

Winter
Whitehorse, the Wilderness City



**Botanical photographs in
the Hospital–Long Lake area,
Downtown’s neighbourhood forest**

November 25, 2024



In partnership with the
Downtown Residents Association
Trails Committee

A whitehorseWalks project to share a love of walking and to promote better walking opportunities in the large area behind the hospital

Pundits say walking: is good for physical health • is good for mental health, depression

- is a low intensity recreation with minimal impact on the natural environment
- builds a lifetime of skills that you can use anywhere you go • is one of life's pleasures
- is simple, free and an easy way to get more active, keep fit and become healthier
 - is positively associated with social interaction, sense of community
- is a reflection of a healthy community • in a forest, forest bathing, is a healing activity
- lends itself to exploring the outdoors and its different habitats and to see more in nature
 - is an essential habit to pass to our children • in nature is good for your brain

Walking vision for a progressive, healthy community

... promoting an interpreted wilderness city walking destination in downtown's urban forest behind the hospital — a worthy fascinating setting (see [p 20-21 map](#))

... create self-guided Hospital Healing Walks in the hills behind the hospital — respite and wellness opportunities for visitors and staff, recreation for neighbourhood residents

... build an iconic First Nation footbridge from the hospital to the VRC — reconciliation, hospital wellness, downtown pride, commercial vitality, tourism

... address climate change by less urban sprawl, less vehicle-centric focus, by having a denser downtown that's still a healthy, desirable, walkable neighbourhood to live in

... promote neighbourhood, youth stewardship, such as trail maintenance, interpretation; offset addictive kid/adult screen time with healthy outdoor opportunities in nature, a chance to reach new audiences willing to learn about aspects of nature

What I'm making...

... a collection of **self-guided hospital healing walks** including

- a 5-km loop trail around the hospital such that one is never more than about 15 minutes away from the hospital; a map and walking instructions in various languages
- a 10⁺-km downtown [feature loop](#) with great hiking as well as strong trail signage

... geography, the **glacial history** and end of the last ice age, the kettles, escarpments

... this booklet: **Botanical photographs of species** growing behind the hospital is a look around, get down on your hands and knees guide. My lofty goal is collecting a good photo of each species of plant, moss, lichen and fungus within the project area.

There are thousands of botanical species in the world; far fewer will be found in the Yukon. To make it fun, more interesting for people walking in the hospital area, this booklet just contains photos I've taken here — essentially a proof of existence.

Unfortunately this draft won't help you find species—in particular, many lichens are tiny.

I use [iNaturalist](#) to make best guesses in identification. Some species ([lichens!](#)) are difficult to identify from images alone! My photos are in iNaturalist under [yukonpete](#).

Most pictures were taken this year with my phone. This not as a draft but rather a work-in-process, a learning exploration. Blank spaces are for updates. Lists at the front and words in the footer are live links in the PDF. Zoom in on photos for close ups.

What botany lives in your local schoolyard? your yard? your greenbelt? your woods?

Abraded Camouflage Lichen 35	Common or Broad-leaved Plantain	Hawthorns	12	Pale-footed Horsehair Lichen	30
Alaska Paper Birch	9 Common Powderhorn	Highbush Cranberry	22	Small Yellow Water-Crowfoot	11
Alfalfa	15 Common Puffball	25 Honey Mushroom	25	23	Small-flower Prairie
Alkali Buttercup	11 Common Silverweed	26 Hooded Rosette Lichen	36	39	Wallflower
Alpine Sweet-vetch	15 Common Stump Brittlestem	27 Hooded Tube Lichen	37	14	Small-flowered Penstemon
Alsike Clover	16 Common Tansy	24 Hook-spur Violet	36	28	Small-leaved Pussytoes
American Milkvech	14 Common Yarrow, Milfoil	22 Horned Dandelion	24	24	Smooth Brome
Annual Hawk's-beard	23 Conifer Mazegill	22 Iceland Lichen	40	26	Smooth Horn Lichen
Arctic Blackberry	14 Copper Brittlebill	28 Iceland Lichen	40	22	Soapberry
Arctic Eyebright	19 Coral Tooth Fungus	25 Juniper Haircap Moss	30	8	Sparrow's-egg Lady's Slipper
Arctic Kidney Lichen	37 Cowpie Lichen	29 Kinnikinnick	19	6	Spiral Tasselweed
Arctic Lupine	15 Crabseye Lichens	34 Labrador Lousewort	19	38	Split-peg Lichen
Arctic Lupine	15 Creeping Juniper	32 Lambsquarters	10	36	Spreading Dogbane
Arctic Rush	7 Crested Wheatgrass	5 Lance-leaved Stonecrop	12	31	Stairstep Moss
Arrowleaf Sweet Coltsfoot	24 Crinkled Snow Lichen	6 Lapland Beard Lichen	40	10	Stalkless Cladonia
Aspen Bolete	25 Crowberry	19 Large-leaved Avens	13	31	Star Moss
Aspen Oyster Mushroom	28 Curled Snow Lichen	16 Large-leaved Cladonia	39	12	Star-flowered Solomon's Seal
Baikal Sedge	7 Cursed Crowfoot	15 Laxmann's Milkvech	15	14	Star-tipped Reindeer Lichen
Balsam Poplar	8 Cut-leaved Anemone	11 Leaf Parachute	27	9	Starburst Shadow Lichen
Barclay's Willow	8 Cutleaf Daisy	10 Leather Knotweed	9	26	Stinking Parachute
Beard Lichens	40 Death-camus	8 Lesser Rattlesnake Plantain	8	6	Stonewall Rim Lichen
Bebb's Willow	8 Destructive Pholiota	8 Lodgepole Pine	5	5	Subalpine Fir
Bighorn Lichen	38 Dirty cream ?????	27 Long-leaved Starwort	10	26	Sunshine Amanita
Bird Cherry	14 Dog Pelt Lichen	23 Quill Lichen	22	10	Tall Larkspur
Black-eye Lichen	34 Dog Vomit Slime Mould	27 Longstalk Starwort	10	8	Tea-leaved Willow
Black-eyed Rosette Lichen	37 Dwarf Birch	9 Loose-flower Milkvech	15	25	Thin-leaved Horned-
Bleeding Bonnet	25 Dwarf Dogwood, Bunchberry	18 Lowbush Cranberry	18	6	Pondweed
Blistered Cup	29 17	31 Many-flowered Leskea	31	9	Thinleaf Alder
Blue Blister Lichen	33 Elegant Sunburst Lichen	35 Many-fruited Pelt Lichen	35	39	Thorn Lichen
Blue-gray Rosette Lichen	37 Eyelash Cups	33 Map Lichens	33	7	Threadleaf Sedge
Blue-green Willow	8 Fairy-candelabra	18 Marsh Felwort	18	22	Three-petal Bedstraw
Blue-staining Slippery Jack	27 False Morel	19 Mealy Forked Cladonia	39	40	Tree Fringewort
Bluff Cinquefoil	13 Fan Pelt Lichen	29 Mealy Pixie Cup	38	8	Trembling Aspen
Bog Bilberry	18 Field Dog Lichen	35 Mealy Tooth	28	31	Trumpet Lichen
Bog Labrador Tea	18 Field Horsetail	5 member of Higher	25	38	Tufted Hair Grass
Bog Wintergreen	17 Field Locoweed	5 Ascomycetes	25	37	Tumbleweed Shield Lichen
Bog Yellowcress	12 Field Milkvech	16 member of Joint-toothed	30	22	Twinflower
Boreal Sage	23 Field and Allies, member	15 Mosses	10	30	Twisted Moss
Boreal Single-spored Map Lichen	33 Fireweed	16 Mossy Maze Polypore	28	35	Upright Coral Fungus
Bracket Polypores Family, member	29 Flatspine Stickseed	19 Mt. Albert Goldenrod	24	5	Variegated Horsetail
Branched Pepper-grass	12 Fluffy Dust Lichen	32 Narrowleaf Arnica	22	35	Veinless Pelt Lichen
Broadleaf Cattail	5 Four-parted Gentian	18 Needle-and-thread Grass	7	9	Water Birch
Bronzed Pixie Lichen	12 Foxtail	6 Nitrous Bonnet	27	7	Water Sedge
Broom Forkmoss	5 Franklin's Phacelia	19 Nodding Thread-Moss	30	27	Webcaps
Brown Cobblestone Lichen	38 Freckled Pelt Lichen	35 North Wind Bog Orchid	8	35	Western Club Coral Fungus
Brown-eyed Rim Lichen	30 Fringed Willowherb	17 Northern Bedstraw	22	9	Western Dock
Butter-and-eggs	32 Frosted Rim-Lichen	34 Northern Bedstraw	22	14	Western Rose
Cabbage Lung Lichen	34 Garden Delphinium	10 Northern Comandra	9	7	Wheat Sedge
Canadian Gooseberry	19 Glaucous Bluegrass	7 Northern Naugehyde	24	29	White Cheese Polypore
Coast Cinquefoil	35 Golden Corydalis	11 Liverwort	40	24	White Prairie Aster
Common Chickweed	12 Golden Fuzzy Fen Moss	31 Northern or Rocky Mountain Goldenrod	24	5	White Spruce
Common Cladia	13 Golden Gladi-Moss	30 Northern Red Belt	28	16	White Sweet-clover
Common Clam Lichen	34 Golden Pholiota	27 Northern Sweetgrass	6	16	White Willow Dock
Common Dandelion	24 Granular Mottled-disk Lichen	11 Northern Yellow Locoweed	16	36	Wild Blue Flax
Common Duckweed	33 33	16 Nuttall's Alkali Grass	17	9	Wild Rhubarb
Common Funnel	7 Grass-of-parnassus	12 Nuttall's Little Rose	12	12	Wild Strawberry
Common Gilled Mushrooms & Allies	27 Gray Tansy Mustard	11 Ochre Club	28	19	Williams' Milkvech
Common Gilled Mushrooms & Allies	26 Green Rock-Posy	34 One-flowered Wintergreen	17	25	Winter Russula
Common Goldspeck	32 Green Starburst Lichen	36 One-sided Wintergreen	17	29	Witch's Butta
Common Groundsel	24 Green-flowered Wintergreen	17 Opposite Stonewort	40	40	Wolf Lichen
Common Juniper	5 Green-staining Coral	33 Orange ?????	33	26	Wood Mushroom
Common Mare's Tail	17 Mushroom	33 Orange gray ?????	33	21	Wormseed Mustard
	29 Greene's Mountain Ash	14 Orange Rock Posy	34	31	Yellow Avens
	33 greenish ?????	14 Orange-peel Clematis	10	33	Yellow Fairy Cups
	39 Grey Reindeer Lichen	33 Ostrich-plume Moss	31	29	Yellow Fan
	37 Ground Frost Lichen	39 Pale Coralroot	8	31	Yellow-green Rock Moss
				19	Yukon Beardtongue
				15	Yukon Lupine

<i>Abies lasiocarpa</i>5	<i>Cetraria islandica</i> 40	<i>Empetrum nigrum</i> 16	<i>Linaria vulgaris</i> 19	<i>Physcia phaea</i> 37	<i>Russelia elegans</i> 34
<i>Acarospora fuscata</i> 32	<i>Chamaenerion</i>	<i>Entoloma vernum</i> 27	<i>Limnaea borealis americana</i>	<i>Physconia muscigena</i> 37	<i>Russula cremoricolor</i> 25
<i>Adiantum millefolium borealis</i>	<i>angustifolium</i> 16	<i>Equisetum arvense</i> 5	22	<i>Picea glauca</i> 5	<i>Russula decolorans</i> 25
22	<i>Chamaenerion ciliatum</i> . 17	<i>Equisetum arvense</i> 5	<i>Linum lewisii</i> 16	<i>Pinus contorta latifolia</i> 5	<i>Salix barclayi</i> 8
<i>Adiantum millefolium borealis</i>	<i>Chamaerhodos erecta</i>	<i>Equisetum hyemale affine</i> . 5	<i>Lobaria limita</i> 35	<i>Plantago major</i> 19	<i>Salix bebbiana</i> 8
22	<i>nuttallii</i> 12	<i>Equisetum variegatum</i> 5	<i>Lomatogonium rotatum</i> . 18	<i>Platanthera aquilonis</i> 8	<i>Salix glauca</i> 8
<i>Agaricus sylvicola</i> 26	<i>Chara contraria</i> 40	<i>Erigeron compositus</i> 23	<i>Lupinus arcticus</i> 15	<i>Pleurotus populinus</i> 28	<i>Salix planifolia</i> 8
<i>Agropyron cristatum</i> 6	<i>Chenopodium album</i> 10	<i>Eriocoma hymenoides</i> 7	<i>Lupinus arcticus</i> 15	<i>Pleurozium schreberi</i> 31	<i>Salix scouleriana</i> 19
<i>Alnus incana ssp. tenuifolia</i> 9	<i>Chenopodium berlandieri</i>	<i>Erysimum cheiranthoides</i> 11	<i>Lupinus kaschei</i> 15	<i>Poa glauca</i> 7	<i>Sanionia uncinata</i> 31
<i>Amanita aprica</i> 26	<i>zschackei</i> 10	<i>Erysimum coarctatum</i> .. 11	<i>Lycoperdon perlatum</i> 26	<i>Pohlia nutans</i> 30	<i>Sarcodon imbricatus</i> 26
<i>Amelanchier alnifolia</i> 12	<i>Cladia aggregata</i> 40	<i>Euphrasia subarctica</i> 19	<i>Lysimachia maritima</i> 18	<i>Polemonium pulcherrimum</i>	<i>Saxifraga tricuspidata</i> ... 12
<i>Androsace septentrionalis</i> 18	<i>Cladonia amaurocraea</i> . 38	<i>Eurybia sibirica</i> 23	<i>Maianthemum stellatum</i> . 8	19	<i>Scutellinia, Genus</i> 29
<i>Anemone multifida</i> 10	<i>Cladonia apodocarpa</i> ... 38	<i>Flavocetraria cucullata</i> .. 39	<i>Medicago matricarioides</i> 24	<i>Polemonium pulcherrimum</i>	<i>Sedum lanceolatum</i> 12
<i>Anemone nuttalliana</i> 10	<i>Cladonia cariosa</i> 38	<i>Flavocetraria nivalis</i> 39	<i>Medicago sativa</i> 15	19	<i>Senecio vulgaris</i> 24
<i>Antennaria rosea confinis</i> 22	<i>Cladonia chlorophaea</i> ... 38	<i>Fomitopsis mounceae</i> 28	<i>Melanelixia subaurifera</i> . 35	<i>Polygonum achoreum</i> 9	<i>Shepherdia canadensis</i> ... 16
<i>Antennaria rosea rosea</i> 22	<i>Cladonia cornuta</i> 38	<i>Fragaria virginiana glauca</i> 12	<i>Melilotus alba</i> 16	<i>Polygonum aviculare</i> 9	<i>Silene menziesii</i> 10
<i>Anthoxanthum hirtum</i> 6	<i>Cladonia crotaria</i> 38	<i>Fuligo septica</i> 29	<i>Moneses uniflora</i> 17	<i>Polytrichum juniperinum</i> 30	<i>Solidago glutinosa</i> 24
<i>Anticlia elegans</i> 8	<i>Cladonia fimbriata</i> 38	<i>Galium boreale</i> 22	<i>Mycena citrinomarginata</i> 26	<i>Populus balsamifera</i>	<i>Solidago multiradiata</i> ... 24
<i>Apocynum</i>	<i>Cladonia gracilis</i> 38	<i>Galium boreale</i> 22	<i>Mycena leptoccephala</i> . 27	<i>balsamifera</i>	<i>Sorbus aucuparia</i> 14
<i>androsaeifolium</i> 18	<i>Cladonia gracilis</i>	<i>Galium trifidum</i> 22	<i>Mycena sanguinolenta</i> . 25	<i>Populus tremuloides</i> 8	<i>Spathularia flavida</i> 29
<i>Arctostaphylos uva-ursi</i> 18	<i>ssp. turbinata</i> 38	<i>Gentianaella propinqua</i> . 18	<i>Mycobolium carnealbida</i>	<i>Porodaedalea pini</i> 28	<i>Stellaria longifolia</i> 10
<i>Arctous rubra</i> 18	<i>Cladonia macrophyllodes</i> 39	<i>Genus Ochrolechia</i> 32	33	<i>Potentilla arenosa</i> 13	<i>Stellaria longipes</i> 10
<i>Argentina anserina</i> 13	<i>Cladonia multififormis</i> ... 39	<i>Genus Rhizocarpon</i> 33	<i>Myriophyllum sibiricum</i> . 17	<i>Potentilla norvegica</i> 14	<i>Stellaria media</i> 10
<i>Armillaria mellea</i> 25	<i>Cladonia pleurota</i> 39	<i>Genus Usnea</i> 40	<i>Nephroma arcticum</i> 37	<i>Potentilla pensylvanica</i> . 14	<i>Stereum ochraceoflavum</i> 28
<i>Arnica angustifolia</i>	<i>Cladonia pocillum</i> 39	<i>Geocaulon lividum</i> 9	<i>Order Agaricales</i> 26	<i>Potentilla litoralis</i> 13	<i>Stuckenia filiformis</i> 5
<i>angustifolia</i> 22	<i>Cladonia pyxidata</i> 39	<i>Geum aleppicum strictum</i> 13	<i>Orthilia secunda</i> 17	<i>Primula incana</i> 18	<i>Stuckenia vaginata</i> 5
<i>Arnica lonchophylla</i> 22	<i>Cladonia rangiferina</i> ... 39	<i>Geum macrophyllum</i> 13	<i>Owingisia umbellifera</i> . 27	<i>Protopermatopsis muralis</i> 34	<i>Suaeda tomentosa</i> 27
<i>Artemisia borealis</i> 23	<i>Cladonia scabriuscula</i> .. 39	<i>Geophophyllum sepium</i> 8	<i>Oxytropis campestris</i> 16	<i>Prunus padus</i> 14	<i>Symphotrichum falcatum</i> 24
<i>Artemisia frigida</i> 23	<i>Cladonia stellaris</i> 39	<i>Goodyera repens</i> 8	<i>Oxytropis campestris varians</i>	<i>Psathyrella corrugis</i> 25	<i>Syntrichia</i> 30
<i>Astragalus agrestis</i> 15	<i>Cladonia uncialis</i> 39	<i>Gyromitra esculenta</i> 29	16	<i>Psathyrella piluliformis</i> . 25	<i>Syntrichia ruralis</i> 31
<i>Astragalus americanus</i> 14	<i>Cladonia, Genus</i> 38	<i>Halerpestes cymbalaria</i> . 11	<i>Oxytropis splendens</i> 16	<i>Ptilidium cilare</i> 40	<i>Tanacetum vulgare</i> 24
<i>Astragalus laxmii</i> 15	<i>Clavariadelphus ligula</i> ... 28	<i>Hedysarum alpinum</i> 15	<i>Packera indecora</i> 24	<i>Ptilidium pulcherrimum</i> . 40	<i>Taraxacum ceratophorum</i> 24
<i>Astragalus multiflorus</i> 15	<i>Clavariadelphus occidentalis</i>	<i>Hemiphysalis populnea</i> . 27	<i>Paragymnopus perforans</i> 25	<i>Ptilium crista-castrensis</i> . 31	<i>Taraxacum officinale</i> 24
<i>Astragalus williamsii</i> 15	28	<i>Herichium coralloides</i> 29	<i>Parmelia sulcata</i> 36	<i>Puccinella nuttalliana</i> 7	<i>Tephromela atra</i> 34
<i>Athalia, Genus</i> 33	<i>Clematis tangutica</i> 10	<i>Hesperostipa comata</i> 7	<i>Parmelia ambigua</i> 36	<i>Puccinella, Genus</i> 7	<i>Tetraplodon mnioides</i> 30
<i>Betula glandulosa</i> 9	<i>Complex Phaeoclavulina</i>	<i>Hippuris vulgaris</i> 17	<i>Parmassia palustris</i> 12	<i>Pycnoporellus alboluteus</i> . 29	<i>Thalloidum sedifolium</i> . 33
<i>Betula neolaskana</i> 9	<i>abietina</i> 29	<i>Hordeum jubatum</i> 6	<i>Pedicularis labradorica</i> . 19	<i>Pylaisia polyantha</i> 31	<i>Tomentypnum nitens</i> 31
<i>Betula occidentalis</i> 9	<i>Complex Tortella tortuosa</i> 30	<i>Hydneum ferrugineum</i> . 28	<i>Peltigera aphthosa</i> 35	<i>Pyrola asarifolia</i> 17	<i>Trapiopsis granulosa</i> 33
<i>Boechera grahamii</i> 11	<i>Coprinus comatus</i> 26	<i>Hylacomium splendens</i> . 31	<i>Peltigera canina</i> 35	<i>Pyrola chlorantha</i> 17	<i>Tremella mesenterica</i> 29
<i>Boechera retrofracta</i> 11	<i>Cornallorhiza trifida</i> 8	<i>Hypocenomyce scalaris</i> . 34	<i>Peltigera lepidophora</i> 35	<i>Racomitrium heterostichum</i>	<i>Trichaptum abietinum</i> .. 28
<i>Bromus inermis</i> 6	<i>Cornus canadensis</i> 17	<i>Imbrogmia physodes</i> 37	<i>Peltigera leucophlebia</i> . 35	31	<i>Trichoderma leucopus</i> 25
<i>Bryoria fuscescens</i> 40	<i>Cornus sericea</i> 17	<i>Impatiens alaurites</i> 36	<i>Peltigera malacea</i> 35	<i>Ranaria stricta</i> 29	<i>Trifolium hybridum</i> 16
<i>Bryum argenteum</i> 31	<i>Corticium roseum</i> 28	<i>Infuladulicibe gibba</i> 27	<i>Peltigera polydactylon</i> . 35	<i>Ranunculus gmelinii</i> 11	<i>Triglochin maritimum</i> 6
<i>Calamagrostis purpurascens</i>	<i>Cortinarius, Genus</i> 27	<i>Juncus arcticus</i> 7	<i>Peltigera rufescens</i> 35	<i>Ranunculus scleratus</i> 11	<i>Trifolium latifolia</i> 5
6	<i>Corydalis aurea</i> 11	<i>Juniperus communis</i> 5	<i>Peltigera venosa</i> 35	<i>Rhizocarpon grande</i> 33	<i>Tyromyces chioneus</i> 29
<i>Calamagrostis purpurascens</i>	<i>Cotoneaster lucidus</i> 12	<i>Juniperus horizontalis</i> . 5	<i>Penstemon rufo</i> 29	<i>Rhizoplaea chrysoleuca</i> . 34	<i>Usnea perplexans</i> 40
<i>purpurascens</i> 6	<i>Crataegus, Genus</i> 23	<i>Koenigia alaskana</i> 19	<i>Penstemon procerus</i> 19	<i>Rhizoplaea melanophthalma</i>	<i>Vaccinium uliginosum</i> 18
<i>Calycina citrina</i> 33	<i>Crepis tectorum</i> 12	<i>Lappula occidentalis</i> 19	<i>Penstemon gormanii</i> 19	34	<i>Vaccinium vitis-idaea minus</i>
<i>Candelariella efflorescens</i> 32	<i>Cypridatum passerinum</i> . 8	<i>Lecanora allophana</i> 34	<i>Petastis frigidus</i>	18	<i>Valeriana sitchensis</i> 22
<i>Candelariella vitellina</i> 32	<i>Dasiphora fruticosa</i> 13	<i>Lecanora caesiobubella</i> . 34	<i>var. sagittatus</i> 24	<i>Viburnum edule</i> 22	<i>Viola adunca</i> 16
<i>Capsella bursa-pastoris</i> . 11	<i>Delphinium cultorum</i> 10	<i>Lecanora leccinum</i> 25	<i>Peziza vesiculosa</i> 29	<i>Rosa acicularis</i> 14	<i>Viola woodsii</i> 14
<i>Carex aquatilis</i> 7	<i>Delphinium glaucum</i> 10	<i>Lecanora insignis</i> 25	<i>Phacelia franklinii</i> 19	<i>Rosa woodsii</i> 14	<i>Vulpicidia pinastri</i> 36
<i>Carex attherodes</i> 7	<i>Delphinium glaucum</i> 10	<i>Lecanora insignis</i> 25	<i>Phaeophyscia decolor</i> 36	<i>Rubus arcticus ssp. acutalis</i> 14	<i>Xanthocarpia feracissima</i> . 34
<i>Carex filifolia</i> 7	<i>Deschampsia cespitosa</i> . 6	<i>Lecanora insignis</i> 25	<i>Phycites petraea</i> 32	<i>Rubus idaeus</i> 27	<i>Xanthoparmelia chlorochroa</i>
<i>Carex sabulosa</i> 7	<i>Descurainia incana</i> 11	<i>Lecanora insignis</i> 25	<i>Pholida aurivella</i> 32	<i>Rumex occidentalis</i> 9	37
<i>Ceratodon purpureus</i> 30	<i>Dicranum scoparium</i> 30	<i>Lemma minor</i> 7	<i>Physcia adscendens</i> 36	<i>Rumex triangulivalvis</i> ... 10	<i>Xeromphalina caudicinalis</i> 26
<i>Cerrena unicolor</i> 28	<i>Diploschistes muscorum</i> . 34	<i>Lepidium ramosissimum</i> 12	<i>Physcia caesia</i> 37	<i>Ruppia cirrhosa</i> 6	<i>Zamichellia obtusifolia</i> ... 6
<i>Cetraria ericaria</i> 40	<i>Elymus lanceolatus</i> ssp.	<i>Lepraria finlayi</i> 32	<i>Physcia milligraena</i> 36		
	<i>psanmophilus</i> 6	<i>Letharia vulpina</i> 40			





Field Horsetail
Equisetum arvense



Field Horsetail
Equisetum arvense



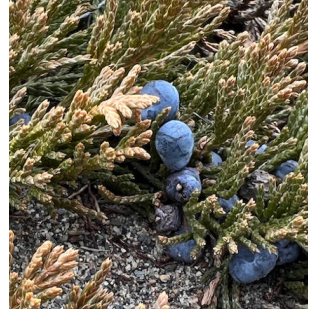
Scouring Rush
Equisetum hyemale affine



Variegated Horsetail
Equisetum variegatum



Common Juniper
Juniperus communis



Creeping Juniper
Juniperus horizontalis



Subalpine Fir
Abies lasiocarpa



White Spruce
Picea glauca



Lodgepole Pine
Pinus contorta latifolia



Broadleaf Cattail
Typha latifolia



Sender-leaved Pondweed
Stuckenia filiformis



Sheathed Pondweed
Stuckenia vaginata



Spiral Tasselweed
Ruppia cirrhosa



Thin-leaved Horned-Pondweed
Zannichellia obtusifolia



Seaside Arrow-grass
Triglochin maritimum



Crested Wheatgrass
Agropyron cristatum



Sand-dune Wheatgrass
Elymus lanceolatus ssp. *psammophilus*



Smooth Brome
Bromus inermis



Pumpelly's Brome
Calamagrostis purpurascens



Purple Reedgrass
Calamagrostis purpurascens purpurascens



Tufted Hair Grass
Deschampsia cespitosa



Northern Sweetgrass
Anthoxanthum hirtum



Foxtail
Hordeum jubatum



Sand Ricegrass
Eriocoma hymenoides



Glaucous Bluegrass
Poa glauca



Salt Grass
Puccinellia, Genus



Nuttall's Alkali Grass
Puccinellia nuttalliana



Needle-and-thread Grass
Hesperostipa comata



Water Sedge
Carex aquatilis



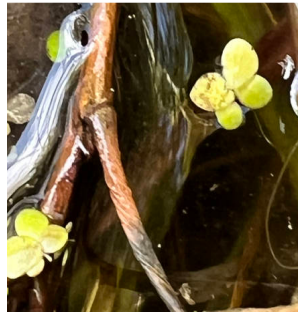
Wheat Sedge
Carex atherodes



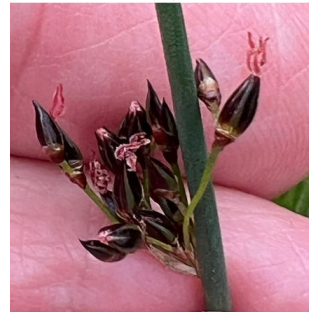
Threadleaf Sedge
Carex filifolia



Baikal Sedge
Carex sabulosa



Common Duckweed
Lemna minor



Arctic Rush
Juncus arcticus



Star-flowered Solomon's Seal
Maianthemum stellatum



Death-camus
Anticlea elegans



Pale Coralroot
Corallorhiza trifida



Sparrow's-egg Lady's Slipper
Cypripedium passerinum



Lesser Rattlesnake Plantain
Goodyera repens



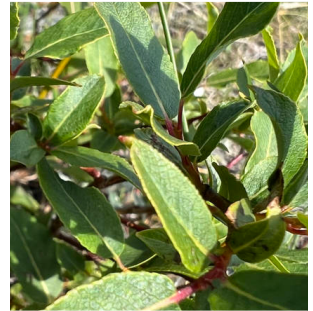
North Wind Bog Orchid
Platanthera aquilonis



Balsam Poplar
Populus balsamifera balsamifera



Trembling Aspen
Populus tremuloides



Barclay's Willow
Salix barclayi



Bebb's Willow
Salix bebbiana



Blue-green Willow
Salix glauca



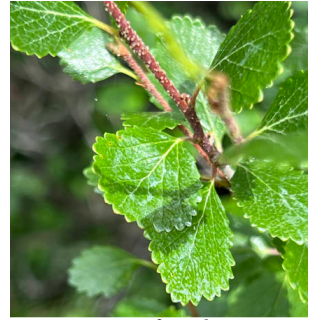
Tea-leafed Willow
Salix planifolia



Scouler's Willow
Salix scouleriana



Thinleaf Alder
Alnus incana ssp. tenuifolia



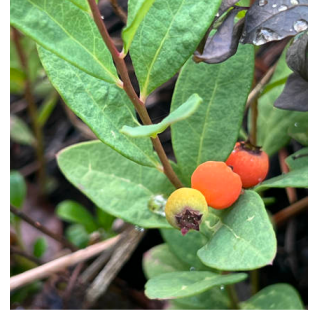
Dwarf Birch
Betula glandulosa



Alaska Paper Birch
Betula nealaskana



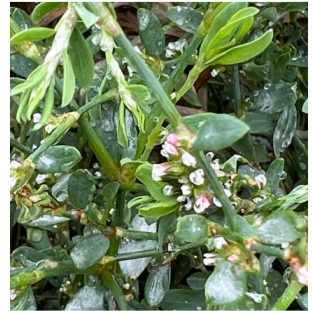
Water Birch
Betula occidentalis



Northern Comandra
Geocaulon lividum



Leathery Knotweed
Polygonum achoreum



Prostrate Knotweed
Polygonum aviculare



Wild Rhubarb
Koenigia alaskana



Western Dock
Rumex occidentalis



White Willow Dock
Rumex triangulivalvis



Lambsquarters
Chenopodium album



Pitseed Goosefoot
Chenopodium berlandieri zschackei



Menzie's Silene
Silene menziesii



Long-leaved Starwort
Stellaria longifolia



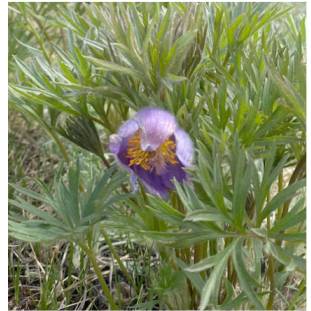
Longstalk Starwort
Stellaria longipes



Common Chickweed
Stellaria media



Cut-leaved Anemone
Anemone multifida



Prairie-crocus
Anemone nuttalliana



Orange-peel Clematis
Clematis tangutica



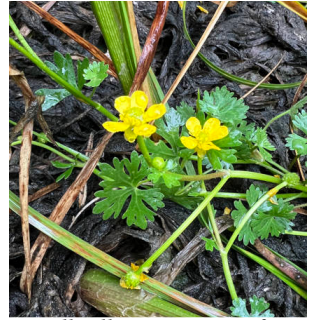
Garden Delphinium
Delphinium cultorum



Tall Larkspur
Delphinium glaucum



Alkali Buttercup
Halerpestes cymbalaria



Small Yellow Water-Crowfoot
Ranunculus gmelinii



Cursed Crowfoot
Ranunculus sceleratus



Golden Corydalis
Corydalis aurea



Graham's Rockcress
Boechera grahamii



Reflexed Rockcress
Boechera retrofracta



Shepherd's Purse
Capsella bursa-pastoris



Gray Tansy Mustard
Descurainia incana



Wormseed Mustard
Erysimum cheiranthoides



Small-flower Prairie Wallflower
Erysimum coarctatum



Branched Pepper-grass
Lepidium ramosissimum



Bog Yellowcress
Rorippa palustris



Lance-leaved Stonecrop
Sedum lanceolatum



Grass-of-parnassus
Parnassia palustris



Canadian Gooseberry
Ribes oxycanthoides



Prickly or Three-toothed Saxifrage
Saxifraga tricuspidata



Saskatoon
Amelanchier alnifolia



Nuttall's Little Rose
Chamaerhodos erecta nuttallii



Shiny Cotoneaster
Cotoneaster lucidus



Hawthorns
Crataegus, Genus



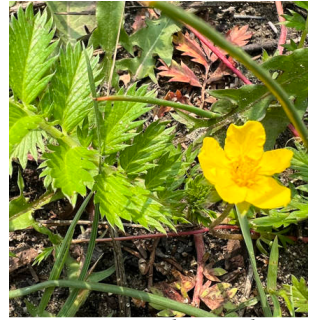
Wild Strawberry
Fragaria virginiana glauca



Yellow Avens
Geum aleppicum strictum



Large-leaved Avens
Geum macrophyllum



Common Silverweed
Argentina anserina



Shrubby Potentilla
Dasiphora fruticosa



Bluff Cinquefoil
Potentilla arenosa



Coast Cinquefoil
Potentilla litoralis



Rough Cinquefoil
Potentilla norvegica



Pennsylvania Cinquefoil
Potentilla pensylvanica



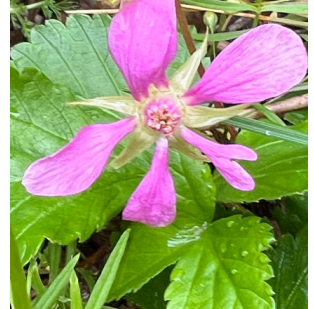
Bird Cherry
Prunus padus



Prickly Rose
Rosa acicularis



Western Rose
Rosa woodsii



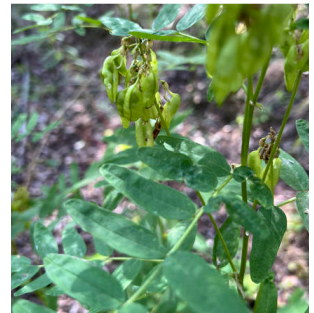
Arctic Blackberry
Rubus arcticus ssp. acaulis



Raspberry
Rubus idaeus



Greene's Mountain Ash
Sorbus scopulina



American Milkvetch
Astragalus americanus



Field Milkvetch
Astragalus agrestis



Laxmann's Milkvetch
Astragalus laxmannii



Loose-flower Milkvetch
Astragalus multiflorus



Williams' Milkvetch
Astragalus williamsii



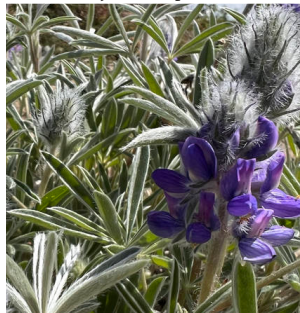
Alpine Sweet-vetch
Hedysarum alpinum



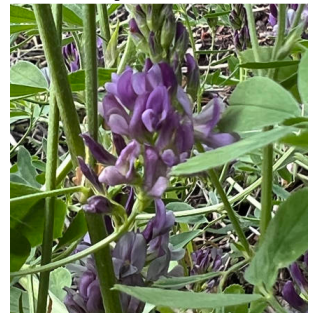
Arctic Lupine
Lupinus arcticus



Arctic Lupine
Lupinus arcticus



Yukon Lupine
Lupinus kuschei



Alfalfa
Medicago sativa



White Sweet-clover
Melilotus alba



Northern Yellow Locoweed
Oxytropis campestris varians



Field Locoweed
Oxytropis campestris



Showy Locoweed
Oxytropis splendens



Alsike Clover
Trifolium hybridum



Wild Blue Flax
Linum lewisii



Crowberry
Empetrum nigrum



Hook-spur Violet
Viola adunca



Soapberry
Shepherdia canadensis



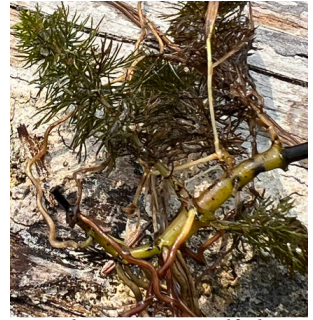
Fireweed
Chamaenerion angustifolium



Fringed Willowherb
Chamaenerion ciliatum



Common Mare's Tail
Hippuris vulgaris



Siberian Water-Milfoil
Myriophyllum sibiricum



Dwarf Dogwood, Bunchberry
Cornus canadensis



Red Osier Dogwood
Cornus sericea



One-flowered Wintergreen
Moneses uniflora



One-sided Wintergreen
Orthilia secunda



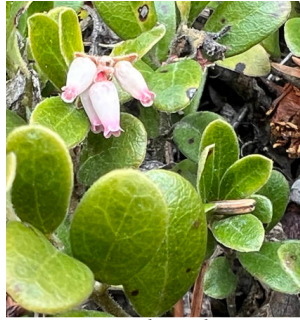
Bog Wintergreen
Pyrola asarifolia



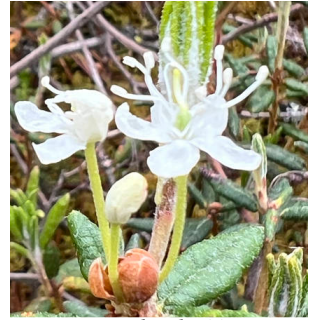
Green-flowered Wintergreen
Pyrola chlorantha



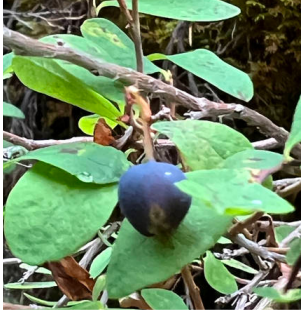
Red Bearberry
Arctous rubra



Kinnikinnick
Arctostaphylos uva-ursi



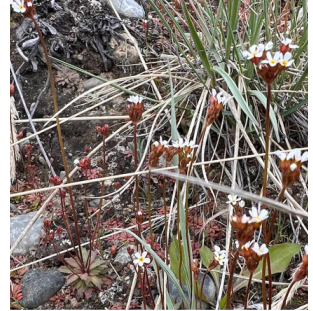
Bog Labrador Tea
Ledum groenlandicum



Bog Bilberry
Vaccinium uliginosum



Lowbush Cranberry
Vaccinium vitis-idaea minus



Fairy-candelabra
Androsace septentrionalis



Sea-milkwort
Lysimachia maritima



Silvery Primrose
Primula incana



Marsh Felwort
Lomatogonium rotatum



Four-parted Gentian
Gentianella propinqua



Spreading Dogbane
Apocynum androsaemifolium



Showy Jacob's Ladder
Polemonium pulcherrimum



Showy Jacob's Ladder
Polemonium pulcherrimum



Franklin's Phacelia
Phacelia franklinii



Flatspine Stickseed
Lappula occidentalis



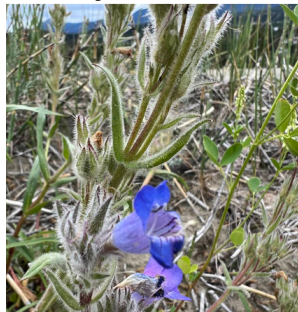
Arctic Eyebright
Euphrasia subarctica



Butter-and-eggs
Linaria vulgaris



Labrador Lousewort
Pedicularis labradorica



Yukon Beardtongue
Penstemon gormanii



Small-flowered Penstemon
Penstemon procerus



Common or Broad-leaved Plantain
Plantago major



[Seven Square Miles](#), Alan Taylor, October 16, 2018, 39 Photos in Focus, *The Atlantic*

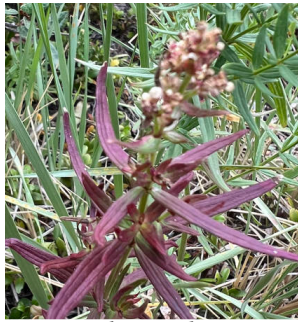
"Spending time looking at the varying and beautiful images of our planet from above in Google Earth, zooming in and out at dizzying rates, I thought it would be interesting to compare all of these vistas at a fixed scale—to see what New York City,



Venice, or the Grand Canyon would look like from the same virtual height. So, the included images are snapshots from Google Earth, all rectangles of the same size and scale, approximately three and a half miles (5.6 kilometers) wide by two miles (3.2 kilometers) tall—showing seven square miles (18.1 square kilometers, or 4,480 acres) of the surface of our planet in each view.” The above map of Downtown, Riverdale and area park shows about 12 km², 2/3 of the area of images in Alan Taylor’s article.



Northern Bedstraw
Galium boreale



Northern Bedstraw
Galium boreale



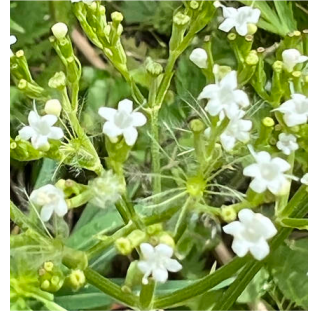
Three-petal Bedstraw
Galium trifidum



Twinflower
Linnaea borealis americana



Highbush Cranberry
Viburnum edule



Sitka Valerian
Valeriana sitchensis



Common Yarrow, Milfoil
Achillea millefolium borealis



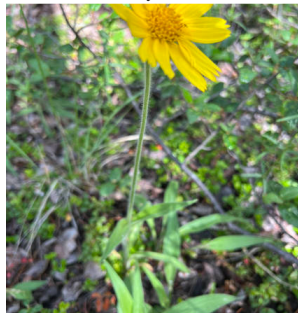
Common Yarrow, Milfoil
Achillea millefolium borealis



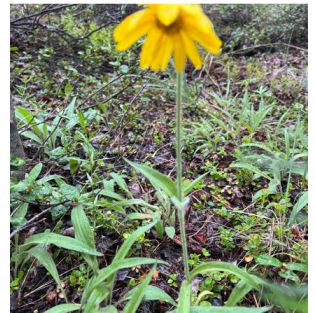
Pink Pussytoes
Antennaria rosea rosea



Small-leaved Pussytoes
Antennaria rosea confinis



Narrowleaf Arnica
Arnica angustifolia angustifolia



Longleaf Arnica
Arnica lonchophylla



Boreal Sage
Artemisia borealis



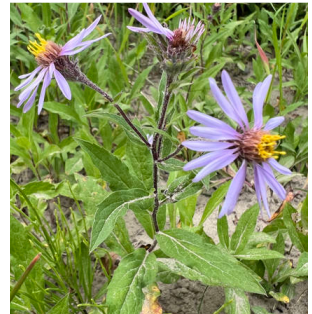
Pasture Sage, Prairie Sagewort
Artemisia frigida



Annual Hawk's-beard
Crepis tectorum



Cutleaf Daisy
Erigeron compositus



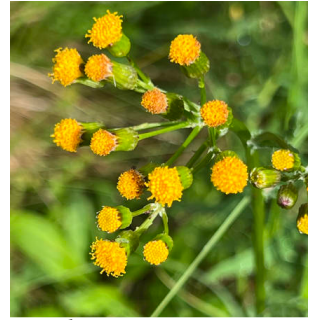
Siberian Aster
Eurybia sibirica



Pineappleweed
Matricaria matricarioides



Arrowleaf Sweet Coltsfoot
Petasites frigidus var. sagittatus



Rayless Mountain Ragwort
Packera indecora



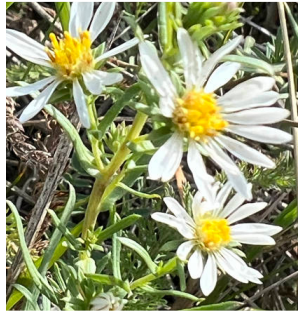
Common Groundsel
Senecio vulgaris



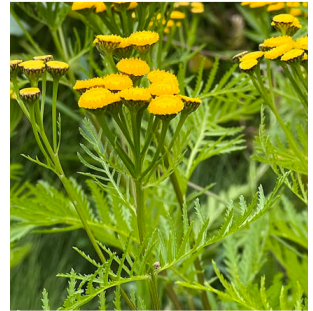
Northern or Rocky Mountain Goldenrod
Solidago multiradiata



Mt. Albert Goldenrod
Solidago glutinosa



White Prairie Aster
Symphyotrichum falcatum



Common Tansy
Tanacetum vulgare



Horned Dandelion
Taraxacum ceratophorum



Common Dandelion
Taraxacum officinale



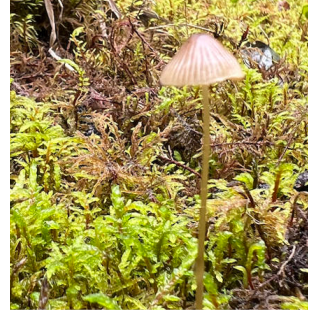
Red Edge Brittlestem
Psathyrella corrugis



Common Stump Brittlestem
Psathyrella piluliformis



Stinking Parachute
Paragymnopus perforans



Bleeding Bonnet
Mycena sanguinolenta



member of Higher Ascomycetes
Trichoderma leucopus



Aspen Bolete
Leccinum insigne



Honey Mushroom
Armillaria mellea



Winter Russula
Russula cremoricolor



Copper Brittlegill
Russula decolorans



Sunshine Amanita
Amanita aprica



Common Puffball
Lycoperdon perlatum



Shaggy Mane
Coprinus comatus



Shingled Hedgehog
Sarcodon imbricatus



Pinelitter Gingertail
Xeromphalina causticinalis



Common Gilled Mushrooms & Allies
Order Agaricales



Wood Mushroom
Agaricus sylvicola

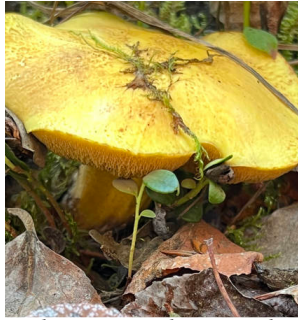


Common Gilled Mushrooms & Allies
Mycena citrinomarginata

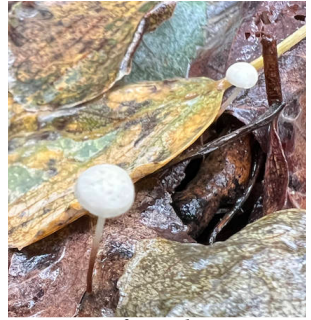




Common Gilled Mushrooms & Allies
Entoloma vernum



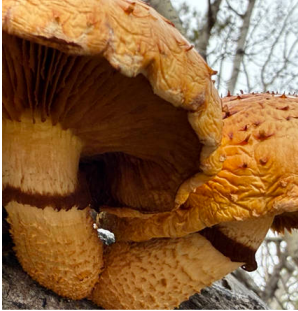
Blue-staining Slippery Jack
Suillus tomentosus



Leaf Parachute
Owingsia umbellifera



Destructive Pholiota
Hemipholiota populnea



Golden Pholiota
Pholiota aurivella



Common Funnel
Infundibulicybe gibba



Webcaps
Cortinarius, Genus



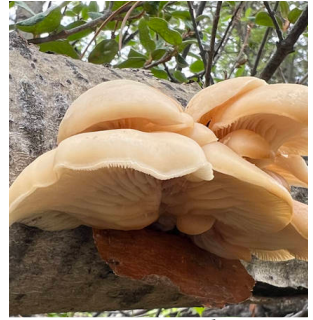
Nitrous Bonnet
Mycena leptoccephala



Pine Bracket
Porodaedalea pini



Purplepore Bracket
Trichaptum abietinum



Aspen Oyster Mushroom
Pleurotus populinus



Northern Red Belt
Fomitopsis mounceae



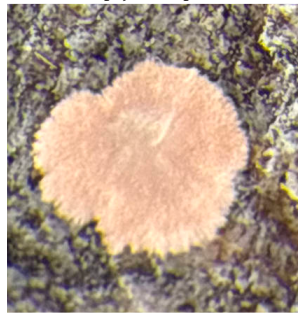
Conifer Mazegill
Gloeophyllum sepiarium



Mossy Maze Polypore
Cerrena unicolor



Stereum ochraceoflavum



Corticium roseum



Mealy Tooth
Hydnellum ferrugineum



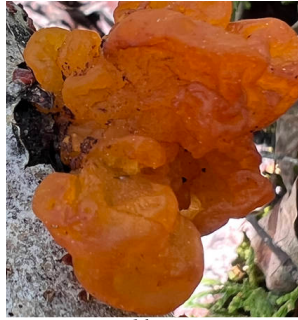
Western Club Coral Fungus
Clavariadelphus occidentalis



Ochre Club
Clavariadelphus ligula



Yellow Fan
Spathularia flavida



Witch's Butter
Tremella mesenterica



False Morel
Gyromitra esculenta



Eyelash Cups
Scutellinia, Genus



Blistered Cup
Peziza vesiculosa



Green-staining Coral Mushroom
Complex Phaeoclavulina abietina



Upright Coral Fungus
Ramaria stricta



Coral Tooth Fungus
Hericium coralloides



Red Tree Brain Fungus
Peniophora rufa



Dog Vomit Slime Mould
Fuligo septica



Bracket Polypores Family, member
Pycnoporellus alboluteus



White Cheese Polypore
Tyromyces chioneus



member of Joint-toothed Mosses
Syntrichia



Broom Forkmoss
Dicranum scoparium



Nodding Thread-Moss
Pohlia nutans



Golden Glade-Moss
Rhytidium rugosum



Slender Cruet-Moss
Tetraplodon mnioides



Juniper Haircap Moss
Polytrichum juniperinum



Redshank
Ceratodon purpureus



Twisted Moss
Complex Tortella tortuosa



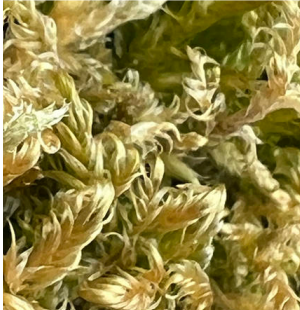
Yellow-green Rock Moss
Racomitrium heterostichum



Stairstep Moss
Hylacomium splendens



Ostrich-plume Moss
Ptilium crista-castrensis



Sickle-leaved Hook-Moss
Sanionia uncinata



Golden Fuzzy Fen Moss
Tomentypnum nitens



Red-stemmed Feather Moss
Pleurozium schreberi



Star Moss
Syntrichia ruralis



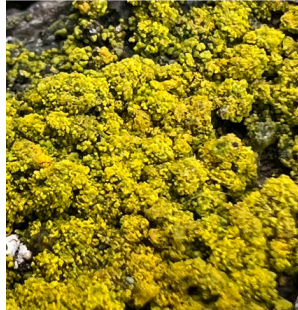
Many-flowered Leskea
Pylaisia polyantha



Silvery Bryum
Bryum argenteum



Crabseye Lichens
Genus Ochrolechia



Powdery Goldspeck
Candelariella efflorescens



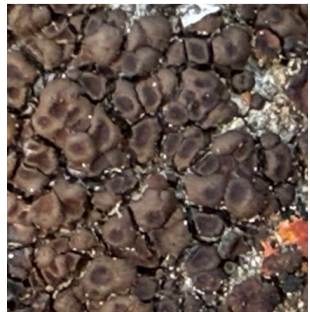
Common Goldspeck
Candelariella vitellina



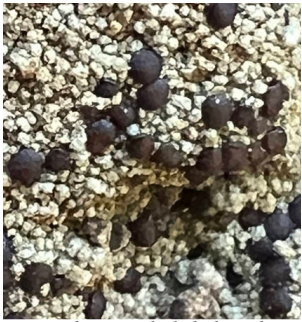
Fluffy Dust Lichen
Lepraria finkii



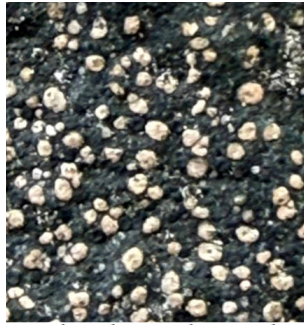
Rock Whitewash
Phlyctis petraea



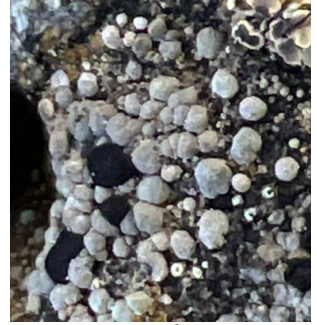
Brown Cobblestone Lichen
Acarospora fuscata



Granular Mottled-disk Lichen
Trapeliopsis granulosa



Boreal Single-spored Map Lichen
Rhizocarpon grande



Map Lichens
Genus *Rhizocarpon*



Rock Disk Lichen
Lecidella stigmatea



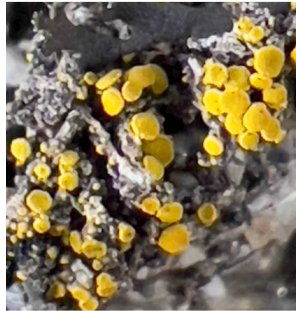
Blue Blister Lichen
Thalloidima sedifolium



Mycobilimbia carnealbida



Firedots & Allies, member
Athallia, Genus



Yellow Fairy Cups
Calycina citrina



Orange ??????



greenish ??????



Dirty cream ??????



Orange gray ??????



Sidewalk Firedot
Xanthocarpia feracissima



Elegant Sunburst Lichen
Rusavskia elegans



Stonewall Rim Lichen
Protoparmeliopsis muralis



Orange Rock Posy
Rhizoplaca chrysoleuca



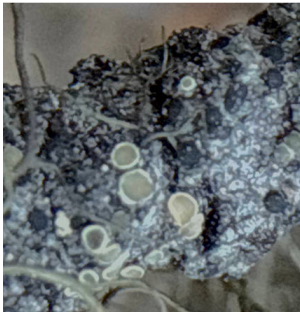
Green Rock-Posy
Rhizoplaca melanophthalma



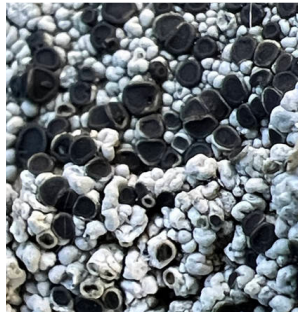
Cowpie Lichen
Diploschistes muscorum



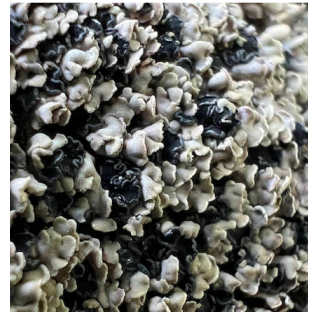
Brown-eyed Rim Lichen
Lecanora allophana



Frosted Rim-Lichen
Lecanora caesiorubella



Black-eye Lichen
Tephromela atra



Common Clam Lichen
Hypocenomyce scalaris



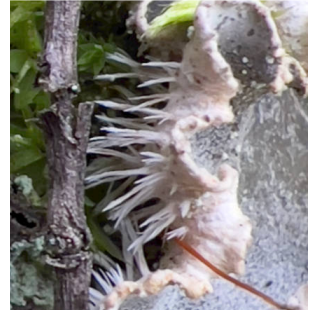
Cabbage Lung Lichen
Lobaria limita



Abraded Camouflage Lichen
Melanelixia subaurifera



Freckled Pelt Lichen
Peltigera aphthosa



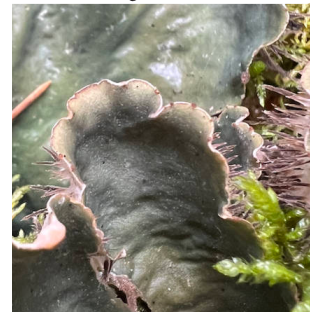
Dog Pelt Lichen
Peltigera canina



Scaly Pelt Lichen
Peltigera lepidophora



Ruffled Freckled Pelt Lichen
Peltigera leucophlebia



Veinless Pelt Lichen
Peltigera malacea



Many-fruited Pelt Lichen
Peltigera polydactylon



Field Dog Lichen
Peltigera rufescens



Fan Pelt Lichen
Peltigera venosa



Powdered Sunshine Lichen
Vulpicida pinastri



Rosette Lichen
Physcia millegrana



Salted Starburst Lichen
Imshaugia aleurites



Green Starburst Lichen
Parmeliopsis ambigua



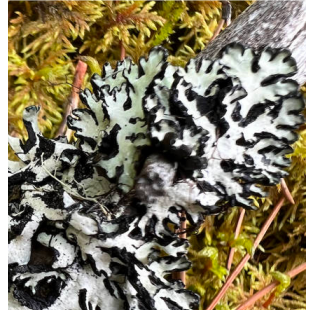
Shield Lichen
Parmelia sulcata



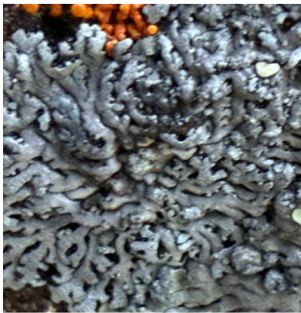
Starburst Shadow Lichen
Phaeophyscia decolor



Hooded Rosette Lichen
Physcia adscendens



Hooded Tube Lichen
Hypogymnia physodes



Blue-gray Rosette Lichen
Physcia caesia



Black-eyed Rosette Lichen
Physcia phaea



Tumbleweed Shield Lichen
Xanthoparmelia chlorochroa



Ground Frost Lichen
Physconia muscigena



Arctic Kidney Lichen
Nephroma arcticum



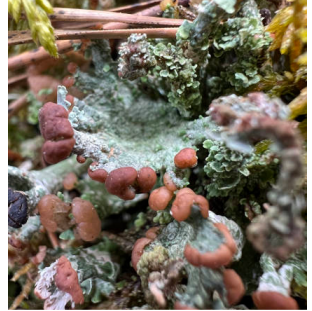
Pixie Cup and Reindeer Lichens
Cladonia, Genus



Quill Lichen
Cladonia amaurocraea



Stalkless Cladonia
Cladonia apodocarpa



Split-peg Lichen
Cladonia cariosa



Mealy Pixie Cup
Cladonia chlorophaea



Common Powderhorn
Cladonia coniocraea



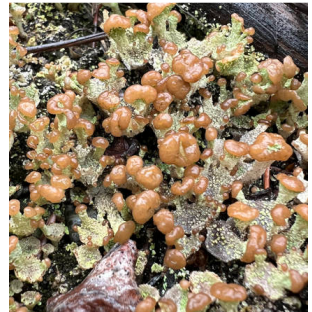
Bighorn Lichen
Cladonia cornuta



Trumpet Lichen
Cladonia fimbriata



Smooth Horn Lichen
Cladonia gracilis



Bronzed Pixie Lichen
Cladonia gracilis ssp. *turbinata*



Large-leaved Cladonia
Cladonia macrophyllodes



Sieve Lichen
Cladonia multiformis



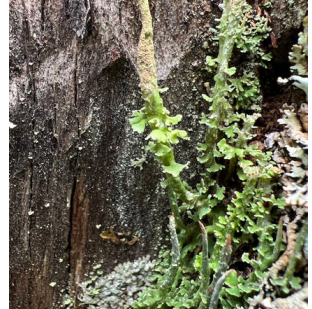
Red-fruited Pixie Cup
Cladonia pleurota



Rosette Pixie-cup Lichen
Cladonia pocillum



Pebbled Pixie Cup
Cladonia pyxidata



Mealy Forked Cladonia
Cladonia scabriuscula



Curled Snow Lichen
Flavocetraria cucullata



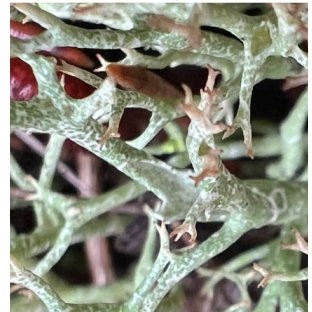
Crinkled Snow Lichen
Flavocetraria nivalis



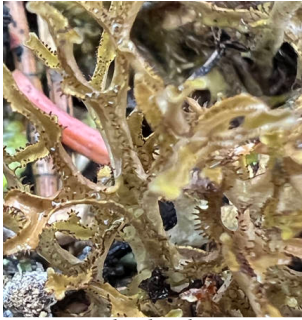
Grey Reindeer Lichen
Cladonia rangiferina



Star-tipped Reindeer Lichen
Cladonia stellaris



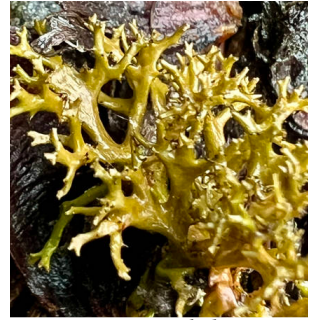
Thorn Lichen
Cladonia uncialis



Iceland Lichen
Cetraria ericetorum



Iceland Lichen
Cetraria islandica



Common Cladia
Cladia aggregata



Wolf Lichen
Letharia vulpina



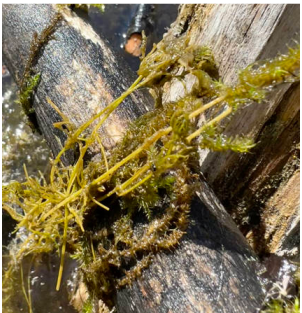
Pale-footed Horsehair Lichen
Bryoria fuscescens



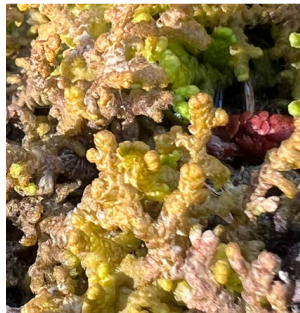
Lapland Beard Lichen
Usnea perplexans



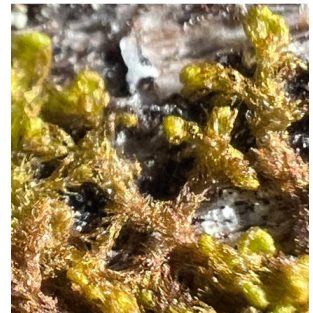
Beard Lichens
Genus Usnea



Opposite Stonewort
Chara contraria



Northern Naugehyde Liverwort
Ptilidium ciliare



Tree Fringewort
Ptilidium pulcherrimum