



Photo 91: BL-WL-083 Upland wetland delineation plot (IMG_6985.JPEG)



Photo 92: BL-WL-084 Representative wetland habitat (IMG_7118.JPEG)



Photo 93: BL-WL-086 Wetland delineation plot (IMG_6990.JPEG)



Photo 94: BL-WL-086 Upland wetland delineation plot (IMG_6993.JPEG)



Photo 95: BL-WL-087 Representative wetland habitat (IMG_3773.JPEG)



Photo 96: BL-WL-089 Wetland delineation plot (IMG_9491.JPEG)



Photo 97: BL-WL-089 Upland wetland delineation plot (IMG_9485.JPEG)

APPENDIX F

Vegetation Inventories

- F1 Vascular Plant Species Inventory
- F2 Non-vascular Species Inventory (Incidental)

Table F-1. Vascular Plant Species Detected by CBCL Within the Bear Lake Study Area Between September and December 2022

Family	Flora Scientific Name	Species	COSEWIC	SARA	NS ESA	NS S-Rank
Adoxaceae	<i>Sambucus racemosa</i>	Red Elderberry	-	-	-	S5
	<i>Viburnum cassinoides</i>	Northern Wild Raisin	-	-	-	S5
	<i>Viburnum lantanoides</i>	Hobblebush	-	-	-	S4
Amaranthaceae	<i>Chenopodium album</i>	Common Lamb's Quarters	-	-	-	SNA
Apiaceae	<i>Daucus carota</i>	Queen Anne's Lace	-	-	-	SNA
Apocynaceae	<i>Apocynum androsaemifolium</i>	Spreading Dogbane	-	-	-	S5
Aquifoliaceae	<i>Ilex mucronata</i>	Mountain Holly	-	-	-	S5
	<i>Ilex verticillata</i>	Common Winterberry	-	-	-	S5
Araliaceae	<i>Aralia hispida</i>	Bristly Sarsaparilla	-	-	-	S5
	<i>Aralia nudicaulis</i>	Wild Sarsaparilla	-	-	-	S5
Asparagaceae	<i>Maianthemum canadense</i>	Wild Lily-of-The-Valley	-	-	-	S5
	<i>Maianthemum trifolium</i>	Three-leaved False Solomon's Seal	-	-	-	S5
Asteraceae	<i>Achillea millefolium</i>	Common Yarrow	-	-	-	SNA
	<i>Anaphalis margaritacea</i>	Pearly Everlasting	-	-	-	S5
	<i>Antennaria howellii</i>	Howell's Pussytoes	-	-	-	S4
	<i>Centaurea benedicta</i>	Blessed Thistle	-	-	-	SNA
	<i>Centaurea nigra</i>	Black Knapweed	-	-	-	SNA
	<i>Coreopsis lanceolata</i>	Lance-leaved Tickseed	-	-	-	SNA
	<i>Dittrichia graveolens</i>	Stinkwort	-	-	-	SNA
	<i>Doellingeria umbellata</i>	Hairy Flat-top White Aster	-	-	-	S5
	<i>Erechtites hieraciifolius</i>	Eastern Burnweed	-	-	-	S5
	<i>Erigeron annuus</i>	Annual Fleabane	-	-	-	S4S5
	<i>Eupatorium perfoliatum</i>	Common Boneset	-	-	-	S5
	<i>Euthamia graminifolia</i>	Grass-leaved Goldenrod	-	-	-	S5
	<i>Gnaphalium uliginosum</i>	Marsh Cudweed	-	-	-	SNA
	<i>Hieracium lachenalii</i>	Common Hawkweed	-	-	-	SNA
	<i>Hieracium murorum</i>	Wall Hawkweed	-	-	-	SNA
	<i>Lactuca biennis</i>	Tall Blue Lettuce	-	-	-	S5
	<i>Leucanthemum vulgare</i>	Oxeye Daisy	-	-	-	SNA
	<i>Matricaria discoidea</i>	Pineapple Weed	-	-	-	SNA
	<i>Nabalus altissimus</i>	Tall Rattlesnakeroot	-	-	-	S5
	<i>Nabalus trifoliolatus</i>	Three-leaved Rattlesnakeroot	-	-	-	S5
	<i>Oclemena acuminata</i>	Whorled Wood Aster	-	-	-	S5
	<i>Oclemena nemoralis</i>	Bog Aster	-	-	-	S5
	<i>Oclemena x blakei</i>	a hybrid White Panicked American Aster	-	-	-	S5
	<i>Pilosella officinarum</i>	Mouse-ear Hawkweed	-	-	-	SNA
	<i>Pilosella piloselloides</i>	Tall Hawkweed	-	-	-	SNA
	<i>Scorzonerooides autumnalis</i>	Autumn Hawkbit	-	-	-	SNA
	<i>Solidago bicolor</i>	White Goldenrod	-	-	-	S5
	<i>Solidago canadensis</i>	Canada Goldenrod	-	-	-	S4S5
	<i>Solidago nemoralis</i>	Gray-stemmed Goldenrod	-	-	-	S4S5
	<i>Solidago puberula</i>	Downy Goldenrod	-	-	-	S5
	<i>Solidago rugosa</i>	Rough-stemmed Goldenrod	-	-	-	S5
	<i>Solidago sp.</i>	Unidentified Goldenrod	-	-	-	-
	<i>Solidago uliginosa</i>	Northern Bog Goldenrod	-	-	-	S5
	<i>Symphotrichum sp.</i>	Unidentified Aster	-	-	-	-
	<i>Symphotrichum lanceolatum</i>	Lance-leaved Aster	-	-	-	S4S5
	<i>Symphotrichum lateriflorum</i>	Calico Aster	-	-	-	S5
	<i>Symphotrichum novae-angliae</i>	New England Aster	-	-	-	SNA
	<i>Symphotrichum novi-belgii var. novi-belgii</i>	New Belgium American-Aster	-	-	-	S5
	<i>Symphotrichum puniceum</i>	Purple-stemmed Aster	-	-	-	S5

Family	Flora Scientific Name	Species	COSEWIC	SARA	NS ESA	NS S-Rank
	<i>Taraxacum officinale</i>	Common Dandelion	-	-	-	SNA
	<i>Tussilago farfara</i>	Coltsfoot	-	-	-	SNA
Balsaminaceae	<i>Impatiens capensis</i>	Spotted Jewelweed	-	-	-	S5
Betulaceae	<i>Alnus alnobetula</i>	Green Alder	-	-	-	S5
	<i>Alnus incana</i>	Speckled Alder	-	-	-	S5
	<i>Betula alleghaniensis</i>	Yellow Birch	-	-	-	S5
	<i>Betula papyrifera</i>	Paper Birch	-	-	-	S5
	<i>Betula populifolia</i>	Gray Birch	-	-	-	S5
	<i>Corylus cornuta</i>	Beaked Hazel	-	-	-	S5
Campanulaceae	<i>Campanula rapunculoides</i>	Creeping Bellflower	-	-	-	SNA
	<i>Lobelia inflata</i>	Inflated Lobelia	-	-	-	S5
Caprifoliaceae	<i>Diervilla lonicera</i>	Northern Bush Honeysuckle	-	-	-	S5
	<i>Linnaea borealis</i>	Twinflower	-	-	-	S5
	<i>Lonicera canadensis</i>	Canada Fly Honeysuckle	-	-	-	S5
Cornaceae	<i>Cornus canadensis</i>	Bunchberry	-	-	-	S5
Cupressaceae	<i>Juniperus communis</i>	Common Juniper	-	-	-	S5
Cyperaceae	<i>Carex adusta</i>	Lesser Brown Sedge	-	-	-	S2S3
	<i>Carex crinita</i>	Fringed Sedge	-	-	-	S5
	<i>Carex disperma</i>	Two-seeded Sedge	-	-	-	S5
	<i>Carex folliculata</i>	Northern Long Sedge	-	-	-	S5
	<i>Carex gynandra</i>	Nodding Sedge	-	-	-	S5
	<i>Carex intumescens</i>	Bladder Sedge	-	-	-	S5
	<i>Carex lurida</i>	Sallow Sedge	-	-	-	S5
	<i>Carex novae-angliae</i>	New England Sedge	-	-	-	S5
	<i>Carex projecta</i>	Necklace Sedge	-	-	-	S5
	<i>Carex scoparia</i>	Broom Sedge	-	-	-	S5
	<i>Carex sp.</i>	Unidentified Carex	-	-	-	-
	<i>Carex stricta</i>	Tussock Sedge	-	-	-	S5
	<i>Carex tonsa</i>	Deep Green Sedge	-	-	-	S5
	<i>Carex trisperma</i>	Three-seeded Sedge	-	-	-	S5
	<i>Carex umbellata</i>	Umbellate Sedge	-	-	-	S4
	<i>Dulichium arundinaceum</i>	Three-Way Sedge	-	-	-	S5
	<i>Eleocharis acicularis</i>	Needle Spikerush	-	-	-	S5
	<i>Eleocharis parvula</i>	Dwarf Spikerush	-	-	-	S4
	<i>Eriophorum angustifolium</i>	Narrow-leaved Cottongrass	-	-	-	S5
	<i>Eriophorum sp.</i>	Unidentified Cottongrass	-	-	-	-
	<i>Eriophorum tenellum</i>	Rough Cottongrass	-	-	-	S4S5
<i>Eriophorum virginicum</i>	Tawny Cottongrass	-	-	-	S5	
<i>Scirpus cyperinus</i>	Common Woolly Bulrush	-	-	-	S5	
Dennstaedtiaceae	<i>Dennstaedtia punctilobula</i>	Eastern Hay-Scented Fern	-	-	-	S5
	<i>Pteridium aquilinum</i>	Bracken Fern	-	-	-	S5
Droseraceae	<i>Drosera intermedia</i>	Spoon-Leaved Sundew	-	-	-	S5
	<i>Drosera rotundifolia</i>	Round-leaved Sundew	-	-	-	S5
Dryopteridaceae	<i>Dryopteris carthusiana</i>	Spinulose Wood Fern	-	-	-	S5
	<i>Dryopteris cristata</i>	Crested Wood Fern	-	-	-	S5
	<i>Dryopteris intermedia</i>	Evergreen Wood Fern	-	-	-	S5
	<i>Polystichum acrostichoides</i>	Christmas Fern	-	-	-	S5
Equisetaceae	<i>Equisetum arvense</i>	Field Horsetail	-	-	-	S5
	<i>Equisetum sylvaticum</i>	Woodland Horsetail	-	-	-	S5
	<i>Chamaedaphne calyculata</i>	Leatherleaf	-	-	-	S5
	<i>Chimaphila umbellata</i>	Common Pipsissewa	-	-	-	S4
	<i>Epigaea repens</i>	Trailing Arbutus	-	-	-	S5

Family	Flora Scientific Name	Species	COSEWIC	SARA	NS ESA	NS S-Rank
Ericaceae	<i>Gaultheria hispida</i>	Creeping Snowberry	-	-	-	S5
	<i>Gaultheria procumbens</i>	Eastern Teaberry	-	-	-	S5
	<i>Gaylussacia baccata</i>	Black Huckleberry	-	-	-	S5
	<i>Hypopitys monotropa</i>	Pinesap	-	-	-	S4
	<i>Kalmia angustifolia</i>	Sheep Laurel	-	-	-	S5
	<i>Kalmia polifolia</i>	Pale Bog Laurel	-	-	-	S5
	<i>Monotropa uniflora</i>	Convulsion-Root	-	-	-	S5
	<i>Pyrola elliptica</i>	Shinleaf	-	-	-	S5
	<i>Rhododendron canadense</i>	Rhodora	-	-	-	S5
	<i>Rhododendron groenlandicum</i>	Common Labrador Tea	-	-	-	S5
	<i>Vaccinium angustifolium</i>	Late Lowbush Blueberry	-	-	-	S5
	<i>Vaccinium macrocarpon</i>	Large Cranberry	-	-	-	S5
	<i>Vaccinium myrtilloides</i>	Velvet-leaved Blueberry	-	-	-	S5
	<i>Vaccinium oxycoccos</i>	Small Cranberry	-	-	-	S5
Fabaceae	<i>Melilotus albus</i>	White Sweet-clover	-	-	-	SNA
	<i>Trifolium arvense</i>	Rabbit's-foot Clover	-	-	-	SNA
	<i>Trifolium campestre</i>	Low Hop Clover	-	-	-	SNA
	<i>Trifolium pratense</i>	Red Clover	-	-	-	SNA
	<i>Vicia cracca</i>	Tufted Vetch	-	-	-	SNA
Fagaceae	<i>Fagus grandifolia</i>	American Beech	-	-	-	S3S4
	<i>Quercus rubra</i>	Northern Red Oak	-	-	-	S5
Grossulariaceae	<i>Ribes lacustre</i>	Bristly Black Currant	-	-	-	S5
Hamamelidaceae	<i>Hamamelis virginiana</i>	American Witch-Hazel	-	-	-	S5
Hypericaceae	<i>Hypericum canadense</i>	Canada St John's-wort	-	-	-	S5
	<i>Hypericum fraseri</i>	Fraser's St. John's-wort	-	-	-	S5
	<i>Hypericum mutilum</i>	Dwarf St John's-wort	-	-	-	S4S5
	<i>Hypericum perforatum</i>	Common St. John's-wort	-	-	-	SNA
Iridaceae	<i>Iris versicolor</i>	Harlequin Blue Flag	-	-	-	S5
Juncaceae	<i>Juncus articulatus</i>	Jointed Rush	-	-	-	S5
	<i>Juncus bufonius</i>	Toad Rush	-	-	-	S5
	<i>Juncus canadensis</i>	Canada Rush	-	-	-	S5
	<i>Juncus effusus</i>	Soft Rush	-	-	-	S5
	<i>Juncus sp.</i>	A Rush	-	-	-	-
	<i>Juncus tenuis</i>	Slender Rush	-	-	-	S5
Lamiaceae	<i>Clinopodium vulgare</i>	Wild Basil	-	-	-	S4S5
	<i>Lycopus americanus</i>	American Water Horehound	-	-	-	S5
	<i>Lycopus uniflorus</i>	Northern Water Horehound	-	-	-	S5
	<i>Prunella vulgaris</i>	Common Self-heal	-	-	-	S5
Lentibulariaceae	<i>Utricularia sp.</i>	A Bladderwort	-	-	-	-
Liliaceae	<i>Clintonia borealis</i>	Yellow Bluebead Lily	-	-	-	S5
	<i>Medeola virginiana</i>	Cucumber Root	-	-	-	S5
	<i>Streptopus lanceolatus</i>	Rose Twisted-stalk	-	-	-	S5
Lycopodiaceae	<i>Dendrolycopodium dendroideum</i>	Round-branched Tree-clubmoss	-	-	-	S5
	<i>Dendrolycopodium hickeyi</i>	Hickey's Tree-clubmoss	-	-	-	S4
	<i>Diphasiastrum complanatum</i>	Northern Ground-cedar	-	-	-	S3S4
	<i>Diphasiastrum tristachyum</i>	Blue Ground-cedar	-	-	-	S4
	<i>Lycopodiella inundata</i>	Northern Bog Clubmoss	-	-	-	S5
	<i>Lycopodium clavatum</i>	Running Clubmoss	-	-	-	S5
	<i>Spinulum annotinum</i>	Stiff Clubmoss	-	-	-	S5
Melanthiaceae	<i>Trillidium undulatum</i>	Painted Trillium	-	-	-	S5
	<i>Trillium cernuum</i>	Nodding Trillium	-	-	-	S4
	<i>Comptonia peregrina</i>	Sweet-fern	-	-	-	S5

Family	Flora Scientific Name	Species	COSEWIC	SARA	NS ESA	NS S-Rank
Myricaceae	<i>Morella pensylvanica</i>	Northern Bayberry	-	-	-	S5
	<i>Myrica gale</i>	Sweet Gale	-	-	-	S5
Oleaceae	<i>Fraxinus americana</i>	White Ash	-	-	-	S4
Onagraceae	<i>Chamaenerion angustifolium</i>	Fireweed	-	-	-	S5
	<i>Circaea alpina</i>	Small Enchanter's Nightshade	-	-	-	S5
	<i>Epilobium ciliatum</i>	Northern Willowherb	-	-	-	S5
	<i>Epilobium leptocarpum</i>	Slender-Fruited Willow-Herb	-	-	-	SNA
	<i>Oenothera biennis</i>	Common Evening Primrose	-	-	-	S5
Onocleaceae	<i>Onoclea sensibilis</i>	Sensitive Fern	-	-	-	S5
Orchidaceae	<i>Cypripedium acaule</i>	Pink Lady's-Slipper	-	-	-	S5
	<i>Epipactis helleborine</i>	Helleborine	-	-	-	SNA
	<i>Platanthera clavellata</i>	Club Spur Orchid	-	-	-	S5
	<i>Spiranthes cernua</i>	Nodding Ladies'-Tresses	-	-	-	S4?
	<i>Spiranthes ochroleuca</i>	Yellow Ladies'-tresses	-	-	-	S3?
Orobanchaceae	<i>Agalinis neoscotica</i>	Nova Scotia Agalinis	-	-	-	S4S5
	<i>Euphrasia nemorosa</i>	Common Eyebright	-	-	-	SNA
	<i>Odontites vulgaris</i>	Red Bartsia	-	-	-	SNA
Osmundaceae	<i>Claytosmunda claytoniana</i>	Interrupted Fern	-	-	-	S5
	<i>Osmunda regalis</i>	Royal Fern	-	-	-	S5
	<i>Osmundastrum cinnamomeum</i>	Cinnamon Fern	-	-	-	S5
Oxalidaceae	<i>Oxalis montana</i>	Common Wood Sorrel	-	-	-	S5
	<i>Oxalis stricta</i>	European Wood Sorrel	-	-	-	S5
Pinaceae	<i>Abies balsamea</i>	Balsam Fir	-	-	-	S5
	<i>Larix laricina</i>	Tamarack	-	-	-	S5
	<i>Picea abies</i>	Norway Spruce	-	-	-	SNA
	<i>Picea glauca</i>	White Spruce	-	-	-	S5
	<i>Picea mariana</i>	Black Spruce	-	-	-	S5
	<i>Picea rubens</i>	Red Spruce	-	-	-	S5
	<i>Pinus strobus</i>	Eastern White Pine	-	-	-	S5
Plantaginaceae	<i>Tsuga canadensis</i>	Eastern Hemlock	-	-	-	S4
	<i>Plantago major</i>	Common Plantain	-	-	-	SNA
Poaceae	<i>Veronica officinalis</i>	Common Speedwell	-	-	-	SNA
	<i>Agrostis capillaris</i>	Colonial Bent Grass	-	-	-	SNA
	<i>Agrostis scabra</i>	Rough Bent Grass	-	-	-	S5
	<i>Agrostis stolonifera</i>	Creeping Bent Grass	-	-	-	S5
	<i>Brachyelytrum aristosum</i>	Northern Shorthusk	-	-	-	S5
	<i>Calamagrostis canadensis</i>	Bluejoint Reed Grass	-	-	-	S5
	<i>Cinna latifolia</i>	Drooping Wood Reed Grass	-	-	-	S5
	<i>Dactylis glomerata</i>	Orchard Grass	-	-	-	SNA
	<i>Danthonia sp.</i>	An Oat Grass	-	-	-	-
	<i>Danthonia spicata</i>	Poverty Oat Grass	-	-	-	S5
	<i>Deschampsia cespitosa</i>	Tufted Hair Grass	-	-	-	S4
	<i>Dichantherium acuminatum</i>	Woolly Panic Grass	-	-	-	SNA
	<i>Dichantherium sp.</i>	A Panicgrass	-	-	-	-
	<i>Glyceria canadensis</i>	Canada Manna Grass	-	-	-	S5
	<i>Glyceria striata</i>	Fowl Manna Grass	-	-	-	S5
	<i>Leersia oryzoides</i>	Rice Cut Grass	-	-	-	S5
	<i>Muhlenbergia uniflora</i>	Bog Muhly	-	-	-	S5
<i>Phleum pratense</i>	Common Timothy	-	-	-	SNA	
Polygalaceae	<i>Polygala sp.</i>	A Knotweed	-	-	-	-
Polygonaceae	<i>Rumex crispus</i>	Curled Dock	-	-	-	SNA
Polypodiaceae	<i>Polypodium virginianum</i>	Rock Polypody	-	-	-	S5

Family	Flora Scientific Name	Species	COSEWIC	SARA	NS ESA	NS S-Rank
Primulaceae	<i>Lysimachia borealis</i>	Northern Starflower	-	-	-	S5
	<i>Lysimachia terrestris</i>	Swamp Yellow Loosestrife	-	-	-	S5
Prunaceae	<i>Prunus sp.</i>	A Cherry	-	-	-	-
Ranunculaceae	<i>Coptis trifolia</i>	Goldthread	-	-	-	S5
	<i>Thalictrum pubescens</i>	Tall Meadow-Rue	-	-	-	S5
Rosaceae	<i>Amelanchier arborea</i>	Downy Serviceberry	-	-	-	S4S5
	<i>Aronia melanocarpa</i>	Black Chokeberry	-	-	-	S5
	<i>Crataegus macrosperma</i>	Big-Fruit Hawthorn	-	-	-	S4
	<i>Fragaria virginiana</i>	Wild Strawberry	-	-	-	S5
	<i>Malus pumila</i>	Common Apple	-	-	-	SNA
	<i>Potentilla simplex</i>	Old Field Cinquefoil	-	-	-	S5
	<i>Rosa multiflora</i>	Multiflora Rose	-	-	-	SNA
	<i>Rosa nitida</i>	Shining Rose	-	-	-	S4S5
	<i>Rosa virginiana</i>	Virginia Rose	-	-	-	S5
	<i>Rubus allegheniensis</i>	Alleghaney Blackberry	-	-	-	S5
	<i>Rubus canadensis</i>	Smooth Blackberry	-	-	-	S5
	<i>Rubus flagellaris</i>	Northern Dewberry	-	-	-	SU
	<i>Rubus hispidus</i>	Bristly Dewberry	-	-	-	S5
	<i>Rubus idaeus</i>	Red Raspberry	-	-	-	S5
	<i>Rubus pubescens</i>	Dwarf Red Raspberry	-	-	-	S5
	<i>Rubus repens</i>	Dewdrop	-	-	-	S4S5
	<i>Rubus setosus</i>	Bristly Blackberry	-	-	-	S4
	<i>Sorbus americana</i>	American Mountain Ash	-	-	-	S5
	<i>Spiraea alba</i>	White Meadowsweet	-	-	-	S5
	<i>Spiraea tomentosa</i>	Steeplebush	-	-	-	S5
Rubiaceae	<i>Galium asprellum</i>	Rough Bedstraw	-	-	-	S5
	<i>Galium trifidum</i>	Three-petaled Bedstraw	-	-	-	S5
	<i>Mitchella repens</i>	Partridgeberry	-	-	-	S5
Salicaceae	<i>Populus grandidentata</i>	Large-toothed Aspen	-	-	-	S5
	<i>Populus tremuloides</i>	Trembling Aspen	-	-	-	S5
	<i>Salix bebbiana</i>	Bebb's Willow	-	-	-	S5
	<i>Salix discolor</i>	Pussy Willow	-	-	-	S5
	<i>Salix eriocephala</i>	Cottony Willow	-	-	-	S5
	<i>Salix sp.</i>	Unidentified Willow	-	-	-	-
Sapindaceae	<i>Acer pensylvanicum</i>	Striped Maple	-	-	-	S5
	<i>Acer rubrum</i>	Red Maple	-	-	-	S5
	<i>Acer saccharum</i>	Sugar Maple	-	-	-	S4S5
	<i>Acer spicatum</i>	Mountain Maple	-	-	-	S5
Sarraceniaceae	<i>Sarracenia purpurea</i>	Northern Pitcher Plant	-	-	-	S5
Taxaceae	<i>Taxus canadensis</i>	Canada Yew	-	-	-	S4S5
Thelypteridaceae	<i>Parathelypteris noveboracensis</i>	New York Fern	-	-	-	S5
	<i>Phegopteris connectilis</i>	Northern Beech Fern	-	-	-	S5
	<i>Thelypteris palustris</i>	Eastern Marsh Fern	-	-	-	S5
Typhaceae	<i>Sparganium sp.</i>	A Burreed	-	-	-	0
	<i>Typha latifolia</i>	Broad-leaved Cattail	-	-	-	S5
Ulmaceae	<i>Ulmus americana</i>	White Elm	-	-	-	S3S4
	<i>Rosa multiflora</i>	Multiflora Rose	-	-	-	SNA
	<i>Rosa nitida</i>	Shining Rose	-	-	-	S4S5
	<i>Rosa virginiana</i>	Virginia Rose	-	-	-	S5
	<i>Rubus allegheniensis</i>	Alleghaney Blackberry	-	-	-	S5
	<i>Rubus canadensis</i>	Smooth Blackberry	-	-	-	S5
	<i>Rubus flagellaris</i>	Northern Dewberry	-	-	-	SU

Family	Flora Scientific Name	Species	COSEWIC	SARA	NS ESA	NS S-Rank
Rosaceae	<i>Rubus hispidus</i>	Bristly Dewberry	-	-	-	S5
	<i>Rubus idaeus</i>	Red Raspberry	-	-	-	S5
	<i>Rubus pubescens</i>	Dwarf Red Raspberry	-	-	-	S5
	<i>Rubus repens</i>	Dewdrop	-	-	-	S4S5
	<i>Rubus setosus</i>	Bristly Blackberry	-	-	-	S4
	<i>Sorbus americana</i>	American Mountain Ash	-	-	-	S5
	<i>Spiraea alba</i>	White Meadowsweet	-	-	-	S5
	<i>Spiraea tomentosa</i>	Steeplebush	-	-	-	S5
Rubiaceae	<i>Galium asprellum</i>	Rough Bedstraw	-	-	-	S5
	<i>Galium trifidum</i>	Three-petaled Bedstraw	-	-	-	S5
	<i>Mitchella repens</i>	Partridgeberry	-	-	-	S5
Salicaceae	<i>Populus grandidentata</i>	Large-toothed Aspen	-	-	-	S5
	<i>Populus tremuloides</i>	Trembling Aspen	-	-	-	S5
	<i>Salix bebbiana</i>	Bebb's Willow	-	-	-	S5
	<i>Salix discolor</i>	Pussy Willow	-	-	-	S5
	<i>Salix eriocephala</i>	Cottony Willow	-	-	-	S5
	<i>Salix sp.</i>	Unidentified Willow	-	-	-	-
Sapindaceae	<i>Acer pensylvanicum</i>	Striped Maple	-	-	-	S5
	<i>Acer rubrum</i>	Red Maple	-	-	-	S5
	<i>Acer saccharum</i>	Sugar Maple	-	-	-	S4S5
	<i>Acer spicatum</i>	Mountain Maple	-	-	-	S5
Sarraceniaceae	<i>Sarracenia purpurea</i>	Northern Pitcher Plant	-	-	-	S5
Taxaceae	<i>Taxus canadensis</i>	Canada Yew	-	-	-	S4S5
Thelypteridaceae	<i>Parathelypteris noveboracensis</i>	New York Fern	-	-	-	S5
	<i>Phegopteris connectilis</i>	Northern Beech Fern	-	-	-	S5
	<i>Thelypteris palustris</i>	Eastern Marsh Fern	-	-	-	S5
Typhaceae	<i>Sparganium sp.</i>	A Burreed	-	-	-	0
	<i>Typha latifolia</i>	Broad-leaved Cattail	-	-	-	S5
Ulmaceae	<i>Ulmus americana</i>	White Elm	-	-	-	S3S4
Violaceae	<i>Viola lanceolata</i>	Lance-leaved Violet	-	-	-	S5
	<i>Viola macloskeyi</i>	Small White Violet	-	-	-	S5
	<i>Viola sp.</i>	Unidentified Violet	-	-	-	-

Table F-2. Lichen Species Detected by CBCL Within the Bear Lake Study Area Between September and December 2022

Family	Scientific Name	Common Name	COSEWIC	SARA	NS ESA	NS S-Rank
Bacidiaceae	<i>Bacidia schweinitzii</i>	a lichen	-	-	-	S5
	<i>Biatora vernalis</i>	a lichen	-	-	-	S5
Baeomycetaceae	<i>Baeomyces rufus</i>	Brown Beret Lichen	-	-	-	S4
	<i>Dibaeis baeomyces</i>	Pink Earth Lichen	-	-	-	S5
Cladoniaceae	<i>Cladonia arbuscula</i>	Reindeer Lichen	-	-	-	S5
	<i>Cladonia boryi</i>	Fishnet Lichen	-	-	-	S5
	<i>Cladonia caespiticia</i>	Stubby Stalked Lichen	-	-	-	S4S5
	<i>Cladonia chlorophaea</i>	Mealy Pixie-cup Lichen	-	-	-	S5
	<i>Cladonia coniocraea</i>	Common Pixie Powderhorn	-	-	-	S5
	<i>Cladonia cornuta</i>	Bighorn Pixie Lichen	-	-	-	S4?
	<i>Cladonia crispata</i>	Organpipe Lichen	-	-	-	S5
	<i>Cladonia cristatella</i>	British Soldiers Lichen	-	-	-	S5
	<i>Cladonia gracilis</i>	Cup Lichen	-	-	-	S5
	<i>Cladonia macilenta</i>	Lipstick Powderhorn Lichen	-	-	-	S4S5
	<i>Cladonia maxima</i>	Giant Cladonia Lichen	-	-	-	S5
	<i>Cladonia ochrochlora</i>	Smooth-footed Powderhorn Lichen	-	-	-	S5
	<i>Cladonia pleurota</i>	Red-fruited Pixie-cup	-	-	-	S5
	<i>Cladonia rangiferina</i>	Gray Reindeer Lichen	-	-	-	S5
	<i>Cladonia sp.</i>	Unidentified Cladonia	-	-	-	-
	<i>Cladonia squamosa</i>	Dragon Lichen	-	-	-	S5
	<i>Cladonia stellaris</i>	Star-tipped Reindeer Lichen	-	-	-	S5
	<i>Cladonia uncialis</i>	Thorn Lichen	-	-	-	S5
	<i>Cladonia verticillata</i>	Ladder Lichen	-	-	-	S5
	<i>Pycnothelia papillaria</i>	Nipple Lichen	-	-	-	S5
Collemataceae	<i>Collema leptaleum</i>	Crumpled Bat's Wing Lichen	-	-	-	S2S3
	<i>Collema sp.</i>	Unidentified Collema	-	-	-	-
	<i>Collema subflaccidum</i>	Tree Tarpaper Lichen	-	-	-	S5
	<i>Leptogium corticola</i>	Blistered Jellyskin Lichen	-	-	-	S3S4
	<i>Leptogium cyanescens</i>	Blue Jellyskin Lichen	-	-	-	S5
	<i>Leptogium laceroides</i>	Short-bearded Jellyskin Lichen	-	-	-	S4
	<i>Scytinium sp.</i>	A Jellyskin Lichen	-	-	-	-
	<i>Scytinium subtile</i>	Appressed Jellyskin Lichen	-	-	-	S3S4
<i>Scytinium tenuissimum</i>	Birdnest Jellyskin Lichen	-	-	-	S2S3	
Coniocybaceae	<i>Sclerophora peronella (Atlantic pop.)</i>	Frosted Glass-whiskers (Atlantic pop.)	Special Concern	-	Special Concern	S3S4
Graphidaceae	<i>Graphis scripta</i>	a lichen	-	-	-	S5
Haematommataceae	<i>Loxospora ochrophaea</i>	a lichen	-	-	-	SU
Lecanoraceae	<i>Lecanora caesiorubella</i>	a lichen	-	-	-	S5
	<i>Lecanora thysanophora</i>	a lichen	-	-	-	S5
Lobariaceae	<i>Lobaria pulmonaria</i>	Lungwort Lichen	-	-	-	S5
	<i>Lobaria scrobiculata</i>	Textured Lungwort Lichen	-	-	-	S5
	<i>Pseudocyphellaria holarctica</i>	Yellow Specklebelly Lichen	-	-	-	S5
	<i>Ricasolia quercizans</i>	Smooth Lung Lichen	-	-	-	S5
Mycoblastaceae	<i>Mycoblastus sanguinarioides</i>	a lichen	-	-	-	S5
Nephromataceae	<i>Nephroma helveticum</i>	Fringed Kidney Lichen	-	-	-	S4S5
	<i>Nephroma laevigatum</i>	Mustard Kidney Lichen	-	-	-	S5
Pannariaceae	<i>Fuscopannaria ahlneri</i>	Corrugated Shingles Lichen	-	-	-	S3
	<i>Fuscopannaria sp.</i>	a lichen	-	-	-	-
	<i>Pannaria conoplea</i>	Mealy-rimmed Shingle Lichen	-	-	-	S4S5
	<i>Pannaria rubiginosa</i>	Brown-eyed Shingle Lichen	-	-	-	S4
	<i>Parmeliella triptophylla</i>	Black-bordered Shingles Lichen	-	-	-	S5

Family	Scientific Name	Common Name	COSEWIC	SARA	NS ESA	NS S-Rank
	<i>Pectenia plumbea</i>	Blue Felt Lichen	Special Concern	Vulnerable	Special Concern	S3
Parmeliaceae	<i>Arctoparmelia centrifuga</i>	Ripple Ring Lichen	-	-	-	S5
	<i>Arctoparmelia incurva</i>	Finger Ring Lichen	-	-	-	S3S4
	<i>Bryoria fuscescens</i>	Pale-footed Horsehair Lichen	-	-	-	S4S5
	<i>Bryoria sp.</i>	A Horsehair lichen	-	-	-	-
	<i>Cetrelia chicitae</i>	Frothing Seastorm Lichen	-	-	-	S5
	<i>Dolichousnea longissima</i>	Methuselah's Beard Lichen	-	-	-	S4
	<i>Evernia mesomorpha</i>	Boreal Oakmoss Lichen	-	-	-	S5
	<i>Hypogymnia krogiae</i>	Freckled Tube Lichen	-	-	-	S5
	<i>Hypogymnia physodes</i>	Monk's Hood Lichen	-	-	-	S5
	<i>Hypogymnia tubulosa</i>	Powder-headed Tube Lichen	-	-	-	S5
	<i>Melanelixia subaurifera</i>	Abrading Camouflage Lichen	-	-	-	S5
	<i>Menegazzia subsimilis</i>	Tree Flute Lichen	-	-	-	S4S5
	<i>Menegazzia terebrata</i>	Magic Flute Lichen	-	-	-	S4S5
	<i>Montanelia panniformis</i>	Shingled Camouflage Lichen	-	-	-	S5
	<i>Parmelia saxatilis</i>	Salted Shield Lichen	-	-	-	S5
	<i>Parmelia squarrosa</i>	Bottlebrush Shield Lichen	-	-	-	S5
	<i>Parmelia sulcata</i>	Hammered Shield Lichen	-	-	-	S5
	<i>Parmotrema crinitum</i>	Salted Ruffle Lichen	-	-	-	S5
	<i>Platismatia glauca</i>	Varied Rag Lichen	-	-	-	S5
	<i>Platismatia tuckermanii</i>	Crumpled Rag Lichen	-	-	-	S5
<i>Punctelia rudecta</i>	Rough Speckleback Lichen	-	-	-	S5	
<i>Usnea sp.</i>	Unidentified Old man's Beard Lichen	-	-	-	-	
<i>Usnea strigosa</i>	Bushy Beard Lichen	-	-	-	S5	
Peltigeraceae	<i>Peltigera aphthosa</i>	Common Freckle Pelt Lichen	-	-	-	S5
	<i>Peltigera canina</i>	Dog Lichen	-	-	-	S5
	<i>Peltigera elisabethae</i>	Concentric Pelt Lichen	-	-	-	S4S5
	<i>Peltigera horizontalis</i>	Flat-fruited Pelt Lichen	-	-	-	S5
	<i>Peltigera praetextata</i>	Born-again Pelt Lichen	-	-	-	S4S5
	<i>Peltigera sp.</i>	Unidentified Pelt Lichen	-	-	-	-
Pertusariaceae	<i>Lepra amara</i>	a lichen	-	-	-	S5
Physciaceae	<i>Pyxine soorediata</i>	Mustard Lichen	-	-	-	S5
Porpidiaceae	<i>Porpidia albocaerulescens</i>	a boulder lichen	-	-	-	S4
	<i>Porpidia crustulata</i>	a boulder lichen	-	-	-	SU
	<i>Porpidia sp.</i>	a boulder lichen	-	-	-	-
Ramalinaceae	<i>Ramalina americana</i>	Sinewed Ramalina Lichen	-	-	-	S5
	<i>Ramalina roesleri</i>	Frayed Ramalina Lichen	-	-	-	S5
Stereocaulaceae	<i>Lepraria sp.</i>	Unidentified Dust Lichen	-	-	-	-
	<i>Stereocaulon condensatum</i>	Granular Soil Foam Lichen	-	-	-	S2S3
	<i>Stereocaulon dactylophyllum</i>	Finger Foam Lichen	-	-	-	S5
	<i>Stereocaulon sp.</i>	Unidentified Stereocaulon sp.	-	-	-	-
	<i>Stereocaulon saxatile</i>	Rock Foam Lichen	-	-	-	S4
Thelotremataceae	<i>Thelotrema lepadinum</i>	a lichen	-	-	-	S5
Umbilicariaceae	<i>Lasallia papulosa</i>	Brown-bellied Toadskin Lichen	-	-	-	S5
	<i>Umbilicaria mammulata</i>	Smooth Rocktripe Lichen	-	-	-	S5
	<i>Umbilicaria muhlenbergii</i>	Plated Rock Tripe	-	-	-	S5

Table F-3. Bryophyte Species Detected by CBCL Within the Bear Lake Study Area Between September and December 2022

Family	Scientific Name	Common Name	COSEWIC	SARA	NS ESA	NS S-Rank
Anomodontaceae	<i>Anomodon attenuatus</i>	Slender Anomodon Moss	-	-	-	S5
Bartramiaceae	<i>Bartramia pomiformis</i>	Common Apple Moss	-	-	-	S5
Cephaloziaceae	<i>Nowellia curvifolia</i>	Wood Rustwort	-	-	-	S5
Climaciaceae	<i>Climacium dendroides</i>	Northern Tree Moss	-	-	-	S5
Dicranaceae	<i>Dicranum polysetum</i>	Wavy-leaved Broom Moss	-	-	-	S5
	<i>Dicranum scoparium</i>	Common Broom Moss	-	-	-	S5
	<i>Dicranum sp.</i>	A Broom Moss	-	-	-	-
Grimmiaceae	<i>Grimmia sp.</i>	A Gimmia Moss	-	-	-	-
Hylocomiaceae	<i>Hylocomium splendens</i>	Stairstep Moss	-	-	-	S5
	<i>Rhytidiadelphus loreus</i>	Lanky Moss	-	-	-	S4S5
	<i>Rhytidiadelphus triquetrus</i>	Electrified Cat's-tail Moss	-	-	-	S5
Hylocomiaceae	<i>Pleurozium schreberi</i>	Red-stemmed Feather Moss	-	-	-	S5
Hypnaceae	<i>Hypnum cupressiforme</i>	Cypress-leaved Plait Moss	-	-	-	S5
	<i>Hypnum imponens</i>	Pellucid Plait Moss	-	-	-	S5
	<i>Hypnum sp.</i>	A Plait Moss	-	-	-	-
	<i>Ptilium crista-castrensis</i>	Knight's Plume Moss	-	-	-	S5
Jubulaceae	<i>Frullania sp.</i>	A Scalewort	-	-	-	-
Lepidoziaceae	<i>Bazzania sp.</i>	A Whipwort	-	-	-	-
	<i>Bazzania trilobata</i>	Three-lobed Whipwort	-	-	-	S5
Leucobryaceae	<i>Leucobryum glaucum</i>	White Pincushion Moss	-	-	-	S5
Lycopodiaceae	<i>Lycopodium sp.</i>	A Clubmoss	-	-	-	-
Mniaceae	<i>Mnium hornum</i>	Swan's-neck Leafy Moss	-	-	-	S5
	<i>Rhizomnium punctatum</i>	Dotted Leafy Moss	-	-	-	S5
	<i>Rhizomnium sp.</i>	A Leafy Moss	-	-	-	-
Neckeraceae	<i>Neckera pennata</i>	Feathery Neckera Moss	-	-	-	S5
Orthotrichaceae	<i>Ulota coarctata</i>	a Moss	-	-	-	S5
	<i>Ulota crispa</i>	Crisped Pincushion Moss	-	-	-	S5
Pelliaceae	<i>Pellia neesiana</i>	Nees' Pellia	-	-	-	S4?
Polytrichaceae	<i>Atrichum undulatum</i>	Common Smoothcap Moss	-	-	-	S5
Polytrichaceae	<i>Polytrichum commune</i>	Common Haircap Moss	-	-	-	S5
	<i>Polytrichum juniperinum</i>	Juniper Haircap Moss	-	-	-	S5
	<i>Polytrichum piliferum</i>	Bristly Haircap Moss	-	-	-	S5
Porellaceae	<i>Porella platyphylla</i>	Wall Scalewort	-	-	-	S5
Ptilidiaceae	<i>Ptilidium ciliare</i>	Ciliate Fringewort	-	-	-	S5
Radulaceae	<i>Radula complanata</i>	Flat-leaved Scalewort	-	-	-	S5
Scapaniaceae	<i>Scapania nemorea</i>	Grove Earwort	-	-	-	S5
	<i>Sphagnum capillifolium</i>	Northern Peatmoss	-	-	-	S5
	<i>Sphagnum cuspidatum</i>	Feathery Peat Moss	-	-	-	S5

Family	Scientific Name	Common Name	COSEWIC	SARA	NS ESA	NS S-Rank
Sphagnaceae	<i>Sphagnum fuscum</i>	Brown Peat Moss	-	-	-	S5
	<i>Sphagnum girgensohnii</i>	Green Peat Moss	-	-	-	S5
	<i>Sphagnum magellanicum</i>	Magellan's Peat Moss	-	-	-	S5
	<i>Sphagnum palustre</i>	Blunt-leaved Peat Moss	-	-	-	S5
	<i>Sphagnum rubellum</i>	Red Peat Moss	-	-	-	S5
	<i>Sphagnum sp.</i>	A Peat Moss	-	-	-	-
	<i>Sphagnum warnstorffii</i>	Warnstorff's Peat Moss	-	-	-	S4S5
Thuidiaceae	<i>Thuidium delicatulum</i>	Delicate Fern Moss	-	-	-	S5

APPENDIX G

Vegetation and Wetlands – Detailed Maps

Drawings provided directly to regulators for review to maintain confidentiality of locations of species at risk.