

Observations at Coats Marsh Gabriola Island, British Columbia

—species checklists

Before using these checklists, make sure you have the most recent posted versions. The online file is: <http://www.nickdoe.ca/pdfs/Webp679.pdf>

For the purposes of these lists, “Coats Marsh” includes ecologically integrated lands outside of the present official boundary of the RP (regional park). Specifically wetlands and trails on private land to the east of the RP, which is the lake’s eastern shore and also the catchment area of the lake; the 707 CP (community park) section of the Marsh Trail; and the southwestern corner of the 707 CP’s Canary Grass Meadow, which is the catchment area of the Stump Farm Streams.

Visits were not confined to trails or accessible clearings.

These checklists are not intended to be inventories because:

- (a) I am not a trained or even an expert amateur biologist
- (b) I did not go on searches for species that might be, or even probably are, present
- (c) it wasn’t the main purpose of most visits to compile species inventories.

Having said that, I did take many photographs, and I received expert advice on flowering plant identification from Phyllis Fafard. Gabriola checklists I used were by Keith Poulton (birds), Jane James and Phyllis Fafard ([plants](#)), and Phyllis Fafard ([woody plants](#)). Also used were the electronic atlases E-flora BC and E-fauna BC. Jeremy Tatum was particularly helpful in identifying moths and butterflies. Photographs are available in the following series of field notes; there are many more non-published photographs available on request.

<http://www.nickdoe.ca/pdfs/Webp673d.pdf>

<http://www.nickdoe.ca/pdfs/Webp673e.pdf>

<http://www.nickdoe.ca/pdfs/Webp673f.pdf>

<http://www.nickdoe.ca/pdfs/Webp673g.pdf>

<http://www.nickdoe.ca/pdfs/Webp673h.pdf>

<http://www.nickdoe.ca/pdfs/Webp673j.pdf>

<http://www.nickdoe.ca/pdfs/Webp673k.pdf>

Abundances are the results of personal observations. For example, “rare” may just mean I have only seen one, or at most two, examples of the species myself. It does not preclude the possibility that a timely search by a more experienced observer might reveal many more.

I did not attempt to capture butterflies, moths, or other insects, so many of those species remain unidentified. I also did not pick mushrooms, though many had been sufficiently damaged by deer or passers-by that I could see beneath the caps and observe the colour of any bruising. Birds were identified by sight; I never used calls or songs as the only means of identification.

In general, I did not attempt a technical examination of specimens that are unlikely to be reliably identified without one, or that are very unlikely to be unique to the marsh.

The version numbers are given a major increment each time one or more new species is added or deleted. Any other modification, a change of observational status for example, results in only a minor increment.

Abundance. For some species, a “when in season” proviso applies.

- A abundant
- AL locally abundant, may be rare or absent elsewhere
- C common
- CL locally common, may be rare or absent elsewhere
- F frequent
- FL locally frequent, may be rare or absent elsewhere
- O occasional
- OL locally occasional, absent elsewhere
- R rare

Habitat. For some species, several may apply though only the most significant is listed.

- AQ aquatic, in or on the lake
- BD buildings
- CT clearings and trails, grassy environments
- FD Douglas-fir (dry) forest
- FO open mixed forest, commonly with arbutus and shrubs
- FU forest understory, often mainly salal
- FW alder (wet) forest
- LK above the surface of, and around, the lake
- OV overflights
- RP riparian and dry-season intermittent creeks and wetlands

Observational status. Observations are mostly visual only, but the abundance of flickers, red-winged blackbirds, towhees, and tree frogs has occasionally been assessed by call or song as their voices are unmistakable. No species has been listed that has not been seen.

- A1 fully confident personal sighting with either more than 3 occurrences, or with good photographic evidence, or with familiarity with the species
- A2 very confident sighting but with less than 3 occurrences, and no good photographic evidence, and an unfamiliar species
- B1 same as A1 except that there is a less likely or very similar species that is hard to distinguish from the most probable species
- B2 same as A2 except that there is a less likely or very similar species that is hard to distinguish from the most probable species
- B3 moderately good sightings of what is most probably a hybrid
- C1 multiple other species that it might be although less likely, making only genus fairly reliable
- C2 several look-alikes, not even genus reliable
- C3 speculative identification, sighting poor and/or examination insufficiently technical
- D1 not observed personally, but reported by a very reliable source
- D2 not observed personally, but reported by a reasonably reliable but not professional source
- E1 not observed personally, but reported in the Coats Marsh RP Management Plan
- E2 not observed personally and reported only in the 707 CP Management Plan
- E3 not observed personally, reported in the Coats Marsh RP or 707 CP Management Plans but not in any other species checklist for Gabriola that I am aware of.

			TREES	List 1 Version 1.3
C	FD	A1	Grand fir	<i>Abies grandis</i>
OL	FO	A1	Bigleaf maple	<i>Acer macrophyllum</i>
AL	FW	A1	Red alder	<i>Alnus rubra</i>
F	FO	A1	Arbutus	<i>Arbutus menziesii</i>
R	FO	A1	Pacific dogwood	<i>Cornus nuttallii</i>
R	FO	A1	Common hawthorn	<i>Crataegus monogyna</i>
O	FO	A1	English holly	<i>Ilex aquifolium</i>
O	FO	A1	Bitter cherry	<i>Prunus emarginata</i>
A	FD	A1	Douglas-fir	<i>Pseudotsuga menziesii</i> ssp. <i>menziesii</i>
O	RP	A1	Pacific willow	<i>Salix lucida</i> ssp. <i>lasiandra</i>
CL	FW	A1	Western red-cedar	<i>Thuja plicata</i>
R	FO	A1	Western hemlock	<i>Tsuga heterophylla</i>
		E2	Pacific crab apple	<i>Malus fusca</i>
		E2	Shore pine	<i>Pinus contorta</i> ssp. <i>contorta</i>
		E2	Black cottonwood	<i>Populus balsamifera</i> ssp. <i>trichocarpa</i>
		E2	Trembling aspen	<i>Populus tremuloides</i>
		E2	Western yew	<i>Taxus brevifolia</i>
		E3	Paper birch	<i>Betula papyrifera</i>

SHRUBS			List 2	Version 3.1
CL	CT	A1	Scotch broom	<i>Cytisus scoparius</i>
A	FU	A1	Salal	<i>Gaultheria shallon</i>
C	CT	A1	Oceanspray	<i>Holodiscus discolor</i>
F	CT	A1	Pink honeysuckle	<i>Lonicera hispidula</i>
F	FU	A1	Tall Oregon grape	<i>Mahonia aquifolium</i>
A	FU	A1	Dull Oregon grape	<i>Mahonia nervosa</i>
F	FO	A1	Indian-plum	<i>Oemleria cerasiformis</i>
O	RP	A1	Pacific ninebark	<i>Physocarpus capitatus</i>
R	FO	A1	Gummy gooseberry	<i>Ribes lobbii</i>
O	FO	A1	Red-flowering currant	<i>Ribes sanguineum</i>
C	FO	A1	Baldhip rose	<i>Rosa gymnocarpa</i>
F	CT	A1	Nootka rose	<i>Rosa nutkana</i>
OL	CT	A1	Himalayan blackberry	<i>Rubus discolor</i>
O	FO	A1	Salmonberry	<i>Rubus spectabilis</i>
F	CT	A1	Trailing blackberry	<i>Rubus ursinus</i>
R	FO	A1	Red elderberry	<i>Sambucus racemosa</i> ssp. <i>pubens</i>
CL	RP	A1	Hardhack	<i>Spiraea douglasii</i>
O	FO	A1	Snowberry	<i>Symphoricarpus albus</i>
C	FU	A1	Evergreen huckleberry	<i>Vaccinium ovatum</i>
OL	FW	A1	Red huckleberry	<i>Vaccinium parvifolium</i>
OL	FO	A2	Scouler's willow	<i>Salix scouleriana</i>
R	RP	C1	Sitka willow	<i>Salix sitchensis</i>
		E2	Red-osier dogwood	<i>Cornus sericea</i>
		E2	Thimbleberry	<i>Rubus parviflorus</i>
		E2	Black raspberry	<i>Rubus leucodermis</i>
		E3	Vine maple	<i>Acer cincinatum</i>
		E3	Black twinberry	<i>Lonicera involucrata</i>
		E3	Sticky currant	<i>Ribes viscosissimum</i>

BIRDS				List 3	Version 13.4
A	RP	A1	Red-winged blackbird	<i>Agelaius phoeniceus</i>	
O	AQ	A1	Wood duck	<i>Aix sponsa</i>	
C	AQ	A1	American widgeon	<i>Anas americana</i>	
O	AQ	A1	Northern shoveler	<i>Anas clypeata</i>	
R	AQ	A1	Blue-winged teal	<i>Anas discors</i>	
A	AQ	A1	Mallard	<i>Anas platyrhynchos</i>	
R	AQ	A1	Gadwall	<i>Anas strepera</i>	
R	LK	A1	Golden eagle	<i>Aquila chrysaetos</i>	
F	AQ	A1	Ring-necked duck	<i>Aythya collaris</i>	
F	RP	A1	Cedar waxwing	<i>Bombycilla cedrorum</i>	
C	AQ	A1	Canada goose	<i>Branta canadensis</i>	
O	FD	A1	Great horned owl	<i>Bubo virginianus</i>	
C	AQ	A1	Bufflehead	<i>Bucephala albeola</i>	
O	AQ	A1	Common goldeneye	<i>Bucephala clangula</i>	
C	OV	A1	Turkey vulture	<i>Cathartes aura</i>	
O	FD	A1	Brown creeper	<i>Certhia americana</i>	
F	FO	A1	Northern flicker	<i>Colaptes auratus</i>	
C	FO	A1	Northwestern crow	<i>Corvus caurinus</i>	
A	FO	A1	Common raven	<i>Corvus corax</i>	
O	FO	A1	Steller's jay	<i>Cyanocitta stelleri</i>	
O	AQ	A1	Trumpeter swan	<i>Cygnus buccinator</i>	
O	FO	A1	Pileated woodpecker	<i>Dryocopus pileatus</i>	
R	FO	A1	Pacific-slope flycatcher	<i>Epidonax difficilis</i>	
R	AQ	A1	American coot	<i>Fulica americana</i>	
R	RP	A1	Common yellowthroat	<i>Geothlypis trichas</i>	
O	RP	A1	House finch	<i>Haemorhous mexicanus</i>	
O	LK	A1	Bald eagle	<i>Haliaeetus leucocephalus</i>	
O	CT	A1	Dark-eyed junco	<i>Junco hyemalis</i>	
O	AQ	A1	Hooded merganser	<i>Lophodytes cucullatus</i>	
O	CT	A1	Song sparrow	<i>Melospiza melodia</i>	
C	RP	A1	Fox sparrow	<i>Passerella iliaca</i>	
C	FO	A1	Hairy woodpecker	<i>Picoides villosus</i>	
A	FO	A1	Spotted towhee	<i>Pipilo maculatus</i>	
R	AQ	A1	Pied-billed grebe	<i>Podilymbus podiceps</i>	
O	CT	A1	Chestnut-backed chickadee	<i>Poecile rufescens</i>	
R	RP	A1	Purple martin	<i>Progne subis</i>	
O	FO	A1	Ruby-crowned kinglet	<i>Regulus calendula</i>	
O	CT	A1	Golden-crowned kinglet	<i>Regulus satrapa</i>	
FL	RP	A1	Yellow-rumped warbler	<i>Setophaga coronata</i>	Auduboni

O	RP	A1	Red-breasted nuthatch	<i>Sitta canadensis</i>	
R	FW	A1	Barred owl	<i>Strix varia</i>	
A	LK	A1	Violet-green swallow	<i>Tachycineta thalassina</i>	
O	CT	A1	Pacific wren	<i>Troglodytes pacificus</i>	
O	FO	A1	American robin	<i>Turdus migratorius</i>	
O	RP	A1	Orange-crowned warbler	<i>Vermivora celata</i>	
O	CT	A1	White-crowned sparrow	<i>Zonotrichia leucophrys</i>	
R	FO	A2	Red-tailed hawk	<i>Buteo jamaicensis</i>	
R	FO	A2	Pine siskin	<i>Carduelis pinus</i>	
R	LK	A2	Belted kingfisher	<i>Ceryle alcyon</i>	
R	RP	A2	Townsend's warbler	<i>Dendroica townsendi</i>	
O	FO	A2	Purple finch	<i>Haemorhous purpureus</i>	
R	RP	B1	Sharp-shinned hawk	<i>Accipiter striatus</i>	Cooper's ?
O	FO	B2	Cooper's hawk	<i>Accipiter cooperii</i>	Sharp-shinned?
O	CT	B2	Rufous hummingbird	<i>Selasphorus rufus</i>	Anna's hummingbird?
R	AQ	B2	Greater yellowlegs	<i>Tringa melanoleuca</i>	Lesser yellowlegs?
R	CT	B2	Golden-crowned sparrow	<i>Zonotrichia atricapilla</i>	mixed flock
F	AQ	B3	Mallard x American widgeon		
FD	C3		Evening grosbeak	<i>Coccothraustes vespertinus</i>	female green bill red legs
AQ	C3		Common merganser	<i>Mergus merganser</i>	female/eclipse?
AQ	C3		Ruddy duck	<i>Oxyura jamaicensis</i>	non-breeding plumage
LK	C3		Tree swallow	<i>Tachycineta bicolor</i>	Violet-green swallow?
	D2		Red-breasted sapsucker	<i>Sphyrapicus ruber</i>	
	E1		Varied thrush	<i>Ixoreus naevius</i>	
	E1		Downy woodpecker	<i>Picoides pubescens</i>	
	E2		American goldfinch	<i>Carduelis tristis</i>	
	E2		Yellow warbler	<i>Dendroica petechia</i>	
	E2		Band-tailed pigeon	<i>Patagioenas fasciata</i>	
	E2		Bushtit	<i>Psaltriparus minimus</i>	
	E2		Rough-winged swallow	<i>Stelgidopteryx serripennis</i>	
	E3		Black-capped chickadee	<i>Poecile atricapillus</i>	

MAMMALS List 4 Version 5.1

CL	AQ	A1	Beaver	<i>Castor canadensis</i>
C	FO	A1	Black-tailed deer	<i>Odocoileus hemionus ssp. columbianus</i>
O	CT	A1	Deer mouse	<i>Peromyscus maniculatus</i>
O	RP	A1	Raccoon	<i>Procyon lotor</i>
R	FD	A1	Red squirrel	<i>Tamiasciurus hudsonicus</i>
R	RP	A2	Townsend's vole	<i>Microtus townsendii</i>
R	BD	D2	California bat	<i>Myotis californicus</i>

REPS & AMPHIBS List 5 Version 2.1

R	CT	A1	Northwestern alligator lizard	<i>Elgaria coerulea principis</i>
C	RP	A1	Pacific tree frog	<i>Pseudacris regilla</i>
O	AQ	A1	Northern red-legged frog	<i>Rana aurora</i>
R	RP	A1	Rough-skinned newt	<i>Taricha granulosa</i>
F	CT	A1	Puget garter snake	<i>Thamnophis ordinoides</i>

WILDFLOWERS

List 6 Version 8.1

F	CT	A1	Yarrow	<i>Achillea millefolium</i>
F	FU	A1	Vanilla leaf	<i>Achlys triphylla</i>
F	FU	A1	Pathfinder	<i>Adenocaulon bicolor</i>
O	AQ	A1	Water-plantain	<i>Alisma plantago-aquatica</i>
F	CT	A1	Pearly everlasting	<i>Anaphalis margaritacea</i>
F	CT	A1	Chervil	<i>Anthriscus caucalis</i>
O	CY	A1	Common burdock	<i>Arctium minus</i>
O	RP	A1	Eaton's aster	<i>Aster eatonii</i>
AL	CT	A1	English daisy	<i>Bellis perennis</i>
A	AQ	A1	Watershield	<i>Brasenia schreberi</i>
R	CT	A1	Field mustard	<i>Brassica campestris</i>
F	FD	A1	Fairy slipper	<i>Calypto bulbosa</i>
O	CT	A1	Scouler's harebell	<i>Campanula scouleri</i>
O	RP	A1	Angled bittercress	<i>Cardamine angulata</i>
F	RP	A1	Hairy bittercress	<i>Cardamine hirsuta</i>
CL	CT	A1	Little western bittercress	<i>Cardamine oligosperma</i>
O	CT	A1	Centaury	<i>Centaurium erythraea</i>
A	CT	A1	Canada thistle	<i>Cirsium arvense</i>
CL	CT	A1	Bull thistle	<i>Cirsium vulgare</i>
F	CT	A1	Miner's lettuce	<i>Claytonia perfoliata</i>
C	FO	A1	Siberian candyflower	<i>Claytonia siberica</i>
O	FU	A1	Spotted coralroot	<i>Corallorhiza maculata ssp. maculata</i>
A	CT	A1	Smooth hawksbeard	<i>Crepis capillaris</i>
C	CT	A1	Queen Anne's lace	<i>Daucus carota</i>
O	CT	A1	Deptford pink	<i>Dianthus ameria</i>
F	CT	A1	Foxglove	<i>Digitalis purpurea</i>
C	CT	A1	Whitlow grass	<i>Draba verna</i>
O	CT	A1	Eastern eyebright	<i>Euphrasia nemorosa</i>
O	CT	A1	Common cudweed	<i>Filago vulgaris</i>
F	CT	A1	Wild strawberry	<i>Fragaria virginiana</i>
F	CT	A1	Sweet-scented bedstraw	<i>Galium triflorum</i>
C	CT	A1	Dovesfoot cranesbill	<i>Geranium molle</i>
O	CT	A1	Herb Robert	<i>Geranium robertianum</i>
O	CT	A1	Purple cudweed	<i>Gnaphalium purpureum</i>
R	FU	A1	Rattlesnake plantain	<i>Goodyera oblongifolia</i>
F	CT	A1	St. John's wort	<i>Hypericum perforatum</i>
AL	CT	A1	Smooth cats ear	<i>Hypochaeris glabra</i>
A	CT	A1	Hairy cats ear	<i>Hypochaeris radicata</i>
F	FU	A1	Nipplewort	<i>Lapsana communis</i>

F	CT	A1	Hairy hawkbit	<i>Leontodon taraxacoides</i>
R	CT	A1	Shasta daisy	<i>Leucanthemum superbum</i>
A	CT	A1	Oxeye daisy	<i>Leucanthemum vulgare</i>
O	CT	A1	Bicolored flaxflower	<i>Linanthus bicolor</i>
O	CT	A1	Twinflower	<i>Linnaea borealis</i>
F	CT	A1	Clustered tarweed	<i>Madia glomerata</i>
F	CT	A1	Woodland tarweed	<i>Madia madioides</i>
O	CT	A1	Chilean tarweed	<i>Madia sativa</i>
R	CT	A1	Pineapple weed	<i>Matricaria discoidea</i>
A	CT	A1	Black medic	<i>Medicago lupulina</i>
F	RP	A1	Monkey flower	<i>Mimulus guttatus</i>
F	CT	A1	Wall lettuce	<i>Mycelis muralis</i>
CL	CT	A1	Common forget-me-not	<i>Myosotis discolor</i>
F	RP	A1	Small flower forget-me-not	<i>Myosotis laxa</i>
O	CT	A1	Skunkweed	<i>Navarretia squarrosa</i>
O	CT	A1	Small-flowered nemophila	<i>Nemophila parviflora</i>
CL	AQ	A1	Yellow pond lily	<i>Nuphar polysepalum</i>
R	CT	A1	Marjoram	<i>Origanum vulgare</i>
O	CT	A1	Yellow bartsia	<i>Parentucellia viscosa</i>
F	CT	A1	English plantain	<i>Plantago lanceolata</i>
C	CT	A1	Self heal	<i>Prunella vulgaris</i>
CL	CT	A1	Western buttercup	<i>Ranunculus occidentalis</i>
CL	RP	A1	Little buttercup	<i>Ranunculus uncinatus</i>
CL	CT	A1	Sheep sorrel	<i>Rumex acetosella</i>
R	CT	A1	Winter savory	<i>Satureja montana</i>
C	CT	A1	Tansy ragwort	<i>Senecio jacobaea</i>
CL	FU	A1	Wood groundsel	<i>Senecio sylvaticus</i>
O	CT	A1	Blue field madder	<i>Sherardia arvensis</i>
O	RP	A1	Goldenrod	<i>Solidago canadensis</i>
O	CT	A1	Ladies tresses	<i>Spiranthes romanzoffiana</i>
O	RP	A1	Starwort	<i>Stellaria borealis</i>
F	CT	A1	Chickweed	<i>Stellaria media</i>
O	CT	A1	Common tansy	<i>Tanacetum vulgare</i>
AL	CT	A1	Common dandelion	<i>Taraxacum officinale</i>
O	FD	A1	Foamflower	<i>Tiarella trifoliata</i> ssp. <i>unifoliata</i>
O	CT	A1	Hedge parsley	<i>Torilis arvensis</i>
O	FU	A1	Broad-leaved starflower	<i>Trientalis latifolia</i>
C	CT	A1	White clover	<i>Trifolium repens</i>
C	FU	A1	Stinging nettle	<i>Urtica dioica</i>
F	AQ	A1	Greater bladderwort	<i>Utricularia vulgaris</i>
O	AQ	A1	Marsh speedwell	<i>Veronica scutellata</i>
O	CT	A1	Tufted vetch	<i>Vicia cracca</i>
F	CT	A1	Common vetch	<i>Vicia sativa</i>

F	FO	A1	Early blue violet	<i>Viola adunca</i>	
O	FU	A1	Stream violet	<i>Viola glabella</i>	
O	RP	A1	Marsh violet	<i>Viola palustris</i>	
O	CT	A1	Evergreen violet	<i>Viola sempervirens</i>	
O	CT	B1	Common groundsel	<i>Senecio vulgaris</i>	Wood groundsel?
R	FU	B2	Blue-eyed Mary	<i>Collinsia parviflora</i>	grandiflora?
R	CT	B2	Blue-eyed grass	<i>Sisyrinchium idahoense</i> var. <i>macounii</i>	<i>S. spp.?</i>
F	CT	C2	Daffodil	<i>Narcissus</i> sp.	
		E1	Mullein	<i>Verbascum thapsus</i>	
		E2	Bindweed	<i>Convolvulus arvensis</i>	
		E2	Bleeding heart	<i>Dicentra formosa</i>	
		E2	Cleavers	<i>Galium aparine</i>	
		E2	Three-petalled bedstraw	<i>Galium trifidum</i>	
		E2	Tiger lily	<i>Lilium columbianum</i>	
		E2	Spring gold	<i>Lomatium utriculatum</i>	
		E2	Skunk cabbage	<i>Lysichiton americanum</i>	
		E2	Field mint	<i>Mentha arvensis</i>	
		E2	Water parsley	<i>Oenanthe sarmentosa</i>	
		E2	Yerba buena	<i>Satureja douglasii</i>	
		E3	Yampah	<i>Periderida gairdneri</i>	
		E3	Cooley's hedge nettle	<i>Stachys cooleyae</i>	
		E3	False bugbane	<i>Tratvetteria caroliniensis</i>	

DRAGON/DAMSELFLIES List 7 Version 4.1

F	RP	A1	Canada darner	<i>Aeshna canadensis</i>	
C	RP	A1	Blue-eyed darner	<i>Aeshna multicolor</i>	
O	RP	A1	Green darner	<i>Anax junius</i>	
A	RP	A1	Tule bluet	<i>Enallagma carunculatum</i>	
C	RP	A1	Western pondhawk	<i>Erythemis collacata</i>	
A	RP	A1	Pacific forktail	<i>Ischnura cervula</i>	
O	RP	A1	Eight-spotted skimmer	<i>Libellula forensis</i>	
F	RP	A1	Four-spotted skimmer	<i>Libellula quadrimaculata</i>	
F	RP	A1	Blue dasher	<i>Pachydiplax longipennis</i>	
F	RP	A1	White-faced meadowhawk	<i>Sympetrum obtrusum</i>	
F	RP	A1	Western meadowhawk	<i>Sympetrum occidentale</i>	
F	RP	B1	White-tail skimmer	<i>Libellula lydia</i>	L. forensis?

BUTTERFLY/MOTH List 8 Version 6.1

R	CT	A1	Polyphemus moth	<i>Antheraea polyphemus</i>	
CL	FD	A1	Spring azure	<i>Celastrina ladon</i>	
C	CT	A1	Common wood nymph	<i>Cercyonis pegala</i>	
R	CT	A1	Ceanothus silk moth	<i>Hyalophora euryalus</i>	
O	CT	A1	Lorquin's admiral	<i>Limenitis lorquini ssp. ilgae</i>	
CL	FD	A1	Half-white carpet moth	<i>Mesoleuca gratulata</i>	
O	CT	A1	Mylitta crescentspot	<i>Phyciodes mylitta</i>	
C	CT	A1	Pale glyph moth	<i>Protodeltote albidula</i>	
F	CT	A1	Western tiger swallowtail	<i>Pterourus rutulus</i>	
F	CT	A1	Essex skipper	<i>Thymelicus lineola</i>	
F	CT	A1	Cinnabar moth	<i>Tyria jacobaea</i>	
F	CT	A1	Red admiral	<i>Vanessa atalanta</i>	
F	CT	B1	Dark wood nymph	<i>Cercyonis oetus</i>	
O	CT	C3	Pale tiger swallowtail	<i>Pterourus eurymedon</i>	

		GRASSES	List 9 Version 2.1		
AL	RP	A1	Reed canary grass	Phalaris arundunacea	
		C1	Perennial ryegrass	Lolium perenne	L. sp.?
		C1	Colonial bentgrass	Agrostis capillaris	A. stolonifera?
		E2	Creeping bentgrass	Agrostis stolonifera	
		E2	Little hairgrass	Aira praecox	
		E2	Sweet vernal grass	Anthoxanthum oderatum	
		E2	Tall oat grass	Arrhenatherum elatius	
		E2	Smooth brome	Bromus inermis	
		E2	Bluejoint	Calamagrostis canadensis	
		E2	Hedgehog dogtail	Cynosurus echinatus	
		E2	Cock's foot grass	Dactylis glomerata	
		E2	Blue wildrye	Elymus glaucus	
		E2	Common velvet grass	Holcus lanatus	
		E2	Alaska oniongrass	Melica subulata	
		E2	Timothy	Phleum pratense	
		E2	Annual bluegrass	Poa annua	
		E2	Kentucky bluegrass	Poa pratensis	
		E3	Redtop	Agrostis gigantea	
		E3	Annual vernal grass	Anthoxanthum aristatum	
		E3	Small quaking grass	Briza minor	
		E3	Cheatgrass	Bromus tectorum	
		E3	Quackgrass	Elymus repens	
		E3	Red fescue	Festuca rubra	
		E3	Sheep fescue	Festuca trachphylla	
		E3	Idaho fescue	Fesuca idahoensis	
		E3	Canada bluegrass	Poa compressa	

MUSHROOMS			List 10	Version 12.1	
O	CT	A1	Orange peel	Aleuria aurantia	
O	CT	A1	Fly agaric	Amanita muscaria	
F	CT	A1	Panther amanita	Amanita pantherina	
R	CT	A1	Steinpilz	Boletus edulis	
O	FD	A1	Coral fungus	Clavaria cristata	
R	FD	A1	Purple club coral	Clavaria purpurea	
F	CT	A1	Tigers eye	Coltricia perennis	
F	FW	A1	Rainbow bracket fungus	Coriolus versicolor	
C	FD	A1	Bracket fungus	Ganoderma applanatum	
R	CT	A1	False morel	Gyromitra esculenta	
AL	FD	A1		Inocybe geophylla	white
CL	FD	A1		Inocybe geophylla	var. lilacina
O	CT	A1	Gemmed puffball	Lycoperdon perlatum	
O	CT	A1	Pear-shaped puffball	Lycoperdon pyriforme	
F	FD	A1	Horsehair mushroom	Marasmius androsaceus	
C	CT	A1	Fairy ring mushroom	Marasmius oreades	
O	FD	A1	Indian pipe	Monotropa uniflora	
R	CT	A1		Nolanea hirtipes	
O	FD	A1	Umbrella-like Omphalina	Omphalina ericetorum	
O	FW	A1	Angel wings	Pleurocybella porrigens	
O	FD	A1		Pseudohydnum gelatinosum	
O	CT	A1	Gypsy mushroom	Rozites caperata	
F	FO	A1		Russula xerampelina	
O	FD	A1		Suillus caeruleus	
F	CT	A1		Suillus lakei	
R	CT	A2	Yellow chanterelle	Cantharellus cibarius	
R	CT	A2	White chanterelle	Cantharellus subalbidus	
O	FO	A2	Amethyst laccaria	Laccaria amethysteo-occidentalis	
O	FO	A2	Waxy laccaria	Laccaria laccata	
O	FO	B2	Rough pholiota	Pholiota squarrosa	P. squarrosoides?
		C1		Agaricus sp.	A.arvensis, campestris?
		C1		Collybia acervata?	yellow, hollow stem

MISC PLANTS

List 11 Version 2.2

FL	RP	A1	Lady fern	<i>Athyrium filix-femina</i>
F	FW	A1	Deer fern	<i>Blechnum spicant</i>
F	AQ	A1	Inflated sedge	<i>Carex exsiccata</i>
A	AQ	A1	Slough sedge	<i>Carex obnupta</i>
O	RP	A1	Common horsetail	<i>Equisetum arvense</i>
R	RP	A1	Marsh horsetail	<i>Equisetum palustre</i>
A	RP	A1	Common rush	<i>Juncus effusus</i>
A	FD	A1	Sword fern	<i>Polystichum munitum</i>
C	FO	A1	Bracken	<i>Pteridium aquilinum</i>
C	RP	A1	Tule	<i>Scirpus lacustris</i>
O	AQ	A1	Narrow-leaved bur-reed	<i>Sparganium angustifolium</i>
F	AQ	A1	Bulrush	<i>Typha latifolia</i>
	E2		Scouring rush	<i>Equisetum hyemale</i>
	E2		Licorice fern	<i>Polypodium glycyrrhiza</i>

MOSS List 12 Version 2.1

C	FD	A1	Oregon beaked moss	Kindbergia oregana	
AL	FU	A1	Awnead haircap moss	Polytrichum piliferum	
CL	RP	C1	Tree moss	Climacium dendroides	Leucolepis acanthoneuron?
F	FD	C1	Copperwire moss	Pohlia nutans	
		E2	Red roof moss	Ceratodon purpureus	
		E2	Rough moss	Claopodium crispifolium	
		E2	Yellow moss	Homalothecium fulgescens	
		E2	Step moss	Hyocomium splendens	
		E2	Tree moss	Leucolepis acanthoneuron	
		E2	Swamp moss	Philonotis fontana	
		E2	Badge moss	Plagonium insigne	
		E2	Juniper haircap moss	Polytrichum juniperinum	
		E2	Lanky moss	Rhytidiadelphus loreus	
		E2	Goose-necked moss	Rhytidiadelphus triquetrus	
		E2	Hairy screw moss	Tortula ruralis	

LICHEN List 13 Version 2.1

F	FO	A1	Lipstick cladonia	Cladonia macilenta	
A	FO	A1	Antlered perfume	Evernia prunastri	
C	FD	A1	Lungwort	Lobaria pulmonaria	
F	CT	A1	Frog pelt	Peltigera neopolydactyla	
A	FW	A1	Bark barnacle	Thelotrema lepadinum	
O	CT	C1	Pixie-cup	Cladonia sp.	
C	FD	C1	Old man's beard	Usnea sp.	

MISC. INSECTS

List 14 Version 3.1

F	FD	A1	Wood ant	<i>Formica obscuripes</i>
F	AQ	A1	Water strider	<i>Limnoporus notabilis</i>
F	CT	A1	Pallid-winged grasshopper	<i>Trimerotropis pallidipennis</i>
R	CT	B2	Migratory grasshopper	<i>Melanoplus sanguinipes?</i>
F	CT	C1	Carpenter ant	<i>Camponotus</i> sp.
F	AQ	C1	Whirligig beetle	<i>Gyrinus</i> sp.
F	AQ	C1	Water boatman	<i>Hesperocorixa</i> sp.

OTHERS

List 15 Version 1.2

C	CT	A1	Banana slug	<i>Ariolimax columbianus</i>
C	CT	A1	Black slug	<i>Arion ater</i>

SWANS, GEESE, DUCKS List 16 Version 3.3

Wood duck	<i>Aix sponsa</i>	
American widgeon	<i>Anas americana</i>	
Northern shoveler	<i>Anas clypeata</i>	
Blue-winged teal	<i>Anas discors</i>	Breeding pair
Mallard	<i>Anas platyrhynchos</i>	Breeding pair
Gadwall	<i>Anas strepera</i>	
Ring-necked duck	<i>Aythya collaris</i>	
Canada goose	<i>Branta canadensis</i>	
Bufflehead	<i>Bucephala albeola</i>	
Common goldeneye	<i>Bucephala clangula</i>	
Trumpeter swan	<i>Cygnus buccinator</i>	
American coot	<i>Fulica americana</i>	
Hooded merganser	<i>Lophodytes cucullatus</i>	Breeding pair
Ruddy duck	<i>Oxyura jamaicensis</i>	non-breeding plumage?
Pied-billed grebe	<i>Podilymbus podiceps</i>	Breeding pair?

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