Kenai National Wildlife Refuge Species List, version 2017-01-23

Kenai National Wildlife Refuge biology staff

January 23, 2017

Cover images represent changes to the checklist. Top left: Rhagoletis basiola by Nordic Lake, August 9, 2017. (http://arctos.database.museum/media/10562924). Image CC0 Matt Bowser. Top right: Rhytisma arbuti on leaf of Menziesia ferruginea, September 5, 2014 (http://www.inaturalist.org/observations/863266). Image CC BY Matt Bowser. Bottom left: Leaf gall caused by Pontania sp. bold:acl3478 on Salix barclayi, Soldotna, Ski Hill Road, June 27, 2016 (http://arctos.database.museum/media/10548664). Image CC0 Matt Bowser. Bottom right: Inostemma sp. collected south of Tustumena Lake, June 24, 2006 (http://arctos.database.museum/media/10508672). Image CC0 Matt Bowser.

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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 2,075 species. Of these, 1,982 are considered to be native, 89 species are considered to be non-native, and four species are represented by both native and non-native populations. Eighteen 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 2,053 species were listed, there has been a net increase of 22 species added. In this draft records from eBird Cornell Lab of Ornithology (2016) that fell on the Kenai National Wildlife Refuge were added. An image section was also added. See the change log (page 83) 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:ADA6450" becomes "Rabdophaga sp. bold:ada6450."

Synonymies we included do not necessarily reflect our opinions and are not intended as statements on correct taxonomy (we generally follow ITIS); rather, synonymns 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.

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.

Native species occurring on the Kenai National Wildlife Refuge

Vertebrates

Phylum Chordata

Class Actinopterygii

Order Cypriniformes

Family Catostomidae

Catostomus catostomus

Common names: Longnose sucker

Image(s): 1

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

Image(s): 2

Literature records: Friedersdorff and Jakubas (1984a), Kyle (1992), Sprehn et al. (2015) 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

Image(s): 3

Literature records: Friedersdorff and Jakubas (1984a) iNaturalist observations: 4891214

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)

Order Scorpaeniformes

Family Cottidae

Cottus aleuticus

Common names: Coastrange sculpin

Literature records: Friedersdorff and Jakubas (1984a), Kyle (1992)

Cottus cognatus

Common names: Slimy sculpin

Literature records: Friedersdorff and Jakubas (1984a), 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

eBird checklists: S11505349, S25492838, S3491054, S5866265, S5866269, S5866305, S5866306, S5866309, S5866310, S5870989, S5870990, S5870993, S5870994, S5878395, S6550987, S6551001, S6551002, S6709117, S6873993, S6980323, S6980324, S6980344, S7333547, S7372812, S8309514, S8365991, S8366301, S8388735, S8414468, S8414915, S8458336, S8749697 iNaturalist observations: 114273

Accipiter striatus

Common names: Sharp-shinned hawk

eBird checklists: S25492838

Aquila chrysaetos

Common names: Golden eagle

eBird checklists: S2627102, S2960113, S6526683, S8519986, S8542506

Buteo jamaicensis

Common names: Red-tailed hawk

eBird checklists: S10822383, S23154996, S23155015, S2620561, S4878668, S5866237, S5866241, S5866243, S5866263, S5866264, S5866266, S5866268, S5866269, S5866277, S5866278, S5866280, S5866281, S5866282, S5866284, S5866288, S5866290, S5866303, S5866310, S5870974, S5870987, S5870994, S5870995, S6312021, S6446826, S6447196, S6470158, S6551000, S6551032, S6723932, S6980233, S6980247, S6980254, S6980279, S6980283, S6980284, S6980308, S6980322, S8191831, S8343529, S8521206, S8542654, S8565098

Buteo lagopus

Common names: Rough-legged hawk

eBird checklists: S24660738

Circus cyaneus

Common names: Northern harrier

eBird checklists: S4342574, S5250829, S5866236, S5866241, S5866245, S5866246, S5866248, S5866252, S5866253, S5866254, S5866263, S5866267, S5866268, S5866272, S5866275, S5866276, S5866277, S5866284, S5866288, S5866290, S5866291, S5866297, S5866303, S5866306, S5866308, S5866309, S5866310, S5870964, S5870965, S5870966, S5870974, S5870975, S5870981, S5870987, S5870990, S5870992, S5870993, S5870994, S5870995, S5882060, S6431386, S6550978, S6550980, S6550981, S6550983, S6550989, S6550990, S6550991, S6550993, S6550995, S6550999, S6551000, S6551002, S6551003, S6551004, S6551005, S6551006, S6551007, S6551008, S6551009, S6551010, S6551011, S6551018, S6551028, S6551029, S6980221, S6980227, S6980233, S6980242, S6980243, S6980244, S6980254, S6980259, S6980260, S6980266, S6980269, S6980271, S6980272, S6980274, S6980276, S6980277, S6980278, S6980279, S6980280, S6980281, S6980282, S6980284, S6980285, S6980286, S6980287, S6980288, S6980289, S6980290, S6980291, S6980292, S6980295, S6980299, S6980302, S6980303, S6980304, S6980305, S6980306, S6980307, S6980308, S6980309, S6980310, S6980321, S6980322, S6980324, S6980325, S6980326, S6980327, S6980328, S6980329, S6980330, S6980331, S6980332, S6980333, S6980335, S6980337, S6980338, S6980340, S6980346, S6980347, S6980348, S6980350, S6980352, S6980353, S8081987

Haliaeetus leucocephalus

Common names: Bald eagle

eBird checklists: S10822383, S11505349, S1928210, S22914694, S23002993, S23192260, S24877516, S24877517, S25368335, S25492838, S25523966, S25724908, S25820636, S26074376, S26096151, S26510307, S26851017, S27960101, S2847747, S2847755, S3185332, S4342574, S5007918, S5012464, S5012554, S5060120, S5080215, S5139656, S5174279, S5187530, S5250829, S5571321, S5571351, S5583361, S5803994, S5866236, S5866237, S5866240, S5866242, S5866243, S5866245, S5866246, S5866247, S5866248, S5866251, S5866254, S5866255, S5866258, S5866263, S5866264, S5866265, S5866266, S5866267, S5866268, S5866270, S5866272, S5866273, S5866274, S5866275, S5866276, S5866277, S5866279, S5866280, S5866281, S5866282, S5866291, S5866299, S5866301, S5866303, S5866304, S5866306, S5866308, S5866309, S5866310, S5870963, S5870966, S5870967, S5870969, S5870975, S5870983, S5870985, S5870987, S5870988, S5870990, S5870992, S5870993, S5870994, S6041398, S6431386, S6442445, S6446826, S6447196, S6457399, S6470158, S6529816, S6550978, S6550979, S6550980, S6550981, S6550982, S6550983, S6550984, S6550985, S6550986, S6550987, S6550988, S6550989, S6550990, S6550991, S6550992, S6550993, S6550994, S6550995, S6550996, S6550997, S6550998, S6550999, S6551000, S6551001, S6551002, S6551003, S6551004, S6551005, S6551006, S6551007, S6551008, S6551009, S6551010, S6551011, S6551017, S6551022, S6551023, S6551024, S6551025, S6551028, S6551029, S6551030, S6551031, S6551032, S6551033, S6551034, S6551035, S6551036, S6551038, S6597554, S6607093, S6617153, S6634824, S6723932, S6731933, S6768345, S6803816, S6811244, S6828039, S6833740, S6914424, S6980220, S6980222, S6980225, S6980228, S6980229, S6980231, S6980233, S6980243, S6980244, S6980245, S6980246, S6980247, S6980248, S6980249, S6980250, S6980251, S6980253, S6980254, S6980255, S6980256, S6980258, S6980260, S6980261, S6980262, S6980264, S6980265, S6980266, S6980268, S6980269, S6980270, S6980271, S6980272, S6980273, S6980275, S6980276, S6980277, S6980279, S6980282, S6980283, S6980284, S6980285, S6980286, S6980287, S6980291, S6980295, S6980296, S6980297, S6980298, S6980299, S6980300, S6980302, S6980304, S6980305, S6980306, S6980307, S6980308, S6980319, S6980320, S6980321, S6980322, S6980323, S6980324, S6980325, S6980326, S6980327, S6980328, S6980329, S6980330, S6980331, S6980332, S6980333, S6980334, S6980335, S6980336, S6980337, S6980338, S6980339, S6980340, S6980341, S6980342, S6980343, S6980344, S6980345, S6980346, S6980347, S6980348, S6980349, S6980350, S6980351, S6980352, S6980353, S6980354, S6980355, S6980356, S6980357, S6980358, S7010320, S7265021, S7333547, S7378243, S7420489, S7519310, S7587890, S8081987, S8309514, S8365991, S8366301, S8379153, S8400507, S8405256, S8414917, S8458336, S8482619, S8482623, S8482631, S8482634, S8482637, S8482644, S8482649, S8482655, S8482657, S8482662, S8521206, S8557471, S8557753, S8749697, S933765 iNaturalist observations: 353902, 2318743

Family Pandionidae

Pandion haliaetus

Common names: Osprey

eBird checklists: S4154766, S4164491, S5139558, S5146751, S5206625, S5345320, S5866268, S6470158, S8297608, S8353732, S8360135, S8521206 iNaturalist observations: 17348

Order Anseriformes

Family Anatidae

Anas acuta

Common names: Northern pintail

eBird checklists: S23192260, S24877515, S26074376, S5060120, S5866236, S5866237, S5866256, S5866258, S5866263, S5866264, S5866265, S5866266, S5866267, S5866268, S5866269, S5866270, S5866271, S5866273, S5866274, S5866275, S5866276, S5866277, S5866278, S5866279, S5866280, S5866281, S5866282, S5866284, S5866288, S5866289, S5866291, S5866300, S5866301, S5866306, S5866307, S5866308, S5866309, S5866310, S5870968, S5870969,

S5870973, S5870975, S5870984, S5870985, S5870990, S5870991, S5870992, S5870993, S5870994, S5870995, S6442445, S6447196, S6457399, S6529816, S6550978, S6550979, S6550980, S6550981, S6550982, S6550985, S6550986, S6550987, S6550988, S6550989, S6550990, S6550991, S6550992, S6550993, S6550994, S6550995, S6550996, S6550998, S6550999, S6551000, S6551001, S6551002, S6551003, S6551004, S6551005, S6551006, S6551007, S6551008, S6551009, S6551010, S6551011, S6551022, S6551023, S6551025, S6551027, S6551028, S6551030, S6551032, S6551033, S6551035, S6551036, S6723932, S6914424, S6980225, S6980226, S6980230, S6980241, S6980242, S6980243, S6980245, S6980247, S6980248, S6980250, S6980251, S6980255, S6980262, S6980263, S6980266, S6980268, S6980269, S6980270, S6980271, S6980272, S6980274, S6980276, S6980279, S6980282, S6980283, S6980284, S6980285, S6980286, S6980287, S6980288, S6980289, S6980290, S6980291, S6980292, S6980298, S6980299, S6980301, S6980304, S6980306, S6980307, S6980308, S6980309, S6980310, S6980311, S6980320, S6980321, S6980322, S6980323, S6980324, S6980325, S6980326, S6980327, S6980328, S6980329, S6980330, S6980331, S6980332, S6980333, S6980334, S6980335, S6980336, S6980337, S6980338, S6980339, S6980342, S6980343, S6980344, S6980345, S6980346, S6980347, S6980348, S6980349, S6980350, S6980351, S6980352, S6980353, S6980354, S6980355, S6980356, S6980358, S8081987

Anas americana

Common names: American wigeon

eBird checklists: S11505349, S19988512, S23192260, S25523966, S3185332, S3928853, S4342574, S5060120, S5250829, S5648044, S5866249, S5866263, S5866264, S5866265, S5866267, S5866268, S5866269, S5866270, S5866272, S5866274, S5866276, S5866278, S5866279, S5866280, S5866282, S5866284, S5866289, S5866291, S5866298, S5866305, S5866306, S5866307, S5866308, S5870970, S5870973, S5870975, S5870982, S5870989, S5870990, S5870991, S5870992, S5870995, S6431386, S6442445, S6446826, S6447196, S6457399, S6550978, S6550979, S6550981, S6550982, S6550986, S6550987, S6550989, S6550992, S6550994, S6550996, S6551002, S6551003, S6551004, S6551005, S6551006, S6551007, S6551008, S6551009, S6551010, S6551011, S6551022, S6551023, S6551027, S6551032, S6551034, S6551035, S6551036, S6551037, S6551038, S6723932, S6763049, S6980226, S6980241, S6980242, S6980247, S6980249, S6980250, S6980251, S6980252, S6980253, S6980254, S6980255, S6980257, S6980260, S6980263, S6980270, S6980271, S6980276, S6980279, S6980280, S6980284, S6980295, S6980299, S6980303, S6980306, S6980307, S6980309, S6980310, S6980311, S6980324, S6980325, S6980326, S6980327, S6980328, S6980329, S6980330, S6980331, S6980332, S6980333, S6980334, S6980335, S6980336, S6980338, S6980339, S6980343, S6980344, S6980346, S6980349, S6980351, S6980353, S6980354, S6980355, S6980356, S8379153 iNaturalist observations: 38971

Anas clypeata

Common names: Northern shoveler

eBird checklists: S5060120, S5648044, S5866236, S5866237, S5866263, S5866264, S5866265, S5866266, S5866267, S5866268, S5866269, S5866270, S5866271, S5866272, S5866274, S5866275, S5866276, S5866277, S5866278, S5866279, S5866280, S5866281, S5866282, S5866284, S5866285, S5866288, S5866289, S5866291, S5866298, S5866300, S5866301, S5866302, S5866303, S5866305, S5866306, S5866307, S5866308, S5866309, S5870973, S5870975, S5870982, S5870984, S5870985, S5870986, S5870987, S5870989, S5870990, S5870991, S5870992, S5870993, S5870995, S6442445, S6446826, S6447196, S6457399, S6550978, S6550979, S6550980, S6550981, S6550982, S6550984, S6550985, S6550986, S6550987, S6550989, S6550990, S6550991, S6550993, S6550994, S6550995, S6550996, S6550999, S6551000, S6551005, S6551006, S6551008, S6551010, S6551022, S6551023, S6551025, S6551026, S6551027, S6551028, S6551029, S6551030, S6551032, S6551033, S6551034, S6551035, S6551036, S6551037, S6723932, S6980241, S6980242, S6980243, S6980244, S6980245, S6980247, S6980248, S6980249, S6980250, S6980251, S6980252, S6980255, S6980266, S6980269, S6980270, S6980271, S6980274, S6980276, S6980279, S6980284, S6980285, S6980286, S6980291, S6980295, S6980299, S6980301, S6980306, S6980307, S6980309, S6980311, S6980321, S6980322, S6980327, S6980328, S6980330, S6980332, S6980334, S6980335, S6980336, S6980337, S6980338, S6980339, S6980341, S6980342, S6980343, S6980344, S6980346, S6980347, S6980348, S6980350, S6980351, S6980352, S6980353, S6980354, S6980355, S6980356, S6980358, S6980359

Anas crecca

Common names: Green-winged teal

eBird checklists: S11505349, S18976084, S20654973, S2847763, S3185332, S3928853, S4157602, S5060120, S5245312, S5250829, S5866263, S5866264, S5866265, S5866266, S5866267, S5866268, S5866269, S5866270, S5866271, S5866272, S5866273, S5866274, S5866275, S5866276, S5866277, S5866278, S5866279, S5866280, S5866281, S5866282, S5866283, S5866284, S5866285, S5866288, S5866289, S5866291, S5866292, S5866298, S5866300, S5866301, S5866302, S5866303, S5866305, S5866307, S5866308, S5866310, S5870973, S5870975, S5870976, S5870982, S5870984, S5870985, S5870986, S5870987, S5870989, S5870991, S5870992, S5870994, S5870995, S6447196, S6529816, S6550978, S6550979, S6550980, S6550981, S6550982, S6550984, S6550985, S6550986, S6550987, S6550988, S6550989, S6550990, S6550991, S6550993, S6550994, S6550995, S6550996, S6551000, S6551001, S6551002, S6551003, S6551004, S6551005, S6551006, S6551007, S6551008, S6551009, S6551010, S6551011, S6551022, S6551023, S6551025, S6551026, S6551027, S6551028, S6551029, S6551030, S6551032, S6551033, S6551034, S6551035, S6551036, S6551037, S6723932, S6914424, S6980241, S6980242, S6980243, S6980244, S6980245, S6980247, S6980248, S6980249, S6980250, S6980251, S6980252, S6980254, S6980255, S6980257, S6980259, S6980266, S6980268, S6980269, S6980271, S6980272, S6980274, S6980276, S6980277, S6980279, S6980280, S6980282, S6980283, S6980284, S6980285, S6980286, S6980287, S6980288, S6980289, S6980290, S6980291, S6980292, S6980299, S6980301, S6980306, S6980307, S6980308, S6980309, S6980310, S6980311, S6980322, S6980323, S6980324, S6980325, S6980326, S6980327, S6980328, S6980329, S6980330, S6980331, S6980332, S6980333, S6980334, S6980335, S6980336, S6980337, S6980338, S6980339, S6980341, S6980342, S6980343, S6980344, S6980345, S6980346, S6980347, S6980348, S6980350, S6980351, S6980352, S6980353, S6980354, S6980355, S6980356, S6980358, S6980359, S8521206

Anas discors

Common names: Blue-winged teal

eBird checklists: S6447196, S6551030, S6551033, S6551036, S6980245, S6980248, S6980251, S7273837

Anas platyrhynchos

Common names: Mallard

eBird checklists: S11505349, S23192260, S25492838, S25523966, S26074376, S2847755, S2847763, S2847769, S3185332, S3891837, S4342574, S5007918, S5012464, S5060093, S5060120, S5153679, S5177912, S5181197, S5205805, S5250829, S5472495, S5866236, S5866237, S5866239, S5866240, S5866241, S5866246, S5866247, S5866252, S5866254, S5866256, S5866258, S5866263, S5866264, S5866265, S5866266, S5866267, S5866268, S5866269, S5866270, S5866271, S5866272, S5866273, S5866274, S5866275, S5866276, S5866277, S5866278, S5866279, S5866280, S5866281, S5866282, S5866283, S5866284, S5866285, S5866288, S5866289, S5866290, S5866291, S5866298, S5866300, S5866301, S5866303, S5866305, S5866306, S5866307, S5866308, S5866309, S5870964, S5870966, S5870968, S5870969, S5870973, S5870974, S5870975, S5870982, S5870984, S5870985, S5870987, S5870989, S5870990, S5870991, S5870992, S5870993, S5870995, S6256031, S6431386, S6442445,

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Anas strepera

Common names: Gadwall

eBird checklists: S5648044, S5866263, S6551018, S6551027, S6551028, S6551029, S6551030, S6551032, S6551036, S6551037, S6980221, S6980241, S6980243, S6980244, S6980245, S6980247, S6980251, S6980252, S6980271, S6980272, S8379153

Anser albifrons

Common names: Greater white-fronted goose

eBird checklists: S5866263, S5866264, S5866265, S5866266, S5866267, S5866268, S5866270, S5866271, S5866272, S5866280, S5866281, S5866282, S6550981, S6550982, S6550985, S6550987, S6550990, S6550991, S6550993, S6550994, S6550995, S6550999, S6551000, S6551001, S6551002, S6551003, S6551004, S6551005, S6551010, S6551011, S6551022, S6551023, S6551030, S6551032, S6980245, S6980247, S6980288, S6980289, S6980291, S6980309, S6980310, S6980321, S6980322, S6980323, S6980324, S6980325, S6980326, S6980327, S6980332, S6980333, S6980338, S6980339, S6980342, S6980344, S6980347, S6980348, S6980350, S6980351, S6980352, S6980353, S6980355, S6980356, S8081987

Aythya americana

Common names: Redhead

Aythya collaris

Common names: Ring-necked duck

eBird checklists: S11505349, S5146751, S5206625, S6551032, S6980247

Aythya marila

Common names: Greater scaup

eBird checklists: S11791056, S25069362, S25492838, S25724908, S26074376, S2847769, S5060120, S5345365, S5648044, S6442445, S6446826, S6447196, S6457399, S6492243, S6493653, S6529816, S6723932, S6873993, S6914424, S7186373, S7333547, S7333987, S7519310, S8343529, S8343534, S8521206

Aythya valisineria

Common names: Canvasback

eBird checklists: S6447196, S6551006, S6551008, S6723932, S6980328, S6980330

Branta canadensis

Common names: Canada goose

eBird checklists: S2847747, S3185332, S5060093, S5060120, S5866237, S5866263, S5866265, S5866266, S5866267, S5866268, S5866269, S5866271, S5866276, S5866280, S5866284, S5866310, S5870994, S5870995, S6447196, S6550980, S6550987, S6550988, S6550989, S6550991, S6550993, S6550994, S6550997, S6550998, S6550999, S6551000, S6551001, S6551002, S6551003, S6551004, S6551005, S6551006, S6551007, S6551009, S6551011, S6551030, S6551032, S6723932, S6763049, S6980245, S6980247, S6980285, S6980286, S6980287, S6980291, S6980292, S6980308, S6980310, S6980311, S6980319, S6980320, S6980321, S6980322, S6980323, S6980324, S6980325, S6980326, S6980327, S6980328, S6980329, S6980331, S6980333, S6980337, S6980344, S6980345, S6980346, S6980348, S6980350, S6980351, S8081987

Branta hutchinsii

Common names: Cackling goose

eBird checklists: S5866263, S5866267, S5866268, S5866271, S6550980, S6550987, S6550998, S6550999, S6551000, S6551001, S6551002, S6551003, S6551004, S6551005, S6551006, S6551009, S6551011, S6551030, S6551032, S6980245, S6980247, S6980311, S6980320, S6980321, S6980322, S6980323, S6980324, S6980325, S6980326, S6980327, S6980328, S6980331, S6980333, S6980337, S6980344

Bucephala albeola

Common names: Bufflehead

eBird checklists: S11505349, S23002993, S25368335, S25492838, S25724908, S2847755, S2847763, S2847769, S6551001, S6551010, S6980323, S6980332, S7333547, S7333987, S7519310 iNaturalist observations: 2097731

Bucephala clangula

Common names: Common goldeneye

eBird checklists: S23192260, S25523986, S25724908, S2847755, S3928853, S4157608, S5146751, S5146753, S5176447, S5177915, S5200092, S5204952, S5206625, S5206629, S5245313, S5250829, S5648044, S5819176, S6447196, S6723932, S8458346, S8521206, S8540528 iNaturalist observations: 14378

Bucephala islandica

Common names: Barrow's goldeneye

eBird checklists: S11505349, S1928210, S23237453, S26074376, S26851017, S2847755, S3185332, S4754819, S5866280, S6431386, S6447196, S6470158, S6492243, S6493653, S6550989, S6551008, S6551009, S6551010, S6723932, S6763049, S6811244, S6833740, S6980330, S6980331, S6980332, S6980346, S8482619, S8482623, S8521206

Chen caerulescens

Common names: Snow goose

eBird checklists: S5866264, S5866265, S5866268, S5866269, S6550998, S6550999, S6551000, S6551001, S6551002, S6551003, S6551004, S6551005, S6551006, S6980320, S6980321, S6980322, S6980323, S6980324, S6980325, S6980326, S6980327, S6980328

Clangula hyemalis

Common names: Long-tailed duck

eBird checklists: S2847769

Cygnus buccinator

Common names: Trumpeter swan

Image(s): 4

Distribution and trends: Trumpeter Swans from the Kenai Peninsula have been documented overwintering along the coast of southeast Alaska, British Columbia, and Washington (Bailey, 2013; Morton, 2016). Kenai Peninsula swans have been translocated to Iowa (Jozwiak, 2005).

Literature records: Hansen et al. (1971) eBird checklists: S11505349, S14847553, S22519987, S23237453, S25069362, S25492838, S25523966, S25724908, S26074376, S2847747, S2847763, S3185332, S4153439, S4157474, S4754819, S5060120, S5190687, S5190833, S5200099, S5245307, S5247380, S5866236, S5866237, S5866249, S5866257, S5866258, S5866263, S5866264, S5866265, S5866266, S5866267, S5866268, S5866271, S5866273, S5866275, S5866276, S5866277, S5866280, S5866282, S5866284, S5866302, S5866303, S5866304, S5866307, S5866308, S5866310, S5870968, S5870969, S5870970, S5870986, S5870987, S5870988, S5870991, S5870992, S5870994, S5870995, S6048330, S6431386, S6442445, S6446826, S6447196, S6457399, S6464103, S6479212, S6492243, S6493653, S6550978, S6550979, S6550980, S6550981, S6550982, S6550984, S6550985, S6550987, S6550989, S6550990, S6550992, S6550993, S6550994, S6550996, S6550998, S6550999, S6551000, S6551001, S6551002, S6551003, S6551004, S6551005, S6551006, S6551007, S6551008, S6551009, S6551010, S6551022, S6551023, S6551024, S6551026, S6551028, S6551029, S6551031, S6723932, S6811244, S6980220, S6980233, S6980242, S6980243, S6980244, S6980246, S6980272, S6980275, S6980277, S6980279, S6980280, S6980282, S6980283, S6980286, S6980289, S6980292, S6980301, S6980302, S6980303, S6980305, S6980306, S6980307, S6980309, S6980310, S6980320, S6980321, S6980322, S6980323, S6980324, S6980325, S6980326, S6980327, S6980328, S6980329, S6980330, S6980331, S6980332, S6980334, S6980335, S6980336, S6980337, S6980338, S6980339, S6980341, S6980342, S6980344, S6980346, S6980347, S6980349, S6980350, S6980351, S6980353, S6980354, S6980355, S6980356, S6980357, S6980359, S7519310, S8414468, S8414915, S8458346, S8521206 iNaturalist observations: 14908

Cygnus columbianus

Common names: Tundra swan

Histrionicus histrionicus

Common names: Harlequin duck

eBird checklists: S12402945, S19988512, S24877516, S24877517, S2847718, S2960137, S5060120, S6470158, S7010320

Melanitta fusca

Common names: White-winged scoter

eBird checklists: S5866256, S5866286, S5866287, S5870968, S6529816, S6607093, S6914424, S6980260, S6980302

Melanitta nigra

Common names: Black scoter

Melanitta perspicillata

Common names: Surf scoter

eBird checklists: S11505349, S24942960, S27356850, S27415995, S27418096, S5060120, S5146753, S5176447, S5177915, S5206629, S5345365, S6447196, S6492243, S6493653, S6723932, S6833740, S6873993, S8287813, S8521206, S8542654, S9106487

Mergus merganser

Common names: Common merganser

eBird checklists: S12402951, S18837827, S1928210, S23192260, S23237453, S24660738, S24877515, S24877516, S25368335, S25492838, S25523972, S25724908, S26096151, S2960137, S3185332, S3891837, S3891842, S3928853, S4153439, S4342574, S4754819, S4836111, S5060120, S5176285, S5190687, S5190833, S5247380, S5472495, S5866270, S5866271, S5866273, S5866274, S5866277, S5866280, S5882067, S6447196, S6470158, S6529816, S6551001, S6551006, S6551025, S6551026, S6551027, S6551028, S6597554, S6597573, S6723932, S6811244, S6914424, S6980241, S6980243, S6980323, S6980328, S6980358, S6980359, S7333547, S7519310, S8496985, S8521206, S8521237

Mergus serrator

Common names: Red-breasted merganser

eBird checklists: S10830630, S11505349, S23192260, S24942960, S25492838, S4147088, S5015169, S5060120, S5146751, S5187103, S5188713, S5206625, S5247368, S5345365, S6442445, S6446826, S6447196, S6457399, S6463962, S6479205, S6492243, S6493653, S6723932, S6803816, S7333987, S7519310, S8287813, S8365991, S8366301, S8388735, S8405256, S8414917, S8521206 iNaturalist observations: 1741201

Order Apodiformes

Family Trochilidae

Selasphorus rufus

Common names: Rufous hummingbird

eBird checklists: S2616911

Order Charadriiformes

Family Alcidae

Brachyramphus marmoratus

Common names: Marbled murrelet

Family Charadriidae

Charadrius semipalmatus

Common names: Semipalmated plover

eBird checklists: S11505349, S5866257, S5866267, S5866271, S5866272, S5866280, S5866304, S5870968, S5870988, S6447196, S6550984, S6550985, S6550986, S6550989, S6550991, S6550992, S6550993, S6550995, S6551022, S6551023, S6551026, S6551027, S6551031, S6551033, S6551034, S6551035, S6551036, S6551037, S6551038, S6723932, S6980220, S6980231, S6980232, S6980241, S6980246, S6980248, S6980249, S6980250, S6980251, S6980252, S6980253, S6980264, S6980268, S6980269, S6980275, S6980277, S6980278, S6980279, S6980283, S6980288, S6980298, S6980299, S6980301, S6980302, S6980303, S6980306, S6980309, S6980341, S6980342, S6980343, S6980346, S6980348, S6980349, S6980350, S6980352, S6980353, S6980354, S6980355, S6980356, S6980359

Pluvialis dominica

Common names: American golden-plover

eBird checklists: S5866269, S5866271, S6550989, S6980346

Pluvialis fulva

Common names: Pacific golden-plover

Pluvialis squatarola

Common names: Black-bellied plover

eBird checklists: S5866256, S5866264, S5866266, S5866267, S5866268, S5866269, S5866270, S5866272, S5866280, S5866290, S5866299, S5866303, S5866305, S5870968, S5870974, S5870983, S5870987, S5870989, S6447196, S6550978, S6550979, S6550981, S6550985, S6550989, S6550991, S6550992, S6550996, S6551006, S6551009, S6723932, S6980260, S6980268, S6980297, S6980310, S6980328, S6980331, S6980334, S6980335, S6980336, S6980338, S6980342, S6980346, S6980348, S6980349

Family Laridae

Larus argentatus

Common names: Herring gull

eBird checklists: S10829120, S22914694, S23192260, S24877516, S24877517, S25492838, S3891837, S4147055, S4153439, S4342574, S5012554, S5060120, S5139656, S5146753, S5174279, S5176447, S5177915, S5187105, S5188715, S5190687, S5190833, S5206629, S5247366, S5247380, S5472495, S5571321, S5571351, S5583361, S5866236, S5866237, S5866238, S5866239, S5866240, S5866241, S5866242, S5866243, S5866244, S5866245, S5866247, S5866251, S5866252, S5866255, S5866256, S5866258, S5866263, S5866264, S5866265, S5866266, S5866267, S5866268, S5866269, S5866270,

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Larus canus

Common names: Mew gull

eBird checklists: S11505349, S2251673, S23192260, S23237453, S24069976, S24877517, S25368335, S25492838, S26074376, S2847763, S3891837, S4342574, S5007918, S5012554, S5060093, S5060120, S5080215, S5104446, S5104459, S5165657, S5176281, S5176285, S5472495, S5571321, S5571351, S5581396, S5866236, S5866237, S5866240, S5866243, S5866244, S5866245, S5866247, S5866251, S5866252, S5866253, S5866256, S5866258, S5866263, S5866265, S5866266, S5866267, S5866268, S5866270, S5866271, S5866272, S5866276, S5866278, S5866280, S5866281, S5866282, S5866284, S5866285, S5866288, S5866289, S5866290, S5866291, S5866294, S5866295, S5866296, S5866299, S5866302, S5866303, S5866304, S5866305, S5870963, S5870964, S5870965, S5870968, S5870969, S5870973, S5870974, S5870975, S5870978, S5870979, S5870980, S5870983, S5870986, S5870987, S5870988, S5870989, S5870995, S6442445, S6446826, S6447196, S6457399, S6470158, S6492243, S6493653, S6529816, S6550978, S6550979, S6550980, S6550981, S6550982, S6550983, S6550984, S6550985, S6550986, S6550987, S6550988, S6550989, S6550990, S6550991, S6550992, S6550993, S6550994, S6550995, S6550996, S6550997, S6551000, S6551001, S6551002, S6551003, S6551004, S6551005, S6551006, S6551007, S6551008, S6551009, S6551010, S6551011, S6551017, S6551019, S6551020, S6551022, S6551023, S6551025, S6551026, S6551027, S6551028, S6551029, S6551030, S6551031, S6551032, S6551033, S6551034, S6551036, S6551037, S6551038, S6593802, S6597526, S6597554, S6607093, S6723932, S6768345, S6980222, S6980223, S6980224, S6980226, S6980227, S6980241, S6980243, S6980244, S6980245, S6980246, S6980247, S6980248, S6980249, S6980251, S6980252, S6980253, S6980254, S6980255, S6980256, S6980257, S6980258, S6980259, S6980260, S6980261, S6980262, S6980263, S6980264, S6980265, S6980267, S6980268, S6980270, S6980271, S6980272, S6980277, S6980283, S6980288, S6980290, S6980292, S6980295, S6980296, S6980297, S6980298, S6980299, S6980304, S6980308, S6980310, S6980311, S6980319, S6980322, S6980323, S6980324, S6980325, S6980326, S6980327, S6980328, S6980329, S6980330, S6980331, S6980332, S6980333, S6980334, S6980335, S6980336, S6980337, S6980338, S6980339, S6980340, S6980341, S6980342, S6980343, S6980344, S6980345, S6980346, S6980347, S6980348, S6980349, S6980350, S6980351, S6980352, S6980353, S6980354, S6980355, S6980356, S6980358, S6980359, S7519310, S7604387, S8287813, S8309514, S8379153, S8388735, S8405256, S8414917, S8458336, S8482619, S8482657, S8482662, S8521206, S8521237, S8542567, S8542654 iNaturalist observations: 568363

Larus glaucescens

Common names: Glaucous-winged gull

eBird checklists: S11505349, S24877517, S25368335, S25492838, S2847755, S3046963, S3891837, S5012464, S5012554, S5060120, S5139656, S5146753, S5153679, S5174279, S5176447, S5177912, S5177915, S5181197, S5205805, S5206629, S5472495, S5571321, S5571351, S5583361, S5866237, S5866263, S5866264, S5866265, S5866269, S5866274, S5866275, S6401576, S6442445, S6446826, S6447196, S6457399, S6470158, S6492243, S6493653, S6529816, S6550980, S6550989, S6550992, S6551002, S6551004, S6551035, S6597554, S6607093, S6723932, S6914424, S6980250, S6980255, S6980260, S6980324, S6980326, S6980337, S6980346, S6980349, S7519310, S8458336, S8521206, S8521237, S9106487, S933765

Larus philadelphia

Common names: Bonaparte's gull

Rissa tridactyla

Common names: Black-legged kittiwake

eBird checklists: S3046963, S5581396, S6731933

Sterna aleutica

Common names: Aleutian tern

Sterna caspia

Common names: Caspian tern

Sterna paradisaea

Common names: Arctic tern

eBird checklists: S10822383, S11505349, S18837827, S18838090, S23192260, S24069976, S24877515, S26074376, S27356850, S27356900, S3891842, S4157583, S4342574, S4836111, S5007918, S5060093, S5060120, S5104446, S5104459, S5139558, S5146751, S5146753, S5165657, S5176285, S5176447, S5177915, S5200096, S5206625, S5206629, S5245309, S5866236, S5866237, S5866238, S5866239, S5866240, S5866241, S5866242, S5866243, S5866245, S5866247, S5866251, S5866252, S5866253, S5866255, S5866256, S5866257, S5866263, S5866264, S5866265, S5866266, S5866267, S5866268, S5866269, S5866270, S5866271, S5866272, S5866273, S5866274, S5866275, S5866276, S5866277, S5866278, S5866279, S5866280, S5866281, S5866282, S5866283, S5866285, S5866288, S5866290, S5866291, S5866294, S5866295, S5866297, S5866300, S5866301, S5866302, S5866303, S5866304, S5866305, S5870963, S5870964, S5870965, S5870967, S5870968, S5870974, S5870975, S5870978, S5870979, S5870981, S5870984, S5870985, S5870986, S5870987, S5870988, S5870989, S6442445, S6446826, S6447196, S6457399, S6470158, S6492243, S6493653, S6529816, S6550978, S6550979, S6550980, S6550981, S6550982, S6550983, S6550984, S6550985, S6550986, S6550987, S6550988, S6550989, S6550990, S6550991, S6550992, S6550993, S6550994, S6550995, S6550996, S6551003, S6551004, S6551005, S6551006, S6551007, S6551008, S6551009, S6551010, S6551011, S6551017, S6551019, S6551020, S6551022, S6551023, S6551024, S6551025, S6551027, S6551028, S6551029, S6551030, S6551031, S6551032, S6551033, S6551034, S6551035, S6551036, S6551037, S6551038, S6554428, S6593802, S6597526, S6597554, S6597573, S6607093, S6615174, S6634824, S6723932, S6768345, S6980222, S6980223, S6980224, S6980241, S6980243, S6980244, S6980245, S6980246, S6980247, S6980248, S6980249, S6980250, S6980251, S6980252, S6980253, S6980254, S6980255, S6980258, S6980263, S6980264, S6980268, S6980269,

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Family Scolopacidae

Actitis macularius

Common names: Spotted sandpiper

eBird checklists: S10830630, S11107294, S11505349, S19988512, S3928853, S4157608, S5060120, S5200092, S5204952, S5245313, S5866268, S6431386, S6447196, S6470158, S6529816, S6582321, S6723932, S6763049, S6768345, S6833740, S8343534, S8521206, S8521237, S8540528, S8542590 iNaturalist observations: 799862

Arenaria interpres

Common names: Ruddy turnstone

eBird checklists: S5866267

Arenaria melanocephala

Common names: Black turnstone

eBird checklists: S5866256, S5866294, S5866295, S5870968, S5870978, S5870979, S6980268, S6980283, S6980290, S6980304

Bartramia longicauda

Common names: Upland sandpiper

Calidris bairdii

Common names: Baird's sandpiper

eBird checklists: S8542506

Calidris mauri

Common names: Western sandpiper

eBird checklists: S24877516, S5866237, S5866265, S5866267, S5866269, S5866272, S5866280, S6550984, S6550990, S6980268, S6980341, S6980347, S6980353

Calidris melanotos

Common names: Pectoral sandpiper

eBird checklists: S5060120, S5866237, S5866270, S5866271, S5866274, S5866276, S5866277, S5866278, S5866279, S5866280, S5866284, S5866308, S5866310, S5870992, S5870994, S5870995, S6550979, S6550981, S6550982, S6550985, S6550986, S6550987, S6550988, S6550989, S6550990, S6550991, S6550993, S6550996, S6551011, S6551022, S6551023, S6980231, S6980257, S6980268, S6980269, S6980274, S6980276, S6980285, S6980286, S6980287, S6980288, S6980289, S6980291, S6980292, S6980298, S6980309, S6980311, S6980333, S6980334, S6980336, S6980338, S6980339, S6980342, S6980343, S6980344, S6980345, S6980346, S6980347, S6980348, S6980350, S6980354, S6980355, S6980356

Calidris minutilla

Common names: Least sandpiper

eBird checklists: S5060120, S5866236, S5866237, S5866240, S5866241, S5866242, S5866243, S5866244, S5866245, S5866246, S5866248, S5866251, S5866252, S5866253, S5866254, S5866256, S5866257, S5866258, S5866263, S5866264, S5866265, S5866266, S5866267, S5866268, S5866270, S5866271, S5866273, S5866274, S5866275, S5866276, S5866278, S5866279, S5866280, S5866281, S5866282, S5866283, S5866284, S5866285, S5866287, S5866288, S5866289, S5866290, S5866291, S5866292, S5866293, S5866294, S5866296, S5866297, S5866299, S5866300, S5866301, S5866302, S5866304, S5866305, S5866306, S5866307, S5866308, S5866309, S5866310, S5870963, S5870964, S5870965, S5870966, S5870968, S5870969, S5870973, S5870974, S5870975, S5870976, S5870977, S5870978, S5870980, S5870981, S5870983, S5870984, S5870985, S5870986, S5870988, S5870989, S5870990, S5870991, S5870992, S5870993, S5870994, S5870995, S6447196, S6550978, S6550979, S6550980, S6550981, S6550982, S6550984, S6550985, S6550987, S6550988, S6550989, S6550990, S6550991, S6550992, S6550993, S6550994, S6550995, S6550996, S6551004, S6551005, S6551006, S6551007, S6551008, S6551009, S6551010, S6551011, S6551022, S6551026, S6551030, S6551031, S6551032, S6551033, S6551035, S6551036, S6551037, S6723932, S6980227, S6980230, S6980231, S6980233, S6980242, S6980245, S6980246, S6980247, S6980248, S6980250, S6980251, S6980252, S6980254, S6980255, S6980256, S6980258, S6980259, S6980260, S6980261, S6980262, S6980263, S6980264, S6980265, S6980266, S6980267, S6980268, S6980269, S6980270, S6980271, S6980272, S6980273, S6980274, S6980275, S6980276, S6980277, S6980278, S6980279, S6980280, S6980281, S6980283, S6980284, S6980285, S6980286, S6980287, S6980290, S6980291, S6980292, S6980295, S6980296, S6980297, S6980298, S6980299, S6980300, S6980301, S6980302, S6980303, S6980304, S6980305, S6980306, S6980307, S6980308, S6980309, S6980311, S6980326, S6980327, S6980328, S6980329, S6980330, S6980331, S6980332, S6980333, S6980334, S6980335, S6980336, S6980337, S6980338, S6980339, S6980341, S6980342, S6980344, S6980345, S6980346, S6980347, S6980348, S6980349, S6980350, S6980351, S6980352, S6980353, S6980355, S6980359, S8542567

Calidris pusilla

Common names: Semipalmated sandpiper

eBird checklists: S5866237, S5866256, S5866257, S5866267, S5866272, S5866280, S5870968, S6447196, S6550984, S6550985, S6550990, S6550991, S6550995, S6551022, S6551023, S6551025, S6551037, S6723932, S6980231, S6980252, S6980256, S6980268, S6980276, S6980277, S6980278, S6980280, S6980289, S6980341, S6980342, S6980347, S6980348, S6980352, S6980353, S6980355, S6980356, S6980358

Gallinago delicata

Common names: Wilson's snipe

eBird checklists: S23192260, S23237453, S26074376, S2614277, S27356850, S2960113, S3928853, S4342574, S4841810, S5060120, S5080215, S5355396, S5866236, S5866237, S5866238, S5866240, S5866241, S5866243, S5866244, S5866245, S5866246, S5866247, S5866248, S5866252, S5866257, S5866263, S5866264, S5866265, S5866266, S5866267, S5866268, S5866269, S5866270, S5866271, S5866272, S5866273, S5866274, S5866275, S5866276, S5866277, S5866278, S5866279, S5866280, S5866281, S5866282, S5866283, S5866284, S5866286, S5866289, S5866291, S5866295, S5866298, S5866299, S5866300, S5866301, S5866302, S5866303, S5866305, S5866306, S5866307, S5866308, S5866309, S5866310, S5870964, S5870968, S5870973, S5870975, S5870979, S5870982, S5870983, S5870984, S5870985, S5870986, S5870987, S5870989, S5870990, S5870991, S5870992, S5870993, S5870994, S5870995, S6447196, S6529816, S6550978, S6550979, S6550980, S6550981, S6550982, S6550984, S6550985, S6550986, S6550987, S6550988, S6550989, S6550990, S6550991, S6550992, S6550993, S6550994, S6550995, S6550996, S6551007, S6551008, S6551009, S6551010, S6551011, S6551018, S6551019, S6551022, S6551023, S6551024, S6551025, S6551026, S6551027, S6551028, S6551029, S6551030, S6551031, S6551032, S6551033, S6551034, S6551035, S6551036, S6551037, S6551038, S6723932, S6980220, S6980221, S6980223, S6980226, S6980230, S6980232, S6980233, S6980241, S6980242, S6980243, S6980244, S6980245, S6980246, S6980247, S6980248, S6980249, S6980250, S6980251, S6980252, S6980253, S6980254, S6980255, S6980258, S6980259, S6980260, S6980263, S6980264, S6980265, S6980269, S6980270, S6980271, S6980273, S6980274, S6980276, S6980277, S6980278, S6980279, S6980280, S6980282, S6980283, S6980284, S6980289, S6980296, S6980299, S6980300, S6980301, S6980303, S6980304, S6980306, S6980307, S6980329, S6980330,

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Heteroscelus incanus

Common names: Wandering tattler

Limnodromus griseus

Common names: Short-billed dowitcher

eBird checklists: S5060093, S5060120, S5250829, S5866236, S5866237, S5866238, S5866239, S5866241, S5866245, S5866247, S5866253, S5866256, S5866257, S5866263, S5866264, S5866265, S5866266, S5866267, S5866268, S5866269, S5866270, S5866271, S5866272, S5866273, S5866274, S5866275, S5866276, S5866277, S5866278, S5866279, S5866280, S5866281, S5866282, S5866284, S5866285, S5866288, S5866289, S5866290, S5866291, S5866293, S5866302, S5866309, S5866310, S5870965, S5870968, S5870973, S5870974, S5870975, S5870977, S5870986, S5870993, S5870994, S5870995, S6447196, S6550978, S6550979, S6550980, S6550981, S6550982, S6550984, S6550985, S6550986, S6550987, S6550988, S6550989, S6550990, S6550991, S6550992, S6550993, S6550994, S6550995, S6550996, S6551004, S6551005, S6551006, S6551007, S6551009, S6551010, S6551011, S6551017, S6551018, S6551022, S6551023, S6551024, S6551025, S6551026, S6551027, S6551028, S6551029, S6551030, S6551031, S6551032, S6551033, S6551035, S6551036, S6551037, S6551038, S6723932, S6980221, S6980222, S6980227, S6980232, S6980241, S6980242, S6980243, S6980244, S6980245, S6980246, S6980247, S6980248, S6980250, S6980251, S6980252, S6980253, S6980254, S6980255, S6980257, S6980258, S6980260, S6980261, S6980263, S6980266, S6980267, S6980269, S6980270, S6980271, S6980273, S6980274, S6980276, S6980278, S6980286, S6980288, S6980291, S6980295, S6980296, S6980297, S6980298, S6980299, S6980301, S6980306, S6980326, S6980327, S6980328, S6980329, S6980331, S6980332, S6980333, S6980334, S6980335, S6980336, S6980337, S6980338, S6980339, S6980341, S6980342, S6980343, S6980344, S6980345, S6980346, S6980347, S6980348, S6980349, S6980350, S6980351, S6980352, S6980353, S6980354, S6980355, S6980356, S6980357, S6980358, S6980359

Limnodromus scolopaceus

Common names: Long-billed dowitcher

eBird checklists: S5866237, S5866269, S5866270, S5866271, S5866272, S5866279, S5866280, S5866309, S5870993, S5882060, S6550988, S6550989, S6550991, S6551022, S6551023, S6723932, S6980242, S6980255, S6980279, S6980345, S6980346, S6980348, S6980355, S6980356

Limosa haemastica

Common names: Hudsonian godwit

eBird checklists: S5060120, S5866236, S5866237, S5866265, S5866267, S5866281, S5866285, S5866291, S5866297, S5866299, S5866300, S5866301, S5866303, S5866304, S5866305, S5866307, S5870975, S5870981, S5870983, S5870984, S5870985, S5870987, S5870988, S5870989, S5870991, S6550978, S6550980, S6550981, S6550982, S6550985, S6550986, S6550987, S6550988, S6550989, S6550990, S6550991, S6550993, S6550994, S6550995, S6550996, S6551006, S6551007, S6551010, S6551011, S6551022, S6551023, S6551030, S6551036, S6551038, S6980231, S6980232, S6980245, S6980251, S6980253, S6980254, S6980260, S6980268, S6980270, S6980276, S6980278, S6980279, S6980298, S6980301, S6980328, S6980329, S6980332, S6980333, S6980334, S6980335, S6980337, S6980338, S6980339, S6980342, S6980343, S6980344, S6980345, S6980346, S6980347, S6980348, S6980350, S6980351, S6980352, S6980353, S6980355, S6980356

Numenius phaeopus

Common names: Whimbrel

eBird checklists: S5866237, S5866265, S5866267, S5866268, S5866270, S5866271, S5866274, S5866275, S5866276, S5866277, S5866279, S5866280, S5866281, S5866288, S6447196, S6550979, S6550982, S6550985, S6550992, S6551022, S6551023, S6551035, S6723932, S6980250, S6980255, S6980258, S6980263, S6980267, S6980268, S6980270, S6980272, S6980279, S6980285, S6980298, S6980303, S6980336, S6980339, S6980342, S6980349, S6980355, S6980356

Phalaropus lobatus

Common names: Red-necked phalarope

eBird checklists: S5866237, S5866246, S5866247, S5866248, S5866256, S5866257, S5866265, S5866276, S5866277, S5866278, S5866281, S5866285, S5866289, S5866291, S5866293, S5866294, S5866295, S5866296, S5866297, S5866299, S5866300, S5866301, S5866302, S5866303, S5870968, S5870973, S5870975, S5870977, S5870978, S5870979, S5870980, S5870981, S5870983, S5870984, S5870985, S5870986, S5870987, S6550978, S6550981, S6550982, S6550986, S6550987, S6550988, S6550989, S6550990, S6550991, S6550993, S6550994, S6550995, S6551022, S6551023, S6551025, S6551027, S6551030, S6551032, S6551033, S6551034, S6551035, S6551036, S6551037, S6980226, S6980227, S6980230, S6980231, S6980241, S6980242, S6980245, S6980247, S6980248, S6980249, S6980250, S6980251, S6980252, S6980254, S6980255, S6980257, S6980258, S6980259, S6980263, S6980268, S6980269, S6980270, S6980272, S6980274, S6980275, S6980276, S6980277, S6980279, S6980280, S6980284, S6980289, S6980291, S6980295, S6980298, S6980299, S6980301, S6980304, S6980335, S6980338, S6980339, S6980343, S6980344, S6980345, S6980346, S6980347, S6980348, S6980350, S6980351, S6980352, S6980353, S6980354, S6980355, S6980356, S6980358

Tringa flavipes

Common names: Lesser yellowlegs

eBird checklists: S11505349, S14646791, S26074376, S4841810, S5060120, S5355396, S5866236, S5866237, S5866238, S5866243, S5866247, S5866248, S5866251, S5866252, S5866253, S5866254, S5866256, S5866257, S5866258, S5866263, S5866264, S5866265, S5866266, S5866267, S5866268, S5866270, S5866271, S5866272, S5866273, S5866274, S5866275, S5866276, S5866277, S5866278, S5866279, S5866280, S5866281, S5866282, S5866283, S5866284, S5866285, S5866286, S5866287, S5866288, S5866289, S5866290, S5866291, S5866292, S5866293, S5866294, S5866295, S5866296, S5866297, S5866298, S5866299, S5866300, S5866301, S5866302, S5866303, S5866304, S5866305, S5866306, S5866307, S5866308, S5866310, S5870963, S5870964, S5870965, S5870966, S5870968, S5870969, S5870973, S5870974, S5870975, S5870976, S5870977, S5870978, S5870979, S5870980, S5870981, S5870982, S5870983, S5870984, S5870985, S5870986, S5870987, S5870988, S5870989, S5870990, S5870991, S5870992, S5870994, S5870995, S5882061, S6431386, S6446826, S6447196, S6550978, S6550979, S6550980, S6550981, S6550982, S6550983, S6550984, S6550985, S6550986, S6550987, S6550988, S6550989, S6550990, S6550991, S6550992, S6550993, S6550994, S6550995, S6550996, S6551004, S6551005, S6551006, S6551007, S6551008, S6551009, S6551010, S6551011, S6551017, S6551018, S6551019, S6551022, S6551023, S6551024, S6551025, S6551026, S6551027, S6551028, S6551029, S6551030, S6551031, S6551032, S6551033, S6551034, S6551035, S6551036, S6551037, S6551038, S6723932, S6828345, S6980221, S6980222, S6980223, S6980226, S6980227, S6980228, S6980229, S6980230, S6980231, S6980232, S6980241, S6980243, S6980244, S6980245, S6980246, S6980247, S6980248, S6980249, S6980250, S6980251, S6980252, S6980253, S6980254, S6980255, S6980257, S6980258, S6980259, S6980260, S6980261, S6980263, S6980264, S6980266, S6980267, S6980268, S6980269, S6980270, S6980271, S6980272, S6980273, S6980274, S6980275, S6980276, S6980277, S6980278, S6980279, S6980280, S6980285, S6980286, S6980287, S6980295,

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Tringa melanoleuca

Common names: Greater yellowlegs

eBird checklists: S11505349, S23192260, S23237453, S24877517, S2614658, S2960137, S4149067, S4157474, S4342574, S5060093, S5060120, S5190691, S5190837, S5200099, S5245307, S5247376, S5651798, S5655277, S5866236, S5866241, S5866246, S5866249, S5866251, S5866253, S5866254, S5866256, S5866257, S5866258, S5866263, S5866264, S5866265, S5866266, S5866267, S5866268, S5866269, S5866270, S5866271, S5866272, S5866274, S5866275, S5866276, S5866277, S5866279, S5866280, S5866281, S5866282, S5866283, S5866284, S5866285, S5866286, S5866288, S5866289, S5866291, S5866292, S5866293, S5866294, S5866295, S5866296, S5866297, S5866298, S5866299, S5866300, S5866301, S5866302, S5866303, S5866304, S5866305, S5866306, S5866307, S5866308, S5866309, S5866310, S5870963, S5870965, S5870966, S5870968, S5870969, S5870970, S5870973, S5870975, S5870976, S5870977, S5870978, S5870979, S5870980, S5870981, S5870982, S5870983, S5870984, S5870985, S5870986, S5870987, S5870988, S5870989, S5870990, S5870991, S5870992, S5870993, S5870994, S5870995, S5882060, S6442445, S6446826, S6447196, S6457399, S6470158, S6492243, S6493653, S6550978, S6550979, S6550980, S6550981, S6550982, S6550984, S6550985, S6550986, S6550987, S6550988, S6550989, S6550990, S6550991, S6550993, S6550994, S6550995, S6550996, S6550999, S6551000, S6551001, S6551002, S6551003, S6551004, S6551005, S6551006, S6551007, S6551008, S6551009, S6551010, S6551011, S6551022, S6551023, S6551025, S6551030, S6551032, S6551033, S6551034, S6551035, S6551036, S6551037, S6551038, S6723932, S6763049, S6828335, S6980220, S6980227, S6980230, S6980231, S6980232, S6980233, S6980234, S6980242, S6980245, S6980247, S6980248, S6980249, S6980250, S6980251, S6980252, S6980253, S6980254, S6980255, S6980256, S6980257, S6980258, S6980259, S6980260, S6980261, S6980263, S6980266, S6980267, S6980268, S6980269, S6980270, S6980271, S6980272, S6980273, S6980274, S6980275, S6980276, S6980277, S6980278, S6980279, S6980280, S6980281, S6980282, S6980283, S6980284, S6980285, S6980286, S6980287, S6980288, S6980289, S6980290, S6980291, S6980292, S6980295, S6980296, S6980297, S6980298, S6980299, S6980300, S6980301, S6980302, S6980303, S6980304, S6980305, S6980306, S6980307, S6980308, S6980309, S6980310, S6980311, S6980321, S6980322, S6980323, S6980324, S6980325, S6980326, S6980327, S6980328, S6980329, S6980330, S6980331, S6980332, S6980333, S6980334, S6980335, S6980336, S6980337, S6980338, S6980339, S6980341, S6980342, S6980343, S6980344, S6980345, S6980346, S6980347, S6980348, S6980350, S6980351, S6980352, S6980353, S6980354, S6980355, S6980356, S6980358, S8081987, S8287813, S8343534, S8482623, S8521206, S8542654 iNaturalist observations: 1620784

Tringa solitaria

Common names: Solitary sandpiper

eBird checklists: S18976084, S4160414, S5204934, S5204947, S5245325, S5866282, S5866284, S5866299, S5866304, S5866305, S5866306, S5866307, S5866308, S5866310, S5870983, S5870988, S5870989, S5870990, S5870991, S5870992, S5870994, S5870995, S6551017, S6551026, S6980220, S6980222, S6980231, S6980233, S6980274, S6980275, S6980276, S6980277, S6980279, S6980283, S6980284, S6980285, S6980286, S6980287, S6980288, S6980291, S6980300, S6980301, S6980302, S6980303, S6980304, S6980306, S6980307, S6980308, S6980359 iNaturalist observations: 117202

Order Coraciiformes

Family Alcedinidae

Megaceryle alcyon

Common names: Belted kingfisher

eBird checklists: S23192260, S2847755, S2847769, S4157589, S5060120, S5153679, S5177912, S5181197, S5200094, S5205805, S5245311, S5250829, S5345365, S5882067, S6447196, S6470158, S6723932, S6803816, S6828345, S6833740, S8426739, S8426744 iNaturalist observations: 14377

Order Falconiformes

Family Falconidae

Falco columbarius

Common names: Merlin

eBird checklists: S26510307, S2960137, S4147088, S5060120, S5187103, S5188713, S5247368, S5250829, S5866236, S5866249, S5866252, S5866256, S5866263, S5866264, S5866265, S5866266, S5866267, S5866268, S5866269, S5866270, S5866271, S5866272, S5866280, S5866281, S5866284, S5866294, S5866300, S5866301, S5866302, S5866303, S5866304, S5866306, S5866310, S5870964, S5870968, S5870970, S5870978, S5870984, S5870985, S5870986, S5870987, S5870988, S5870990, S5870994, S5870995, S5882067, S6447196, S6550978, S6550979, S6550981, S6550983, S6550984, S6550985, S6550987, S6550990, S6550991, S6550992, S6550994, S6550995, S6550996, S6551000, S6551001, S6551002, S6551003, S6551004, S6551005, S6551006, S6551007, S6551008, S6551009, S6551010, S6551022, S6551026, S6551028, S6551030, S6551033, S6551038, S6723932, S6980220, S6980227, S6980228, S6980229, S6980231, S6980233, S6980242, S6980243, S6980245, S6980248, S6980253, S6980254, S6980255, S6980256, S6980258, S6980260, S6980261, S6980262, S6980263, S6980266, S6980269, S6980271, S6980273, S6980274, S6980275, S6980276, S6980277, S6980278, S6980279, S6980280, S6980283, S6980284, S6980286, S6980288, S6980292, S6980295, S6980296, S6980297, S6980299, S6980301, S6980302, S6980303, S6980304, S6980306, S6980307, S6980308, S6980309, S6980322, S6980323, S6980324, S6980325, S6980326, S6980327, S6980328, S6980329, S6980330, S6980331, S6980332, S6980334, S6980335, S6980336, S6980338, S6980340, S6980341, S6980342, S6980344, S6980347, S6980348, S6980349, S6980351, S6980352, S6980353, S6980354, S6980355, S6980359

Falco peregrinus

Common names: Peregrine falcon

eBird checklists: S5866303, S5870987, S6281027, S6550981, S6550983, S6550994, S6550995, S6551034, S6551038, S6980230, S6980249, S6980253, S6980274, S6980276, S6980285, S6980287, S6980299, S6980304, S6980307, S6980309, S6980338, S6980340, S6980351, S6980352, S8519986

Falco rusticolus

Common names: Gyrfalcon

Falco sparverius

Common names: American kestrel

Order Galliformes

Family Phasianidae

Falcipennis canadensis

Common names: Spruce grouse

eBird checklists: S10829120, S10934379, S11791056, S12818368, S13456344, S22914694, S23237453, S24660738, S24859927, S25523966, S26074376, S26096151, S27124079, S27287591, S27459471, S27466932, S2820630, S2960137, S3891837, S3928853, S4157602, S4157608, S4162257, S4164351, S4342574, S5012464,

S5060120, S5146753, S5153679, S5176447, S5177912, S5177915, S5181197, S5200092, S5204952, S5205805, S5206629, S5245312, S5245313, S5250829, S5281298, S5345365, S5472495, S5804077, S6048330, S6597576, S6768345, S6811244, S6869452, S6870315, S6873993, S6914424, S6971685, S6980264, S7849998, S8177321, S8343529, S8458336, S9123885, S9487485 iNaturalist observations: 114271, 117201, 799838, 2318744, 2318748

Lagopus lagopus

Common names: Willow ptarmigan

eBird checklists: S27123938, S4157250, S6495919

Lagopus leucura

Common names: White-tailed ptarmigan

eBird checklists: S11107340, S6495919, S8482633, S8482637, S8482638, S8482639, S8482641, S8482643, S8482646, S8482649, S8519986, S8698512

Lagopus muta

Common names: Rock ptarmigan

eBird checklists: S11107340, S4157250, S6495919, S6512066, S6526683, S8482631, S8482634, S8482641, S8482646

Order Gaviiformes

Family Gaviidae

Gavia immer

Common names: Common loon

eBird checklists: S10830630, S11505349, S18838056, S19989982, S2251673, S23192260, S23973040, S24069976, S24877516, S24877517, S25069362, S25124482, S25368335, S25492838, S25523966, S25523972, S25523997, S25724908, S26074376, S26096151, S2847755, S3928853, S4147088, S4149067, S4342574, S4739791, S4841810, S5007918, S5060093, S5060120, S5080215, S5139558, S5146751, S5146753, S5153679, S5165657, S5176447, S5177912, S5177915, S5181197, S5187103, S5187530, S5188713, S5190691, S5190837, S5205805, S5206625, S5206629, S5247368, S5247376, S5250829, S5345365, S5355396, S5866241, S5866244, S5866249, S5866251, S5866253, S5866254, S5866256, S5866258, S5866264, S5866267, S5866268, S5866269, S5866270, S5866271, S5866279, S5866286, S5866289, S5866294, S5866301, S5866303, S5866305, S5866310, S5870963, S5870965, S5870966, S5870968, S5870969, S5870970, S5870973, S5870978, S5870985, S5870987, S5870989, S5870994, S6431386, S6442445, S6446826, S6447196, S6457399, S6470158, S6492243, S6493653, S6529816, S6551001, S6551030, S6551036, S6551038, S6554428, S6593802, S6597554, S6597573, S6607093, S6615174, S6723932, S6731933, S6763049, S6803816, S6811244, S6828335, S6828345, S6833740, S6869452, S6870315, S6873993, S6914424, S6971685, S6980220, S6980229, S6980234, S6980245, S6980251, S6980253, S6980258, S6980266, S6980273, S6980274, S6980276, S6980277, S6980279, S6980281, S6980283, S6980284, S6980289, S6980295, S6980296, S6980303, S6980306, S6980307, S6980308, S6980309, S6980310, S6980323, S7186373, S7333547, S7519310, S8287813, S8309514, S8343529, S8343534, S8365991, S8366301, S8379153, S8388735, S8490246, S8521206, S8521237, S8542654, S9106487 iNaturalist observations: 117215

Gavia pacifica

Common names: Pacific loon

eBird checklists: S10829130, S10830630, S12854346, S18838090, S19989982, S26623370, S27385433, S27390380, S3928853, S4011182, S4146424, S4153441, S4157585, S4158809, S4164348, S4342574, S5007918, S5060120, S5075941, S5153679, S5177912, S5181197, S5184211, S5184577, S5190686, S5190832, S5200095, S5205805, S5245310, S5245322, S5247364, S5247381, S5250829, S5851982, S6442445, S6446826, S6447196, S6457399, S6464094, S6479209, S6492243, S6493653, S6529816, S6542727, S6554428, S6597539, S6607093, S6723932, S6731933, S6763049, S6768345, S6828039, S7519310, S7849999, S8458346, S8521206, S8521237, S8557471, S9106487

Gavia stellata

Common names: Red-throated loon

eBird checklists: S13346745, S6447196, S6723932, S8521206

Order Gruiformes

Family Gruidae

Grus canadensis

Common names: Sandhill crane

eBird checklists: S18976084, S19989982, S25069362, S2960113, S2960122, S3928853, S5060120, S5355396, S5866236, S5866237, S5866238, S5866239, S5866241, S5866243, S5866246, S5866247, S5866248, S5866249, S5866253, S5866254, S5866255, S5866258, S5866263, S5866264, S5866265, S5866266, S5866267, S5866268, S5866269, S5866270, S5866271, S5866272, S5866273, S5866274, S5866275, S5866276, S5866277, S5866278, S5866279, S5866280, S5866281, S5866282, S5866283, S5866284, S5866285, S5866286, S5866288, S5866289, S5866290, S5866291, S5866292, S5866295, S5866296, S5866297, S5866299, S5866300, S5866301, S5866302, S5866304, S5866306, S5866308, S5866309, S5866310, S5870965, S5870966, S5870967, S5870969, S5870970, S5870973, S5870974, S5870975, S5870976, S5870979, S5870980, S5870981, S5870983, S5870984, S5870985, S5870986, S5870988, S5870990, S5870992, S5870993, S5870994, S5870995, S6446826, S6447196, S6529816, S6550978, S6550979, S6550980, S6550981, S6550982, S6550984, S6550985, S6550986, S6550987, S6550988, S6550989, S6550990, S6550991, S6550992, S6550993, S6550994, S6550995, S6550996, S6550998, S6550999, S6551000, S6551001, S6551002, S6551003, S6551004, S6551005, S6551006, S6551007, S6551008, S6551009, S6551010, S6551011, S6551017, S6551018, S6551019, S6551020, S6551022, S6551023, S6551025, S6551026, S6551027, S6551028, S6551029, S6551030, S6551031, S6551032, S6551033, S6551034, S6551035, S6551036, S6551037, S6551038, S6723932, S6803816, S6828345, S6980220, S6980221, S6980222, S6980223, S6980224, S6980225, S6980226, S6980227, S6980228, S6980229, S6980230, S6980231, S6980232, S6980233, S6980234, S6980241, S6980242, S6980243, S6980244, S6980245, S6980246, S6980247, S6980248, S6980249, S6980250, S6980251, S6980252, S6980253, S6980254, S6980255, S6980256, S6980258, S6980259, S6980260, S6980261, S6980262, S6980263, S6980264, S6980265, S6980266, S6980267, S6980268, S6980269, S6980270, S6980271, S6980272, S6980273, S6980274, S6980275, S6980276, S6980277, S6980278, S6980279, S6980280, S6980281, S6980282, S6980283, S6980284, S6980285, S6980286, S6980287, S6980288, S6980289, S6980290, S6980291, S6980292, S6980295, S6980296, S6980297, S6980298, S6980299, S6980300, S6980301, S6980302, S6980303, S6980305, S6980306, S6980307, S6980308, S6980309, S6980310, S6980311, S6980320, S6980321, S6980322, S6980323, S6980324, S6980325, S6980326, S6980327, S6980328, S6980329, S6980330, S6980331, S6980332, S6980333, S6980334, S6980335, S6980336, S6980337, S6980338, S6980339, S6980341, S6980342, S6980343, S6980344, S6980345, S6980346, S6980347, S6980348, S6980349, S6980350, S6980351, S6980352, S6980353, S6980354, S6980355, S6980356, S6980358, S6980359, S8343534, S8388735, S8458336, S8490259, S8521206, S8542567, S8557471 iNaturalist observations: 125358, 568346

Order Passeriformes

Family Alaudidae

Eremophila alpestris

Common names: Horned lark

eBird checklists: S11107340, S8482634, S8542506

Family Bombycillidae

Bombycilla garrulus

Common names: Bohemian waxwing

eBird checklists: S11107340, S11505349, S12402951, S25523986, S25724908, S3208067, S4342574, S4546405, S6607093, S7265021, S933765

Family Certhiidae

Certhia americana

Common names: Brown creeper

eBird checklists: S10196071, S12402951, S14192493, S22914694, S23002993, S23192260, S24859906, S25124482, S25523986, S25820636, S26394849, S27960101, S4158809, S5245322, S6147966, S6470158, S8416692, S8421449, S8426751, S8458336 iNaturalist observations: 2318731

Family Cinclidae

Cinclus mexicanus

Common names: American dipper

eBird checklists: S23237453, S2847755, S2847769, S6763049, S8542590 iNaturalist observations: 2460496

Family Corvidae

Corvus caurinus

Common names: Northwestern crow

eBird checklists: S24877517, S4342574, S5139656, S5174279, S5571321, S5571351, S5583361, S6442445, S6446826, S6457399, S6529816

Corvus corax

Common names: Common raven

eBird checklists: S1928210, S2251673, S22914694, S23002993, S23192260, S23237453, S24942960, S25069362, S25368335, S25492838, S25523966, S25724908, S25820636, S26074376, S26096151, S26510307, S26851017, S27356900, S27960101, S2960113, S3891837, S3891842, S3928853, S4158809, S4754819, S4836111, S4841810, S5012554, S5060120, S5139656, S5146753, S5153679, S5165657, S5174279, S5176447, S5177912, S5177915, S5181197, S5205805, S5206629, S5245322, S5250829, S5345365, S5355396, S5472495, S5571321, S5571351, S5581396, S5583361, S5651798, S5655277, S5866236, S5866237, S5866238, S5866240, S5866241, S5866242, S5866243, S5866245, S5866246, S5866247, S5866248, S5866249, S5866251, S5866252, S5866253, S5866258, S5866263, S5866264, S5866265, S5866266, S5866267, S5866268, S5866269, S5866271, S5866273, S5866274, S5866275, S5866276, S5866277, S5866278, S5866280, S5866281, S5866282, S5866283, S5866284, S5866285, S5866286, S5866288, S5866299, S5866302, S5866304, S5866305, S5870963, S5870964, S5870965, S5870969, S5870970, S5870983, S5870986, S5870988, S5870989, S5870995, S6256031, S6401576, S6442445, S6446826, S6447196, S6457399, S6464166, S6470158, S6479218, S6492243, S6493653, S6529816, S6550978, S6550979, S6550980, S6550981, S6550982, S6550983, S6550984, S6550985, S6550987, S6550990, S6550991, S6550992, S6550993, S6550994, S6550995, S6550998, S6550999, S6551000, S6551001, S6551002, S6551003, S6551004, S6551005, S6551006, S6551007, S6551008, S6551009, S6551010, S6551011, S6551019, S6551022, S6551024, S6551025, S6551026, S6551027, S6551028, S6551029, S6551030, S6551031, S6551035, S6551036, S6551037, S6551038, S6597576, S6617153, S6638829, S6638858, S6662938, S6674011, S6678088, S6709117, S6723932, S6768345, S6803816, S6811244, S6828039, S6828345, S6869452, S6870315, S6873993, S6914424, S6980223, S6980226, S6980227, S6980228, S6980229, S6980231, S6980233, S6980234, S6980241, S6980243, S6980244, S6980245, S6980246, S6980250, S6980251, S6980252, S6980253, S6980255, S6980258, S6980259, S6980260, S6980261, S6980263, S6980265, S6980267, S6980269, S6980270, S6980271, S6980273, S6980274, S6980275, S6980276, S6980277, S6980278, S6980279, S6980282, S6980283, S6980285, S6980289, S6980290, S6980292, S6980295, S6980296, S6980297, S6980298, S6980299, S6980300, S6980302, S6980303, S6980304, S6980306, S6980307, S6980308, S6980309, S6980310, S6980320, S6980321, S6980322, S6980323, S6980324, S6980325, S6980326, S6980327, S6980328, S6980329, S6980330, S6980331, S6980332, S6980333, S6980335, S6980336, S6980337, S6980338, S6980339, S6980340, S6980341, S6980342, S6980344, S6980347, S6980348, S6980349, S6980350, S6980351, S6980352, S6980353, S6980354, S6980355, S6980357, S6980358, S6980359, S7010320, S7265021, S7420489, S7519310, S7587890, S7849998, S8287813, S8309514, S8355463, S8365991, S8366301, S8379153, S8388735, S8400507, S8405256, S8414917, S8482619, S8521206, S8542567, S8557471, S933765

Cyanocitta stelleri

Common names: Steller's jay

eBird checklists: S26074376, S4147088, S4164351, S5007918, S5012464, S5187103, S5188713, S5247368, S5250829, S6529816, S6751007, S7265021

Perisoreus canadensis

Common names: Gray jay

eBird checklists: S10830630, S11505349, S11857752, S14192493, S16719309, S18837827, S22593797, S23192260, S23237453, S24069976, S24660738, S24859906, S25069362, S25368335, S25492838, S25523966, S25523972, S25523997, S25724908, S25820636, S26074376, S2614268, S26394849, S26510307, S26851017, S27287401, S27356850, S2960122, S3891837, S3928853, S4147088, S4149067, S4158809, S4162257, S4342574, S5012554, S5060093, S5060120, S5080215, S5104446, S5104459, S5165657, S5176281, S5187103, S5188713, S5190691, S5190837, S5245322, S5247368, S5247376, S5250829, S5296008, S5345365, S5355396, S5472495, S5842359, S5866244, S5866251, S5866263, S5866264, S5866269, S5866275, S5866280, S5866281, S5866290, S5866294, S5866303, S5866305, S5866310, S5870963, S5870974, S5870978, S5870987, S5870989, S5870994, S5882067, S5986829, S6048330, S6401576, S6431386, S6442445, S6446826, S6447196, S6457399, S6464153, S6470158, S6479215, S6492243, S6493653, S6550990, S6550992, S6551000, S6551022, S6662938, S6674011, S6723932, S6763049, S6768345, S6811244, S6828039, S6828345, S6873993, S6980322, S6980347, S6980349, S6980355, S7265021, S7333492, S7519310, S7587890, S8287813, S8343534, S8353732, S8360135, S8365991, S8366301, S8379153, S8388735, S8414468, S8414915, S8482623, S8521206, S8521223, S8542590, S8542654, S9106487 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

eBird checklists: S5866236, S5866264, S5866266, S5866272, S6550981, S6550982, S6550991, S6550992, S6550993, S6550994, S6550996, S6551006, S6551010, S6980286, S6980287, S6980288, S6980289, S6980290, S6980291, S6980299, S6980310, S6980311, S6980328, S6980332, S6980334, S6980338, S6980339, S6980348, S6980349, S6980350, S6980351

Junco hyemalis

Common names: Dark-eyed junco

eBird checklists: S10829120, S10830630, S11505349, S12402951, S14192493, S18838056, S2251673, S22593797, S22914694, S23002993, S23192260, S23237453, S24660738, S24859906, S24877516, S25069362, S2614268, S26969647, S26996640, S27356850, S2960113,

S2960122, S3891842, S3928853, S4147109, S4153449, S4158809, S4342574, S4836111, S5007918, S5012554, S5060093, S5060120, S5075941, S5133609, S5146753, S5153679, S5172691, S5173348, S5176447, S5177915, S5187101, S5188712, S5190685, S5190831, S5206629, S5210083, S5245322, S5247369, S5247382, S5355396, S5851982, S5866236, S5866237, S5866241, S5866244, S5866251, S5866254, S5866263, S5866264, S5866265, S5866266, S5866267, S5866268, S5866269, S5866270, S5866271, S5866275, S5866277, S5866280, S5866281, S5866282, S5870963, S5870966, S6305589, S6401576, S6431386, S6446826, S6447196, S6463943, S6470158, S6479204, S6529816, S6550978, S6550981, S6550982, S6550983, S6550985, S6550988, S6550990, S6550991, S6550992, S6550993, S6550994, S6550996, S6551000, S6551001, S6551004, S6551005, S6551006, S6551007, S6551008, S6551009, S6551017, S6551019, S6551020, S6551022, S6551023, S6551028, S6551030, S6551031, S6551032, S6551033, S6551034, S6551036, S6551038, S6607093, S6617153, S6638829, S6638858, S6662938, S6674011, S6678088, S6723932, S6731933, S6768345, S6828345, S6869452, S6870315, S6873993, S6980222, S6980223, S6980224, S6980225, S6980243, S6980245, S6980246, S6980247, S6980248, S6980249, S6980250, S6980251, S6980253, S6980262, S6980309, S6980322, S6980323, S6980326, S6980327, S6980328, S6980329, S6980330, S6980331, S6980334, S6980335, S6980338, S6980339, S6980340, S6980342, S6980345, S6980347, S6980348, S6980349, S6980350, S6980351, S6980353, S6980354, S6980355, S6980356, S7316942, S8287813, S8297608, S8309514, S8353732, S8355463, S8360135, S8365991, S8366301, S8379153, S8388735, S8405256, S8414917, S8416692, S8421449, S8426751, S8482619, S8482631, S8482655, S8482657, S8482662, S8521206, S8521223, S8521237, S8557471, S8749697, S9106487, S933765 iNaturalist observations: 114272, 115160, 799836, 800017

Melospiza lincolnii

Common names: Lincoln's sparrow

eBird checklists: S14192493, S2614273, S2614658, S4147055, S4147109, S4157585, S4157608, S5012554, S5060093, S5060120, S5133609, S5172691, S5173348, S5187101, S5187105, S5188712, S5188715, S5200092, S5200095, S5204952, S5210083, S5245310, S5245313, S5247366, S5247369, S5882061, S6447196, S6470158, S6723932, S6731933, S7918037, S8482619, S8521206, S8521223, S933765

Melospiza melodia

Common names: Song sparrow

eBird checklists: S5080215, S6470158, S8521206

Passerculus sandwichensis

Common names: Savannah sparrow

eBird checklists: S11107294, S11107340, S2614273, S4157608, S5060093, S5060120, S5133609, S5172691, S5173348, S5200092, S5204952, S5210083, S5245313, S5651798, S5655277, S5866237, S5866238, S5866239, S5866240, S5866241, S5866242, S5866243, S5866245, S5866246, S5866247, S5866248, S5866252, S5866253, S5866254, S5866255, S5866256, S5866257, S5866263, S5866269, S5866270, S5866271, S5866274, S5866275, S5866276, S5866277, S5866278, S5866280, S5866281, S5866282, S5866283, S5866287, S5866288, S5866289, S5866290, S5866291, S5866295, S5866296, S5866297, S5866300, S5866301, S5866302, S5866303, S5866304, S5866305, S5866307, S5866308, S5866309, S5866310, S5870964, S5870965, S5870966, S5870967, S5870968, S5870973, S5870974, S5870975, S5870979, S5870980, S5870981, S5870984, S5870985, S5870986, S5870987, S5870988, S5870989, S5870991, S5870992, S5870993, S5870994, S5888470, S6447196, S6470158, S6550981, S6550989, S6550990, S6550991, S6550992, S6550993, S6550994, S6550995, S6551006, S6551017, S6551018, S6551019, S6551020, S6551022, S6551023, S6551024, S6551025, S6551026, S6551027, S6551028, S6551029, S6551030, S6551031, S6551032, S6551033, S6551034, S6551035, S6551036, S6551037, S6551038, S6723932, S6980220, S6980221, S6980222, S6980223, S6980224, S6980225, S6980226, S6980227, S6980228, S6980230, S6980231, S6980232, S6980233, S6980234, S6980241, S6980242, S6980243, S6980244, S6980245, S6980246, S6980247, S6980248, S6980249, S6980250, S6980251, S6980252, S6980253, S6980254, S6980255, S6980256, S6980257, S6980258, S6980259, S6980260, S6980261, S6980262, S6980263, S6980264, S6980265, S6980267, S6980268, S6980269, S6980270, S6980271, S6980272, S6980273, S6980274, S6980275, S6980276, S6980277, S6980278, S6980279, S6980280, S6980281, S6980282, S6980283, S6980284, S6980285, S6980286, S6980287, S6980288, S6980289, S6980290, S6980291, S6980292, S6980295, S6980296, S6980297, S6980298, S6980299, S6980300, S6980301, S6980302, S6980303, S6980304, S6980305, S6980306, S6980307, S6980308, S6980309, S6980310, S6980311, S6980328, S6980338, S6980346, S6980347, S6980348, S6980349, S6980350, S6980351, S6980352, S6980353, S6980354, S6980355, S6980356, S6980357, S6980358, S6980359, S8482619, S8482623, S8482631, S8521206, S8540528, S8540538, S8542506, S8542528, S8542567 iNaturalist observations: 799854

Passerella iliaca

Common names: Fox sparrow

eBird checklists: S24877517, S26969647, S26996640, S5012464, S5012554, S5296004, S5296032, S5663715, S6360741, S6470158, S8270083, S8309514, S8388735, S8416692, S8482619, S8482662, S8521206, S8540528, S8540538, S8542506, S8542528, S933765

Plectrophenax nivalis

Common names: Snow bunting

eBird checklists: S6495919 iNaturalist observations: 134313

Spizella arborea

Common names: American tree sparrow

Zonotrichia atricapilla

Common names: Golden-crowned sparrow

eBird checklists: S11107294, S23237453, S24660738, S4342574, S5012554, S6495919, S6582321, S6828345, S8482619, S8482631, S8482655, S8482657, S8482662, S8540528, S8540538, S8542506, S8542528, S8557753, S933765 iNaturalist observations: 799858

Zonotrichia leucophrys

Common names: White-crowned sparrow

eBird checklists: S11505349, S2251673, S23973040, S26074376, S2614273, S2960122, S3928853, S4147109, S4342574, S5007918, S5012554, S5060120, S5187101, S5188712, S5247369, S5882061, S6370852, S6442445, S6446826, S6447196, S6457399, S6470158, S6529816, S6597539, S6617129, S6723932, S6768345, S8482619, S8482623, S8482631, S8482655, S8482657, S8521206, S8749697, S933765 iNaturalist observations: 115149, 799848

Family Fringillidae

Carduelis flammea

Synonyms: Acanthis flammea

Common names: Common redpoll

eBird checklists: S11107340, S22593797, S22914694, S23002993, S23192260, S23237453, S24877517, S25492838, S25724908, S25820636, S26969647, S26996640, S3891837, S4147055, S4841810, S5187105, S5188715, S5247366, S5355396, S5471617, S5472495, S5866264, S6147966, S6446826, S6447196, S6492243, S6493653, S6607093, S6723932, S6828345, S7265021, S7519310, S7587890, S8287813, S8482631, S8521206, S8540528, S8540538, S8542506, S8542528

Carduelis pinus

Common names: Pine siskin

Leucosticte tephrocotis

Common names: Gray-crowned rosy-finch

eBird checklists: S6512066, S8482643, S8482644, S8482655, S8540538

Loxia curvirostra

Common names: Red crossbill

eBird checklists: S5012464

Loxia leucoptera

Common names: White-winged crossbill

eBird checklists: S11107340, S11505349, S11898823, S22593797, S22914694, S23002993, S23237453, S24660738, S25523997, S2614277, S27287401, S27356850, S3891837, S4153449, S4157583, S4342574, S5080215, S5200096, S5245309, S5250829, S5472495, S5866266, S6495919, S6828345, S7519310, S7587890

Pinicola enucleator

Common names: Pine grosbeak

eBird checklists: S11791056, S12818368, S14192503, S2251673, S23237453, S24859927, S25523972, S25724908, S25820636, S26510307, S26623370, S27960101, S2960122, S3928853, S4244604, S5075941, S5146753, S5153679, S5176447, S5177912, S5177915, S5181197, S5190685, S5190831, S5205805, S5206629, S5247382, S6464103, S6479212, S6529816, S6554428, S6597539, S6828039, S7316942, S7519310, S7551994, S7849999, S8270083, S8365954, S8366302, S8482619, S8482662, S8521206, S8557471 iNaturalist observations: 568354, 800011

Family Hirundinidae

Petrochelidon pyrrhonota

Common names: Cliff swallow

eBird checklists: S24877517, S26074376, S2616880, S7918037, S8542567

Riparia riparia

Common names: Bank swallow

eBird checklists: S3891842, S4836111, S5060120, S5866301, S5870985, S5882067, S6446826, S6447196, S6470158, S6551032, S6551036, S6551037, S6723932, S6980247, S6980251, S6980252, S8349644, S8521206

Tachycineta bicolor

Common names: Tree swallow

eBird checklists: S11505349, S24877517, S3891842, S4157583, S4836111, S5060093, S5060120, S5200096, S5245309, S5866237, S5866257, S5866264, S5866266, S5866269, S5866270, S5866273, S5866278, S5866295, S5866296, S5866297, S5866299, S5866300, S5866301, S5866302, S5866303, S5870968, S5870979, S5870980, S5870981, S5870983, S5870984, S5870985, S5870986, S5870987, S6442445, S6446826, S6447196, S6457399, S6529816, S6550981, S6550985, S6550988, S6550989, S6550990, S6550991, S6551000, S6551008, S6551018, S6551020, S6551025, S6551026, S6551029, S6551032, S6551033, S6551034, S6551036, S6607093, S6723932, S6980221, S6980224, S6980244, S6980247, S6980248, S6980249, S6980251, S6980258, S6980322, S6980330, S6980338, S6980342, S6980345, S6980346, S6980347, S6980348, S6980358, S6980359, S8365954, S8366302, S8379153, S8405256, S8414917, S8521206, S8542567, S933765

Tachycineta thalassina

Common names: Violet-green swallow

eBird checklists: S26074376, S2960113, S2960122, S3928853, S4157602, S4342574, S5012464, S5012554, S5060093, S5060120, S5075941, S5080215, S5245312, S5866237, S5866238, S5866245, S5866246, S5866247, S5866248, S5866263, S5866264, S5866267, S5866268, S5866269, S5866270, S5866271, S5866272, S5866273, S5866274, S5866275, S5866276, S5866277, S5866278, S5866279, S5866281, S5866282, S5866283, S5866286, S5866291, S5870975, S6435397, S6442445, S6446826, S6447196, S6457399, S6492243, S6493653, S6529816, S6550990, S6550991, S6550996, S6551010, S6551017, S6551018, S6551025, S6551026, S6551027, S6551028, S6551029, S6551030, S6551031, S6551033, S6551034, S6551036, S6597554, S6723932, S6763049, S6980221, S6980222, S6980225, S6980226, S6980241, S6980243, S6980244, S6980245, S6980246, S6980248, S6980249, S6980251, S6980264, S6980265, S6980268, S6980277, S6980332, S6980334, S6980347, S6980348, S6980358, S6980359, S7186373, S7918037, S8379153, S8400507, S8521206, S8542567

Family Icteridae

Euphagus carolinus

Common names: Rusty blackbird

eBird checklists: S10825412, S11505349, S11857752, S5165657, S5866236, S5866237, S5866244, S5866249, S5866263, S5866266, S5866267, S5866268, S5866269, S5866270, S5866271, S5866272, S5866275, S5866280, S5866281, S5866282, S5866284, S5866294, S5866297, S5866300, S5866304, S5866307, S5870970, S5870978, S5870981, S5870984, S5870988, S5870991, S5870995, S6431386, S6495902, S6499107, S6550981, S6550990, S6550991, S6550992, S6550993, S6551007, S6551010, S6551011, S6551017, S6551019, S6551020, S6551022, S6551023, S6551024, S6551027, S6551028, S6551029, S6551030, S6551034, S6551035, S6551036, S6551038, S6597526, S6763049, S6980222, S6980223, S6980224, S6980227, S6980233, S6980241, S6980243, S6980244, S6980245, S6980249, S6980250, S6980251, S6980253, S6980282, S6980283, S6980284, S6980297, S6980308, S6980329, S6980332, S6980333, S6980338, S6980347, S6980348, S6980349, S6980350, S6980353, S6980354, S6980355, S6980356, S6980357, S7604387, S8343529, S8343534, S8365991, S8366301, S8458336, S8490249

Family Laniidae

Lanius excubitor

Common names: Northern shrike

eBird checklists: S4244604, S5060120, S5651798, S5655277, S6442445, S6457399, S6980269, S7265021, S8297608, S8353732, S8360135

Family Motacillidae

Anthus rubescens

Common names: American pipit

eBird checklists: S11107340, S5866236, S5866264, S5866310, S5870994, S6447196, S6470158, S6512066, S6723932, S8482631, S8482634, S8482637, S8482655, S8540538, S8542506

Family Muscicapidae

Oenanthe oenanthe

Common names: Northern wheatear

Family Paridae

Poecile atricapillus

Common names: Black-capped chickadee

eBird checklists: S11505349, S18838056, S2251673, S22914694, S23002993, S23192260, S24942960, S25069362, S25368335, S25492838, S25523966, S25820636, S26394849, S26510307, S27356849, S27356850, S27960101, S2872640, S4147055, S4147109, S4153449, S4157602, S4158809, S5012464, S5060093, S5060120, S5146751, S5165657, S5176285, S5187101, S5187105, S5187530, S5188712, S5188715, S5190685, S5190831, S5206625, S5245312, S5245322, S5247366, S5247369, S5247382, S5250829, S5355396, S5866264, S5866269, S6041398, S6401576, S6431386, S6442445, S6446826, S6447196, S6457399, S6470158, S6529816, S6617129, S6617153, S6662938, S6674011, S6723932, S6833740, S6869452, S6870315, S6980299, S7265021, S7333547, S7420489, S7519310, S7587890, S8343534, S8355463, S8365954, S8365991, S8366301,

S8366302, S8379153, S8388735, S8482619, S8521223, S8528140, S8542528, S8749697 iNaturalist observations: 2318746

Poecile hudsonicus

Common names: Boreal chickadee

eBird checklists: S10196071, S10934379, S11505349, S11857752, S1928210, S19988512, S22593797, S22914694, S23002993, S23237453, S24069976, S24660738, S24859887, S24859906, S24877516, S25124482, S25492838, S25523986, S25724908, S25820636, S2614273, S26510307, S26851017, S27287433, S27287591, S27960101, S3891837, S3928853, S4147109, S4153449, S4158809, S4342574, S5012464, S5060093, S5146751, S5146753, S5165657, S5176447, S5177915, S5187101, S5188712, S5190685, S5190831, S5206625, S5206629, S5245322, S5247369, S5247382, S5250829, S5345365, S5355396, S5472495, S5866252, S5866264, S5866266, S5866269, S5866272, S5866290, S5866307, S5866309, S5870964, S5870974, S5870991, S5870993, S5882060, S6009443, S6041398, S6048330, S6362868, S6447196, S6470158, S6550998, S6551000, S6723932, S6731933, S6763049, S6768345, S6811244, S6828039, S6828345, S6833740, S6869452, S6870315, S6873993, S6980220, S6980225, S6980226, S6980229, S6980233, S6980234, S6980258, S6980259, S6980260, S6980261, S6980263, S6980264, S6980265, S6980273, S6980277, S6980279, S6980281, S6980282, S6980283, S6980284, S6980286, S6980291, S6980292, S6980295, S6980296, S6980302, S6980306, S6980307, S6980310, S6980320, S6980322, S7120196, S7265021, S7420489, S7519310, S7587890, S8287813, S8414468, S8414915, S8421449, S8426751, S8482619, S8521206, S8542590, S9123885 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: Leiothlypis celata, Oreothlypis 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

eBird checklists: S10829120, S10830630, S11505349, S11857752, S12818368, S23192260, S23237453, S24859906, S25492838, S2614268, S27287591, S27356850, S2960113, S2960122, S3891842, S3928853, S4147055, S4149067, S4836111, S4889411, S5007918, S5012464, S5012554, S5060093, S5060120, S5176285, S5187105, S5188715, S5190691, S5190837, S5247366, S5247376, S5250829, S5866236, S5866263, S5866264, S5866266, S5866267, S5866275, S5866277, S5866278, S5866280, S6295419, S6431386, S6442445, S6446826, S6447196, S6457399, S6470158, S6550980, S6550988, S6550989, S6550993, S6550994, S6550995, S6551005, S6551007, S6551008, S6551009, S6551010, S6551011, S6551022, S6551024, S6551025, S6551028, S6551032, S6551038, S6617153, S6723932, S6763049, S6811244, S6833740, S6980226, S6980243, S6980247, S6980253, S6980327, S6980329, S6980330, S6980331, S6980332, S6980333, S6980337, S6980345, S6980346, S6980350, S6980351, S6980352, S6980354, S6980355, S6980357, S6980358, S8287813, S8355463, S8365991, S8366301, S8379153, S8388735, S8400507, S8416692, S8421449, S8426751, S8482619, S8482662, S8521206 iNaturalist observations: 114311, 799835

Regulus satrapa

Common names: Golden-crowned kinglet

eBird checklists: S23002993, S24859887, S24859906, S26969647, S26996640, S3891837, S4153436, S4158809, S5012464, S5075941, S5190688, S5190834, S5245322, S5247379, S5355396, S6240533, S6470158, S6833740, S6841865, S7120196, S7420489, S7519310, S8343529, S8343534, S8365991, S8366301, S8379153, S8388735, S8405256, S8414468, S8414915, S8414917, S8416692, S8421449, S8426751, S8482619, S8482662, S8521206

Family Sittidae

Sitta canadensis

Common names: Red-breasted nuthatch

eBird checklists: S10196071, S19989982, S22593797, S23002993, S24859906, S3891837, S3891842, S4157602, S4836111, S5012464, S5060093, S5146751, S5206625, S5245312, S5250829, S5355396, S5472495, S5866263, S5866264, S5866270, S6447196, S6529816, S6723932, S6811244, S7265021

Family Troglodytidae

Troglodytes pacificus

Common names: Pacific wren

eBird checklists: S6617153 iNaturalist observations: 2318732, 2318732

Family Turdidae

Catharus guttatus

Common names: Hermit thrush

eBird checklists: S10830630, S11107294, S14646791, S24877516, S2614277, S26969647, S26996640, S2960122, S3928853, S4342574, S4841810, S5012464, S5080215, S5153679, S5177912, S5181197, S5205805, S5345365, S5866239, S5866240, S5866241, S5866242, S5866245, S5866246, S5866247, S5866248, S5866252, S5866270, S5866271, S5866272, S5866273, S5866274, S5866275, S5866277, S5866278, S5866280, S5870964, S6401576, S6447196, S6470158, S6550993, S6550994, S6550995, S6551017, S6551018, S6551019, S6551022, S6551023, S6551025, S6551026, S6551027, S6551028, S6551029, S6551030, S6551031, S6551032, S6551033, S6551034, S6551035, S6551036, S6582321, S6723932, S6980221, S6980222, S6980223, S6980225, S6980226, S6980241, S6980243, S6980244, S6980245, S6980246, S6980247, S6980248, S6980249, S6980250, S6980251, S6980254, S6980259, S6980350, S6980351, S6980352, S6980353, S6980354, S6980355, S6980356, S6980358, S6980359, S8270083, S8309514, S8343529, S8343534, S8355463, S8365954, S8366302, S8379153, S8388735, S8421449, S8426751, S8482619, S8482631, S8482655, S8482662, S8521206, S8540528, S8540538, S8542506, S8542528, S8557471, S9106487, S933765, S9487485 iNaturalist observations: 114309

Catharus minimus

Common names: Gray-cheeked thrush

eBird checklists: S11505349, S12402951, S26074376, S2614268, S5075941, S5080215, S5296004, S5296032, S6582321

Catharus ustulatus

Common names: Swainson's thrush

eBird checklists: S11505349, S14192493, S24877516, S2614268, S26969647, S26996640, S3891842, S4153433, S4342574, S4836111, S4841810, S5012464, S5060093, S5060120, S5075941, S5080215,

S5146751, S5146753, S5153679, S5165657, S5176285, S5176447, S5177912, S5177915, S5181197, S5187530, S5190689, S5190835, S5205805, S5206625, S5206629, S5247378, S5355396, S6431386, S6459646, S6470158, S6529816, S6551019, S6551020, S6551028, S6551029, S6551031, S6551032, S6551034, S6551036, S6551037, S6551038, S6554428, S6567931, S6607093, S6617153, S6638829, S6638858, S6678088, S6763049, S6980223, S6980224, S6980243, S6980244, S6980246, S6980247, S6980249, S6980251, S6980252, S6980253, S6980262, S8355463, S8365991, S8366301, S8379153, S8405256, S8414468, S8414915, S8414917, S8416692, S8421449, S8426751, S8482619, S8482662, S8521206, S8521223, S8528140

Ixoreus naevius

Common names: Varied thrush

eBird checklists: S10829120, S10830630, S11107294, S11791490, S11898823, S18838090, S2251673, S22593797, S22914694, S23002993, S23192260, S23237453, S26074376, S26969647, S26996640, S27356850, S2960113, S2960122, S3928853, S4153433, S4164348, S4841810, S5012464, S5060120, S5075941, S5080215, S5146751, S5153679, S5177912, S5181197, S5190689, S5190835, S5205805, S5206625, S5247378, S5355396, S5866245, S5866246, S5866247, S5866263, S5866269, S5866270, S5866272, S5866273, S5866274, S5866275, S5866276, S5866277, S5866278, S5866279, S5866283, S6360741, S6401576, S6442445, S6446826, S6447196, S6457399, S6463935, S6463943, S6464166, S6470158, S6479203, S6479204, S6479218, S6529816, S6542727, S6550981, S6550990, S6550991, S6551005, S6551009, S6551018, S6551025, S6551026, S6551027, S6551028, S6551029, S6551030, S6554428, S6617153, S6662938, S6674011, S6723932, S6763049, S6980221, S6980225, S6980226, S6980241, S6980243, S6980244, S6980245, S6980262, S6980264, S6980265, S6980327, S6980331, S6980338, S6980347, S6980348, S6980358, S6980359, S7316942, S8075040, S8287813, S8353732, S8360135, S8365954, S8366302, S8414468, S8414915, S8416692, S8421449, S8426751, S8482619, S8482631, S8482655, S8482662, S8521206, S8540528, S8542590, S8749697

Myadestes townsendi

Common names: Townsend's solitaire

eBird checklists: S11898823, S7273811, S8482631

Turdus migratorius

Common names: American robin

eBird checklists: S10829130, S10830630, S11107294, S11505349, S11857752, S14192493, S14192503, S18838090, S23002993, S23237453, S23973040, S24859906, S24877517, S25124482, S26074376, S2614268, S26623370, S26969647, S26996640, S27356850, S27356854, S2960113, S2960122, S3891842, S3928853, S4153433, S4157583, S4158809, S4342574, S4836111, S5012464, S5012554, S5060093, S5060120, S5075941, S5080215, S5133609, S5146751, S5146753, S5165657, S5172691, S5173348, S5176447, S5177915, S5190689, S5190835, S5200096, S5206625, S5206629, S5210083, S5245309, S5245322, S5247378, S5250829, S5345365, S5355396, S5866236, S5866237, S5866238, S5866239, S5866240, S5866241, S5866242, S5866243, S5866244, S5866245, S5866246, S5866252, S5866253, S5866263, S5866264, S5866265, S5866266, S5866267, S5866268, S5866269, S5866270, S5866271, S5866272, S5866273, S5866274, S5866275, S5866276, S5866277, S5866278, S5866280, S5866281, S5866282, S5866285, S5866286, S5866288, S5866290, S5870964, S5870965, S5870974, S6304603, S6360741, S6401576, S6431386, S6442445, S6446826, S6447196, S6457399, S6463943, S6464166, S6470158, S6479204, S6479218, S6492243, S6493653, S6529816, S6550978, S6550979, S6550980, S6550981, S6550982, S6550983, S6550984, S6550985, S6550986, S6550987, S6550988, S6550989, S6550990, S6550991, S6550992, S6550993, S6550994, S6550995, S6550996, S6550998, S6551000, S6551001, S6551002, S6551004, S6551006, S6551007, S6551008, S6551009, S6551010, S6551011, S6551017, S6551018, S6551019, S6551020, S6551022, S6551023, S6551024, S6551025, S6551026, S6551027, S6551028, S6551029, S6551030, S6551031, S6551032, S6551033, S6551034, S6551035, S6551036, S6551037, S6551038, S6554428, S6597554, S6617153, S6662938, S6674011, S6723932, S6731933, S6763049, S6828345, S6869452, S6870315, S6873993, S6914424, S6980221, S6980222, S6980223, S6980224, S6980225, S6980226, S6980241, S6980243, S6980244, S6980245, S6980246, S6980247, S6980248, S6980249, S6980250, S6980251, S6980252, S6980253, S6980254, S6980258, S6980320, S6980322, S6980323, S6980324, S6980326, S6980328, S6980329, S6980330, S6980331, S6980332, S6980333, S6980334, S6980335, S6980336, S6980337, S6980338, S6980339, S6980340, S6980341, S6980342, S6980343, S6980344, S6980345, S6980346, S6980347, S6980348, S6980349, S6980350, S6980351, S6980352, S6980353, S6980354, S6980355, S6980356, S6980357, S6980358, S6980359, S7316942, S7849999, S8075040, S8191831, S8287813, S8297608, S8343529, S8343534, S8355463, S8365954, S8365991, S8366301, S8366302, S8388735, S8400507, S8405256, S8414468, S8414915, S8414917, S8416692, S8421449, S8426751, S8482619, S8482631, S8482655, S8482662, S8521206, S8521223, S8521237, S8542567, S8557753, S933765 iNaturalist observations: 115148, 799841

Family Tyrannidae

Contopus cooperi

Common names: Olive-sided flycatcher

eBird checklists: S11505349, S2614273, S26969647, S26996640, S2960113, S2960122, S3928853, S4153449, S5060120, S5104446, S5104459, S5146751, S5146753, S5176447, S5177915, S5190685, S5190831, S5206625, S5206629, S5247382, S5866239, S5866241, S5866245, S5866246, S5866247, S5866248, S5866256, S5866274, S5866275, S5866276, S5866277, S5866278, S5866282, S5866283, S5866290, S5866304, S5870968, S5870974, S5870988, S6446826, S6447196, S6470158, S6495902, S6550992, S6550994, S6551026, S6551027, S6551028, S6551036, S6551038, S6617129, S6617153, S6723932, S6980226, S6980241, S6980243, S6980251, S6980253, S6980260, S6980261, S6980263, S6980272, S6980273, S6980296, S6980297, S6980307, S6980349, S6980351, S6980359, S7316942, S8349644, S8365954, S8366302, S8458336, S8521206, S8528140, S933765

Contopus sordidulus

Common names: Western wood-pewee

eBird checklists: S11505349, S2614273, S27287401, S4153449, S4157602, S4158809, S4342574, S5060120, S5190685, S5190831, S5245312, S5245322, S5247382, S5250829, S6447196, S6495902, S6529816, S6550992, S6550993, S6550994, S6551019, S6551022, S6551023, S6551031, S6551034, S6551036, S6551038, S6617129, S6617153, S6723932, S6980223, S6980246, S6980249, S6980251, S6980253, S6980260, S6980261, S6980263, S6980295, S6980296, S6980349, S6980350, S6980351, S6980353, S6980354, S6980355, S6980356, S8349644, S8379153, S8458336, S8521206, S8528140

Empidonax alnorum

Common names: Alder flycatcher

eBird checklists: S11107294, S11505349, S14192503, S18976084, S21641543, S2524052, S2614277, S26969647, S26996640, S27287401, S4157583, S4342574, S4841810, S5012464, S5075941, S5080215, S5104446, S5104459, S5165657, S5200096, S5245309, S5250829, S5882067, S6431386, S6492243, S6493653, S6495902, S6529816, S6550992, S6550995, S6551022, S6551023, S6551028, S6554428, S6567931, S6582321, S6763049, S6980243, S6980273, S6980349, S6980352, S6980354, S6980355, S6980356, S7316942, S8287813, S8349644, S8365954, S8366302, S8458336, S8482619, S8482662, S8521206, S933765

Empidonax hammondii

Common names: Hammond's flycatcher

eBird checklists: S2616908

Order Piciformes

Family Picidae

Colaptes auratus

Common names: Northern flicker

eBird checklists: S11505349, S2251673, S3928853, S5012554, S7120366

Picoides arcticus

Common names: Black-backed woodpecker

eBird checklists: S5110610, S5153679, S5177912, S5181197, S5205805

Picoides dorsalis

Common names: American three-toed woodpecker

eBird checklists: S12818368, S22914694, S23002993, S24660738, S25124482, S25492838, S25724908, S2614658, S26394849, S26510307, S26623370, S27960101, S3928853, S4162257, S4342574, S5355396, S5866267, S5866270, S6041398, S6147966, S6304603, S6431386, S6447196, S6638829, S6638858, S6678088, S6723932, S6869452, S6870315, S7519310, S7791841, S7849999, S8343534, S8349644, S8490263

Picoides pubescens

Common names: Downy woodpecker

eBird checklists: S24877516, S25492838, S2620546, S27287591, S4153433, S5104459, S5190689, S5190835, S5247378, S5866268, S5882067, S6550994, S6551005, S6551009, S6551025, S6551027, S6551028, S6811244, S6980241, S6980243, S6980327, S6980331, S6980351, S6980358, S7587890

Picoides villosus

Common names: Hairy woodpecker

eBird checklists: S12818368, S2251673, S22914694, S23237453, S25724908, S26394849, S5060093, S5060120, S5355396, S5842359, S5866237, S5866239, S5866241, S5866242, S5866249, S5866263, S5866264, S5866266, S5866269, S5866272, S5866274, S5866275, S5866276, S5866278, S5866282, S5866306, S5866310, S5870970, S5870990, S5870994, S5882067, S6076874, S6447196, S6723932, S6763049, S7449173, S7742759, S8379153

Order Podicipediformes

Family Podicipedidae

Podiceps auritus

Common names: Horned grebe

eBird checklists: S25368335, S25492838, S25523972, S25523997, S26074376, S3185332, S6976062, S7333547, S7333987, S7519310

Podiceps grisegena

Common names: Red-necked grebe

eBird checklists: S11505349, S25124482, S26623370, S27287401, S3928853, S4157474, S5060120, S5146753, S5176447, S5177915, S5200099, S5206629, S5245307, S5250829, S5866281, S5866284, S5866285, S5866289, S5866291, S5866304, S5866306, S5866307, S5866308, S5870973, S5870975, S5870988, S5870990, S5870991, S5870992, S5870995, S6431386, S6442445, S6446826, S6447196, S6457399, S6492243, S6493653, S6529816, S6550981, S6550982, S6550990, S6551001, S6551022, S6551023, S6551030, S6551032, S6551033, S6551036, S6554428, S6607093, S6723932, S6763049, S6828335, S6828345, S6873993, S6914424, S6980245, S6980247, S6980248, S6980251, S6980271, S6980274, S6980286, S6980291, S6980295, S6980299, S6980307, S6980309, S6980323, S6980338, S6980339, S6980347, S6980353, S6980355, S6980356, S7333547, S7333987, S7519310, S7849999, S8287813, S8343529, S8343534, S8482619, S8482662, S8521206, S8521237

Order Procellariiformes

Family Hydrobatidae

Oceanodroma furcata

Common names: Fork-tailed storm-petrel

eBird checklists: S2820571, S3046963

Order Strigiformes

Family Strigidae

Aegolius acadicus

Common names: Northern saw-whet owl

eBird checklists: S23791344, S2620567, S5866236, S5866267, S5866282, S6551007, S6980329

Aegolius funereus

Common names: Boreal owl

eBird checklists: S22444136

Asio flammeus

Common names: Short-eared owl

eBird checklists: S5866263, S5866266, S5866267, S5866268, S5866269, S5866306, S5870990, S6550991, S6551004, S6551007, S6551017, S6980222, S6980326, S6980329, S6980348

Bubo virginianus

Common names: Great horned owl

eBird checklists: S22444008, S2620563, S2960137, S4157583, S5200096, S5245309, S5345365, S5355396, S5866263, S5866264, S5866266, S5866267, S5866284, S5866302, S5866304, S5870986, S5870988, S5870995, S6431386, S6551025, S6551029, S6763049, S6873993, S6980244, S6980280, S6980285, S6980291, S6980353, S6980358, S8482662

Strix nebulosa

Common names: Great gray owl

eBird checklists: S5355396, S5461985

Surnia ulula

Common names: Northern hawk owl

eBird checklists: S5146753, S5153679, S5176447, S5177912, S5177915, S5181197, S5205805, S5206629, S6492243, S6493653, S7748815

Order Suliformes

Family Phalacrocoracidae

Phalacrocorax auritus

Common names: Double-crested cormorant

eBird checklists: S11505349, S23192260, S23237453, S25368335, S25492838, S3185332, S4152362, S4342574, S5015169, S5060120, S5190690, S5190836, S5247377, S5250829, S6446826, S6447196, S6470158, S6723932, S6811244, S6914424, S7519310, S8521206

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 lupus
Common names: Gray wolf

Vulpes vulpes
Common names: Red fox

Family Felidae

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

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

Phylum Annelida

Class Hirudinea

Order Arhynchobdellida

Family Erpobdellidae

Erpobdella punctata

Family Haemopidae

Haemopis 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

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 meashweaver 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

Neriene 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 Sclerosomatidae

Leptobunus borealis
Arctos records: KNWR:Ento:10647

Mitopus morio
Arctos records: KNWR:Ento:6799, UAM:Ento:94515

Nelima paessleri

Order Pseudoscorpiones

Family Neobisiidae

Microbisium sp. bold:aci8632
Arctos records: KNWR:Ento:10324

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: KNWR:Ento:4452, UAM:Ento:113558

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

Ips borealis

Ips perturbatus

Isochnus flagellum
Arctos records: KNWR:Ento:4077, KNWR:Ento:5526

Lepyrus gemellus
Arctos records: KNWR:Ento:1430

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

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[1], 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

Dictyoptera 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 Pyrochroidae

Dendroides ephemeroides

Arctos records: KNWR:Ento:6804

Family Pythidae

Priognathus 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 Scraptiidae

Anaspis rufa

Arctos records: KNWR:Ento:6797

Family Silphidae

Nicrophorus investigator

Arctos records: KNWR:Ento:1436

Nicrophorus vespilloides

Taxonomic notes: Alaskan specimens are conspecific with Old World Nicrophorus vespilloides Sikes et al. (2016).

Arctos records: KNWR:Ento:10092, KNWR:Ento:10093, KNWR:Ento:10094, KNWR:Ento:10095, KNWR:Ento:10096, KNWR:Ento:10097, KNWR:Ento:10098, KNWR:Ento:10099, KNWR:Ento:10100, KNWR:Ento:10101, KNWR:Ento:10102, KNWR:Ento:10103, KNWR:Ento:10104, KNWR:Ento:10105, KNWR:Ento:10106, KNWR:Ento:10107

[1] http://bins.boldsystems.org/index.php/Public_BarcodeCluster?clusteruri=BOLD:AAF4976

Family Silvanidae

Dendrophagus cygnaei

Arctos records: UAM:Ento:110488, UAM:Ento:110489, UAM:Ento:113185

Family Staphylinidae

Acidota quadrata

Eucnecosum brachypterum

Arctos records: UAM:Ento:253710

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

Chirosia similata

Biology: Larvae feed in rolled fronds of Dryopteris expansa[2].

Arctos records: KNWR:Ento:11152

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,

[2] http://arctos.database.museum/guid/KNWR:Ento:11152

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

Bolitophila 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

Protophormia terraenovae

Common names: Northern blowfly

Arctos records: KNWR:Ento:8863, UAM:Ento:256830

Family Cecidomyiidae

Asphondylia ? sp.

Taxonomic notes: The identification was based on the gall: Asphondylia sambuci galls buds of Sambucus.

Biology: Larvae were found in winter buds of Sambucus racemosa.

Arctos records: KNWR:Ento:11166

Dasineura serrulatae

Taxonomic notes: This record is based on a very tentative identification based only the host and gall type. See Gagné (1989).

Biology: Larvae were found in a winter bud gall of Alnus viridis.

Arctos records: KNWR:Ento:11164

Iteomyia salicisverruca

Arctos records: KNWR:Ento:11105

Rabdophaga rigidae

Arctos records: KNWR:Ento:11127, KNWR:Ento:11144, KNWR:Ento:11175

Rabdophaga rosaria group sp. bold:acz0652

Biology: This gall midge induce rosette galls on Salix barclayi, Salix commutata, and Salix sitchensis.

Rabdophaga rosaria group sp. bold:ada9342

Taxonomic notes: This is close to and possibly conspecific with Rabdophaga rosaria.

Biology: These flies form rosette galls on Salix fuscescens and Salix pulchra.

Rabdophaga sp. bold:ada6450

Biology: This midge forms stem galls on Salix barclayi.

Arctos records: KNWR:Ento:11126, KNWR:Ento:10341

Rabdophaga strobilina group sp. bold:ada7792

Taxonomic notes: These are similar to and possibly the same as Rabdophaga strobilina or Rabdophaga schreiteri.

Biology: These are inquilines in rosette galls made by Rabdophaga rosaria group sp. bold:acz0652.

Arctos records: KNWR:Ento:11130

Family Chironomidae

Cricotopus annulator

Cricotopus tremulus

Eukiefferiella claripennis

Eukiefferiella coerulescens

Eukiefferiella ilkleyensis

Heterotrissocladius boltoni

Hydrobaenus fusistylus

Krenosmittia halvorseni

Micropsectra nigriperla

Nanocladius spiniplenus

Orthocladius appersoni

Orthocladius curtiseta

Orthocladius frigidis

Orthocladius luteipes

Orthocladius oblidens

Orthocladius odumbratus

Orthocladius pedestais

Orthocladius rivicola

Orthocladius rivulorum

Parorthocladius nigritus

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 latiscaura

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 Ephydridae

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 bohemanni

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[3] 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 coquilletti

Arctos records: KNWR:Ento:11066

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 Rhagionidae

Symphoromyia sp. bold:aap6399

Arctos records: KNWR:Ento:2848

Family Sciaridae

Cratyna sp. bold:aah3993

BOLD records: MOBIL1239-16

Phytosciara prosciaroides

Arctos records: KNWR:Ento:11062

Family Sciomyzidae

Dictya umbroides

[3] http://boldsystems.org/index.php/Public_BarcodeCluster?clusteruri=BOLD:AAP8889

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

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[4], but this BIN was distinct from a BIN identified as Melangyna lasiophthalma[5].
Arctos records: KNWR:Ento:5175

Melanostoma mellinum

Arctos records: KNWR:Ento:2015, KNWR:Ento:2288, KNWR:Ento:4325

Neoascia 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

[4] http://bins.boldsystems.org/index.php/Public_BarcodeCluster?clusteruri=BOLD:ABX6571
[5] http://bins.boldsystems.org/index.php/Public_BarcodeCluster?clusteruri=BOLD:AAK7221

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

Rhagoletis basiola
Image(s): 5
Arctos records: KNWR:Ento:11093

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

Criomorphus inconspicuus

Synonyms: Criomorphus 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

Ligyrocoris sylvestris
Image(s): 6
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

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 leucogrammum

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

Dendrocerus laevis

Arctos records: UAM:Ento:124752

Family Platygastridae

Inostemma sp.

Image(s): 7

Arctos records: KNWR:Ento:11084

Platygaster obscuripennis

Family Pteromalidae

Dinotiscus eupterus

Arctos records: KNWR:Ento:6154

Mesopolobus verditer

Arctos records: KNWR:Ento:5268

Family Siricidae

Urocerus 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

Hoplocampa idaho

Common names: A sawfly

Arctos records: KNWR:Ento:2802, UAM:Ento:282611

Pontania sp. bold:acl3478

Image(s): 8

Distribution and trends: Members of this BOLD BIN have been collected from Churchill, Manitoba, Canada.

Biology: This sawfly makes galls on leaves of Salix barclayi.

Arctos records: KNWR:Ento:11131

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
Image(s): 9
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 albovittata
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 Hesperiidae

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 antigua

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

Sunira verberata

Common names: Battered sallow 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 sallow

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 artic

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 arcticana
Arctos records: KNWR:Ento:7433

Ancylis tineana
Arctos records: KNWR:Ento:3395

Argyrotaenia occultana
Arctos records: KNWR:Ento:4687

Clepsis moeschleriana
Arctos records: KNWR:Ento:2616

Clepsis persicana
Common names: White-triangle tortrix moth
Arctos records: KNWR:Ento:10489, KNWR:Ento:10490, KNWR:Ento:10491, KNWR:Ento:10492

Clepsis virescana

Cydia inopiosa
Arctos records: KNWR:Ento:11180

Cydia piperana
Arctos records: KNWR:Ento:6457, UAM:Ento:95347

Endothenia hebesana
Arctos records: KNWR:Ento:10861 BOLD records: MOBIL1247-16

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

Hystrichophora 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:6397, KNWR:Ento:6760

Family Liposcelididae

Liposcelis corrodens
Common names: A book louse

Family Philopteridae

Ornithobius waterstoni
Common names: A bird louse
Arctos records: KNWR:Ento:6805

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 Leptopsyllidae

Amphipsylla pollionis

Arctos records: KNWR:Ento:6396

Peromyscopsylla ostsibirica

Family Pulicidae

Euhoplopsyllus glacialis

Family Vermipsyllidae

Chaetopsylla tuberculaticeps

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

Image(s): 10

iNaturalist observations: 3672927, 3673034

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

Lymnaea atkaensis

Literature records: Reger (2017)

Radix auricularia

Taxonomic notes: A COI sequence from a a specimen collected at Stormy Lake[6] is most similar to a sequence of Radix auricularia from the Kuril Islands, suggesting that the Kenai Peninsula population may be Beringian.

Arctos records: KNWR:Ento:11102, KNWR:Ento:11200

Stagnicola elodes

Arctos records: KNWR:Ento:10865

Family Planorbidae

Gyraulus deflectus

Literature records: Reger (2017)

Menetus opercularis

Synonyms: Menetus cooperi

Literature records: Reger (2017)

Planorbella trivolvis

Synonyms: Helisoma trivolvis

Literature records: Reger (2017)

Order Heterostropha

Family Valvatidae

Valvata sincera

Literature records: Reger (2017)

Order Stylommatophora

Family Discidae

Discus whitneyi

Common names: Forest snail

Arctos records: KNWR:Ento:6114, KNWR:Ento:6809

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

[6] http://arctos.database.museum/guid/KNWR:Ento:11102

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

Chrysanthemum arcticum
Common names: Arctic daisy

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 triste
Common names: Woolly hawkweed

Packera cymbalaria
Common names: Dwarf arctic ragwort

Petasites frigidus
Common names: Arctic sweet coltsfoot

Senecio triangularis
Common names: Arrowleaf ragwort
Arctos records: KNWR:Herb:736

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
Image(s): 11
Arctos records: KNWR:Herb:10448, KNWR:Herb:10500, KNWR:Herb:573, KNWR:Herb:6337, KNWR:Herb:7169 iNaturalist observations: 4049494, 4049913

Taraxacum phymatocarpum
Common names: Northern dandelion
Arctos records: KNWR:Herb:738

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

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

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 iNaturalist observations: 1529891

Barbarea orthoceras
Common names: American yellowrocket, wintercress

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

Rorippa palustris
Common names: Bog yellowcress

Subularia aquatica
Common names: Awlwort

Thlaspi arcticum
Common names: Arctic pennycress
Arctos records: KNWR:Herb:680

Order Caryophyllales

Family Amaranthaceae

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

Dianthus repens
Common names: Boreal carnation
Arctos records: KNWR:Herb:673

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

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

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: KNWR:Herb:10404, UAM:Herb:57364 iNaturalist observations: 117218

Polygonum alpinum
Common names: Alaska wild rhubarb

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 arcticus
Common names: Arctic dock

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: Capitate 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
Image(s): 12
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 menzesia

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

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

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 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: Capitate 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
Image(s): 13
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

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 alplily

Streptopus amplexifolius
Common names: Clasping 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 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 myrtillifolia
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 langsdorfii
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 sedged

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 cottonsedge

Scirpus microcarpus
Common names: Panicled 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 mertensii
Common names: Northern bentgrass

Agrostis scabra
Common names: Rough bentgrass

Alopecurus alpinus
Common names: Alpine 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

Calamagrostis canadensis
Common names: Bluejoint, bluejoint reedgrass

Calamagrostis lapponica
Common names: Lapland reedgrass
Arctos records: KNWR:Herb:606

Calamagrostis stricta
Common names: Northern reedgrass
Arctos records: KNWR:Herb:10490

Danthonia intermedia
Common names: Timber oatgrass

Deschampsia caespitosa
Common names: Tufted hairgrass

Elymus alaskanus

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

Hierochloe 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

Phleum alpinum
Common names: Alpine timothy
Arctos records: KNWR:Herb:1452

Poa alpina
Common names: Alpine bluegrass

Poa arctica
Common names: Arctic 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

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

Papaver alboroseum
Common names: Pale poppy
Arctos records: KNWR:Herb:10350

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: Smallflowed 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
Arctos records: UAM:Herb:57346

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

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: Beauverd 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

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 crispa
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: Leptobyum 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: Largetooth 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 oreganum
Common names: Oregon eurhynchium moss

Eurhynchium pulchellum
Common names: Eurhynchium moss

Pseudoscleropodium purum
Common names: Pseudoscleropodium moss

Tomenthypnum nitens
Common names: Sickleleaf 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

Gymnomitrion corralioides

Gymnomitrion 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 asplenioides

Family Pseudolepicoleaceae

Blepharostoma trichophyllum
Common names: Blepharastoma

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 warnstorfii
Common names: Warnstorf's sphagnum

Class Tetraphidopsida

Order Tetraphidales

Family Tetraphidaceae

Tetraphis pellucida
Common names: Tetraphis 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

Umbillicaria 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
Image(s): 14
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: Eggyolk lichen

Candelariella xanthostigma
Common names: Eggyolk 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: Sulpher cup lichen

Cladonia symphycarpa
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

Scoliciosporum 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 Micareaceae

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 lanestris
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:8846, KNWR:Herb:9008

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 aphthosa
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 macilenta

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 crabeye 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

Family Rhytismataceae

Rhytisma arbuti
Image(s): 15
Biology: This is a tar spot fungus on Menziesia ferruginea (Glawe, 2016).
iNaturalist observations: 863266

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
Image(s): 16
iNaturalist observations: 3855184

Phellinus igniarius
Common names: Iqmik

Order Polyporales

Family Fomitopsidaceae

Piptoporus betulinus

Image(s): 17

iNaturalist observations: 1353794

Order Russulales

Family Hericiaceae

Hericium 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 arctostaphyli

Common names: Spruce broom rust

Chrysomyxa ledicola

Common names: Spruce needle rust

Chrysomyxa pyrolae

Synonyms: Chrysomyxa pirolata

Common names: Inland spruce cone rust

iNaturalist observations: 4471179

Family Pucciniaceae

Puccinia linkii

iNaturalist observations: 3746023

Family Pucciniastraceae

Melampsoridium 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 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 Physarales

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 Cryptodifflugiidae
Cryptodifflugia oviformis

Family Difflugina 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 tincta

Family Phryganellidae
Phyrganella acropodia

Family Trigonopyxidae
Trigonopyxis arcula

Non-native species occurring on the Kenai National Wildlife Refuge

Vertebrates

Phylum Chordata

Class Actinopterygii

Order Salmoniformes

Family Salmonidae

†Thymallus arcticus

Common names: Arctic grayling

Class Aves

Order Galliformes

Family Phasianidae

†Bonasa umbellus

Common names: Ruffed grouse

eBird checklists: S11290356, S2616871, S5428740

†Meleagris gallopavo

Common names: Wild turkey

Class Mammalia

Order Carnivora

Family Canidae

†Canis latrans

Common names: Coyote

iNaturalist observations: 14877

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.

Order Lagomorpha

Family Leporidae

†Oryctolagus cuniculus

Common names: European rabbit

Image(s): 18

iNaturalist observations: 3967164

Invertebrates

Phylum Annelida

Class Oligochaeta

Order Opistophora

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 Opiliones

Family Phalangiidae

†Phalangium opilio

Arctos records: KNWR:Ento:10649, KNWR:Ento:10788

Class Insecta

Order Coleoptera

Family Curculionidae

†Glocianus punctiger

†Otiorhynchus ovatus

Common names: Strawberry root weevil

Arctos records: KNWR:Ento:10797

Family Dermestidae

†Dermestes lardarius

Common names: Larder beetle

Family Ptinidae

†Ptinus raptor

Common names: Eastern spider beetle
Arctos records: KNWR:Ento:10792

Order Diptera

Family Calliphoridae

†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

Order Hymenoptera

Family Apidae

†Apis mellifera

Common names: European honey bee
Arctos records: KNWR:Ento:10639

Family Tenthredinidae

†Eriocampa ovata

Common names: Alder woolly sawfly

†Monsoma pulveratum

Common names: Green alder sawfly

Order Lepidoptera

Family Noctuidae

†Noctua pronuba

Common names: Large yellow underwing
Arctos records: KNWR:Ento:7355

Order Psocodoea

Family Psyllipsocidae

†Dorypteryx domestica

Image(s): 19
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

Phylum Mollusca

Class Gastropoda

Order Stylommatophora

Family Limacidae

†Deroceras reticulatum

Common names: Gray garden slug
Arctos records: KNWR:Ento:8635

Vascular Plants

Division Tracheophyta

Class Magnoliopsida

Order Asterales

Family Asteraceae

†Centaurea cyanus

Common names: Cornflower
iNaturalist observations: 4051562

†Cosmos bipinnatus

Common names: Garden cosmos
iNaturalist observations: 4051570

†Crepis tectorum

Common names: Narrowleaf hawksbeard

†Hieracium caespitosum

Common names: Meadow 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

†Senecio lugens

Common names: Small blacktip ragwort

†Senecio vulgaris

Common names: Common groundsel

†Taraxacum erythrospermum

Synonyms: Taraxacum laevigatum
Arctos records: KNWR:Herb:6664

†Taraxacum officinale

Common names: Common dandelion
Arctos records: KNWR:Herb:726 iNaturalist observations: 1583675, 1789894, 1789907, 1831920, 1831981, 1831993

†Tripleurospermum inodorum

Common names: Scentless false mayweed

Order Boraginales

Family Boraginaceae

†Cryptantha torreyana
Common names: Torrey's cryptantha

†Nemophila menziesii
Common names: Baby-blue-eyes
iNaturalist observations: 4055531

Order Brassicales

Family Brassicaceae

†Brassica rapa
Common names: Field mustard

†Capsella bursa-pastoris
Common names: Shepherd's purse

†Lepidium densiflorum
Common names: Common pepperweed

†Sinapis arvensis
Common names: Charlock mustard

†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

Family Caryophyllaceae

†Cerastium fontanum
Common names: Big chickweed

†Dianthus deltoides
Common names: Maiden pink

†Gypsophila elegans
Common names: Showy baby's-breath
iNaturalist observations: 4051613

†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 media
Common names: Common chickweed
iNaturalist observations: 1788034, 1789896

Family Polygonaceae

†Persicaria maculosa
Common names: Redshank
iNaturalist observations: 1639207

†Polygonum aviculare
Common names: Prostrate knotweed

†Rumex acetosella
Common names: Common sheep sorrel

†Rumex crispus
Common names: Curly dock
Arctos records: KNWR:Herb:6752

†Rumex longifolius
Common names: Dooryard dock
Arctos records: KNWR:Herb:6751

Order Fabales

Family Fabaceae

†Melilotus alba
Common names: White sweet clover

†Melilotus officinalis
Common names: Yellow sweetclover

†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 Lamiales

Family Lamiaceae

†Galeopsis bifida
Common names: Splitlip hempnettle

†Galeopsis tetrahit
Common names: Brittlestem hempnettle

Family Plantaginaceae

†Linaria vulgaris
Common names: Butter-n-eggs

†Plantago major
Common names: Common plantain
iNaturalist observations: 1790240, 1832158

Order Malpighiales

Family Linaceae

†Linum grandiflorum
iNaturalist observations: 4050351

Order Poales

Family Poaceae

†Agrostis capillaris
Common names: Colonial bentgrass

†Alopecurus geniculatus
Common names: Water foxtail

†Alopecurus pratensis
Common names: Meadow foxtail

†Bromus inermis
Common names: Smooth brome

†Dactylis glomerata
Common names: Orchardgrass

†Elymus repens
Common names: Quackgrass

†Elymus sibiricus
Common names: Siberian wildrye

†Lolium multiflorum
Common names: Italian ryegrass
iNaturalist observations: 1819804

†Lolium perenne
Common names: Perennial ryegrass

†Phalaris arundinacea
Common names: Reed canarygrass

†Phleum pratense
Common names: Timothy
Arctos records: KNWR:Herb:1451 iNaturalist observations: 1790250

†Poa annua
Common names: Annual bluegrass

†Poa compressa
Common names: Canada bluegrass

†Poa trivialis
Common names: Rough bluegrass

Order Ranunculales

Family Papaveraceae

†Eschscholzia californica
Common names: California poppy
iNaturalist observations: 4050237

†Papaver nudicaule
Common names: Iceland poppy
iNaturalist observations: 4050288

Order Rosales

Family Rosaceae

†Fragaria vesca
Common names: Woodland strawberry

†Fragaria X ananassa
Common names: Domestic strawberry

Class Pinopsida

Order Pinales

Family Pinaceae

†Pinus contorta
iNaturalist observations: 3672943

Species believed to be extirpated from the Kenai National Wildlife 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
Image(s): 20
Arctos records: KNWR:Herb:10495

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 palustris

Taxonomic notes: Hakala et al. (1962) recorded that they had planted Zizania aquatica var. angustifolia, but this is now considered to be a synonym of Zizania palustris. The seeds planted on the Refuge had been obtained from the wild rice population from Rice Lake National Wildlife Refuge, which Kahler et al. (2014) identified as Zizania palustris.

Distribution and trends: Zizania palustris 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.

Literature records: Hakala et al. (1962)

Order Rosales

Family Rosaceae

†Sorbaria sorbifolia

Common names: False spirea

Images

Image captions

[1]Female Catostomus catostomus from Kelly Lake. Image CC0 Dean and Rickabough (2005).

[2]Gasterosteus aculeatus at Headquarters Lake, October 15, 2015. Image CC0 Matt Bowser, http://www.inaturalist.org/observations/2138344.

[3]Oncorhynchus kisutch caught at Swanson River Landing, September 17, 2008. Image CC BY Matt Bowser, http://www.inaturalist.org/observations/4891214.

[4]Bob Richey, former assistant refuge manager at the Kenai National Wildlife Refuge, helped place neck collars on many Trumpeter swans during the 1970s and early 1980s. Image CC0 USFWS, https://www.fws.gov/uploadedImages/Region_7/NWRS/Zone_2/Kenai/Sections/What_We_Do/In_The_Community/Refuge_Notebooks/2016_Articles/2016-11-25_2.jpg.

[5]Rhagoletis basiola by Nordic Lake, August 9, 2017. Image CC0 Matt Bowser, http://arctos.database.museum/media/10562924.

[6]Ligyrocoris sylvestris feeding on Rubus chamaemorus, Headquarters Lake wetland, July 15, 2013 Image CC0 Matt Bowser, http://arctos.database.museum/media/10373139.

[7]Inostemma sp. collected south of Tustumena Lake, June 24, 2006. Image CC0 Matt Bowser, http://arctos.database.museum/media/10508672.

[8]Leaf gall caused by Pontania sp. bold:acl3478 on Salix barclayi, Soldotna, Ski Hill Road, June 27, 2016. Image CC0 Matt Bowser, http://arctos.database.museum/media/10548664.

[9]Lycia rachelae observed at Headquarters Lake on April 7, 2016. Image CC0 Matt Bowser, http://arctos.database.museum/media/10499049.

[10]Anodonta beringiana at Stormy Lake, July 12, 2016. Image CC BY Matt Bowser, http://www.inaturalist.org/observations/3672927.

[11]Taraxacum ceratophorum on shore of Skilak Lake, September 2, 2016. Image CC0 Matt Bowser, http://www.inaturalist.org/observations/4049494.

[12]Impatiens noli-tangere at Jims' Landing on August 15, 2016. Image CC BY Matt Bowser, http://www.inaturalist.org/observations/3893699.

[13]Mimulus guttatus photographed on the Fuller Lake Trail, July 13, 2014. Image CC BY-NC-ND Matt Muir, http://www.inaturalist.org/observations/799839.

[14]Lecania dubitans collected off of Skilak Loop Road by Ed Berg on June 23, 2005. Image CC0 Matt Bowser, http://arctos.database.museum/media/10419592.

[15]Rhytisma arbuti on leaf of Menziesia ferruginea, September 5, 2014. Image CC BY Matt Bowser, http://www.inaturalist.org/observations/863266.

[16]Onnia tomentosa observed near the Refuge's headquarters, August 10, 2016. Image CC BY Matt Bowser, http://www.inaturalist.org/observations/3855184.

[17]Piptoporus betulinus observed on March 31, 2015 near Headquarters Lake. Image CC BY Matt Bowser, http://www.inaturalist.org/observations/1353794.

[18]Oryctolagus cuniculus observed at the Refuge's shop area on Ski Hill Road on August 26, 2016. Image CC BY Matt Bowser, http://www.inaturalist.org/observations/3967164.

[19]Dorypteryx domestica collected at the Kenai National Wildlife Refuge headquarters building on November 25, 2016. Image CC0 Matt Bowser, http://arctos.database.museum/media/10508122.

[20]Cytisus scoparius collected on Funny River Road on August 8, 2008. Image CC0 Matt Bowser, http://arctos.database.museum/media/10508999.

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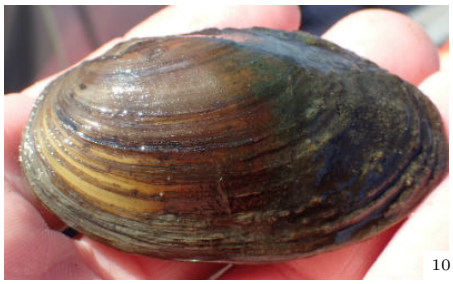
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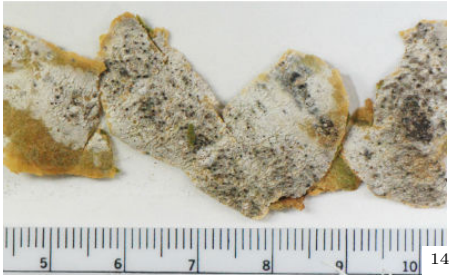

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Change log

Date	Agent	Changes
2016-12-16	M. L. Bowser	Added Inostemma sp. based on specimen record http://arctos.database.museum/guid/KNWR:Ento:11084.
2016-12-16	M. L. Bowser	Added Microbisium sp. bold:aci8632 based on specimen record http://arctos.database.museum/guid/KNWR:Ento:10324.
2016-12-19	M. L. Bowser	Added Phytosciara prosciaroides based on specimen record http://arctos.database.museum/guid/KNWR:Ento:11062.
2016-12-19	M. L. Bowser	Added Thricops coquilletti based on specimen record http://arctos.database.museum/guid/KNWR:Ento:11066.
2016-12-20	M. L. Bowser	Added Rhytisma arbuti based on observation record http://www.inaturalist.org/observations/863266.
2016-12-22	M. L. Bowser	Dropped Zizania aquatica and added Zizania palustris based on synonymy indicated by USDA NRCS (2016) and identification of the source population by Kahler et al. (2014).
2016-12-30	M. L. Bowser	Added Calamagrostis stricta based on specimen record http://arctos.database.museum/guid/KNWR:Herb:10490.
2017-01-23	M. L. Bowser	Added Asphondylia ? sp. based on specimen record http://arctos.database.museum/guid/KNWR:Ento:11166.
2017-01-23	M. L. Bowser	Added Gyraulus deflectus, Lymnaea atkaensis, Menetus opercularis, Valvata sincera, and Planorbella trivolvis based on records in Reger (2017).
2017-01-23	M. L. Bowser	Added Rabdophaga sp. bold:ada6450 based on specimen record http://arctos.database.museum/guid/KNWR:Ento:11126.
2017-01-23	M. L. Bowser	Added Rhagoletis basiola based on specimen record http://arctos.database.museum/guid/KNWR:Ento:11093.
2017-01-23	M. L. Bowser	Added Symphoromyia sp. bold:aap6399 based on specimen record http://arctos.database.museum/guid/KNWR:Ento:2848.
2017-01-23	M. L. Bowser	Changed origin of Radix auricularia from alien to native based on COI sequence data suggesting that a Kenai Peninsula specimen may be Beringian.

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Brassfield R (2016) Moss piglets? More common than you think on the Kenai. In: Refuge Notebook, vol. 18, pp. 53–54, Soldotna, Alaska: USFWS Kenai National Wildlife Refuge, URL https://www.fws.gov/uploadedFiles/Region_7/NWRS/Zone_2/Kenai/Sections/What_We_Do/In_The_Community/Refuge_Notebooks/2016_Articles/Refuge_Notebook_v18_n27.pdf.

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