1924, KNWR:Ento:1925, KNWR:Ento:1926, KNWR:Ento:1927, KNWR:Ento:1928, KNWR:Ento:1929, KNWR:Ento:1931, KNWR:Ento:1932, KNWR:Ento:1933, KNWR:Ento:1934, KNWR:Ento:1935, KNWR:Ento:1936, KNWR:Ento:1937, KNWR:Ento:1938, KNWR:Ento:1939, KNWR:Ento:1940, KNWR:Ento:1941, KNWR:Ento:1942, KNWR:Ento:1944, KNWR:Ento:1945, KNWR:Ento:1946, KNWR:Ento:1947, KNWR:Ento:1948, KNWR:Ento:1949, KNWR:Ento:1950, KNWR:Ento:2003, KNWR:Ento:2071, KNWR:Ento:2141, KNWR:Ento:2145, KNWR:Ento:2146, KNWR:Ento:2148, KNWR:Ento:2218, KNWR:Ento:2219, KNWR:Ento:2220, KNWR:Ento:2221, KNWR:Ento:2222, KNWR:Ento:2224, KNWR:Ento:2225, KNWR:Ento:2228, KNWR:Ento:2229, KNWR:Ento:2230, KNWR:Ento:2233, KNWR:Ento:2235, KNWR:Ento:2236, KNWR:Ento:2237, KNWR:Ento:2238, KNWR:Ento:2239, KNWR:Ento:2241, KNWR:Ento:2246, KNWR:Ento:2247, KNWR:Ento:2301, KNWR:Ento:2303, KNWR:Ento:2304, KNWR:Ento:2307, KNWR:Ento:2320, KNWR:Ento:2321, KNWR:Ento:2322, KNWR:Ento:2323, KNWR:Ento:2324, KNWR:Ento:2325, KNWR:Ento:2326, KNWR:Ento:2327, KNWR:Ento:2328, KNWR:Ento:2329, KNWR:Ento:2330, KNWR:Ento:2331, KNWR:Ento:2332, KNWR:Ento:2335, KNWR:Ento:2336, KNWR:Ento:2337, KNWR:Ento:2338, KNWR:Ento:2339, KNWR:Ento:2340, KNWR:Ento:2342, KNWR:Ento:2344, KNWR:Ento:2345, KNWR:Ento:2346, KNWR:Ento:2347, KNWR:Ento:2348, KNWR:Ento:2349, KNWR:Ento:2350, KNWR:Ento:2351, KNWR:Ento:2352, KNWR:Ento:2353, KNWR:Ento:2354, KNWR:Ento:2355, KNWR:Ento:2356, KNWR:Ento:2357, KNWR:Ento:2358, KNWR:Ento:2359, KNWR:Ento:2360, KNWR:Ento:2361, KNWR:Ento:2362, KNWR:Ento:2363, KNWR:Ento:2364, KNWR:Ento:2365, KNWR:Ento:2367, KNWR:Ento:2368, KNWR:Ento:2369, KNWR:Ento:2371, KNWR:Ento:2372, KNWR:Ento:2373, KNWR:Ento:2377, KNWR:Ento:2378, KNWR:Ento:2379, KNWR:Ento:2380, KNWR:Ento:2381, KNWR:Ento:2382, KNWR:Ento:2383, KNWR:Ento:2384, KNWR:Ento:2385, KNWR:Ento:2386, KNWR:Ento:2387, KNWR:Ento:2388, KNWR:Ento:2389, KNWR:Ento:2390, KNWR:Ento:2391, KNWR:Ento:2392, KNWR:Ento:2394, KNWR:Ento:2396, KNWR:Ento:2397, KNWR:Ento:2398, KNWR:Ento:2399, KNWR:Ento:2400, KNWR:Ento:2401, KNWR:Ento:2559, KNWR:Ento:2563, KNWR:Ento:2589, KNWR:Ento:2593, KNWR:Ento:2595, KNWR:Ento:3305, KNWR:Ento:3358, KNWR:Ento:3438, KNWR:Ento:3440, KNWR:Ento:3445, KNWR:Ento:3448, KNWR:Ento:3529, KNWR:Ento:3831, KNWR:Ento:3832, KNWR:Ento:3988, KNWR:Ento:4186, KNWR:Ento:4191, KNWR:Ento:4364, KNWR:Ento:4492, KNWR:Ento:4605, KNWR:Ento:5202, KNWR:Ento:5581, KNWR:Ento:5583, KNWR:Ento:5585, KNWR:Ento:5586, KNWR:Ento:5588, KNWR:Ento:5589, KNWR:Ento:5590, KNWR:Ento:5591, KNWR:Ento:5592, KNWR:Ento:5639, KNWR:Ento:5640, KNWR:Ento:5711, KNWR:Ento:5713, KNWR:Ento:5714, KNWR:Ento:5720, KNWR:Ento:5721, KNWR:Ento:5722, KNWR:Ento:5723, KNWR:Ento:5724, KNWR:Ento:5779, KNWR:Ento:5780, KNWR:Ento:5781, KNWR:Ento:5782, KNWR:Ento:5785, KNWR:Ento:5790, KNWR:Ento:5802, KNWR:Ento:5803, KNWR:Ento:5804, KNWR:Ento:5807, KNWR:Ento:5808, KNWR:Ento:5809, KNWR:Ento:5811, KNWR:Ento:5812, KNWR:Ento:5814, KNWR:Ento:5815, KNWR:Ento:5816, KNWR:Ento:5817, KNWR:Ento:5893, KNWR:Ento:5941, KNWR:Ento:5943, KNWR:Ento:5945, KNWR:Ento:5946, KNWR:Ento:5949, KNWR:Ento:5950, KNWR:Ento:5951, KNWR:Ento:5956, KNWR:Ento:6101, KNWR:Ento:6105, KNWR:Ento:6122, KNWR:Ento:6124, KNWR:Ento:6127, KNWR:Ento:6128, KNWR:Ento:6129, KNWR:Ento:6130, KNWR:Ento:6131, KNWR:Ento:6132, UAM:Ento:282692, UAM:Ento:307707, UAM:Ento:307708, UAM:Ento:307709, UAM:Ento:307710, UAM:Ento:307711, UAM:Ento:307712, UAM:Ento:307713, UAM:Ento:307714, UAM:Ento:307715, UAM:Ento:310996, UAM:Ento:310997, UAM:Ento:310998, UAM:Ento:310999, UAM:Ento:311000, UAM:Ento:311001, UAM:Ento:311002, UAM:Ento:311003, UAM:Ento:311004, UAM:Ento:311005, UAM:Ento:311006, UAM:Ento:311007, UAM:Ento:311008, UAM:Ento:311009, UAM:Ento:311010, UAM:Ento:311011, UAM:Ento:311012, UAM:Ento:311013, UAM:Ento:311014, UAM:Ento:311015, UAM:Ento:311767, UAM:Ento:311768, UAM:Ento:311769, UAM:Ento:311770, UAM:Ento:311771, UAM:Ento:311772, UAM:Ento:311773, UAM:Ento:311774, UAM:Ento:311775, UAM:Ento:311776, UAM:Ento:311777, UAM:Ento:311778, UAM:Ento:311779, UAM:Ento:311780, UAM:Ento:311781, UAM:Ento:311782, UAM:Ento:311783, UAM:Ento:311791, UAM:Ento:311792, UAM:Ento:311793, UAM:Ento:311794, UAM:Ento:311795, UAM:Ento:311796, UAM:Ento:311797, UAM:Ento:311798, UAM:Ento:311799

### **Fannia subpellucens**

ARCTOS RECORDS: KNWR:Ento:1534, KNWR:Ento:2002, KNWR:Ento:2142, KNWR:Ento:2749, KNWR:Ento:2816, KNWR:Ento:2818, KNWR:Ento:2819, KNWR:Ento:2822, KNWR:Ento:2826, KNWR:Ento:2828, KNWR:Ento:2831, KNWR:Ento:2833, KNWR:Ento:2834, KNWR:Ento:2835, KNWR:Ento:2836, KNWR:Ento:2837, KNWR:Ento:2838, KNWR:Ento:2841, KNWR:Ento:2842, KNWR:Ento:2844, KNWR:Ento:2845, KNWR:Ento:2846, KNWR:Ento:3808, KNWR:Ento:4145, KNWR:Ento:4187, KNWR:Ento:4251, KNWR:Ento:4365, KNWR:Ento:4374, KNWR:Ento:4909, KNWR:Ento:5079, KNWR:Ento:7367

### **Family Heleomyzidae**

#### **Heleomyza nebulosa**

#### **Scoliocentra sp. bold:aau5513**

#### **Suillia apicalis**

ARCTOS RECORDS: KNWR:Ento:2117

#### **Suillia convergens**

ARCTOS RECORDS: KNWR:Ento:1189, KNWR:Ento:1191, KNWR:Ento:1541, KNWR:Ento:1790, KNWR:Ento:3280, KNWR:Ento:3281, KNWR:Ento:3282, KNWR:Ento:3283, KNWR:Ento:3284, KNWR:Ento:4489, KNWR:Ento:4872, KNWR:Ento:5748, UAM:Ento:282605

### **Family Hybotidae**

#### **Euthyneura sp. bold:aaf9859**

ARCTOS RECORDS: KNWR:Ento:5962

#### **Leptopeza flavipes**

COMMON NAMES: A dance fly

ARCTOS RECORDS: KNWR:Ento:3469, KNWR:Ento:3470, KNWR:Ento:4385, KNWR:Ento:5235

#### **Ocydromia glabricula**

COMMON NAMES: A dance fly

ARCTOS RECORDS: KNWR:Ento:5138, KNWR:Ento:5961

#### **Platypalpus lateralis**

ARCTOS RECORDS: KNWR:Ento:1499, KNWR:Ento:1500, KNWR:Ento:1504, KNWR:Ento:1575, KNWR:Ento:1735, KNWR:Ento:1795, KNWR:Ento:1796, KNWR:Ento:1797, KNWR:Ento:1798, KNWR:Ento:1799, KNWR:Ento:1800, KNWR:Ento:1831, KNWR:Ento:1953, KNWR:Ento:2034, KNWR:Ento:3278, KNWR:Ento:3512, KNWR:Ento:3513, KNWR:Ento:3514, KNWR:Ento:3515, KNWR:Ento:3645, KNWR:Ento:4386, KNWR:Ento:4387, KNWR:Ento:4701, KNWR:Ento:4986, KNWR:Ento:5143, KNWR:Ento:7858

### **Platypalpus xanthopodus**

ARCTOS RECORDS: KNWR:Ento:2035, KNWR:Ento:2539, KNWR:Ento:2540, KNWR:Ento:2541, KNWR:Ento:2542, KNWR:Ento:2543, KNWR:Ento:2544, KNWR:Ento:2545, KNWR:Ento:2546, KNWR:Ento:2547, KNWR:Ento:3304, KNWR:Ento:3454, KNWR:Ento:4530, KNWR:Ento:5351, KNWR:Ento:5551, KNWR:Ento:5911, KNWR:Ento:5963

## **Family Lauxaniidae**

### **Lauxania shewelli**

ARCTOS RECORDS: KNWR:Ento:1157, KNWR:Ento:1611, KNWR:Ento:1820, KNWR:Ento:1823, KNWR:Ento:2149, KNWR:Ento:2634, KNWR:Ento:4057, KNWR:Ento:4276, KNWR:Ento:4446, KNWR:Ento:4449, KNWR:Ento:4451, KNWR:Ento:4635, KNWR:Ento:4636, KNWR:Ento:4640, KNWR:Ento:4643, KNWR:Ento:4644, KNWR:Ento:4645, KNWR:Ento:4661, KNWR:Ento:4705, KNWR:Ento:4736, KNWR:Ento:4737, KNWR:Ento:4741, KNWR:Ento:4742, KNWR:Ento:4890, KNWR:Ento:4891, KNWR:Ento:4965, KNWR:Ento:4966, KNWR:Ento:4967, KNWR:Ento:4968, KNWR:Ento:4969, KNWR:Ento:4970, KNWR:Ento:4971, KNWR:Ento:4972, KNWR:Ento:4974, KNWR:Ento:5057, KNWR:Ento:5299

### **Sapromyza sp. taw1 bold:aag6931**

## **Family Lonchopteridae**

### **Lonchoptera uniseta**

TAXONOMIC NOTES: Our single specimen was keyed tentatively to *Lonchoptera uniseta* using Curran (1934). A COI sequence from this specimen fell into a BIN<sup>2</sup> in which specimens identified as *Lonchoptera uniseta* and *Lonchoptera occidentalis* were included.

## **Family Micropezidae**

### **Cnodacophora nasoni**

ARCTOS RECORDS: KNWR:Ento:3098

## **Family Muscidae**

### **Coenosia cilicauda**

ARCTOS RECORDS: KNWR:Ento:7270

### **Haematobosca alcis**

COMMON NAMES: Moose fly

ARCTOS RECORDS: KNWR:Ento:2302, KNWR:Ento:4735, KNWR:Ento:5233, KNWR:Ento:5772, KNWR:Ento:5776, KNWR:Ento:5778

### **Limnospila albifrons**

ARCTOS RECORDS: KNWR:Ento:6044

### **Mesembrina latreillii**

ARCTOS RECORDS: KNWR:Ento:1707, KNWR:Ento:5940, KNWR:Ento:5944

### **Morellia podagrica**

ARCTOS RECORDS: KNWR:Ento:7221

### **Muscina levida**

ARCTOS RECORDS: KNWR:Ento:7220

### **Thricops diaphanus**

ARCTOS RECORDS: KNWR:Ento:10286

## **Family Mycetophilidae**

### **Boletina sp. bold:aav0669**

### **Mycetophila sp. bold:aag4978**

BOLD RECORDS: MOBIL1587-16

### **Mycetophila sp. bold:aav4006**

### **Rymosia sp. bold:acx7837**

BOLD RECORDS: MOBIL860-15

### **Sceptonia sp. cjb1 bold:aap8860**

### **Tarnania tarnanii**

SYNONYMS: *Rymosia tarnanii*

BOLD RECORDS: MOBIL1588-16

## **Family Opomyzidae**

### **Geomyza sp.**

ARCTOS RECORDS: KNWR:Ento:10515

## **Family Otitidae**

### **Melieria cana**

ARCTOS RECORDS: KNWR:Ento:3037, KNWR:Ento:6066, KNWR:Ento:6067, KNWR:Ento:6068, KNWR:Ento:6069, KNWR:Ento:6070, KNWR:Ento:6071, KNWR:Ento:6072, KNWR:Ento:6073, KNWR:Ento:6074, KNWR:Ento:6075, KNWR:Ento:6076, KNWR:Ento:6077, KNWR:Ento:6078, KNWR:Ento:6081

## **Family Pipunculidae**

### **Cephalops furnaceus**

ARCTOS RECORDS: UAM:Ento:97837

### **Chalarus sp. ak1 bold:aaz4904**

### **Dorylomorpha albitarsis**

ARCTOS RECORDS: KNWR:Ento:5442

### **Dorylomorpha spinosa**

ARCTOS RECORDS: KNWR:Ento:4381, KNWR:Ento:4382, UAM:Ento:97839

### **Pipunculus hertzogi**

ARCTOS RECORDS: KNWR:Ento:6768, UAM:Ento:97840

### **Tomosvaryella sp. ak3**

## **Family Platypezidae**

### **Lindneromyia agarici**

## **Family Sciaridae**

### **Cratyna sp. bold:aah3993**

BOLD RECORDS: MOBIL1239-16

## **Family Sciomyzidae**

### **Dictya umbroides**

ARCTOS RECORDS: UAM:Ento:138868

### **Pherbellia albocostata**

ARCTOS RECORDS: KNWR:Ento:1771, KNWR:Ento:1791, KNWR:Ento:5952

### **Pherbellia schoenherri**

ARCTOS RECORDS: KNWR:Ento:2036

### **Pherbellia tenuipes**

ARCTOS RECORDS: KNWR:Ento:3682, KNWR:Ento:3823

<sup>2</sup>[http://boldsystems.org/index.php/Public\\_BarcodeCluster?clusteruri=BOLD:AAP8889](http://boldsystems.org/index.php/Public_BarcodeCluster?clusteruri=BOLD:AAP8889)



**Pteromicra sp.**ARCTOS RECORDS: [KNWR:Ento:10580](#)**Renocera brevis****Sepedon borealis**

COMMON NAMES: Marsh fly

ARCTOS RECORDS: [KNWR:Ento:5354](#)**Tetanocera fuscinervis**ARCTOS RECORDS: [KNWR:Ento:5353](#)**Tetanocera montana**ARCTOS RECORDS: [KNWR:Ento:1589](#)**Tetanocera phyllophora**ARCTOS RECORDS: [KNWR:Ento:3936](#), [KNWR:Ento:6133](#), [KNWR:Ento:6149](#)**Tetanocera plebeja**ARCTOS RECORDS: [KNWR:Ento:6772](#)**Tetanocera silvatica**ARCTOS RECORDS: [KNWR:Ento:6771](#)**Family Sepsidae****Themira putris**

COMMON NAMES: A sepsid fly

**Family Simuliidae****Prosimulium travisi**ARCTOS RECORDS: [KNWR:Ento:2140](#), [KNWR:Ento:2296](#), [KNWR:Ento:2297](#), [KNWR:Ento:2452](#), [KNWR:Ento:2453](#), [KNWR:Ento:2514](#), [KNWR:Ento:2548](#), [KNWR:Ento:2736](#), [KNWR:Ento:2809](#), [KNWR:Ento:2877](#), [KNWR:Ento:2878](#), [KNWR:Ento:3506](#), [KNWR:Ento:3725](#), [KNWR:Ento:3726](#), [KNWR:Ento:3742](#), [KNWR:Ento:3743](#), [KNWR:Ento:3744](#), [KNWR:Ento:3949](#), [KNWR:Ento:5128](#), [KNWR:Ento:5129](#)**Simulium rostratum****Simulium vittatum**

COMMON NAMES: Striped black fly

ARCTOS RECORDS: [KNWR:Ento:2881](#)**Family Sphaeroceridae****Aptilotus parvipennis**ARCTOS RECORDS: [KNWR:Ento:8349](#)**Family Stratiomyidae****Beris fuscipes**BOLD RECORDS: [MOBIL1244-16](#)**Beris hauseri**ARCTOS RECORDS: [KNWR:Ento:3677](#)**Nemotelus canadensis**ARCTOS RECORDS: [KNWR:Ento:3109](#)**Family Synneuridae****Synneuron decipiens**ARCTOS RECORDS: [KNWR:Ento:6788](#)**Family Syrphidae****Baccha elongata****Brachyopa ferruginea**

COMMON NAMES: Aspen hoverfly

**Chalcosyrphus vecors**ARCTOS RECORDS: [KNWR:Ento:10818](#)**Cheilosia lasiophthalmus****Doros aequalis**ARCTOS RECORDS: [KNWR:Ento:7130](#)**Helophilus sp. bold:aaa3292**TAXONOMIC NOTES: This BOLD BIN (<http://dx.doi.org/10.5883/BOLD:AAA3292>) includes specimens identified as *Helophilus* sp. nov., *Helophilus affinis*, *Helophilus groenlandicus*, and *Helophilus hybridus*.**Lejops perfidiosus**ARCTOS RECORDS: [KNWR:Ento:6082](#)**Melangyna sp. bold:abx6571**TAXONOMIC NOTES: Our COI sequence from a specimen tentatively identified as *Melangyna lasiophthalma* was placed in a BIN with other specimens identified as *Melangyna* from western North America<sup>3</sup>, but this BIN was distinct from a BIN identified as *Melangyna lasiophthalma*<sup>4</sup>.ARCTOS RECORDS: [KNWR:Ento:5175](#)**Melanostoma mellinum**ARCTOS RECORDS: [KNWR:Ento:2015](#), [KNWR:Ento:2288](#), [KNWR:Ento:4325](#)**Neosciasia metallica**ARCTOS RECORDS: [KNWR:Ento:6085](#)**Parasyrphus tarsatus**ARCTOS RECORDS: [KNWR:Ento:3891](#)**Platycheirus angustatus****Platycheirus modestus****Platycheirus peltatoides**ARCTOS RECORDS: [KNWR:Ento:2808](#)**Platycheirus rosarum****Sericomyia militaris**ARCTOS RECORDS: [KNWR:Ento:1564](#)**Sphaerophoria philanthus**ARCTOS RECORDS: [KNWR:Ento:3393](#) BOLD RECORDS: [DKNWR053-11](#) GENBANK SEQUENCES: [JN582251](#)**Syrphus vitripennis**ARCTOS RECORDS: [KNWR:Ento:1566](#)**Family Tabanidae****Chrysops nigripes****Hybomitra zonalis**ARCTOS RECORDS: [KNWR:Ento:2293](#)**Family Tachinidae****Siphona maculata**ARCTOS RECORDS: [KNWR:Ento:3634](#), [KNWR:Ento:3635](#), [KNWR:Ento:3796](#), [KNWR:Ento:4240](#), [KNWR:Ento:4744](#)**Tachina marklini**ARCTOS RECORDS: [KNWR:Ento:10668](#)**Family Tephritidae****Campiglossa farinata**ARCTOS RECORDS: [KNWR:Ento:2637](#), [KNWR:Ento:2640](#)<sup>3</sup>[http://bins.boldsystems.org/index.php/Public\\_BarcodeCluster?clusteruri=BOLD:ABX6571](http://bins.boldsystems.org/index.php/Public_BarcodeCluster?clusteruri=BOLD:ABX6571)<sup>4</sup>[http://bins.boldsystems.org/index.php/Public\\_BarcodeCluster?clusteruri=BOLD:AAK7221](http://bins.boldsystems.org/index.php/Public_BarcodeCluster?clusteruri=BOLD:AAK7221)

**Family Tipulidae****Tipula entomophthorae**

INATURALIST OBSERVATIONS: 2853091

**Tipula macrolabis****Family Xylophagidae****Xylophagus decorus**

ARCTOS RECORDS: KNWR:Ento:6767

**Order Ephemeroptera****Family Baetidae****Procloeon pennulatum**

BOLD RECORDS: MOBIL1429-16

**Family Leptophlebiidae****Paraleptophlebia debilis**

ARCTOS RECORDS: KNWR:Ento:10676

**Order Hemiptera****Family Acanthosomatidae****Elasmostethus interstinctus**

ARCTOS RECORDS: KNWR:Ento:1578, KNWR:Ento:3347, KNWR:Ento:3657, KNWR:Ento:6153 INATURALIST OBSERVATIONS: 1336308

**Family Anthocoridae****Anthocoris musculus**

ARCTOS RECORDS: KNWR:Ento:4010, UAM:Ento:150444

**Family Aphididae****Amphorophora agathonica**

COMMON NAMES: Large raspberry aphid

**Aphis varians****Boernerina occidentalis****Cavariella digitata****Cavariella salicis****Chaitophorus neglectus****Chaitophorus populifolii****Cinara fornacula**

BOLD RECORDS: MOBIL1414-16, RDBAB1235-10

**Cinara nimbata****Euceraphis papyrifericola****Macrosiphoniella oblonga****Macrosiphum euphorbiae****Macrosiphum insulare****Macrosiphum stanleyi****Muscaphis escherichi****Pachypappa rosettei****Tamalia coweni**

ARCTOS RECORDS: UAM:Ento:205897

**Thecabius affinis****Thecabius populimonilis****Family Aradidae****Aneurus simplex**

DISTRIBUTION AND TRENDS: This species is widespread in northern North America (Picchi, 1977).

BIOLOGY: Aneurus simplex has been collected from under bark of Picea glauca and other spruces (Picchi, 1977).

ARCTOS RECORDS: KNWR:Ento:10748

**Family Cicadellidae****Balclutha manitou**

ARCTOS RECORDS: KNWR:Ento:6766

**Balclutha punctata**

ARCTOS RECORDS: KNWR:Ento:2310, KNWR:Ento:2311, KNWR:Ento:2476, KNWR:Ento:2477, KNWR:Ento:2574, KNWR:Ento:2575, KNWR:Ento:3452, KNWR:Ento:3609, KNWR:Ento:3610

**Draeculacephala angulifera**

ARCTOS RECORDS: UAM:Ento:176307, UAM:Ento:176308, UAM:Ento:176314, UAM:Ento:176315, UAM:Ento:176316

**Evacanthus grandipes****Macrosteles fascifrons****Thamnotettix confinis**

ARCTOS RECORDS: UAM:Ento:176124, UAM:Ento:176125

**Family Cixiidae****Cixius meridionalis**

ARCTOS RECORDS: KNWR:Ento:10254, KNWR:Ento:10255, KNWR:Ento:10256, KNWR:Ento:10257, KNWR:Ento:10258, KNWR:Ento:10277, KNWR:Ento:10279, KNWR:Ento:10281, KNWR:Ento:10282, KNWR:Ento:10289, KNWR:Ento:10290, KNWR:Ento:10291, KNWR:Ento:10292, KNWR:Ento:10293, KNWR:Ento:10294, KNWR:Ento:10319, KNWR:Ento:10320, KNWR:Ento:10321, KNWR:Ento:10326, KNWR:Ento:10327, KNWR:Ento:8877, KNWR:Ento:8881, KNWR:Ento:8883, KNWR:Ento:8894, KNWR:Ento:8899, KNWR:Ento:8902, KNWR:Ento:8903, KNWR:Ento:8904, KNWR:Ento:8912, KNWR:Ento:8913, KNWR:Ento:8914, KNWR:Ento:8916, KNWR:Ento:8917, KNWR:Ento:8920, KNWR:Ento:8921, KNWR:Ento:8922, KNWR:Ento:8923, KNWR:Ento:8924, KNWR:Ento:8925, KNWR:Ento:8926, KNWR:Ento:8932, KNWR:Ento:8933, KNWR:Ento:8934, KNWR:Ento:8940, KNWR:Ento:8941, KNWR:Ento:8942, KNWR:Ento:8951, KNWR:Ento:8957, KNWR:Ento:8958, KNWR:Ento:8959, KNWR:Ento:8963, KNWR:Ento:8964, KNWR:Ento:8965, KNWR:Ento:8966, KNWR:Ento:8967, KNWR:Ento:8970, KNWR:Ento:8971, KNWR:Ento:8972, KNWR:Ento:8977, KNWR:Ento:8978, KNWR:Ento:8984, KNWR:Ento:8985, KNWR:Ento:8989, KNWR:Ento:8990, KNWR:Ento:8994, KNWR:Ento:8996, KNWR:Ento:8998, UAM:Ento:256922, UAM:Ento:258741, UAM:Ento:258742, UAM:Ento:258743, UAM:Ento:258744, UAM:Ento:258745, UAM:Ento:258746, UAM:Ento:258747, UAM:Ento:258748, UAM:Ento:258749, UAM:Ento:258750, UAM:Ento:258751, UAM:Ento:258752, UAM:Ento:258753, UAM:Ento:258754, UAM:Ento:258755

**Family Delphacidae****Achorotile subarctica**

ARCTOS RECORDS: KNWR:Ento:10183, KNWR:Ento:10724, KNWR:Ento:3296, KNWR:Ento:4771, KNWR:Ento:5092, KNWR:Ento:5263, KNWR:Ento:5425, UAM:Ento:282639, UAM:Ento:96675

**Criomorpus inconspicuus**

SYNONYMS: Criomorpus wilhelmi

ARCTOS RECORDS: KNWR:Ento:10189, KNWR:Ento:4229, KNWR:Ento:4592, KNWR:Ento:4804, KNWR:Ento:4956, KNWR:Ento:5923, KNWR:Ento:6172, KNWR:Ento:6176, KNWR:Ento:8043, UAM:Ento:282636

**Delphacodes serrata**ARCTOS RECORDS: [KNWR:Ento:6175](#)**Javesella atrata**ARCTOS RECORDS: [KNWR:Ento:10184](#), [KNWR:Ento:4356](#), [KNWR:Ento:4512](#), [KNWR:Ento:4556](#), [KNWR:Ento:4710](#), [KNWR:Ento:5320](#), [KNWR:Ento:5833](#), [UAM:Ento:282638](#)**Javesella pellucida**ARCTOS RECORDS: [KNWR:Ento:10185](#), [KNWR:Ento:10186](#), [KNWR:Ento:1582](#), [KNWR:Ento:1615](#), [KNWR:Ento:1618](#), [KNWR:Ento:1664](#), [KNWR:Ento:1684](#), [KNWR:Ento:1811](#), [KNWR:Ento:1983](#), [KNWR:Ento:2019](#), [KNWR:Ento:2027](#), [KNWR:Ento:2082](#), [KNWR:Ento:2257](#), [KNWR:Ento:2419](#), [KNWR:Ento:2420](#), [KNWR:Ento:2576](#), [KNWR:Ento:2876](#), [KNWR:Ento:3220](#), [KNWR:Ento:3258](#), [KNWR:Ento:3289](#), [KNWR:Ento:3338](#), [KNWR:Ento:3747](#), [KNWR:Ento:3782](#), [KNWR:Ento:3802](#), [KNWR:Ento:3870](#), [KNWR:Ento:3871](#), [KNWR:Ento:3998](#), [KNWR:Ento:4092](#), [KNWR:Ento:4573](#), [KNWR:Ento:4780](#), [KNWR:Ento:5762](#), [KNWR:Ento:5993](#), [KNWR:Ento:6173](#), [KNWR:Ento:8018](#), [KNWR:Ento:8019](#), [KNWR:Ento:8020](#), [KNWR:Ento:8022](#), [KNWR:Ento:8023](#), [KNWR:Ento:8024](#), [KNWR:Ento:8025](#), [KNWR:Ento:8026](#), [KNWR:Ento:8027](#), [KNWR:Ento:8028](#), [KNWR:Ento:8029](#), [KNWR:Ento:8030](#), [KNWR:Ento:8031](#), [KNWR:Ento:8032](#), [KNWR:Ento:8034](#), [KNWR:Ento:8035](#), [KNWR:Ento:8036](#), [KNWR:Ento:8038](#), [KNWR:Ento:8039](#), [KNWR:Ento:8040](#), [KNWR:Ento:8041](#), [KNWR:Ento:8042](#), [KNWR:Ento:8044](#), [KNWR:Ento:8045](#), [KNWR:Ento:8046](#), [KNWR:Ento:8048](#), [KNWR:Ento:8049](#), [KNWR:Ento:8050](#), [KNWR:Ento:8051](#), [KNWR:Ento:8052](#), [KNWR:Ento:8053](#), [KNWR:Ento:8054](#), [KNWR:Ento:8055](#), [KNWR:Ento:8056](#), [KNWR:Ento:8058](#), [KNWR:Ento:8059](#), [KNWR:Ento:8060](#), [KNWR:Ento:8061](#), [KNWR:Ento:8062](#)**Kosswigianella analis**ARCTOS RECORDS: [KNWR:Ento:10179](#)**Kusnezoviella macleani**ARCTOS RECORDS: [KNWR:Ento:5273](#)**Nothodelphax albocarinata**ARCTOS RECORDS: [KNWR:Ento:10178](#), [KNWR:Ento:1200](#), [UAM:Ento:282637](#), [UAM:Ento:282640](#), [UAM:Ento:282641](#)**Paraliburnia kilmani**ARCTOS RECORDS: [KNWR:Ento:5199](#), [KNWR:Ento:6177](#), [KNWR:Ento:7365](#)**Family Geocoridae****Geocoris bullatus**COMMON NAMES: Large big-eyed bug  
ARCTOS RECORDS: [KNWR:Ento:7686](#)**Family Gerridae****Gerris buenoi**

COMMON NAMES: A water strider

**Limnoporus rufoscutellatus**ARCTOS RECORDS: [UAM:Ento:94509](#)**Family Lygaeidae****Kleidocerys resedae**ARCTOS RECORDS: [KNWR:Ento:5050](#), [KNWR:Ento:5051](#), [KNWR:Ento:5142](#), [KNWR:Ento:5176](#), [KNWR:Ento:5177](#), [KNWR:Ento:5510](#), [KNWR:Ento:5664](#), [KNWR:Ento:5839](#), [KNWR:Ento:5882](#), [KNWR:Ento:6206](#), [KNWR:Ento:6207](#)**Family Miridae****Calocoris fulvomaculatus**ARCTOS RECORDS: [KNWR:Ento:3497](#)**Irbisia sericans**ARCTOS RECORDS: [KNWR:Ento:1835](#), [KNWR:Ento:1836](#), [KNWR:Ento:1837](#)**Lygocoris pabulinus**ARCTOS RECORDS: [KNWR:Ento:8518](#), [KNWR:Ento:8519](#), [KNWR:Ento:8520](#), [KNWR:Ento:8521](#)**Lygus borealis****Lygus lupini****Lygus punctatus****Lygus rugulipennis****Lygus shulli****Lygus striatus****Plagiognathus alboradialis**ARCTOS RECORDS: [KNWR:Ento:3498](#), [KNWR:Ento:3923](#)**Stenodema trispinosum**ARCTOS RECORDS: [KNWR:Ento:1408](#), [KNWR:Ento:1409](#), [KNWR:Ento:3457](#), [KNWR:Ento:5768](#), [KNWR:Ento:5769](#) INATURALIST OBSERVATIONS: [2420866](#)**Family Ortheziidae****Arctorthezia cataphracta**ARCTOS RECORDS: [KNWR:Ento:8892](#)**Family Pentatomidae****Neottiglossa undata**ARCTOS RECORDS: [UAM:Ento:150609](#)**Family Psyllidae****Aphalara nubifera ?**ARCTOS RECORDS: [KNWR:Ento:10631](#), [KNWR:Ento:10632](#)**Cacopsylla rara**ARCTOS RECORDS: [KNWR:Ento:7025](#)**Craspedolepta alaskensis****Craspedolepta nebulosa**ARCTOS RECORDS: [KNWR:Ento:1842](#)**Craspedolepta subpunctata**ARCTOS RECORDS: [KNWR:Ento:1208](#), [KNWR:Ento:1419](#), [KNWR:Ento:1573](#), [KNWR:Ento:1637](#), [KNWR:Ento:1762](#), [KNWR:Ento:1808](#), [KNWR:Ento:2253](#), [KNWR:Ento:2425](#), [KNWR:Ento:2430](#), [KNWR:Ento:2650](#), [KNWR:Ento:3302](#), [KNWR:Ento:3416](#), [KNWR:Ento:3417](#), [KNWR:Ento:3495](#), [KNWR:Ento:3638](#), [KNWR:Ento:3658](#), [KNWR:Ento:3830](#), [KNWR:Ento:3961](#), [KNWR:Ento:4784](#), [UAM:Ento:184680](#), [UAM:Ento:184681](#), [UAM:Ento:184682](#), [UAM:Ento:184683](#), [UAM:Ento:184684](#), [UAM:Ento:184685](#), [UAM:Ento:184686](#), [UAM:Ento:184687](#), [UAM:Ento:184722](#)**Psylla minor**ARCTOS RECORDS: [KNWR:Ento:1646](#)**Family Rhyparochromidae****Eremocoris borealis**

COMMON NAMES: Dirt-colored seed bug

**Ligyrocorys sylvestris**ARCTOS RECORDS: [KNWR:Ento:10283](#)**Peritrechus convivus**ARCTOS RECORDS: [KNWR:Ento:10356](#)**Family Scutelleridae****Homaemus aeneifrons**

COMMON NAMES: A shield-backed bug

## Order Hymenoptera

### Family Andrenidae

#### *Andrena clarkella*

ARCTOS RECORDS: [KNWR:Ento:8381](#)

### Family Apidae

#### †*Apis mellifera*

COMMON NAMES: European honey bee

ARCTOS RECORDS: [KNWR:Ento:10639](#)

#### *Bombus occidentalis*

COMMON NAMES: Western bumble bee

ARCTOS RECORDS: [KNWR:Ento:2800](#)

#### *Bombus sylvicola*

COMMON NAMES: Forest bumble bee

ARCTOS RECORDS: [KNWR:Ento:1962](#), [KNWR:Ento:2497](#), [KNWR:Ento:2598](#), [KNWR:Ento:2770](#)

### Family Argidae

#### *Arge cyra*

COMMON NAMES: Elm sawfly

ARCTOS RECORDS: [KNWR:Ento:1627](#), [KNWR:Ento:7036](#)

### Family Braconidae

#### *Aleiodes 1mjs bold:aaa7795*

#### *Aphidius ervi*

ARCTOS RECORDS: [KNWR:Ento:1529](#), [KNWR:Ento:2531](#), [KNWR:Ento:3413](#), [UAM:Ento:97828](#)

#### *Colastes sp. bold:aah7214*

#### *Dacnusa sp. bold:aca7170*

COMMON NAMES: A braconid wasp

#### *Dacnusa sp. bold:acg7033*

COMMON NAMES: A braconid wasp

#### *Dinotrema sp. bold:abz5628*

#### *Ephedrus incompletus*

ARCTOS RECORDS: [KNWR:Ento:1608](#), [UAM:Ento:97832](#)

#### *Ephedrus lacertosus*

ARCTOS RECORDS: [KNWR:Ento:1993](#), [KNWR:Ento:2285](#), [UAM:Ento:97831](#)

#### *Monoctonus sp. bold:aal4464*

#### *Opius sp. bold:aaf8735*

#### *Opius sp. bold:aca7077*

#### *Orthostigma sp. bold:aah3182*

#### *Orthostigma sp. bold:acg6980*

#### *Phaenocarpa sp. bold:aae6216*

#### *Phaenocarpa sp. bold:aag1223*

#### *Praon occidentale*

ARCTOS RECORDS: [KNWR:Ento:2851](#), [UAM:Ento:97836](#)

#### *Praon sp. bold:abz6335*

### Family Chrysididae

#### *Omalus aenus*

ARCTOS RECORDS: [KNWR:Ento:8382](#)

### Family Cimbicidae

#### *Cimbex americana*

COMMON NAMES: Elm sawfly

#### *Trichiosoma triangulum*

COMMON NAMES: A sawfly

### Family Crabronidae

#### *Crabro latipes*

ARCTOS RECORDS: [KNWR:Ento:8386](#)

### Family Diapriidae

#### *Spilomicrus stigmaticalis*

ARCTOS RECORDS: [KNWR:Ento:2805](#)

### Family Dryinidae

#### *Aphelopus albopictus*

ARCTOS RECORDS: [KNWR:Ento:2804](#), [UAM:Ento:96673](#)

#### *Gonatopus ashmeadi*

ARCTOS RECORDS: [UAM:Ento:96674](#)

### Family Eurytomidae

#### *Eurytoma sp. bold:aav3982*

BOLD RECORDS: [MOBIL1248-16](#)

#### *Eurytoma sp. bold:acg6990*

ARCTOS RECORDS: [KNWR:Ento:3415](#)

### Family Figitidae

#### *Alloxysta vicenti*

ARCTOS RECORDS: [KNWR:Ento:1518](#), [UAMObs:Ento:231439](#)

#### *Phaenoglyphis kenaii*

ARCTOS RECORDS: [KNWR:Ento:1994](#), [KNWR:Ento:4039](#), [UAMObs:Ento:231440](#)

### Family Formicidae

#### *Camponotus herculeanus*

ARCTOS RECORDS: [KNWR:Ento:1710](#), [KNWR:Ento:4502](#), [KNWR:Ento:6791](#), [UAM:Ento:125245](#), [UAM:Ento:125246](#), [UAM:Ento:125247](#)

#### *Formica aserva*

ARCTOS RECORDS: [KNWR:Ento:10268](#), [KNWR:Ento:10269](#), [KNWR:Ento:3378](#)

#### *Formica gagatoides*

ARCTOS RECORDS: [KNWR:Ento:2456](#), [KNWR:Ento:2457](#), [KNWR:Ento:2706](#), [KNWR:Ento:2707](#)

#### *Formica neorufibarbis*

ARCTOS RECORDS: [KNWR:Ento:10266](#), [KNWR:Ento:2474](#), [KNWR:Ento:4470](#), [KNWR:Ento:4540](#), [KNWR:Ento:4542](#), [KNWR:Ento:4543](#), [KNWR:Ento:4547](#), [KNWR:Ento:4548](#), [KNWR:Ento:4886](#), [KNWR:Ento:4887](#), [KNWR:Ento:4888](#), [UAM:Ento:125214](#), [UAM:Ento:236684](#), [UAM:Ento:236685](#), [UAM:Ento:236686](#), [UAM:Ento:236687](#), [UAM:Ento:236688](#), [UAM:Ento:236689](#), [UAM:Ento:236690](#), [UAM:Ento:236691](#), [UAM:Ento:236692](#), [UAM:Ento:236693](#), [UAM:Ento:236697](#), [UAM:Ento:236698](#), [UAM:Ento:236699](#), [UAM:Ento:236700](#), [UAM:Ento:236701](#), [UAM:Ento:236702](#), [UAM:Ento:236703](#), [UAM:Ento:236704](#), [UAM:Ento:236705](#), [UAM:Ento:236706](#), [UAM:Ento:236707](#), [UAM:Ento:236708](#), [UAM:Ento:236709](#), [UAM:Ento:236710](#), [UAM:Ento:236711](#), [UAM:Ento:236712](#), [UAM:Ento:236713](#), [UAM:Ento:236714](#), [UAM:Ento:236715](#), [UAM:Ento:236716](#), [UAM:Ento:309088](#)

#### *Leptothorax canadensis*

ARCTOS RECORDS: [KNWR:Ento:1855](#), [KNWR:Ento:3720](#), [KNWR:Ento:3721](#), [KNWR:Ento:3722](#), [KNWR:Ento:3723](#), [KNWR:Ento:3724](#)

**Leptothorax muscorum**

ARCTOS RECORDS: [UAM:Ento:236694](#), [UAM:Ento:236695](#), [UAM:Ento:236696](#)

**Myrmica alaskensis**

ARCTOS RECORDS: [KNWR:Ento:10261](#), [KNWR:Ento:3631](#), [KNWR:Ento:3766](#), [KNWR:Ento:4546](#), [KNWR:Ento:4779](#), [KNWR:Ento:5920](#), [KNWR:Ento:5986](#), [KNWR:Ento:6790](#), [KNWR:Ento:8895](#), [UAM:Ento:125320](#)

**Family Halictidae**

**Lasioglossum behri**

**Family Ichneumonidae**

**Astiphromma leucogrammmum**

**Crypteffigies confusus**

**Diplazon deletus**

**Hadrodactylus seldoviae**

**Lissonota sp. bold:aca7236**

TAXONOMIC NOTES: Our single specimen keyed tentatively to *Lissonota clypeator* using [Townes and Townes \(1978\)](#), but sequence data from this specimen was placed in a different BIN than other records (all European) identified as *Lissonota clypeator* on BOLD.

**Mesochorus gemellus**

**Mesochorus prolatus**

**Netelia sp. bold:aag7738**

**Opheltes glaucopterus**

ARCTOS RECORDS: [KNWR:Ento:7448](#)

**Ophion bilineatus**

**Polyaulon canadensis**

ARCTOS RECORDS: [KNWR:Ento:7330](#)

**Schenkia sp. bold:aaf4451**

**Syrphophilus ichneumonoides**

**Xestopelta vertebrata**

ARCTOS RECORDS: [KNWR:Ento:7967](#)

**Family Megaspilidae**

**Dendrocercus laevis**

ARCTOS RECORDS: [UAM:Ento:124752](#)

**Family Platygastriidae**

**Platygaster obscuripennis**

**Family Pteromalidae**

**Dinotiscus eupterus**

ARCTOS RECORDS: [KNWR:Ento:6154](#)

**Mesopolobus verditer**

ARCTOS RECORDS: [KNWR:Ento:5268](#)

**Family Siricidae**

**Urocercus flavicornis**

ARCTOS RECORDS: [KNWR:Ento:4101](#)

**Family Tenthredinidae**

**Allantus albolabris**

COMMON NAMES: A sawfly

ARCTOS RECORDS: [KNWR:Ento:4230](#)

**Brachythops wuestneii**

ARCTOS RECORDS: [UAM:Ento:149987](#)

**Cladius difformis**

COMMON NAMES: Bristly roseslug sawfly

ARCTOS RECORDS: [UAM:Ento:144697](#)

**Dolerus elderi**

COMMON NAMES: A sawfly

ARCTOS RECORDS: [KNWR:Ento:4391](#)

**Dolerus gilvipes**

COMMON NAMES: A sawfly

ARCTOS RECORDS: [KNWR:Ento:4506](#), [KNWR:Ento:6668](#)

**Dolerus yukonensis**

ARCTOS RECORDS: [KNWR:Ento:3892](#)

**Empria ignota**

COMMON NAMES: A sawfly

**Empria improba**

COMMON NAMES: A sawfly

ARCTOS RECORDS: [KNWR:Ento:3236](#)

**Empria maculata**

COMMON NAMES: A sawfly

ARCTOS RECORDS: [KNWR:Ento:4061](#)

**†Eriocampa ovata**

COMMON NAMES: Alder woolly sawfly

**Hoplocampa idaho**

COMMON NAMES: A sawfly

ARCTOS RECORDS: [KNWR:Ento:2802](#), [UAM:Ento:282611](#)

**†Monsoma pulveratum**

COMMON NAMES: Green alder sawfly

**Pristiphora cincta**

ARCTOS RECORDS: [KNWR:Ento:3510](#)

**Pristiphora lativentris**

COMMON NAMES: A sawfly

ARCTOS RECORDS: [KNWR:Ento:8362](#)

**Pristiphora mollis**

COMMON NAMES: A sawfly

ARCTOS RECORDS: [KNWR:Ento:2715](#), [KNWR:Ento:3715](#)

**Pristiphora staudingeri**

COMMON NAMES: A sawfly

ARCTOS RECORDS: [KNWR:Ento:1980](#)

**Profenusa thomsoni**

COMMON NAMES: Amber-marked birch leaf miner

**Rhogogaster viridis**

ARCTOS RECORDS: [KNWR:Ento:1437](#), [KNWR:Ento:3921](#)

**Family Torymidae**

**Megastigmus atedius**

ARCTOS RECORDS: [KNWR:Ento:3521](#), [KNWR:Ento:3608](#), [KNWR:Ento:4941](#)

**Pseudotorymus sp. bold:acr9193**

ARCTOS RECORDS: [KNWR:Ento:5355](#)

**Torymus cecidomyiae**

ARCTOS RECORDS: [KNWR:Ento:8379](#)

**Torymus longistigmus**

ARCTOS RECORDS: [KNWR:Ento:5666](#)

**Torymus sp. bold:ada9168**BOLD RECORDS: [MOBIL1213-16](#), [MOBIL1214-16](#)**Family Vespidae****Ancistrocerus waldenii**ARCTOS RECORDS: [UAM:Ento:124950](#)**Dolichovespula albida**ARCTOS RECORDS: [KNWR:Ento:8145](#)**Dolichovespula arctica**ARCTOS RECORDS: [UAM:Ento:124963](#)**Dolichovespula arenaria**

COMMON NAMES: Aerial yellowjacket

ARCTOS RECORDS: [KNWR:Ento:7961](#)**Vespula alascensis**

COMMON NAMES: Common yellowjacket

ARCTOS RECORDS: [KNWR:Ento:8888](#)**Vespula infernalis**SYNONYMS: *Vespula austriaca*ARCTOS RECORDS: [KNWR:Ento:7215](#)**Order Lepidoptera****Family Arctiidae****Platarctia parthenos**

COMMON NAMES: St. lawrence tiger moth

ARCTOS RECORDS: [KNWR:Ento:10496](#)**Family Coleophoridae****Coleophora canadensisella****Mompha sexstrigella**ARCTOS RECORDS: [KNWR:Ento:4037](#)**Mompha sp. bold:aay9167**BOLD RECORDS: [MOBIL1402-16](#)**Family Crambidae****Gesneria centuriella**ARCTOS RECORDS: [KNWR:Ento:8477](#)**Udea washingtonalis**ARCTOS RECORDS: [KNWR:Ento:6825](#)**Family Erebidae****Hypenodes palustris**ARCTOS RECORDS: [KNWR:Ento:3864](#)**Family Gelechiidae****Carpatolechia proximella**ARCTOS RECORDS: [KNWR:Ento:3300](#), [KNWR:Ento:3540](#), [KNWR:Ento:3863](#)**Prolita sexpunctella**ARCTOS RECORDS: [KNWR:Ento:4389](#)**Family Geometridae****Archiearis infans**

COMMON NAMES: Infant geometer

**Aspitates orciferarius**ARCTOS RECORDS: [KNWR:Ento:10677](#), [KNWR:Ento:10678](#)**Cabera exanthemata**ARCTOS RECORDS: [KNWR:Ento:3800](#), [KNWR:Ento:4079](#)**Campaea perlata**

COMMON NAMES: Fringed looper

ARCTOS RECORDS: [KNWR:Ento:7163](#), [KNWR:Ento:7314](#)**Cladara limitaria**ARCTOS RECORDS: [KNWR:Ento:11054](#)**Ecliptopera silacaeta****Epirrita undulata**ARCTOS RECORDS: [KNWR:Ento:7423](#)**Eulithis propulsata**ARCTOS RECORDS: [KNWR:Ento:7337](#), [UAM:Ento:132392](#)**Eupithecia sharronata**ARCTOS RECORDS: [KNWR:Ento:2771](#)**Lycia rachelae**ARCTOS RECORDS: [KNWR:Ento:10862](#)**Lycia ursaria**ARCTOS RECORDS: [KNWR:Ento:10946](#)**Operophtera bruceata**

COMMON NAMES: Bruce spanworm

ARCTOS RECORDS: [KNWR:Ento:7353](#)**Plemyria georgii**ARCTOS RECORDS: [KNWR:Ento:7415](#)**Rheumaptera hastata**

COMMON NAMES: Spearmarked black moth

ARCTOS RECORDS: [KNWR:Ento:6816](#), [KNWR:Ento:6817](#)**Rheumaptera subhastata****Scopula frigidaria**ARCTOS RECORDS: [KNWR:Ento:6819](#)**Spargania luctuata**

COMMON NAMES: White-banded carpet

ARCTOS RECORDS: [KNWR:Ento:6818](#)**Trichodezia albivittata**

COMMON NAMES: White-striped black

**Xanthorhoe decoloraria****Xanthorhoe ferrugata**

COMMON NAMES: Dark-barred twin-spot carpet

**Xanthorhoe fossaria**ARCTOS RECORDS: [KNWR:Ento:6821](#), [KNWR:Ento:6822](#), [KNWR:Ento:6823](#)**Family Gracillariidae****Caloptilia sp. bold:aad2622****Family Hesperidae****Carterocephalus palaemon**

COMMON NAMES: Arctic skipper

ARCTOS RECORDS: [KNWR:Ento:6829](#), [KNWR:Ento:7701](#), [KWP:Ento:52570](#)**Family Lasiocampidae****Phyllodesma americana**ARCTOS RECORDS: [KNWR:Ento:4584](#)**Family Lycaenidae****Agriades glandon**ARCTOS RECORDS: [KWP:Ento:56985](#), [KWP:Ento:56986](#)**Agriades optilete**ARCTOS RECORDS: [KWP:Ento:52201](#)



**Celastrina lucia**

ARCTOS RECORDS: [KNWR:Ento:7017](#), [KWP:Ento:42050](#), [KWP:Ento:42051](#), [KWP:Ento:42052](#), [KWP:Ento:42053](#), [KWP:Ento:42054](#)

**Glaucopsyche lygdamus**

COMMON NAMES: Silvery blue

ARCTOS RECORDS: [KWP:Ento:56842](#) INATURALIST OBSERVATIONS: [1636102](#)

**Icaricia saepiolus**

ARCTOS RECORDS: [KWP:Ento:56915](#)

**Lycaena dorcas**

ARCTOS RECORDS: [KNWR:Ento:10630](#), [KWP:Ento:56780](#)

**Plebejus idas**

COMMON NAMES: Northern blue

**Family Lymantriidae****Orgyia antiqua**

COMMON NAMES: Rusty tussock moth

**Family Noctuidae****Acronicta menyanthidis**

COMMON NAMES: Light knot grass

ARCTOS RECORDS: [KNWR:Ento:6796](#)

**Alypia langtoni**

ARCTOS RECORDS: [KNWR:Ento:10635](#)

**Diarsia esurialis**

ARCTOS RECORDS: [KNWR:Ento:6812](#), [KNWR:Ento:6813](#)

**Diarsia rosaria**

ARCTOS RECORDS: [KNWR:Ento:6814](#), [KNWR:Ento:6815](#)

**Lacanobia nevade****Lithomoia germana**

ARCTOS RECORDS: [KNWR:Ento:7354](#)

**†Noctua pronuba**

COMMON NAMES: Large yellow underwing

ARCTOS RECORDS: [KNWR:Ento:7355](#)

**Sunira verberata**

COMMON NAMES: Battered sawfly moth

ARCTOS RECORDS: [KNWR:Ento:7424](#), [KNWR:Ento:7425](#)

**Xestia c-nigrum**

COMMON NAMES: Spotted cutworm

ARCTOS RECORDS: [KNWR:Ento:7336](#)

**Xestia homogena**

ARCTOS RECORDS: [KNWR:Ento:7335](#), [KNWR:Ento:7447](#)

**Xestia tecta**

ARCTOS RECORDS: [KNWR:Ento:7446](#)

**Xylena thoracica**

COMMON NAMES: A swordgrass moth

ARCTOS RECORDS: [KNWR:Ento:8499](#)

**Xylotype acadia**

COMMON NAMES: Acadian sawfly

**Family Notodontidae****Furcula occidentalis****Pheosia rimosa**

COMMON NAMES: Black-rimmed prominent moth

ARCTOS RECORDS: [KNWR:Ento:7193](#), [UAM:Ento:228334](#)

**Family Nymphalidae****Aglais milberti**

COMMON NAMES: Milbert's tortoiseshell

ARCTOS RECORDS: [KNWR:Ento:10683](#), [KNWR:Ento:10684](#), [KWP:Ento:56792](#), [KWP:Ento:56793](#), [KWP:Ento:56794](#), [KWP:Ento:56795](#), [KWP:Ento:56796](#), [KWP:Ento:56818](#), [KWP:Ento:56836](#), [KWP:Ento:56848](#), [KWP:Ento:56868](#), [KWP:Ento:57066](#) INATURALIST OBSERVATIONS: [1157608](#)

**Boloria chariclea**

COMMON NAMES: Arctic fritillary

ARCTOS RECORDS: [KWP:Ento:48307](#), [KWP:Ento:56961](#), [KWP:Ento:56962](#), [KWP:Ento:56963](#), [KWP:Ento:56987](#), [KWP:Ento:56988](#), [KWP:Ento:57369](#), [KWP:Ento:57393](#)

**Boloria freija**

COMMON NAMES: Freija fritillary

ARCTOS RECORDS: [KWP:Ento:42234](#), [KWP:Ento:57367](#), [KWP:Ento:57368](#), [KWP:Ento:57392](#)

**Boloria selene**

COMMON NAMES: Silverbordered fritillary

ARCTOS RECORDS: [KWP:Ento:52202](#), [KWP:Ento:52203](#), [KWP:Ento:52204](#)

**Coenonympha tullia**

ARCTOS RECORDS: [KWP:Ento:52205](#), [KWP:Ento:57010](#), [KWP:Ento:57370](#)

**Nymphalis antiopa**

COMMON NAMES: Mourningcloak butterfly

ARCTOS RECORDS: [KNWR:Ento:10675](#), [KWP:Ento:56799](#), [KWP:Ento:56800](#), [KWP:Ento:56801](#), [KWP:Ento:56802](#), [KWP:Ento:56813](#), [KWP:Ento:56814](#), [KWP:Ento:56866](#), [KWP:Ento:56867](#)

**Oeneis bore**

COMMON NAMES: Bore arctic

ARCTOS RECORDS: [KWP:Ento:56314](#), [KWP:Ento:56315](#), [KWP:Ento:56316](#), [KWP:Ento:56317](#)

**Oeneis polixenes**

COMMON NAMES: Polixenes arctic

ARCTOS RECORDS: [KWP:Ento:57371](#), [KWP:Ento:57372](#), [KWP:Ento:57391](#)

**Polygonia faunus**

COMMON NAMES: Green comma

ARCTOS RECORDS: [KNWR:Ento:10664](#), [KWP:Ento:56798](#), [KWP:Ento:56819](#), [KWP:Ento:56820](#), [KWP:Ento:56821](#), [KWP:Ento:56822](#), [KWP:Ento:56823](#), [KWP:Ento:56824](#), [KWP:Ento:56825](#), [KWP:Ento:56838](#), [KWP:Ento:56839](#), [KWP:Ento:56843](#), [KWP:Ento:56844](#), [KWP:Ento:56845](#), [KWP:Ento:56846](#), [KWP:Ento:56847](#), [KWP:Ento:56849](#), [KWP:Ento:56933](#), [KWP:Ento:57065](#) INATURALIST OBSERVATIONS: [1362605](#)

**Speyeria mormonia**

COMMON NAMES: Mormon fritillary

ARCTOS RECORDS: [KWP:Ento:48308](#), [KWP:Ento:56960](#), [KWP:Ento:56990](#)

**Family Papilionidae****Papilio canadensis**

COMMON NAMES: Canadian tiger swallowtail

ARCTOS RECORDS: [KNWR:Ento:10495](#), [KWP:Ento:56816](#), [KWP:Ento:56840](#), [KWP:Ento:56841](#), [KWP:Ento:56860](#), [KWP:Ento:56861](#)

**Papilio machaon**

COMMON NAMES: Old world swallowtail

ARCTOS RECORDS: [KWP:Ento:52200](#), [KWP:Ento:57348](#)

**Parnassius phoebus**

ARCTOS RECORDS: [KNWR:Ento:10636](#)

**Family Pieridae****Colias nastes**

COMMON NAMES: Labrador sulphur

ARCTOS RECORDS: [KNWR:Ento:10662](#), [KWP:Ento:56984](#), [KWP:Ento:56989](#)**Colias philodice**

COMMON NAMES: Clouded sulphur

ARCTOS RECORDS: [KNWR:Ento:10670](#), [KWP:Ento:56775](#), [KWP:Ento:56776](#), [KWP:Ento:56777](#), [KWP:Ento:56778](#), [KWP:Ento:56779](#), [KWP:Ento:56797](#), [KWP:Ento:57038](#), [KWP:Ento:57039](#), [KWP:Ento:57056](#), [KWP:Ento:57057](#), [KWP:Ento:57058](#), [KWP:Ento:57059](#), [KWP:Ento:57060](#), [KWP:Ento:57061](#), [KWP:Ento:57080](#), [KWP:Ento:57081](#), [KWP:Ento:57082](#)**Euchloe ausonides**ARCTOS RECORDS: [KWP:Ento:56817](#), [KWP:Ento:56913](#), [KWP:Ento:56914](#)**Pieris marginalis complex**ARCTOS RECORDS: [KNWR:Ento:10038](#), [KNWR:Ento:10039](#), [KNWR:Ento:10040](#), [KNWR:Ento:10041](#), [KNWR:Ento:8350](#), [KWP:Ento:47618](#), [KWP:Ento:47695](#), [KWP:Ento:50672](#), [KWP:Ento:56837](#), [KWP:Ento:56862](#), [KWP:Ento:56863](#), [KWP:Ento:56864](#), [KWP:Ento:56865](#), [KWP:Ento:56885](#), [KWP:Ento:56886](#), [KWP:Ento:56887](#), [KWP:Ento:56888](#), [KWP:Ento:56889](#), [KWP:Ento:56890](#), [KWP:Ento:56891](#), [KWP:Ento:56910](#), [KWP:Ento:56911](#), [KWP:Ento:56912](#), [KWP:Ento:56934](#), [KWP:Ento:56935](#), [KWP:Ento:56936](#), [KWP:Ento:56937](#), [KWP:Ento:56938](#), [KWP:Ento:56939](#), [KWP:Ento:56964](#), [KWP:Ento:56965](#), [KWP:Ento:57064](#), [KWP:Ento:57349](#)**Family Pterophoridae****Amblyptilia pica**ARCTOS RECORDS: [KNWR:Ento:10638](#), [KNWR:Ento:10642](#), [KNWR:Ento:10643](#)**Gillmeria pallidactyla**

COMMON NAMES: A plume moth.

**Hellinsia brucei**ARCTOS RECORDS: [UAM:Ento:242234](#)**Family Sesiidae****Albuna pyramidalis**

COMMON NAMES: Fireweed clearwing moth

**Family Tortricidae****Acleris arctica**ARCTOS RECORDS: [KNWR:Ento:7433](#)**Ancylis tineana**ARCTOS RECORDS: [KNWR:Ento:3395](#)**Argyrotaenia occultana**ARCTOS RECORDS: [KNWR:Ento:4687](#)**Clepsia moeschleriana**ARCTOS RECORDS: [KNWR:Ento:2616](#)**Clepsia persicana**

COMMON NAMES: White-triangle tortrix moth

ARCTOS RECORDS: [KNWR:Ento:10489](#), [KNWR:Ento:10490](#), [KNWR:Ento:10491](#), [KNWR:Ento:10492](#)**Clepsia virescana****Cydia piperana**ARCTOS RECORDS: [KNWR:Ento:6457](#), [UAM:Ento:95347](#)**Epinotia solandriana**

COMMON NAMES: Birch-aspen leafroller moth

ARCTOS RECORDS: [KNWR:Ento:7429](#), [KNWR:Ento:7432](#)**Epinotia trigonella**ARCTOS RECORDS: [KNWR:Ento:7431](#)**Eulia ministrana**ARCTOS RECORDS: [KNWR:Ento:6824](#)**Hystriophora asphodelana**ARCTOS RECORDS: [KNWR:Ento:2617](#)**Metendothenia atropunctana**ARCTOS RECORDS: [KNWR:Ento:4155](#)**Family Yponomeutidae****Rhigognostis interrupta****Swammerdamia caesiella**ARCTOS RECORDS: [KNWR:Ento:3299](#)**Order Neuroptera****Family Chrysopidae****Chrysopa chi****Family Coniopterygidae****Coniopteryx tineiformis**ARCTOS RECORDS: [KNWR:Ento:2086](#), [KNWR:Ento:3598](#), [KNWR:Ento:4409](#)**Helicoconis sp.**

TAXONOMIC NOTES: Specimens have been loaned to James E. Johnson (University of Idaho) for identification.

**Family Hemerobiidae****Micromus postichus****Order Odonata****Family Aeshnidae****Aeshna eremita**

COMMON NAMES: Lake darner

ARCTOS RECORDS: [KNWR:Ento:8948](#)**Aeshna interrupta**

COMMON NAMES: Variable darner

ARCTOS RECORDS: [KNWR:Ento:8608](#)**Aeshna juncea**

COMMON NAMES: Sedge darner

**Aeshna palmata**

COMMON NAMES: Paddle-tailed darner

INATURALIST OBSERVATIONS: [117214](#)**Aeshna septentrionalis**

COMMON NAMES: Azure darner

ARCTOS RECORDS: [KNWR:Ento:1563](#)**Aeshna sitchensis**

COMMON NAMES: Zigzag darner

INATURALIST OBSERVATIONS: [115153](#)**Aeshna subarctica**

COMMON NAMES: Subarctic darner

INATURALIST OBSERVATIONS: [115152](#)**Family Coenagrionidae****Coenagrion resolutum**

COMMON NAMES: Taiga bluet

ARCTOS RECORDS: [KNWR:Ento:1709](#)



**Enallagma annexum**

COMMON NAMES: Northern bluet

ARCTOS RECORDS: [UAM:Ento:238864](#), [UAM:Ento:238871](#), [UAM:Ento:238872](#)**Enallagma boreale**

COMMON NAMES: Boreal bluet

**Family Corduliidae****Cordulia shurtleffii**

COMMON NAMES: American emerald

ARCTOS RECORDS: [KNWR:Ento:7007](#), [UAM:Ento:238874](#) INATURALIST OBSERVATIONS: [1558320](#)**Somatochlora albicincta**

COMMON NAMES: Ringed emerald

ARCTOS RECORDS: [KNWR:Ento:10795](#), [UAM:Ento:238867](#)**Family Lestidae****Lestes disjunctus**

COMMON NAMES: Common spreadwing

ARCTOS RECORDS: [KNWR:Ento:10637](#)**Family Libellulidae****Leucorrhinia hudsonica**

COMMON NAMES: Hudsonian whiteface

INATURALIST OBSERVATIONS: [799852](#)**Leucorrhinia patricia**

COMMON NAMES: Canada whiteface

ARCTOS RECORDS: [KNWR:Ento:7005](#)**Leucorrhinia proxima**

COMMON NAMES: Red-waisted whiteface

ARCTOS RECORDS: [UAM:Ento:238865](#)**Libellula quadrimaculata**

COMMON NAMES: Four-spotted skimmer

ARCTOS RECORDS: [UAM:Ento:238866](#), [UAM:Ento:238868](#)**Sympetrum danae**

COMMON NAMES: Black meadowhawk

ARCTOS RECORDS: [KNWR:Ento:10674](#), [KNWR:Ento:8512](#) INATURALIST OBSERVATIONS: [117205](#), [117221](#), [117222](#)**Order Orthoptera****Family Acrididae****Chorthippus curtipennis**ARCTOS RECORDS: [KNWR:Ento:8513](#), [KNWR:Ento:8514](#)**Melanoplus fasciatus**ARCTOS RECORDS: [KNWR:Ento:8515](#)**Order Plecoptera****Family Capniidae****Capnia confusa**LITERATURE RECORDS: [Stewart and Oswood \(2006\)](#) ARCTOS RECORDS: [UAMObs:Ento:100682](#), [UAMObs:Ento:100685](#), [UAMObs:Ento:100686](#)**Eucapnopsis brevicauda**LITERATURE RECORDS: [Stewart and Oswood \(2006\)](#) ARCTOS RECORDS: [UAMObs:Ento:100735](#), [UAMObs:Ento:100736](#)**Utacapnia columbiana**

COMMON NAMES: A winter stonefly

ARCTOS RECORDS: [KNWR:Ento:7002](#), [UAMObs:Ento:100827](#), [UAMObs:Ento:100828](#)**Family Chloroperlidae****Alloperla severa**LITERATURE RECORDS: [Stewart and Oswood \(2006\)](#)**Plumiperla diversa**LITERATURE RECORDS: [Stewart and Oswood \(2006\)](#) ARCTOS RECORDS: [UAMObs:Ento:101348](#), [UAMObs:Ento:101349](#)**Suwallia forcipata**

SYNONYMS: Neaviperla forcipata

**Family Perlodidae****Isoperla petersoni**LITERATURE RECORDS: [Stewart and Oswood \(2006\)](#) ARCTOS RECORDS: [UAMObs:Ento:101626](#), [UAMObs:Ento:101629](#), [UAMObs:Ento:102056](#)**Family Pteronarcyidae****Pteronarcella badia**ARCTOS RECORDS: [UAMObs:Ento:101774](#), [UAMObs:Ento:101775](#)**Order Psocodoea****Family Caeciliusidae****Valenzuela flavidus**

SYNONYMS: Caecilius flavidus

COMMON NAMES: A bark louse

ARCTOS RECORDS: [KNWR:Ento:6760](#), [KNWR:Ento:6397](#)**Family Liposcelididae****Liposcelis corrodens**

COMMON NAMES: A book louse

**Family Philopteridae****Ornithobius waterstoni**

COMMON NAMES: A bird louse

ARCTOS RECORDS: [KNWR:Ento:6805](#)**Family Psyllipsocidae****†Dorypteryx domestica**ARCTOS RECORDS: [KNWR:Ento:11081](#)**Family Sphaeropsocidae****†Badonnelia titei**ARCTOS RECORDS: [KNWR:Ento:8742](#), [KNWR:Ento:8783](#), [UAMObs:Ento:11779](#)**Family Trichodectidae****†Trichodectes canis**

COMMON NAMES: Dog louse

**Order Siphonaptera****Family Ceratophyllidae****Ceratophyllus niger**

COMMON NAMES: Black hen flea

ARCTOS RECORDS: [KNWR:Ento:6522](#)**Megabothris calcarifer****Orchopeas caedens****Thrassis spenceri****Family Hystrichopsyllidae**

**Catallagia charlottensis****Family Leptosyllidae****Amphipsylla pollionis**ARCTOS RECORDS: [KNWR:Ento:6396](#)**Peromyscopsylla ostsibirica****Family Pulicidae****Euhoplopsyllus glacialis****Family Vermipsyllidae****Chaetopsylla tuberculiceps****Order Thysanoptera****Family Thripidae****Taeniothrips orionis**BOLD RECORDS: [RFTHY133-10](#)**Order Trichoptera****Family Leptoceridae****Mystacides alafimbriatus**ARCTOS RECORDS: [KNWR:Ento:8731](#)**Oecetis inconspicua**ARCTOS RECORDS: [KNWR:Ento:7435](#)**Family Limnephilidae****Limnephilus dispar**ARCTOS RECORDS: [KNWR:Ento:5346](#), [KNWR:Ento:5347](#), [KNWR:Ento:5348](#)**Limnephilus externus**ARCTOS RECORDS: [KNWR:Ento:8732](#)**Limnephilus sericeus**ARCTOS RECORDS: [KNWR:Ento:10796](#)**Nemotaulius hostilis**ARCTOS RECORDS: [KNWR:Ento:7947](#)**Philarctus quaeris**ARCTOS RECORDS: [KNWR:Ento:10726](#)**Family Phryganeidae****Agrypnia glacialis**ARCTOS RECORDS: [KNWR:Ento:10794](#)**Banksiola crotchi****Phryganea cinerea**ARCTOS RECORDS: [KNWR:Ento:7946](#), [KNWR:Ento:8527](#), [KNWR:Ento:8528](#), [KNWR:Ento:8529](#), [KNWR:Ento:8530](#), [KNWR:Ento:8531](#), [KNWR:Ento:8532](#), [KNWR:Ento:8533](#), [KNWR:Ento:8534](#), [KNWR:Ento:8535](#), [KNWR:Ento:8536](#), [KNWR:Ento:8538](#), [KNWR:Ento:8539](#), [KNWR:Ento:8540](#), [KNWR:Ento:8541](#)**Class Malacostraca****Order Amphipoda****Family Gammaridae****Gammarus lacustris**BOLD RECORDS: [NJCGS1177-11](#)**Class Maxillopoda****Order Calanoida****Family Diaptomidae****Diaptomus pribilofensis**LITERATURE RECORDS: [Kyle \(1992\)](#)**Order Cyclopoida****Family Cyclopidae****Cyclops columbianus**LITERATURE RECORDS: [Kyle \(1992\)](#)**Cyclops strenuus**EZIDS: [65665/3ca80a4dd-9f67-4632-a767-4239c619e05d](#)**Order Poecilostomatoida****Family Ergasilidae****Thersitina gasterostei**ARCTOS RECORDS: [KNWR:Ento:10787](#)**Order Siphonostomatoida****Family Lernaeopodidae****Salmincola californiensis**ARCTOS RECORDS: [KNWR:Ento:10786](#)**Phylum Cnidaria****Class Hydrozoa****Order Anthoathecatae****Family Hydridae****Hydra hymanae**BOLD RECORDS: [MOBIL1659-16](#)**Phylum Mollusca****Class Bivalvia****Order Unionoida****Family Unionidae****Anodonta beringiana**

COMMON NAMES: Yukon floater

**Order Veneroida****Family Pisidiidae****Pisidium sp.**ARCTOS RECORDS: [KNWR:Ento:10482](#), [KNWR:Ento:10781](#)**Family Tellinidae****Macoma balthica**

COMMON NAMES: Baltic macoma

**Class Gastropoda****Order Basommatophora****Family Lymnaeidae****†Radix auricularia**iNATURALIST OBSERVATIONS: [3672932](#)**Stagnicola elodes**ARCTOS RECORDS: [KNWR:Ento:10865](#)**Order Stylommatophora****Family Discidae****Discus whitneyi**

COMMON NAMES: Forest snail

ARCTOS RECORDS: [KNWR:Ento:6114](#), [KNWR:Ento:6809](#)**Family Limacidae****†Deroceras reticulatum**

COMMON NAMES: Gray garden slug

ARCTOS RECORDS: [KNWR:Ento:8635](#)**Family Pupillidae****Columella columella**

COMMON NAMES: Mellow column

ARCTOS RECORDS: [KNWR:Ento:5515](#)**Family Valloniidae****Zoogenetes harpa**

COMMON NAMES: Boreal top

ARCTOS RECORDS: [KNWR:Ento:5629](#)**Phylum Platyhelminthes****Class Cestoda****Order Pseudophyllidea****Family Diphyllobothriidae****Schistocephalus solidus**LITERATURE RECORDS: [Sprehn et al. \(2015\)](#) iNATURALIST OBSERVATIONS: [4168295](#)**Phylum Tardigrada****Class Eutardigrada****Order Parachela****Family Macrobiotidae****Macrobiotus sp.**LITERATURE RECORDS: [Brassfield \(2016\)](#)**Vascular Plants****Division Tracheophyta****Class Equisetopsida****Order Equisetales****Family Equisetaceae****Equisetum arvense**

COMMON NAMES: Field horsetail

ARCTOS RECORDS: [KNWR:Herb:1455](#)**Equisetum fluviatile**

COMMON NAMES: Water horsetail

ARCTOS RECORDS: [KNWR:Herb:1454](#)**Equisetum hyemale**

COMMON NAMES: Scouringrush horsetail

**Equisetum palustre**

COMMON NAMES: Marsh horsetail

**Equisetum pratense**

COMMON NAMES: Meadow horsetail

**Equisetum sylvaticum**

COMMON NAMES: Woodland horsetail

**Equisetum variegatum**

COMMON NAMES: Variegated scouringrush

ARCTOS RECORDS: [UAM:Herb:57363](#) iNATURALIST OBSERVATIONS: [4049603](#)**Class Lycopodiopsida****Order Isoetales****Family Isoetaceae****Isoetes echinospora**

COMMON NAMES: Quillwort

ARCTOS RECORDS: [UAM:Herb:4657](#), [UAM:Herb:5391](#)**Isoetes maritima**ARCTOS RECORDS: [UAM:Herb:4655](#)**Order Lycopodiales****Family Lycopodiaceae****Lycopodium alpinum**

COMMON NAMES: Alpine clubmoss

ARCTOS RECORDS: [KNWR:Herb:1459](#)**Lycopodium annotinum**

COMMON NAMES: Stiff clubmoss

**Lycopodium clavatum**

COMMON NAMES: Running clubmoss

**Lycopodium complanatum**

COMMON NAMES: Groundcedar

iNATURALIST OBSERVATIONS: [1290853](#)**Lycopodium lagopus**

COMMON NAMES: One-cone clubmoss

**Class Magnoliopsida****Order Alismatales****Family Araceae****Calla palustris**

COMMON NAMES: Water arum

**Family Juncaginaceae****Triglochin maritima**

COMMON NAMES: Seaside arrowgrass

**Triglochin palustre**

COMMON NAMES: Marsh arrowgrass

**Family Potamogetonaceae**

**Potamogeton gramineus**

COMMON NAMES: Variableleaf pondweed

**Potamogeton natans**

COMMON NAMES: Floating pondweed

ARCTOS RECORDS: [KNWR:Herb:7021](#)**Potamogeton praelongus**

COMMON NAMES: Whitestem pondweed

**Potamogeton pusillus**

COMMON NAMES: Small pondweed

ARCTOS RECORDS: [KNWR:Herb:7015](#)**Potamogeton richardsonii**

COMMON NAMES: Richardson's pondweed

**Potamogeton robbinsii**ARCTOS RECORDS: [KNWR:Herb:10395](#), [KNWR:Herb:7020](#)**Stuckenia filiformis**

COMMON NAMES: Fineleaf pondweed

**Family Scheuchzeriaceae****Scheuchzeria palustris**

COMMON NAMES: Rannoch-rush

**Family Tofieldiaceae****Tofieldia coccinea**

COMMON NAMES: Northern asphodel

**Triantha glutinosa**

COMMON NAMES: Sticky tofieldia

**Order Apiales****Family Apiaceae****Angelica genuflexa**

COMMON NAMES: Kneeling angelica

**Angelica lucida**

COMMON NAMES: Seacoast angelica

**Cicuta douglasii**ARCTOS RECORDS: [UAM:Herb:21623](#)**Cicuta virosa**

COMMON NAMES: Mackenzie's water hemlock

**Conioselinum chinense**

COMMON NAMES: Eastern hemlockparsley

**Heracleum sphondylium**SYNONYMS: *Heracleum lanatum*, *Heracleum maximum*

COMMON NAMES: Cow parsnip

iNATURALIST OBSERVATIONS: [114270](#)**Osmorhiza depauperata**

COMMON NAMES: Bluntseed sweetroot

**Family Araliaceae****Oplopanax horridus**

COMMON NAMES: Devilsclub

iNATURALIST OBSERVATIONS: [115156](#)**Order Asparagales****Family Amaryllidaceae****Allium schoenoprasum**

COMMON NAMES: Wild chives

ARCTOS RECORDS: [KNWR:Herb:1470](#), [KNWR:Herb:666](#)**Family Asparagaceae****Maianthemum stellatum**

COMMON NAMES: Starry false lily of the valley

**Family Iridaceae****Iris setosa**

COMMON NAMES: Beachhead iris

iNATURALIST OBSERVATIONS: [1755002](#)**Family Orchidaceae****Goodyera repens**

COMMON NAMES: Lesser rattlesnake plantain

iNATURALIST OBSERVATIONS: [877795](#)**Listera caurina**

COMMON NAMES: Northwestern twayblade

**Listera cordata**SYNONYMS: *Neottia cordata*

COMMON NAMES: Heartleaf twayblade

ARCTOS RECORDS: [KNWR:Herb:1471](#), [KNWR:Herb:598](#), [KNWR:Herb:663](#)**Malaxis paludosa**

COMMON NAMES: Bog adder's-mouth orchid

ARCTOS RECORDS: [UAM:Herb:20834](#) iNATURALIST OBSERVATIONS: [849755](#)**Peramium decipiens****Platanthera dilatata**

COMMON NAMES: Scentbottle

**Platanthera obtusata**

COMMON NAMES: Bluntleaved orchid

**Spiranthes romanzoffiana**

COMMON NAMES: Hooded lady's tresses

iNATURALIST OBSERVATIONS: [1754992](#)**Order Asterales****Family Asteraceae****Achillea millefolium**

COMMON NAMES: Common yarrow

**Antennaria alpina**

COMMON NAMES: Alpine pussytoes

ARCTOS RECORDS: [KNWR:Herb:734](#)**Antennaria monocephala**

COMMON NAMES: Pygmy pussytoes

ARCTOS RECORDS: [KNWR:Herb:733](#)**Arnica chamissonis**

COMMON NAMES: Chamisso arnica

**Arnica frigida**

COMMON NAMES: Snow arnica

ARCTOS RECORDS: [KNWR:Herb:758](#), [KNWR:Herb:759](#)**Arnica latifolia**

COMMON NAMES: Broadleaf arnica

ARCTOS RECORDS: [KNWR:Herb:10379](#) iNATURALIST OBSERVATIONS: [114285](#)**Arnica lessingii**

COMMON NAMES: Nodding arnica

**Artemisia arctica**SYNONYMS: *Artemisia norvegica*

COMMON NAMES: Boreal sagebrush

ARCTOS RECORDS: [KNWR:Herb:10377](#), [KNWR:Herb:755](#), [KNWR:-Herb:756](#)

**Artemisia tilesii**

COMMON NAMES: Tilesius' wormwood  
iNATURALIST OBSERVATIONS: [2138363](#)

†**Centaurea cyanus**

COMMON NAMES: Cornflower  
iNATURALIST OBSERVATIONS: [4051562](#)

**Chrysanthemum arcticum**

COMMON NAMES: Arctic daisy

†**Cosmos bipinnatus**

COMMON NAMES: Garden cosmos  
iNATURALIST OBSERVATIONS: [4051570](#)

†**Crepis tectorum**

COMMON NAMES: Narrowleaf hawksbeard

**Erigeron acris**

COMMON NAMES: Bitter fleabane

**Erigeron compositus**

COMMON NAMES: Dwarf mountain fleabane  
ARCTOS RECORDS: [KNWR:Herb:10344](#)

**Erigeron humilis**

COMMON NAMES: Arctic alpine fleabane  
ARCTOS RECORDS: [KNWR:Herb:732](#)

**Erigeron peregrinus**

COMMON NAMES: Subalpine fleabane

**Eurybia sibirica**

COMMON NAMES: Arctic aster  
iNATURALIST OBSERVATIONS: [114298](#)

†**Hieracium caespitosum**

COMMON NAMES: Meadow hawkweed

**Hieracium triste**

COMMON NAMES: Woolly hawkweed

†**Hieracium umbellatum**

COMMON NAMES: Narrowleaf hawkweed

†**Leontodon autumnalis**

SYNONYMS: *Scorzoneroides autumnalis*  
COMMON NAMES: Fall dandelion  
iNATURALIST OBSERVATIONS: [3893773](#)

†**Leucanthemum vulgare**

COMMON NAMES: Oxeye daisy

†**Matricaria discoidea**

COMMON NAMES: Disc mayweed  
iNATURALIST OBSERVATIONS: [1790237](#), [1831944](#), [1832182](#)

**Packera cymbalaria**

COMMON NAMES: Dwarf arctic ragwort

**Petasites frigidus**

COMMON NAMES: Arctic sweet coltsfoot

†**Senecio lugens**

COMMON NAMES: Small blacktip ragwort

**Senecio triangularis**

COMMON NAMES: Arrowleaf ragwort  
ARCTOS RECORDS: [KNWR:Herb:736](#)

†**Senecio vulgaris**

COMMON NAMES: Common groundsel

**Solidago canadensis**

COMMON NAMES: Canada goldenrod

**Solidago multiradiata**

COMMON NAMES: Rocky mountain goldenrod  
ARCTOS RECORDS: [KNWR:Herb:731](#) iNATURALIST OBSERVATIONS: [114283](#), [114306](#), [1788061](#), [1790221](#)

**Taraxacum ceratophorum**

COMMON NAMES: Horned dandelion  
ARCTOS RECORDS: [KNWR:Herb:10448](#), [KNWR:Herb:573](#), [KNWR:-Herb:6337](#), [KNWR:Herb:7169](#)

†**Taraxacum erythrospermum**

COMMON NAMES: Rock dandelion

†**Taraxacum officinale**

COMMON NAMES: Common dandelion  
ARCTOS RECORDS: [KNWR:Herb:726](#) iNATURALIST OBSERVATIONS: [1583675](#), [1789894](#), [1789907](#), [1831920](#), [1831981](#), [1831993](#)

**Taraxacum phymatocarpum**

COMMON NAMES: Northern dandelion  
ARCTOS RECORDS: [KNWR:Herb:738](#)

†**Tripleurospermum inodorum**

COMMON NAMES: Scentless false mayweed

**Family Campanulaceae**

**Campanula lasiocarpa**

COMMON NAMES: Mountain harebell

**Campanula rotundifolia**

COMMON NAMES: Roundleaf harebell, bluebell  
ARCTOS RECORDS: [KNWR:Herb:10347](#) iNATURALIST OBSERVATIONS: [1334105](#)

**Family Menyanthaceae**

**Menyanthes trifoliata**

COMMON NAMES: Buckbean

**Order Boraginales**

**Family Boraginaceae**

†**Cryptantha torreyana**

COMMON NAMES: Torrey's cryptantha

**Mertensia paniculata**

COMMON NAMES: Tall bluebells

**Myosotis asiatica**

COMMON NAMES: Asian forget-me-not  
ARCTOS RECORDS: [KNWR:Herb:10371](#), [KNWR:Herb:742](#), [KNWR:-Herb:743](#)

†**Nemophila menziesii**

COMMON NAMES: Baby-blue-eyes  
iNATURALIST OBSERVATIONS: [4055531](#)

**Order Brassicales**

**Family Brassicaceae**

**Arabis hirsuta**

COMMON NAMES: Hairy rockcress  
ARCTOS RECORDS: [KNWR:Herb:1467](#)

**Arabis holboellii**

COMMON NAMES: Holboell's rockcress

**Arabis lyallii**

COMMON NAMES: Lyall's rockcress  
ARCTOS RECORDS: [KNWR:Herb:686](#)

**Arabis lyrata**

SYNONYMS: *Arabidopsis lyrata*

COMMON NAMES: Lyrate rockcress

ARCTOS RECORDS: [KNWR:Herb:10374](#), [KNWR:Herb:685](#) iNATURAL-

IST OBSERVATIONS: [1529891](#)

**Barbarea orthoceras**

COMMON NAMES: American yellowrocket, wintercress

†**Brassica rapa**

COMMON NAMES: Field mustard

†**Capsella bursa-pastoris**

COMMON NAMES: Shepherd's purse

**Cardamine bellidifolia**

COMMON NAMES: Alpine bittercress

**Cardamine pratensis**

COMMON NAMES: Cuckoo flower

**Cardamine umbellata**

COMMON NAMES: Umbel bittercress

ARCTOS RECORDS: [KNWR:Herb:681](#)

**Draba borealis**

COMMON NAMES: Boreal draba

**Draba incerta**

ARCTOS RECORDS: [KNWR:Herb:10366](#)

**Draba juvenilis**

COMMON NAMES: Longstalk draba

**Draba nivalis**

COMMON NAMES: Yellow arctic draba

ARCTOS RECORDS: [KNWR:Herb:10345](#), [KNWR:Herb:10368](#)

**Draba stenoloba**

COMMON NAMES: Alaska draba

ARCTOS RECORDS: [KNWR:Herb:683](#)

**Erysimum cheiranthoides**

COMMON NAMES: Wormseed wallflower

**Erysimum X marshallii**

COMMON NAMES: Siberian wallflower

iNATURALIST OBSERVATIONS: [4050320](#)

†**Lepidium densiflorum**

COMMON NAMES: Common pepperweed

**Rorippa palustris**

COMMON NAMES: Bog yellowcress

†**Sinapis arvensis**

COMMON NAMES: Charlock mustard

**Subularia aquatica**

COMMON NAMES: Awlwort

**Thlaspi arcticum**

COMMON NAMES: Arctic pennycress

ARCTOS RECORDS: [KNWR:Herb:680](#)

†**Thlaspi arvense**

COMMON NAMES: Field pennycress

**Order Caryophyllales**

**Family Amaranthaceae**

†**Chenopodium album**

COMMON NAMES: Lambsquarters

ARCTOS RECORDS: [KNWR:Herb:8868](#), [KNWR:Herb:8869](#)

†**Chenopodium berlandieri**

COMMON NAMES: Pitseed goosefoot

**Salicornia maritima**

COMMON NAMES: Slender grasswort

**Family Caryophyllaceae**

**Cerastium arvense**

COMMON NAMES: Field chickweed

ARCTOS RECORDS: [KNWR:Herb:10346](#)

**Cerastium beeringianum**

COMMON NAMES: Bering chickweed

ARCTOS RECORDS: [KNWR:Herb:10349](#)

**Cerastium fischerianum**

COMMON NAMES: Fischer's chickweed

†**Cerastium fontanum**

COMMON NAMES: Big chickweed

†**Dianthus deltoides**

COMMON NAMES: Maiden pink

**Dianthus repens**

COMMON NAMES: Boreal carnation

ARCTOS RECORDS: [KNWR:Herb:673](#)

†**Gypsophila elegans**

COMMON NAMES: Showy baby's-breath

iNATURALIST OBSERVATIONS: [4051613](#)

**Minuartia arctica**

COMMON NAMES: Arctic stitchwort

**Minuartia macrocarpa**

COMMON NAMES: Longpod stitchwort

**Minuartia rubella**

COMMON NAMES: Beautiful sandwort

ARCTOS RECORDS: [KNWR:Herb:670](#)

**Moehringia lateriflora**

COMMON NAMES: Bluntleaf sandwort

ARCTOS RECORDS: [KNWR:Herb:671](#)

**Silene acaulis**

COMMON NAMES: Moss campion

ARCTOS RECORDS: [KNWR:Herb:10369](#), [KNWR:Herb:672](#)

†**Silene armeria**

COMMON NAMES: Catchfly

iNATURALIST OBSERVATIONS: [4051463](#)

†**Silene noctiflora**

COMMON NAMES: Nightflowering silene

†**Spergula arvensis**

COMMON NAMES: Corn spurry

†**Spergularia rubra**

COMMON NAMES: Red sandspurry

**Stellaria calycantha**

COMMON NAMES: Northern starwort

**Stellaria crispa**

COMMON NAMES: Curled starwort

ARCTOS RECORDS: [KNWR:Herb:668](#)

**Stellaria humifusa**

COMMON NAMES: Saltmarsh starwort

**Stellaria longipes**

COMMON NAMES: Longstalk starwort

ARCTOS RECORDS: [KNWR:Herb:669](#)

†**Stellaria media**

COMMON NAMES: Common chickweed

iNATURALIST OBSERVATIONS: [1788034](#), [1789896](#)

**Family Droseraceae*****Drosera anglica***

COMMON NAMES: English sundew  
 iNATURALIST OBSERVATIONS: [115164](#)

***Drosera rotundifolia***

COMMON NAMES: Roundleaf sundew  
 ARCTOS RECORDS: [KNWR:Herb:688](#)

**Family Montiaceae*****Claytonia sarmentosa***

COMMON NAMES: Alaska springbeauty  
 ARCTOS RECORDS: [UAM:Herb:57303](#)

**Family Polygonaceae*****Oxyria digyna***

COMMON NAMES: Alpine mountainsorrel

***Persicaria amphibia***

SYNONYMS: *Polygonum amphibium*  
 ARCTOS RECORDS: [UAM:Herb:57364](#), [KNWR:Herb:10404](#) iNATURALIST OBSERVATIONS: [117218](#)

**†*Persicaria maculosa***

COMMON NAMES: Redshank  
 iNATURALIST OBSERVATIONS: [1639207](#)

***Polygonum alpinum***

COMMON NAMES: Alaska wild rhubarb

**†*Polygonum aviculare***

COMMON NAMES: Prostrate knotweed

***Polygonum bistorta***

COMMON NAMES: Meadow bistort

***Polygonum viviparum***

SYNONYMS: *Bistorta vivipara*, *Persicaria vivipara*  
 COMMON NAMES: Alpine bistort  
 ARCTOS RECORDS: [KNWR:Herb:10363](#), [KNWR:Herb:10370](#)

**†*Rumex acetosella***

COMMON NAMES: Common sheep sorrel

***Rumex arcticus***

COMMON NAMES: Arctic dock

**†*Rumex crispus***

COMMON NAMES: Curly dock  
 ARCTOS RECORDS: [KNWR:Herb:6752](#)

**†*Rumex longifolius***

COMMON NAMES: Dooryard dock  
 ARCTOS RECORDS: [KNWR:Herb:6751](#)

**Order Celastrales****Family Celastraceae*****Parnassia palustris***

COMMON NAMES: Marsh grass of parnassus

**Order Cornales****Family Cornaceae*****Cornus canadensis***

COMMON NAMES: Bunchberry dogwood

***Cornus suecica***

COMMON NAMES: Lapland cornel  
 ARCTOS RECORDS: [KNWR:Herb:718](#)

**Order Dipsacales****Family Adoxaceae*****Adoxa moschatellina***

COMMON NAMES: Moschatel  
 iNATURALIST OBSERVATIONS: [3467705](#)

***Sambucus racemosa***

COMMON NAMES: Red elderberry  
 iNATURALIST OBSERVATIONS: [114305](#)

***Viburnum edule***

COMMON NAMES: Squashberry

**Family Linnaeaceae*****Linnaea borealis***

COMMON NAMES: Twinflower  
 iNATURALIST OBSERVATIONS: [114278](#)

**Family Valerianaceae*****Valeriana capitata***

COMMON NAMES: Capitata valerian  
 ARCTOS RECORDS: [KNWR:Herb:730](#)

***Valeriana sitchensis***

COMMON NAMES: Sitka valerian  
 iNATURALIST OBSERVATIONS: [114297](#)

**Order Ericales****Family Balsaminaceae*****Impatiens noli-tangere***

COMMON NAMES: Western touch-me-not  
 iNATURALIST OBSERVATIONS: [3893699](#)

**Family Diapensiaceae*****Diapensia lapponica***

COMMON NAMES: Pincushion plant

**Family Ericaceae*****Andromeda polifolia***

COMMON NAMES: Bog rosemary  
 ARCTOS RECORDS: [KNWR:Herb:722](#) iNATURALIST OBSERVATIONS: [1790134](#)

***Arctostaphylos alpina***

COMMON NAMES: Alpine bearberry

***Arctostaphylos uva-ursi***

COMMON NAMES: Bearberry, kinnikinnik  
 ARCTOS RECORDS: [KNWR:Herb:723](#)

***Arctous rubra***

COMMON NAMES: Red fruit bearberry

***Cassiope lycopodioides***

COMMON NAMES: Clubmoss mountain heather

***Cassiope tetragona***

COMMON NAMES: White arctic mountain heather

***Chamaedaphne calyculata***

COMMON NAMES: Leatherleaf

***Empetrum nigrum***

COMMON NAMES: Black crowberry  
 ARCTOS RECORDS: [KNWR:Herb:720](#)

***Harrimanella hypnoides***

COMMON NAMES: Mossplant



**Harrimanella stelleriana**SYNONYMS: *Cassiope stelleriana*

COMMON NAMES: Alaska bellheather

ARCTOS RECORDS: [KNWR:Herb:10357](#) iNATURALIST OBSERVATIONS: [114293](#)**Ledum palustre**

COMMON NAMES: Marsh labrador tea

**Loiseleuria procumbens**

COMMON NAMES: Alpine azalea

ARCTOS RECORDS: [KNWR:Herb:721](#)**Menziesia ferruginea**

COMMON NAMES: Rusty menziesia

**Moneses uniflora**

COMMON NAMES: Single delight

**Orthilia secunda**

COMMON NAMES: Sidebells wintergreen

**Phyllodoce aleutica**

COMMON NAMES: Aleutian mountainheath

**Pyrola asarifolia**

COMMON NAMES: Liverleaf wintergreen

**Pyrola chlorantha**

COMMON NAMES: Greenflowered wintergreen

**Pyrola grandiflora**

COMMON NAMES: Largeflowered wintergreen

**Pyrola minor**

COMMON NAMES: Snowline wintergreen

**Rhododendron groenlandicum**SYNONYMS: *Ledum groenlandicum*

COMMON NAMES: Bog labrador tea

**Vaccinium caespitosum**

COMMON NAMES: Dwarf bilberry

**Vaccinium ovalifolium**

COMMON NAMES: Oval-leaf blueberry

**Vaccinium oxycoccos**

COMMON NAMES: Small cranberry

iNATURALIST OBSERVATIONS: [1371259](#)**Vaccinium uliginosum**

COMMON NAMES: Bog blueberry

ARCTOS RECORDS: [KNWR:Herb:10359](#), [KNWR:Herb:724](#), [KNWR:-Herb:725](#) iNATURALIST OBSERVATIONS: [115168](#)**Vaccinium vitis-idaea**

COMMON NAMES: Lingonberry

iNATURALIST OBSERVATIONS: [1341671](#)**Family Polemoniaceae****Polemonium boreale**

COMMON NAMES: Northern jacob's-ladder

ARCTOS RECORDS: [KNWR:Herb:740](#)**Polemonium caeruleum****Polemonium pulcherrimum**

COMMON NAMES: Jacob's-ladder

ARCTOS RECORDS: [KNWR:Herb:741](#)**Family Primulaceae****Androsace alaskana**SYNONYMS: *Douglasia alaskana*

COMMON NAMES: Alaskan douglasia

ARCTOS RECORDS: [KNWR:Herb:10365](#)**Glaux maritima**

COMMON NAMES: Sea milkwort

**Primula cuneifolia**

COMMON NAMES: Wedgeleaf primrose

**Trientalis europaea**

COMMON NAMES: Arctic starflower

**Order Fabales****Family Fabaceae****Astragalus alpinus**

COMMON NAMES: Alpine milkvetch

ARCTOS RECORDS: [KNWR:Herb:708](#)**Astragalus polaris**

COMMON NAMES: Polar milk vetch

**Hedysarum alpinum**

COMMON NAMES: Alpine sweetvetch

**Lathyrus palustris**

COMMON NAMES: Marsh pea

**Lupinus arcticus**

COMMON NAMES: Arctic lupine

**Lupinus nootkatensis**

COMMON NAMES: Nootka lupine

**‡Lupinus polyphyllus**

COMMON NAMES: Bigleaf lupine

**†Melilotus alba**

COMMON NAMES: White sweet clover

**†Melilotus officinalis**

COMMON NAMES: Yellow sweetclover

**Oxytropis campestris**

COMMON NAMES: Field locoweed

ARCTOS RECORDS: [KNWR:Herb:709](#), [KNWR:Herb:710](#), [KNWR:-Herb:711](#)**Oxytropis monticola**

COMMON NAMES: Yellowflower locoweed

**Oxytropis nigrescens**

COMMON NAMES: Blackish oxytrope

ARCTOS RECORDS: [KNWR:Herb:10351](#)**Oxytropis splendens**

COMMON NAMES: Showy locoweed

**†Trifolium hybridum**

COMMON NAMES: Alsike clover

**†Trifolium pratense**

COMMON NAMES: Red clover

iNATURALIST OBSERVATIONS: [1819748](#)**†Trifolium repens**

COMMON NAMES: White clover

iNATURALIST OBSERVATIONS: [1789891](#)**†Vicia cracca**

COMMON NAMES: Bird vetch

**Order Fagales****Family Betulaceae****Alnus incana**

COMMON NAMES: Gray alder



**Alnus viridis**

COMMON NAMES: Green alder

**Betula glandulosa**

COMMON NAMES: Resin birch

**Betula nana**

COMMON NAMES: Dwarf birch

ARCTOS RECORDS: [KNWR:Herb:664](#)**Betula neoalaskana**

COMMON NAMES: Resin birch

**Betula papyrifera**

COMMON NAMES: Paper birch

**Family Myricaceae****Myrica gale**

COMMON NAMES: Sweetgale

**Order Gentianales****Family Gentianaceae****Gentiana douglasiana**

COMMON NAMES: Swamp gentian

ARCTOS RECORDS: [KNWR:Herb:589](#), [KNWR:Herb:626](#)**Gentiana glauca**

COMMON NAMES: Pale gentian

INATURALIST OBSERVATIONS: [114290](#)**Gentianella amarella**

COMMON NAMES: Autumn dwarf gentian

**Swertia perennis**

COMMON NAMES: Star gentian

INATURALIST OBSERVATIONS: [799853](#)**Family Rubiaceae****Galium boreale**

COMMON NAMES: Northern bedstraw

ARCTOS RECORDS: [KNWR:Herb:747](#)**Galium trifidum**

COMMON NAMES: Threepetal bedstraw

**Galium triflorum**

COMMON NAMES: Fragrant bedstraw

**Order Geraniales****Family Geraniaceae****Geranium erianthum**

COMMON NAMES: Woolly geranium

ARCTOS RECORDS: [KNWR:Herb:712](#) INATURALIST OBSERVATIONS: [114296](#)**Order Lamiales****Family Lamiaceae****†Galeopsis bifida**

COMMON NAMES: Splitlip hempenettle

**†Galeopsis tetrahit**

COMMON NAMES: Brittlestem hempenettle

**Family Lentibulariaceae****Pinguicula villosa**

COMMON NAMES: Hairy butterwort

ARCTOS RECORDS: [KNWR:Herb:10403](#)**Utricularia intermedia**

COMMON NAMES: Flatleaf bladderwort

INATURALIST OBSERVATIONS: [1620785](#)**Utricularia vulgaris**SYNONYMS: *Utricularia macrorhiza*INATURALIST OBSERVATIONS: [1616552](#)**Family Orobanchaceae****Boschniakia rossica**

COMMON NAMES: Northern groundcone

ARCTOS RECORDS: [KNWR:Herb:10339](#) INATURALIST OBSERVATIONS: [799867](#)**Castilleja unalaschcensis**

COMMON NAMES: Alaska indian paintbrush

ARCTOS RECORDS: [KNWR:Herb:744](#) INATURALIST OBSERVATIONS: [114295](#), [114304](#)**Euphrasia mollis**

COMMON NAMES: Subalpine eyebright

ARCTOS RECORDS: [KNWR:Herb:8829](#)**Pedicularis capitata**

COMMON NAMES: Capitata lousewort

**Pedicularis labradorica**

COMMON NAMES: Labrador lousewort

**Pedicularis lanata**

COMMON NAMES: Woolly lousewort

ARCTOS RECORDS: [KNWR:Herb:10342](#)**Pedicularis macrodonta**

COMMON NAMES: Muskeg lousewort

ARCTOS RECORDS: [KNWR:Herb:610](#), [KNWR:Herb:653](#)**Pedicularis parviflora**

COMMON NAMES: Smallflower lousewort

**Pedicularis verticillata**

COMMON NAMES: Whorled lousewort

ARCTOS RECORDS: [KNWR:Herb:745](#) INATURALIST OBSERVATIONS: [114300](#)**Rhinanthus minor**

COMMON NAMES: Little yellow rattle

INATURALIST OBSERVATIONS: [114303](#)**Family Phrymaceae****Mimulus guttatus**

COMMON NAMES: Yellow monkey flower

INATURALIST OBSERVATIONS: [799839](#)**Family Plantaginaceae****Callitriche palustris**

COMMON NAMES: Spiny waterstarwort

**Hippuris tetraphylla**

COMMON NAMES: Fourleaf mare's-tail

LITERATURE RECORDS: [Quimby \(1972\)](#), [Ulman \(2013\)](#) ARCTOS RECORDS: [UAM:Herb:25530](#), [UAM:Herb:58238](#)**Hippuris vulgaris**

COMMON NAMES: Common mare's-tail

INATURALIST OBSERVATIONS: [799863](#)**†Linaria vulgaris**

COMMON NAMES: Butter-n-eggs

**†Plantago major**

COMMON NAMES: Common plantain

INATURALIST OBSERVATIONS: [1790240](#), [1832158](#)

**Plantago maritima**

COMMON NAMES: Goose tongue

**Veronica americana**

COMMON NAMES: American speedwell

ARCTOS RECORDS: [KNWR:Herb:613](#), [KNWR:Herb:650](#)**Veronica wormskjoldii**

COMMON NAMES: American alpine speedwell

**Order Liliales****Family Liliaceae****Fritillaria camschatcensis**

COMMON NAMES: Kamchatka fritillary

ARCTOS RECORDS: [KNWR:Herb:1472](#) iNATURALIST OBSERVATIONS: [1780052](#)**Lloydia serotina**

COMMON NAMES: Common alply

**Streptopus amplexifolius**

COMMON NAMES: Claspig twistedstalk

**Family Melanthiaceae****Anticlea elegans**SYNONYMS: *Zigadenus elegans*

COMMON NAMES: Mountain deathcamas

DISTRIBUTION AND TRENDS: This species has been observed by Matt Bowser on the Skyline Trail, Mystery Hills.

**Veratrum viride**

COMMON NAMES: Green false hellebore

iNATURALIST OBSERVATIONS: [114302](#)**Order Malpighiales****Family Linaceae****†Linum grandiflorum**iNATURALIST OBSERVATIONS: [4050351](#)**Linum perenne**

COMMON NAMES: Blue flax

**Family Salicaceae****Populus tremuloides**

COMMON NAMES: Quaking aspen

iNATURALIST OBSERVATIONS: [117206](#)**Populus trichocarpa**

COMMON NAMES: Black cottonwood

**Salix alaxensis**

COMMON NAMES: Feltleaf willow

ARCTOS RECORDS: [KNWR:Herb:630](#), [KNWR:Herb:649](#)**Salix arctica**

COMMON NAMES: Arctic willow

ARCTOS RECORDS: [KNWR:Herb:629](#), [KNWR:Herb:648](#)**Salix barclayi**

COMMON NAMES: Barclay's willow

ARCTOS RECORDS: [KNWR:Herb:586](#), [KNWR:Herb:618](#), [KNWR:-Herb:634](#), [KNWR:Herb:635](#), [KNWR:Herb:646](#)**Salix bebbiana**

COMMON NAMES: Bebb's willow

**Salix commutata**

COMMON NAMES: Undergreen willow

**Salix fuscescens**

COMMON NAMES: Alaska bog willow

**Salix glauca**

COMMON NAMES: Grayleaf willow

ARCTOS RECORDS: [KNWR:Herb:587](#), [KNWR:Herb:616](#), [KNWR:-Herb:617](#), [KNWR:Herb:644](#), [KNWR:Herb:645](#)**Salix lasiandra**

COMMON NAMES: Pacific willow

**Salix myrtilifolia**

COMMON NAMES: Willow, low blueberry

**Salix niphoclada**

COMMON NAMES: Barrenground willow

**Salix ovalifolia**

COMMON NAMES: Oval-leaf willow

**Salix pulchra**

COMMON NAMES: Tealeaf willow

ARCTOS RECORDS: [UAM:Herb:20860](#)**Salix reticulata**

COMMON NAMES: Netleaf willow

ARCTOS RECORDS: [KNWR:Herb:10343](#)**Salix rotundifolia**

COMMON NAMES: Least willow

**Salix scouleriana**

COMMON NAMES: Scouler's willow

**Salix sitchensis**

COMMON NAMES: Sitka willow

ARCTOS RECORDS: [KNWR:Herb:8745](#), [KNWR:Herb:8751](#), [KNWR:-Herb:8759](#), [KNWR:Herb:8761](#), [KNWR:Herb:8784](#), [KNWR:Herb:8785](#), [KNWR:Herb:8786](#), [KNWR:Herb:8787](#), [KNWR:Herb:8788](#), [KNWR:-Herb:8789](#)**Salix stolonifera**

COMMON NAMES: Sprouting leaf willow

**Family Violaceae****Viola adunca**

COMMON NAMES: Hookedspur violet

**Viola epipsila**

COMMON NAMES: Dwarf marsh violet

**Viola glabella**

COMMON NAMES: Pioneer violet

ARCTOS RECORDS: [KNWR:Herb:713](#)**Viola langsдорфii**

COMMON NAMES: Aleutian violet

ARCTOS RECORDS: [KNWR:Herb:715](#)**Viola renifolia**

COMMON NAMES: White violet

**Viola selkirkii**

COMMON NAMES: Selkirk's violet

**Order Myrtales****Family Onagraceae****Chamerion angustifolium**SYNONYMS: *Epilobium angustifolium*

COMMON NAMES: Fireweed

iNATURALIST OBSERVATIONS: [1790157](#)**Chamerion latifolium**SYNONYMS: *Epilobium latifolium*

COMMON NAMES: Dwarf fireweed

INATURALIST OBSERVATIONS: [799865](#), [1790218](#)

**Circaea alpina**

COMMON NAMES: Small enchanter's nightshade

**Epilobium anagallidifolium**

COMMON NAMES: Pimpernel willowherb

**Epilobium ciliatum**

COMMON NAMES: Fringed willowherb

**Epilobium hornemannii**

COMMON NAMES: Hornemann's willowherb

ARCTOS RECORDS: [KNWR:Herb:717](#)

**Epilobium lactiflorum**

COMMON NAMES: Milkflower willowherb

**Epilobium palustre**

COMMON NAMES: Marsh willowherb

ARCTOS RECORDS: [KNWR:Herb:716](#)

**Order Nymphaeales**

**Family Nymphaeaceae**

**Nuphar lutea**

COMMON NAMES: Yellow pond-lily

**Nymphaea tetragona**

COMMON NAMES: Pygmy waterlily

**Order Poales**

**Family Cyperaceae**

**Carex aquatilis**

COMMON NAMES: Water sedge

ARCTOS RECORDS: [KNWR:Herb:593](#), [KNWR:Herb:624](#), [KNWR:Herb:642](#)

**Carex bigelowii**

COMMON NAMES: Bigelow's sedge

**Carex brunnescens**

COMMON NAMES: Brownish sedge

**Carex canescens**

COMMON NAMES: Silver sedge

**Carex chordorrhiza**

COMMON NAMES: Creeping sedge, rope-root sedge

**Carex deflexa**

COMMON NAMES: Northern sedge

ARCTOS RECORDS: [KNWR:Herb:641](#)

**Carex deweyana**

COMMON NAMES: Dewey's sedge

**Carex dioica**

**Carex disperma**

COMMON NAMES: Softleaf sedge

**Carex gynocrates**

COMMON NAMES: Northern bog sedge

**Carex interior**

COMMON NAMES: Inland sedge

**Carex laeviculmis**

COMMON NAMES: Smoothstem sedge

**Carex lasiocarpa**

COMMON NAMES: Woollyfruit sedge

**Carex leptalea**

COMMON NAMES: Bristlystalked sedge

**Carex limosa**

COMMON NAMES: Mud sedge

**Carex livida**

COMMON NAMES: Livid sedge

**Carex loliacea**

COMMON NAMES: Ryegrass sedge

**Carex lyngbyei**

COMMON NAMES: Lyngbye's sedge

**Carex macrochaeta**

COMMON NAMES: Longawn sedge

ARCTOS RECORDS: [KNWR:Herb:639](#), [KNWR:Herb:640](#)

**Carex magellanica**

COMMON NAMES: Boreal bog sedge

ARCTOS RECORDS: [KNWR:Herb:615](#)

**Carex membranacea**

COMMON NAMES: Fragile sedge

ARCTOS RECORDS: [KNWR:Herb:614](#)

**Carex mertensii**

COMMON NAMES: Mertens' sedge

ARCTOS RECORDS: [KNWR:Herb:591](#), [KNWR:Herb:627](#)

**Carex microchaeta**

COMMON NAMES: Smallawned sedge

ARCTOS RECORDS: [KNWR:Herb:10362](#)

**Carex norvegica**

COMMON NAMES: Norway sedge

**Carex pachystachya**

COMMON NAMES: Chamisso sedge

**Carex pauciflora**

COMMON NAMES: Fewflower sedge

INATURALIST OBSERVATIONS: [1341675](#)

**Carex phaeocephala**

COMMON NAMES: Dunhead sedge

ARCTOS RECORDS: [KNWR:Herb:1462](#), [KNWR:Herb:638](#)

**Carex pluriflora**

COMMON NAMES: Manyflower sedge

**Carex podocarpa**

COMMON NAMES: Shortstalk sedge

**Carex preslii**

COMMON NAMES: Presl's sedge

**Carex pyrenaica**

COMMON NAMES: Pyrenean sedge

**Carex ramenskii**

COMMON NAMES: Ramensk's sedge

**Carex rotundata**

COMMON NAMES: Round sedge

ARCTOS RECORDS: [KNWR:Herb:595](#), [KNWR:Herb:621](#)

**Carex saxatilis**

COMMON NAMES: Rock sedge

ARCTOS RECORDS: [KNWR:Herb:604](#)

**Carex scirpoidea**

COMMON NAMES: Northern singlespike sedge

**Carex spectabilis**

COMMON NAMES: Showy sedge

**Carex tenuiflora**

COMMON NAMES: Sparseflower sedge

**Carex utriculata**

COMMON NAMES: Northwest territory sedge

**Carex viridula**

COMMON NAMES: Little green sedge

**Eleocharis palustris**

COMMON NAMES: Common spikerush

**Eriophorum angustifolium**

COMMON NAMES: Tall cottongrass

ARCTOS RECORDS: [KNWR:Herb:1473](#), [KNWR:Herb:636](#)

**Eriophorum callitrix**

COMMON NAMES: Arctic cottongrass

**Eriophorum russeolum**

COMMON NAMES: Red cottongrass

**Eriophorum scheuchzeri**

COMMON NAMES: White cottongrass

**Eriophorum vaginatum**

COMMON NAMES: Tussock cottongrass

**Eriophorum viridicarinatum**

COMMON NAMES: Thinleaf cottongrass

**Scirpus microcarpus**

COMMON NAMES: Panicked bulrush

ARCTOS RECORDS: [KNWR:Herb:6665](#)

**Trichophorum cespitosum**

COMMON NAMES: Tufted bulrush

**Family Juncaceae**

**Juncus alpinoarticulatus**

COMMON NAMES: Northern green rush

**Juncus bufonius**

COMMON NAMES: Toad rush

ARCTOS RECORDS: [KNWR:Herb:594](#), [KNWR:Herb:625](#)

**Juncus castaneus**

COMMON NAMES: Chestnut rush

**Juncus filiformis**

COMMON NAMES: Thread rush

ARCTOS RECORDS: [KNWR:Herb:609](#)

**Juncus mertensianus**

COMMON NAMES: Merten's rush

ARCTOS RECORDS: [KNWR:Herb:608](#), [KNWR:Herb:643](#)

**Juncus triglumis**

COMMON NAMES: Three-hulled rush

**Luzula arcuata**

COMMON NAMES: Curved woodrush

ARCTOS RECORDS: [KNWR:Herb:10348](#)

**Luzula multiflora**

COMMON NAMES: Common woodrush

**Luzula parviflora**

COMMON NAMES: Smallflowered woodrush

ARCTOS RECORDS: [KNWR:Herb:1474](#), [KNWR:Herb:592](#), [KNWR:Herb:623](#), [KNWR:Herb:662](#)

**Luzula piperi**

COMMON NAMES: Piper's woodrush

**Luzula spicata**

COMMON NAMES: Spiked woodrush

**Luzula wahlenbergii**

COMMON NAMES: Wahlenberg's woodrush

**Family Poaceae**

†**Agrostis capillaris**

COMMON NAMES: Colonial bentgrass

**Agrostis mertensii**

COMMON NAMES: Northern bentgrass

**Agrostis scabra**

COMMON NAMES: Rough bentgrass

**Alopecurus alpinus**

COMMON NAMES: Alpine meadow foxtail

†**Alopecurus geniculatus**

COMMON NAMES: Water foxtail

†**Alopecurus pratensis**

COMMON NAMES: Meadow foxtail

**Anthoxanthum monticola**

COMMON NAMES: Alpine sweetgrass

**Arctagrostis latifolia**

COMMON NAMES: Wideleaf polargrass

**Arctophila fulva**

COMMON NAMES: Pendantgrass

**Arctopoa eminens**

COMMON NAMES: Largeflower speargrass

†**Bromus inermis**

COMMON NAMES: Smooth brome

**Calamagrostis canadensis**

COMMON NAMES: Bluejoint, bluejoint reedgrass

**Calamagrostis lapponica**

COMMON NAMES: Lapland reedgrass

ARCTOS RECORDS: [KNWR:Herb:606](#)

†**Dactylis glomerata**

COMMON NAMES: Orchardgrass

**Danthonia intermedia**

COMMON NAMES: Timber oatgrass

**Deschampsia caespitosa**

COMMON NAMES: Tufted hairgrass

**Elymus alaskanus**

†**Elymus repens**

COMMON NAMES: Quackgrass

†**Elymus sibiricus**

COMMON NAMES: Siberian wildrye

**Elymus trachycaulus**

COMMON NAMES: Slender wheatgrass

**Festuca altaica**

COMMON NAMES: Altai fescue

**Festuca brachyphylla**

COMMON NAMES: Alpine fescue

**Festuca brevissima**

SYNONYMS: *Festuca ovina* ssp. *alaskana*

COMMON NAMES: Alaska fescue

ARCTOS RECORDS: [KNWR:Herb:10356](#), [KNWR:Herb:10367](#)

**Festuca rubra**

COMMON NAMES: Red fescue

**Festuca saximontana**

COMMON NAMES: Rocky mountain fescue

**Glyceria borealis**

COMMON NAMES: Small floating mannagrass

**Hierochloa odorata**

COMMON NAMES: Sweetgrass

ARCTOS RECORDS: [KNWR:Herb:1453](#), [KNWR:Herb:1456](#)

**Hordeum brachyantherum**

COMMON NAMES: Meadow barley

INATURALIST OBSERVATIONS: [1787876](#)

‡**Hordeum jubatum**

COMMON NAMES: Foxtail barley

**Leymus mollis**

COMMON NAMES: American dunegrass

‡**Lolium multiflorum**

COMMON NAMES: Italian ryegrass

INATURALIST OBSERVATIONS: [1819804](#)

‡**Lolium perenne**

COMMON NAMES: Perennial ryegrass

‡**Phalaris arundinacea**

COMMON NAMES: Reed canarygrass

**Phleum alpinum**

COMMON NAMES: Alpine timothy

ARCTOS RECORDS: [KNWR:Herb:1452](#)

‡**Phleum pratense**

COMMON NAMES: Timothy

ARCTOS RECORDS: [KNWR:Herb:1451](#) INATURALIST OBSERVATIONS: [1790250](#)

**Poa alpina**

COMMON NAMES: Alpine bluegrass

‡**Poa annua**

COMMON NAMES: Annual bluegrass

**Poa arctica**

COMMON NAMES: Arctic bluegrass

‡**Poa compressa**

COMMON NAMES: Canada bluegrass

**Poa glauca**

COMMON NAMES: Glaucous bluegrass

ARCTOS RECORDS: [KNWR:Herb:1447](#), [KNWR:Herb:1448](#), [KNWR:Herb:628](#)

**Poa macrocalyx**

COMMON NAMES: Largeglume bluegrass

‡**Poa pratensis**

COMMON NAMES: Kentucky bluegrass, spreading bluegrass

**Poa stenantha**

COMMON NAMES: Northern bluegrass

‡**Poa trivialis**

COMMON NAMES: Rough bluegrass

**Puccinellia nutkaensis**

COMMON NAMES: Nootka alkaligrass

**Trisetum spicatum**

COMMON NAMES: Spike trisetum

ARCTOS RECORDS: [KNWR:Herb:1449](#)

**Vahlodea atropurpurea**

COMMON NAMES: Mountain hairgrass

**Family Typhaceae**

**Sparganium hyperboreum**

COMMON NAMES: Northern bur-reed

‡**Typha latifolia**

COMMON NAMES: Broadleaf cattail

**Order Ranunculales**

**Family Papaveraceae**

**Corydalis pauciflora**

COMMON NAMES: Few flowered corydalis

ARCTOS RECORDS: [KNWR:Herb:6759](#)

**Corydalis sempervirens**

SYNONYMS: Capnoides sempervirens

COMMON NAMES: Rock harlequin

INATURALIST OBSERVATIONS: [1596288](#), [1790175](#)

‡**Eschscholzia californica**

COMMON NAMES: California poppy

INATURALIST OBSERVATIONS: [4050237](#)

**Papaver alboroseum**

COMMON NAMES: Pale poppy

ARCTOS RECORDS: [KNWR:Herb:10350](#)

‡**Papaver nudicaule**

COMMON NAMES: Iceland poppy

INATURALIST OBSERVATIONS: [4050288](#)

**Family Ranunculaceae**

**Aconitum delphiniifolium**

COMMON NAMES: Larkspurleaf monkshood

INATURALIST OBSERVATIONS: [23857](#)

**Actaea rubra**

COMMON NAMES: Red baneberry

**Anemone narcissiflora**

COMMON NAMES: Narcissus anemone

ARCTOS RECORDS: [KNWR:Herb:10361](#), [KNWR:Herb:678](#) INATURALIST OBSERVATIONS: [114284](#)

**Anemone parviflora**

COMMON NAMES: Smallflowered anemone

**Anemone richardsonii**

COMMON NAMES: Yellow thimbleweed

ARCTOS RECORDS: [KNWR:Herb:676](#), [KNWR:Herb:677](#), [KNWR:Herb:679](#)

**Aquilegia formosa**

COMMON NAMES: Western columbine

ARCTOS RECORDS: [KNWR:Herb:675](#) INATURALIST OBSERVATIONS: [21157](#), [799845](#)

**Aquilegia shockleyi**

COMMON NAMES: Western columbine

**Caltha leptosepala**

COMMON NAMES: White marsh marigold

ARCTOS RECORDS: [KNWR:Herb:674](#)

**Caltha palustris**

COMMON NAMES: Yellow marsh marigold

**Coptis trifolia**

COMMON NAMES: Threeleaf goldthread

**Delphinium glaucum**

COMMON NAMES: Mountain larkspur

INATURALIST OBSERVATIONS: [114307](#)

**Ranunculus eschscholtzii**

COMMON NAMES: Eschscholtz's buttercup

**Ranunculus hyperboreus**

COMMON NAMES: High northern buttercup

**Ranunculus lapponicus**

COMMON NAMES: Lapland buttercup

**Ranunculus nivalis**

COMMON NAMES: Snow buttercup

**Ranunculus occidentalis**

COMMON NAMES: Western buttercup

**Ranunculus trichophyllus**

COMMON NAMES: Threadleaf crowfoot

**Thalictrum sparsiflorum**

COMMON NAMES: Fewflower meadow-rue

**Order Rosales**

**Family Elaeagnaceae**

**Shepherdia canadensis**

COMMON NAMES: Russet buffaloberry

**Family Rosaceae**

**Amelanchier alnifolia**

COMMON NAMES: Western serviceberry

ARCTOS RECORDS: [KNWR:Herb:700](#)

**Argentina egedii**

COMMON NAMES: Pacific silverweed

**Comarum palustre**

COMMON NAMES: Purple marshlocks

INATURALIST OBSERVATIONS: [503264](#)

**Dasiphora fruticosa**

COMMON NAMES: Shrubby cinquefoil

**Dryas drummondii**

COMMON NAMES: Drummond's mountain-avens

**Dryas integrifolia**

COMMON NAMES: Entireleaf mountain-avens

ARCTOS RECORDS: [KNWR:Herb:705](#)

**Dryas octopetala**

COMMON NAMES: Eightpetal mountain-avens

ARCTOS RECORDS: [KNWR:Herb:10376](#)

**†Fragaria vesca**

COMMON NAMES: Woodland strawberry

**†Fragaria X ananassa**

COMMON NAMES: Domestic strawberry

**Geum calthifolium**

COMMON NAMES: Calthaleaf avens

ARCTOS RECORDS: [KNWR:Herb:704](#)

**Geum macrophyllum**

COMMON NAMES: Largeleaf avens

ARCTOS RECORDS: [KNWR:Herb:754](#)

**Geum rossii**

COMMON NAMES: Ross's avens

**Luetkea pectinata**

COMMON NAMES: Partridgefoot

ARCTOS RECORDS: [KNWR:Herb:698](#) INATURALIST OBSERVATIONS: [114294](#)

**Potentilla diversifolia**

COMMON NAMES: Varileaf cinquefoil

ARCTOS RECORDS: [KNWR:Herb:752](#)

**Potentilla furcata**

COMMON NAMES: Forked cinquefoil

**Potentilla gracilis**

COMMON NAMES: Slender cinquefoil

**Potentilla nana**

COMMON NAMES: Arctic cinquefoil

**Potentilla norvegica**

COMMON NAMES: Norwegian cinquefoil

**Potentilla pensylvanica**

COMMON NAMES: Pennsylvania cinquefoil

**Potentilla uniflora**

COMMON NAMES: Oneflower cinquefoil

**Potentilla vahliana**

COMMON NAMES: Vahl's cinquefoil

ARCTOS RECORDS: [KNWR:Herb:751](#)

**Potentilla villosa**

COMMON NAMES: Villous cinquefoil

ARCTOS RECORDS: [KNWR:Herb:10355](#), [KNWR:Herb:748](#), [KNWR:Herb:749](#), [KNWR:Herb:750](#)

**Rosa acicularis**

COMMON NAMES: Prickly rose

ARCTOS RECORDS: [KNWR:Herb:706](#) INATURALIST OBSERVATIONS: [125340](#)

**Rosa nutkana**

COMMON NAMES: Nootka rose

**Rubus arcticus**

COMMON NAMES: Arctic raspberry

ARCTOS RECORDS: [KNWR:Herb:702](#)

**Rubus chamaemorus**

COMMON NAMES: Cloudberry

INATURALIST OBSERVATIONS: [1754995](#), [1790143](#)

**Rubus idaeus**

COMMON NAMES: American red raspberry

**Rubus pedatus**

COMMON NAMES: Strawberryleaf raspberry

ARCTOS RECORDS: [KNWR:Herb:701](#)

**Rubus spectabilis**

COMMON NAMES: Salmonberry

ARCTOS RECORDS: [KNWR:Herb:703](#)

**Sanguisorba canadensis**

SYNONYMS: *Sanguisorba sitchensis*, *Sanguisorba stipulata*

COMMON NAMES: Canadian burnet

INATURALIST OBSERVATIONS: [114301](#)

**Sibbaldia procumbens**

COMMON NAMES: Creeping sibbaldia

ARCTOS RECORDS: [KNWR:Herb:753](#)

**Sorbus scopulina**

COMMON NAMES: Greene's mountain ash

**Sorbus sitchensis**

COMMON NAMES: Western mountain ash

**Spiraea douglasii**

COMMON NAMES: Rose spirea

**Spiraea stevenii**

COMMON NAMES: Beaverd spiraea

**Family Urticaceae**

**Urtica dioica**

COMMON NAMES: Stinging nettle



**Order Santalales****Family Santalaceae*****Geocaulon lividum***

COMMON NAMES: False toadflax

**Order Saxifragales****Family Crassulaceae*****Rhodiola integrifolia***SYNONYMS: *Sedum rosea*

COMMON NAMES: Ledge stonecrop

ARCTOS RECORDS: [KNWR:Herb:1464](#), [KNWR:Herb:1466](#), [KNWR:Herb:689](#) iNATURALIST OBSERVATIONS: [114277](#)**Family Grossulariaceae*****Ribes bracteosum***

COMMON NAMES: Stink currant

***Ribes glandulosum***

COMMON NAMES: Skunk currant

***Ribes hudsonianum***

COMMON NAMES: Northern black currant

***Ribes lacustre***

COMMON NAMES: Prickly currant

***Ribes laxiflorum***

COMMON NAMES: Trailing black currant

ARCTOS RECORDS: [KNWR:Herb:694](#), [KNWR:Herb:695](#)***Ribes triste***

COMMON NAMES: Red currant

**Family Haloragaceae*****Myriophyllum farwellii***

COMMON NAMES: Farwell's watermilfoil

***Myriophyllum sibiricum***

COMMON NAMES: Shortspike watermilfoil

***Myriophyllum verticillatum***

COMMON NAMES: Whorl-leaf watermilfoil

**Family Saxifragaceae*****Chrysosplenium tetrandrum***

COMMON NAMES: Northern golden saxifrage

ARCTOS RECORDS: [KNWR:Herb:693](#) iNATURALIST OBSERVATIONS: [4050176](#)***Heuchera glabra***

COMMON NAMES: Alpine heuchera

ARCTOS RECORDS: [KNWR:Herb:692](#)***Leptarrhena pyrolifolia***

COMMON NAMES: Fireleaf leptarrhena

***Saxifraga bronchialis***

COMMON NAMES: Yellowdot saxifrage

ARCTOS RECORDS: [KNWR:Herb:1468](#), [KNWR:Herb:690](#) iNATURALIST OBSERVATIONS: [114291](#)***Saxifraga nelsoniana***SYNONYMS: *Micranthes nelsoniana*

COMMON NAMES: Heartleaf saxifrage

***Saxifraga nivalis***SYNONYMS: *Micranthes nivalis*

COMMON NAMES: Alpine saxifrage

***Saxifraga oppositifolia***

COMMON NAMES: Purple mountain saxifrage

ARCTOS RECORDS: [KNWR:Herb:10353](#), [KNWR:Herb:10373](#)***Saxifraga punctata***ARCTOS RECORDS: [KNWR:Herb:691](#)***Saxifraga tricuspidata***

COMMON NAMES: Three toothed saxifrage

ARCTOS RECORDS: [KNWR:Herb:10352](#), [KNWR:Herb:10372](#)***Tiarella trifoliata***

COMMON NAMES: Threeleaf foamflower

**Class Pinopsida****Order Cupressales****Family Cupressaceae*****Juniperus communis***

COMMON NAMES: Common juniper

ARCTOS RECORDS: [KNWR:Herb:1460](#)**Order Pinales****Family Pinaceae*****Picea glauca***

COMMON NAMES: White spruce

***Picea mariana***

COMMON NAMES: Black spruce

***Picea X lutzii***

COMMON NAMES: Lutz's spruce

**†*Pinus contorta***iNATURALIST OBSERVATIONS: [3672943](#)***Tsuga mertensiana***

COMMON NAMES: Mountain hemlock

LITERATURE RECORDS: [Johnson \(2016\)](#) iNATURALIST OBSERVATIONS: [114286](#), [800013](#)**Class Polypodiopsida****Order Polypodiales****Family Dryopteridaceae*****Dryopteris expansa***

COMMON NAMES: Spreading woodfern

ARCTOS RECORDS: [KNWR:Herb:1461](#) iNATURALIST OBSERVATIONS: [125365](#)***Dryopteris fragrans***

COMMON NAMES: Fragrant shield-fern

***Polystichum lonchitis***

COMMON NAMES: Northern hollyfern

**Family Pteridaceae*****Cryptogramma acrostichoides***

COMMON NAMES: American rockbrake

***Cryptogramma crispera***

COMMON NAMES: Parsley fern

ARCTOS RECORDS: [KNWR:Herb:1457](#), [KNWR:Herb:1458](#)**Family Thelypteridaceae*****Phegopteris connectilis***

COMMON NAMES: Long beechfern

iNATURALIST OBSERVATIONS: [1558344](#)



**Family Woodsiaceae****Athyrium filix-femina**

COMMON NAMES: Common ladyfern

**Cystopteris fragilis**

COMMON NAMES: Brittle bladderfern

**Gymnocarpium dryopteris**

COMMON NAMES: Western oakfern

**Woodsia ilvensis**

COMMON NAMES: Rusty woodsia

**Class Psilotopsida****Order Ophioglossales****Family Ophioglossaceae****Botrychium boreale**

COMMON NAMES: Northern moonwort

**Botrychium lunaria**

COMMON NAMES: Common moonwort

**Bryophytes****Division Bryophyta****Class Bryopsida****Order Bartramiales****Family Bartramiaceae****Bartramia pomiformis**

COMMON NAMES: Bartramia moss

**Conostomum tetragonum**

COMMON NAMES: Conostomum moss

**Order Bryales****Family Bryaceae****Bryum caespiticium**

COMMON NAMES: Dry calcareous bryum moss

**Bryum weigelii**

COMMON NAMES: Weigel's bryum moss

**Leptobryum pyriforme**

COMMON NAMES: Leptobryum moss

**Pohlia cruda**

COMMON NAMES: Pohlia moss

**Pohlia elongata**

COMMON NAMES: Elongate pohlia moss

**Pohlia nutans**

COMMON NAMES: Pohlia moss

**Pohlia vexans**

COMMON NAMES: Pohlia moss

**Pohlia wahlenbergii**

COMMON NAMES: Wahlenberg's pohlia moss

**Family Mniaceae****Cinclidium stygium**

COMMON NAMES: Cinclidium moss

**Cinclidium subrotundum**GENBANK SEQUENCES: [JX843230.1](#)**Mnium spinulosum**

COMMON NAMES:argetooth calcareous moss

**Plagiomnium ciliare****Plagiomnium ellipticum****Plagiomnium insigne****Plagiomnium medium**

COMMON NAMES: Intermediate plagiomnium moss

**Plagiomnium rostratum**

COMMON NAMES: Plagiomnium moss

**Pseudobryum cinclidioides**

COMMON NAMES: Pseudobryum moss

**Rhizomnium magnifolium**

COMMON NAMES: Grandleaf rhizomnium moss

**Rhizomnium nudum**

COMMON NAMES: Naked rhizomnium moss

**Order Dicranales****Family Dicranaceae****Cynodontium polycarpon**

COMMON NAMES: Cynodontium moss

**Cynodontium strumiferum**

COMMON NAMES: Cynodontium moss

**Dichodontium pellucidum**

COMMON NAMES: Dichodontium moss

**Dicranella subulata**

COMMON NAMES: Dicranella moss

**Dicranoweisia crispula**

COMMON NAMES: Dicranoweisia moss

**Dicranum acutifolium**

COMMON NAMES: Acuteleaf dicranum moss

**Dicranum brevifolium**

COMMON NAMES: Shortleaf dicranum moss

**Dicranum elongatum**

COMMON NAMES: Elongate dicranum moss

**Dicranum fuscescens**

COMMON NAMES: Dicranum moss

**Dicranum howellii**

COMMON NAMES: Howell's dicranum moss

**Dicranum majus**

COMMON NAMES: Dicranum moss

**Dicranum montanum**

COMMON NAMES: Montane dicranum moss

**Dicranum polysetum**

COMMON NAMES: Undulate dicranum moss

**Dicranum scoparium**

COMMON NAMES: Dicranum moss

**Dicranum tauricum**

COMMON NAMES: Dicranum moss

**Oncophorus virens****Oncophorus wahlenbergii****Family Ditrichaceae****Ceratodon purpureus**

COMMON NAMES: Ceratodon moss

**Distichium capillaceum**

COMMON NAMES: Distichium moss

**Order Grimmiales****Family Grimmiaceae****Grimmia anodon**

COMMON NAMES: Grimmia dry rock moss

**Grimmia donniana**

COMMON NAMES: Donn's dry rock moss

**Racomitrium affine**

COMMON NAMES: Racomitrium moss

**Racomitrium canescens**

COMMON NAMES: Racomitrium moss

**Racomitrium ericoides**

COMMON NAMES: Racomitrium moss

**Racomitrium heterostichum**

COMMON NAMES: Racomitrium moss

**Racomitrium lanuginosum**

COMMON NAMES: Racomitrium moss

**Racomitrium microcarpon**

COMMON NAMES: Racomitrium moss

**Racomitrium sudeticum**

COMMON NAMES: Racomitrium moss

**Schistidium apocarpum****Schistidium boreale****Schistidium frigidum****Order Hypnales****Family Amblystegiaceae****Amblystegium serpens**

COMMON NAMES: Amblystegium moss

**Calliergon cordifolium**

COMMON NAMES: Calliergon moss

**Calliergon giganteum**

COMMON NAMES: Giant calliergon moss

**Calliergon stramineum**

COMMON NAMES: Calliergon moss

**Campylium hispidulum**

COMMON NAMES: Hispid campylium moss

**Campylium stellatum**

COMMON NAMES: Star campylium moss

**Drepanocladus sendtneri**

COMMON NAMES: Sendtner's drepanocladus moss

**Hamatocaulis vernicosus**

COMMON NAMES: Hamatocaulis moss

**Leptodictyum humile****Limprichtia revolvens**

COMMON NAMES: Limprichtia moss

**Palustriella commutata**

COMMON NAMES: Palustriella moss

**Pseudocalliergon turgescens**

COMMON NAMES: Pseudobryum moss

**Sanionia uncinata**

COMMON NAMES: Sanionia moss

**Sarmenthypnum sarmentosum**

COMMON NAMES: Sarmenthypnum moss

**Scorpidium scorpioides**

COMMON NAMES: Scorpidium moss

**Family Brachytheciaceae****Brachythecium albicans**

COMMON NAMES: Brachythecium moss

**Brachythecium calcareum**

COMMON NAMES: Calcareous brachythecium moss

**Brachythecium oedipodium**

COMMON NAMES: Brachythecium moss

**Brachythecium oxycladon****Brachythecium reflexum**

COMMON NAMES: Brachythecium moss

**Brachythecium rutabulum**

COMMON NAMES: Brachythecium moss

**Brachythecium salebrosum**

COMMON NAMES: Brachythecium moss

**Brachythecium velutinum**

COMMON NAMES: Brachythecium moss

**Eurhynchium oregonum**

COMMON NAMES: Oregon eurhynchium moss

**Eurhynchium pulchellum**

COMMON NAMES: Eurhynchium moss

**Pseudoscleropodium purum**

COMMON NAMES: Pseudoscleropodium moss

**Tomenthypnum nitens**

COMMON NAMES: Sickleaf tomentypnum moss

**Family Climaciaceae****Climacium dendroides**

COMMON NAMES: Tree climacium moss

**Family Helodiaceae****Helodium blandowii**

COMMON NAMES: Blandow's helodium moss

**Family Hylocomiaceae****Hylocomiastrum umbratum**

COMMON NAMES: Hylocomiastrum moss

**Hylocomium splendens**

COMMON NAMES: Splendid feather moss

**Pleurozium schreberi**

COMMON NAMES: Schreber's big red stem moss

**Rhytidiadelphus loreus**

COMMON NAMES: Goose neck moss

**Rhytidiadelphus squarrosus**

COMMON NAMES: Square goose neck moss

**Rhytidiadelphus triquetrus**

COMMON NAMES: Rough goose neck moss

**Family Hypnaceae****Hypnum circinale**

COMMON NAMES: Hypnum moss

**Hypnum revolutum**

COMMON NAMES: Revolute hypnum moss

**Hypnum subimponens**

COMMON NAMES: Hypnum moss

**Pseudotaxiphyllum elegans**

COMMON NAMES: Elegant pseudotaxiphyllum moss

**Ptilium crista-castrensis**

COMMON NAMES: Knights plume moss

**Pylaisiella polyantha**

COMMON NAMES: Pylaisiella moss

**Family Leskeaceae****Pseudoleskea incurvata**

COMMON NAMES: Pseudoleskea moss

**Family Plagiotheciaceae****Plagiothecium denticulatum**

COMMON NAMES: Toothed plagiothecium moss

**Plagiothecium laetum**

COMMON NAMES: Plagiomnium moss

**Family Pterigynandraceae****Myurella sibirica****Family Rhytidiaceae****Rhytidium rugosum**

COMMON NAMES: Rhytidium moss

**Order Orthotrichales****Family Orthotrichaceae****Orthotrichum obtusifolium****Orthotrichum rupestre****Order Pottiales****Family Pottiaceae****Desmatodon latifolius**

COMMON NAMES: Wideleaf desmatodon moss

**Tortella tortuosa**

COMMON NAMES: Tortured tortella moss

**Tortula norvegica**

COMMON NAMES: Norwegian tortula moss

**Tortula ruralis**

COMMON NAMES: Tortula moss

**Order Rhizogoniales****Family Aulacomniaceae****Aulacomnium androgynum**

COMMON NAMES: Aulacomnium moss

**Aulacomnium palustre**

COMMON NAMES: Aulacomnium moss

**Aulacomnium turgidum**

COMMON NAMES: Turgid aulacomnium moss

**Order Splachnales****Family Meesiaceae****Meesia longiseta**GENBANK SEQUENCES: [KC333337.1](#)**Meesia uliginosa**

COMMON NAMES: Meesia moss

**Paludella squarrosa****Family Splachnaceae****Splachnum sphaericum**

COMMON NAMES: Pinkstink dung moss

INATURALIST OBSERVATIONS: [806448](#)**Tetraplodon mnioides**

COMMON NAMES: Entireleaf nitrogen moss

**Order Timmiales****Family Timmiaceae****Timmia austriaca**

COMMON NAMES: Austria timmia moss

**Class Jungermanniopsida****Order Jungermanniales****Family Calypogeiaceae****Calypogeia neesiana****Family Cephaloziaceae****Cephalozia lunulifolia****Pleurocladula albescens****Family Gymnomitriaceae****Gymnomitrium corralioides****Gymnomitrium pacificum****Marsupella condensata****Family Jungermanniaceae****Tetralophozia setiformis****Family Lepidoziaceae****Lepidozia reptans**

COMMON NAMES: Little hands liverwort

**Family Lophocoleaceae****Lophocolea heterophylla****Family Myliaceae****Mylia anomala****Family Plagiochilaceae****Plagiochila asplenoides****Family Pseudolepicoleaceae****Blepharostoma trichophyllum**

COMMON NAMES: Blepharostoma

**Family Scapaniaceae****Anastrophyllum minutum****Barbilophozia attenuata**

**Barbilophozia barbata**

COMMON NAMES: Barbilophozia

**Barbilophozia hatcheri****Barbilophozia kunzeana****Barbilophozia lycopodioides****Barbilophozia quadriloba**

COMMON NAMES: Fourlobe barbilophozia

**Chandonanthus setiformis****Diplophyllum obtusifolium****Diplophyllum taxifolium****Gymnocolea inflata****Lophozia bicrenata****Lophozia incisa****Lophozia obtusa****Lophozia sudetica****Lophozia ventricosa****Scapania hyperborea****Scapania scandica****Tritomaria quinquedentata****Family Solenostomataceae****Nardia scalaris****Order Metzgeriales****Family Aneuraceae****Aneura pinguis****Order Porellales****Family Porellaceae****Porella cordaeana****Order Ptilidiales****Family Ptilidiaceae****Ptilidium ciliare****Ptilidium pulcherrimum****Class Marchantiopsida****Order Marchantiales****Family Conocephalaceae****Conocephalum conicum****Family Marchantiaceae****Marchantia polymorpha**

COMMON NAMES: Liverwort

**Class Polytrichopsida****Order Polytrichales****Family Polytrichaceae****Pogonatum contortum**

COMMON NAMES: Contorted pogonatum moss

**Pogonatum urnigerum****Polytrichastrum alpinum**

COMMON NAMES: Alpine polytrichastrum moss

**Polytrichum commune**

COMMON NAMES: Polytrichum moss

**Polytrichum juniperinum**

COMMON NAMES: Haircap moss

**Polytrichum longisetum**

COMMON NAMES: Polytrichum moss

**Polytrichum lyallii**

COMMON NAMES: Lyall's polytrichum moss

**Polytrichum piliferum**

COMMON NAMES: Polytrichum moss

**Polytrichum sexangulare**

COMMON NAMES: Polytrichum moss

**Polytrichum strictum**

COMMON NAMES: Polytrichum moss

**Class Sphagnopsida****Order Sphagnales****Family Sphagnaceae****Sphagnum alaskense**

COMMON NAMES: Sphagnum

**Sphagnum angustifolium**

COMMON NAMES: Sphagnum

**Sphagnum balticum**

COMMON NAMES: Baltic sphagnum

**Sphagnum bergianum**

COMMON NAMES: Berg's sphagnum

**Sphagnum capillifolium**

COMMON NAMES: Sphagnum

**Sphagnum compactum**

COMMON NAMES: Low sphagnum

**Sphagnum fuscum**

COMMON NAMES: Sphagnum

**Sphagnum girgensohnii**

COMMON NAMES: Girgensohn's sphagnum

**Sphagnum kenaiense****Sphagnum magellanicum**

COMMON NAMES: Magellan's sphagnum

**Sphagnum nitidum**

COMMON NAMES: Sphagnum

**Sphagnum papillosum**

COMMON NAMES: Papillose sphagnum

**Sphagnum riparium**

COMMON NAMES: Streamside sphagnum

**Sphagnum russowii**

COMMON NAMES: Russow's sphagnum

**Sphagnum squarrosum**

COMMON NAMES: Sphagnum

**Sphagnum steerei**

COMMON NAMES: Steere's sphagnum

**Sphagnum subsecundum**

COMMON NAMES: Sphagnum

**Sphagnum teres**

COMMON NAMES: Sphagnum

**Sphagnum warnstorffii**

COMMON NAMES: Warnstorff's sphagnum

**Class Tetrarchidopsida**

**Order Tetrarchidales**

**Family Tetrarchidaceae**

**Tetrarchis pellucida**

COMMON NAMES: Tetrarchis moss

**Fungi**

**Division Ascomycota**

**Class Arthoniomycetes**

**Order Arthoniales**

**Family Arthoniaceae**

**Arthonia apatetica**

COMMON NAMES: Dot lichen

**Arthonia edgewoodensis**

COMMON NAMES: Dot lichen

**Family Chrysotrichaceae**

**Chrysothrix candelaris**

COMMON NAMES: Dust lichen

**Class Chaetothyriomycetes**

**Order Verrucariales**

**Family Verrucariaceae**

**Verrucaria acrotella**

COMMON NAMES: Wart lichen

**Class Dothideomycetes**

**Order Botryosphaeriales**

**Family Botryosphaeriaceae**

**Diplodia tumefaciens**

COMMON NAMES: Branch gall canker of poplar

INATURALIST OBSERVATIONS: [2707864](#)

**Class Eurotiomycetes**

**Order Mycocaliciales**

**Family Mycocaliciaceae**

**Chaenothecopsis aeruginosa**

COMMON NAMES: Chaenothecopsis lichen

**Chaenothecopsis nana**

COMMON NAMES: Chaenothecopsis lichen

**Mycocalicium subtile**

COMMON NAMES: Mycocalicium lichen

**Phaeocalicium compressulum**

COMMON NAMES: Phaeocalicium lichen

**Stenocybe pullatula**

COMMON NAMES: Stenocybe lichen

**Class Lecanoromycetes**

**Family Acarosporaceae**

**Acarospora smaragdula**

COMMON NAMES: Cracked lichen

**Family Hymeneliaceae**

**Aspicilia myrinii**

COMMON NAMES: Myrin's aspicilia

**Aspicilia nigrinii**

**Tremolecia atrata**

COMMON NAMES: Disc lichen

**Family Icmadophilaceae**

**Icmadophila ericetorum**

COMMON NAMES: Peppermint drop lichen

ARCTOS RECORDS: [KNWR:Herb:9022](#)

**Thamnolia vermicularis**

COMMON NAMES: Whiteworm lichen

ARCTOS RECORDS: [KNWR:Herb:8849](#), [KNWR:Herb:9089](#)

**Family Umbilicariaceae**

**Umbilicaria angulata**

COMMON NAMES: Navel lichen

**Umbilicaria arctica**

COMMON NAMES: Arctic navel lichen

**Umbilicaria caroliniana**

COMMON NAMES: Carolina navel lichen

ARCTOS RECORDS: [KNWR:Herb:9093](#)

**Umbilicaria cylindrica**

COMMON NAMES: Cylindric navel lichen

ARCTOS RECORDS: [KNWR:Herb:9094](#)

**Umbilicaria deusta**

COMMON NAMES: Navel lichen

ARCTOS RECORDS: [KNWR:Herb:9095](#)

**Umbilicaria hyperborea**

COMMON NAMES: Navel lichen

**Umbilicaria krascheninnikovii**

COMMON NAMES: Krascheninnikov's navel lichen

**Umbilicaria proboscidea**

COMMON NAMES: Navel lichen

ARCTOS RECORDS: [KNWR:Herb:8853](#), [KNWR:Herb:9098](#), [KNWR:Herb:9099](#)

**Umbilicaria torrefacta**

COMMON NAMES: Navel lichen

ARCTOS RECORDS: [KNWR:Herb:9100](#)

**Umbilicaria hyperborea**

COMMON NAMES: Blistered rocktripe

**Order Agyriales**

**Family Agyriaceae**

**Placynthiella dasaea**

**Schaereria corticola**

**Trapeliopsis granulosa**

COMMON NAMES: Granular trapeliopsis lichen

**Xylographa parallela**

**Xylographa vitiligo**

COMMON NAMES: Xylographa lichen

**Order Lecanorales**

**Family Bacidiaceae**

**Bacidia rosella**

COMMON NAMES: Dotted lichen

**Biatora albohyalina**

**Biatora pallens**

**Biatora vernalis**

COMMON NAMES: Spring biatora lichen

**Catinaria atropurpurea**

COMMON NAMES: Catinaria lichen

**Catinaria neuschildii**

COMMON NAMES: Catinaria lichen

**Cliostomum griffithii**

COMMON NAMES: Griffith's cliostomum lichen

**Japewia subaurifera**

COMMON NAMES: Japewia lichen

**Japewia tornoensis**

COMMON NAMES: Japewia lichen

**Lecania cyrtella**

COMMON NAMES: Lecania lichen

**Lecania dubitans**

ARCTOS RECORDS: [KNWR:Herb:9025](#)

**Family Baeomycetaceae**

**Baeomyces placophyllus**

COMMON NAMES: Cap lichen

**Baeomyces rufus**

COMMON NAMES: Cap lichen

**Family Caliciaceae**

**Calicium adaequatum**

COMMON NAMES: Adequate spike lichen

**Calicium lenticulare**

COMMON NAMES: Spike lichen

**Calicium viride**

COMMON NAMES: Spike lichen

**Family Candelariaceae**

**Candelariella terrigena**

COMMON NAMES: Egg yolk lichen

**Candelariella xanthostigma**

COMMON NAMES: Egg yolk lichen

**Family Cladoniaceae**

**Cladina arbuscula**

COMMON NAMES: Reindeer lichen

**Cladina ciliata**

COMMON NAMES: Ciliate reindeer lichen

**Cladina mitis**

COMMON NAMES: Reindeer lichen

ARCTOS RECORDS: [KNWR:Herb:8861](#)

**Cladina portentosa**

COMMON NAMES: Reindeer lichen

**Cladina rangiferina**

COMMON NAMES: Greygreen reindeer lichen

ARCTOS RECORDS: [KNWR:Herb:8862](#)

**Cladina stellaris**

COMMON NAMES: Star reindeer lichen

ARCTOS RECORDS: [KNWR:Herb:8859](#)

**Cladina stygia**

COMMON NAMES: Black-footed reindeer

**Cladonia acuminata**

COMMON NAMES: Acutetip cup lichen

**Cladonia albonigra**

**Cladonia amaurocraea**

COMMON NAMES: Cup lichen

ARCTOS RECORDS: [KNWR:Herb:8857](#)

**Cladonia bacilliformis**

COMMON NAMES: Cup lichen

**Cladonia bellidiflora**

COMMON NAMES: Cup lichen

**Cladonia borealis**

COMMON NAMES: Boreal cup lichen

**Cladonia cariosa**

COMMON NAMES: Cup lichen

**Cladonia carneola**

COMMON NAMES: Cup lichen

**Cladonia cenotea**

COMMON NAMES: Cup lichen

**Cladonia chlorophaea**

COMMON NAMES: Cup lichen

**Cladonia coccifera**

COMMON NAMES: Cup lichen

**Cladonia coniocraea**

COMMON NAMES: Cup lichen

**Cladonia cornuta**

COMMON NAMES: Cup lichen

**Cladonia crispata**

COMMON NAMES: Cup lichen

**Cladonia deformis**

COMMON NAMES: Deformed cup lichen

**Cladonia digitata**

COMMON NAMES: Finger cup lichen

**Cladonia ecmocyna**

COMMON NAMES: Cup lichen

**Cladonia fimbriata**

COMMON NAMES: Cup lichen

**Cladonia furcata**

**Cladonia gracilis**

COMMON NAMES: Cup lichen

ARCTOS RECORDS: [KNWR:Herb:8858](#)

**Cladonia grayi**

**Cladonia hookeri**

**Cladonia kanewskii**

COMMON NAMES: Kanewsk's cup lichen

**Cladonia macilenta**

COMMON NAMES: Cup lichen

**Cladonia macroceras**

COMMON NAMES: Cup lichen

**Cladonia macrophyllodes**

COMMON NAMES: Cup lichen

**Cladonia maxima**

COMMON NAMES: Cup lichen

**Cladonia metacorallifera**

COMMON NAMES: Cup lichen

**Cladonia multiformis**

COMMON NAMES: Cup lichen

**Cladonia norvegica**

**Cladonia ochrochlora**

COMMON NAMES: Cup lichen

**Cladonia phyllophora**

COMMON NAMES: Cup lichen

**Cladonia pleurota**

COMMON NAMES: Cup lichen

**Cladonia pyxidata**

COMMON NAMES: Cup lichen

**Cladonia rei**

COMMON NAMES: Cup lichen

**Cladonia scabriuscula**

COMMON NAMES: Cup lichen

**Cladonia squamosa**

COMMON NAMES: Cup lichen

**Cladonia stricta**

COMMON NAMES: Cup lichen

**Cladonia subfurcata**

COMMON NAMES: Cup lichen

**Cladonia subulata**

COMMON NAMES: Cup lichen

**Cladonia sulphurina**

COMMON NAMES: Sulphur cup lichen

**Cladonia symphycharpa**

COMMON NAMES: Cup lichen

**Cladonia umbricola**

COMMON NAMES: Cup lichen, shaded cladonia

**Cladonia uncialis**

COMMON NAMES: Cup lichen

ARCTOS RECORDS: [KNWR:Herb:8856](#)

**Family Collemataceae**

**Collema furfuraceum**

COMMON NAMES: Jelly lichen

**Collema subflaccidum**

COMMON NAMES: Jelly lichen

**Leptogium burnetiae**

**Leptogium saturninum**

COMMON NAMES: Saturn skin lichen

**Leptogium teretiusculum**

COMMON NAMES: Terete skin lichen

**Family Ectolechiaceae**

**Lopadium coralloideum**

COMMON NAMES: Coral granular lichen

**Lopadium pezizoideum**

COMMON NAMES: Granular lichen

**Family Lecanoraceae**

**Lecanora boligera**

COMMON NAMES: Rim lichen

**Lecanora chlarotera**

COMMON NAMES: Rim lichen

**Lecanora circumborealis**

COMMON NAMES: Arctic rim lichen

**Lecanora farinaria**

COMMON NAMES: Rim lichen

**Lecanora fuliginosa**

**Lecanora fuscescens**

COMMON NAMES: Rim lichen

**Lecanora hagenii**

COMMON NAMES: Hagen's rim lichen

**Lecanora phaeostigma**

**Lecanora piniperda**

COMMON NAMES: Rim lichen

**Lecanora polytropa**

COMMON NAMES: Rim lichen

**Lecanora pulicaris**

COMMON NAMES: Rim lichen

**Lecanora rupicola**

COMMON NAMES: Rim lichen

**Lecanora schizochromatica**

**Lecanora symmicta**

COMMON NAMES: Rim lichen

**Lecanora varia**

COMMON NAMES: Rim lichen

**Lecidella elaeochroma**

COMMON NAMES: Lecidella lichen

**Lecidella euphorea**

COMMON NAMES: Lecidella lichen

**Lecidella wulfenii**

COMMON NAMES: Wulfen's lecidella lichen

**Pycnora elachista**

**Pycnora leucococca**

**Pycnora sorophora**

**Ramboldia cinnabarina**

**Scoliosporum perpusillum**

**Family Lecideaceae**

**Lecidea amaurospoda**

**Lecidea leprarioides**

**Lecidea nylanderi**

COMMON NAMES: Nylander's lecidea lichen

**Lecidea rubrocastanea**



**Family Lobariaceae****Lobaria hallii**

COMMON NAMES: Hall's lung lichen

**Lobaria linita**

COMMON NAMES: Lung lichen

ARCTOS RECORDS: [KNWR:Herb:8854](#), [KNWR:Herb:9026](#)**Lobaria pulmonaria**

COMMON NAMES: Lung lichen

INATURALIST OBSERVATIONS: [115173](#)**Lobaria scrobiculata**

COMMON NAMES: Lung lichen

**Pseudocyphellaria crocata**

COMMON NAMES: Pseudocyphellaria lichen

**Family Megalariaceae****Megalaria verrucosa****Family Micareaeae****Micarea denigrata**

COMMON NAMES: Dot lichen

**Micarea viridileprosa****Family Mycoblastaceae****Mycoblastus affinis**

COMMON NAMES: Blood lichen

ARCTOS RECORDS: [KNWR:Herb:9039](#)**Mycoblastus alpinus**

COMMON NAMES: Alpine blood lichen

**Mycoblastus sanguinarius**

COMMON NAMES: Blood lichen

**Family Nephromataceae****Nephroma arcticum**

COMMON NAMES: Arctic kidney lichen

ARCTOS RECORDS: [KNWR:Herb:9040](#) INATURALIST OBSERVATIONS: [114280](#)**Nephroma bellum**

COMMON NAMES: Kidney lichen

**Nephroma expallidum**

COMMON NAMES: Kidney lichen

**Nephroma isidiosum**ARCTOS RECORDS: [KNWR:Herb:9041](#)**Nephroma parile**

COMMON NAMES: Kidney lichen

**Family Pannariaceae****Fuscopannaria confusa****Leproloma membranaceum**

COMMON NAMES: Leproloma lichen

**Pannaria praetermissa****Psoroma hypnorum**

COMMON NAMES: Bowl lichen

**Family Parmeliaceae****Alectoria nigricans**

COMMON NAMES: Witch's hair lichen

**Alectoria sarmentosa**

COMMON NAMES: Witch's hair lichen

ARCTOS RECORDS: [KNWR:Herb:9001](#)**Allantoparmelia alpicola**

COMMON NAMES: Allantoparmelia lichen

ARCTOS RECORDS: [KNWR:Herb:9002](#)**Arctoparmelia centrifuga**

COMMON NAMES: Arctoparmelia lichen

ARCTOS RECORDS: [KNWR:Herb:9003](#)**Arctoparmelia incurva**

COMMON NAMES: Arctoparmelia lichen

**Arctoparmelia separata**

COMMON NAMES: Arctoparmelia lichen

**Asahinea chrysantha**

COMMON NAMES: Golden asahinea lichen

**Asahinea scholanderi**

COMMON NAMES: Scholander's asahinea lichen

ARCTOS RECORDS: [KNWR:Herb:9005](#)**Brodoa oroarctica**

COMMON NAMES: Arctic brodoa lichen

**Bryocaulon divergens**

COMMON NAMES: Bryocaulon lichen

ARCTOS RECORDS: [KNWR:Herb:8847](#), [KNWR:Herb:9006](#)**Bryoria capillaris**

COMMON NAMES: Horsehair lichen

**Bryoria carlottae**

COMMON NAMES: Carlott's horsehair lichen

**Bryoria fremontii**

COMMON NAMES: Fremont's horsehair lichen

**Bryoria fuscescens**

COMMON NAMES: Horsehair lichen

**Bryoria glabra**

COMMON NAMES: Horsehair lichen

**Bryoria lanestrus**

COMMON NAMES: Horsehair lichen

**Bryoria nitidula**

COMMON NAMES: Horsehair lichen

**Bryoria pseudofuscescens**

COMMON NAMES: Horsehair lichen

**Bryoria simplicior**

COMMON NAMES: Horsehair lichen

**Cetraria aculeata****Cetraria commixta****Cetraria cucullata**

SYNONYMS: Flavocetraria cucullata

ARCTOS RECORDS: [KNWR:Herb:9008](#), [KNWR:Herb:8846](#)**Cetraria ericetorum**

COMMON NAMES: Cetraria lichen

ARCTOS RECORDS: [KNWR:Herb:8845](#)**Cetraria hepatizon**

SYNONYMS: Melanelia hepatizon

ARCTOS RECORDS: [KNWR:Herb:9033](#)**Cetraria islandica**

COMMON NAMES: Island cetraria lichen

ARCTOS RECORDS: [KNWR:Herb:8844](#)**Cetraria kamczatica**

COMMON NAMES: Kamchatka cetraria lichen  
ARCTOS RECORDS: [KNWR:Herb:9009](#)

**Cetraria laevigata**

COMMON NAMES: Cetraria lichen  
ARCTOS RECORDS: [KNWR:Herb:9010](#)

**Cetraria nigricans**

COMMON NAMES: Blackened icelandmoss  
ARCTOS RECORDS: [KNWR:Herb:9011](#)

**Cetraria nigricascens**

**Cetraria nivalis**

SYNONYMS: Flavocetraria nivalis  
COMMON NAMES: Ragged snow  
ARCTOS RECORDS: [KNWR:Herb:8860](#)

**Cetrariella delisei**

ARCTOS RECORDS: [KNWR:Herb:9013](#)

**Coelocaulon aculeatum**

**Dactylina arctica**

COMMON NAMES: Arctic dactylina lichen  
ARCTOS RECORDS: [KNWR:Herb:8855](#) iNATURALIST OBSERVATIONS:  
[114281](#)

**Hypogymnia apinnata**

**Hypogymnia austerodes**

COMMON NAMES: Tube lichen

**Hypogymnia bitteri**

COMMON NAMES: Bitter tube lichen

**Hypogymnia canadensis**

COMMON NAMES: Pacific tube lichen

**Hypogymnia dissoluta**

**Hypogymnia duplicata**

COMMON NAMES: Duplicate tube lichen

**Hypogymnia enteromorpha**

COMMON NAMES: Tube lichen  
ARCTOS RECORDS: [KNWR:Herb:9018](#)

**Hypogymnia metaphysodes**

COMMON NAMES: Tube lichen  
ARCTOS RECORDS: [KNWR:Herb:9019](#)

**Hypogymnia occidentalis**

COMMON NAMES: Western tube lichen

**Hypogymnia physodes**

COMMON NAMES: Tube lichen  
ARCTOS RECORDS: [KNWR:Herb:9020](#) iNATURALIST OBSERVATIONS:  
[115176](#)

**Hypogymnia rugosa**

COMMON NAMES: Tube lichen  
ARCTOS RECORDS: [KNWR:Herb:9021](#)

**Imshaugia aleurites**

COMMON NAMES: Imshaugia lichen

**Melanelia exasperatula**

COMMON NAMES: Melanelia lichen

**Melanelia olivacea**

COMMON NAMES: Melanelia lichen  
ARCTOS RECORDS: [KNWR:Herb:9035](#)

**Melanelia panniformis**

COMMON NAMES: Melanelia lichen  
ARCTOS RECORDS: [KNWR:Herb:9036](#)

**Melanelia septentrionalis**

COMMON NAMES: Melanelia lichen

**Melanelia stygia**

COMMON NAMES: Melanelia lichen

**Melanelia subaurifera**

COMMON NAMES: Melanelia lichen  
ARCTOS RECORDS: [KNWR:Herb:9038](#)

**Melanelia trabeculata**

COMMON NAMES: Melanelia lichen

**Parmelia hygrophila**

COMMON NAMES: Shield lichen

**Parmelia marginalis**

**Parmelia omphalodes**

COMMON NAMES: Shield lichen

**Parmelia saxatilis**

COMMON NAMES: Shield lichen  
ARCTOS RECORDS: [KNWR:Herb:9045](#), [KNWR:Herb:9046](#)

**Parmelia skultii**

COMMON NAMES: Skult's shield lichen

**Parmelia squarrosa**

COMMON NAMES: Shield lichen

**Parmelia sulcata**

COMMON NAMES: Shield lichen  
ARCTOS RECORDS: [KNWR:Herb:9047](#), [KNWR:Herb:9048](#)

**Parmeliopsis ambigua**

COMMON NAMES: Ambiguous bran lichen  
ARCTOS RECORDS: [KNWR:Herb:9049](#)

**Parmeliopsis hyperopta**

COMMON NAMES: Bran lichen

**Platismatia glauca**

COMMON NAMES: Ragbag

**Pseudephebe minuscula**

COMMON NAMES: Blackcurly lichen  
ARCTOS RECORDS: [KNWR:Herb:9064](#)

**Pseudephebe pubescens**

COMMON NAMES: Blackcurly lichen  
ARCTOS RECORDS: [KNWR:Herb:8852](#)

**Rhizoplaca melanophthalma**

COMMON NAMES: Rimmed navel lichen

**Tuckermannopsis chlorophylla**

COMMON NAMES: Greenleaf tuckermannopsis lichen  
ARCTOS RECORDS: [KNWR:Herb:9092](#)

**Tuckermannopsis sepincola**

SYNONYMS: Cetraria sepincola  
COMMON NAMES: Tuckermannopsis lichen  
ARCTOS RECORDS: [KNWR:Herb:9012](#)

**Usnea lapponica**

COMMON NAMES: Lapland beard lichen

**Usnea scabrata**

COMMON NAMES: Beard lichen

**Usnea subfloridana**

COMMON NAMES: Beard lichen

**Usnea substerilis**

COMMON NAMES: Beard lichen

**Vulpicida pinastri**

**Family Peltigeraceae**

**Peltigera apthosa**

COMMON NAMES: Felt lichen

**Peltigera britannica**

COMMON NAMES: British felt lichen

ARCTOS RECORDS: [KNWR:Herb:9051](#)**Peltigera canina**

COMMON NAMES: Felt lichen

ARCTOS RECORDS: [KNWR:Herb:9052](#)**Peltigera collina**

COMMON NAMES: Felt lichen

**Peltigera conspersa****Peltigera degenii**

COMMON NAMES: Degen's felt lichen

ARCTOS RECORDS: [KNWR:Herb:9053](#)**Peltigera didactyla**

COMMON NAMES: Felt lichen

**Peltigera extenuata****Peltigera kristinssonii**

COMMON NAMES: Felt lichen

**Peltigera leucophlebia**

COMMON NAMES: Felt lichen

**Peltigera macilentia****Peltigera malacea**

COMMON NAMES: Felt lichen

ARCTOS RECORDS: [KNWR:Herb:9055](#)**Peltigera membranacea**

COMMON NAMES: Membraneous felt lichen

**Peltigera monticola****Peltigera neckeri**

COMMON NAMES: Necker's felt lichen

**Peltigera neopolydactyla**

COMMON NAMES: Felt lichen

**Peltigera orbicularis****Peltigera polydactylon**

COMMON NAMES: Felt lichen

ARCTOS RECORDS: [KNWR:Herb:9057](#)**Peltigera ponojensis**

COMMON NAMES: Felt lichen

ARCTOS RECORDS: [KNWR:Herb:9058](#)**Peltigera praetextata**

COMMON NAMES: Felt lichen

**Peltigera retifoveata**

COMMON NAMES: Felt lichen

**Peltigera rufescens**

COMMON NAMES: Felt lichen

**Peltigera scabrosa**

COMMON NAMES: Felt lichen

ARCTOS RECORDS: [KNWR:Herb:9059](#)**Peltigera sphaerica****Solorina crocea**

COMMON NAMES: Chocolate chip lichen

**Family Phlyctidaceae****Phlyctis argena**

COMMON NAMES: Blemished lichen

**Family Physciaceae****Buellia arborea**

COMMON NAMES: Disc lichen

**Buellia disciformis**

COMMON NAMES: Disc lichen

**Buellia griseovirens**

COMMON NAMES: Disc lichen

**Buellia punctata**

COMMON NAMES: Disc lichen

**Heterodermia speciosa**ARCTOS RECORDS: [KNWR:Herb:9017](#)**Phaeophyscia endococcinodes**

COMMON NAMES: Wreath lichen

**Physcia adscendens**ARCTOS RECORDS: [KNWR:Herb:9061](#)**Physcia aipolia**ARCTOS RECORDS: [KNWR:Herb:9072](#)**Physcia caesia**

COMMON NAMES: Rosette lichen

**Physcia dubia**

COMMON NAMES: Rosette lichen

**Physcia stellaris**

COMMON NAMES: Starry rosette lichen

**Rinodina degeliana****Rinodina efflorescens**

COMMON NAMES: Rinodina lichen

**Rinodina endospora****Rinodina flavosoralifera****Rinodina griseosoralifera****Rinodina mniaraea****Rinodina orculata****Rinodina septentrionalis**

COMMON NAMES: Rinodina lichen

**Rinodina sheardii****Rinodina stictica****Rinodina turfacea****Family Porpidiaceae****Amygdalaria pelobotryon**

COMMON NAMES: Amygdalaria lichen

**Amygdalaria subdissenticus****Bellemerea alpina**

COMMON NAMES: Alpine bellemerea lichen

**Bellemerea subsorediza**

COMMON NAMES: Bellemerea lichen

**Mycobilimbia epixanthoides****Mycobilimbia sanguineoatra****Porpidia flavocaerulescens**

COMMON NAMES: Porpidia lichen

**Porpidia thomsonii**

COMMON NAMES: Thomson's porpidia lichen

**Family Ramalinaceae**

**Cliostomum flavidulum**

COMMON NAMES: Cliostomum lichen

**Ramalina dilacerata**

COMMON NAMES: Cartilage lichen

**Ramalina farinacea**

COMMON NAMES: Farinose cartilage lichen

**Ramalina intermedia**

COMMON NAMES: Intermediate cartilage lichen

**Ramalina obtusata**

COMMON NAMES: Obtuse cartilage lichen

ARCTOS RECORDS: [KNWR:Herb:9066](#)**Ramalina roesleri**

COMMON NAMES: Roesler's cartilage lichen

**Family Rhizocarpaceae****Rhizocarpon alpicola****Rhizocarpon badioatrum**

COMMON NAMES: Map lichen

**Rhizocarpon eupetraeoides**

COMMON NAMES: Map lichen

**Rhizocarpon eupetraeum**

COMMON NAMES: Map lichen

**Rhizocarpon ferax**

COMMON NAMES: Map lichen

**Rhizocarpon geographicum**

COMMON NAMES: World map lichen

**Rhizocarpon grande**

COMMON NAMES: Big map lichen

**Family Sphaerophoraceae****Sphaerophorus fragilis**

COMMON NAMES: Fragile ball lichen

ARCTOS RECORDS: [KNWR:Herb:9068](#)**Sphaerophorus globosus**

COMMON NAMES: Globe ball lichen

ARCTOS RECORDS: [KNWR:Herb:8851](#), [KNWR:Herb:9070](#)**Family Stereocaulaceae****Lepraria cacuminum****Lepraria caesioalba****Lepraria incana**

COMMON NAMES: Dust lichen

**Lepraria neglecta**

COMMON NAMES: Dust lichen

**Stereocaulon alpinum**

COMMON NAMES: Alpine snow lichen

ARCTOS RECORDS: [KNWR:Herb:8850](#), [KNWR:Herb:9077](#)**Stereocaulon arenarium**

COMMON NAMES: Arenaria snow lichen

ARCTOS RECORDS: [KNWR:Herb:9078](#), [KNWR:Herb:9079](#)**Stereocaulon botryosum**

COMMON NAMES: Snow lichen

ARCTOS RECORDS: [KNWR:Herb:9080](#)**Stereocaulon grande**

COMMON NAMES: Grand snow lichen

**Stereocaulon intermedium**

COMMON NAMES: Intermediate snow lichen

ARCTOS RECORDS: [KNWR:Herb:9081](#), [KNWR:Herb:9084](#)**Stereocaulon paschale**

COMMON NAMES: Snow lichen

ARCTOS RECORDS: [KNWR:Herb:9082](#)**Stereocaulon rivulorum**

COMMON NAMES: Snow lichen

ARCTOS RECORDS: [KNWR:Herb:9085](#)**Stereocaulon tomentosum**

COMMON NAMES: Tomentose snow lichen

**Family Teloschistaceae****Caloplaca holocarpa**

COMMON NAMES: Orange lichen

ARCTOS RECORDS: [KNWR:Herb:9007](#)**Caloplaca nivalis**

COMMON NAMES: Orange lichen

**Caloplaca tetraspora**

COMMON NAMES: Orange lichen

**Xanthoria candelaria**

COMMON NAMES: Orange wall lichen

ARCTOS RECORDS: [KNWR:Herb:9102](#)**Xanthoria elegans**

COMMON NAMES: Elegant orange wall lichen

ARCTOS RECORDS: [KNWR:Herb:9104](#), [KNWR:Herb:9105](#)**Xanthoria polycarpa**

COMMON NAMES: Orange wall lichen

**Order Ostropales****Family Porinaceae****Trichothelium chloroticum****Order Pertusariales****Family Pertusariaceae****Ochrolechia androgyna**

COMMON NAMES: Crabseye lichen

**Ochrolechia frigida**

COMMON NAMES: Cold crabseye lichen

**Ochrolechia grimmiae****Ochrolechia gyalectina**

COMMON NAMES: Crabseye lichen

**Ochrolechia oregonensis**

COMMON NAMES: Oregon crabseye lichen

**Ochrolechia szatalaensis**

COMMON NAMES: Szatala's crabseye lichen

**Ochrolechia upsaliensis**

COMMON NAMES: Upsala crabseye lichen

**Pertusaria alaskensis**

COMMON NAMES: Alaska pore lichen

**Pertusaria carneopallida**

COMMON NAMES: Pore lichen

**Pertusaria dactylina**

COMMON NAMES: Pore lichen

**Pertusaria oculata**

COMMON NAMES: Pore lichen

**Pertusaria ophthalmiza**

COMMON NAMES: Pore lichen

**Pertusaria subobducens**

COMMON NAMES: Pore lichen

**Pertusaria suboculata**

COMMON NAMES: Pore lichen

**Order Teloschistales****Family Leprocaulaceae****Leprocaulon subalbicans**

COMMON NAMES: Mealy lichen

**Class Leotiomycetes****Order Rhytismatales****Family Cudoniaceae****Spathularia sp.**iNATURALIST OBSERVATIONS: [1228496](#), [3808900](#)**Class Sordariomycetes****Order Diaporthales****Family Valsaceae****Valsa melanodiscus**GENBANK SEQUENCES: [JX438621.1](#)**Division Basidiomycota****Class Basidiomycetes****Order Agaricales****Family Agaricaceae****Agaricus campestris**

COMMON NAMES: Meadow mushroom, field mushroom

**Agaricus silvicola**

COMMON NAMES: Wood mushroom

iNATURALIST OBSERVATIONS: [829983](#)**Bovista plumbea**

COMMON NAMES: Lead-grey puffball

iNATURALIST OBSERVATIONS: [863107](#)**Coprinus comatus**

COMMON NAMES: Shaggy mane

iNATURALIST OBSERVATIONS: [863074](#)**Phaeolepiota aurea**

COMMON NAMES: Alaskan gold

iNATURALIST OBSERVATIONS: [863059](#)**Family Amanitaceae****Amanita muscaria**

COMMON NAMES: Fly agaric

iNATURALIST OBSERVATIONS: [877727](#)**Family Cortinariaceae****Cortinarius caperatus**

COMMON NAMES: Gypsy mushroom

ARCTOS RECORDS: [KNWR:Herb:8949](#) iNATURALIST OBSERVATIONS: [877764](#)**Family Lycoperdaceae****Calvatia booniana**

COMMON NAMES: Western giant puffball

ARCTOS RECORDS: [KNWR:Herb:7334](#)**Lycoperdon pyriforme**

COMMON NAMES: Stump puffball

iNATURALIST OBSERVATIONS: [871329](#)**Family Russulaceae****Lactarius deliciosus**

COMMON NAMES: Saffron milkcap

**Russula emetica**

COMMON NAMES: the sickener

iNATURALIST OBSERVATIONS: [872034](#)**Russula xerampelina**

COMMON NAMES: Shrimp russula

iNATURALIST OBSERVATIONS: [871319](#)**Family Tricholomataceae****Leucopaxillus gentianeus**

COMMON NAMES: Bitter brown leucopaxillus

ARCTOS RECORDS: [KNWR:Herb:10340](#)**Family Typhulaceae****Typhula sp.**iNATURALIST OBSERVATIONS: [3855439](#)**Order Boletales****Family Boletaceae****Boletus edulis**

COMMON NAMES: King bolete, cep, porcini

**Chalciporus piperatus**

COMMON NAMES: Peppery bolete

iNATURALIST OBSERVATIONS: [868967](#)**Leccinum alaskanum**

COMMON NAMES: Alaskan scaber-stalk

ARCTOS RECORDS: [KNWR:Herb:8952](#) iNATURALIST OBSERVATIONS: [863048](#)**Leccinum holopus**

COMMON NAMES: Ghost bolete

ARCTOS RECORDS: [KNWR:Herb:8955](#)**Order Hymenochaetales****Family Hymenochaetaceae****Inonotus obliquus**

COMMON NAMES: Chaga mushroom

ARCTOS RECORDS: [KNWR:Herb:8832](#) iNATURALIST OBSERVATIONS: [1298058](#)**Onnia tomentosa**

COMMON NAMES: Woolly velvet polypore

iNATURALIST OBSERVATIONS: [3855184](#)**Phellinus igniarius**

COMMON NAMES: Iqmik

**Order Polyporales****Family Fomitopsidaceae****Piptoporus betulinus**

INATURALIST OBSERVATIONS: [1353794](#)

### Order Russulales

#### Family Hericiaceae

##### *Heridium coralloides*

COMMON NAMES: Coral tooth

ARCTOS RECORDS: [KNWR:Herb:8979](#)

### Order Thelephorales

#### Family Bankeraceae

##### *Hydnellum peckii*

INATURALIST OBSERVATIONS: [211126](#)

##### *Sarcodon imbricatus*

COMMON NAMES: Scaly hedgehog

INATURALIST OBSERVATIONS: [3905725](#)

### Class Dacrymycetes

#### Order Dacrymycetales

#### Family Dacrymycetaceae

##### *Dacrymyces chrysospermus*

COMMON NAMES: Witch's butter

ARCTOS RECORDS: [KNWR:Herb:10336](#)

### Class Pucciniomycetes

#### Order Pucciniales

#### Family Coleosporiaceae

##### *Chrysomyxa pyrolae*

SYNONYMS: *Chrysomyxa pirolata*

COMMON NAMES: Inland spruce cone rust

INATURALIST OBSERVATIONS: [4471179](#)

#### Family Pucciniaceae

##### *Puccinia linkii*

INATURALIST OBSERVATIONS: [3746023](#)

#### Family Pucciniastraceae

##### *Melampsorium betulinum*

COMMON NAMES: Birch rust

DISTRIBUTION AND TRENDS: This species was observed by Steve Swenson (USDA Forest Service) on September 2, 2014 along Swanson River Road.

INATURALIST OBSERVATIONS: [869843](#)

### Class Teliomycetes

#### Order Uredinales

#### Family Coleosporiaceae

##### *Chrysomyxa arctostaphyli*

COMMON NAMES: Spruce broom rust

##### *Chrysomyxa ledicola*

COMMON NAMES: Spruce needle rust

#### Family Pucciniaceae

##### *Gymnosporangium cornutum*

COMMON NAMES: Mountain ash juniper rust

### Division Chytridiomycota

#### Class Chytridiomycetes

#### Order Rhizophydiales

#### Family Rhizophydiales Incertae Sedis

##### *Batrachochytrium dendrobatidis*

COMMON NAMES: Amphibian chytrid

### Division Myxomycota

#### Class Myxomycetes

#### Order Physariales

#### Family Didymiaceae

##### *Mucilago crustacea*

COMMON NAMES: Dog sick slime mould

INATURALIST OBSERVATIONS: [871014](#)

### Class Phycomycota

#### Order Peronosporales

#### Family Pythiaceae

##### *Phytophthora alni*

COMMON NAMES: Alder phytophthora

### Unicellular Organisms

#### Phylum Cercozoa

#### Class Thecofilosea

#### Order Tectofilosida

#### Family Amphitremidae

##### *Amphitrema wrightianum*

#### Phylum Heterokonta

#### Class Labyrinthulomycetes

#### Order Labyrinthulomycetes

#### Family Amphitraemidae

##### *Archerella flavum*

#### Phylum Protozoa

#### Class Filosia

#### Order Aconchulinida

#### Family Euglyphidae

##### *Assulina seminulum*

##### *Corythion dubium*

##### *Euglypha ciliata*

##### *Euglypha compressa*

##### *Euglypha rotunda*

##### *Placocista spinosa*

##### *Sphenoderia lenta*

Trinema sp.

Class Lobosa

Order Arcellinida

Family Arcellidae

Arcella arenaria

Family Centropyxidae

Centropyxis aculeata

Centropyxis aerophila

Centropyxis laevigata

Family Cryptodiffugiidae

Cryptodiffugia oviformis

Family Diffugina Incertae Sedis

Bullinularia indica

Family Heleoperidae

Heleopera petricola

Heleopera rosea

Heleopera sphagni

Heleopera sylvatica

Family Hyalospheniidae

Hyalosphenia elegans

Hyalosphenia papilio

Family Nebelidae

Nebela dentistoma

Nebela griseola

Nebela marginata

Nebela militaris

Nebela tinctoria

Family Phryganellidae

Phryganella acropodia

Family Trigonopyxidae

Trigonopyxis arcuata





# Species believed to be extirpated from the Refuge

## Vertebrates

### Phylum Chordata

#### Class Actinopterygii

##### Order Esociformes

###### Family Esocidae

###### †*Esox lucius*

COMMON NAMES: Northern pike

##### Order Gadiformes

###### Family Gadidae

###### †*Lota lota*

COMMON NAMES: Burbot, ellpout

#### Class Aves

##### Order Anseriformes

###### Family Anatidae

###### †*Anser cygnoides*

COMMON NAMES: Chinese goose

#### Class Mammalia

##### Order Artiodactyla

###### Family Cervidae

###### †*Odocoileus hemionus*

COMMON NAMES: Sitka black-tailed deer

## Vascular Plants

### Division Tracheophyta

#### Class Magnoliopsida

##### Order Alismatales

###### Family Hydrocharitaceae

###### †*Elodea canadensis* x *nuttallii*

##### Order Asterales

###### Family Asteraceae

###### †*Achillea ptarmica*

COMMON NAMES: Sneezeweed

###### †*Helianthus annuus*

COMMON NAMES: Annual sunflower

###### †*Sonchus arvensis*

COMMON NAMES: Field sowthistle

###### †*Tanacetum vulgare*

COMMON NAMES: Common tansy

##### Order Boraginales

###### Family Boraginaceae

###### †*Asperugo procumbens*

COMMON NAMES: German-madwort

##### Order Caryophyllales

###### Family Polygonaceae

###### †*Fallopia convolvulus*

COMMON NAMES: Black bindweed

##### Order Dipsacales

###### Family Adoxaceae

###### †*Viburnum opulus*

COMMON NAMES: American cranberrybush

##### Order Fabales

###### Family Fabaceae

###### †*Cytisus scoparius*

COMMON NAMES: Scotch broom

##### Order Fagales

###### Family Betulaceae

###### †*Betula pendula*

COMMON NAMES: Silver birch

##### Order Poales

###### Family Poaceae

###### †*Bromus tectorum*

COMMON NAMES: Cheatgrass

###### †*Hordeum vulgare*

COMMON NAMES: Barley

###### †*Zizania aquatica*

DISTRIBUTION AND TRENDS: *Zizania aquatica* was planted on what was then the Kenai National Moose Range in fall of 1961 (Hakala et al., 1962). The plants grew but failed to reproduce. See Fair (2011) for the story of wilde rice plantings on the Refuge.

##### Order Rosales

**Family Rosaceae****†*Sorbaria sorbifolia***

COMMON NAMES: False spirea

## Change log

Date	Agent	Changes
2016-11-21	M. L. Bowser	Added <i>Alloperla severa</i> based on record in <a href="#">Stewart and Oswood (2006)</a> cited by Arctos record <a href="http://arctos.database.museum/guid/UAMObs:Ento:101304">http://arctos.database.museum/guid/UAMObs:Ento:101304</a> .
2016-11-21	M. L. Bowser	Added <i>Eurytoma</i> sp. bold:aav3982 based on sequence record <a href="http://boldsystems.org/index.php/Public_RecordView?processid=MOBIL1248-16">http://boldsystems.org/index.php/Public_RecordView?processid=MOBIL1248-16</a> .
2016-11-21	M. L. Bowser	Added <i>Mycetophila</i> sp. bold:aag4978 based on sequence record <a href="http://boldsystems.org/index.php/Public_RecordView?processid=MOBIL1587-16">http://boldsystems.org/index.php/Public_RecordView?processid=MOBIL1587-16</a> .
2016-11-21	M. L. Bowser	Added <i>Rymosia</i> sp. bold:acx7837 based on sequence record <a href="http://boldsystems.org/index.php/Public_RecordView?processid=MOBIL860-15">http://boldsystems.org/index.php/Public_RecordView?processid=MOBIL860-15</a> .
2016-11-23	M. L. Bowser	Added <i>Cratyna</i> sp. bold:aah3993 based on sequence data <a href="http://boldsystems.org/index.php/Public_RecordView?processid=MOBIL1239-16">http://boldsystems.org/index.php/Public_RecordView?processid=MOBIL1239-16</a> .
2016-11-23	M. L. Bowser	Added <i>Mompha</i> sp. bold:aay9167 based on sequence data <a href="http://boldsystems.org/index.php/Public_RecordView?processid=MOBIL1402-16">http://boldsystems.org/index.php/Public_RecordView?processid=MOBIL1402-16</a> .
2016-11-28	M. L. Bowser	Added <i>Dorypteryx domestica</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:11081">http://arctos.database.museum/guid/KNWR:Ento:11081</a> .
2016-12-01	M. L. Bowser	Added <i>Aneurus simplex</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:10748">http://arctos.database.museum/guid/KNWR:Ento:10748</a> .
2016-12-08	M. L. Bowser	Added <i>Ancistrocerus waldenii</i> based on specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:124950">http://arctos.database.museum/guid/UAM:Ento:124950</a> .
2016-12-08	M. L. Bowser	Added <i>Andrena clarkella</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:8381">http://arctos.database.museum/guid/KNWR:Ento:8381</a> .
2016-12-08	M. L. Bowser	Added <i>Corticarina minuta</i> based on specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:111586">http://arctos.database.museum/guid/UAM:Ento:111586</a> .
2016-12-08	M. L. Bowser	Added <i>Crabro latipes</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:8386">http://arctos.database.museum/guid/KNWR:Ento:8386</a> .
2016-12-09	M. L. Bowser	Added <i>Androsace alaskana</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Herb:10365">http://arctos.database.museum/guid/KNWR:Herb:10365</a> .
2016-12-09	M. L. Bowser	Added <i>Anthocoris musculus</i> based on specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:150444">http://arctos.database.museum/guid/UAM:Ento:150444</a> .
2016-12-09	M. L. Bowser	Added <i>Aptilotus parvipennis</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:8349">http://arctos.database.museum/guid/KNWR:Ento:8349</a> .
2016-12-09	M. L. Bowser	Added <i>Arge cyra</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:1627">http://arctos.database.museum/guid/KNWR:Ento:1627</a> .
2016-12-09	M. L. Bowser	Added <i>Brachythops wuestneii</i> based on specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:149987">http://arctos.database.museum/guid/UAM:Ento:149987</a> .
2016-12-09	M. L. Bowser	Added <i>Caloptilia</i> sp. bold:aad2622 based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:3630">http://arctos.database.museum/guid/KNWR:Ento:3630</a> .
2016-12-09	M. L. Bowser	Added <i>Capnia confusa</i> based on observation record <a href="http://arctos.database.museum/guid/UAMObs:Ento:100686">http://arctos.database.museum/guid/UAMObs:Ento:100686</a> , citing <a href="#">Stewart and Oswood (2006)</a> .
2016-12-09	M. L. Bowser	Added <i>Carpatolechia proximella</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:3300">http://arctos.database.museum/guid/KNWR:Ento:3300</a> .
2016-12-09	M. L. Bowser	Added <i>Chorthippus curtipennis</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:8513">http://arctos.database.museum/guid/KNWR:Ento:8513</a> .
2016-12-09	M. L. Bowser	Added <i>Cnodacophora nasoni</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:3098">http://arctos.database.museum/guid/KNWR:Ento:3098</a> .
2016-12-09	M. L. Bowser	Added <i>Coccinella transversoguttata</i> based on specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:111537">http://arctos.database.museum/guid/UAM:Ento:111537</a> .
2016-12-09	M. L. Bowser	Added <i>Colastes</i> sp. bold:aah7214 based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:1629">http://arctos.database.museum/guid/KNWR:Ento:1629</a> .
2016-12-09	M. L. Bowser	Added <i>Cyphon variabilis</i> based on specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:282600">http://arctos.database.museum/guid/UAM:Ento:282600</a> .
2016-12-09	M. L. Bowser	Added <i>Dendrocerus laevis</i> based on specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:124752">http://arctos.database.museum/guid/UAM:Ento:124752</a> .

Date	Agent	Changes
2016-12-09	M. L. Bowser	Added <i>Dictya umbroides</i> based on specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:138868">http://arctos.database.museum/guid/UAM:Ento:138868</a> .
2016-12-09	M. L. Bowser	Added <i>Dinotrema</i> sp. bold:abz5628 based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:1597">http://arctos.database.museum/guid/KNWR:Ento:1597</a> .
2016-12-09	M. L. Bowser	Added <i>Schenkia</i> sp. bold:aaf4451 based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:7247">http://arctos.database.museum/guid/KNWR:Ento:7247</a> .
2016-12-09	M. L. Bowser	Added <i>Tachina marklini</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:10668">http://arctos.database.museum/guid/KNWR:Ento:10668</a> .
2016-12-09	M. L. Bowser	Updated <i>Caelius browni</i> to <i>Caelius montana</i> based on updated identification for specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:94513">http://arctos.database.museum/guid/UAM:Ento:94513</a> .
2016-12-09	M. L. Bowser	Updated <i>Criomorpus wilhelmi</i> to <i>Criomorpus inconspicuus</i> .
2016-12-09	M. L. Bowser	Updated <i>Eros aurora</i> to <i>Dictyoptera aurora</i> .
2016-12-12	M. L. Bowser	Added <i>Draba incerta</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Herb:10366">http://arctos.database.museum/guid/KNWR:Herb:10366</a> .
2016-12-12	M. L. Bowser	Added <i>Draeculacephala angulifera</i> based on specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:176307">http://arctos.database.museum/guid/UAM:Ento:176307</a> .
2016-12-12	M. L. Bowser	Added <i>Dryomyza setosa</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:3356">http://arctos.database.museum/guid/KNWR:Ento:3356</a> .
2016-12-12	M. L. Bowser	Added <i>Ellychnia</i> sp. based on specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:110846">http://arctos.database.museum/guid/UAM:Ento:110846</a> .
2016-12-12	M. L. Bowser	Added <i>Emblyna manitoba</i> based on specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:313714">http://arctos.database.museum/guid/UAM:Ento:313714</a> .
2016-12-12	M. L. Bowser	Added <i>Epinotia trigonella</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:7431">http://arctos.database.museum/guid/KNWR:Ento:7431</a> .
2016-12-12	M. L. Bowser	Added <i>Erigeron compositus</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Herb:10344">http://arctos.database.museum/guid/KNWR:Herb:10344</a> .
2016-12-12	M. L. Bowser	Added <i>Eucapnopsis brevicauda</i> based on record in Stewart and Oswood (2006) cited by observation record <a href="http://arctos.database.museum/guid/UAMObs:Ento:100735">http://arctos.database.museum/guid/UAMObs:Ento:100735</a> .
2016-12-12	M. L. Bowser	Added <i>Eucnecosum brachypterum</i> based on specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:253710">http://arctos.database.museum/guid/UAM:Ento:253710</a> .
2016-12-12	M. L. Bowser	Added <i>Eulithis propulsata</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:7337">http://arctos.database.museum/guid/KNWR:Ento:7337</a> .
2016-12-12	M. L. Bowser	Added <i>Euphrasia mollis</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Herb:8829">http://arctos.database.museum/guid/KNWR:Herb:8829</a> .
2016-12-12	M. L. Bowser	Added <i>Eurytoma</i> sp. bold:acg6990 based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:3415">http://arctos.database.museum/guid/KNWR:Ento:3415</a> .
2016-12-12	M. L. Bowser	Added <i>Fannia postica</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:2005">http://arctos.database.museum/guid/KNWR:Ento:2005</a> .
2016-12-12	M. L. Bowser	Added <i>Fannia serena</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:2144">http://arctos.database.museum/guid/KNWR:Ento:2144</a> .
2016-12-12	M. L. Bowser	Added <i>Fannia subpellucens</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:7762">http://arctos.database.museum/guid/KNWR:Ento:7762</a> .
2016-12-12	M. L. Bowser	Added <i>Festuca brevissima</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Herb:10356">http://arctos.database.museum/guid/KNWR:Herb:10356</a> .
2016-12-12	M. L. Bowser	Added <i>Gesneria centuriella</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:8477">http://arctos.database.museum/guid/KNWR:Ento:8477</a> .
2016-12-12	M. L. Bowser	Added <i>Gonatopus ashmeadi</i> based on specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:96674">http://arctos.database.museum/guid/UAM:Ento:96674</a> .
2016-12-12	M. L. Bowser	Added <i>Helicoconis</i> sp. based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:5489">http://arctos.database.museum/guid/KNWR:Ento:5489</a> .
2016-12-12	M. L. Bowser	Added <i>Hellinsia brucei</i> based on specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:242234">http://arctos.database.museum/guid/UAM:Ento:242234</a> .
2016-12-12	M. L. Bowser	Added <i>Helophilus</i> sp. bold:aaa3292 based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:1565">http://arctos.database.museum/guid/KNWR:Ento:1565</a> .
2016-12-12	M. L. Bowser	Added <i>Heteroderma speciosa</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Herb:9017">http://arctos.database.museum/guid/KNWR:Herb:9017</a> .
2016-12-12	M. L. Bowser	Added <i>Hippodamia tredecimpunctata</i> based on specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:111510">http://arctos.database.museum/guid/UAM:Ento:111510</a> .
2016-12-12	M. L. Bowser	Added <i>Hydnellum peckii</i> based on observation record <a href="http://www.inaturalist.org/observations/211126">http://www.inaturalist.org/observations/211126</a> .
2016-12-12	M. L. Bowser	Added <i>Isoperla petersoni</i> based on record in Stewart and Oswood (2006) cited by observation record <a href="http://arctos.database.museum/guid/UAMObs:Ento:101626">http://arctos.database.museum/guid/UAMObs:Ento:101626</a> .
2016-12-12	M. L. Bowser	Added <i>Javesella atrata</i> based on specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:282638">http://arctos.database.museum/guid/UAM:Ento:282638</a> .

Date	Agent	Changes
2016-12-12	M. L. Bowser	Added <i>Kosswigianella analis</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:10179">http://arctos.database.museum/guid/KNWR:Ento:10179</a> .
2016-12-12	M. L. Bowser	Added <i>Kusnezoviella macleani</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:5273">http://arctos.database.museum/guid/KNWR:Ento:5273</a> .
2016-12-12	M. L. Bowser	Added <i>Lasionomma atricaudum</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:7285">http://arctos.database.museum/guid/KNWR:Ento:7285</a> .
2016-12-12	M. L. Bowser	Added <i>Lecania dubitans</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Herb:9025">http://arctos.database.museum/guid/KNWR:Herb:9025</a> .
2016-12-12	M. L. Bowser	Added <i>Leptothorax muscorum</i> based on specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:236694">http://arctos.database.museum/guid/UAM:Ento:236694</a> .
2016-12-12	M. L. Bowser	Added <i>Scoliocentra</i> sp. bold:aau5513 based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:6773">http://arctos.database.museum/guid/KNWR:Ento:6773</a> .
2016-12-12	M. L. Bowser	Removed <i>Dolichovespula norvegicoides</i> and added <i>Dolichovespula arctica</i> based on identification change of specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:124963">http://arctos.database.museum/guid/UAM:Ento:124963</a> .
2016-12-12	M. L. Bowser	Updated <i>Vespula austriaca</i> to <i>Vespula infernalis</i> due to taxonomic revision. See specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:7215">http://arctos.database.museum/guid/KNWR:Ento:7215</a> .
2016-12-13	M. L. Bowser	Added <i>Ligyrocoris sylvestris</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:10283">http://arctos.database.museum/guid/KNWR:Ento:10283</a> .
2016-12-13	M. L. Bowser	Added <i>Limnophilus dispar</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:5346">http://arctos.database.museum/guid/KNWR:Ento:5346</a> .
2016-12-13	M. L. Bowser	Added <i>Limnophilus externus</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:8732">http://arctos.database.museum/guid/KNWR:Ento:8732</a> .
2016-12-13	M. L. Bowser	Added <i>Limnospila albifrons</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:6044">http://arctos.database.museum/guid/KNWR:Ento:6044</a> .
2016-12-13	M. L. Bowser	Added <i>Lissonota</i> sp. bold:aca7236 based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:8501">http://arctos.database.museum/guid/KNWR:Ento:8501</a> .
2016-12-13	M. L. Bowser	Added <i>Megatoma perversa</i> based on specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:311321">http://arctos.database.museum/guid/UAM:Ento:311321</a> .
2016-12-13	M. L. Bowser	Added <i>Melanoplus fasciatus</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:8515">http://arctos.database.museum/guid/KNWR:Ento:8515</a> .
2016-12-13	M. L. Bowser	Added <i>Mesopolobus verditer</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:5268">http://arctos.database.museum/guid/KNWR:Ento:5268</a> .
2016-12-13	M. L. Bowser	Added <i>Mimulus guttatus</i> based on specimen record <a href="http://www.inaturalist.org/observations/799839">http://www.inaturalist.org/observations/799839</a> .
2016-12-13	M. L. Bowser	Added <i>Monoctonus</i> sp. bold:aal4464 based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:1508">http://arctos.database.museum/guid/KNWR:Ento:1508</a> .
2016-12-13	M. L. Bowser	Added <i>Mughiphantes marusiki</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:6455">http://arctos.database.museum/guid/KNWR:Ento:6455</a> .
2016-12-13	M. L. Bowser	Added <i>Mystacides alafimbriatus</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:8731">http://arctos.database.museum/guid/KNWR:Ento:8731</a> .
2016-12-13	M. L. Bowser	Added <i>Neoascia metallica</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:6085">http://arctos.database.museum/guid/KNWR:Ento:6085</a> .
2016-12-13	M. L. Bowser	Added <i>Neottiglossa undata</i> based on specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:150609">http://arctos.database.museum/guid/UAM:Ento:150609</a> .
2016-12-13	M. L. Bowser	Added <i>Nephroma isidiosum</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Herb:9041">http://arctos.database.museum/guid/KNWR:Herb:9041</a> .
2016-12-13	M. L. Bowser	Added <i>Netelia</i> sp. bold:aag7738 based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:7618">http://arctos.database.museum/guid/KNWR:Ento:7618</a> .
2016-12-13	M. L. Bowser	Added <i>Suwallia forcipata</i> based on record in <a href="#">Stewart and Oswood (2006)</a> cited by observation record <a href="http://arctos.database.museum/guid/UAMObs:Ento:101447">http://arctos.database.museum/guid/UAMObs:Ento:101447</a> .
2016-12-13	M. L. Bowser	Dropped <i>Melangyna lasiophthalma</i> and added <i>Melangyna</i> sp. bold:abx6571 based on an updated identification for specimen <a href="http://arctos.database.museum/guid/KNWR:Ento:5175">http://arctos.database.museum/guid/KNWR:Ento:5175</a> .
2016-12-14	M. L. Bowser	Added <i>Felis catus</i> based on two observations. In December 2016 a domestic cat was trapped on the Refuge in the Nikiski area. Another domestic cat had been observed by Todd Eskelin in the summer of 2016 near Ski Hill Road in the vicinity of the Kenai National Wildlife Refuge headquarters.
2016-12-14	M. L. Bowser	Added <i>Nothodelphax albocarinata</i> based on specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:282637">http://arctos.database.museum/guid/UAM:Ento:282637</a> .
2016-12-14	M. L. Bowser	Added <i>Ochlerotatus communis</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:8890">http://arctos.database.museum/guid/KNWR:Ento:8890</a> .
2016-12-14	M. L. Bowser	Added <i>Oecetis inconspicua</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:7435">http://arctos.database.museum/guid/KNWR:Ento:7435</a> .
2016-12-14	M. L. Bowser	Added <i>Opius</i> sp. bold:aaf8735 based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:2215">http://arctos.database.museum/guid/KNWR:Ento:2215</a> .

Date	Agent	Changes
2016-12-14	M. L. Bowser	Added <i>Opius</i> sp. bold:aca7077 based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:2192">http://arctos.database.museum/guid/KNWR:Ento:2192</a> .
2016-12-14	M. L. Bowser	Added <i>Orthostigma</i> sp. bold:aah3182 based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:1853">http://arctos.database.museum/guid/KNWR:Ento:1853</a> .
2016-12-14	M. L. Bowser	Added <i>Orthostigma</i> sp. bold:acg6980 based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:3799">http://arctos.database.museum/guid/KNWR:Ento:3799</a> .
2016-12-14	M. L. Bowser	Added <i>Peltis fraterna</i> based on specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:110477">http://arctos.database.museum/guid/UAM:Ento:110477</a> .
2016-12-14	M. L. Bowser	Added <i>Peltis septentrionalis</i> based on specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:111647">http://arctos.database.museum/guid/UAM:Ento:111647</a> .
2016-12-14	M. L. Bowser	Added <i>Petridiobius arcticus</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:8946">http://arctos.database.museum/guid/KNWR:Ento:8946</a> .
2016-12-14	M. L. Bowser	Added <i>Phaenocarpa</i> sp. bold:aae6216 based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:3661">http://arctos.database.museum/guid/KNWR:Ento:3661</a> .
2016-12-14	M. L. Bowser	Added <i>Phaenocarpa</i> sp. bold:aag1223 based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:3887">http://arctos.database.museum/guid/KNWR:Ento:3887</a> .
2016-12-14	M. L. Bowser	Added <i>Physcia adscendens</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Herb:9061">http://arctos.database.museum/guid/KNWR:Herb:9061</a> .
2016-12-14	M. L. Bowser	Added <i>Physcia aipolia</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Herb:9072">http://arctos.database.museum/guid/KNWR:Herb:9072</a> .
2016-12-14	M. L. Bowser	Added <i>Piptoporus betulinus</i> based on observation record <a href="http://www.inaturalist.org/observations/1353794">http://www.inaturalist.org/observations/1353794</a> .
2016-12-14	M. L. Bowser	Added <i>Platycheirus peltatoides</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:2808">http://arctos.database.museum/guid/KNWR:Ento:2808</a> .
2016-12-14	M. L. Bowser	Added <i>Platypalpus lateralis</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:1499">http://arctos.database.museum/guid/KNWR:Ento:1499</a> .
2016-12-14	M. L. Bowser	Added <i>Platypalpus xanthopodus</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:2035">http://arctos.database.museum/guid/KNWR:Ento:2035</a> .
2016-12-14	M. L. Bowser	Added <i>Plemyria georgii</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:7415">http://arctos.database.museum/guid/KNWR:Ento:7415</a> .
2016-12-14	M. L. Bowser	Added <i>Plumipera diversa</i> based on record in Stewart and Oswood (2006) cited by observation record <a href="http://arctos.database.museum/guid/UAMObs:Ento:101348">http://arctos.database.museum/guid/UAMObs:Ento:101348</a> .
2016-12-14	M. L. Bowser	Added <i>Potamogeton robbinsii</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Herb:7020">http://arctos.database.museum/guid/KNWR:Herb:7020</a> .
2016-12-14	M. L. Bowser	Added <i>Praon</i> sp. bold:abz6335 based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:1530">http://arctos.database.museum/guid/KNWR:Ento:1530</a> .
2016-12-14	M. L. Bowser	Added <i>Pristiphora cincta</i> based on specimen record <a href="http://arctos.database.museum/guid/KNWR:Ento:3510">http://arctos.database.museum/guid/KNWR:Ento:3510</a> .
2016-12-14	M. L. Bowser	Removed <i>Heracleum lanatum</i> and <i>Heracleum maximum</i> , both synonyms of <i>Heracleum sphondylium</i> .
2016-12-14	M. L. Bowser	Removed <i>Ostoma columbiana</i> , now a synonym of <i>Peltis septentrionalis</i> (see <a href="http://arctos.database.museum/guid/KNWR:Ento:10108">http://arctos.database.museum/guid/KNWR:Ento:10108</a> ).
2016-12-14	M. L. Bowser	Removed <i>Ostoma ferruginea</i> . It appears that a specimen formerly identified as <i>Ostoma ferruginea</i> is now identified as <i>Peltis fraterna</i> (see <a href="http://arctos.database.museum/guid/UAM:Ento:110480">http://arctos.database.museum/guid/UAM:Ento:110480</a> ).
2016-12-14	M. L. Bowser	Updated <i>Pelecomalium testaceum</i> to <i>Pelecomalium</i> sp. based up updated identification of specimen record <a href="http://arctos.database.museum/guid/UAM:Ento:282599">http://arctos.database.museum/guid/UAM:Ento:282599</a> .
2016-12-15	M. L. Bowser	<i>Zizania aquatica</i> was added to the list as species that no longer occurs on the Refuge based on documentation of Hakala et al. (1962) and Fair (2011). See Fair (2011) for the story of wild rice plantings here.
2016-12-15	M. L. Bowser	Added <i>Cicuta douglasii</i> based on specimen record <a href="http://arctos.database.museum/guid/UAM:Herb:21623">http://arctos.database.museum/guid/UAM:Herb:21623</a> .
2016-12-15	M. L. Bowser	Added <i>Macrobiotus</i> sp. based on specimen based on an identification by Brassfield (2016).
2016-12-15	M. L. Bowser	The status of <i>Pollenia vagabunda</i> was corrected, changing it from native to non-native.



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