



Appendix K.1

Master Species List - March 22, 2021
Completed for the Updated 2021 Beaver Dam Mine EIS

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
Vascular Flora				
Common Species ²				
<i>Abies balsamea</i>	Balsam Fir	FAC	S5	June 17. 22 – 24, July 15 – 17, August 18-21, September 1-8, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016; June – August 2019; June – October 2020
<i>Acer rubrum</i>	Red Maple	FAC	S5	June 17. 22 – 24, July 15 – 17, August 18-21, September 1-8, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Agrostis capillaris</i>	Brown Top	FAC	SE	May – October 2019; May – October 2020
<i>Agrostis gigantea</i>	Black Bentgrass	FAC	SNA	June 17, 22, July 15-24, August 18-20, September 1-8, 2015;
<i>Agrostis perennans</i>	Perennial Bentgrass	FAC	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Agrostis scabra</i>	Rough Bentgrass	FAC	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Agrostis stolonifera</i>	Spreading Bentgrass	FACW	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Alnus incana</i>	Speckled Alder	FACW	S5	June 17. 22 – 24, July 15 – 17, August 18-21, September 1-8, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Alnus viridis</i>	Green Alder	FACU	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Amelanchier laevis</i>	Serviceberry	FAC	S5	May – October 2019; May – October 2020
<i>Anaphalis margaritacea</i>	Pearly Everlasting	UPL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015
<i>Andromeda polifolia</i>	Bog Rosemary	OBL	S5	June 22-23, 2015
<i>Aralia hispida</i>	Bristly Sasparilla	UPL	S5	June 22-23, 2015
<i>Aralia nudicaulis</i>	Wild Sarsaparilla	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Arethusa bulbosa</i>	Dragon's Mouth	OBL	S4	June 22-23, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Athyrium filix-femina</i>	Common Lady Fern	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Bartonia paniculata</i>	Branched Bartonia	OBL	S4S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Betula alleghaniensis</i>	Yellow Birch	FAC	S5	June 17. 22 – 24, July 15 – 17, August 18-21, September 1-8, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Betula papyrifera</i>	Paper Birch	FACU	S5	June 17. 22 – 24, July 15 – 17, August 18-21, September 1-8, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016; May – October 2019;

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
				May – October 2020
<i>Betula papyrifera cordifolia</i>	Heart-Leaved Paper Birch	FACU	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015
<i>Betula populifolia</i>	Gray Birch	FAC	S5	June 17, 22 – 24, July 15 – 17, August 18-21, September 1-8, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Calamagrostis canadensis</i>	Bluejoint Reed Grass	FACW	S4S5	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Calamagrostis pickeringii</i>	Pickering's Bluejoint	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Calla palustris</i>	Wild Calla	OBL	S4	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Calopogon tuberosus</i>	Tuberous Grass Pink	FACW+	S4	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Carex arctata</i>	Drooping Woodland Sedge	FAC	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Carex atlantica</i> ssp. <i>atlantica</i>	Atlantic Sedge	FACW+	S4	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Carex billingsii</i>	Billings's sedge	OBL	S4	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Carex brunnescens</i>	Brownish Sedge	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Carex canescens</i>	Silvery Sedge	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Carex crawfordii</i>	Cawford Sedge	FAC	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015
<i>Carex crinita</i>	Fringed Sedge	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Carex debilis</i>	White Edge Sedge	FAC	S5	June 22-23, 2015
<i>Carex disperma</i>	Two-seeded Sedge	FACW	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015
<i>Carex echinata</i>	Star Sedge	OBL	S5	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Carex exilis</i>	Coastal Sedge	OBL	S4	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Carex folliculata</i>	Northern Long Sedge	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Carex gracillima</i>	Graceful Sedge	FAC	S4S5	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Carex gynandra</i>	Nodding Sedge	FACW	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
<i>Carex intumescens</i>	Bladder Sedge	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Carex lasiocarpa</i>	Slender Sedge	OBL	S5	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Carex leptalea</i>	Bristly Stalk Sedge	FACW+	S5	June 22-23, 2015
<i>Carex lurida</i>	Sallow Sedge	OBL	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Carex magellanica</i>	Boreal Bog Sedge	OBL	S5	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Carex novae-angliae</i>	New-England Sedge	FACU	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Carex oligosperma</i>	Few-Seeded Sedge	OBL	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Carex pauciflora</i>	Few-Flowered Sedge	OBL	S4	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Carex projecta</i>	Necklace Sedge	FACW	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Carex scoparia</i>	Broom Sedge	FAC	S5	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Carex stipata</i>	Awl-fruited Sedge	OBL	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015
<i>Carex stricta</i>	Tussock's Sedge	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Carex trisperma</i>	Three-seeded Sedge	OBL	S4?	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Carex umbellata</i>	Hidden Sedge	UPL	S5	June 22-23, 2015
<i>Carex utriculata</i>	Bear Sedge	OBL	S5	June 22-23, 2015
<i>Centaurea nigra</i>	Black Knapweed	SNA	SE	May – October 2019; May – October 2020
<i>Chamaedaphne calyculata</i>	Leatherleaf	OBL	S5	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Chelone glabra</i>	Turtlehead	FACW+	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Circaea alpina</i>	Small Enchanter's Nightshade	FAC	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015
<i>Cladium mariscoides</i>	Twigrush	OBL	S5	June 22-23, 2015
<i>Clintonia borealis</i>	Yellow Bluebead Lily	FAC	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Comarum palustre</i>	Marsh Cinquefoil	OBL	S5	June 22-23, 2015
<i>Coptis trifolia</i>	Goldthread	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
				June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Cornus canadensis</i>	Bunchberry	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016; May – October 2019; May – October 2020
<i>Corylus cornuta</i>	Beaked Hazel	FAC	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015
<i>Cypripedium acaule</i>	Pink Lady's-Slippers	FAC	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Danthonia compressa</i>	Flattened Oat Grass	FACU	S5	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Danthonia spicata</i>	Poverty Oat Grass	FACU	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Dennstaedtia punctilobula</i>	Hay-scented Fern	FAC	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Dicanthelium acuminatum</i>	Panic Grass	FAC	S5	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Dichanthelium boreale</i>	Northern Panic Grass	FACW	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Diervilla lonicera</i>	Northern Bush Honeysuckle	FACU	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015
<i>Doellingeria umbellata</i>	Hairy Flat-top White Aster	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Drosera intermedia</i>	Spoon-Leaved Sundew	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Drosera rotundifolia</i>	Round-leaved Sundew	OBL	SNR	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Dryopteris campyloptera</i>	Mountain Wood Fern	FAC	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Dryopteris carthusiana</i>	Spinulose Wood Fern	FAC	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Dryopteris cristata</i>	Crested Wood Fern	FACW	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Dryopteris intermedia</i>	Evergreen Wood Fern	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Dulichium arundinaceum</i>	Three-Way Sedge	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Eleocharis acicularis</i>	Needle Spikerush	OBL	S5	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Eleocharis palustris</i>	Common Spikerush	OBL	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
<i>Eleocharis robbinsii</i>	Robbin's Spikerush	OBL	S4	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Eleocharis tenuis</i>	Slender Spikerush	FACW	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Empetrum nigrum</i>	Black Crowberry	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Epigaea repens</i>	Trailing Arbutus	FACU	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Epilobium leptophyllum</i>	Bog Willowherb	FACW+	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Epilobium palustre</i>	Marsh Willowherb	OBL	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Equisetum arvense</i>	Field Horsetail	FAC	S5	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Equisetum fluviatile</i>	Water Horsetail	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Equisetum sylvaticum</i>	Woodland Horsetail	FAC	S5	June 22-23,, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Erechtites hieracifolia</i>	Fireweed	FAC	S5	May – October 2019; May – October 2020
<i>Eriocaulon aquaticum</i>	White Buttons	OBL	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Eriophorum angustifolium</i>	Narrow-leaved Cottongrass	OBL	S5	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Eriophorum tenellum</i>	Rough Cottongrass	OBL	S4S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Eriophorum vaginatum</i>	Tussock Cottongrass	OBL	S5	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Eriophorum virginicum</i>	Tawny Cottongrass	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Eupatorium perfoliatum</i>	Common Boneset	FACW	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015
<i>Euphrasia officinalis</i>	European Eyebright	FAC	S5	May – October 2019; May – October 2020
<i>Eurybia radula</i>	Low Rough Aster	OBL	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Euthamia graminifolia</i>	Grass-leaved Goldenrod	FAC	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Fallopia japonica</i>	Japanese Knotweed	FACU	SNA	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Fragaria virginiana</i>	Wild Strawberry	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
				June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Fraxinus americana</i>	White Ash	FAC	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015
<i>Galium asprellum</i>	Rough Bedstraw	OBL	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015
<i>Galium palustre</i>	Common Marsh Bedstraw	FACW+	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Galium tinctorium</i>	Stiff-Marsh Bedstraw	OBL	S5	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Gaultheria hispidula</i>	Creeping Snowberry	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016; May – October 2019; May – October 2020
<i>Gaultheria procumbens</i>	Eastern Teaberry	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Gaylussacia baccata</i>	Black Huckleberry	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Gaylussacia bigeloviana</i>	Dwarf Huckleberry	OBL	S5	June 22-23, 2015
<i>Gaylussacia dumosa</i>	Bog Huckleberry	OBL	S5	May – October 2019; May – October 2020
<i>Glyceria borealis</i>	Small Floating Mannagrass	OBL	S5	May – October 2019; May – October 2020
<i>Glyceria canadensis</i>	Canada Manna Grass	FACW	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Glyceria grandis</i>	Common Tall Manna Grass	OBL	S4S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Glyceria laxa</i>	Northern Manna Grass	OBL	S4?	June 17, 22, July 15-24, August 18-20, September 1-8, 2015
<i>Glyceria melicaria</i>	Slender Manna-grass	OBL	S4	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Glyceria striata</i>	Fowl Manna Grass	FACW	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Gratiola aurea</i>	Golden Pert	OBL	S5	May – October 2019; May – October 2020
<i>Hieracium lachenalii</i>	Common hawkweed	UPL	SE	May – October 2019; May – October 2020
<i>Hieracium pilosella</i>	Mouse-eared hawkweed	UPL	SE	June 22-23, 2015
<i>Hieracium piloselloides</i>	Tall hawkweed	FACU	SE	June 22-23, 2015
<i>Huperzia lucidulum</i>	Shining Clubmoss	UPL	S5	May – October 2019; May – October 2020

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
<i>Hydrocotyle americana</i>	American Marsh Pennywort	OBL	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Hypericum boreale</i>	Northern St. John's-Wort	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Hypericum canadense</i>	Canada St. John's-Wort	FACW	S5	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Hypericum ellipticum</i>	Pale St. John's-wort	OBL	S5	May – October 2019; May – October 2020
<i>Hypericum perforatum</i>	St. John's-Wort	FAC	SE	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Ilex verticillata</i>	Common Winterberry	FACW+	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016; May – October 2019; May – October 2020
<i>Iris versicolor</i>	Harlequin Blue Flag	FACW+	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Juncus balticus</i>	Baltic Rush	FACW	S5	June 22-23, 2015;
<i>Juncus brevicaudatus</i>	Narrow Panicked Rush	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Juncus canadensis</i>	Canada Rush	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Juncus effusus</i>	Soft Rush	FACW	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Juncus filiformis</i>	Thread Rush	OBL	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015
<i>Juncus militaris</i>	Military Rush	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Juncus pelocarpus</i>	Bog Rush	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Juncus tenuis</i>	Slender Rush	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Juniperus communis</i>	Common Juniper	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Kalmia angustifolia</i>	Sheep Laurel	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016; May – October 2019; May – October 2020
<i>Kalmia polifolia</i>	Pale Bog Laurel	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
<i>Lactuca canadensis</i>	Canada lettuce	UPL	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Larix laricina</i>	Larch	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Leersia oryzoides</i>	Rice Cutgrass	OBL	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Linnaea borealis</i>	Northern Twinflower	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Listera cordata</i>	Heart-Leaved Twayblade	FACW	S4	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Lonicera canadensis</i>	Canada Fly Honeysuckle	FAC	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Lonicera villosa</i>	Mountain Fly Honeysuckle	FACW	S4S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Luzula multiflora</i>	Common Woodrush	FACU	S5	June 22-23, 2015
<i>Lycopodiella inundata</i>	Bog Clubmoss	FACW+	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Lycopodium annotinum</i>	Stiff Clubmoss	FAC	S5	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Lycopodium clavatum</i>	Running Pine	FAC	S5	May – October 2019; May – October 2020
<i>Lycopodium obscurum</i>	Tree Clubmoss	FACU	S4S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Lycopus americanus</i>	American Bugleweed	OBL	S5	May – October 2019; May – October 2020
<i>Lycopus uniflorus</i>	Northern Bugleweed	OBL	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015 June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Lysimachia terrestris</i>	Swamp Yellow Loosestrife	FACW+	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Maianthemum canadense</i>	False Lily-of-the-valley	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Maianthemum trifolium</i>	Three-leaved False Solomon's Seal	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Mitchella repens</i>	Partridgeberry	FACU	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Moneses uniflora</i>	One-flowered Wintergreen	FAC	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015
<i>Monotropa hypopithys</i>	Pinesap	FACU	S4	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Monotropa uniflora</i>	Indian Pipe	FACU	S4	June 17, 22, July 15-24, August 18-20, September 1-8, 2015

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
<i>Muhlenbergia uniflora</i>	Bog Muhly	FACW	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015
<i>Myrica gale</i>	Sweet Gale	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Myrica pensylvanica</i>	Northern Bayberry	FAC	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Nemopanthus mucronatus</i>	Mountain Holly	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Nymphaea odorata</i>	American Waterlily	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Oclemena acuminata</i>	Whorled Wood Aster	FACU	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Oclemena nemoralis</i>	Bog Aster	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Oclemena x blakei</i>	a hybrid White Panicked American-Aster	FACW	S4S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Onoclea sensibilis</i>	Sensitive Fern	FACW	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Orthilia secunda</i>	One-sided Wintergreen	FAC	S5	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Osmunda claytoniana</i>	Interrupted Fern	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Osmunda regalis</i>	Royal Fern	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Osmundastrum cinnamomeum</i>	Cinnamon Fern	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Oxalis montana</i>	Common Wood Sorrel	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Persicaria sagittata</i>	Arrow-leaved Smartweed	OBL	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015
<i>Phegopteris connectilis</i>	Northern Beech Fern	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Phleum pratense</i>	Common Timothy	FAC	SNA	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Photinia melanocarpa</i>	Black Chokeberry	FACW	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Photinia pyrifolia</i>	Red Chokeberry	FACW	S4	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Picea glauca</i>	White Spruce	FAC	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
<i>Picea mariana</i>	Black Spruce	FACW	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Picea rubens</i>	Red Spruce	FAC	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015; May – October 2019; May – October 2020
<i>Pinus strobus</i>	Eastern White Pine	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Platanthera clavellata</i>	Small Green Woodland Orchid	FACW	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015
<i>Poa compressa</i>	Canada Bluegrass	FACW	SE	June 22-23, July 15-24, August 18-20, September 1-8, 2015
<i>Pogonia ophioglossoides</i>	Rose Pogonia	OBL	S4	June 22-23, 2015
<i>Pontedaria cordata</i>	Pickered Weed	OBL	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Populus grandidentata</i>	Large-toothed Aspen	FACU-	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Populus tremuloides</i>	Trembling Aspen	FAC	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Potamogeton pusillus</i>	Small Pondweed	OBL	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Potentilla simplex</i>	Old Field Cinquefoil	UPL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Prenanthes trifoliolata</i>	Three-leaved Rattlesnakeroot	FACU	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Prunus pensylvanica</i>	Pin Cherry	FACU	S5	June 22-23, 2015
<i>Prunus virginiana</i>	Chokecherry	FAC	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Pteridium aquilinum</i>	Bracken Fern	FACU	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016; May – October 2019; May – October 2020
<i>Radiola linoides</i>	Allseed	FACU	SNA	May – October 2019; May – October 2020
<i>Ranunculus acris</i>	Common Buttercup	FAC	SNA	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Ranunculus repens</i>	Creeping Buttercup			June 22-23, 2015;; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Rhododendron canadense</i>	Rhodora	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Rhododendron groenlandicum</i>	Common Labrador Tea	FACW+	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Rhynchospora alba</i>	White Beakrush	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
				June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Rhynchospora capitellata</i>	Small-headed Beakrush	FACW+	S4	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Rhynchospora fusca</i>	Brown Beakrush	OBL	S5	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Ribes glandulosum</i>	Skunk Currant	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Ribes lacustre</i>	Bristly Black Currant	FACW	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Ribes triste</i>	Swamp Red Currant	FACW+	S4	June 17, 22, July 15-24, August 18-20, September 1-8, 2015
<i>Rosa nitida</i>	Shining Rose	OBL	S4	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Rosa palustris</i>	Swamp Rose	OBL	S4	June 22-23, 2015;
<i>Rosa virginiana</i>	Virginia Rose	FAC	S5	June 22-23, 2015
<i>Rubus alleghaniensis</i>	Blackberry	FACU	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Rubus canadensis</i>	Smooth Blackberry	FACU	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Rubus chamaemorus</i>	Cloudberry	OBL	S4	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Rubus hispidus</i>	Bristly Dewberry	FACW	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Rubus ideaus</i>	Red Raspberry	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Rubus pennsylvanicus</i>	Pennsylvania Blackberry	FACU	S4	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Rubus pubescens</i>	Dwarf Red Raspberry	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Rubus setosus</i>	Small Bristleberry	FACW	S4?	May – October 2019; May – October 2020
<i>Rumex acetosella</i>	Sheep Sorrel	FACU	SNA	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Salix bebbiana</i>	Bebb's Willow	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Salix discolor</i>	Pussy Willow	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Salix pyrifolia</i>	Balsam Willow	FACW	S5	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Sarracenia purpurea</i>	Northern Pitcher Plant	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
				June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Scheuchzeria palustris</i>	Podgrass	OBL	S4S5	May – October 2019; May – October 2020
<i>Schoenoplectus subterminalis</i>	Water Bulrush	OBL	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Scirpus atrocinctus</i>	Black-girdled Bulrush	FACW	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Scirpus cyperinus</i>	Common Woolly Bulrush	FACW	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Scirpus microcarpus</i>	Small-fruited Bulrush	OBL	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015
<i>Sium suave</i>	Common Water Parsnip	OBL	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Solidago canadensis</i>	Canada Goldenrod	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Solidago gigantea</i>	Giant Goldenrod	FAC	S5	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016; May – October 2019; May – October 2020
<i>Solidago nemoralis</i>	Field Goldenrod	UPL	S4S5	May – October 2019; May – October 2020
<i>Solidago puberula</i>	Downy Goldenrod	UPL	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Solidago rugosa</i>	Rough-stemmed Goldenrod	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Solidago uliginosa</i>	Northern Bog Goldenrod	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Solidago rugosa</i>	Rough-Leaf Goldenrod	FAC	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Sorbus americana</i>	American Mountain Ash	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Sparganium americanum</i>	American Burreed	OBL	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Sparganium angustifolium</i>	American Burred	OBL	S5	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Sparganium fluctuans</i>	Floating Burreed	OBL	S4	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Sphagnum capillifolium</i>	sphagnum moss	OBL	S5	June 22-23, 2015
<i>Sphagnum fuscum</i>	sphagnum moss	OBL	S5	June 22-23, 2015

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
<i>Sphagnum girgensohnii</i>	sphagnum moss	OBL	S5	June 22-23, 2015
<i>Sphagnum macrophyllum</i>	Largeleaf Sphagnum	OBL	S4	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Sphagnum magellanicum</i> s.l.	sphagnum moss	OBL	S5	June 22-23, 2015
<i>Spiraea alba</i>	White Meadowsweet	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Spiraea tomentosa</i>	Steeplebush	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Spiranthes cernua</i>	Nodding Ladies' Tresses	FACW	S5	May – October 2019; May – October 2020
<i>Spiranthes romanzoffiana</i>	Hooded Ladies'-tresses	OBL	S4	June 17, 22, July 15-24, August 18-20, September 1-8, 2015
<i>Symphyotrichum lateriflorum</i>	Calico Aster	FAC	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Symphyotrichum novi-belgii</i>	New Belgium American-Aster	FAC	S5	June 22-23, 2015
<i>Symphyotrichum puniceum</i>	Swamp Aster	OBL	S5	June 22-23, 2015
<i>Taxus canadensis</i>	Canada Yew	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Thalictrum pubescens</i>	Tall Meadow Rue	FACW	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Thelypteris noveboracensis</i>	New York Fern	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Thelypteris palustris</i>	Eastern Marsh Fern	OBL	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Thelypteris simulata</i>	Bog Fern	OBL	S4S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Triadenum virginicum</i>	Virginia St John's-wort	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Trichophorum cespitosum</i>	Tufted Clubrush	OBL	S5	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Tridenum fraseri</i>	Marsh-St. John's wort	OBL	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015
<i>Trientalis borealis</i>	Northern Starflower	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016; May – October 2019; May – October 2020
<i>Trifolium dubium</i>	Suckling Clover	UPL	SE	May – October 2019; May – October 2020

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
<i>Trillium undulatum</i>	Painted Trillium	FAC	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Tussilago farfara</i>	Coltsfoot	FAC	SE	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Typha latifolia</i>	Broad-leaved Cat-tail	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Utricularia geminiscapa</i>	Twin-stemmed Bladderwort	OBL	S4	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Utricularia cornuta</i>	Horned Bladder-wort	OBL	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Utricularia intermedia</i>	Flatleaf Bladderwort	OBL	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Utricularia macrorhiza</i>	Flatleaf Bladderwort	OBL	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Utricularia purpurea</i>	Eastern Purple Bladderwort	OBL	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Utricularia vulgaris</i>	Common Bladderwort	OBL	S5	May – October 2019; May – October 2020
<i>Vaccinium angustifolium</i>	Late Low-bush Blueberry	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Vaccinium macrocarpon</i>	Large Cranberry	FACW+	S5	June 22-23, 2015; June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Vaccinium myrtilloides</i>	Velvet-leaved Blueberry	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Vaccinium oxycoccos</i>	Small Cranberry	OBL	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Vaccinium vitis-idaea ssp. minus</i>	Mountain Cranberry	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Veronica officinalis</i>	Common Speedwell	FACU	S5	June 17, 22, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Viburnum lantanoides</i>	Hobblebush	FAC	S5	June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Viburnum nudum</i>	Northern Wild Raisin	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Viola cucullata</i>	Marsh Blue Violet	FAC	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Viola lanceolata</i>	Lance-leaf Violet	OBL	S5	June 22-23, 2015
<i>Viola macloskeyi</i>	Small White Violet	FACW	S5	June 22-23, July 15-24, August 18-20, September 1-8, 2015 June 8-15, 20-23, 27-29, July 4-7, 12, 13, 18-20, 2016;
<i>Viola renifolia</i>	Kidney-leaved White Violet	FAC	S4	June 17, 22, July 15-24, August 18-20, September 1-8, 2015

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
Uncommon or Priority Species				
<i>Agalinis neoscotica</i>	Nova Scotia Agalinis	FACW	S3S4	August 22, 30, 2019
<i>Carex wiegandii</i>	Wiegand's Sedge	OBL	S3	August 19, 21, September 1, 2015; July 6, 2016
<i>Goodyera repens</i>	Dwarf Rattlesnake Plantain	FAC	S3	September 7-14, 2015
<i>Neottia bifolia</i>	Southern Twayblade	OBL	S3	June 22, 23, 2015
<i>Polypodium apalachianum</i>	Appalachian Polypody	UPL	S3	July 6, 2016
<i>Vaccinium corymbosum</i>	High-bush Blueberry	FACW+	S3S4	July 24, 2016
<i>Carex buxbaumii</i>	<i>Carex buxbaumii</i>	OBL	S4	June 22, 23, 2015
Buxsbaum's Sedge	Buxsbaum's Sedge	OBL	S5	June 22, 23, 2015
Lichen ³				
Common Species ²				
<i>Cladonia stellaris</i>	Star-tipped reindeer lichen	-	S5	May 3-8, 2015; May 25, 26, 2016; September 14-21;2018; July 10, 18, 19, August 22, 2019;
<i>Cladonia rangiferina</i>	Gray reindeer lichen	-	S5	May 3-8, 2015; May 25, 26, 2016; September 14-21;2018; July 10, 18, 19, August 22, 2019;
<i>Cladonia cristatella</i>	British soldiers	-	S5	May 3-8, 2015; May 25, 26, 2016; September 14-21;2018; July 10, 18, 19, August 22, 2019;
<i>Collema subflaccidum</i>	Jelly lichen	-	S5	February 19, May 3, 4, 5, 8, 2015 May 3-8, 2015; May 25, 26, 2016; September 14-21;2018; July 10, 18, 19, August 22, 2019;
<i>Diabaeis baemoyces</i>	Pink-earth lichen	-	S5	May 3-8, 2015; May 25, 26, 2016; September 14-21;2018; July 10, 18, 19, August 22, 2019;
<i>Leptogium cyanescens</i>	Blue jellyskin lichen	-	S5	February 19, May 3-8, 2015;

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
				May 25, 26, 2016; September 14-21, 2018; July 10, 18, 19, August 22, 2019;
<i>Lobaria pulmonaria</i>	Lungwort lichen	-	S5	May 3-8, 2015; May 25, 26, 2016; September 14-21;2018; July 10, 18, 19, August 22, 2019;
<i>Lobaria scrobiculata</i>	Textured lungwort	-	S5	May 3-8, 2015; May 25, 26, 2016; September 14-21;2018; July 10, 18, 19, August 22, 2019;
<i>Lobaria quercizans</i>	Smooth lungwort	-	S5	May 3-8, 2015; May 25, 26, 2016; September 14-21;2018; July 10, 18, 19, August 22, 2019;
<i>Leptogium cyanescens</i>	Blue jellyskin lichen	-	S5	May 3-8, 2015; May 25, 26, 2016; September 14-21;2018; July 10, 18, 19, August 22, 2019;
<i>Platismatia tuckermanii</i>	Crumpled rag lichen	-	S5	May 3-8, 2015; May 25, 26, 2016; September 19-21, 2018; July 10, 18, 19, August 22, 2019;
<i>Pseudocyphellaria perpetua</i>	Yellow specklebelly	-	S5	May 3-8, 2015; May 25, 26, 2016; September 14-21;2018; July 10, 18, 19, August 22, 2019;
Uncommon or Priority Species				
<i>Ahtiana aurescens</i>	Eastern candlewax lichen	-	S2S3	September 18, 2018
<i>Collema nigrescens</i>	Blistered tarpaper lichen	-	S3	May 5, 2015
<i>Coccocarpia palmicola</i>	Salted shell lichen	-	S3S4	February 19, May 2, 4, 8, 23, 2015; September 14, 18, 19, 2018; July 10, 18, 19, August 22, 2019; August 26, 2020
<i>Erioderma pedicellatum</i>	Boreal felt lichen	-	S1	May 8, 2015
<i>Heterodermia neglecta</i>	Fringe lichen	-	S3S4	September 19, October 29, 2018

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
<i>Heterodermia speciosa</i>	Powdered fringe lichen	-	S3	September 19, October 29, 2018
<i>Hypogymnia vittata</i>	Slender monk's hood lichen	-	S3S4	September 14, 18, 19, 2018; July 18, 19, August 22, 30 2019
<i>Leptogium corticola</i>	Blistered jellyskin lichen	-	S3	May 2, 3, 4, 5, 2015; September 19, 2018; August 26, 2020
<i>Pectenia plumbea</i>	Blue felt lichen	-	S3	February 19, May 2, 3, 4, 5, 23, 25, 26, 2015; May 25, 26, 2016; December 22, 2017; September 18, 19, October 29, 2018; July 18, 19, 2019
<i>Sclerophora peronella</i>	Frosted glass-whiskers lichen	-	S1?	February 19, May 2, 4, 2015; September 19, October 29, 2018
<i>Sticta fuliginosa</i>	Peppered moon lichen	-	S3	February 19, May 2, 3, 4, 8, 2015
Avifauna				
Common Species ²				
<i>Accipiter striatus</i>	Sharp-shinned hawk	-	S5	May 18, 2016
<i>Agelaius phoeniceus</i>	Red-winged blackbird	-	S4B	May 8, 17, 24, June 4, 2015;
<i>Aix sponsa</i>	Wood duck	-	S5B	September 29, 2014; May 8, 2015; May 15, 2016
<i>Anas platyrhynchos</i>	Mallard	-	S5B	September 17, 2014
<i>Anas rubripes</i>	American black duck	-	S5	September 29, 2014; May 17, 2015; May 12, 20, June 13, 2016;
<i>Aythya collaris</i>	Ring-necked duck	-	S5B	September 17, 2014; May 8, 17, 2015;
<i>Bombycilla cedrorum</i>	Cedar waxwing	-	S5B	September 17, October 7, 2014; June 13, 25, 26, 2016;
<i>Bonasa umbellus</i>	Ruffed grouse	-	S5	September 18, 29, October 6, 2014; May 1, 8, 17, 24, June 4, 8, 11, 25, 2015; May 12, 13, 15, 18, 19, 25, 26, 27, June 13, 16, 28, 2016
<i>Branta canadensis</i>	Canada goose	-	S4N	June 25, 2015; May 13, 19, 2016
<i>Bubo virginianus</i>	Great horned owl	-	S4	May 19, 26, 2016
<i>Buteo jamaicensis</i>	Red-tailed hawk	-	S5	June 17, 25, 28, 2016;

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
<i>Catharus guttatus</i>	Hermit thrush	-	S5B	September 17, 29, October 6, 7, 18, 19, 2014; May 1, 8, 17, 24, June 4, 11, 25, 26, 2015; May 12, 13, 15, 18, 19, 20, 25, 26, 27, June 13, 17, 25, 28, 2016; July 3, 13, 2019;
<i>Certhia Americana</i>	Brown creeper	-	S5	May 12, 15, 18,, June 16, 17,25, 26, 2016
<i>Colaptes auratus</i>	Northern flicker	-	S5B	September 17, 18, 2014; April 21, May 1, 8, 17, 24, June 4, 8, 11, 25, 26, 2015; May 12, 13, 15, 18, 19, 20, 25, 26, June 13, 16, 25, 26, 2016; July 3, 13, 2019;
<i>Corvus brachyrhynchos</i>	American crow	-	S5	September 17, 2014; April 21, May 17, 2015; May 12, 13, 19, 26, June 13, 14, 16, 17, 25, 26, 2016; July 3, 13, 2019;
<i>Corvus corax</i>	Common raven	-	S5	September 17, 19, 30, October 6, 2014; May 1, 17, 2015; May 12, 13, 15, 18, 19, 20, 26, 27, June 16, 17, 25, 2016;
<i>Cyanocitta cristata</i>	Blue jay	-	S5	September 17, 18, October 18, 2014; June 26, 2015; May 12, 15, 18, 19, 20, 26, June 13, 16, 25, 26, 2016; July 3, 13, 2019;
<i>Dryocopus pileatus</i>	Pileated woodpecker	-	S5	September 17, 2014; May 1, 8, 2015; May 13, 15, 19, 20, 25, 26, 27, June 13, 26, 2016
<i>Empidonax alnorum</i>	Alder flycatcher	-	S5B	June 4, 8, 25, 2015; May 25, June 13, 14, 16, 17, 25, 26, 2016; July 3, 13, 2019;
<i>Empidonax minimus</i>	Least flycatcher	-	S4S5B	May 17, 24, June 4, 8, 9, 25, 26, 2015; May 19, 26, June 13, 14, 25, 26, 2016; July 3, 2019;
<i>Falcipennis canadensis</i>	Spruce grouse	-	S4	October 18, 2014; May 17, 24, June 8, 2015; May 13, 15, 19, 27, 2016; July 13, 2019;
<i>Gavia immer</i>	Common loon	-	S4B, S4N	May 1, 8, 17, June 9, 26, 2015; May 12, 13, 15, 18, 19, 20, 25, 26, 27, June 16, 17, 26, 2016;
<i>Geothlypis philadelphia</i>	Mourning warbler	-	S4B	June 25, 26, 2016
<i>Geothlypis trichas</i>	Common yellowthroat	-	S5B	September 17, 18, 24, 2014;

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
				May 17, 24, June 4, 8, 11, 25, 26, 2015; May 15, 18, 19, 20, 25, 26, 27, June 13, 14, 16, 17, 25, 26, 28, 2016; July 13, 2019;
<i>Junco hyemalis</i>	Dark-eyed junco	-	S4S5	September 17, 18, 30, October 6, 7, 18, 19, 2014; April 21, May 1, 8, 17, 24, June 4, 25, 26, 2015; May 12, 13, 15, 18, 19, 20, 25, 26, 27, June 13, 14, 16, 17, 18, 25, 26, 28, 2016; July 3, 13, 2019;
<i>Lophodytes cucullatus</i>	Hooded merganser	-	S5B	May 17, June 26, 2015
<i>Loxia leucoptera</i>	White-winged crossbill	-	S4S5	May 12, 18, 20, June 16, 2016;
<i>Megaceryle alcyon</i>	Belted kingfisher	-	S5B	September 17, 2014; May 24, June 4, 16, 25, 26, 2015;
<i>Melospiza georgiana</i>	Swamp sparrow	-	S5B	September 29, 30, October 7, 2014; June 4, 8, 26, 2015; May 12, 13, 18, 19, 20, 25, 26, 27, June 14, 25, 2016; July 3, 13, 2019;
<i>Melospiza lincolni</i>	Lincoln's sparrow	-	S4B	May 24, June 4, 11, 2015; May 13, 15, 18, 19, 20, 25, 26, 27, June 13, 26, 2016; July 13, 2019;
<i>Melospiza melodia</i>	Song sparrow	-	S5B	September 29, October 7, 2014; April 21, May 1, 8, 17, June 8, 25, 2015; May 13, 19, June 16, 2016;
<i>Mniotilta varia</i>	Black-and-white warbler	-	S5B	May 17, 24, June 4, 8, 11, 25, 26, 2015; May 12, 13, 15, 18, 19, 20, 25, 26, 27, June 13, 16, 17, 25, 26, 28, 2016; July 3, 13, 2019;
<i>Oreothlypis ruficapilla</i>	Nashville warbler	-	S4S5B	May 17, June 8, 11, 26, 2015; May 18, 19, 20, 25, 26, 27, 2016
<i>Parkesia noveboracensis</i>	Northern waterthrush	-	S4B	June 4, 8, 11, 2015; May 12, 13, 15, 18, 19, 20, 25, 27, June 16, 2016; July 3, 2019;
<i>Passerculus sandwichensis</i>	Savannah sparrow	-	S4S5B	June 11, 2015; May 19, 26, 2016;
<i>Dryobates pubescens</i>	Downy woodpecker	-	S5	October 7, 2014; May 17, 2015; June 14, 16, 2016;
<i>Dryobates villosus</i>	Hairy woodpecker	-	S5	September 17, October 6, 7, 2014; May 24, 2015;

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
				May 12, 13, 18, 19, 20, 25, 26, June 16, 17, 26, 2016;
<i>Poecile atricapillus</i>	Black-capped chickadee	-	S5	September 17, 18, 29, 30, October 6, 7, 18, 19, 2014; April 21, May 8, 17, 24, June 4, 8, 25, 26, 2015; May 12, 13, 15, 18, 19, 20, 25, 26, 27, June 13, 14, 16, 17, 25, 26, 2016; July 3, 2019;
<i>Quiscalus quiscula</i>	Common grackle	-	S5B	September 17, 29, 2014; April 21, May 1, 8, 17, 24, June 3, 4, 8, 11, 25, 26, 2015; May 12, 13, 15, 18, 19, 20, 25, 26, 27, June 13, 16, 26, 2016;
<i>Regulus satrapa</i>	Golden-crowned kinglet	-	S5	September 29, 30, October 6, 7, 18, 19, 2014; May 1, 8, 17, 24, June 4, 8, 25, 2015; May 12, 13, 15, 18, 19, 20, 25, 26, 27, June 13, 14, 25, 26, 28, 2016;
<i>Sayornis phoebe</i>	Eastern phoebe	-	S4B	June 11, 25, 2015;
<i>Seiurus aurocapilla</i>	Ovenbird	-	S5B	June 25, 2015; May 13, 15, 18, 19, 20, 25, 26, 27, June 13, 14, 16, 25, 26, 28, 2016; July 3, 13, 2019;
<i>Setophaga americana</i>	Northern parula	-	S5B	June 4, 8 2015; May 18, 19, 20, 25, 26, 27, June 13, 14, 16, 25, 26, 2016;
<i>Setophaga caerulescens</i>	Black-throated blue warbler	-	S5B	May 15, 19, June 13, 16, 2016; July 3, 2019;
<i>Setophaga coronata</i>	Yellow-rumped warbler	-	S5B	September 29, 30, 2014; May 8, 17, 24, June 8, 9, 25, 26, 2015; May 12, 13, 15, 18, 19, 20, 25, 26, 27, June 13, 14, 16, 17, 25, 26, 28, 2016;
<i>Setophaga fusca</i>	Blackburnian warbler	-	S4B	May 26, June 13, 16, 25, 26, 2016;
<i>Setophaga magnolia</i>	Magnolia warbler	-	S5B	May 17, 24, June 4, 8, 9, 11, 25, 26, 2015; May 12, 13, 15, 18, 19, 20, 25, 26, 27, June 13, 14, 16, 17, 18, 25, 26, 28, 2016; July 3, 13, 2019;
<i>Setophaga palmarum</i>	Palm warbler	-	S5B	September 29, 30, October 6, 7, 18, 19, 2014; May 17, 24, June 4, 8, 11, 25, 26, 2015; May 12, 13, 15, 18, 19, 20, 25, 26, 27, June 13, 14, 16, 17, 25, 26, 28, 2016; July 13, 2019;
<i>Setophaga pensylvanica</i>	Chestnut-sided warbler	-	S5B	June 4, 2015; June 14, 16, 17, 25, 26, 2016; July 3, 13, 2019;
<i>Setophaga petechia</i>	Yellow warbler	-	S5B	September 17, 18, 2014; June 4, 9, 25, 2015; May 19, June 14, 17, 25, 26, 28, 2016;

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
				July 3, 2019;
<i>Setophaga ruticilla</i>	American redstart	-	S4S5B	May 24, June 8, 9, 11, 25, 26, 2015; May 15, 18, 20, 25, 26, 27, June 13, 16, 25, 26, 2016; July 3, 13, 2019;
<i>Setophaga virens</i>	Black-throated green warbler	-	S5B	May 17, 24, June 4, 8, 9, 11, 25, 26, 2015; May 12, 13, 15, 18, 19, 20, 25, 26, 27, June 13, 14, 16, 17, 25, 26, 28, 2016; July 3, 13, 2019;
<i>Sphyrapicus varius</i>	Yellow-bellied sapsucker	-	S4S5B	May 17, June 2, 2015; June 16, 26, 2016;
<i>Spinus tristis</i>	American goldfinch	-	S5	September 29, 2014; May 17, 24, June 4, 8, 25, 2015; May 12, 13, 15, 18, 19, 20, 25, 26, June 13, 16, 17, 25, 26, 2016; July 3, 2019;
<i>Spizella passerina</i>	Chipping sparrow	-	S4B	June 4, 25, 2015; June 16, 25, 28, 2016; July 3, 2019;
<i>Strix varia</i>	Barred owl	-	S5	June 26, 2016;
<i>Sturnus vulgaris</i>	European starling	-	SNA	June 13, 2016;
<i>Tachycineta bicolor</i>	Tree swallow	-	S4B	May 8, 17, 24, June 4, 8, 25, 2015; May 15, 18, 19, 20, 25, 26, 27, June 13, 16, 26, 2016;
<i>Troglodytes hiemalis</i>	Winter wren	-	S5B	May 1, 17, 24, June 4, 8, 26, 2015; May 12, 13, 15, 18, 19, 20, 25, 26, 27, June 13, 16, 17, 25, 26, 28, 2016; July 3, 13, 2019;
<i>Vireo olivaceus</i>	Red-eyed vireo	-	S5B	June 4, 8, 9, 11, 25, 26, 2015; June 13, 14, 16, 17, 25, 26, 28, 2016; July 13, 2019;
<i>Vireo solitarius</i>	Blue-headed vireo	-	S5B	September 17, October 6, 2014; May 17, June 4, 25, 2015; May 12, 13, 15, 18, 19, 20, 25, 26, 27, June 13, 14, 16, 17, 25, 26, 28, 2016; July 3, 13, 2019;
<i>Zenaida macroura</i>	Mourning dove	-	S5	September 17, 2014; May 12, 15, 27, June 25, 26, 2016;
<i>Zonotrichia albicollis</i>	White-throated sparrow	-	S5B	September 29, October 6, 7, 2014; May 1, 8, 17, 24, June 4, 8, 11, 25, 26, 2015; May 12, 13, 15, 18, 19, 20, 25, 26, 27, June 13, 14, 16, 17, 25, 26, 28, 2016; July 3, 13, 2019'
Uncommon or Priority Species				

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
<i>Accipiter gentilis</i>	Northern goshawk	-	S3S4	May 25, 2016
<i>Actitis macularius</i>	Spotted sandpiper	-	S3S4B	June 4, 2015
<i>Bucphala clangula</i>	Common goldeneye	-	S2B, S5N	May 25, 2016
<i>Cardellina canadensis</i>	Canada warbler	-	S3B	June 8, 26, 2015; May 25, 26, 27, June 16, 25, 2016
<i>Catharus ustulatus</i>	Swainson's thrush	-	S3S4B	June 4, 8, 9, 11, 25 2015; May 15, 18, 19, 20, 25, 26, 27, June 13, 14, 16, 25, 26, 28, 2016; July 13, 2019
<i>Chaetura pelagica</i>	Chimney swift	-	S2BS1M	June 11, 2015
<i>Chordeiles minor</i>	Common nighthawk	-	S2B	June 25, 26, 2016
<i>Circus hudsonius</i>	Northern harrier	-	S3S4B	April 15, 2015; June 28, 2016
<i>Coccothraustes vespertinus</i>	Evening grosbeak	-	S3S4B, S3N	May 18, 2016
<i>Contopus cooperi</i>	Olive-sided flycatcher	-	S2B	June 16, 25, 26, 2016
<i>Contopus virens</i>	Eastern wood-pewee	-	S3S4B	August 10, 2016
<i>Dumetella carolinensis</i>	Gray catbird	-	S3B	June 25, 2016
<i>Euphagus carolinus</i>	Rusty blackbird	-	S2B	September 29, 2014
<i>Empidonax flaviventris</i>	Yellow-bellied flycatcher	-	S3S4B	June 4, 11, 25, 2015; May 15, 19, 20, 25, 26, 27, June 16, 17, 26, 28, 2016; July 13, 2019
<i>Falco peregrinus</i>	Peregrine falcon	-	S1B, SNAM	September 29, October 19, 2014
<i>Falco sparverius</i>	American kestrel	-	S3B	April 15, 2015; May 13, 15, 2016
<i>Fulica Americana</i>	American coot	-	S1B	May 12, 2016
<i>Gallinago delicata</i>	Wilson's snipe	-	S3B	May 8, 17, 24, June 4, 25 2015; May 13, 18, 19, 25, 2016; July 13, 2019
<i>Haemorhous purpureus</i>	Purple finch	-	S4S5B, S3S4N	September 29, 30, October 6, 7, 18, 19, 2014; May 12, 13, 15, 19, 20, 26, 27, June 13, 26, 2016
<i>Haliaeetus leucocephalus</i>	Bald Eagle	-	S5	April 15, 2015
<i>Hirundo rustica</i>	Barn Swallow	-	S2S3B	May 12, 2016

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
<i>Loxia curvirostra</i>	Red crossbill	-	S3S4	October 18, 2014; May 18, 2016
<i>Molothrus ater</i>	Brown-headed cowbird	-	S2B	May 1, 2015
<i>Oreothlypis peregrina</i>	Tennessee warbler	-	S3S4B	June 8, 2015
<i>Perisoreus canadensis</i>	Canada jay	-	S3	September 17, 29, 30, October 6, 7, 18, 19, 2014; June 26, 2015; May 13, 15, 18, 19, 20, 25, 27, 2016
<i>Picoides arcticus</i>	Black-backed woodpecker	-	S3S4	May 15, 19, June 16, 17, 28, 2016
<i>Pinicola enucleator</i>	Pine grosbeak	-	S2S3B, S5N	April 26, 2016
<i>Poecile hudsonicus</i>	Boreal chickadee	-	S3	September 29, 30, October 6, 7, 18, 2014; May 8, 24, 2015; May 12, 13, 2016; July 10, 13, August 30, 2019
<i>Regulus calendula</i>	Ruby-crowned kinglet	-	S3S4B	September 29, 30, October 7, 2014; May 1, 8, 17, 24, June 4, 8, 9, 11, 25, 26, 2015; May 8, 12, 13, 18, 19, 20, 25, 26, 27, June 13, 14, 16, 17, 25, 26, 28, 2016; August 30, 2019
<i>Setophaga castanea</i>	Bay-breasted warbler	-	S3S4B	May 15, 18, 20, 25, 26, 27, June 16, 2016; July 3, 2019
<i>Setophaga striata</i>	Blackpoll warbler	-	S3S4B	September 29, 30, October 6, 7, 2014; May 27, June 16, 25, 26 2016
<i>Sitta canadensis</i>	Red-breasted nuthatch	-	S3	September 30, 2014; May 24, 2015; May 12, 13, 18, 19, 20, 26, 27, June 14, 16, 17, 25, 26, 28, 2016
<i>Spinus pinus</i>	Pine siskin	-	S2S3	September 30, October 6, 7, 18, 19, 2014; May 18, 2016
<i>Tringa melanoleuca</i>	Greater yellowlegs	-	S3B, S3S4M	May 8, 24, June 4, 8 2015; May 18, 25, June 13, 25, 2016; July 3, 2019
<i>Turdus migratorius</i>	American robin	-	S5B, S3N	September 17, 18, 29, 30, October 6, 7, 18, 19, 2014; May 1, 8, 24, June 4, 8, 25, 26 2015; May 8, 12, 13, 18, 19, 20, 25, 26, 27, June 13, 14, 16, 17, 25, 26, 2016; June 19, 2018 July 3, 13, 2019
Mammals				

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
Common Species ²				
<i>Canis latrans</i>	Coyote	-	S5	March 2, April 26, 2016; Multiple survey years; incidental
<i>Castor canadensis</i>	American beaver	-	S5	Multiple survey years; incidental
<i>Erethizon dorsatum</i>	American porcupine	-	S5	March 2, April 26, 2016; Multiple survey years; incidental
<i>Lepus americanus</i>	Snowshoe hare	-	S5	May 24, 2015; March 2, April 26, 2016; Multiple survey years; incidental
<i>Odocoileus virginianus</i>	White-tailed deer	-	S5	March 2, 31, 2016; Multiple survey years; incidental
<i>Procyon lotor</i>	Raccoon	-	S5	Multiple survey years; incidental
<i>Tamias striatus</i>	Eastern chipmunk	-	S5	Multiple survey years; incidental
<i>Tamiasciurus hudsonicus</i>	American red squirrel	-	S5	March 2, April 26, 2016; Multiple survey years; incidental
<i>Ursus americanus</i>	American black bear	-	S5	May 24, 2015; Multiple survey years; incidental
Uncommon or Priority Species				
<i>Alces americana</i>	Mainland moose	-	S1	Tracks observed: September 9, 2014; May 24, 2015
Reptiles and Amphibians				
Common Species ²				
<i>Anaxyrus americanus americanus</i>	Eastern American toad	-	S5	Multiple survey years; incidental
<i>Lithobates catesbeiana</i>	American bullfrog	-	S5	Multiple survey years; incidental
<i>Lithobates clamitans</i>	Green frog	-	S5	Multiple survey years; incidental
<i>Lithobates pipiens</i>	Northern leopard frog	-	S5	Multiple survey years; incidental
<i>Lithobates sylvatica</i>	Wood frog	-	S5	Multiple survey years; incidental
<i>Notophthalmus viridescens viridescens</i>	Red-spotted newt	-	S5	Multiple survey years; incidental
<i>Opheodrys vernalis</i>	Smooth greensnake	-	S4	Multiple survey years; incidental
<i>Plethodon cinereus</i>	Red-backed salamander	-	S5	Multiple survey years; incidental
<i>Pseudacris crucifer</i>	Spring peeper	-	S5	Multiple survey years; incidental
<i>Thamnophis sirtalis pallidulus</i>	Maritime garter snake	-	S5	Multiple survey years; incidental
<i>Lithobates clamitans</i>	Green frog	-	S5	Multiple survey years; incidental
Uncommon or Priority Species				
<i>Chelydra serpentina</i>	Snapping turtle	-	S3	June 26, 2016;

Master Species List – Beaver Dam Mine Project

Scientific Name	Common Name	Indicator Status ¹	S-Rank	Observation Date
				June 19 – July, 2017; June 27, July 9, 2019
Fish⁴				
Common Species ²				
<i>Ameiurus nebulosus</i>	Brown bullhead	-	S5	June 24, 27, 2016, June 10, 16, July 6, 7, August 26, 27, September 18, 2020
<i>Catostomus commersonii</i>	White sucker	-	S5	June 22, 23, 24, 2016; June 11, 16, July 8, August 26, 27, 2020
<i>Couesius plumbeus</i>	Lake chub	-	S5	June 22, 23, 2016; June 10, 11, July 6, 8, August 25, 26, September 18, 2020
<i>Fundulus diaphanus</i>	Banded killifish	-	S5	September 18, 2015; June 22, 23, 27, 2016; June 10, 11, 16, July 6, 7, 8, August 26, 27, 2020
<i>Perca flavescens</i>	Yellow perch	-	S5	June 22, 24, 2016; June 11, 16, July 8, August 26, 27, 2020
<i>Phoxinus eos</i>	Northern redbelly dace	-	S5	September 17, 18, 2015
<i>Pungitius pungitius</i>	Ninespine stickleback	-	S5	September 17, 2015; June 9, 10, 15, 16, July 6, 7, August 26, September 30, 2020
<i>Notemigonus crysoleucas</i>	Golden shiner	-	S4	June 23, 24, 27, 2016; June 10, 11, 16, July 6, 7, 8, August 26, 27, 2020
<i>Semotilus atromaculatus</i>	Creek chub	-	S5	July 6, 8, 2020
Uncommon or Priority Species				
<i>Anguilla rostrata</i>	American eel	-	S2	June 22, 23 2016; June 11, 16, July 6, 8, August 26 2020
<i>Salmo salar</i>	Atlantic salmon (Nova Scotia Southern Upland population)	-	S1	July 8, 2020
<i>Salvelinus fontinalis</i>	Brook trout	-	S3	September 17, 18 2015; June 22, 23 2016; April 23, May 15, 19, 20, 21, June 9, 10, 11, 16, 17, July 3, 6, 7, 9, August 21, 25, 26, 27, September 18, 2020

¹ Only applicable to vascular flora.

² These species were commonly observed through the PA. In addition to the dates listed, these species were observed during multiple surveys types and times during multiple survey years, including incidental observations.

³ Lichen species observed within the LSA and Haul Road.

⁴ Fish species observed within the specified study area, which extends beyond the PA.

Note: Species names in red are Priority Species.

Master Species List – Beaver Dam Mine Project

Note: Observations that could not be identified to the species level have not been included in this list.