

# **APPENDIX 12-I**

## **Natural Environments Existing Conditions Technical Report**

**Appendix B1: Supplemental Information Tables - Vegetation**

**Appendix B2: Supplemental Information Tables - Wetlands**

Appendix B:  
Supplementary Information Tables

## Appendix B1: Vegetation

Table B1-1: Ecosites within the Local Study Area and Project Study Area, Identified Through FRI and Ecosite Data Obtained From the MNR

ECOSITE CODE <sup>1</sup>	ECOSITE NAME	NO. OF POLYGONS IN THE LSA <sup>2</sup>	NO. OF POLYGONS IN THE PSA <sup>3</sup>	NO. OF POLYGONS IN THE PSA PROPOSED TO BE GROUND-TRUTHED <sup>4</sup>	AREA WITHIN LSA (HA) <sup>5</sup>	AREA WITHIN PSA (HA) <sup>6</sup>	10% OF AREA WITHIN PSA (HA) <sup>7</sup>	AREA SELECTED FOR SURVEYS WITHIN PSA (HA) <sup>8</sup>
FRI DATA IN THE MARATHON AREA								
Unknown*	No data	85	23	n/a	201.25	13.25	n/a	13.25
B001X	Excavated Bluff	2	0	0	0.04	0.00	0.00	0.00
B003N	Open Bluff	1	0	0	0.59	0.00	0.00	0.00
B004TI	Bluff	1	0	0	1.22	0.00	0.00	0.00
B005X	Active Mineral Shoreline	2	0	0	2.60	0.00	0.00	0.00
B007X <sup>+</sup>	Active Mineral Barren	7	3	0	116.54	20.36	2.04	0.00
B010S <sup>+</sup>	Very Shallow, Dry to Fresh: Shrub	3	1	1	8.73	3.12	0.31	3.12
B012TI	Very Shallow, Dry to Fresh: Pine - Black Spruce Conifer	12	8	0	175.73	17.97	1.80	0.00
B012Tt	Very Shallow, Dry to Fresh: Pine - Black Spruce Conifer	76	31	4	836.96	84.91	8.49	24.75
B014TI	Very Shallow, Dry to Fresh: Conifer	2	1	1	23.31	0.01	0.00	0.01
B014Tt	Very Shallow, Dry to Fresh: Conifer	15	3	3	156.88	15.78	1.58	10.80
B016TI	Very Shallow, Dry to Fresh: Aspen - Birch Hardwood	16	8	0	212.19	11.15	1.12	0.00
B016Tt	Very Shallow, Dry to Fresh: Aspen - Birch Hardwood	87	38	2	1230.58	112.48	11.25	1.75
B024TI	Very Shallow, Moist: Pine - Black Spruce Conifer	1	1	0	14.46	5.34	0.53	0.00
B024Tt	Very Shallow, Moist: Pine - Black Spruce Conifer	2	2	1	75.54	17.98	1.80	12.13
B033Tt	Dry, Sandy: Red Pine-White Pine Conifer	1	0	0	2.65	0.00	0.00	0.00
B034TI	Dry, Sandy: Jack Pine – Black Spruce Dominated	1	1	0	9.49	0.11	0.01	0.00
B034Tt	Dry, Sandy: Jack Pine – Black Spruce Dominated	2	1	0	24.79	0.10	0.01	0.00
B035Tt	Dry, Sandy: Pine - Black Spruce Conifer	2	1	1	16.54	7.83	0.78	7.83
B037TI	Dry, Sandy: Spruce - Fir Conifer	1	1	0	25.22	10.16	1.02	0.00
B037Tt	Dry, Sandy: Spruce - Fir Conifer	1	1	0	28.07	0.69	0.07	0.00
B040TI	Dry, Sandy: Aspen – Birch Hardwood	2	1	1	49.50	12.32	1.23	12.32
B040Tt	Dry, Sandy: Aspen – Birch Hardwood	8	4	0	246.30	14.27	1.43	0.00
B047S <sup>+</sup>	Dry to Fresh, Coarse: Shrub	5	1	0	13.28	0.02	0.00	0.00
B048Tt	Dry to Fresh, Coarse: Red Pine-White Pine Conifer	1	0	0	1.80	0.00	0.00	0.00
B049TI	Dry to Fresh, Coarse: Jack Pine - Black Spruce Dominated	13	4	1	114.16	4.19	0.42	4.15
B049Tt	Dry to Fresh, Coarse: Jack Pine - Black Spruce Dominated	75	39	10	939.75	130.61	13.06	54.57
B050TI	Dry to Fresh, Coarse: Pine - Black Spruce Conifer	16	9	0	329.35	38.76	3.88	0.00
B050Tt	Dry to Fresh, Coarse: Pine - Black Spruce Conifer	155	76	0	2880.13	373.70	37.37	0.00
B052TI	Dry to Fresh, Coarse: Spruce - Fir Conifer	26	15	2	491.58	76.45	7.64	34.19
B052Tt	Dry to Fresh, Coarse: Spruce - Fir Conifer	34	19	2	869.87	119.46	11.95	36.69
B055TI	Dry to Fresh, Coarse: Aspen - Birch Hardwood	49	28	4	1152.73	177.89	17.79	24.29
B055Tt	Dry to Fresh, Coarse: Aspen - Birch Hardwood	355	189	18	7248.48	938.14	93.81	122.33
B063S <sup>+</sup>	Moist, Coarse: Shrub	11	4	3	40.56	4.63	0.46	4.55
B065TI	Moist, Coarse: Pine - Black Spruce Conifer	1	0	0	2.89	0.00	0.00	0.00
B065Tt <sup>+</sup>	Moist, Coarse: Pine - Black Spruce Conifer	82	37	17	1072.59	127.82	12.78	101.94
B066Tt	Moist, Coarse: Hemlock-Cedar Conifer	1	0	0	9.58	0.04	0.00	0.00
B067TI	Moist, Coarse: Spruce - Fir Conifer	3	0	0	21.11	0.00	0.00	0.00
B067Tt <sup>+</sup>	Moist, Coarse: Spruce - Fir Conifer	12	6	1	212.67	22.08	2.21	2.49
B068Tt	Moist, Coarse: Conifer	1	1	1	15.50	0.00	0.00	0.00
B070TI	Moist, Coarse: Aspen - Birch Hardwood	7	5	0	99.60	2.58	0.26	0.00
B070Tt	Moist, Coarse: Aspen - Birch Hardwood	66	32	3	726.87	114.65	11.47	19.14

ECOSITE CODE <sup>1</sup>	ECOSITE NAME	NO. OF POLYGONS IN THE LSA <sup>2</sup>	NO. OF POLYGONS IN THE PSA <sup>3</sup>	NO. OF POLYGONS IN THE PSA PROPOSED TO BE GROUND-TRUTHED <sup>4</sup>	AREA WITHIN LSA (HA) <sup>5</sup>	AREA WITHIN PSA (HA) <sup>6</sup>	10% OF AREA WITHIN PSA (HA) <sup>7</sup>	AREA SELECTED FOR SURVEYS WITHIN PSA (HA) <sup>8</sup>
B084Tt	Fresh, Clayey: Hemlock-Cedar Conifer	1	0	0	14.23	0.00	0.00	0.00
B096S	Fresh, Silty to Fine Loamy: Shrub	2	0	0	3.32	0.00	0.00	0.00
B099TI <sup>+</sup>	Fresh, Silty to Fine Loamy: Pine - Black Spruce Conifer	3	2	0	69.98	22.95	2.29	0.00
B099Tt <sup>+</sup>	Fresh, Silty to Fine Loamy: Pine - Black Spruce Conifer	11	5	0	167.02	28.14	2.81	0.00
B101Tt <sup>+</sup>	Fresh, Silty to Fine Loamy: Spruce - Fir Conifer	17	5	0	187.44	1.87	0.19	0.00
B104TI	Fresh, Silty to Fine Loamy: Aspen - Birch Hardwood	2	0	0	28.70	0.00	0.00	0.00
B104Tt	Fresh, Silty to Fine Loamy: Aspen - Birch Hardwood	52	27	3	1029.69	134.63	13.46	55.49
B114TI	Moist, Fine: Pine - Black Spruce Conifer	1	0	0	3.23	0.00	0.00	0.00
B114Tt <sup>+</sup>	Moist, Fine: Pine - Black Spruce Conifer	11	7	2	318.37	37.99	3.80	30.03
B116TI	Moist, Fine: Spruce - Fir Conifer	1	0	0	4.15	0.00	0.00	0.00
B116Tt <sup>+</sup>	Moist, Fine: Spruce - Fir Conifer	3	2	0	80.78	1.16	0.12	0.00
B119TI	Moist, Fine: Aspen - Birch Hardwood	1	0	0	25.87	0.00	0.00	0.00
B119Tt <sup>+</sup>	Moist, Fine: Aspen - Birch Hardwood	10	4	2	208.44	19.45	1.94	15.88
B127TI	Organic Poor Conifer Swamp	1	0	0	12.13	0.00	0.00	0.00
B127Tt	Organic Poor Conifer Swamp	2	1	0	35.55	8.69	0.87	0.00
B128TI	Organic Intermediate Conifer Swamp	6	1	0	45.22	2.64	0.26	0.00
B128Tt	Organic Intermediate Conifer Swamp	85	47	4	1430.83	205.01	20.50	26.57
B129Tt	Organic Rich Conifer Swamp	10	4	2	155.44	20.63	2.06	0.75
B133TI	Hardwood Swamp	1	0	0	0.09	0.00	0.00	0.00
B134S	Mineral Thicket Swamp	4	1	0	17.34	0.00	0.00	0.00
B135S <sup>+</sup>	Organic Thicket Swamp	31	14	5	143.49	17.99	1.80	7.18
B136TI <sup>+</sup>	Sparse Treed Fen	12	2	0	30.95	2.18	0.22	0.00
B136Tt <sup>+</sup>	Sparse Treed Fen	5	2	0	21.54	0.10	0.01	0.00
B138N	Open Bog	1	0	0	2.61	0.00	0.00	0.00
B139N	Poor Fen	2	0	0	1.82	0.00	0.00	0.00
B140N <sup>+</sup>	Open Moderately Rich Fen	9	5	1	14.89	2.95	0.29	0.17
B140S	Open Moderately Rich Fen	3	0	0	4.05	0.00	0.00	0.00
B142N	Mineral Meadow Marsh	68	14	3	203.03	17.94	1.79	2.79
B146N	Open Shore Fen	1	0	0	2.28	0.00	0.00	0.00
B158TI	Cliff	1	0	0	3.50	0.00	0.00	0.00
B159N	Open Cliff	2	0	0	1.28	0.00	0.00	0.00
B162N <sup>+</sup>	Open Bedrock Shoreline	2	1	0	3.40	0.39	0.04	0.00
B164S <sup>+</sup>	Rock Barren	5	2	1	30.57	3.27	0.33	2.73
B164TI <sup>+</sup>	Rock Barren	6	1	0	28.24	0.01	0.00	0.00
B164Tt <sup>+</sup>	Rock Barren	4	2	0	72.23	0.78	0.08	0.00
B165N	Open Rock Barren	3	0	0	15.98	0.00	0.00	0.00
B168N	Open Talus or Historic/Raised Beach	1	0	0	0.97	0.00	0.00	0.00
B171TI	Coarse Shoreline	1	0	0	1.35	0.00	0.00	0.00
B191X	Active Waste Disposal/Landfill	3	2	1	34.79	6.37	0.64	5.78
B197X	Pavement/Concrete	10	4	1	593.79	211.47	21.15	1.68
B200X	Other Materials	5	2	0	15.83	1.83	0.18	0.00
FRI DATA OUTSIDE OF THE MARATHON AREA								
Unknown*	No species composition data	486	192	n/a	6147.43	1033.67	n/a	1033.67
ES4 <sup>+</sup>	Cliff	4	2	2	22.71	10.10	1.01	10.10

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ES12	Black Spruce-Jack Pine: Very Shallow Soil	486	228	21	15332.01	2019.19	201.92	306.20
ES13 <sup>+</sup>	Jack Pine-Conifer: Dry-Moderately Fresh, Sandy Soil	9	2	1	208.06	5.95	0.60	5.09
ES14	Pine-Spruce Mixedwood: Sandy Soil	102	53	5	3551.55	427.73	42.77	88.01
ES16	Hardwood-Fir-Spruce Mixedwood: Sandy Soil	605	314	22	23255.54	3254.62	325.46	393.28
ES17 <sup>+</sup>	White Cedar: Fresh-Moist, Coarse-Fine Loamy Soil	16	9	5	475.65	93.89	9.39	59.11
ES19	Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse, Loamy Soil	454	267	24	19673.19	2931.16	293.11	446.71
ES20 <sup>+</sup>	Spruce-Pine/Feathermoss: Fresh, Sandy-Coarse Loamy Soil	21	8	3	588.22	62.26	6.23	50.56
ES21	Fir-Spruce Mixedwood: Fresh, Coarse Loamy Soil	256	133	14	7830.12	1193.29	119.33	214.92
ES22 <sup>+</sup>	Spruce-Pine/Ledum/Feathermoss: Moist, Sandy-Coarse Loamy Soil	28	11	11	704.92	72.15	7.22	72.03
ES23	Hardwood-Fir-Spruce Mixedwood: Moist, Sandy-Coarse Loamy Soil	37	24	0	2251.23	396.22	39.62	0.00
ES25 <sup>+</sup>	Pine-Spruce/Feathermoss: Fresh, Silty Soil	7	4	3	254.64	45.06	4.51	17.31
ES27 <sup>+</sup>	Fir-Spruce Mixedwood: Fresh, Silty-Fine Loamy Soil	11	2	1	343.59	23.01	2.30	0.61
ES28 <sup>+</sup>	Hardwood-Fir-Spruce Mixedwood: Fresh, Silty Soil	5	2	2	80.46	0.96	0.10	0.96
ES29	Hardwood-Fir-Spruce Mixedwood: Fresh, Fine Loamy-Clayey Soil	33	16	2	1197.34	237.32	23.73	56.50
ES32 <sup>+</sup>	Fir-Spruce Mixedwood: Moist-Silty-Clayey Soil	10	5	3	143.61	8.20	0.82	3.30
ES33 <sup>+</sup>	Hardwood-Fir-Spruce Mixedwood: Moist, Silty-Clayey Soil	15	6	6	371.90	54.04	5.40	54.04
ES35 <sup>+</sup>	Poor Swamp: Black Spruce: Organic Soil	8	5	5	257.77	41.85	4.19	41.85
ES36	Intermediate Swamp: Black Spruce (Tamarack): Organic Soil	83	44	2	2056.57	323.45	32.35	55.46
ES37 <sup>+</sup>	Rich Swamp: Cedar (Other Conifer): Organic Soil	67	27	17	1198.83	127.85	12.79	85.11
ES38	Rich Swamp: Black Ash (Other Hardwood): Organic-Mineral Soil	72	43	24	3507.28	545.76	54.58	213.45
ES40 <sup>+</sup>	Treed Fen: Tamarack-Black Spruce/Sphagnum: Organic Soil	4	1	1	49.90	0.57	0.06	0.57
ES44 <sup>+</sup>	Thicket Swamp: Organic-Mineral Soil	23	10	9	312.44	58.55	5.86	47.72
ES45 <sup>+</sup>	Shore Fen: Organic Soil	4	1	1	9.43	0.17	0.02	0.17
ES46 <sup>+</sup>	Meadow Marsh: Organic-Mineral Soil	28	12	12	239.59	13.24	1.32	13.24
ES47 <sup>+</sup>	Sheltered Marsh: Emergent: Sedimentary Peat Substrate	6	2	2	56.76	7.83	0.78	7.83
ES48 <sup>+</sup>	Exposed Marsh: Emergent: Mineral Substrate	4	1	1	12.73	1.00	0.10	1.00
ES7 <sup>+</sup>	Rock Barrens	10	1	1	126.09	1.08	0.11	1.08
<b>OVERALL<sup>9</sup></b>								
All Ecosites	n/a	4536	2176	303	115025.7	16217.46	1517.08	3927.13

\* = Ecosites that are unknown have no species composition data in the FRI tables. The majority of these polygons are waterbodies, roads and pavement, fields, or cultural areas.

<sup>+</sup> These Ecosites occupy 1% or less of the PSA. Where appropriate, MNR crosswalk tables were used to group together ecosites for the purposes of determining rarity in the PSA.

<sup>1</sup> Codes in the Marathon area are the new provincial codes, codes outside of the Marathon area are derived from the Terrestrial and Wetland Ecosites of Northwestern Ontario Field Guide

<sup>2</sup> The number of polygons for each ecosite with at least a portion falling within the Local Study Area

<sup>3</sup> The number of polygons for each ecosite with at least a portion falling within the Project Study Area

<sup>4</sup> This column indicates the number of polygons for each ecosite that were selected to be ground-truthed in the field (10% of the number of polygons in the PSA). If there were fewer than 10 polygons for a particular ecosite, at least one polygon was selected to be surveyed in the field.

<sup>5</sup> The area of each ecosite that falls entirely within the Local Study Area.

<sup>6</sup> The area of each ecosite that falls entirely within the Project Study Area.

<sup>7</sup> 10% of the area of each ecosite, within the Project Study Area.

<sup>8</sup> This column indicates the area of each ecosite that has actually been selected for field surveys. Our methodology assumed that by selecting 10% of the total number of polygons for each ecosite within the PSA, it would amount to greater than 10% of the total area of that ecosite within the PSA. This column verifies that this assumption was correct for most ecosites.

<sup>9</sup> Includes all ecosites both within and beyond the Marathon

Table B1-2: Summary of Surveyed Upland Ecosites

PROVINCIAL ECOSITE CODES (FIELD VERIFIED) <sup>1</sup>	ECOSITE CODES BACKGROUND REVIEW <sup>2</sup>	ECOSITE CODE CONVERSION REFERENCE <sup>3,4</sup>	GENERAL DESCRIPTION OF ECOSITE COMMUNITY
FORESTED ECOSITES			
B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	ES44 Thicket Swamp: Organic-Mineral Soil	B134, B135	This tall treed hardwood forest community is dominated by White Birch ( <i>Betula papyrifera</i> ), with occasional Balsam Fir ( <i>Abies balsamea</i> ) and Trembling Aspen ( <i>Populus tremuloides</i> ), with occurrences of Showy Mountain-ash ( <i>Sorbus decora</i> ) present in the sub-canopy. Shrub species present within the understory include Green Alder ( <i>Alnus viridis</i> ssp. <i>crispa</i> ) and Beaked Hazelnut ( <i>Corylus cornuta</i> ). The ground layer is primarily composed of Bunchberry ( <i>Cornus canadensis</i> ), Ground Pine ( <i>Lycopodium obscurum</i> ), Common Clubmoss ( <i>Lycopodium clavatum</i> ), Canada Mayflower ( <i>Maianthemum canadense</i> ), Goldthread ( <i>Coptis trifolia</i> ), Labrador Tea ( <i>Ledum groenlandicum</i> ) and Low Sweet Blueberry ( <i>Vaccinium angustifolium</i> ). A small rock barren inclusion was also present within this community.  The effective soil texture within this community consisted of a loamy coarse sand. The overall depth of the soil profile was deep (>120cm) with a fresh moisture regime.
B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	ES16 Hardwood-Fir-Spruce Mixedwood: Sandy Soil	B040, (B041, B042, B043)	Trembling Aspen and White Birch were co-dominant species within both the canopy and sub-canopy of this tall treed forest community. The understory contained abundant Green Alder, Mountain Maple ( <i>Acer spicatum</i> ) and Beaked Hazel. Groundcover was composed mainly of forbs consisting of Wild Sarsaparilla ( <i>Aralia nudicaulis</i> ), Large-leaved Aster ( <i>Eurybia macrophylla</i> ), Bluebead Lily ( <i>Clintonia borealis</i> ), Bush Honeysuckle ( <i>Diervilla lonicera</i> ) and Canada Mayflower.  The effective soil texture within this community consisted of a medium sandy loam. The overall depth of the soil profile was moderately deep (>60cm to ≤120cm) with a dry moisture regime.
B070Tt Moist, Coarse: Aspen-Birch Hardwood	ES46 Meadow Marsh: Organic-Mineral Soil	B142, B144 (B143)	This tall treed hardwood forest community is dominated by White Birch with rare occurrences of Balsam Fir and White Spruce ( <i>Picea glauca</i> ). In addition, Mountain Maple and Speckled Alder ( <i>Alnus incana</i> ) were also present within the understory in abundance. The ground layer is primarily composed of Swamp Black Currant ( <i>Ribes lacustre</i> ), Low Sweet Blueberry, Canada Mayflower, Dwarf Raspberry ( <i>Rubus pubescens</i> ), Fly Honeysuckle ( <i>Lonicera canadensis</i> ), Bush Honeysuckle, Pink Pyrola ( <i>Pyrola asarifolia</i> ) and Large-leaved Avens ( <i>Geum macrophyllum</i> ). A marsh and thicket swamp was located to the south of the community but the main area that will be impacted was the surveyed forest.  The effective soil texture within this community consisted of a loamy very fine sand. The overall depth of the soil profile was deep with a moist moisture regime.
B040TI Dry, Sandy: Aspen-Birch Hardwood	ES33 Hardwood-Fir-Spruce Mixedwood: Moist, Silty-Clayey Soil	B119, (B118, B120, B121, B122, B123, B124, B125)	This low treed hardwood forest community contains abundant White Birch with occasional occurrences of Trembling Aspen and White Spruce. Additional species present within the understory include Mountain Maple, Speckled Alder and American Mountain-ash ( <i>Sorbus americana</i> ). The ground layer is primarily composed of Bush Honeysuckle, Ground Pine, Large-leaved Aster ( <i>Eurybia macrophylla</i> ), Canada Mayflower, Starflower ( <i>Trientalis borealis</i> ) and Rose Twisted Stalk ( <i>Streptopus roseus</i> ).  The effective soil texture within this community consisted of a medium sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B052TI Dry to Fresh, Coarse: Spruce-Fir Conifer	Unknown/Cultural	---	This low treed coniferous forest community contains abundant White Spruce and Balsam Fir, with occasional occurrences of White Birch, Trembling Aspen and Showy Mountain-ash. Mountain Maple is the dominant species present in the understory. Groundcover was composed mainly of Common Clubmoss ( <i>Lycopodium clavatum</i> ), Large-leaved Aster, Common Oak Fern ( <i>Gymnocarpium dryopteris</i> ) and Starflower.  The effective soil texture within this community consisted of a loamy medium sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B055TI Dry to Fresh, Coarse: Aspen-Birch Hardwood	ES29 Hardwood-Fir-Spruce Mixedwood: Fresh, Fine Loamy-Clayey Soil	B088, B104, (B090, B091, B092, B106, B107, B108)	This low treed hardwood forest community is dominated by Trembling Aspen, with abundant White Birch and the occasional Balsam Fir. The understory consisted primarily of young Balsam Fir with occasional occurrences of Red-osier Dogwood ( <i>Cornus sericea</i> ). Species abundant in the ground layer include Bush Honeysuckle, Ground Pine and Canada Mayflower.  The effective soil texture within this community consisted of a sandy loam. The overall depth of the soil profile was moderately deep with a fresh moisture regime.
B067TI Moist, Coarse: Spruce-Fir Conifer	ES47 Sheltered Marsh: Emergent: Sedimentary Peat Substrate	B149	This low treed coniferous forest community is dominated by Balsam Fir, with occasional White Birch and Trembling Aspen. The understory also contained Pin Cherry and Red-osier Dogwood in addition to saplings of the above mentioned canopy species. Species found in the ground layer include Goldthread, Labrador Tea, Bunchberry, Crested Wood Fern ( <i>Dryopteris cristata</i> ), Skunk Currant ( <i>Ribes glandulosum</i> ) and Canada Mayflower. A marsh community was located to the north of the community but the main area impacted consisted of the surveyed forest.  The effective soil texture within this community consisted of a sandy clay. The overall depth of the soil profile was moderately deep with a moist moisture regime.



PROVINCIAL ECOSITE CODES (FIELD VERIFIED) <sup>1</sup>	ECOSITE CODES BACKGROUND REVIEW <sup>2</sup>	ECOSITE CODE CONVERSION REFERENCE <sup>3, 4</sup>	GENERAL DESCRIPTION OF ECOSITE COMMUNITY
B026Ti Very Shallow, Humid: Conifer	ES19 Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse Loamy Soil	B055, B056, B057, B058, B059	This low treed coniferous forest community contains abundant Balsam Fir and White Birch with occasional Black Spruce. Mountain Maple and young Balsam Fir are also present in the understory. Groundcover was composed mainly of Sensitive Fern ( <i>Onoclea sensibilis</i> ), Sheathed Sedge ( <i>Carex vaginata</i> ), Skunk Currant, Swamp Red Currant ( <i>Ribes triste</i> ), Dwarf Raspberry and Starflower.  The effective soil texture within this community consisted of a loamy coarse sand. The overall depth of the soil profile was shallow (>15cm to ≤30cm) with a humid moisture regime.
B055Ti Dry to Fresh, Coarse: Aspen-Birch Hardwood	ES19 Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse Loamy Soil	B055, B056, B057, B058, B059	This tall treed hardwood community is dominated by Trembling Aspen and Balsam Poplar ( <i>Populus balsamifera</i> ), with occasional occurrences of Balsam Fir and rare occurrences of Tamarack ( <i>Larix laricina</i> ). Understory vegetation consisted of Pussy Willow ( <i>Salix discolor</i> ), Choke Cherry ( <i>Prunus virginiana</i> ), Pin Cherry ( <i>Prunus pensylvanica</i> ), Woolly-headed Willow ( <i>Salix eriocephala</i> ), Green Alder and Bartram's Serviceberry ( <i>Amelanchier bartramiana</i> ). The ground layer is primarily composed of Bush Honeysuckle, Bluebead Lily, Bunchberry, Canada Mayflower and Wild Sarsaparilla.  The effective soil texture within this community consisted of a fine sand. The overall depth of the soil profile was shallow with a fresh moisture regime.
B053Tt Dry to Fresh, Coarse: Conifer	ES36 Intermediate Swamp: Black Spruce (Tamarack): Organic Soil	B128, B223, B129, B224, (B127, B222)	Black Spruce and Tamarack were the dominant species within this tall treed forest community with occasional occurrences of Balsam Fir. The dominant species present within the understory was Speckled Alder. Groundcover vegetation was composed primarily of Bristly Clubmoss ( <i>Lycopodium annotinum</i> ), Bunchberry, Bladder Sedge ( <i>Carex intumescens</i> ), Large-leaved Aster and Twinflower.  The effective soil texture within this community consisted layer of organic soils (≤20cm) over the dominant soil type consisting of coarse sand. The overall depth of the soil profile was moderate (>30cm to ≤60cm) with a fresh moisture regime.
B034Ti Dry, Sandy: Jack Pine-Black Spruce	ES22 Spruce-Pine / Ledum / Feathermoss: Moist, Sandy-Coarse Loamy Soil	B065, B067, (B064, B068)	This low treed community was dominated by Jack Pine ( <i>Pinus Bankiansa</i> ) with occasional occurrence of Balsam Fir. The understory was also dominated by Jack Pine with occasional occurrences of Pussy Willow and Woolly-headed Willows. Groundcover was composed mainly of Bush Honeysuckle, Bunchberry, Bearberry ( <i>Arctostaphylos uva-ursi</i> ), Low-bush Blueberry and Velvet-leaved blueberry ( <i>Vaccinium myrtilloides</i> ).  The effective soil texture within this community consisted of a mineral soil compose of coarse fragments. The overall depth of the soil profile was shallow with a dry moisture regime.
B116Ti Moist, Fine: Spruce-Fir Conifer	ES44 Thicket Swamp: Organic-Mineral Soil	B134, B135	This low treed coniferous forest community is dominated by Balsam Fir with occasional occurrences of Black Spruce. The understory included Red-berried Elderberry ( <i>Sambucus racemosa</i> ssp. <i>pubens</i> ) and Red-osier Dogwood. Species found in the ground layer include Purple Meadow rue ( <i>Thalictrum dasycarpum</i> ), Nodding Trillium ( <i>Trillium cernuum</i> ), Dwarf Raspberry, Canada Gooseberry ( <i>Ribes oxycanthoides</i> ), Smooth Gooseberry ( <i>Ribes hirtellum</i> ) and Large-leaved Avens.  The effective soil texture within this community consisted of a clay loam. The overall depth of the soil profile was deep with a moist moisture regime.
B052Ti Dry to Fresh, Coarse: Spruce-Fir Conifer	ES44 Thicket Swamp: Organic-Mineral Soil	B134, B135	This low treed forest community was dominated by Black Spruce with occasional occurrences of Balsam Fir. The understory contained mostly Pussy Willow and Green Alder as the dominant shrub species. Groundcover was composed mainly of Bunchberry, Twinflower, Large-leaved Aster and Low-sweet Blueberry.  The effective soil texture within this community consisted of a loamy fine sand. The overall depth of the soil profile was shallow with a fresh moisture regime.
B037Ti Dry, Sandy: Spruce-Fir Conifer	ES22 Spruce-Pine / Ledum / Feathermoss: Moist, Sandy-Coarse Loamy Soil	B065, B067, (B064, B068)	This low treed coniferous forest community contains abundant Balsam Fir and Black Spruce in the canopy, with Trembling Aspen dominant in the sub-canopy. Shrub species present within the understory include Bartram's Serviceberry and Slender Willow ( <i>Salix petiolaris</i> ). Species found in the ground layer include Bearberry, Southern Running-Pine ( <i>Diphasiastrum digitatum</i> ), Prickly Tree Clubmoss ( <i>Lycopodium dendroideum</i> ), Twinflower, Bunchberry, Woodland Strawberry ( <i>Fragaria vesca</i> ssp. <i>americana</i> ) and Hooked-spur Violet ( <i>Viola adunca</i> ).  The effective soil texture within this community consisted of a coarse sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B016Tt Very Shallow, Dry to Fresh: Aspen- Birch Hardwood	Unknown/Cultural	---	This tall treed hardwood community is dominated by White Birch, with occasional Trembling Aspen and the rare occurrence of White Spruce. The sub-canopy is dominated by Balsam Fir. The understory also contains abundant Beaked Hazel and Mountain Maple. Species present in the ground layer include Large-leaved Aster, Twinflower, Bunchberry, Canada Mayflower, Fly Honeysuckle, Starflower and Rough-leaved Rice Grass ( <i>Oryzopsis asperifolia</i> ).  The effective soil texture within this community consisted of a very fine sandy loam. The overall depth of the soil profile was very shallow (>5cm to ≤15cm) with a fresh moisture regime.



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B043Tt Dry, Sandy: Mixedwood	ES19 Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse Loamy Soil	B055, B056, B057, B058, B059	This tall treed mixed forest community contains abundant White Birch with rare occurrences of White Pine, Eastern White Cedar, Balsam Fir and White Spruce. Shrub species present within the understory include Mountain Maple, Fly Honeysuckle, Mountain Fly Honeysuckle ( <i>Lonicera villosa</i> ) and Beaked Hazelnut. Ground layer species include Large-leaved Aster, Ground Pine, Canada Mayflower, Starflower, Rough-leaved Rice Grass and Mooseberry ( <i>Viburnum edule</i> ).  The effective soil texture within this community consisted of a loamy fine sand. The overall depth of the soil profile was moderately deep with a fresh moisture regime.
B040Tt Dry, Sandy: Aspen-Birch Hardwood	ES32 Fir-Spruce Mixedwood: Moist, Silty- Clayey Soil	B116, (B114, B115, B117)	The dominant canopy species within this community was Trembling Aspen and White Birch with occasional occurrences of Balsam Fir and White Pine ( <i>Pinus Strobus</i> ). The understory was dominated by Beaked Hazel, Mountain Maple and Smooth Serviceberry ( <i>Amelanchier laevis</i> ). Groundcover consisted of Wild Sarsaparilla, Bush Honeysuckle, Canada Mayflower, Large-leaved Aster and Twinflower.  The effective soil texture within this community consisted of a coarse sand. The overall depth of the soil profile was shallow with a dry moisture regime.
B040Tl Dry, Sandy: Aspen-Birch Hardwood	Unknown/cultural	---	This low treed hardwood community is dominated by White Birch, with occasional White Spruce and the rare occurrence of White Pine. Balsam Poplar, Balsam Fir and Eastern White Cedar ( <i>Thuja occidentalis</i> ) are also present in the sub-canopy. Shrubs present within the understory include Green Alder, Mountain Maple, and Beaked Hazelnut. Species found in the ground layer include Large-leaved Aster, Fly Honeysuckle, Common Clubmoss, Bluebead Lily, Canada Mayflower and Red Raspberry.  The effective soil texture within this community consisted of a very fine sandy loam. The overall depth of the soil profile was very shallow with a dry moisture regime. This polygon appears to have been previously disturbed in some capacity.
<Null>	Unknown / cultural	---	This polygon is an actively managed hayfield and contains several species of Eurasian pasture grasses.
B088Tt Fresh, Clayey: Aspen-Birch Hardwood	ES28 Hardwood-Fir-Spruce Mixedwood: Fresh, Silty Soil	B104, (B088, B090, B091, B092, B106, B107, B108)	The dominant species that composed this tall treed forest community were Trembling Aspen and White Birch. The understory story also contained abundant White Birch in addition to Mountain Maple and Pussy Willow. Groundcover was composed mainly of Red Raspberry, Bunchberry, Bush Honeysuckle, Starflower and Canada Mayflower.  The effective soil texture within this community consisted of clay. The overall depth of the soil profile was deep with a moist moisture regime.
B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	Unknown / Cultural	---	This tall treed hardwood community is dominated by Trembling Aspen with occasional occurrences of White Birch and Balsam Fir. Understory vegetation consisted of Beaked Hazelnut, Mountain Maple, Trembling Aspen and White Birch. Species present in the ground layer consisted primarily of Bunchberry, Wild Sarsaparilla, Rough-leaved Rice Grass, Large-leaved Aster, Drooping Wood Sedge ( <i>Carex arctata</i> ), Bush Honeysuckle and Bluebead Lily.  The effective soil texture within this community consisted of loam. The overall depth of the soil profile was shallow with a fresh moisture regime
B016Tt Very Shallow, Dry to Fresh: Aspen- Birch Hardwood	Unknown / Cultural	---	This tall treed hardwood community is dominated by Trembling Aspen and White Birch. Understory vegetation consisted of Beaked Hazelnut, Mountain Maple, Pussy Willow, Red-berried Elderberry and Pin Cherry. Species present in the ground layer consisted primarily of Bush Honeysuckle, Large-leaved Aster, Sparse-flowered Thimbleberry ( <i>Rubus parviflorus</i> ), Bluebead Lily, Fragrant Bedstraw ( <i>Galium triflorum</i> ), Ciliolate Aster, Dwarf Raspberry, Bunchberry, and Starflower.  The effective soil texture within this community consisted of a loamy medium sand. The overall depth of the soil profile was very shallow with a fresh moisture regime.
B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	Unknown / Cultural	---	This tall treed hardwood community is dominated by Trembling Aspen and White Birch with the occasional willow species in the sub canopy. Understory vegetation consisted of Beaked Hazelnut, Green Alder, Mountain Maple, Pin Cherry and Pussy Willow. Species present in the ground layer consisted primarily of Bush Honeysuckle, Wild Red Raspberry, Large-leaved Aster, Canada Mayflower, Bluebead Lily, Dwarf Raspberry, Fireweed ( <i>Chamerion angustifolium</i> ) and Ciliolate Aster.  The effective soil texture within this community consisted of a loamy fine sand. The overall depth of the soil profile was moderate with a fresh moisture regime.
B088Tl Fresh, Clayey: Aspen-Birch Hardwood	Unknown / Cultural	---	This low treed hardwood community is dominated by White Birch and Trembling Aspen with occasional occurrences of Balsam Fir. Understory vegetation consisted of Beaked Hazelnut, Mountain Maple, Red-berried Elderberry, and Pin Cherry. Species present in the ground layer consisted primarily of Large-leaved Aster, Sparse-flowered Thimbleberry, Bluebead Lily, Fragrant Bedstraw, Ciliolate Aster and Dwarf Raspberry.  The effective soil texture within this community consisted of a sandy clay. The overall depth of the soil profile was moderate with a fresh moisture regime.

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B055TI Dry to Fresh, Coarse: Aspen-Birch Hardwood	Unknown / Cultural	---	This low treed hardwood community is dominated by Trembling Aspen with occurrences of White Birch and Balsam Fir. Shrub species present within the understory Pin Cherry, Green Alder, and Showy Mountain-Ash. Species present in the ground layer include Bunchberry, Bladder Sedge, Spinulose Wood Fern ( <i>Dryopteris carthusiana</i> ), Skunk Currant, Kentucky Blue Grass, Naked Mitrewort, and Large-leaved Aster.  The effective soil texture within this community consisted of a sandy clay loam. The overall depth of the soil profile was shallow with a fresh moisture regime.
B053Tt Dry to Fresh, Coarse: Conifer	Unknown / Cultural	---	The canopy and sub-canopy of this tall treed coniferous community is dominated by Balsam Fir, with occasional occurrences of Eastern White Cedar, Black Spruce, and rare occurrences of Jack Pine. Understory vegetation consisted of Balsam Fir, Eastern White Cedar and White Birch. Species present in the ground layer include Eastern Bracken Fern ( <i>Pteridium aquilinum</i> ), Large-leaved Aster, Bush Honeysuckle, Bluebead Lily, Low-sweet Blueberry and Twinflower.  The effective soil texture within this community consisted of a loamy fine sand. The overall depth of the soil profile was shallow with a fresh moisture regime.
B059TI Dry to Fresh, Coarse: Mixedwood	Unknown / Cultural	---	This low treed mixedwood forest community's canopy and sub-canopy was composed primarily of Balsam Fir and White Birch with occasional occurrences of Eastern White Cedar and rare occurrences of White Pine and White Spruce. Understory vegetation consisted of Balsam Fir, Eastern White Cedar, White Birch, Mountain Maple, Pussy Willow and Balsam Poplar. Species present in the ground layer include Sweet Coltsfoot ( <i>Petasites frigidus</i> ), Prickly Wild Rose, Low-sweet Blueberry, Bluebead Lily, Star Flower, Canada Mayflower, Short-horned Rice Grass, Pearly Everlasting ( <i>Anaphalis margaritacea</i> ), Round-leaved Pyrola ( <i>Pyrola rotundifolia</i> ) and Drooping Wood Sedge.  The effective soil texture within this community consisted of a loam. The overall depth of the soil profile was shallow with a fresh moisture regime.
B055TI Dry to Fresh, Coarse: Aspen-Birch Hardwood	Unknown / Cultural	---	This low treed hardwood community is dominated by White Birch with occasional occurrences of Balsam Fir, Trembling Aspen and Eastern White Cedar. Understory vegetation consisted of Mountain Maple, White Birch, Pussy Willow, Red-osier Dogwood and Green Alder. Species present in the ground layer consisted primarily of Dwarf Raspberry, Canada Mayflower, Spinulose Wood Fern, Bladder Sedge, Bush Honeysuckle, Large-leaved Aster, Bluebead Lily, Bunchberry and Sweet Coltsfoot.  The effective soil texture within this community consisted of a medium sandy loam. The overall depth of the soil profile was shallow with a fresh moisture regime.
B086Tt Fresh, Clayey: Conifer	Unknown / Cultural	---	This tall treed coniferous community is dominated by Eastern White Cedar with occasional occurrences of White Birch, Balsam Poplar and Mountain Maple. Understory vegetation consisted of Mountain Maple, Beaked Hazelnut and Balsam Fir. Species present in the ground layer consisted primarily of Bluebead Lily, Canada Mayflower, Large-leaved Aster, Sparse-flowered Thimbleberry, Bunchberry, Common Oak Fern, Northern Lady Fern ( <i>Athyrium filix-femina</i> ) and Wood Anemone.  The effective soil texture within this community consisted of a silty clay. The overall depth of the soil profile was moderately deep with a fresh moisture regime.
B053Tt Dry to Fresh, Coarse: Conifer	Unknown / Cultural	---	This tall treed coniferous community is dominated by Balsam Fir, Eastern White Cedar and Balsam Poplar with occasional occurrences of White Birch and Mountain Maple. Understory vegetation consisted of Mountain Maple, Beaked Hazelnut, Balsam Fir and Green Alder. Species present in the ground layer consisted primarily of Bunchberry, Bristly Clubmoss, Common Oak Fern, Bluebead Lily, Naked Mitrewort, Dwarf Raspberry, Canada Mayflower and Round-leaved Pyrola.  The effective soil texture within this community consisted of a loam. The overall depth of the soil profile was shallow with a fresh moisture regime.
B119Tt Moist, Fine: Aspen-Birch Hardwood	ES33 Hardwood-Fir-Spruce Mixedwood: Moist, Silty-Clayey Soil	---	This tall treed mixedwood community was dominated by Trembling Aspen, White Birch and Balsam Fir with rare occurrences of White Spruce. Understory vegetation consisted of Mountain Maple, Showy Mountain-ash, Red-osier Dogwood and Bartram's Serviceberry with rare occurrences of Balsam Fir saplings. Groundcover consisted primarily of Twinflower and Bunchberry with occurrences of Stiff Clubmoss, Starflower, Northern Lady Fern, Sweet Coltsfoot and Canada Mayflower.  The effective soil texture within this community consisted of a sandy clay. The overall depth of the soil profile was deep with a moist moisture regime.
B088Tt Fresh, Clayey: Aspen-Birch Hardwood	ES29 Hardwood-Fir-Spruce Mixedwood: Fresh, Fine Loamy-Clayey Soil	B088, B104, (B090, B091, B092, B106, B107, B108)	This tall treed hardwood community was dominated by Trembling Aspen, White Birch, and Balsam Poplar with occasional occurrences of Balsam Fir and willow species. Speckled Alder dominated the understory with Bebb's Willow ( <i>Salix bebbiana</i> ), Mountain Maple, Eastern White Cedar and Balsam Fir associates. Groundcover was primarily composed of Wild Sarsaparilla, Dwarf Raspberry, Naked Mitrewort ( <i>Mitella nuda</i> ), Bladder Sedge, Prickly Wild Rose, Canada Mayflower, Common Strawberry, Common Oak Fern and Twinflower.  The effective soil texture within this community consisted of a clay. The overall depth of the soil profile was deep with a fresh moisture regime.
B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	ES38 Rich Swamp: Black Ash (Other Hardwood): Organic-Mineral Soil	B130, B131, B132, B133	Polygon showed signs of recent logging activity which greatly influenced the vegetation composition. This community was dominated by young Trembling Aspen and Balsam. Groundcover was primarily composed of Bunchberry, Canada Mayflower and Bush Honeysuckle.  The effective soil texture within this community consisted of a loamy coarse sand. The overall depth of the soil profile was shallow with a fresh moisture regime.

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B104Ti Fresh, Silty to Fine Loamy: Aspen-Birch Hardwood	Unknown/Cultural	---	This low treed hardwood community contains abundant Trembling Aspen and Balsam Fir with occasional White Birch and Black Spruce. Prickly Wild Rose ( <i>Rosa acicularis</i> ssp. <i>say</i> ) is found in the understory. Ground layer vegetation includes Dwarf Raspberry, Large-leaved Aster, Sweet Coltsfoot and Common Dandelion ( <i>Taraxacum officinale</i> ).  The effective soil texture within this community consisted of a silty clay loam. The overall depth of the soil profile was deep with a fresh moisture regime.
B104Ti Fresh, Silty to Fine Loamy: Aspen-Birch Hardwood	ES38 Rich Swamp: Black Ash (Other Hardwood): Organic-Mineral Soil	B130, B131, B132, B133	This low treed hardwood community is dominated by Trembling Aspen, with abundant Balsam Poplar and the occasional White Birch and Mountain Maple. Choke Cherry, Mountain Maple and Fly Honeysuckle are present in the understory. Species present in the ground layer include Northern Lady Fern, Dwarf Raspberry, Canada Mayflower, Nodding Trillium and Swamp Red Currant.  The effective soil texture within this community consisted of a clay loam. The overall depth of the soil profile was deep with a fresh moisture regime.
B125Tt Moist, Fine: Mixedwood	Unknown/Cultural	---	Balsam Fir and White Birch were the dominant species within this tall treed mixedwood community with occasional occurrences of Trembling Aspen. Understory vegetation consisted of Mountain Maple, Red-osier Dogwood, Beaked Hazelnut, Choke Cherry, Pin Cherry and Bartram's Serviceberry. Dwarf Raspberry was the dominant species within the ground layer with additional species including Bunchberry, Canada Mayflower, Sweet Coltsfoot, Large-leaved Aster and Wild Sarsaparilla.  The effective soil texture within this community consisted of a sandy clay. The overall depth of the soil profile was deep with a moist moisture regime.
B101Ti Fresh, Silty to Fine Loamy: Spruce-Fir Conifer	ES38 Rich Swamp: Black Ash (Other Hardwood): Organic-Mineral Soil	B130, B131, B132, B133	This low treed coniferous forest community contains occasional Black Spruce and Balsam Fir with the occasional occurrence of Trembling Aspen in the canopy. Shrub species present within the understory include Speckled Alder and Red-osier Dogwood. Species present in the ground layer include Bush Honeysuckle, American Mountain-ash, Dwarf Raspberry, Pearly Everlasting and Canada Mayflower.  The effective soil texture within this community consisted of a clay loam. The overall depth of the soil profile was deep with a fresh moisture regime.
B101Ti Fresh, Silty to Fine Loamy: Spruce-Fir Conifer	ES38 Rich Swamp: Black Ash (Other Hardwood): Organic-Mineral Soil	B130, B131, B132, B133	This low treed coniferous forest community contains Black Spruce and Balsam Fir with rare occurrences of Trembling Aspen in both the canopy and sub-canopy. The understory contains Speckled Alder and Red-osier Dogwood. Species found in the ground layer include Bush Honeysuckle, Bunchberry, Dwarf Raspberry, Pearly Everlasting and Canada Mayflower.  The effective soil texture within this community consisted of a clay loam. The overall depth of the soil profile was deep with a fresh moisture regime.
B026Tt Very Shallow, Humid: Conifer	ES12 Black Spruce-Jack Pine: Very Shallow Soil	B012, B013, B014, B016, B024, B025, B026, (B017, B018, B019, B028)	This tall treed coniferous forest community contains abundant Balsam Fir with occasional Eastern White Cedar and rare occurrences of White Spruce and White Birch. Understory species present include Mountain Maple, Fly Honeysuckle and Speckled Alder. Species found in the ground layer include Bluebead Lily, Canada Mayflower, Rough-leaved Rice Grass, Large-leaved Aster, Bush Honeysuckle, Common Strawberry and Starflower among others.  The effective soil texture within this community consisted of a thin layer of organic soil directly over bedrock. The overall depth of the soil profile was very shallow with a humid moisture regime.
B059Tt Dry to Fresh, Coarse: Mixedwood	Unknown / Cultural	---	Both the canopy and sub-canopy of this tall treed mixedwood forest community are dominated by poplar species consisting of Balsam Poplar and Trembling Aspen with scattered Balsam Fir also present. Dominant species within the understory consisted of young Balsam Fir and Red-osier Dogwood. Groundcover species were primarily composed of Bunchberry, Large-leaved Aster, Bush Honeysuckle, Canada Mayflower and Sweet Coltsfoot.  The effective soil texture within this community consisted of a fine sand. The overall depth of the soil profile was shallow with a fresh moisture regime.
B055Ti Dry to Fresh, Coarse: Aspen-Birch Hardwood	Unknown / Cultural	---	Both the canopy and sub-canopy species compositions have been altered as a result of recent logging activities. Currently, this low treed hardwood community is dominated by White Birch, Mountain Maple and Balsam Fir. Understory vegetation consisted of Mountain Maple, White Birch, Speckled Alder and Beaked Hazelnut. Species present in the ground layer consisted primarily of Dwarf Raspberry, Bluebead Lily, Canada Mayflower, Spinulose Wood Fern, Wild Sarsaparilla and Lady Fern.  The effective soil texture within this community consisted of a medium sandy loam. The overall depth of the soil profile was shallow with a fresh moisture regime.
B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	Unknown / Cultural	---	This tall treed coniferous community is dominated by White Birch and Trembling Aspen with occasional occurrences of Balsam Fir, Showy Mountain Ash and Mountain Maple. Understory vegetation consisted of Mountain Maple, Showy Mountain-ash, White Birch and Pussy Willow. Species present in the ground layer consisted primarily of Bush Honeysuckle, Interrupted Fern ( <i>Osmunda claytoniana</i> ), Large-leaved Aster, Wild Red Raspberry, Dwarf Raspberry, Rough-leaved Rice Grass and Canada Mayflower.  The effective soil texture within this community consisted of a fine sandy loam. The overall depth of the soil profile was moderate with a fresh moisture regime.

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B055TI Dry to Fresh, Coarse: Aspen-Birch Hardwood	Unknown / Cultural	---	This low treed coniferous community is dominated by White Birch with occasional occurrences of Balsam Fir and Showy Mountain Ash. Understory vegetation consisted primarily of White Birch, Mountain Maple and Beaked Hazelnut. Species present in the ground layer consisted mainly of Mooseberry, Bunchberry, Twinflower, Ground-pine, Bristly Clubmoss, Goldthread, Bush Honeysuckle and Low-sweet Blueberry.  The effective soil texture within this community consisted of a loamy medium sand. The overall depth of the soil profile was shallow with a fresh moisture regime.
B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	ES16 Hardwood-Fir-Spruce Mixedwood: Sandy Soil	B040, (B041, B042, B043)	Trembling Aspens was the dominant tree species throughout this community with Balsam Fir and Mountain Maple occurring as associates. Mountain Maple and Woolly-headed Willow were also present within the forest understory. Groundcover was co-dominated by Large-leaved Aster and Bush Honey with additional species consisting of Fireweed, Grove Blue Grass, Northern Lady Fern, Pearly Everlasting, Bunchberry, Bluebead Lily and Sweet Coltsfoot. This community has likely been logged recently as all the tree species within this community were all young and even-aged.  The effective soil texture within this community consisted of a loamy fine sand. The overall depth of the soil profile was shallow with a fresh moisture regime.
B125Tt Moist, Fine: Mixedwood	ES19 Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse Loamy Soil	B055, B056, B057, B058, B059	This forest community was co-dominated by White Birch and Balsam Fir with abundant Willow species also present. In the understory Speckled Alder was dominant with Woolly-headed Willow, Bebb's Willow and Mountain Maple occurring as associates. Groundcover primarily consisted of Alder-leaved Buckthorn, Fragrant Bedstraw, Bladder Sedge and Woodland Horsetail.  The effective soil texture within this community consisted of a silty clay. The overall depth of the soil profile was deep with a moist moisture regime.
B119TI Moist, Fine: Aspen - Birch Hardwood	ES38 Rich Swamp: Black Ash (Other Hardwood): Organic-Mineral Soil	B130, B131, B132, B133	This low treed forest community was dominated by Trembling Aspen with occasional occurrences of Balsam Poplar and willow species. Shrub cover within the understory was dominated by Pussy Willow, Bebb's Willow, Woolly-headed Willow and Speckled Alder. Groundcover was dominated by Canada Blue-joint Grass, Dwarf Raspberry, Purple-stemmed Aster, Bladder Sedge and Grass-leaved Goldenrod ( <i>Euthamia graminifolia</i> ).  The effective soil texture within this community consisted of a clay. The overall depth of the soil profile was deep with a moist moisture regime.
B070Tt Moist, Coarse: Aspen-Birch Hardwood	ES19 Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse Loamy Soil	B055, B056, B057, B058, B059	This tall treed community contained White Birch, Trembling Aspen and White Spruce in equal abundance within the canopy. In the understory Mountain Maple, Beaked Hazel and Balsam Fir were also abundant. Species found in the ground layer include Canada Mayflower, Bluebead Lily, Bush Honeysuckle and Bunchberry.  The effective soil texture within this community consisted of a loamy coarse sand. The overall depth of the soil profile was shallow with a moist moisture regime.
B104Tt Fresh, Silty to Fine Loamy: Aspen-Birch Hardwood	ES16 Hardwood-Fir-Spruce Mixedwood: Sandy Soil	B040, (B041, B042, B043)	This tall treed hardwood forest community is dominated by Trembling Aspen, with abundant White Birch and rare occurrences of White Spruce. The sub-canopy consisted of occasional occurrences of Balsam Fir. Shrub species present within the understory include Mountain Maple, Beaked Hazelnut and American Mountain-ash. Ground layer species include Bluebead Lily, Canada Mayflower, Fly Honeysuckle, Mountain Fly Honeysuckle, Rose Twisted Stalk, Starflower, Wild Sarsaparilla, Dwarf Raspberry and Nodding Trillium.  The effective soil texture within this community consisted of a clay loam. The overall depth of the soil profile was deep with a fresh moisture regime.
B119Tt Moist, Fine: Aspen-Birch Hardwood	ES38 Rich Swamp: Black Ash (Other Hardwood): Organic-Mineral Soil	B130, B131, B132, B133	White Birch and Trembling Aspen were the dominant canopy species within this tall treed forest community with occasional occurrences of Balsam Fir and Black Spruce. The understory was composed of Mountain Maple, Beaked Hazelnut and saplings of the above mentioned canopy species. The ground layer included forb species such as Bunchberry, Ground-pine, Wild Sarsaparilla and Spinulose Wood Fern.  The effective soil texture within this community consisted of a sandy clay. The overall depth of the soil profile was deep with a moist moisture regime.
B014TI Very Shallow, Dry to Fresh: Conifer	ES19 Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse Loamy Soil	B055, B056, B057, B058, B059	This low treed coniferous forest community contains abundant Black Spruce, White Spruce and Trembling Aspen, with abundant White Birch in the sub-canopy. Bartram's Serviceberry is also present in the understory. Species found in the ground layer include Bush Honeysuckle, Low Sweet Blueberry, Wild Sarsaparilla and Canada Mayflower.  The effective soil texture within this community consisted of a medium. The overall depth of the soil profile was very shallow with a dry moisture regime.
B117Tt Moist, Fine: Conifer	ES19 Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse Loamy Soil	B055, B056, B057, B058, B059	This tall treed coniferous forest community is dominated by Black Spruce with abundant Eastern White Cedar, occasional Balsam Fir and White Birch as well as rare occurrences of Trembling Aspen. Shrub species present include Mountain Maple and American Mountain-ash. Species present in the ground layer include Bladder Sedge, Fly Honeysuckle, Dwarf Raspberry, Bunchberry, Mooseberry, Sensitive Fern, Spinulose Wood Fern, One-sided Shinleaf ( <i>Orthilia secunda</i> ), Three-seeded Sedge and Woodland Horsetail among others. The eastern half of this polygon contained swamp and swamp thicket inclusions.  The effective soil texture within this community consisted of a silty fine sand. The overall depth of the soil profile was deep with a moist moisture regime.



PROVINCIAL ECOSITE CODES (FIELD VERIFIED) <sup>1</sup>	ECOSITE CODES BACKGROUND REVIEW <sup>2</sup>	ECOSITE CODE CONVERSION REFERENCE <sup>3,4</sup>	GENERAL DESCRIPTION OF ECOSITE COMMUNITY
B012Tt Very Shallow, Dry to Fresh: Pine-Black Spruce Conifer	Unknown/Cultural	---	This coniferous forest community contains abundant Black Spruce with occasional Jack Pine and White Birch as well as rare occurrences of Balsam Fir. Understory species present include Bartram's Serviceberry, American Mountain-ash and Pin Cherry. Small patches of rock barren communities were also present within this community as inclusions.  The effective soil texture within this community consisted of bare bedrock. The overall depth of the soil profile was ≤5cm with a dry moisture regime.
B101TI Fresh, Silty to Fine Loamy: Spruce-Fir Conifer	Unknown/Cultural	---	Balsam fir dominates this low treed coniferous community with occasional occurrences of Trembling Aspen. The sub-canopy is dominated by Mountain Maple, with young Trembling Aspen and Balsam Fir. Shrub species present within the understory include Mooseberry, Mountain Maple and Speckled Alder. Species present in the ground layer include Dwarf Raspberry, Canada Mayflower, Swamp Red Currant, Large-leaved Aster and Sweet Coltsfoot.  The effective soil texture within this community consisted of a clay loam. The overall depth of the soil profile was deep with a fresh moisture regime.
B024Tt Very Shallow, Humid: Black Spruce-Pine Conifer	ES37 Rich Swamp: Cedar (Other Conifer): Organic Soil	B129, B224, (B128, B223)	This tall treed coniferous forest is dominated by Black Spruce, with Balsam Fir, Eastern White Cedar and White Birch also present as occasional occurrences. Species present in the ground layer include Low Sweet Blueberry, Labrador Tea, Creeping Snowberry ( <i>Gaultheria hispidula</i> ) and Large Cranberry.  The effective soil texture within this community consisted of a sandy clay. The overall depth of the soil profile was deep with a humid moisture regime.
B055TI Dry to Fresh, Coarse: Aspen-Birch Hardwood	ES12 Black Spruce-Jack Pine: Very Shallow Soil	B012, B013, B014, B016, B024, B025, B026, (B017, B018, B019, B028)	White Birch is dominant in this low treed hardwood community, with Trembling Aspen, Jack Pine and Eastern White cedar having occasional occurrences in the canopy and Showy Mountain-ash present in the sub-canopy. Bush Honeysuckle, Canada Mayflower, Large-leaved Aster, Bluebead Lily, Wild Sarsaparilla, Red Raspberry, Low Sweet Blueberry and Ground Pine are present in the ground layer among others.  The effective soil texture within this community consisted of a very coarse sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B114TI Moist, Fine: Black Spruce-Pine Conifer	ES35 Poor Swamp: Black Spruce: Organic Soil	B127, B222, (B128, B223)	This low treed coniferous forest is dominated by Black Spruce with occurrences of Balsam fir, Trembling Aspen and White Birch. Showy Mountain-ash is present in the understory. Ground layer species include Common Clubmoss, Dwarf Raspberry, Bunchberry, Starflower, Canada Mayflower, Wild Sarsaparilla, Prickly Wild Rose, Fly Honeysuckle, Creeping Snowberry, Common Oak Fern and Low Serviceberry ( <i>Amelanchier spicata</i> ).  The effective soil texture within this community consisted of a silty clay. The overall depth of the soil profile was deep with a fresh moisture regime.
B068Tt Moist, Coarse: Conifer	ES37 Rich Swamp: Cedar (Other Conifer): Organic Soil	B129, B224, (B128, B223)	This tall treed coniferous forest community contains abundant Black Spruce, Trembling Aspen and White Birch. Species present in the ground layer include Bunchberry, Starflower, Bluebead Lily, Wild Sarsaparilla, Twinflower, Three-seeded Sedge ( <i>Carex trisperma</i> ), Two-seeded Sedge ( <i>Carex disperma</i> ), Creeping Snowberry, Sheathed Sedge and Common Oak Fern among others.  The effective soil texture within this community consisted of a silty very fine sand. The overall depth of the soil profile was deep with a moist moisture regime.
B024Tt Very Shallow, Humid: Black Spruce-Pine Conifer	ES21 Fir-Spruce Mixedwood: Fresh, Coarse Loamy Soil	B052, B050, (B053)	This tall treed coniferous forest is dominated by Black Spruce, with rare occurrences of Willows and Balsam Fir. The understory was sparse and mainly consisted of the species found within the canopy. Species present in the ground layer include Labrador Tea, Creeping Snowberry, Large Cranberry ( <i>Vaccinium macrocarpon</i> ), Leatherleaf and Bunchberry.  The effective soil texture within this community consisted of a loamy coarse sand. The overall depth of the soil profile was shallow with a humid moisture regime.
B043Tt Dry, Sandy: Mixedwood	ES12 Black Spruce-Jack Pine: Very Shallow Soil	B012, B013, B014, B016, B024, B025, B026, (B017, B018, B019, B028)	This tall treed mixed forest community contains abundant White Birch, Red Pine and Balsam Fir, with occasional Mountain Maple, Black Spruce and Showy Mountain-ash. Shrubs present within the understory include Mountain Maple and Red-berried Elderberry. Species found in the ground layer include Common Clubmoss, Ground Pine, Fly Honeysuckle, Bluebead Lily, False Solomon's Seal ( <i>Maianthemum racemosum</i> ssp. <i>racemosum</i> ), Canada Mayflower, Large-leaved Aster, Spinulose Wood Fern and Common Oak Fern among others.  The effective soil texture within this community consisted of a coarse sand. The overall depth of the soil profile was deep with a dry moisture regime.
B012 Tt Very Shallow, Dry to Fresh: Pine-Black Spruce Conifer	ES14 Pine-Spruce Mixedwood: Sandy Soil	B035, B034, B036, B037 (B038)	This tall treed coniferous forest community contains abundant Black Spruce with Jack Pine and White Birch. Green Alder, Pin Cherry and Labrador Tea are present in the understory layer. Ground layer vegetation includes Reindeer Lichen ( <i>Cladonia rangiferina</i> ), Large-leaved Aster, Low Sweet Blueberry, Starflower, Canada Mayflower and Bluebead Lily.  The effective soil texture within this community consisted of a thin layer of organic soils (≤5cm) directly over bedrock. The overall depth of the soil profile was very shallow with a dry moisture regime.

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B119Tt Moist, Fine: Aspen-Birch Hardwood	ES38 Rich Swamp: Black Ash (Other Hardwood): Organic-Mineral Soil	B130, B131, B132, B133	This tall treed hardwood forest community is dominated by Trembling Aspen with occasional White Birch, Black Spruce and Balsam Fir and rare occurrences of Balsam Poplar. Shrubs present within the understory include Mountain Maple, Green Alder and Red-osier Dogwood. Common species found within the groundlayer Dwarf Raspberry, Large-leaved Aster, Northern Beech Fern (Phegopteris connectilis), Woodland Horsetail, Water Horsetail, Wild Sarsaparilla, Mooseberry, Bluebead Lily, Flat-topped White Aster, Three-seeded Sedge and Northern Manna Grass (Glyceria borealis) among others.  The effective soil texture within this community consisted of a silty loam. The overall depth of the soil profile was deep with a moist moisture regime.
B117Tt Moist, Fine: Conifer	ES19 Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse Loamy Soil	B055, B056, B057, B058, B059	This coniferous forest community is dominated by Black Spruce, with additional tree species consisting of Balsam Fir and White Birch. Species found in the ground layer include Bush Honeysuckle, Wild Sarsaparilla, Canada Mayflower, Naked Mitrewort (Mitella nuda), Common Clubmoss, Bluebead Lily, Large-leaved Aster and Mooseberry among others.  The effective soil texture within this community consisted of a silty clay. The overall depth of the soil profile was deep with a moist moisture regime.
B116Tt Moist, Fine: Spruce-Fir Conifer	ES19 Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse Loamy Soil	B055, B056, B057, B058, B059	This tall treed coniferous forest community contains abundant Balsam Fir, Black Spruce, White Birch and Trembling Aspen. Shrubs present within the understory include Speckled Alder and Red-osier Dogwood. Ground layer vegetation was primarily composed of Canada Mayflower, Starflower, Bunchberry, Dwarf Raspberry, Bluebead Lily, Smooth Wild Rose (Rosa blanda), Fly Honeysuckle and Rose Twisted Stalk among others.  The effective soil texture within this community consisted of a silty clay. The overall depth of the soil profile was deep with a moist moisture regime.
B114Tt Moist, Fine: Black Spruce-Pine Conifer	ES12 Black Spruce-Jack Pine: Very Shallow Soil	B012, B013, B014, B016, B024, B025, B026, (B017, B018, B019, B028)	Black spruce dominates this tall treed coniferous forest with occasional White Birch, Showy Mountain-ash and Balsam Fir in the sub-canopy. Speckled Alder is present in the understory. The ground layer includes Creeping Snowberry, Canada Mayflower, Starflower, Northern Commandra (Geocaulon lividum), Bluebead Lily, Wild Sarsaparilla, Goldthread, Bunchberry and Labrador Tea.  The effective soil texture within this community consisted of a clay. The overall depth of the soil profile was deep with a moist moisture regime.
B088Tt Fresh, Clayey: Aspen-Birch Hardwood	ES12 Black Spruce-Jack Pine: Very Shallow Soil	B012, B013, B014, B016, B024, B025, B026, (B017, B018, B019, B028)	This tall treed hardwood forest community is dominated by Trembling Aspen with occasional White Birch and Black Spruce. Species found in the ground layer include Purple Meadowrue, Wood Anemone (Anemone quinquefolia), Canada Mayflower, Woodland Horsetail (Equisetum sylvaticum), Dwarf Raspberry and Large-leaved Aster.  The effective soil texture within this community consisted of a clay. The overall depth of the soil profile was with a fresh moisture regime.
B119TI Moist, Fine: Aspen-Birch Hardwood	ES19 Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse Loamy Soil	B055, B056, B057, B058, B059	This low treed hardwood forest community is dominated by Trembling Aspen with Balsam Fir also present. Shrub species present within the understory include Mountain Maple, American Mountain-ash and Red-osier Dogwood. Species found in the ground layer include Bunchberry, Mooseberry, Prickly Wild Rose, Red Raspberry, Swamp Red Currant, Canada Mayflower, Wild Sarsaparilla, Twinflower, Bluebeard Lily and Large-leaved Aster among others.  The effective soil texture within this community consisted of a clay loam. The overall depth of the soil profile was deep with a moist moisture regime.
B014Tt Very Shallow, Dry to Fresh: Conifer	ES17 White Cedar: Fresh-Moist, Coarse-Fine Loamy Soil	B051, B066, B115, B084, B100	This tall treed coniferous forest is dominated by Balsam Fir with occasional Eastern White Cedar and Black Spruce and rare White Birch. Shrub species present within the understory include Mountain Maple and Mooseberry. Species present in the groundlayer include Canada Mayflower, Bunchberry, and Eastern Bracken Fern.  The effective soil texture within this community consisted of a very coarse sand. The overall depth of the soil profile was very shallow with a fresh moisture regime.
B014Tt Very Shallow, Dry to Fresh: Conifer	Unknown/Cultural	---	This tall treed coniferous forest community is dominated by White Spruce with abundant Balsam Fir and occasional White Birch. Shrubs present within the understory include Mountain Maple, American Mountain-ash and Green Alder. Species present in the ground layer include Low Sweet Blueberry, Starflower, Bunchberry, Common Clubmoss, Ground Pine, Bluebead Lily and Twinflower.  The effective soil texture within this community consisted of a fine sand. The overall depth of the soil profile was very shallow with a dry moisture regime.
B104Tt Fresh, Silty to Fine Loamy: Aspen-Birch Hardwood	ES21 Fir-Spruce Mixedwood: Fresh, Coarse Loamy Soil	B052, B050, (B053)	This tall treed hardwood forest community is dominated by Trembling Aspen, with White Birch, Balsam Fir and Black Spruce associates. In addition, Chokecherry and Green Alder are present in the understory. Species found in the ground layer include Bush Honeysuckle, Low Sweet Blueberry, Large-leaved Aster, Bluebead Lily, Canada Mayflower, Wild Sarsaparilla, Ground Pine and Bracken Fern (Pteridium aquilinum var. latiusculum) among others.  The effective soil texture within this community consisted of a sandy clay loam. The overall depth of the soil profile was moderately deep with a fresh moisture regime.

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B052Tt Dry to Fresh, Coarse: Spruce-Fir Conifer	ES16 Hardwood-Fir-Spruce Mixedwood: Sandy Soil	B040, (B041, B042, B043)	This tall treed coniferous community was dominated by Black Spruce, Balsam Fir and Trembling Aspen. Balsam Fir saplings composed the majority of the understory with some Mountain Maple and Pussy Willow also present. Groundcover was primarily composed of Low-sweet Blueberry, Wild Sarsaparilla, Bush Honeysuckle, Bunchberry, Canada Mayflower, Bluebead Lily, Large-leaved Aster, Rough-leaved Rice Grass, Cow-wheat ( <i>Melampyrum lineare</i> ) and Red Fescue ( <i>Festuca rubra</i> ).  The effective soil texture within this community consisted of a coarse sand. The overall depth of the soil profile was moderately deep with a dry moisture regime.
B119Tt Moist, Fine: Aspen-Birch Hardwood	ES12 Black Spruce-Jack Pine: Very Shallow Soil	B012, B013, B014, B016, B024, B025, B026, (B017, B018, B019,B028)	This tall treed hardwood forest community contains abundant White Birch and Balsam Fir with occasional occurrences of White Spruce and Black Spruce. Speckled Alder is present in the understory. Species found in the ground layer include Canada Mayflower, Bush Honeysuckle, Bluebead Lily, Smooth Gooseberry, Dwarf Raspberry, Large-leaved Aster and Wild Sarsaparilla.  The effective soil texture within this community consisted of a sandy clay loam. The overall depth of the soil profile was moderately deep with a fresh moisture regime.
B035Tt Dry, Sandy: Pine-Black Spruce Conifer	ES19 Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse Loamy Soil	B055, B056, B057, B058, B059	This tall treed hardwood forest community was dominated by Black Spruce with additional species consisting of Jack Pine, White Birch and Balsam Fir. Understory vegetation consisted of the above listed species in addition to Pin Cherry, Green Alder and Smooth Serviceberry. Species found in the ground layer consisted of Low-sweet Blueberry, Bush Honeysuckle, Wild Sarsaparilla, Bunchberry and Large-leaved Aster.  The effective soil texture within this community consisted of a medium sand. The overall depth of the soil profile was very shallow with a dry moisture regime.
B059Tt Dry to Fresh, Coarse: Mixedwood	ES38 Rich Swamp: Black Ash (Other Hardwood): Organic-Mineral Soil	B130, B131, B132, B133	This tall treed mixed forest community contains White Spruce, Balsam Fir and White Birch. American Mountain-ash and Mountain Maple are present in the understory. Species present in the ground layer include Bluebead Lily, Wild Sarsaparilla, Starflower and Dwarf Raspberry.  The effective soil texture within this community consisted of a sandy clay loam. The overall depth of the soil profile was moderately deep with a moist moisture regime.
B043Tt Dry, Sandy: Mixedwood	ES36 Intermediate Swamp: Black Spruce (Tamarack): Organic Soil	B128, B223, B129, B224, (B127, B222)	This tall treed mixed forest community contain abundant White Spruce in addition to White Birch, Trembling Aspen and Eastern White Cedar. Shrub species present within the understory include Mountain Maple and Green Alder. Species found in the ground layer include Starflower, Common Clubmoss, Bunchberry, Canada Mayflower, Bluebead Lily, Rose Twisted Stalk, Ground Pine, Wild Sarsaparilla and Fly Honeysuckle.  The effective soil texture within this community consisted of a silty coarse sand. The overall depth of the soil profile was moderately deep with a free moisture regime.
B043Tt Dry, Sandy: Mixedwood	ES12 Black Spruce-Jack Pine: Very Shallow Soil	B012, B013, B014, B016, B024, B025, B026, (B017, B018, B019,B028)	This tall treed mixed forest community contains abundant Black Spruce and Trembling Aspen with White Birch and White Spruce occurrences. Shrub species present within the understory include Mountain Maple, Green Alder and American Mountain-ash. Ground layer vegetation includes Low Sweet Blueberry, Canada Mayflower, Ground Pine, Fly Honeysuckle, Bunchberry, Wild Sarsaparilla, Starflower and Blue bead Lily.  The effective soil texture within this community consisted of a coarse sand. The overall depth of the soil profile was deep with a dry moisture regime.
B037Tt Dry, Sandy: Spruce-Fir Conifer	ES12 Black Spruce-Jack Pine: Very Shallow Soil	B012, B013, B014, B016, B024, B025, B026, (B017, B018, B019,B028)	This tall treed coniferous community is dominated by White Birch, Black Spruce, Balsam Fir and White Spruce. Understory vegetation consisted of Speckled Alder, Balsam Fir and White Birch. Species present in the ground layer consisted primarily of <i>Viburnum edule</i> , Tall Bluebells ( <i>Mertensia paniculata</i> ), Wild Sarsaparilla, Naked Mitrewort, Rose Twisted Stalk, violet species, Dwarf Raspberry and Bristly Clubmoss.  The effective soil texture within this community consisted of a coarse sand. The overall depth of the soil profile was deep with a dry moisture regime.
B040Tt Dry, Sandy: Aspen-Birch Hardwood	ES19 Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse Loamy Soil	B055, B056, B057, B058, B059	This tall treed hardwood forest is dominated by White Birch with Black Spruce, Jack Pine and Balsam Fir also present. Green Alder is the dominant shrub species within the understory. The ground layers most abundant species consisted of Bristly Clubmoss ( <i>Lycopodium annotinum</i> ), Bunchberry, Bush Honeysuckle, Canada Mayflower and Twinflower.  The effective soil texture within this community consisted of a very coarse sand. The overall depth of the soil profile was deep with a dry moisture regime.
B101Tt Fresh, Silty to Fine Loamy: Spruce- Fir Conifer	ES14 Pine-Spruce Mixedwood: Sandy Soil	035, B034, B036, B037 (B038)	This tall treed conifer community was dominated by Balsam Fir and White Spruce with occasional occurrences of White Birch and Showy Mountain Ash. The understory consisted of Bartram's Serviceberry and saplings of Balsam Fir, White Birch and White Spruce. Groundcover was primarily composed of Bunchberry, Low-sweet Blueberry, Bluebead Lily, Canada Mayflower, Starflower, Common Clubmoss and Creeping Snowberry.  The effective soil texture within this community consisted of a silty loam. The overall depth of the soil profile was moderate with a fresh moisture regime.



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B014Tt Very Shallow, Dry to Fresh: Conifer	ES23 Hardwood-Fir-Spruce Mixedwood: Moist, Sandy-Coarse Loamy Soil	B070, (B069, B071, B072, B073, B074, B075, B076)	White Spruce, White Birch, Black Spruce and Balsam Fir were the dominate tree species of this tall treed coniferous community. Understory vegetation consisted of American Mountain Ash and saplings of Balsam Fir and White Birch. Groundcover was primarily composed of Bunchberry, Canada Mayflower, Low-sweet Blueberry, Common Clubmoss, Creeping Snowberry, Starflower, Bluebead Lily and Twinflower.  The effective soil texture within this community consisted of a bare bedrock in addition to several pockets of soil that had accumulated in depressions. The overall depth of the soil profile was very shallow with a xeric moisture regime.
B016Tt Very Shallow, Dry to Fresh: Aspen- Birch Hardwood	ES16 Hardwood-Fir-Spruce Mixedwood: Sandy Soil	B040, (B041, B042, B043)	This tall treed hardwood was dominated by White Birch, with occasional occurrences of Black Spruce, White Spruce and Trembling Aspen. Understory vegetation was primarily composed of saplings of the above mentioned canopy species. Groundcover was primarily composed of Bluebead Lily, Bunchberry, Common Clubmoss, Prickly Tree Clubmoss, Canada Mayflower, Wild Sarsaparilla, Starflower and Labrador Tea.  The effective soil texture within this community consisted of a clay loam. The overall depth of the soil profile was very shallow with a dry moisture regime.
B059Tt Dry to Fresh, Coarse: Mixedwood	ES20 Spruce-Pine/Feathermoss: Fresh, Sandy-Coarse Loamy Soil	B049, B050	Balsam Fir and White Birch were the dominate tree species within this tall treed mixedwood community with occasional occurrences of Black Spruce. Understory vegetation consisted of Showy Mountain-ash, Mountain Maple, Beaked Hazel and Bartram's Serviceberry. Low-sweet Blueberry and Snow Berry were co-dominates in the groundcover with occurrences of Spreading Wood Fern ( <i>Dryopteris expansa</i> ), Canada Mayflower, Bunchberry, Twinflower, Stiff Clubmoss and Bush Honeysuckle.  The effective soil texture within this community consisted of a silty coarse sand. The overall depth of the soil profile was shallow with a fresh moisture regime.
B019Tt Very Shallow, Dry to Fresh: Mixedwood	ES23 Hardwood-Fir-Spruce Mixedwood: Moist, Sandy-Coarse Loamy Soil	B070, (B069, B071, B072, B073, B074, B075, B076)	The dominant tree species of this tall treed mixedwood community were Balsam Fir and White Birch with occasional occurrences of Black Spruce and Showy Mountain Ash. Balsam Fir saplings were abundant in the understory with Mountain Maple, Showy Mountain-ash and Bartram's Serviceberry associates. Bunchberry composed the majority of the groundcover with additional species consisting of Canada May Flower, Bush Honeysuckle, Starflower, Low-sweet Blueberry and Wild Sarsaparilla.  The effective soil texture within this community consisted of a loamy coarse sand. The overall depth of the soil profile was very shallow with a fresh moisture regime.
B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	ES16 Hardwood-Fir-Spruce Mixedwood: Sandy Soil	B040, (B041, B042, B043)	White Birch was the dominant tree species within this tall treed hardwood community with occasional occurrences of Black Spruce and Balsam Fir. The understory was primarily composed of Balsam Fir saplings with Mountain Maple, Showy Mountain-ash, Red-osier Dogwood and Beaked Hazelnut associates. Species that were present in abundance within the groundlayer were Sweet Coltsfoot and Stiff Clubmoss were dominant with additional common species consisting of Dwarf Raspberry, Mooseberry, Bladder Sedge, Canada Mayflower and Wild Sarsaparilla.  The effective soil texture within this community consisted of a fine sandy loam. The overall depth of the soil profile was shallow with a fresh moisture regime.
B088Tt Fresh, Clayey: Aspen-Birch Hardwood	ES19 Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse Loamy Soil	B055, B056, B057, B058, B059	White Birch, Balsam Fir and Black Spruce were the most abundant tree species in this tall treed mixedwood community. The understory was primarily composed of Balsam Fir saplings with Bartram's Serviceberry, Mountain Maple, Pussy Willow, Pin Cherry and Beaked Hazelnut occurrences. Dominant groundcover species consisted of Twinflower, Bunchberry, Bush Honeysuckle and Large-leaved Aster.  The effective soil texture within this community consisted of a sandy clay. The overall depth of the soil profile was deep with a fresh moisture regime.
B059Tt Dry to Fresh, Coarse: Mixedwood	ES12 Black Spruce-Jack Pine: Very Shallow Soil	B040, (B041, B042, B043)	This tall treed mixedwood community was co-dominated by White Birch and Balsam Fir with occasional occurrences of Trembling Aspen and Black Spruce. Balsam Fir and White Birch saplings were abundant in the understory with occasional occurrences of Mountain Maple, Pin Cherry and Beaked Hazelnut. Groundcover was mainly composed of Bunchberry, Bluebead Lily, Twinflower, Wild Sarsaparilla, Bush Honeysuckle and Large-leaved Aster.  The effective soil texture within this community consisted of a medium sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B024Tt Very Shallow, Humid: Black Spruce-Pine Conifer	ES16 Hardwood-Fir-Spruce Mixedwood: Sandy Soil	B040, (B041, B042, B043)	This tall treed coniferous forest community contains abundant Black Spruce and White Birch with occasional Balsam Fir and Showy Mountain. The understory contains Speckled Alder and Choke Cherry. Species found in the ground layer include Common Clubmoss, Bunchberry, Common Oak Fern and Bluebead Lily.  The effective soil texture within this community consisted of a loam. The overall depth of the soil profile was very shallow with a fresh moisture regime.
B024Tt Very Shallow, Humid: Black Spruce-Pine Conifer	ES20 Spruce-Pine/Feathermoss: Fresh, Sandy-Coarse Loamy Soil	B049, B050	This low treed coniferous forest community is dominated by Black Spruce with occasional White Birch with Showy Mountain-ash in the sub-canopy. Shrub species present within the understory include Speckled Alder and Pin Cherry. Species found in the ground layer include Labrador Tea, Low Sweet Blueberry, Leatherleaf, Creeping Snowberry and Bunchberry as well as various sedges and sphagnum mosses ( <i>Sphagnum</i> sp.).  The effective soil texture within this community consisted of loam. The overall depth of the soil profile was shallow with a humid moisture regime.

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B052Tt Dry to Fresh, Coarse: Spruce-Fir Conifer	ES25 Pine-Spruce/Feathermoss: Fresh, Silty Soil	B098, B099	This tall treed coniferous community is dominated by Black Spruce with occasional occurrences of White Birch. Understory vegetation also consisted of Black Spruce and White Birch. Species present in the ground layer consisted primarily of Low-sweet Blueberry, Labrador Tea, Bunchberry, Twinflower, Starflower and Pink Moccasin Flower ( <i>Cypripedium acaule</i> ).  The effective soil texture within this community consisted of a very fine sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B019Tt Very Shallow, Dry to Fresh: Mixedwood	ES38 Rich Swamp: Black Ash (Other Hardwood): Organic-Mineral Soil	B130, B131, B132, B133	This tall treed mixedwood community is dominated by White Birch and Balsam Fir with occasional occurrences of White Spruce. Understory vegetation consisted of Mountain Maple, Balsam Fir, Beaked Hazelnut, Trembling Aspen and Red-berried Elderberry. Species present in the ground layer consisted primarily of Mountain Maple, Spinulose Wood Fern, Northern Beech Fern, Bush Honeysuckle, Bluebead Lily, Bunchberry, Canada Mayflower and Wild Sarsaparilla.  The effective soil texture within this community consisted of a silty clay loam. The overall depth of the soil profile was very shallow with a fresh moisture regime.
B068Tt Moist, Coarse: Conifer	ES21 Fir-Spruce Mixedwood: Fresh, Coarse Loamy Soil	B052, B050, (B053)	This tall treed coniferous forest community contains abundant White Spruce, with occasional Balsam Fir and White Birch with Black Spruce abundant in the sub-canopy. American Mountain-ash, Pin Cherry and Green alder are present in the understory. The ground layer includes Bluebead Lily, Wild Sarsaparilla, Bunchberry, Twinflower, Mooseberry and Low Sweet Blueberry.  The effective soil texture within this community consisted of a loamy fine sand. The overall depth of the soil profile was moderately deep with a moist moisture regime.
B043Tt Dry, Sandy: Mixedwood	ES37 Rich Swamp: Cedar (Other Conifer): Organic Soil	B129, B224, (B128, B223)	This tall treed mixed forest community contains abundant White Birch and Balsam Fir, with occasional Black Spruce. Shrub species present within the understory include American Mountain-ash and Mountain Maple. Species found in the ground layer include Common Clubmoss, Canada Mayflower, Ground Pine, Bluebead Lily, Wild Sarsaparilla, Bunchberry, Skunk Currant and Starflower.  The effective soil texture within this community consisted of a coarse sand. The overall depth of the soil profile was deep with a dry moisture regime.
B035Tt Dry, Sandy: Pine-Black Spruce Conifer	ES25 Pine-Spruce/Feathermoss: Fresh, Silty Soil	B098, B099	This tall treed coniferous forest community contains abundant Black Spruce, with occasional Balsam Fir, White Spruce and White Birch. Species found in the understory include American Mountain-ash, Speckled Alder, Mountain Maple and Red-osier Dogwood. Ground layer vegetation includes Red Raspberry, Bluebead Lily, Rose Twisted Stalk, Bunchberry, Mooseberry, Ground Pine, Goldthread and Twinflower.  The effective soil texture within this community consisted of a medium sand. The overall depth of the soil profile was moderately deep with a dry moisture regime.
B019Tt Very Shallow, Dry to Fresh: Mixedwood	ES13 Jack Pine-Conifer: Dry-Moderately Fresh, Sandy Soil	B034	This tall treed mixed forest community is dominated by Balsam Fir, with occasional White Birch and Trembling Aspen, and rare occurrences of Jack Pine with Mountain Maple present in the understory. Species found in the ground vegetation layer include Bunchberry, Starflower, Bluebead Lily, Fly Honeysuckle, Wild Sarsaparilla, Large-leaved Aster, Bush Honeysuckle, Low Sweet Blueberry, Twinflower and Mooseberry.  The effective soil texture within this community consisted of a silty loam. The overall depth of the soil profile was shallow with a fresh moisture regime.
B053Tt Dry to Fresh, Coarse: Conifer	ES16 Hardwood-Fir-Spruce Mixedwood: Sandy Soil	B040, (B041, B042, B043)	This tall treed coniferous forest community was dominated by Balsam Fir, Black Spruce and Jack Pine with occasional occurrences of White Birch. Mountain Maple, Pin Cherry, Pussy Willow and Balsam Fir were the dominant vegetation in the understory. The ground layer was primarily composed of Labrador Tea, Twinflower, Bunchberry, Showy Mountain-ash, Low-sweet Blueberry, Canada Mayflower, Large-leaved Aster and Woodland Horsetail.  The effective soil texture within this community consisted of a silty coarse sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B059Tt Dry to Fresh, Coarse: Mixedwood	ES20 Spruce-Pine/Feathermoss: Fresh, Sandy-Coarse Loamy Soil	B049, B050	Balsam Fir and White Birch were the co-dominant species within both the canopy and sub-canopy of this tall treed forest community. Understory vegetation consisted mainly of Mountain Maple and Green Alder. Ground cover vegetation consisted of Common Clubmoss, Bunchberry, Woodland Horsetail, Spinulose Woodfern and Common Oak Fern.  The effective soil texture within this community consisted of a silty fine sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B052Tt Dry to Fresh, Coarse: Spruce-Fir Conifer	B049Tt Dry to Fresh, Coarse: Jack Pine-Black Spruce Dominated	---	Black Spruce was the dominant species in this tall treed coniferous community with occasional occurrences of White Birch and Balsam Fir. Green Alder, Balsam Fir, Mountain Maple, Showy Mountain-ash and Pin Cherry comprised the majority of the understory vegetation. Groundcover was primarily composed of Labrador Tea, Creeping Snowberry, Low-sweet Blueberry, Bunchberry, Canada Mayflower, Starflower, Bluebead Lily and Northern Commandra.  The effective soil texture within this community consisted of a coarse sand. The overall depth of the soil profile was shallow with a fresh moisture regime.

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B059Tt Dry to Fresh, Coarse: Mixedwood	B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	---	<p>This tall treed mixedwood community was dominated by Balsam Fir, White Birch and Black Spruce with rare occurrences of White Spruce. Green Alder, Mountain Maple and Pin Cherry were present in the understory along with saplings of Balsam Fir. Groundcover was primarily composed of Common Oak Fern, Northern Beech Fern, Bunchberry, Twinflower, Starflower, Canada Mayflower, Creeping Snowberry, Bluebead Lily, Mountain Cranberry and Low-sweet Blueberry.</p> <p>The effective soil texture within this community consisted of a coarse sand. The overall depth of the soil profile was shallow with a fresh moisture regime.</p>
B043Tt Dry, Sandy: Mixedwood	B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	---	<p>This mixed forest community's canopy and sub-canopy is dominated by White Birch with White Spruce, Balsam Fir, and Showy Mountain-ash also present. The understory was composed of Mountain Maple, American Mountain-ash and saplings of the above mentioned canopy tree species. Ground layer vegetation species include Bluebead Lily, Spinulose Wood Fern, Canada Mayflower and Starflower.</p> <p>The effective soil texture within this community consisted of a medium sand. The overall depth of the soil profile was deep with a dry moisture regime.</p>
B043Tt Dry, Sandy: Mixedwood	B040Tt Dry, Sandy: Aspen-Birch Hardwood	---	<p>This tall treed mixed forest community contains abundant White Spruce, White Birch and Balsam Fir. American Mountain-ash is also present in the sub-canopy. The understory was composed primarily of Mountain Maple and American Mountain-ash. Species found in the ground layer include Canada Mayflower, Bluebead Lily and Spinulose Wood Fern.</p> <p>The effective soil texture within this community consisted of a medium sand. The overall depth of the soil profile was deep with a dry moisture regime.</p>
B116Tt Moist, Fine: Spruce-Fir Conifer	B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	---	<p>This tall treed coniferous forest community is dominated by White Spruce with abundant White Birch and Balsam Fir with occasional Balsam Poplar also present. Shrub species within the understory primarily consisted of Mountain Maple and Red-osier Dogwood. Species found in the ground layer include Mooseberry (<i>Viburnum edule</i>), Dwarf Raspberry, Wild Sarsaparilla and Common Clubmoss.</p> <p>The effective soil texture within this community consisted of a silt. The overall depth of the soil profile was deep with a fresh moisture regime.</p>
B117Tt Moist, Fine: Conifer	B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	---	<p>This coniferous forest community contains abundant Black Spruce and Balsam Poplar, with White Birch also present in the sub-canopy. Shrubs present within the understory include Red-osier Dogwood, Showy Mountain-ash and Mountain Maple. Species found in the ground layer include Bunchberry, Starflower, Mooseberry, Northern Oak Fern (<i>Gymnocarpium dryopteris</i>), Woodland Strawberry, Wild Sarsaparilla, Canada Anemone (<i>Anemone canadensis</i>), Bluebead and Fragrant Bedstraw among others.</p> <p>The effective soil texture within this community consisted of a silty clay. The overall depth of the soil profile was deep with a moist moisture regime.</p>
B019Tt Very Shallow, Dry to Fresh: Mixedwood	B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	---	<p>This tall treed mixed forest community's canopy and sub-canopy is dominated by White Birch with occasional occurrences of Black Spruce. Species present in the ground level vegetation include Labrador Tea, Creeping Snowberry, Sphagnum Moss, Bunchberry, Low Sweet Blueberry, Common Oak Fern, Canada Mayflower and Bluebead Lily.</p> <p>The effective soil texture within this community consisted of a silty loam. The overall depth of the soil profile was very shallow with a dry moisture regime.</p>
B026Tt Very Shallow Humid: Conifer	B049Tt Dry to Fresh, Coarse: Jack Pine-Black Spruce Dominated	---	<p>The polygon was dominated by Black Spruce with occasional occurrences of Balsam Fir and Tamarack. Both the sub-canopy and understory were composed almost entirely of the saplings of the above mentioned canopy tree species. Low-sweet Blueberry, Labrador Tea and Creeping Snowberry were the dominant vegetation species along with several moss species.</p> <p>The effective soil texture within this community consisted of a folic fermented organic soil directly over bedrock. The overall depth of the soil profile was very shallow with a humid moisture regime.</p>
B014Tt Very Shallow, Dry to Fresh: Conifer	B065Tt Moist, Coarse: Black Spruce - Pine Conifer	---	<p>This tall treed coniferous forest community is dominated by Black Spruce, with Balsam Fir and White Birch associates. Bartram's Serviceberry, Labrador Tea, Showy Mountain-ash and Upland Willow (<i>Salix humilis</i>) are present in the understory. Species present in the ground layer include Low Sweet Blueberry, Bunch Berry, Reindeer lichen, Creeping Snowberry and Sphagnum moss.</p> <p>The effective soil texture within this community consisted of a coarse sandy loam. The overall depth of the soil profile was very shallow with a dry moisture regime.</p>
B059Tt Dry to Fresh, Coarse: Mixedwood	B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	---	<p>This tall treed forest community contains occasional White Birch, Black Spruce and Balsam Fir. Showy Mountain-ash is also present in the sub-canopy. The understory is mainly composed of Labrador Tea, Green Alder and Bartram's Serviceberry. Species present in the ground layer include Bunchberry, Bluebead Lily, Low Sweet Blueberry, Twinflower, Canada Mayflower, Ground Pine, Bristly Clubmoss and Pink Moccasin Flower.</p> <p>The effective soil texture within this community consisted of a loam. The overall depth of the soil profile was shallow with a fresh moisture regime.</p>

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B059Tt Dry to Fresh, Coarse: Mixedwood	B065Tt Moist, Coarse: Black Spruce - Pine Conifer	---	This tall treed mixed forest community is dominated by Black Spruce with White and Balsam Fir associates with American Mountain-ash present in the understory. Species present in the ground layer include Bluebead Lily, Bunchberry, Sphagnum moss, Canada Mayflower, Wild Sarsaparilla, Starflower and Twinflower.  The effective soil texture within this community consisted of a loam. The overall depth of the soil profile was very shallow with a dry moisture regime.
B059Tt Dry to Fresh, Coarse: Mixedwood	B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	---	This tall treed forest community contained White Birch, Black Spruce and Balsam Fir in equal abundance. Mountain Maple was also present in abundance within the understory in addition to the canopy tree species. Groundcover species primarily consisted of Wild Sarsaparilla, Wild Red Raspberry, Spinulose Wood Fern, Low-sweet Blueberry, Bunchberry and Common Oak Fern.  The effective soil texture within this community consisted of a silty fine sand. The overall depth of the soil profile was moderately deep with a fresh moisture regime.
B053Tt Dry to Fresh, Coarse: Conifer	B050Tt Dry to Fresh, Coarse: Pine - Black Spruce Conifer	---	This tall treed coniferous forest community is dominated by Black Spruce with abundant White Birch and occasional Balsam Fir. Shrub species present within the understory include American Mountain-ash and Mountain Maple. Species found in the ground layer include Common Wood-sorrel (Oxalis montana), Bluebead Lily, Low Sweet Blueberry, Twinflower, Canada Mayflower, Bristly Clubmoss and Goldthread.  The effective soil texture within this community consisted of a very fine sandy loam. The overall depth of the soil profile was shallow with a fresh moisture regime.
B059TI Dry to Fresh, Coarse: Mixedwood	B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	----	This low treed mix wood community was dominated by Balsam Fir, Showy Mountain Ash, White Birch and Black Spruce. The understory was primarily composed of Balsam Fir, Mountain Maple, Beaked Hazelnut, Showy Mountain-ash and Pussy Willow. Groundcover consisted of Ground-pine, Canada Yew (Taxus Canadensis), Bunchberry, Bluebead Lily, Common Oak Fern, Common Clubmoss, Canada Mayflower and Bristly Clubmoss.  The effective soil texture within this community consisted of a coarse sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B108Tt Fresh, Silty to Fine Loamy: Mixedwood	B197X	---	This tall treed mixed forest community contains White Birch as the dominant species, with occasional White Spruce and Balsam Fir. Showy Mountain-ash, Mountain Maple and Smooth Serviceberry are also present in the understory. Species found in the ground layer include Bunchberry, Wild Sarsaparilla, Bluebead Lily, Bush Honeysuckle, Canada Mayflower, Spinulose Wood Fern, Bristly Clubmoss and Low Sweet Blueberry among others.  The effective soil texture within this community consisted of a silty clay loam. The overall depth of the soil profile was shallow with a fresh moisture regime.
B014Tt Very Shallow, Dry to Fresh: Conifer	B024Tt Very Shallow, Humid: Black Spruce-Pine Conifer	---	This tall treed coniferous forest community contains occasional Balsam Fir, Black Spruce, White Spruce and White Birch with Showy Mountain-ash present in the sub-canopy. Shrubs present within the understory include Mountain Maple, American Mountain-ash and Round-leave Serviceberry (Amelanchier sanguinea var. sanguinea). Species found in the ground layer include Common Wood-sorrel, Spinulose Wood Fern, Common Oak Fern, Northern Beech Fern, Wild Sarsaparilla, Bunchberry, Bluebead Lily and Labrador Tea.  The effective soil texture within this community consisted of a fine sandy loam. The overall depth of the soil profile was (<5cm) with a xeric moisture regime.
B043Tt Dry, Sandy: Mixedwood	B012Tt Very Shallow, Dry to Fresh: Pine-Black Spruce Conifer	---	This tall treed mixed forest community contains abundant White Birch, with occasional Balsam Fir and Black Spruce associates. Shrub species present within the understory include willows species, American Mountain-ash, Showy Mountain-ash and Bartram's Serviceberry. Species found in the ground vegetation include Eastern Bracken Fern, Bush Honeysuckle, Bunchberry, Twin Flower and Low Sweet Blueberry.  The effective soil texture within this community consisted of a fine sandy fine sandy. The overall depth of the soil profile was very shallow with a xeric moisture regime.
B019TI Very Shallow, Dry to Fresh: Mixedwood	B016Tt Very Shallow, Dry to Fresh: Aspen-Birch Hardwood	---	This low treed forest community is co-dominated by Black Spruce and Balsam Fir with occasional White Birch also present. The understory was comprised of Pin Cherry and Bartram's Serviceberry. Groundcover was primarily composed of Bunchberry, Mountain Fly Honeysuckle, Low-sweet Blueberry, Bluebead Lily and Canada Mayflower.  The effective soil texture within this community consisted of mineral soils directly over bedrock. The overall depth of the soil profile was very shallow with a fresh moisture regime.
B012TI Very Shallow, Dry to Fresh: Pine-Black Spruce Conifer	B014Tt Very Shallow, Dry to Fresh: Conifer	---	Black Spruce was the dominant species in this low treed coniferous community, with occasional occurrences of White Birch, Balsam Fir and Tamarack. The understory was composed of Pin Cherry, Pussy Willow, Plane-leaved Willow and saplings of Balsam Fir and Black Spruce. Groundcover was primarily composed of Bush Honeysuckle, Low-sweet Blueberry, Tufted Hairgrass (Deschampsia cespitosa), Cow-wheat, Labrador Tea and Bunchberry.  The effective soil texture within this community consisted of a coarse sand. The overall depth of the soil profile was very shallow with a dry moisture regime.



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B052Tt Dry to Fresh, Coarse: Spruce-Fir Conifer	B065Tt Moist, Coarse: Black Spruce - Pine Conifer	---	Black Spruce was the dominant species with the canopy and sub-canopy of this tall treed community with occasional occurrences of Balsam Fir. The understory was also dominated by the sapling of the above mentioned canopy species with occurrences of Mountain Maple, Low Shadbush and Bartram's Serviceberry occurring sporadically. Low shrubs consisting of Low-sweet Blueberry and Labrador tea were the dominant groundcover species present. Other common groundcover species include Bunchberry, Twinflower, Canada Mayflower, Bluebead Lily and False Medic.  The effective soil texture within this community consisted of a silty fine sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B012Tt Very Shallow, Dry to Fresh: Pine- Black Spruce Conifer	B014Tt Very Shallow, Dry to Fresh: Conifer	---	Black Spruce was the dominant species in the tall treed coniferous community, with occasional occurrences of White Birch and Balsam Fir, and rare occurrences of Jack Pine and Tamarack. The understory was primarily composed of Black Spruce, Balsam Fir and White Birch saplings along with Pussy Willow. Groundcover was primarily composed of Leatherleaf, Labrador Tea, Low-sweet Blueberry and Bearberry.  The effective soil texture within this community consisted of a fine sand. The overall depth of the soil profile was very shallow with a dry moisture regime.
B101Tt Fresh, Silty to Fine Loamy: Spruce- Fir Conifer	B065Tt Moist, Coarse: Black Spruce - Pine Conifer	---	Black Spruce was the dominant tree species in this tall treed coniferous community, with occasional occurrences of Balsam Poplar, White Birch, Balsam Fir and Showy Mountain Ash. Understory vegetation consisted mostly of Bartram's Serviceberry, Pin Cherry, Showy Mountain-ash and Pussy Willow with saplings of Balsam Fir, Balsam Poplar and Trembling Aspen. Groundcover was primarily composed of Bearberry, Low-sweet Blueberry, Labrador Tea, Bunchberry, Prickly Wild Rose, Tufted Hairgrass, Woodland Horsetail and Starflower.  The effective soil texture within this community consisted of a silty fine sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B052Tt Dry to Fresh, Coarse: Spruce-Fir Conifer	B065Tt Moist, Coarse: Black Spruce - Pine Conifer	---	Black Spruce was the dominant tree species within both the canopy and sub-canopies of this forest community with Balsam Fir occurring occasionally. The understory was also primarily composed of the canopy species. Groundcover was primarily composed of Low-sweet Blueberry, Labrador Tea, Bunchberry, Canada Mayflower, Twinflower, Red Baneberry and Mooseberry.  The effective soil texture within this community consisted of a silty fine sand. The overall depth of the soil profile was shallow with a fresh moisture regime.
B085Tt Fresh, Clayey: Spruce-Fir Conifer	B065Tt Moist, Coarse: Black Spruce - Pine Conifer	---	This tall treed coniferous forest community's canopy and sub-canopy is dominated by White and Black Spruce with Balsam Fir also present. In addition, Pussy Willow was also present with in the understory. Species found in the ground layer include Low Sweet Blueberry, Prickly Wild Rose, Labrador Tea, Bunchberry, Leatherleaf and Three-leaved False Solomon's Seal.  The effective soil texture within this community consisted of a silty clay. The overall depth of the soil profile was deep with a fresh moisture regime.
B102Tt Fresh, Silty to Fine Loamy: Conifer	B035Tt Dry, Sandy: Pine - Black Spruce Conifer	---	This tall treed coniferous forest community is dominated by Black spruce with in both the canopy and sub-canopy in addition to occasional occurrences of White Birch and Balsam Fir. The understory was composed mainly of the canopy species with the additional of Mountain Maple. Labrador Tea, Small Cranberry, Creeping Snowberry, Bristly Clubmoss and Low Sweet Blueberry are the main species present in the ground layer.  The effective soil texture within this community consisted of a sandy clay loam. The overall depth of the soil profile was deep with a fresh moisture regime.
B019Tt Very Shallow, Dry to Fresh: Mixedwood	B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	---	This tall treed mixed forest community is dominated by White Birch with abundant White Spruce and occasional Balsam Fir with Showy Mountain-ash present in the sub-canopy. Shrub species present within the understory include Mountain Maple. Species found in the ground layer include Rock Polypody (Polypodium virginianum), Common Oak Fern, Bunchberry and Reindeer Lichen. A small rock barren inclusion was also present within this community.  The effective soil texture within this community consisted of a coarse sandy loam. The overall depth of the soil profile was very shallow with a dry moisture regime.
B012Tt Very Shallow, Dry to Fresh: Pine- Black Spruce Conifer	B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	---	Black spruce was the dominant species present within the canopy and sub-canopy of this tall treed forest community with White Birch and Balsam Fir also present as associates. In addition, Green Alder, Pin Cherry, Showy Mountain Ash and Bartram's Serviceberry were also present with the understory. Groundcover species were primarily composed of Three-toothed Cinquefoil (Sibbaldiopsis tridentata), Starflower, Tufted Hairgrass, Bush Honeysuckle and Bluebead Lily.  The effective soil texture within this community consisted of a loamy fine sand. The overall depth of the soil profile was very shallow with a dry moisture regime.
B035TI Dry, Sandy: Pine-Black Spruce Conifer	B049Tt Dry to Fresh, Coarse: Jack Pine-Black Spruce Dominated	---	This low treed forest community's canopy and sub-canopy was dominated Black Spruce with additional species consisting of White Spruce and White Birch. The understory was also composed of White Spruce with Pussy Willow also present. The groundcover was primarily composed of Canada Mayflower, Bunchberry, Bush Honeysuckle, Labrador Tea and Low-sweet Blueberry.  The effective soil texture within this community consisted of a very coarse sand. The overall depth of the soil profile was deep with a dry moisture regime.

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B052TI Dry to Fresh, Coarse: Spruce-Fir Conifer	B049Tt Dry to Fresh, Coarse: Jack Pine-Black Spruce Dominated	---	Black Spruce was the dominant tree species within the canopy of this low treed coniferous community with White Birch and Balsam Fir occurring as associates. Pussy Willow, Bartram's Serviceberry, American Mountain-ash and saplings of Balsam Fir and Black Spruce comprised the majority of the vegetation within the understory. Groundcover was primarily composed of Bunchberry, Bush Honeysuckle, Canada Mayflower, Bluebead Lily, Fireweed, Prickly Wild Rose and Twinflower.  The effective soil texture within this community consisted of a coarse sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B052TI Dry to Fresh, Coarse: Spruce-Fir Conifer	B052TI Dry to Fresh, Coarse: Spruce-Fir Conifer	---	This low treed coniferous forest community's canopy contains abundant White Spruce and White Birch, with occasional Balsam Fir and Black Spruce. In addition to the canopy species Showy Mountain-ash and Mountain Maple are present in the sub-canopy. Shrub species present within the understory include Mountain Maple and Highbush Cranberry ( <i>Viburnum trilobum</i> ). Species occurring in the ground vegetation layer include Wild Sarsaparilla, Bluebead Lily, Bunchberry, Bush Honeysuckle, Northern Beech Fern, Canada Mayflower and Common Clubmoss.  The effective soil texture within this community consisted of a coarse sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B052TI Dry to Fresh, Coarse: Spruce-Fir Conifer	B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	---	This low treed coniferous community was dominated by Balsam Fir, Black Spruce with occasional occurrences of White Birch with both the canopy and sub-canopy. The understory was primarily composed of Pussy Willow and Green Alder with saplings of the canopy species also present. Groundcover was primarily composed of Bunchberry, Bluebead Lily, Twinflower, Wild Sarsaparilla, Common Clubmoss, Low-sweet Blueberry, Cow-wheat, and Eastern Bracken Fern.  The effective soil texture within this community consisted of a coarse sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B053TI Dry to Fresh, Coarse: Conifer	B052Tt Dry to Fresh, Coarse: Spruce-Fir Conifer	---	This low treed coniferous forest community is dominated by Balsam Fir with the canopy, with rare occurrences of Showy Mountain-ash and White Birch in the sub-canopy. Shrub species present within the understory consisted of Mountain Maple and American Mountain-ash. Species found in the ground layer include Spinulose Wood Fern, Canada Mayflower, Bluebead Lily, Common Oak Fern, Wild Sarsaparilla, Bunchberry and Rose Twisted Stalk among others.  The effective soil texture within this community consisted of a coarse sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B059TI Dry to Fresh, Coarse: Mixedwood	B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	---	This low treed mixed forest community's canopy and sub-canopy contains abundant Balsam Fir and White Birch with Trembling Aspen, and White Spruce also present. Beaked Hazelnut and Showy Mountain-ash also abundant in the understory layer. Species found in the ground layer include Eastern Bracken Fern, Bush Honeysuckle, Low Sweet Blueberry, Wild Sarsaparilla, Bunchberry and Canada Mayflower among others.  The effective soil texture within this community consisted of a medium. The overall depth of the soil profile was deep with a fresh moisture regime.
B055TI Dry to Fresh, Coarse: Aspen-Birch Hardwood	B119Tt Moist, Fine: Aspen - Birch Hardwood	---	This low treed hardwood forest community's canopy and sub-canopy is dominated by Trembling Aspen with White Birch, Balsam Fir and White Spruce associates. Shrub species present within the understory include Bartram's Serviceberry and Beaked Hazelnut. Species found in the ground layer include Eastern Bracken Fern, Bush Honeysuckle, Wild Sarsaparilla, Bunchberry, Low Sweet Blueberry, Bluebead Lily, Canada Mayflower and Twinflower.  The effective soil texture within this community consisted of a coarse sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B052Tt Dry to Fresh, Coarse: Spruce-Fir Conifer	B104Tt Fresh, Silty to Fine Loamy: Aspen - Birch Hardwood	---	This tall treed coniferous forest community's canopy and sub-canopy is dominated by Black Spruce with abundant Trembling Aspen and occasional White Birch. Species present in the understory include Bartram's Serviceberry and American Mountain-ash. Species present in the ground layer include Bunchberry, Bush Honeysuckle, Early Coralroot ( <i>Corallorhiza trifida</i> ), Starflower, Low Sweet Blueberry, Canada Mayflower, Wild Sarsaparilla, Labrador Tea, Bluebead Lily, Common Yarrow ( <i>Achillea millefolium</i> ssp. <i>millefolium</i> ) and Bearberry among others.  The effective soil texture within this community consisted of a fine sand. The overall depth of the soil profile was deep with a fresh moisture regime. A boulder field is also present in this polygon.
B049Tt Dry to Fresh, Coarse: Jack Pine- Black Spruce Dominated	B065Tt Moist, Coarse: Black Spruce - Pine Conifer	---	This tall treed coniferous forest community's canopy is dominated by Black Spruce with abundant Tamarack also present. In addition to the canopy species, Showy Mountain-ash and White Birch also occur occasionally in the sub-canopy. Shrub species present within the understory include Bartram's Service Berry and Red-osier Dogwood. Species found in the groundlayer vegetation include Labrador Tea, Low Sweet Blueberry, Bunchberry, Canada Mayflower and Creeping Snowberry among others.  The effective soil texture within this community consisted of a medium sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	---	This tall treed hardwood forest community's canopy and sub-canopy contains abundant Trembling Aspen and Black Spruce with occasional Balsam Fir. Shrub species present within the understory include Bartram's Serviceberry, Shining Willow ( <i>Salix lucida</i> ), Mooseberry and Choke Cherry. Species found in the ground vegetation include Bluebead Lily, Dwarf Raspberry, Canada Mayflower, Starflower, Meadow Horsetail ( <i>Equisetum pratense</i> ), Bunchberry, Fragrant Bedstraw, Tall Bluebells ( <i>Mertensia paniculata</i> ) and Prickly Wild Rose.  The effective soil texture within this community consisted of a loamy medium sand. The overall depth of the soil profile was deep with a fresh moisture regime.

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B049Tt Dry to Fresh, Coarse: Jack Pine-Black Spruce Dominated	ES12 Black Spruce-Jack Pine: Very Shallow Soil	B012, B013, B014, B016, B024, B025, B026, (B017, B018, B019, B028)	Black Spruce was the dominant canopy species within this tall treed coniferous community with occasional occurrences of White Birch also present. The understory primarily consisted of saplings of the canopy species. Species present in the ground layer included Bunchberry, Eastern Bracken Fern, Creeping Snowberry, Goldthread, American Mountain-ash, Bluebead Lily, Low-sweet Blueberry and Velvetleaf Blueberry ( <i>Vaccinium myrtilloides</i> ).  The effective soil texture within this community consisted of a silty sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B049Tt Dry to Fresh, Coarse: Jack Pine-Black Spruce Dominated	ES12 Black Spruce-Jack Pine: Very Shallow Soil	B012, B013, B014, B016, B024, B025, B026, (B017, B018, B019, B028)	This tall treed coniferous community's canopy and sub-canopy is dominated by Black Spruce with occasional occurrences of White Birch and Balsam Fir. Black Spruce, White Birch and American Mountain-ash are also abundant within the understory. Species present in the ground layer consisted primarily of Low-sweet Blueberry, Bunchberry, Trailing Arbutus ( <i>Epigaea repens</i> ), Creeping Snowberry, Eastern Bracken Fern, Velvetleaf Blueberry and Bluebead Lily.  The effective soil texture within this community consisted of a loamy fine sand. The overall depth of the soil profile was moderately deep with a fresh moisture regime.
B024Tt Very Shallow, Humid: Black Spruce-Pine Conifer	ES21 Fir-Spruce Mixedwood: Fresh, Coarse Loamy Soil	B052, B050, (B053)	This tall treed forest community's canopy and sub-canopy was dominated by Black Spruce with occasional occurrences of White Birch. The understory was also dominated by Black Spruce with White Birch, Balsam Fir and American Mountain Ash associates. Groundcover species were primarily composed of Bunchberry, Eastern Bracken Fern, Pink Moccasin Flower, Low-sweet Blueberry, Velvetleaf Blueberry, Interrupted Fern, Goldthread, Labrador Tea and Creeping Snowberry.  The effective soil texture within this community consisted of a folic fermented organic soil directly over bedrock. The overall depth of the soil profile was shallow with a humid moisture regime.
B052Tt Dry – Fresh Spruce-Fir Conifer	ES16 Hardwood-Fir-Spruce Mixedwood: Sandy Soil	B040, (B041, B042, B043)	White Spruce and Black Spruce were co-dominants within the canopy of this community. In addition to these species occasional occurrences of Balsam Fir and Red Maple ( <i>Acer Rubrum</i> ) were present in the sub-canopy. Balsam Fir, Mountain Maple, Speckled Alder, Green Alder and American Mountain-ash comprised the majority of the understory vegetation. Species present in the ground layer consisted primarily of Goldthread, Bush Honeysuckle, Wild Sarsaparilla, Bristly Clubmoss, Bluebead Lily, Eastern Bracken Fern, and Low-sweet Blueberry.  The effective soil texture within this community consisted of a loamy very fine sand. The overall depth of the soil profile was moderate with a fresh moisture regime.
B098Tt Fresh, Silty to Fine Loamy: Black Spruce-Jack Pine Dominated	ES21 Fir-Spruce Mixedwood: Fresh, Coarse Loamy Soil	B052, B050, (B053)	This tall treed conifer community's canopy and sub-canopy was dominated by Black Spruce with occasional occurrences of White Birch. The understory was dominated by saplings of Black Spruce and White Birch. Species present in the ground layer consisted primarily of Creeping Snowberry, Low-sweet Blueberry, Velvetleaf Blueberry, Bluebead Lily, Trailing Arbutus, Labrador Tea and Bunchberry.  The effective soil texture within this community consisted of a silty loam. The overall depth of the soil profile was moderately deep with a fresh moisture regime.
B052Tt Dry – Fresh Spruce-Fir Conifer	ES12 Black Spruce-Jack Pine: Very Shallow Soil	B040, (B041, B042, B043)	Black Spruce was the dominant tree species within the canopy and sub-canopy of this community with occasional occurrences of Trembling Aspen and White Birch also present. Sapling of Black Spruce and White Birch comprised the majority of the understory along with Bartram's Serviceberry and Upland Willow. Understory vegetation consisted of Low-sweet Blueberry, Velvetleaf Blueberry, Bunchberry, Canada Mayflower, Trailing Arbutus and Creeping Snowberry.  The effective soil texture within this community consisted of a silty very fine sand. The overall depth of the soil profile was shallow with a fresh moisture regime.
B049Tt Dry to Fresh, Coarse: Jack Pine-Black Spruce Dominated	Unknown/Cultural	---	This tall treed forest community's canopy and sub-canopy was primarily composed of Jack Pine and Black Spruce in equal abundance. Groundcover consisted primarily of Low-sweet Blueberry, Bush Honeysuckle, Canada Mayflower, Bunchberry and Starflower.  The effective soil texture within this community consisted of a fine sandy loam. The overall depth of the soil profile was moderate with a fresh moisture regime.
B049Tt Dry to Fresh, Coarse: Jack Pine-Black Spruce Dominated	Unknown/Cultural	---	This tall treed forest community's canopy, sub-canopy and understory were primarily composed of Jack Pine and Black Spruce. Common species that were present within the groundlayer consisted of Bunchberry, Cow-wheat, Bluebead Lily, Canada Mayflower, and Low-sweet Blueberry.  The effective soil texture within this community consisted of a loamy fine sand. The overall depth of the soil profile was moderate with a fresh moisture regime.
B019Tt Very Shallow, Dry to Fresh: Mixedwood	ES21 Fir-Spruce Mixedwood: Fresh, Coarse Loamy Soil	B052, B050, (B053)	This tall treed forest community's canopy was co-dominated by Black Spruce and White Birch with occasional occurrences of Balsam Fir. In addition to this species Showy Mountain-ash and Low Shadbush Serviceberry ( <i>Amelanchier humilis</i> ) also occurred in the sub-canopy and understory. Goldthread, Bunchberry, Velvetleaf Blueberry, Low-sweet Blueberry, Creeping Snowberry and Spinulose Wood Fern composed the majority of the groundcover vegetation present.  The effective soil texture within this community consisted of a loam. The overall depth of the soil profile was very shallow with a dry moisture regime.



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B100Tt Fresh, Silty to Fine Loamy: Cedar (Hemlock) Conifer	ES16 Hardwood-Fir-Spruce Mixedwood: Sandy Soil	B040, (B041, B042, B043)	This tall treed forest community's canopy and sub-canopy was dominated by Eastern White Cedar and White Birch with occasional occurrences of Black Spruce also present. In addition, the understory was composed mainly of above mentioned canopy species in addition to Mountain Maple. Groundcover vegetation primarily consisted of Oval-leaved Blueberry ( <i>Vaccinium ovalifolium</i> ), Low-sweet Blueberry, Bluebead Lily, Bunchberry and Velvetleaf Blueberry.  The effective soil texture within this community consisted of a silty loam. The overall depth of the soil profile was moderately deep with a fresh moisture regime.
B014Tt Very Shallow, Dry to Fresh: Conifer	Unknown/Cultural	---	Eastern White Cedar and Black Spruce were co-dominants within canopy and sub-canopy this tall treed forest community with additional tree species consisting of Balsam Fir and White Birch. The understory was mainly composed of the species found in the canopy in addition to Low Shadbush Serviceberry. Groundcover species consisted primarily of Velvetleaf Blueberry, Low-sweet Blueberry, Bunchberry, Goldthread, Eastern Bracken Fern, Creeping Snowberry, Trailing Arbutus and Pink Moccasin Flower.  The effective soil texture within this community consisted of a very fine sand. The overall depth of the soil profile was very shallow with a dry moisture regime.
B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	Unknown/Cultural	---	This low-treed community was dominated by Trembling Aspen and White Birch in both the canopy and sub-canopy. Within the groundlayer dominant species present included Bunchberry, Canada Mayflower, Large-leaved Aster and Bush Honeysuckle. The effective soil texture within this community consisted of a loamy very fine sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B028Tt Very Shallow, Humid: Mixedwood	Unknown/Cultural	---	White Birch and Black Spruce were co-dominant species within the canopy and sub-canopy of this tall treed forest community. In addition, the understory also contained the canopy species in addition to Balsam Fir. Groundcover vegetation was primarily composed of Low-sweet Blueberry, Reindeer Lichen, Wild Sarsaparilla, Canada Mayflower, Labrador Tea, Bunchberry and Bush Honeysuckle.  The effective soil texture within this community consisted of a loam. The overall depth of the soil profile was very shallow with a humid moisture regime.
B014Tt Very Shallow, Dry to Fresh: Conifer	ES16 Hardwood-Fir-Spruce Mixedwood: Sandy Soil	B040, (B041, B042, B043)	This tall treed coniferous community's canopy and sub-canopy was dominated by Black Spruce, Balsam Fir and Eastern White Cedar with occasional occurrences of White Birch and White Spruce. The understory consisted of Pin Cherry, Pussy Willow, Showy Mountain-ash and American Mountain-ash. Groundcover was primarily composed of Bush Honeysuckle, Canada Mayflower, Bunchberry, Bluebead Lily, Low-sweet Blueberry, Starflower, Bearberry, Canada Mayflower, Wild Sarsaparilla and Labrador Tea.  The effective soil texture within this community consisted of a medium sand. The overall depth of the soil profile was very shallow with a fresh moisture regime.
B014Tt Very Shallow, Dry to Fresh: Conifer	ES16 Hardwood-Fir-Spruce Mixedwood: Sandy Soil	B040, (B041, B042, B043)	This tall treed coniferous forest community's canopy and sub-canopy contains abundant White Spruce and Balsam Fir with occasional occurrences of Eastern White Cedar, White Birch and Showy Mountain-ash. Mountain Maple was the dominant species present within the understory. Species found in the ground layer include Bunchberry, Bluebead Lily, Canada Mayflower, Bush Honeysuckle, Northern Beech Fern, Crested Wood Fern and Large-leaved Aster among others.  The effective soil texture within this community consisted of a silt. The overall depth of the soil profile was very shallow with a fresh moisture regime.
B104Tt Fresh, Silty to Fine Loamy: Aspen- Birch Hardwood	ES16 Hardwood-Fir-Spruce Mixedwood: Sandy Soil	B055, B056, B057, B058, B059	This tall treed hardwood forest community's canopy and sub-canopy is dominated by White Birch with occasional Trembling Aspen and White Spruce. Shrubs present within the understory were mainly comprised of Green Alder and American Mountain-ash. Species present in the ground layer include Low Sweet Blueberry, Velvetleaf Blueberry, Bush Honeysuckle, Bluebead Lily, Canada Mayflower, Wild Sarsaparilla, Large-leaved Aster and Dwarf Raspberry.  The effective soil texture within this community consisted of a silt. The overall depth of the soil profile was shallow with a fresh moisture regime.
<Null>	Unknown/Cultural	---	This polygon was dominated by several anthropomorphic features which included an existing hydro RoW and roads.
B050Tt Dry to Fresh, Coarse: Pine-Black Spruce Conifer	ES14 Pine-Spruce Mixedwood: Sandy Soil	B035, B034, B036, B037 (B038)	This tall treed coniferous forest community's canopy and sub-canopy contains Jack Pine, Black Spruce and Tamarack with rare occurrences of White Birch. Mountain Maple is also abundant in the understory. Species found in the ground layer include Bluebead Lily, Twinflower, Bunchberry, Low Sweet Blueberry and Canada Mayflower.  The effective soil texture within this community consisted of a silty medium sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B037Tt Dry, Sandy: Spruce-Fir Conifer	ES16 Hardwood-Fir-Spruce Mixedwood: Sandy Soil	B040, (B041, B042, B043)	This tall treed coniferous forest community's canopy contains Balsam Fir, Black Spruce and White Birch with rare occurrences of Jack Pine. In addition to these species American Mountain-ash is also present in the sub-canopy and understory. Species found in the ground layer include Canada Mayflower, Bunchberry, Bluebead Lily, Wild Sarsaparilla, Starflower, Bush Honeysuckle, Low Sweet Blueberry and Twinflower among others.  The effective soil texture within this community consisted of a medium sand. The overall depth of the soil profile was deep with a dry moisture regime.

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B049Tt Dry to Fresh, Coarse: Jack Pine- Black Spruce Dominated	ES21 Fir-Spruce Mixedwood: Fresh, Coarse Loamy Soil	B052, B050, (B053)	This tall treed coniferous forest community's canopy and sub-canopy was dominated by Jack Pine and Black spruce, with occasional occurrences of White Birch. Shrub species within the understory consisted of Bartram's Serviceberry, Mountain Maple, Pin Cherry, and Pussy Willow with saplings of Black Spruce, Jack Pine and Balsam Fir also present. Groundcover was primarily composed of Canada Mayflower, Bunchberry, Bluebead Lily, Low-sweet Blueberry, Starflower, Drooping Wood Sedge, Bearberry and Large-leaved Aster.  The effective soil texture within this community consisted of a medium sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B059Tt Dry to Fresh, Coarse: Mixedwood	ES38 Rich Swamp: Black Ash (Other Hardwood): Organic-Mineral Soil	B130, B131, B132, B133	This tall treed mixed forest community's canopy contains abundant White Birch and Balsam Fir with occasional Black Spruce and rare White Spruce. Black Ash ( <i>Fraxinus nigra</i> ) (located in wet depressions) and Showy Mountain-ash was also present in the sub-canopy. Species present in the understory include Mountain Maple and American Mountain-ash. Groundlayer vegetation Canada Mayflower, Bunchberry, Spinulose Wood Fern, Eastern Bracken Fern, Velvetleaf Blueberry, Bluebead Lily, Bush Honeysuckle, Wild Sarsaparilla and Rose Twisted Stalk.  The effective soil texture within this community consisted of a loamy very fine sand. The overall depth of the soil profile was moderately deep with a fresh moisture regime.
B059Tt Dry to Fresh, Coarse: Mixedwood	ES38 Rich Swamp: Black Ash (Other Hardwood): Organic-Mineral Soil	B130, B131, B132, B133	This tall treed mixedwood community's canopy and sub-canopy was dominated by Balsam Fir and White Birch, with occasional occurrences of Black Spruce and Trembling and rare occurrences of White Spruce. The understory consisted of Mountain Maple, Bartram's Serviceberry, Green Alder, Pussy Willow, Choke Cherry, Pin Cherry, Beaked Hazelnut and Low Shadbush Serviceberry. Groundcover was primarily composed of Large-leaved Aster, Fragrant Bedstraw, Fly Honeysuckle, Bluebead Lily, Bunchberry, Canada Mayflower and Wild Sarsaparilla.  The effective soil texture within this community consisted of a coarse sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	B052Tt Dry to Fresh, Coarse: Spruce-Fir Conifer	---	This low treed hardwood community canopy is dominated by Trembling Aspen, with occasional White Spruce and Balsam Poplar also present in the sub-canopy. Shrub species present within the understory include Choke Cherry, Red-berried Elderberry and Pussy Willow. Species present in the ground layer vegetation include Red Raspberry, Reed Canary Grass ( <i>Phalaris arundinacea</i> ), Fireweed, Canada Goldenrod ( <i>Solidago canadensis</i> ), Bluebead Lily and Tall Bluebells. This polygon has previously been clear cut and is in an early successional stage.  The effective soil texture within this community consisted of a coarse sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B052Tt Dry to Fresh, Coarse: Spruce-Fir Conifer	B065Tt Moist, Coarse: Black Spruce - Pine Conifer	---	This tall treed coniferous forest community's canopy contains abundant Balsam Fir and White Birch, with occasional Black Spruce. In addition to these species Showy Mountain-ash is also abundant in the sub-canopy and understory. Species present in the ground layer include Bluebead Lily, Canada Mayflower, Spinulose Wood Fern, Bunchberry and Starflower.  The effective soil texture within this community consisted of a silty medium sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B052Tt Dry to Fresh, Coarse: Spruce-Fir Conifer	B065Tt Moist, Coarse: Black Spruce - Pine Conifer	---	This tall treed coniferous forest community canopy and sub-canopy is dominated by Balsam Fir, with abundant Black Spruce an occasional White Birch also present. The dominant species with the understory was balsam fir. Ground vegetation includes Canada Mayflower, Starflower, Spinulose Wood Fern, Bunchberry, Bluebead Lily and Common Clubmoss among others.  The effective soil texture within this community consisted of a silty medium sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B059Tt Dry to Fresh, Coarse: Mixedwood	B065Tt Moist, Coarse: Black Spruce - Pine Conifer	---	This tall treed mixed forest community's canopy contains abundant Balsam Fir and White Birch with occasional White Spruce and rare Black Spruce. In addition to these species Showy Mountain-Ash is present in the sub-canopy. Shrub species present within the understory include Beaked Hazelnut, Fly Honeysuckle and Mountain Maple. Species found in the ground vegetation include Bluebead Lily, Wild Sarsaparilla, Spinulose Wood Fern, Smooth Gooseberry, Common Clubmoss, Ground Pine, Bunchberry and Meadow Horsetail among others.  The effective soil texture within this community consisted of a medium sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B059Tt Dry to Fresh, Coarse: Mixedwood	B070Tt Moist, Coarse: Aspen-Birch Hardwood	---	This tall treed mixed forest community's canopy contains abundant Trembling Aspen and Balsam Fir with occasional White Birch and rare Black Spruce. Showy Mountain-ash is present in the sub-canopy. Shrub species present within the understory include Bartram's Serviceberry, Chokecherry, Mooseberry and Beaked Hazelnut. Species present in the ground layer vegetation include Starflower, Bunchberry, Bluebead Lily, Ground Pine, Common Clubmoss, Canada Mayflower, False Solomon's Seal and Smooth Gooseberry among others.  The effective soil texture within this community consisted of a fine sand. The overall depth of the soil profile was deep with a fresh moisture regime.

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B049Tt Dry to Fresh, Coarse: Jack Pine-Black Spruce Dominated	B049Tt Dry to Fresh, Coarse: Jack Pine-Black Spruce Dominated	---	This tall treed coniferous forest community's canopy and sub-canopy is dominated by Black Spruce with occasional Tamarack. Balsam Fir and willow species occurred occasionally in the understory. Shrub species present include Speckled Alder and Red-osier Dogwood. Species found in the ground layer includes Bunchberry, Creeping Snowberry, Low Sweet Blueberry, Labrador Tea, Bluebead Lily, Northern Commandra and Starflower. Feathermoss species were also dominant in the ground layer.  The effective soil texture within this community consisted of a silty coarse sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B104Tt Fresh, Silty to Fine Loamy: Aspen-Birch Hardwood	B070Tt Moist, Coarse: Aspen-Birch Hardwood	---	This tall treed hardwood community's canopy and sub canopy contained abundant Trembling Aspen, with occasional Balsam Poplar, Black Spruce and Balsam Fir also present. Shrub species present within the understory include Speckled Alder, Beaked Hazelnut and Myrtle Leaved Willow ( <i>Salix myrtillifolia</i> ). Species present in the ground layer vegetation include Woodland Horsetail, Mooseberry, Tall Bluebells, Northern Lady Fern, Goldthread, Rose Twisted Stalk, Spinulose Wood Fern, Fragrant Bedstraw, Canada Mayflower, Swamp Red Currant, Smooth Gooseberry, Dwarf Raspberry and Nodding Trillium among others.  The effective soil texture within this community consisted of a loam. The overall depth of the soil profile was deep with a fresh moisture regime.
B085Tt Fresh, Clayey: Spruce-Fir Conifer	B114Tt	---	This tall treed coniferous forest community is dominated by White Spruce, with Tamarack and Black Spruce also abundant in the canopy and sub-canopy. The understory is dominated by Speckled Alder with Balsam Fir, American Mountain-ash and Bartram's Serviceberry also present. Species abundant in the ground layer included Bunchberry, Labrador Tea, Low Sweet Blueberry) and Common Clubmoss.  The effective soil texture within this community consisted of a silty clay. The overall depth of the soil profile was deep with a fresh moisture regime.
B092Tt Fresh, Clayey: Mixedwood	B114Tt	---	This tall treed mixed forest community contains Trembling Aspen and White Spruce in the canopy layer with White Birch, Balsam Fir and American Mountain-ash in the sub-canopy. The understory contains Bartram's Serviceberry, Showy Mountain-ash, Mountain Maple, Speckled Alder and Balsam Fir. Species found in the ground layer include Common Clubmoss, Bunchberry, Dwarf Raspberry, Swamp Red Currant and Common Oak Fern.  The effective soil texture within this community consisted of a silty clay. The overall depth of the soil profile was deep with a fresh moisture regime.
B059Tt Dry to Fresh, Coarse: Mixedwood	B104Tt Fresh, Silty to Fine Loamy: Aspen-Birch Hardwood	---	This tall treed mixed forest community's canopy and sub-canopy contains abundant Balsam Fir, Trembling Aspen and White Birch. Species present in the understory include Choke Cherry, Mooseberry and Beaked Hazelnut. Species present in the ground layer vegetation include Wild Sarsaparilla, Spinulose Wood Fern, Smooth Gooseberry, Bush Honeysuckle, Woodland Horsetail, Balsam Willow ( <i>Salix pyrifolia</i> ) and Dwarf Raspberry among others.  The effective soil texture within this community consisted of a silty medium sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B092TI Fresh, Clayey: Mixedwood	B104Tt Fresh, Silty to Fine Loamy: Aspen-Birch Hardwood	---	This low treed mixed forest community contains abundant Balsam Fir, with occasional Trembling Aspen and White Birch. Mountain Maple was also abundant in the sub-canopy. Understory species present include Mountain Maple, Speckled Alder, Beaked Hazelnut, Saskatoon Berry ( <i>Amelanchier alnifolia</i> ) and American Mountain-ash. Species present in the ground layer vegetation include Fly Honeysuckle, Wild Sarsaparilla, Ground Pine, Starflower, Canada Mayflower, Twinflower, Bluebead Lily, Bunchberry and Large-leave Aster.  The effective soil texture within this community consisted of a sandy clay. The overall depth of the soil profile was deep with a fresh moisture regime.
B014TI Very Shallow, Dry to Fresh: Conifer	B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	---	This low treed coniferous forest community canopy and sub-canopy contains abundant Balsam Fir and White Birch. Species present in the understory include Mountain Maple, Bartram's Serviceberry, Mooseberry and Showy Mountain-ash. Species present in the ground layer include Bush Honeysuckle, Low Sweet Blueberry, Wild Sarsaparilla, Bunchberry, Twinflower, Canada Mayflower, Bluebead Lily and Starflower.  The effective soil texture within this community consisted of a coarse sand. The overall depth of the soil profile was very shallow with a dry moisture regime.
B092Tt Fresh, Clayey: Mixedwood	B052TI Dry to Fresh, Coarse: Spruce-Fir Conifer	---	This tall treed mixed forest community's canopy is dominated by Balsam Fir with abundant Balsam Poplar and Trembling Aspen and occasional White Spruce with abundant White Birch in the sub-canopy. Shrub species present within the understory include Mountain Maple, Beaked Hazel, American Mountain-ash and Speckled Alder. Species present in the ground layer included Bunchberry, Canada Mayflower and Bluebead Lily.  The effective soil texture within this community consisted of a silty clay loam. The overall depth of the soil profile was moderately deep with a fresh moisture regime.
B067Tt Moist, Coarse: Spruce-Fir Conifer	B065Tt Moist, Coarse: Black Spruce - Pine Conifer	---	This tall treed coniferous forest community's canopy is dominated by Black Spruce, with occasional occurrences of White Spruce and White. Species present in the sub-canopy include American Mountain-ash, White Birch, White Spruce and Balsam Fir. Species present in the understory include Mountain Maple, Showy Mountain-ash, Speckled Alder and Balsam Fir. Ground layer vegetation includes Bunchberry, Dwarf Raspberry, Low Sweet Blueberry, Starflower, Swamp Red Currant and Canada Mayflower among others.  The effective soil texture within this community consisted of a sandy clay. The overall depth of the soil profile was deep with a moist moisture regime.

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B052TI Dry to Fresh, Coarse: Spruce-Fir Conifer	B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	---	This low treed coniferous forest community's canopy contains abundant Black Spruce with occasional Balsam Fir with occasional Showy Mountain-ash in the sub-canopy. Shrub species present within the understory include Speckled Alder, Choke Cherry and Bartram's Serviceberry. Species found in the ground layer vegetation include Hairy Honeysuckle ( <i>Lonicera hirsuta</i> ), Fly Honeysuckle, Bluebead Lily, Twinflower, Labrador Tea, Swamp Red Currant, Canada Mayflower and Male Fern ( <i>Dryopteris filix-mas</i> ).  The effective soil texture within this community consisted of a coarse sandy loam. The overall depth of the soil profile was deep with a fresh moisture regime.
B024TI Very Shallow, Humid: Black Spruce-Pine Conifer	B128Tt Organic Intermediate Conifer Swamp	---	This low treed coniferous forest community's canopy contains abundant Black Spruce, with occasional Tamarack and Trembling Aspen. Shining Willow is occasional in the sub-canopy. Shrub species present within the understory include Speckled Alder and Bebb's Willow. Species present in the ground layer include False Melic Grass ( <i>Schizachne purpurascens</i> ssp. <i>purpurascens</i> ), Purple-stemmed Aster ( <i>Symphotrichum puniceum</i> var. <i>puniceum</i> ), Common Strawberry, Dwarf Raspberry, Canada Mayflower, Bunchberry, Bluebead Lily, Smooth Wild Rose and Labrador Tea.  The effective soil texture within this community consisted of a coarse sand. The overall depth of the soil profile was very shallow with a humid moisture regime.
B049Tt Dry to Fresh, Coarse: Jack Pine- Black Spruce Dominated	B128Tt Organic Intermediate Conifer Swamp	---	This tall treed coniferous forest community's canopy and sub-canopy is dominated by Black Spruce, with occasional Jack Pine and Balsam Fir. Shrub species present within the understory include Saskatoon Berry ( <i>Amelanchier alnifolia</i> ) and Bebb's Willow. Labrador Tea, Bunchberry, Canada Mayflower, Low Sweet Blueberry and Bush Honeysuckle are present in the ground layer.  The effective soil texture within this community consisted of a sandy clay. The overall depth of the soil profile was deep with a fresh moisture regime.
B037Tt Dry, Sandy: Spruce-Fir Conifer	B065Tt Moist, Coarse: Black Spruce - Pine Conifer	---	This tall treed coniferous forest community's canopy and sub-canopy contains abundant Black Spruce with occasional Balsam Fir. The understory was primarily composed of Balsam Fir. Species present in the ground vegetation layer include Low Sweet Blueberry, Labrador Tea, Bunchberry and Twinflower.  The effective soil texture within this community consisted of a silty coarse sand. The overall depth of the soil profile was moderately deep with a dry moisture regime.
B049Tt Dry to Fresh, Coarse: Jack Pine- Black Spruce Dominated	B128Tt Organic Intermediate Conifer Swamp	---	This tall treed coniferous forest community's canopy is dominated by Black Spruce, with rare Balsam Fir in the sub-canopy. Shrub species present within the understory include Speckled Alder. Species found in the ground layer include Labrador Tea, Low Sweet Blueberry, Bunchberry, Creeping Snowberry, Canada Mayflower, Twinflower, Starflower, Woodland Horsetail, Small Cranberry ( <i>Vaccinium oxycoccos</i> ) and Dwarf Raspberry among others.  The effective soil texture within this community consisted of a coarse sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	B065Tt Moist, Coarse: Black Spruce - Pine Conifer	---	This tall treed hardwood forests canopy contains abundant Trembling Aspen, with occasional White Birch, Black Spruce and Eastern White Cedar. Mountain Maple is abundant and Balsam Fir is occasional in the sub-canopy. Mountain Maple is present in the understory. Species present in the ground layer include Mooseberry, Bunchberry, Dwarf Raspberry, Spinulose Wood Fern, Rose Twisted Stalk, Nodding Trillium and Starflower.  The effective soil texture within this community consisted of a silty medium sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B049TI Dry to Fresh, Coarse: Jack Pine- Black Spruce Dominated	ES21 Fir-Spruce Mixedwood: Fresh, Coarse Loamy Soil	B052, B050, (B053)	This low treed coniferous forest community's canopy contains occasional Jack Pine and Trembling Aspen. Balsam Fir and Willows are abundant in the sub-canopy. Bebb's Willow is present in the understory. Species present in the ground layer include Low Sweet Blueberry, Dwarf Raspberry, Bunchberry, Twinflower, Creeping Snowberry, Large-leaved Aster, Fireweed and Smooth Wild Rose.  The effective soil texture within this community consisted of a coarse sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B049Tt Dry to Fresh, Coarse: Jack Pine- Black Spruce Dominated	B049Tt Dry to Fresh, Coarse: Jack Pine-Black Spruce Dominated	---	This tall treed coniferous forest community's canopy contains abundant Black Spruce and Jack Pine with occasional Tamarack and Eastern White Cedar. Balsam Fir and Trembling Aspen are present in the sub-canopy. Species present in the ground layer include Swamp Red Currant, Low Sweet Blueberry, Labrador Tea, Creeping Snowberry, Bunchberry and Pink Moccasin Flower.  The effective soil texture within this community consisted of a coarse sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B012Tt Very Shallow, Dry to Fresh: Pine- Black Spruce Conifer	ES21 Fir-Spruce Mixedwood: Fresh, Coarse Loamy Soil	B052, B050, (B053)	Black Spruce was the dominant canopy and sub-canopy species within this tall treed forest community with additional tree species consisting of White Birch, Jack Pine and Balsam Fir. Additional species present in the understory consisted of Saskatoon Berry and Green Alder. Low-sweet Blueberry, Bluebead Lily, Bunchberry, Wild Sarsaparilla and Canada Mayflower composed the majority of the groundcover vegetation.  The effective soil texture within this community consisted of a very fine sandy loam. The overall depth of the soil profile was very shallow with a dry moisture regime.
Open Water	Unknown/Cultural	---	This polygon is dominated by an open water beaver pond with a meadow marsh border.



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B059Tt Dry to Fresh, Coarse: Mixedwood	ES36 Intermediate Swamp: Black Spruce (Tamarack): Organic Soil	B128, B223, B129, B224, (B127, B222)	This tall treed mixed forest community's canopy and sub-canopy contains abundant Balsam Fir and White Birch, with occasional Jack Pine and Black Spruce. Shrub species present in the understory include Green Alder, Mountain Maple and American Mountain-ash. Species found in the ground layer include Wild Sarsaparilla, Bunchberry, Twinflower, Common Clubmoss, Bluebead Lily, Large-leaved Aster and Starflower.  The effective soil texture within this community consisted of a sandy clay loam. The overall depth of the soil profile was deep with a fresh moisture regime.
194X Non-active Deposition of Coarse Clean Fill	Unknown/Cultural	---	This polygon is associated with an old aggregate pit.
B049Tt Dry to Fresh, Coarse: Jack Pine- Black Spruce Dominated	ES12 Black Spruce-Jack Pine: Very Shallow Soil	B012, B013, B014, B016, B024, B025, B026, (B017, B018, B019, B028)	This low treed coniferous forest community is dominated by Jack Pine with occasional Trembling Aspen and rare Showy Mountain-ash. Shrub species present within the understory include Mountain Maple, Beaked Hazelnut and Pin Cherry. Species present in the ground layer include Bunchberry, Bush Honeysuckle, Fireweed, Canada Mayflower, Prickly Wild Rose, Red Raspberry and Wild Sarsaparilla among others.  The effective soil texture within this community consisted of a silty very fine sand. The overall depth of the soil profile was very shallow with a dry moisture regime.
B038Tl Dry, Sandy: Conifer	ES21 Fir-Spruce Mixedwood: Fresh, Coarse Loamy Soil	B052, B050, (B053)	This low treed coniferous forest community's canopy and sub-canopy is dominated by Jack Pine with occasional Black Spruce and White Birch. Species found in the understory include Beaked Hazelnut, Green Alder and Pin Cherry. Species found in the ground layer include Low Sweet Blueberry, Bunchberry, Bush Honeysuckle, Bluebead Lily, Velvetleaf Blueberry, Hairy Honeysuckle, Labrador Tea, Bluebead Lily, Twinflower and Prickly Wild Rose.  The effective soil texture within this community consisted of a loamy very fine sand. The overall depth of the soil profile was shallow with a dry moisture regime.
B040Tl Dry, Sandy: Aspen-Birch Hardwood	ES19 Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse Loamy Soil	B055, B056, B057, B058, B059	Trembling Aspen was the dominate canopy and sub-canopy species within this hardwood forest community in addition to occasional occurrences of White Birch and Jack Pine. Green Alder, Mountain Ash and Showy Mountain Ash were also present in the understory. Groundcover vegetation was composed of Bush Honeysuckle, Bunchberry, Low-sweet Blueberry, Blue bead Lily and Wild Sarsaparilla.  The effective soil texture within this community consisted of a silty fine sand. The overall depth of the soil profile was shallow with a dry moisture regime.
B016Tt Very Shallow, Dry to Fresh: Aspen- Birch Hardwood	Unknown/Cultural	---	This low treed hardwood forest community's canopy and sub-canopy contains abundant Trembling Aspen, with occasional White Birch and Jack Pine. Shrub species present within the understudy include Upland Willow, Green Alder, Mountain Maple and Pin Cherry. Species found in the ground layer include Bush Honeysuckle, Spreading Dogbane ( <i>Apocynum androsaemifolium</i> ssp. <i>androsaemifolium</i> ) and Eastern Bracken Fern.  The effective soil texture within this community consisted of a very fine sand. The overall depth of the soil profile was shallow with a dry moisture regime.
B040Tl Dry, Sandy: Aspen-Birch Hardwood	ES35 Poor Swamp: Black Spruce: Organic Soil	B127, B222, (B128, B223)	This low treed hardwood forest community's canopy and sub-canopy is dominated by Trembling Aspen with occasional Jack Pine and rare occurrences of White Birch. Mountain Maple and Pin Cherry are also present in the understory. Common species found throughout the ground layer include Bush Honeysuckle, Bunchberry, Wild Sarsaparilla and Eastern Bracken Fern.  The effective soil texture within this community consisted of a loamy very fine sand. The overall depth of the soil profile was shallow with a dry moisture regime.
B034Lt Dry, Sandy: Jack Pine-Black Spruce Dominated	ES12 Black Spruce-Jack Pine: Very Shallow Soil	B012, B013, B014, B016, B024, B025, B026, (B017, B018, B019, B028)	This low treed coniferous forests canopy and sub-canopy is dominated by Jack Pine with rare occurrences of Trembling Aspen. Mountain Maple, Pin Cherry, American Mountain-ash and Bebb's Willow are present in the understory. Species present in the ground layer include Bush Honeysuckle, Low Sweet Blueberry, Bunchberry, Twinflower, Labrador Tea, Canada Mayflower and Twinflower.  The effective soil texture within this community consisted of a loamy very fine sand. The overall depth of the soil profile was shallow with a dry moisture regime.
B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	ES16 Hardwood-Fir-Spruce Mixedwood: Sandy Soil	B040, (B041, B042, B043)	This community is dominated by Jack Pine with abundant Trembling Aspen and occasional White Birch in the canopy. In addition to saplings of the above mentioned canopy species, Showy Mountain-ash is present in the sub-canopy as well as the understory. Species found in the ground layer include Bunchberry, Wild Sarsaparilla, Canada Mayflower and Starflower.  The effective soil texture within this community consisted of a very fine sand. The overall depth of the soil profile was shallow with a fresh moisture regime.

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B059Ti Dry to Fresh, Coarse: Mixedwood	ES16 Hardwood-Fir-Spruce Mixedwood: Sandy Soil	B040, (B041, B042, B043)	This low treed mixed forest community's canopy and sub-canopy is dominated by Trembling Aspen with occasional Jack Pine and White Birch. Shrub species present within the understory include Beaked Hazelnut, Mountain Maple, Green Alder, American Mountain-ash, Pin Cherry and Bartram's Serviceberry. Species found in the ground layer include Wild Sarsaparilla, Bush Honeysuckle, Low Sweet Blueberry, Ground Pine, Bluebead Lily, Large-leaved Aster, Eastern Bracken Fern and Canada Mayflower among others. Numerous charred standing trees were present indicating a recent fire in this polygon.  The effective soil texture within this community consisted of a loamy fine sand. The overall depth of the soil profile was moderately deep with a fresh moisture regime.
B040Tt Dry, Sandy: Aspen-Birch Hardwood	ES14 Pine-Spruce Mixedwood: Sandy Soil	B035, B034, B036, B037 (B038)	This low treed hardwood forest community's canopy and sub-canopy is dominated by Trembling Aspen with occasional White Birch and Jack Pine. Shrub species present within the understory include Pin Cherry, Mountain Maple, American Mountain-ash and Beaked Hazelnut. Species found in the ground layer include Eastern Bracken Fern, Low Sweet Blueberry, Bunchberry, Bush Honeysuckle, Large-leaved Aster, Starflower and Bluebead Lily among others. This polygon appears to have been burned in the past based on numerous charred standing and fallen logs.  The effective soil texture within this community consisted of a very fine sand. The overall depth of the soil profile was very shallow with a dry moisture regime.
B038Ti Dry, Sandy: Conifer	ES16 Hardwood-Fir-Spruce Mixedwood: Sandy Soil	B040, (B041, B042, B043)	This low treed coniferous forest community's canopy and sub-canopy contains abundant Jack Pine with occasional Trembling Aspen and White Birch. Shrub species present within the understory include Mountain Maple and Pin Cherry. Species found in the ground layer include Wild Sarsaparilla, Prickly Wild Rose, Large-leaved Aster, Bush Honeysuckle and Bunchberry.  The effective soil texture within this community consisted of a fine sand. The overall depth of the soil profile was shallow with a dry moisture regime.
B040Tt Dry, Sandy: Aspen-Birch Hardwood	ES16 Hardwood-Fir-Spruce Mixedwood: Sandy Soil	B040, (B041, B042, B043)	This tall treed hardwood forests canopy is dominated by Trembling Aspen with occasional White Birch and rare Balsam Fir and White Spruce. Showy Mountain-ash occurs in the sub-canopy. Shrubs present in the understory include Mountain Maple, Beaked Hazelnut and Green Alder. Species found in the ground layer include Wild Sarsaparilla, Bluebead Lily, Twinflower, Eastern Bracken Fern, Large-leaved Aster, Bush Honeysuckle, Skunk Currant, Fly Honeysuckle and Reed Canary Grass.  The effective soil texture within this community consisted of coarse fragments directly over top of bedrock. The overall depth of the soil profile was very shallow with a dry moisture regime.
B043Tt Dry, Sandy: Mixedwood	ES19 Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse Loamy Soil	B055, B056, B057, B058, B059	This tall treed mixed forest community's canopy and sub-canopy contains abundant Balsam Fir and Trembling Aspen, with occasional White Spruce and rare Balsam Poplar and White Birch. Shrub species present in the understory include Mountain Maple and Green Alder. Species found in the ground layer include Goldthread, Bunchberry, Bluebead Lily, Wild Sarsaparilla, Canada Mayflower, Common Clubmoss, Ground Pine, Bush Honeysuckle and Rose Twisted Stalk.  The effective soil texture within this community consisted of a very fine sand. The overall depth of the soil profile was moderately deep with a dry moisture regime.
B101Tt Fresh, Silty to Fine Loamy: Spruce-Fir Conifer	ES19 Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse Loamy Soil	B055, B056, B057, B058, B059	Balsam Fir and Black Spruce were the dominant canopy species within this tall treed coniferous community with occasional occurrences of White Birch and Showy Mountain Ash. Bartram's Serviceberry and Beaked Hazelnut were present in the understory along with saplings of Balsam Fir and White Birch. Groundcover was primarily composed of Labrador Tea, Low-sweet Blueberry, Bunchberry, Wild Sarsaparilla, Twinflower, Bluebead Lily and Bush Honeysuckle.  The effective soil texture within this community consisted of a silty very fine sand. The overall depth of the soil profile was moderately deep with a fresh moisture regime.
B052Tt Dry to Fresh, Coarse: Spruce-Fir Conifer	ES12 Black Spruce-Jack Pine: Very Shallow Soil	B040, (B041, B042, B043)	This tall treed coniferous forests canopy and sub-canopy was dominated by Black Spruce with occasional occurrences of Tamarack, White Birch and rare occurrences of Jack Pine and White Spruce. The understory consisted of Green Alder, Bartram's Serviceberry, Showy Mountain-ash and saplings of Balsam Fir. Groundcover was primarily composed of Bunchberry, Leatherleaf, Creeping Snowberry, Bush Honeysuckle, Dwarf Raspberry, False Melic, Twinflower and Canada Mayflower.  The effective soil texture within this community consisted of loam. The overall depth of the soil profile was shallow with a fresh moisture regime.
B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	ES19 Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse Loamy Soil	B055, B056, B057, B058, B059	This tall treed hardwood community's canopy and sub-canopy is Trembling Aspen dominated. Shrub species present within the understory include Pin Cherry, Bartram's Serviceberry and Beaked Hazelnut. Species present in the ground layer include Bush Honeysuckle, Northern Lady Fern, Red Raspberry, Red Baneberry (Actaea rubra) and Bluebead Lily.  The effective soil texture within this community consisted of a loamy fine sand. The overall depth of the soil profile was shallow with a fresh moisture regime.

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B049Tt Dry to Fresh, Coarse: Jack Pine-Black Spruce Dominated	ES14 Pine-Spruce Mixedwood: Sandy Soil	B035, B034, B036, B037 (B038)	This tall treed coniferous forests canopy is dominated by even aged Jack. Shrub species present within the understory include Green Alder and Upland Willow. Species found in the ground layer include Bush Honeysuckle, Creeping Snowberry, Low Sweet Blueberry, Velvetleaf Blueberry, Canada Mayflower and Twinflower.  The effective soil texture within this community consisted of a silty fine sand. The overall depth of the soil profile was moderately deep with a fresh moisture regime.
B052Tt Dry to Fresh, Coarse: Spruce-Fir Conifer	Unknown / Cultural	---	Tamarack and White Spruce are the dominant species present within the canopy and sub-canopy this tall treed forest community. In addition, the majority of the understory vegetation was composed of the species present in the canopy. The groundcover consisted of Bunchberry, Low Sweet Blueberry, Bush Honeysuckle, Bluebead Lily, Canada Mayflower and Twinflower among others.  The effective soil texture within this community consisted of a loamy fine sand. The overall depth of the soil profile was moderately deep with a fresh moisture regime.
B049Tt Dry to Fresh, Coarse: Jack Pine-Black Spruce Dominated	ES21 Fir-Spruce Mixedwood: Fresh, Coarse Loamy Soil	B052, B050, (B053)	This community's canopy, sub-canopy and understory is dominated by coniferous tree species consisting of Jack Pine and Black Spruce. Additional species present within the community consisted of reindeer lichen (Cladonia rangiferina), Red-stemmed Feather-moss (Pleurozium schreberi), Ostrich-plume Feather-moss (Ptilium crista-castrensis) and Girgensohn's Bog-moss (Sphagnum girgensohnii).  The effective soil texture within this community consisted of a silty very fine sand. The overall depth of the soil profile was moderate with a fresh moisture regime.
B059Tt Dry to Fresh, Coarse: Mixedwood	Unknown	---	This tall treed mixedwood community's canopy and sub-canopy was dominated by Trembling Aspen and Balsam Fir with occasional occurrences of White Birch and Showy Mountain Ash. The understory consisted of Green Alder, Bebb's Willow, Pin Cherry Beaked Hazel and Trembling Aspen Saplings. Groundcover was primarily composed of Bunchberry, Bluebead Lily, Bristly Clubmoss, Wild Sarsaparilla, and Low-sweet Blueberry, Bush Honeysuckle, Lycopodium clavatum and Eastern Bracken Fern.  The effective soil texture within this community consisted of a very fine sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B034Tt Dry, Sandy: Jack Pine-Black Spruce Dominated	ES12 Black Spruce-Jack Pine: Very Shallow Soil	B012, B013, B014, B016, B024, B025, B026, (B017, B018, B019, B028)	This tall treed coniferous community's canopy and sub-canopy was dominated by Jack Pine with occasional occurrences of Black Spruce, Eastern White Cedar, White Birch and Trembling Aspen. The understory consisted of Pin Cherry and Green Alder with saplings of Black Spruce, Balsam Fir and White. Groundcover was primarily composed of Velvetleaf Blueberry, Bunchberry, Canada Mayflower, Prickly Wild Rose, Starflower, Labrador Tea, Cow-wheat and Creeping Snowberry.  The effective soil texture within this community consisted of a loamy fine sand. The overall depth of the soil profile was very shallow with a dry moisture regime.
B050Tt Dry to Fresh, Coarse: Pine-Black Spruce Conifer	ES14 Pine-Spruce Mixedwood: Sandy Soil	B035, B034, B036, B037 (B038)	This tall treed coniferous community canopy and sub-canopy was dominated by Black Spruce with occasional occurrences of Jack Pine, Balsam Fir and White Birch. The understory consisted of Green Alder, Pussy Willow Bartram's Serviceberry Plane-leaved Willow with saplings of Balsam Fir and Black Spruce also being present. The most abundant species present within the groundlayer consisted of Low-sweet Blueberry, Twinflower, Bunchberry, Bush Honeysuckle and Snow Berry.  The effective soil texture within this community consisted of a very fine sand. The overall depth of the soil profile was moderately deep with a fresh moisture regime.
B049Tt Dry to Fresh, Coarse: Jack Pine-Black Spruce Dominated	ES14 Pine-Spruce Mixedwood: Sandy Soil	B035, B034, B036, B037 (B038)	This forest community's canopy and sub-canopy was dominated by Jack Pine with occasional occurrences of Black Spruce, White Birch and Showy Mountain Ash. The understory contains Pin Cherry, Choke Cherry, Pussy Willow and saplings of White Birch and Balsam Fir. Groundcover consists of Low-Sweet Blueberry, Twin Flower, Large-leaved Aster, Bush Honeysuckle and Bunchberry with no one species being dominant.  The effective soil texture within this community consisted of a very fine sand. The overall depth of the soil profile was moderate with a fresh moisture regime.
B050Tt Dry to Fresh, Coarse: Pine-Black Spruce Conifer	Unknown / Cultural	---	This low treed coniferous community's canopy and sub-canopy is dominated by Black Spruce and Jack Pine. Understory vegetation consisted of American Mountain-ash, willow species, serviceberry species, Black Spruce and White Birch. Species present in the ground layer consist primarily of Low-sweet Blueberry, Velvetleaf Blueberry, Bunchberry, Fireweed, Trailing Arbutus, Bluebead Lily, Twinflower and Creeping Snowberry.  The effective soil texture within this community consisted of a loamy very fine sand. The overall depth of the soil profile was moderate with a fresh moisture regime.
B049Tt Dry to Fresh, Coarse: Jack Pine-Black Spruce Dominated	ES14 Pine-Spruce Mixedwood: Sandy Soil	B035, B034, B036, B037 (B038)	This tall treed coniferous community's canopy and sub-canopy is dominated by Black Spruce, Jack Pine and White Birch. Understory vegetation consisted of American Mountain-ash, Pin Cherry, White Birch, Bartram's Serviceberry, Green Alder and Balsam Fir. Species present in the ground layer consisted primarily of Eastern Bracken Fern, Pink Moccasin Flower, Velvetleaf Blueberry, Low-sweet Blueberry, Canada Mayflower, Bush Honeysuckle, Trailing Arbutus and Bunchberry.  The effective soil texture within this community consisted of a fine sandy loam. The overall depth of the soil profile was moderate with a fresh moisture regime.



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B116Tt Moist, Fine: Spruce-Fir Conifer	ES36 Intermediate Swamp: Black Spruce (Tamarack): Organic Soil	B128, B223, B129, B224, (B127, B222)	This tall treed coniferous community's canopy and sub-canopy is dominated by Black Spruce, with occasional occurrences of White Birch, Trembling Aspen and Balsam Fir. Understory vegetation consisted of American Mountain-ash, Balsam Fir, Black Spruce, willow species, serviceberry species and Speckled Alder. Species present in the ground layer consist primarily of Canada Mayflower, Creeping Lady's-tresses ( <i>Goodyera repens</i> ), Low-sweet Blueberry and Wild Sarsaparilla.  The effective soil texture within this community consisted of a coarse sand. The overall depth of the soil profile was deep with a dry moisture regime.
B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	ES19 Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse Loamy Soil	B055, B056, B057, B058, B059	This tall treed hardwood community's canopy and sub-canopy is dominated by White Birch and Trembling Aspen with occasional occurrences of Balsam Fir and White Spruce. Understory vegetation consisted of Choke Cherry, Beaked Hazelnut, Red-osier Dogwood, Mountain Maple, American Mountain-ash and Low Shadbush Serviceberry. Ground layer species consist primarily of Bush Honeysuckle, Northern Star Flower, Red Raspberry, Dwarf Raspberry, Canada Mayflower, Violet Species and Bluebead Lily.  The effective soil texture within this community consisted of a silty fine sand. The overall depth of the soil profile was moderate with a fresh moisture regime.
B059Tt Dry to Fresh, Coarse: Mixedwood	ES14 Pine-Spruce Mixedwood: Sandy Soil	B035, B034, B036, B037 (B038)	This tall treed mixedwood community's canopy is co-dominated by Black Spruce and White Birch, with rare occurrences of Tamarack and rare occurrences of Red Maple in the sub-canopy. Understory vegetation consisted of Black Spruce, White Birch, Tamarack and Balsam Fir. Ground layer species consist primarily of Low-sweet Blueberry, Creeping Snowberry, Bunchberry, Bluebead Lily and Velvetleaf Blueberry.  The effective soil texture within this community consisted of a coarse sandy loam. The overall depth of the soil profile was moderate with a fresh moisture regime.
B019Tt Very Shallow, Dry to Fresh: Mixedwood	ES37 Rich Swamp: Cedar (Other Conifer): Organic Soil	B129, B224, (B128, B223)	This tall treed mixedwood community's canopy is dominated by Black Spruce with occasional occurrences of Eastern White Cedar and White Birch and rare occurrences of Red Maple in the sub-canopy. Understory vegetation consisted of Balsam Fir, Black Spruce, American Mountain-ash and White Birch. Species present in the ground layer consisted primarily of Twinflower, Canada Mayflower, Bunchberry, Low-sweet Blueberry, Red Raspberry, Bristly Clubmoss and Creeping Snowberry.  The effective soil texture within this community consisted of a loam. The overall depth of the soil profile was very shallow with a dry moisture regime.
B059Tt Dry to Fresh, Coarse: Mixedwood	ES38 Rich Swamp: Black Ash (Other Hardwood): Organic-Mineral Soil	B130, B131, B132, B133	White Spruce, White Birch and Balsam Fir dominated the canopy and sub-canopy of this tall treed mixedwood community with rare occurrences of Red Maple also present within the sub-canopy. Understory vegetation consist of Pin Cherry, American Mountain-ash and White Birch. Ground layer species consist primarily of Bunchberry, Eastern Bracken Fern, Low-sweet Blueberry, Spinulose Wood Fern, Twinflower, Canada Mayflower, Starflower and Wild Sarsaparilla.  The effective soil texture within this community consisted of a silty very fine sand. The overall depth of the soil profile was shallow with a fresh moisture regime.
B019Tt Very Shallow, Dry to Fresh: Mixedwood	ES38 Rich Swamp: Black Ash (Other Hardwood): Organic-Mineral Soil	B130, B131, B132, B133	This tall treed mixedwood community's canopy and sub-canopy is dominated by White Birch and Black Spruce. Understory vegetation consist of Black Spruce, Balsam Fir and White Birch. Species present in the ground layer consist primarily of Twinflower, Bunchberry, Low-sweet Blueberry, Eastern Bracken Fern, Goldthread, Bluebead Lily, Bush Honeysuckle and Common Clubmoss.  The effective soil texture within this community consisted of a clay loam. The overall depth of the soil profile was shallow with a fresh moisture regime.
B059Tt Dry to Fresh, Coarse: Mixedwood	ES19 Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse Loamy Soil	B055, B056, B057, B058, B059	This tall treed mixedwood community canopy and sub-canopy is dominated by White Birch, White Spruce and Balsam Fir. Understory vegetation consisted of Choke Cherry, American Mountain-ash, Mountain Maple and Beaked Hazelnut and rare occurrences of Red Maple. Species present in the ground layer consisted primarily of Bunchberry, Large-leaved Aster, Twinflower, Bluebead Lily and Wild Sarsaparilla.  The effective soil texture within this community consisted of a fine sandy loam. The overall depth of the soil profile was moderately deep with a fresh moisture regime.
B043Tt Dry, Sandy: Mixedwood	ES16 Hardwood-Fir-Spruce Mixedwood: Sandy Soil	B040, (B041, B042, B043)	This tall treed forest community canopy and sub-canopy was dominant by Balsam Fir, White Birch and Trembling Aspen. Mountain Maple and Showy Mountain Ash are present within the understory. Bunchberry, Bush Honeysuckle, Star Flower, Bluebead Lily, Spinulose Wood Fern, Bristly Clubmoss, Canada Mayflower and Common Clubmoss comprise the majority of the groundcover vegetation.  The effective soil texture within this community consisted of a fine sandy loam. The overall depth of the soil profile was shallow with a dry moisture regime.
B019Tt Very Shallow, Dry to Fresh: Mixedwood	ES16 Hardwood-Fir-Spruce Mixedwood: Sandy Soil	B040, (B041, B042, B043)	This mixedwood community's canopy was dominated by White Birch and Black Spruce. In addition to the canopy species Showy Mountain Ash and rare occurrences of Red Maple also occurred in the sub-canopy. The understory consisted of Low Shadbush Serviceberry, American Mountain-ash and Mountain Maple with saplings of Balsam Fir and Black Spruce. Groundcover was primarily composed of Bluebead Lily, Bunchberry, Low-sweet Blueberry, Prickly Tree Clubmoss, Bristly Clubmoss, Canada Mayflower, Bush Honeysuckle, Spinulose Wood Fern and Starflower.  The effective soil texture within this community consisted of a silty fine sand. The overall depth of the soil profile was very shallow with a dry moisture regime.

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B037Tt Dry, Sandy: Spruce-Fir Conifer	ES12 Black Spruce-Jack Pine: Very Shallow Soil	B012, B013, B014, B016, B024, B025, B026, (B017, B018, B019, B028)	Black Spruce, Jack Pine and Balsam Fir were all present in equal abundance within canopy and sub-canopy of this tall treed forest community with rare occurrences of White Birch with Speckled Alder present within the understory. The majority of the groundcover species consisted of Interrupted Fern, Bluebead Lily, Bristly Clubmoss, Starflower, Low-sweet Blueberry and Bunchberry.  The effective soil texture within this community consisted of a silty very fine sand. The overall depth of the soil profile was moderately deep with a dry moisture regime.
B040Tt Dry, Sandy: Aspen-Birch Hardwood	Unknown / Cultural	---	This tall treed forest community's canopy and sub-canopy was composed primarily of White Birch with Black Spruce and Balsam Fir associates. In addition, the understory was primarily composed of the above listed canopy species. Bunchberry, Low-sweet Blueberry, Bluebead Lily, Wild Sarsaparilla, Creeping Snowberry, Canada Mayflower, Trailing Arbutus and Twinflower comprised the majority of the groundcover vegetation.  The effective soil texture within this community consisted of a loamy fine sand. The overall depth of the soil profile was moderately deep with a dry moisture regime.
B034Tt Dry, Sandy: Jack Pine-Black Spruce Dominated	ES21 Fir-Spruce Mixedwood: Fresh, Coarse Loamy Soil	B052, B050, (B053)	This tall treed coniferous community's canopy and sub-canopy was dominated by Jack Pine with occasional occurrences of Eastern White Pine, White Birch, Black Spruce, and Trembling Aspen. The understory consisted of Mountain Maple, Beaked Hazelnut, Pussy Willow, Showy Mountain-ash and Red-berried Elderberry. Groundcover was primarily composed of Crested Wood Fern, Bunchberry, Bluebead Lily, Low-sweet Blueberry, Large-leaved Aster, Canada Mayflower, Bush Honeysuckle, Fly Honeysuckle and Common Oak Fern.  The effective soil texture within this community consisted of a fine sand. The overall depth of the soil profile was shallow with a dry moisture regime.
B059Tt Dry to Fresh, Coarse: Mixedwood	ES16 Hardwood-Fir-Spruce Mixedwood: Sandy Soil	B040, (B041, B042, B043)	This tall treed mixedwood community's canopy and sub-canopy was dominated by White Birch and Balsam Fir with occasional occurrences of Black Spruce and White Spruce. The understory consisted of Beaked Hazel and saplings of White Birch, Balsam Fir and Black Spruce. Groundcover was primarily composed of Spinulose Wood Fern, Bristly Sarsaparilla, Canada Mayflower, Starflower, Bluebead Lily, Northern Beech Fern, Bunchberry, Dwarf Raspberry, Drooping Wood Sedge and Low-sweet Blueberry.  The effective soil texture within this community consisted of a medium sand. The overall depth of the soil profile was moderate with a fresh moisture regime.
B052Tt Dry to Fresh, Coarse: Spruce-Fir Conifer	ES16 Hardwood-Fir-Spruce Mixedwood: Sandy Soil	B040, (B041, B042, B043)	This tall treed coniferous community's canopy was dominated by Balsam Fir and Black Spruce with the occasional occurrence of White Birch and Mountain Maple in the sub-canopy. The understory consisted of Mountain Maple, Beaked Hazelnut, Low Serviceberry and saplings of Balsam Fir. Groundcover was primarily composed of Bunchberry, Low-sweet Blueberry, Bluebead Lily, Starflower, Spinulose Wood Fern, Goldthread, Common Oak Fern, Northern Beech Fern and Eastern Bracken Fern.  The effective soil texture within this community consisted of a silty fine sand. The overall depth of the soil profile was shallow with a fresh moisture regime.
B059Tt Dry to Fresh, Coarse: Mixedwood	ES19 Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse Loamy Soil	B055, B056, B057, B058, B059	This tall treed mixedwood community's canopy was dominated by White Birch, Balsam Fir and Black Spruce with occasional occurrence of Red Maple (<10% of percent coverage) and Showy Mountain Ash also occurring in the sub-canopy. The understory consisted of Mountain Maple, Beaked Hazelnut, Showy Mountain-ash and saplings of Balsam Fir and Red Maple. Bracken Fern was the dominant groundcover with additional species consisting of Bluebead Lily and Low-sweet Blueberry, Canada Yew, Bunchberry and Interrupted Fern.  The effective soil texture within this community consisted of a silty medium sand. The overall depth of the soil profile was moderate with a fresh moisture regime.
B108Tt Fresh, Silty to Fine Loamy: Mixedwood	ES19 Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse Loamy Soil	B055, B056, B057, B058, B059	This tall treed mixed forest community's canopy and sub-canopy contains abundant White Birch and Balsam Fir with occasional Black Spruce and rare White Spruce. Shrub species present within the understory include Mountain Maple and Green Alder. Species present in the ground layer include Canada Yew (Taxus canadensis), Ciliolate Aster (Symphyotrichum ciliolatum), Low Sweet Blueberry, Canada Mayflower, Bluebead Lily, Wild Sarsaparilla, Starflower and Fly Honeysuckle among others.  The effective soil texture within this community consisted of a silt. The overall depth of the soil profile was moderately deep with a fresh moisture regime.
B040Tt Dry, Sandy: Aspen-Birch Hardwood	ES12 Black Spruce-Jack Pine: Very Shallow Soil	B012, B013, B014, B016, B024, B025, B026, (B017, B018, B019, B028)	White Birch was the dominant canopy species within this tall treed forest community with Black Spruce, White Spruce and Balsam Fir associates. In addition Mountain Maple, Green Alder and Chokecherry were also present in the understory. Groundcover vegetation was primarily composed of Wild Sarsaparilla, Highbush Cranberry, Canada Mayflower Spinulose Wood Fern, Canada Yew Common Wood-sorrel (Oxalis Montana) and Bunchberry.  The effective soil texture within this community consisted of a silty fine sand. The overall depth of the soil profile was moderate with a fresh moisture regime.

PROVINCIAL ECOSITE CODES (FIELD VERIFIED) <sup>1</sup>	ECOSITE CODES BACKGROUND REVIEW <sup>2</sup>	ECOSITE CODE CONVERSION REFERENCE <sup>3,4</sup>	GENERAL DESCRIPTION OF ECOSITE COMMUNITY
B076Tt Moist, Coarse: Mixedwood	ES12 Black Spruce-Jack Pine: Very Shallow Soil	B012, B013, B014, B016, B024, B025, B026, (B017, B018, B019,B028)	This tall treed mixed forest community's canopy contains abundant White Birch and Balsam Fir with occasional White Spruce. In addition to the species listed above Showy Mountain-ash is also present in the sub-canopy. Shrub species present within the understory include Speckled Alder and Mountain Maple. Species found in the ground layer include Bunchberry, Dwarf Raspberry, Starflower, Field Horsetail, Bladder Sedge ( <i>Carex intumescens</i> ), Northern Beech Fern and Bluebead Lily among others.  The effective soil texture within this community consisted of a loamy very fine sand. The overall depth of the soil profile was deep with a moist moisture regime.
B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	ES12 Black Spruce-Jack Pine: Very Shallow Soil	B012, B013, B014, B016, B024, B025, B026, (B017, B018, B019,B028)	This tall treed hardwood community's canopy was dominated by White Birch with occasional occurrences of Balsam Fir and Trembling Aspen and rare occurrences of Black Spruce. The understory was very diverse consisting of Pin Cherry, Showy Mountain-ash, American Mountain-ash, Red-berried Elderberry, Beaked Hazelnut, Bebb's Willow, Mountain Maple, Woolly-headed Willow and Pussy Willow. Groundcover was primarily composed of Canada Yew, Eastern Bracken Fern, Bluebead Lily, Dwarf Raspberry, Canada Mayflower, Spinulose Wood Fern, Bush Honeysuckle, Interrupted Fern and Drooping Wood Sedge.  The effective soil texture within this community consisted of a silty medium sand. The overall depth of the soil profile was moderate with a fresh moisture regime.
B059Tt Dry to Fresh, Coarse: Mixedwood	ES16 Hardwood-Fir-Spruce Mixedwood: Sandy Soil	B040, (B041, B042, B043)	This tall treed mixedwood community's canopy and sub-canopy was dominated by White Birch and Black Spruces with occasional occurrences of Balsam Fir and Showy Mountain Ash and Rare occurrences of White Spruce. The understory shrub cover consisted of Red Maple, Beaked Hazelnut, and Bartram's Serviceberry with saplings of Balsam Fir and White Birch. Groundcover was primarily composed of Common Wood-sorrel, Canada Mayflower, Bunchberry, Spinulose Wood Fern, Wild Sarsaparilla, Bluebead Lily, Smooth Gooseberry, Fly Honeysuckle and Canada Yew.  The effective soil texture within this community consisted of a silty medium sand. The overall depth of the soil profile was moderate with a fresh moisture regime.
B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	ES17 White Cedar: Fresh-Moist, Coarse-Fine Loamy Soil	B051, B066, B115, B084, B100	This tall treed hardwood community's canopy is dominated by White Birch with occasional Balsam Fir. The sub-canopy included rare occurrences of American Mountain-ash. Species present in the understory include Mountain Maple, American Mountain-ash and Green Alder. Species found in the ground layer include Bluebead Lily, Low Sweet Blueberry, Canada Mayflower, Wild Sarsaparilla, Northern Beech Fern, Skunk Currant and Starflower.  The effective soil texture within this community consisted of a loamy very fine sand. The overall depth of the soil profile was moderately deep with a fresh moisture regime.
199n Compact Mineral Surface	ES17 White Cedar: Fresh-Moist, Coarse-Fine Loamy Soil	B051, B066, B115, B084, B100	This polygon is associated with an old parking lot with rubble from old buildings. Vegetation present was comprised of species common to disturbed area such as Rough Bentgrass ( <i>Agrostis scabra</i> ), Oxeye Daisy ( <i>Leucanthemum vulgare</i> ), Evening Primrose ( <i>Oenothera biennis</i> ) and Bladder Campion ( <i>Silene vulgaris</i> ).
B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	ES19 Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse Loamy Soil	B055, B056, B057, B058, B059	This tall treed hardwood community's canopy and sub-canopy is dominated by White Birch with occasional White Spruce and rare Balsam Fir also present. The dominant overall species that was present within the understory was Balsam Fir. Species found in the ground layer include Bunchberry, Wild Sarsaparilla, Low Sweet Blueberry, Bluebead Lily and Spinulose Wood Fern.  The effective soil texture within this community consisted of a medium sand. The overall depth of the soil profile was moderately deep with a fresh moisture regime.
B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	ES21 Fir-Spruce Mixedwood: Fresh, Coarse Loamy Soil	B052, B050, (B053)	This tall treed hardwood community's canopy and sub-canopy contains abundant White Birch, with occasional Trembling Aspen, Balsam Fir and Black Spruce. Mountain Maple, Choke Cherry and Pin Cherry are present in the understory. Species found in the ground layer include Canada Mayflower, Bunchberry, Large-leaved Aster, Eastern Bracken Fern, Low Sweet Blueberry, Starflower, Bladder Sedge and Wild Sarsaparilla. Several wet depressions were also observed within this community.  The effective soil texture within this community consisted of a silty fine sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B034Tt Dry, Sandy: Jack Pine-Black Spruce Dominated	Unknown/Cultural	---	This tall treed coniferous forest canopy and contains Tamarack and Jack Pine in abundance. In addition to the canopy species, White Birch is occasional in the sub-canopy. Shrub species present within the understory include Bartram's Serviceberry and Mountain Maple. Species found in the ground layer include Low Sweet Blueberry, Bush Honeysuckle, Bunchberry, Pearly Everlasting, Bearberry, Canada Mayflower, Labrador Tea and Eastern Bracken Fern among others. In addition, a junkyard was present in the northern part of this polygon.  The effective soil texture within this community consisted of a silty fine sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B050Tt Dry to Fresh, Coarse: Pine-Black Spruce Conifer	ES37 Rich Swamp: Cedar (Other Conifer): Organic Soil	B129, B224, (B128, B223)	This tall treed coniferous forest canopy and sub-canopy is dominated by Black Spruce, with rare occurrences of White Spruce, Balsam Fir, Jack Pine and Trembling Aspen. In addition the canopy species, Pussy Willow also occurred in the understory. Species found in the ground layer include Bunchberry, Honeysuckle, Canada Mayflower, Bluebead Lily, Starflower and Eastern Bracken Fern.  The effective soil texture within this community consisted of a loamy very fine sand. The overall depth of the soil profile was deep with a fresh moisture regime.



PROVINCIAL ECOSITE CODES (FIELD VERIFIED) <sup>1</sup>	ECOSITE CODES BACKGROUND REVIEW <sup>2</sup>	ECOSITE CODE CONVERSION REFERENCE <sup>3,4</sup>	GENERAL DESCRIPTION OF ECOSITE COMMUNITY
B053Tt Dry to Fresh, Coarse: Conifer	ES12 Black Spruce-Jack Pine: Very Shallow Soil	B012, B013, B014, B016, B024, B025, B026, (B017, B018, B019, B028)	This tall treed coniferous forests canopy and sub-canopy was dominated by Balsam Fir with occasional occurrences of Black Spruce and Jack Pine. The understory consisted of American Mountain-ash, Bartram's Serviceberry and saplings of Balsam Fir and Black Spruce. The dominant species within the groundcover was Bunchberry with additional common species consisting of Goldthread, Spinulose Wood Fern, Bluebead Lily and Low-sweet Blueberry.  The effective soil texture within this community consisted of a medium. The overall depth of the soil profile was deep with a fresh moisture regime.
B052Tt Dry to Fresh, Coarse: Spruce-Fir Conifer	ES21 Fir-Spruce Mixedwood: Fresh, Coarse Loamy Soil	B052, B050, (B053)	This tall treed coniferous forest community's canopy and sub-canopy was dominated by Balsam Fir with occasional occurrences Tamarack, White Birch and Black Spruce. The understory consisted of Pin Cherry, Bartram's Serviceberry, Red-berried Elderberry, Showy Mountain-ash, Pussy Willow and Balsam Fir saplings. Groundcover was dominated by Bush Honeysuckle with species occurrences of Canada Mayflower, Bunchberry, Bluebead Lily, Low-sweet Blueberry, Starflower and Large-leaved Aster.  The effective soil texture within this community consisted of a medium sandy loam. The overall depth of the soil profile was deep with a fresh moisture regime.
B052Tt Dry to Fresh, Coarse: Spruce-Fir Conifer	ES19 Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse Loamy Soil	B055, B056, B057, B058, B059	This tall treed coniferous community canopy and sub-canopy was dominated by Black Spruce with occasional occurrences of Balsam Fir and White Birch and rare occurrences of Tamarack. The understory consisted of American Mountain-ash, Bartram's Serviceberry and saplings of Balsam Fir and Black Spruce. Goldthread, Bunchberry, Twinflower, Spinulose Wood Fern were the most abundant species within the groundcover.  The effective soil texture within this community consisted of a silty medium sand. The overall depth of the soil profile was deep with a fresh moisture regime.
B101Tt Fresh, Silty to Fine Loamy: Spruce-Fir Conifer	ES19 Hardwood-Fir-Spruce Mixedwood: Fresh, Sandy-Coarse Loamy Soil	B055, B056, B057, B058, B059	This tall treed coniferous forest community's canopy and sub-canopy contains occasional White Spruce and Eastern White Cedar with abundant White Birch and occasional Showy Mountain-ash. Species present in the understory include Mountain Maple and American Mountain-ash. Ground layer species include Canada Mayflower, Bluebead Lily, Goldthread, Wild Sarsaparilla and Interrupted Fern.  The effective soil texture within this community consisted of a silty loam. The overall depth of the soil profile was moderately deep with a fresh moisture regime.
<b>NON-FORESTED TERRESTRIAL ECOSITES</b>			
B047S Dry to Fresh, Coarse: Shrub	ES22	B065, B067, (B064, B068)	Canopy and sub-canopy was sparse (<10) and was composed primarily of White Birch with occasional tamarack and Balsam Fir. Shrub cover was the dominated vegetation cover within this community and included Bebb's Willow, Pin Cherry, Ninebark (Physocarpus opulifolius) and saplings of White Birch. Dominated groundcover species were primarily composed of Rough Bentgrass, Canada Goldenrod and Canada Blue-joint Grass.  The effective soil texture within this community consisted of a fine sand. The overall depth of the soil profile was moderately deep with a fresh moisture regime.
B158n Cliff	ES4	B157, B158, B159, B173, B174, B175	This cliff community contained tree cover with rare occurrences of Eastern White Pine, Jack Pine, and Balsam Poplar. Showy Mountain-ash and Bartram's Serviceberry were also present in the understory. Ground layer species present include Low Sweet Blueberry, Bunchberry, Early Saxifrage (Saxifraga virginensis) and Oblong Woodsia (Woodsia ilvensis).  The effective soil texture within this community consisted of bare bedrock.
B158n Cliff	ES4	B012, B013, B014, B016, B024, B025, B026, (B017, B018, B019, B028)	This cliff community contains sparse tree cover with rare occurrences of Eastern White Pine, Trembling Aspen, Balsam Fir, and White Spruce. Bartram's Serviceberry is present in the understory. Species found in the ground layer include Early Saxifrage, Field Pussytoes (Antennaria neglecta), Wild Columbine (Aquilegia canadensis), Common Juniper (Juniperus communis) and Low Sweet Blueberry and Oblong Woodsia.  The effective soil texture within this community consisted of bare bedrock.
B080S Fresh, Clayey: Shrub	Unknown/Cultural	---	This community is associated with the riparian floodplain of the adjacent watercourse. The dominant species present within this community is Speckled Alder in addition to several willow species. Groundcover was composed mainly of Nodding Trillium, Swamp Red Currant and Canada Anemone (Anemone Canadensis).  The effective soil texture within this community consisted of a silty clay. The overall depth of the soil profile was deep with a moist moisture regime.
B112s Moist, Fine: Shrub	Unknown / Cultural	---	This shrub dominated community contains sparse Balsam Fir (<10) within the canopy. The understory is dominated by Speckled Alder, with Woolly-headed Willow and Sandbar Willow (Salix exigua) also present. Ground layer vegetation includes Grass-leaved Stitchwort (Stellaria graminea), Spotted Joe-pye-weed (Eutrochium maculatum), Marsh Fern (Thelypteris palustris), Woolgrass (Scirpus cyperinus), Sensitive Fern, Red Raspberry, Northern Manna Grass, Dwarf Raspberry and Purple-stemmed Aster among others.  The effective soil texture within this community consisted of a loam. The overall depth of the soil profile was deep with a moist moisture regime.

PROVINCIAL ECOSITE CODES (FIELD VERIFIED) <sup>1</sup>	ECOSITE CODES BACKGROUND REVIEW <sup>2</sup>	ECOSITE CODE CONVERSION REFERENCE <sup>3, 4</sup>	GENERAL DESCRIPTION OF ECOSITE COMMUNITY
B096s Fresh, Silty to Fine Loamy: Shrub	ES38 Rich Swamp: Black Ash (Other Hardwood): Organic-Mineral Soil	B130, B131, B132, B133	This shrub dominated community contains sparse canopy cover consisting of Balsam Poplar, Trembling Aspen, Black Spruce and Balsam Poplar. Speckled Alder and Red-osier Dogwood are dominant species overall. Ground layer species include Dwarf Raspberry, Nodding Trillium and Yellow Avens ( <i>Geum aleppicum</i> ).  The effective soil texture within this community consisted of a clay loam. The overall depth of the soil profile was deep with a fresh moisture regime.
B158n Cliff	Unknown / Cultural	---	A cliff community was observed on the western edge of polygon 4673b. This community could not be fully surveyed do to health and safety concerns. Species that could be safely be visually identified included Low-sweet Blueberry, Bush Honeysuckle, Oblong Woodsia, Three-toothed Cinquefoil and bunchberry.  The effective soil texture within this community consisted of bare bedrock.
B158n Cliff	Unknown / Cultural	---	This cliff community contains sparse tree cover consisting of Black Spruce, Jack Pine and White Birch. Shrub species present include Mountain Maple, Showy Mountain-ash, Bartram's Serviceberry and Green Alder. Ground layer species include Low Sweet Blueberry, Large-leaved Aster, Canada Mayflower and Bunchberry.  The effective soil texture within this community consisted of bare bedrock.
B158x Cliff	Unknown / Cultural	---	This cliff community was observed but could not be surveyed due to health and safety constraints. This cliff was within the Kama Cliffs Conservation Reserve and consisted of a bare sheer cliff face with little observable vegetation present.
B158x Cliff	Unknown / Cultural	---	This cliff community was observed but could not be surveyed due to health and safety constraints. This cliff was with in the Kama Cliffs Conservation Reserve and consisted of a bare sheer cliff face with little observable vegetation present.
B166X Active Talus or Historic/Raised Beach	Unknown / Cultural	---	One talus slope was observed but could not be accessed due to health and safety constraints. Based on observation made from the eastern side of the Jackpine River the area appeared to be a recent rockslide with little vegetation present.
B158x Cliff	Unknown / Cultural	---	This cliff community was observed but could not be survey due to health and safety constraints. Based on visual observations vegetation was relatively sparse and species that could be identified were Bush Honeysuckle, Low-sweet Blueberry and Oblong Woodsia.
B112s Moist, Fine: Shrub	Unknown / Cultural	---	This shrub dominated community contains Speckled Alder and Sweet Gale in abundance. Ground layer species present include Canada Blue-joint, ( <i>Calamagrostis canadensis</i> ), Dwarf Raspberry, Red Raspberry, Wild Mint and Rattlesnake Manna Grass ( <i>Glyceria canadensis</i> ).  The effective soil texture within this community consisted of a silty loam. The overall depth of the soil profile was deep with a moist moisture regime.
B080s Fresh, Clayey: Shrub	B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	---	This shrub dominated community contains sparse Black Spruce and Tamarack trees. The understory includes Speckled Alder and young Balsam Fir, as well as Red-berried Elderberry. Species found in the ground layer include Tall Bluebells, Large-leaved Avens ( <i>Geum macrophyllum</i> ), Skunk Currant, Fragrant Bedstraw, Dwarf Raspberry, Naked Mitrewort and Sweet Coltsfoot among others.  The effective soil texture within this community consisted of a silty clay. The overall depth of the soil profile was deep with a fresh moisture regime.
B164n Rock Barren	B012Tt Very Shallow, Dry to Fresh: Pine-Black Spruce Conifer	---	This rock barren community contains rare occurrences of Black Spruce and White Birch. Shrubs present include Bartram's Serviceberry, American Mountain-ash and Pin Cherry. Species present in the ground layer include Low Sweet Blueberry, Three-toothed Cinquefoil, Starflower, Labrador Tea and Canada Mayflower.  The effective soil texture within this community consisted of bare bedrock.
B194X Non-active Deposition of Coarse Fill	Unknown/Cultural	---	This polygon is associated with an old aggregate extraction site. The area is void of natural features and consists of old extraction pits and areas of stripped top soil. Vegetation on-site consists primarily of weedy species such as Oxeye Daisy and Rough Bentgrass.  The effective soil texture within this community consisted of a gravel mixed with an incorporated mineral soil.
B044n Dry to Fresh, Coarse: Field	B055Tt Dry to Fresh, Coarse: Aspen-Birch Hardwood	---	This open field community contains occasional White Spruce, White Birch and Balsam Fir trees. Shrubs present include Speckled Alder, Mountain Maple and Showy Mountain-ash. Species present in the ground layer include Ostrich Fern ( <i>Matteuccia struthiopteris</i> var. <i>pennsylvanica</i> ), Spinulose Wood Fern, Bristly Clubmoss, Bluebead Lily, Common Oak Fern, Northern Beech Fern and Violets ( <i>Viola</i> sp.).  The effective soil texture within this community consisted of a fine sandy loam. The overall depth of the soil profile was moderately deep with a dry moisture regime.

PROVINCIAL ECOSITE CODES (FIELD VERIFIED) <sup>1</sup>	ECOSITE CODES BACKGROUND REVIEW <sup>2</sup>	ECOSITE CODE CONVERSION REFERENCE <sup>3, 4</sup>	GENERAL DESCRIPTION OF ECOSITE COMMUNITY
B112s Moist, Fine: Shrub	B063S	---	This shrub dominated community contains sparse (>10) Black Spruce, Tamarack and White Birch trees. The understory was dominated by Speckled Alder with Plane-leaved Willow, Pussy Willow and Red-osier Dogwood associates. Groundcover was primarily composed of Starflower, Purple Meadow-rue, Canada Blue-joint, Western Bog Aster ( <i>Canadanthus modestus</i> ), Purple-stem Aster and Canada Mayflower.  The effective soil texture within this community consisted of a silty clay. The overall depth of the soil profile was deep with a moist moisture regime.
B080s Fresh, Clayey: Shrub	B065Tt Moist, Coarse: Black Spruce - Pine Conifer	---	This shrub dominated community contains sparse Black Spruce trees, as well as young Black Spruce and White Birch. Ground layer vegetation includes Labrador Tea, Creeping Snowberry, Low Sweet Blueberry, Leatherleaf, Three-leaved False Solomon's Seal, Small Cranberry and Sphagnum Moss.  The effective soil texture within this community consisted of a sandy clay. The overall depth of the soil profile was moderate with a fresh moisture regime.
B164n Rock Barren	B164S Rock Barren	---	The area contained sparse canopy cover with Black Spruce, Balsam Fir, White Birch and Trembling Aspen in equal abundance. Groundcover was composed primarily of Slender Oatgrass, Bush Honeysuckle, Three-toothed Cinquefoil and Low-sweet Blueberry.  Exposed bedrock was the dominate substrate present. Soils at this location were extremely thin and usually confined to cracks or depressions in the bedrock.
B063s Moist, Coarse: Shrub	B063S Moist, Coarse: Shrub	---	This shrub dominated site contains sparse tree sized willows and Black Spruce. Willow species consisting of Pussy and Wolley-headed Willow were the dominant species over the entire community. Common species that were present within the groundlayer included Dwarf Raspberry, Canada Mayflower, Bunchberry and  The effective soil texture within this community consisted of a coarse sandy loam. The overall depth of the soil profile was shallow with a fresh moisture regime.
B031s Dry, Sandy: Sparse Shrub	B049TI Dry to Fresh, Coarse: Jack Pine-Black Spruce Dominated	---	This shrub dominated community contains rare occurrences of Black Spruce, Jack Pine and Tamarack within both the canopy and sub-canopy. Young Black Spruce also comprised the majority of the understory. Ground layer vegetation includes Rough-leaved Rice Grass, Bush Honeysuckle, Common Dandelion, Pale Vetchling ( <i>Lathyrus ochroleucus</i> ), Prickly Wild Rose, Low Sweet Blueberry, Bunchberry, Field Pussytoes, Canada Mayflower, Wood Anemone, Pink Moccasin Flower and Bearberry.  The effective soil texture within this community consisted of a fine sand. The overall depth of the soil profile was deep with a dry moisture regime.
B165n Open Rock Barren	Unknown/Cultural	---	This community contained rare occurrences of White Spruce and Black Spruce. Groundcover vegetation primarily consisted of Bush Honeysuckle, Low-sweet Blueberry, Common Juniper Hairy Goldenrod ( <i>Solidago hispida</i> var. <i>hispida</i> ) Reindeer Lichen, Canada Mayflower, Oblong Woodsia and Cow-wheat.  The effective soil texture within this community consisted of a silty clay loam. The overall depth of the soil profile was shallow with a dry moisture regime.
B063s Moist, Coarse: Shrub	Unknown / Cultural	---	This shrub dominated community contains a sparse tree cover of White Birch, White Spruce, Eastern White Cedar trees. Shrub species present include Mountain Maple, Speckled Alder and American Mountain-ash. The ground layer vegetation contains Dwarf Raspberry, Bladder Sedge, Spinulose Wood Fern, Common Oak Fern, Mooseberry, Swamp Red Currant and Spotted Touch-me-not among others.  The effective soil texture within this community consisted of a loam. The overall depth of the soil profile was shallow with a moist moisture regime.
B164n Rock Barren	Unknown / Cultural	---	This rock barren community's canopy and sub-canopy sparse containing Jack Pine, Black Spruce and White Birch. Shrub species present in the understory included American Mountain Ash, Pin Cherry and Green Alder. Groundcover species included Pink Moccasin Flower, Low-sweet Blueberry, Velvetleaf Blueberry, Trailing Arbutus, Bluebead Lily and Eastern Bracken Fern.  The effective soil texture within this community consisted of a fine sandy loam. The overall depth of the soil profile was very shallow with a xeric moisture regime.
B032s Dry, Sandy: Shrub	Unknown / Cultural	---	This community was shrub dominated with little canopy or sub-canopy present. Shrub species present included American Mountain Ash, Mountain Maple and Green Alder. Common species that were present within the groundlayer included Dwarf raspberry, Canada Mayflower, Bunchberry, Twinflower and Bluebead Lily.  The effective soil texture of this polygon was moderately deep loamy coarse sand with a dry moisture regime.

<sup>1</sup> – Forest Resource Inventory (FRI) polygons were updated with Ecosites of Ontario, Operational Draft (MNR, 2009) ecosite nomenclature based on field results. Vegetation cover codes modifiers are as follows: Tt – tall treed (>10m in height), TI – low treed (<10m in height), S – tall or low shrub species, N – Not woody (any herbaceous or non-vascular vegetation) and X – Not vegetated

<sup>2</sup> – Ecosite codes based on FRI attributes. Ecosite codes correspond to either the Terrestrial and Wetland Ecosites of North-western Ontario (Racey et al., 1996) or the Ecosite of Ontario, Operational Draft (MNR, 2009).

<sup>3</sup> – Northwestern ecosite conversion reference illustrating the association of provincial ecosites to north-western ecosites.

<sup>4</sup> – Coding Structure: Ecosite is a best fit = B#; Ecosite is a good fit = B#; Ecosite is a poor fit = (B#).

## Appendix B2: Wetlands



Table B2: Summary of Surveyed Wetland Ecosites

PROVINCIAL ECOSITE CODES <sup>1</sup>	ECOSITE CODES BACKGROUND REVIEW <sup>2</sup>	ECOSITE CODE CONVERSION REFERENCE <sup>3,4</sup>	COMPOSITION		HYDROLOGIC CONNECTIVITY
			GENERAL DESCRIPTION OF WETLAND COMMUNITY	OWES FORMS <sup>5</sup>	
B135s Organic Thicket Swamp	ES22 Spruce-Pine / Ledum / Feathermoss: Moist, Sandy-Coarse Loamy Soil	B065, B067 (B064, B068)	This thicket swamp contains a sparse tree layer with Black Spruce ( <i>Picea mariana</i> ), White Spruce ( <i>Picea glauca</i> ), White Birch ( <i>Betula papyrifera</i> ) and Balsam Poplar ( <i>Populus balsamifera</i> ) present. The shrub layer is dominated by Speckled Alder ( <i>Alnus incana</i> ssp. <i>rugosa</i> ) with abundant Red-osier Dogwood ( <i>Cornus sericea</i> ssp. <i>sericea</i> ), with rare occurrences of Prickly Wild Rose ( <i>Rosa acicularis</i> ). Species present in the ground layer include Swamp Red Currant ( <i>Ribes triste</i> ), Labrador Tea ( <i>Ledum groenlandicum</i> ), Canada Blue-joint ( <i>Calamagrostis canadensis</i> ), Naked Mitrewort ( <i>Mitella nuda</i> ), Marsh Marigold ( <i>Caltha palustris</i> ) and Dwarf Raspberry ( <i>Rubus pubescens</i> ) among others. Sphagnum mosses were also present.	*Ts – <i>Alnus incana</i> ssp. <i>rugosa</i> , <i>Cornus sericea</i> ssp. <i>sericea</i> Ls – <i>Ribes triste</i> , <i>Ledum groenlandicum</i> Gc – <i>Mitella nuda</i> , <i>Caltha palustris</i> , <i>Rubus pubescens</i> Ne – <i>Calamagrostis canadensis</i> M – <i>Sphagnum</i> sp.	Associated with a small undefined watercourse.
B148n Mineral Shallow Marsh	ES47 Sheltered Marsh: Emergent: Sedimentary Peat Substrate	B149	This shallow marsh community was dominated by graminoid vegetation. Canada Blue-joint was the dominant species over the entire community. Additional abundant species included Beaked Sedge ( <i>Carex utriculata</i> ), Rattlesnake Manna Grass ( <i>Glyceria Canadensis</i> ), Wool Grass ( <i>Scirpus cyperinus</i> ), Leatherleaf ( <i>Chamaedephe calyculata</i> ), Sweet Gale ( <i>Myrica gale</i> ) and Marsh Cinquefoil ( <i>Potentilla palustris</i> ). Several shrub species consisting of Plane-leaved Willow ( <i>Salix planifolia</i> ), Woolly-headed Willow ( <i>Salix eriocephala</i> ), Pussy Willow ( <i>Salix discolor</i> ) and Speckled Alder were also present within the riparian areas that boarded the marsh.	Ts - <i>Alnus incana</i> <i>Salix eriocephala</i> , <i>Salix planifolia</i> Ls - <i>Myrica gale</i> , <i>Chamaedephe calyculata</i> Ne* - <i>Calamagrostis Canadensis</i> , <i>Carex utriculata</i> <i>Glyceria canadensis</i> <i>Scirpus cyperinus</i> Gc - <i>Potentilla palustris</i>	Watercourse crossing 8a.
B134s Mineral Thicket Swamp	ES44 Thicket Swamp: Organic-Mineral Soil	B134, B135	This thicket swamp community, contains a sparse canopy of White Birch, Balsam Fir ( <i>Abies balsamea</i> ) and Tamarack ( <i>Larix laricina</i> ). Speckled alder was the dominant species across the entire community with additional shrubs species consisting of Plane-leaved Willow and Red-osier Dogwood. Groundcover consisted primarily of Canada Bluejoint, Wool Grass, American Red Raspberry and Tussock Sedge ( <i>Carex stricata</i> ).  The effective soil texture of the polygon was a medium sandy loam with a moderate (>30cm to ≤ 60cm) depth and a saturated moisture regime.  An old beaver lodge and beaver chew was observed in the marsh located to the south.	TS* - <i>Alnus incana</i> ssp. <i>Rugosa</i> Ls - <i>Rubus Strigosus</i> Ne – <i>Calamagrostis Canadensis</i> , <i>Scirpus cyperinus</i> , <i>Carex stricata</i>	Watercourse crossing 279c.
B134s Mineral Thicket Swamp	ES46 Meadow Marsh: Organic-Mineral Soil	B142, B144, (B143)	This thicket swamp contains sparse canopy and sub-canopy cover which was comprised of Tamarack, Black Spruce and Eastern White Cedar ( <i>Thuja occidentalis</i> ). The shrub layer was the dominant vegetative feature containing abundant Red-osier Dogwood and Myrtle-leaved Willow ( <i>Salix myrtillifolia</i> ). Ground layer vegetation was co-dominated by Wool Grass and Canada Blue-joint with abundant occurrences of Sweet Gale also present.  The effective soil texture of the polygon was a clay loam with a deep (>120cm) overall depth and a saturated moisture regime.	*Ts - <i>Cornus sericea</i> ssp. <i>sericea</i> , <i>Salix myrtillifolia</i> Ls – <i>Myrica gale</i> Ne – <i>Scirpus cyperinus</i> , <i>Calamagrostis canadensis</i>	Associated with the Mackenzie River; watercourse crossing 17a.
B135s Organic Thicket Swamp	ES37 Rich Swamp: Cedar (Other Conifer): Organic Soil	B129, B224, (B128, B223)	This thicket swamp was dominated by Speckled Alder with Slender Willow ( <i>Salix petiolaris</i> ), Plane-laved Willow and Woolly-headed Willow also present in abundance. Groundcover was mainly composed of graminoid vegetation and low shrubs which consisted of Tussock Sedge, Sweet Gale, Swamp Fly Honeysuckle ( <i>Lonicera oblongifolia</i> ) and Canada Bluejoint Grass.  The effective soil texture of the polygon consisted of a deep folic humic organic soil with a saturated moisture regime.	TS* - <i>Alnus incana</i> ssp. <i>Rugosa</i> , Ls – <i>Myrica gale</i> , <i>Lonicera oblongifolia</i> Ne – <i>Carex Stricata</i> , <i>Calamagrostis Canadensis</i> .	---
B128Tt Organic Intermediate Conifer Swamp	ES22 Spruce-Pine / Ledum / Feathermoss: Moist, Sandy-Coarse Loamy Soil	B065, B067 (B064, B068)	This tall treed swamp community was dominated by Black Spruce and Tamarack with rare occurrences of Balsam Fir, Green Alder, Balsam Willow ( <i>Salix pyrifolia</i> ) and Pussy Willow comprised the majority of shrub layer. Groundcover was dominated by Labrador Tea with Starflower ( <i>Trientalis borealis</i> ), Sheathed Sedge ( <i>Carex vaginata</i> ) and Dwarf Raspberry associates.  The effective soil texture of the polygon consisted of deep organic soil consisting of peat (Oh) with a saturated moisture regime.	C* - <i>Picea Mariana</i> , <i>Larix laricina</i> Ts - <i>Alnus incana</i> , <i>Salix pyrifolia</i> Ls - <i>Ledum groenlandicum</i> Ne - <i>Carex vaginata</i> Gc - <i>Rubus pubescens</i> , <i>Trientalis borealis</i>	---

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			GENERAL DESCRIPTION OF WETLAND COMMUNITY	OWES FORMS <sup>5</sup>	
B134s Mineral Thicket Swamp	ES44 Thicket Swamp: Organic-Mineral Soil	B134, B135	<p>This thicket swamp community was shrub dominated consisting primarily of Speckled Alder with occasional occurrences of Red-osier Dogwood, Choke Cherry (<i>Prunus virginiana</i>) and Ninebark (<i>Physocarpus opulifolius</i>). Dominant groundcover species consisted of Purple Meadow-rue (<i>Thalictrum dasycarpum</i>), Spotted Joe-pye-weed (<i>Eutrochium maculatum</i>), Canada Blue-joint and Flat-topped White Aster (<i>Doellingeria umbellata</i>).</p> <p>The effective soil texture of the polygon was coarse sand with a deep overall depth and a saturated moisture regime.</p> <p>A large watercourse bisected the polygon and the surveyed area was effectively the riparian floodplain.</p>	<p>TS* - <i>Alnus incana</i> ssp. <i>Rugosa</i>, <i>Cornus sericea</i>                      Ne - <i>Calamagrostis canadensis</i>                      Gc – <i>Thalictrum dasycarpum</i>,</p>	Watercourse crossing 29a.
B134s Mineral Thicket Swamp	ES46 Meadow Marsh: Organic-Mineral Soil	B142, B144, (B143)	<p>This thicket swamp was shrub dominated but did contain a sparse canopy (&lt;10 of total percent coverage) consisting of Tamarack, Balsam Fir and Eastern White Cedar was present. Speckled Alder was the dominant shrub with Black Ash, Bebb's Willow and Autumn Willow also present. Groundcover consisted primarily of Sweet Gale, Tussock Sedge and Canada Blue-joint Grass.</p> <p>The effective soil texture of the polygon was a deep mineral soil with a saturated moisture regime.</p> <p>A watercourse was flowing through the area surveyed and small areas of pooling water created potential amphibian breeding habitat.</p>	<p>Ts* - <i>Alnus incana</i> ssp. <i>rugosa</i>, <i>Salix Bebbiana</i>, <i>Salix Serissima</i>                      Ls - <i>Myrica gale</i>                      Ne – <i>Carex Stricta</i>, <i>Calamagrostis canadensis</i></p>	Watercourse crossings 32a and 34a.
B142n Mineral Meadow Marsh	ES36 Intermediate Swamp: Black Spruce (Tamarack): Organic Soil	B128, B223, B129, B224, (B127, B222)	<p>This meadow marsh contained no canopy or sub-canopy and was dominated by robust emergent and graminoid vegetation. The dominant species present consisted of Broadleaved Cattail, Common Reed (<i>Phragmites australis</i>), Tussock Sedge, Lake Sedge (<i>Carex lacustris</i>) Three-way Sedge (<i>Dulichium arundinaceum</i>), Nodding Beggarticks (<i>Bidens cernua</i>) and Fraser's marsh St. John's-wort (<i>Triadenum fraseri</i>). Some low shrub species were also present, consisting of Sweet Gale and Alder Leaved Buckthorn.</p> <p>The effective soil texture of the polygon was a loamy medium sandy mixed with organic material and gravel. The overall soil depth was deep with a saturated moisture regime.</p>	<p>Ls – <i>Myrica gale</i>                      Re* - <i>Typha latifolia</i>, <i>Phragmites australis</i>                      Ne – <i>Carex stricta</i>, <i>Dulichium arundinaceum</i>, <i>Carex lacustris</i>                      gc - <i>Bidens cernua</i>,</p>	Watercourse crossing D4.
B130Tt Intolerant Hardwood Swamp	ES44 Thicket Swamp: Organic-Mineral Soil	B134, B135	<p>This tall treed swamp community contains abundant White Birch and Trembling Aspen (<i>Populus tremuloides</i>) with rare occurrences of Balsam Fir and Balsam Poplar. In addition, Showy Mountain-ash (<i>Sorbus decora</i>) and Black Ash (<i>Fraxinus nigra</i>) are present in the sub-canopy. Shrub species present include Beaked Hazelnut (<i>Corylus cornuta</i>) and Mountain Maple (<i>Acer spicatum</i>). Species present in the ground layer include Male Fern (<i>Dryopteris filix-mas</i>), Woolly-headed Willow, Starflower, Interrupted Fern (<i>Osmunda claytoniana</i>), Sensitive Fern (<i>Onoclea sensibilis</i>) and Dwarf Raspberry among others.</p>	<p>*H – <i>Betula papyrifera</i>, <i>Populus tremuloides</i>                      Ts – <i>Acer spicatum</i>, <i>Corylus cornuta</i>                      Ls – <i>Salix eriocephala</i>                      Gc – <i>Osmunda claytoniana</i>,</p>	---
B134s Mineral Thicket Swamp	ES23 Hardwood-Fir-Spruce Mixedwood: Moist, Sandy-Coarse Loamy Soil	B070 (B069, B071, B072, B073, B074, B075, B076)	<p>This mineral thicket swamp community contained sparse tree cover composed of Black Ash, White Spruce, White Birch and Balsam Fir. Speckled Alder was dominant in the shrub layer with Red-osier Dogwood, Mountain Maple, young Balsam Fir and White Birch also present in abundance. Ground layer vegetation contained Tall Meadow-rue (<i>Thalictrum pubescens</i>), Swamp Red Currant, Highbush Cranberry (<i>Viburnum opulus</i> var. <i>americanum</i>), Common Oak Fern (<i>Gymnocarpium dryopteris</i>), Sensitive Fern and Dwarf Raspberry among others.</p> <p>The effective soil texture of the polygon was a moderately deep (&gt;60cm to ≤120) silty clay with a wet moisture regime.</p>	<p>*Ts – <i>Alnus incana</i> ssp. <i>rugosa</i>, <i>Cornus sericea</i> ssp. <i>sericea</i>, <i>Acer spicatum</i>                      Ls – <i>Viburnum opulus</i> var. <i>americanum</i>                      Gc –, <i>Onoclea sensibilis</i>, <i>Rubus pubescens</i></p>	Watercourse crossings 56a and 57a. Beavers have dammed watercourse crossing 56a, creating a marsh to the north of the polygon.
B133Tt Hardwood Swamp	ES38 Rich Swamp: Black Ash (Other Hardwood): Organic-Mineral Soil	B130, B131, B132, B133	<p>This tall treed hardwood swamp community contains abundant Mountain Maple and Trembling Aspen, with occasional Balsam Fir and rare Eastern White Cedar. Shrub species present include Red-berried Elderberry (<i>Sambucus racemosa</i> var. <i>pubens</i>) and Mountain Maple, Pin Cherry (<i>Prunus pensylvanica</i>) and Speckled Alder. Species present in the ground layer include Sheathed Sedge, Red Raspberry (<i>Rubus strigosus</i>), Dwarf Raspberry and Nodding trillium (<i>Trillium cernuum</i>).</p> <p>The effective soil texture of the polygon was a shallow (&gt;15cm to ≤ 30cm in depth), coarse sandy loam with a saturated moisture regime.</p>	<p>*H – <i>Acer spicatum</i>., <i>Populus tremuloides</i>                      Ts – <i>Alnus incana</i> ssp. <i>rugosa</i>                      Gc – <i>Rubus pubescens</i>, <i>Trillium cernuum</i>                      Ne – <i>Carex vaginata</i></p>	Watercourse crossings 59a and 60a within the Black Sturgeon Tertiary Watershed.

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			GENERAL DESCRIPTION OF WETLAND COMMUNITY	OWES FORMS <sup>5</sup>	
B142n Mineral Meadow Marsh	Unknown/Cultural	---	<p>This meadow marsh community was dominated by Tussock Sedge, Rattlesnake Manna Grass and Leatherleaf. Additional species present included Marsh Cinquefoil, Nodding Beggarticks, Purple-stem Aster (<i>Symphyotrichum puniceum</i>), Grass-leaved Goldenrod (<i>Euthamia graminifolia</i>), Dwarf Raspberry and Beaked Sedge.</p> <p>The effective soil texture of the polygon was a shallow clay loam with a saturated moisture regime.</p> <p>The surveyed area was previously a beaver pond but the dam broke in 2012 according to landowner.</p>	<p>Ls -<i>Chamaedaphne calyculata</i>                      Ne* - <i>Carex stricta</i>, <i>Glyceria Canadensis</i>                      Gc - <i>Rubus pubescens</i>, <i>Bidens cernua</i>, <i>Symphyotrichum puniceum</i>, <i>Euthamia graminifolia</i></p>	Watercourse crossing D12.
B134s Mineral Thicket Swamp	Unknown/Cultural	---	<p>This thicket swamp community contained sparse occurrences of White Birch, Tamarack and willow species within the canopy and sub-canopy. Speckled Alder and Red-osier Dogwood were co-dominants within the community, with additional shrub species consisting of Pussy Willow, Bebb's Willow (<i>Salix bebbiana</i>) and Wooly-headed Willow. Groundcover vegetation was primarily composed of Canada Blue-joint, Prickly Wild Rose, Dwarf Raspberry, Purple-stem Aster and Canada Mayflower (<i>Maianthemum canadense</i>).</p> <p>The effective soil texture of the polygon was a deep silty clay with a saturated moisture regime.</p>	<p>Ts* - <i>Alnus incana</i> ssp. <i>Rugosa</i>, <i>Cornus sericea</i>, <i>Salix bebbiana</i>, <i>Salix discolor</i>                      Ne -<i>Calamagrostis Canadensis</i>,                      Gc - <i>Rubus pubescens</i>, <i>Maianthemum canadense</i>, <i>Symphyotrichum puniceum</i></p>	---
B224Tt Mineral Rich Conifer Swamp	ES37 Rich Swamp: Cedar (Other Conifer): Organic Soil	B129, B224, (B128, B223)	<p>The tall treed swamp canopy and sub-canopy consisted of Tamarack, Eastern White Cedar and Balsam Fir. The understory was composed of Black Ash and Speckled Alder, Bebb's Willow, saplings of Eastern White Cedar and Balsam Fir. Dominant groundcover consisted of Stiff Clubmoss, Three-seeded Sedge (<i>Carex trisperma</i>), Star Flower, Bunchberry and Sheathed Sedge.</p> <p>The effective texture for soils within the polygon was Loamy fine sand with a saturated moisture regime.</p> <p>A large portion of the Tamarack and Eastern White Cedar were very large &gt;50 DBH and could be considered old growth. Several areas of pooling water were also observed throughout the polygon.</p>	<p>*C – <i>Picea mariana</i>, <i>Thuja occidentalis</i>                      Ts – <i>Thuja occidentalis</i>                      Alnus incana ssp. <i>rugosa</i>                      Ne – <i>Carex trisperma</i>, <i>Carex vaginata</i>                      Gc – <i>Cornus canadensis</i>, <i>Trientalis borealis</i></p>	Watercourse crossing D14 flows through the polygon.
B150n Open Water Marsh: Floating-leaved	Unknown/Cultural	---	<p>This open water marsh community was dominated by Yellow Sedge (<i>Carex flava</i>), Wool Grass, Water Buttercup (<i>Ranunculus longirostris</i>) and Nodding Beggarticks. Additional species present included Broad-leaved Pondweed (<i>Potamogeton Natans</i>), Northern Bugleweed (<i>Lycopus uniflorus</i>), American mannagrass (<i>Glyceria grandis</i>), Retrorse Sedge (<i>Carex retrorsa</i>) and Ginger Mint (<i>Mentha arvensis</i>).</p> <p>The effective texture for soils within the polygon was organic and consisted of folc humic soils mixed with gravel under 30cm of water on average.</p>	<p>Ne - <i>Carex Flava</i>, <i>Scirpus cyperinus</i>                      Gc - <i>Bidens cernua</i>                      F* - <i>Ranunculus longirostris</i>, <i>Potamogeton Natans</i></p>	Watercourse crossing 64a.
B130Tt Intolerant Hardwood Swamp	ES37 Rich Swamp: Cedar (Other Conifer): Organic Soil	B129, B224, (B128, B223)	<p>This tall treed swamp community's canopy and sub-canopy was dominated by White Birch with occasional occurrences of Balsam Fir and Mountain Maple. The understory was primarily composed of Speckled Alder, Showy Mountain-ash and Mountain Maple. Groundcover species consisted primarily of Bunchberry, Sheathed Sedge, Bristly Clubmoss, Marginal Wood Fern and Marsh Horsetail.</p> <p>The effective soil texture of the polygon was deep clay with a saturated moisture regime.</p> <p>Several areas of pooling surface water were observed within the polygon.</p>	<p>H* – <i>Acer Spicatum</i>, <i>Betutla papyrifera</i>                      gc – <i>Cornus Canadensis</i>, <i>Lycopodium annotinum</i>, <i>Equisetum palustre</i></p>	Watercourse crossing 74a; the Black Sturgeon River.

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			GENERAL DESCRIPTION OF WETLAND COMMUNITY	OWES FORMS <sup>5</sup>	
B147s Shrub Shore Fen	Unknown/Cultural	---	<p>This shore fen community contains sparse occurrences of stunted Tamarack, Black Spruce and White Birch. Low shrubs consisting of Leatherleaf was the dominant species over the entire community. Species abundant in the ground layer include Water Horsetail (<i>Equisetum fluviatile</i>), Bog Rosemary (<i>Andromeda polifolia</i> var. <i>glaucophylla</i>) and Pitcher Plant (<i>Sarracenia purpurea</i>). The moss <i>Sphagnum warnstorffii</i> is also present.</p> <p>The effective soil texture of the polygon was organic soils consisting of deep peat (Om) with a saturated moisture regime.</p> <p>Area of polygon surveyed was located adjacent to the Highway.</p>	<p>Ls* – <i>Chamaedaphne calyculata</i>, <i>Andromeda polifolia</i> var. <i>glaucophylla</i>                      Gc – <i>Equisetum fluviatile</i>, <i>Sarracenia purpurea</i>                      M - <i>Sphagnum warnstorffii</i></p>	Watercourse crossings 71a, 72a and 73a.
B135s Organic Thicket Swamp	Unknown/Cultural	---	<p>This thicket swamp community contains sparse canopy cover consisting of young Black Spruce. Speckled Alder is the dominant species overall, with Red-osier Dogwood also occurring in abundance. Species present in the ground layer include Marsh Marigold, Marsh Horsetail (<i>Equisetum palustre</i>), Dwarf Raspberry and Swamp Fly Honeysuckle.</p> <p>The effective soil texture of the polygon was a deep sandy clay with a saturated moisture regime.</p>	<p>*Ts – <i>Alnus incana</i> ssp. <i>rugosa</i>                      Ls – <i>Lonicera oblongifolia</i>                      Gc – <i>Caltha palustris</i>                      Ne - <i>Equisetum palustre</i></p>	Watercourse crossings 81a and 82a.
B129Tt Organic Rich Conifer Swamp	ES17 White Cedar: Fresh-Moist, Coarse-Fine Loamy Soil	B051, B066, B115, B084, B100	<p>This tall treed swamp community is dominated by Eastern White Cedar with abundant Balsam Fir also occurring in the canopy and sub-canopy. Mountain Maple was the overall dominant species present within the understory. Species abundant in the groundlayer consisted of Swamp Fly Honeysuckle, Mooseberry (<i>Viburnum edule</i>), Dwarf Raspberry, Canada Mayflower and Lake Bank Sedge (<i>Carex lacustris</i>).</p> <p>The effective soil texture of the polygon was deep sandy clay with a saturated moisture regime.</p>	<p>*C – <i>Thuja occidentalis</i>, <i>Abies balsamea</i>                      Ts – <i>Acer spicatum</i>                      Ls – <i>Viburnum edule</i>                      Gc – <i>Rubus pubescens</i>, <i>Maianthemum canadense</i>                      Ne – <i>Carex lacustris</i></p>	Watercourse crossing 86a.
B136Tl Sparse Treed Fen	Unknown/Cultural	---	<p>This treed fen community is dominated by Tamarack and Black Spruce, with rare occurrences of Eastern White Cedar and Willows. Species present in the ground layer include abundant Labrador Tea and Creeping Snowberry (<i>Gaultheria hispidula</i>) as well as Bog Rosemary and Bunchberry (<i>Cornus canadensis</i>).</p> <p>The effective soil texture of the polygon was a deep organic soil consisting of peat (Om) with a saturated moisture regime.</p>	<p>*C – <i>Picea mariana</i>, <i>Larix laricina</i>                      Ls – <i>Ledum groenlandicum</i>, <i>Andromeda polifolia</i> var. <i>glaucophylla</i>                      Gc - <i>Cornus canadensis</i>, <i>Gaultheria hispidula</i></p>	---
B224Tt Mineral Rich Conifer Swamp	ES21 Fir-Spruce Mixedwood: Fresh, Coarse Loamy Soil	B052, B050, (B053)	<p>This tall treed swamp community is dominated by Eastern White Cedar, with Black Spruce, Balsam Fir and White birch also present. Mountain Maple was the most abundant shrub species present within the understory. Species found in the ground layer include Bluebead Lily (<i>Clintonia borealis</i>), Canada Mayflower, Common Oak Fern and Starflower.</p> <p>The effective soil texture of the polygon was a deep loam with a saturated moisture regime.</p>	<p>*C – <i>Thuja occidentalis</i>, <i>Picea mariana</i>, <i>Abies balsamea</i>                      H – <i>Betula papyrifera</i>                      Ts – <i>Acer spicatum</i>                      Gc – <i>Clintonia borealis</i>, <i>Maianthemum canadense</i></p>	Adjacent to Ivan Lake.
B144n Organic Meadow Marsh	Unknown/Cultural	---	<p>This meadow marsh community contains sparse canopy cover consisting mainly of Tamarack. Occasional occurrences of Speckled Alder are present along the riparian margins of the marsh. The overall community is dominated by sedge species consisting primarily of Tussock Sedge, with Broad-leaved Cattail, Floating-leaf Pondweed, Bulb-bearing Water-hemlock (<i>Cicuta bulbifera</i>), Water Bur-reed (<i>Sparganium fluctuans</i>) also present.</p> <p>Large areas of open water are present within the centre of the polygon with the area surveyed consisting of the marsh boarder around the lake edge.</p>	<p>*Ne – <i>Carex stricta</i>                      Gc – <i>Cicuta bulbifera</i>                      F – <i>Potamogeton natans</i>                      Re – <i>Typha latifolia</i></p>	Part of Ivan Lake and associated with watercourse crossing 80a.
B129Tt Organic Rich Conifer Swamp	ES35 Poor Swamp: Black Spruce: Organic Soil	B127, B222 (B128, B223)	<p>The tall treed swamp community was dominated by Eastern White Cedar with occasional occurrences of Balsam Poplar, White Birch and Black Spruce. Bebb's Willow, Pussy Willow, Speckled Alder and Red-osier Dogwood were the dominant shrub species. Groundcover consisted of Alder-leaved Buckthorn (<i>Rhamnus alnifolia</i>), Canada Mayflower, Two-seeded Sedge (<i>Carex disperma</i>), Naked Miterwort, Canada Mayflower and Northern Oak fern.</p> <p>The effective soil texture of the polygon was a folic humic organic soil with a deep overall depth and a saturated moisture regime.</p>	<p>H - <i>Populus balsamifera</i>                      C* - <i>Thuja occidentalis</i>, <i>Picea Mariana</i>                      Ts - <i>Salix bebbiana</i>, <i>Salix discolor</i>, <i>Alnus incana</i>                      Gc - <i>Cornus Canadensis</i></p>	Watercourse crossing 85a.



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			GENERAL DESCRIPTION OF WETLAND COMMUNITY	OWES FORMS <sup>5</sup>	
B139s Moderately Rich Fen	Unknown/Cultural	---	<p>This fen community contains a sparse covering of Black Spruce. The shrub layer contains abundant Leatherleaf with rare occurrences of Speckled Alder. Species present in the ground layer include boreal bog sedge (<i>Carex paupercula</i>), Rattlesnake Manna Grass, Tussock Cotton-grass (<i>Eriophorum vaginatum</i>), Bog Rosemary and Few-flowered Sedge (<i>Carex pauciflora</i>).</p> <p>The effective soil texture of the polygon was an organic soils consisting of deep peat (Oh) with a saturated moisture regime.</p>	*Ls – <i>Chamaedaphne calyculata</i> Ne – <i>Carex pauciflora</i> <i>Glyceria canadensis</i> var. <i>canadensis</i> , <i>Carex paupercula</i> , <i>Eriophorum vaginatum</i>	Watercourse crossings 90a and 91a.
B129Tt Organic Rich Conifer Swamp	ES37 Rich Swamp: Cedar (Other Conifer): Organic Soil	B129, B224, (B128, B223)	<p>This tall treed swamp community was co-dominated by Black Spruce and Balsam Fir in the canopy and sub-canopy with occasional occurrences of White Birch. Speckled Alder, Red-osier Dogwood and young Balsam Fir comprised the majority of the understory. Groundcover primarily consisted of Canada Mayflower, Marsh Horsetail, Three-Seeded Sedge, Twinflower, Star Flower and Labrador Tea.</p> <p>The effective soil texture of the polygon was a folic humic organic soil with a deep overall depth and a saturated moisture regime.</p>	H - <i>Betula papyrifera</i> C* - <i>Picea mariana</i> , <i>Abies balsamea</i> Ne – <i>Equisetum palustre</i> Ts - <i>Alnus incana</i> , <i>Cornus sericea</i> Gc - <i>Cornus Canadensis</i> , <i>Ledum groenlandicum</i>	---
B137Tt Rich Conifer Swamp	ES14 Pine-Spruce Mixedwood: Sandy Soil	B035, B034, B036, B037 (B038)	<p>This tall treed swamp community was dominated by Black Spruce, Eastern White Cedar, White Birch and Tamarack which were present in equal abundance within the canopy. Speckled Alder was the sole dominant species present within the shrub layer. Species present in the ground layer include Labrador Tea, Low Sweet Blueberry (<i>Vaccinium angustifolium</i>), Creeping Snowberry, Woodland Horsetail (<i>Equisetum sylvaticum</i>), Starflower, Bunchberry, Common Clubmoss (<i>Lycopodium clavatum</i>), Small Cranberry (<i>Vaccinium oxycoccos</i>), Pink Moccasin Flower (<i>Cypripedium acaule</i>) and Goldthread (<i>Coptis trifolia</i>), among others.</p> <p>The effective soil texture of the polygon was deep loamy coarse sand with a saturated moisture regime.</p>	*C – <i>Picea mariana</i> , <i>Thuja occidentalis</i> , <i>Larix laricina</i> H – <i>Betula papyrifera</i> Ts – <i>Alnus incana</i> ssp. <i>rugosa</i> Ls – <i>Vaccinium angustifolium</i> Gc – <i>Coptis trifolia</i> , <i>Cypripedium acaule</i> M – <i>Lycopodium clavatum</i>	Watercourse crossing 99a; a tributary to Dublin Creek.
B136Tt Sparse Treed Fen	ES36 Intermediate Swamp: Black Spruce (Tamarack): Organic Soil	B128, B223, B129, B224, (B127, B222)	<p>This fen community's canopy vegetation was composed entirely of Black Spruce and Tamarack. Understory cover was sparse, consisting of stunted Black Spruce and Tamarack with some Speckled Alder. The ground cover was dominated by various species of moss in addition to Wool Grass, Round-leaved Sundew (<i>Drosera rotundifolia</i>), Two-seeded Sedge and Boreal Bog Sedge.</p> <p>The effective soil texture of the polygon was an organic soil consisting of peat (Om) over a layer of loam. The overall soil depth was deep with a saturated moisture regime.</p>	C* <i>Picea mariana</i> Ts – <i>Alnus incana</i> Ls - <i>Ledum groenlandicum</i> Ne - <i>Scirpus cyperinus</i> , <i>Carex paupercula</i> , <i>Carex disperma</i> Gc - <i>Drosera rotundifolia</i>	Watercourse crossing 100a located along the eastern edge of polygon.
B130Tt Intolerant Hardwood Swamp	Unknown/Cultural	---	<p>This tall treed swamp community canopy and sub-canopy was dominated by Black Ash and Black Spruce. Speckled Alder was the dominant shrub with Balsam Fir, Red-osier Dogwood, American Mountain-ash (<i>Sorbus Americana</i>) and Mooseberry associates. Groundcover consisted primarily of Violet Species, Tall Meadow-rue, Northern Water-horehound, Dwarf Raspberry, Starflower, Bluebead Lily, Goldthread and Three-leaved Solomon's Seal.</p> <p>The effective soil texture of the polygon was deep loamy very fine sand with a wet moisture regime.</p>	C - <i>Picea Mariana</i> H* - <i>Fraxinus nigra</i> Ts - <i>Alnus incana</i> ssp. <i>Rugosa</i> , <i>Cornus sericea</i> , Gc - <i>Rubus pubescens</i> , <i>Trientalis borealis</i> , <i>Clintonia borealis</i> ,	Watercourse crossing 221a.
B128Tt Organic Intermediate Conifer Swamp	ES35 Poor Swamp: Black Spruce: Organic Soil	B127, B222 (B128, B223)	<p>This tall treed swamp community contains Black Spruce as the dominant canopy species, with Balsam Fir and Trembling Aspen also present. Beaked Hazelnut and Speckled Alder are the main species present in the shrub layer. Species found in the ground layer include Common Clubmoss, Wild Sarsaparilla (<i>Aralia nudicaulis</i>), Starflower, Labrador Tea, Bluebead Lily, Mooseberry, and Fragrant Bedstraw (<i>Galium triflorum</i>) among others.</p> <p>The effective soil texture of the polygon was a folic humic organic soil with a deep overall depth and a wet moisture regime.</p>	*C – <i>Picea mariana</i> , <i>Abies balsamea</i> H – <i>Populus tremuloides</i> Ts – <i>Alnus incana</i> ssp. <i>rugosa</i> , <i>Corylus cornuta</i> Ls – <i>Ledum groenlandicum</i> , Gc – <i>Clintonia borealis</i> , <i>Trientalis borealis</i> ,	Watercourse crossing 142a.

PROVINCIAL ECOSITE CODES <sup>1</sup>	ECOSITE CODES BACKGROUND REVIEW <sup>2</sup>	ECOSITE CODE CONVERSION REFERENCE <sup>3, 4</sup>	COMPOSITION		HYDROLOGIC CONNECTIVITY
			GENERAL DESCRIPTION OF WETLAND COMMUNITY	OWES FORMS <sup>5</sup>	
B142n Mineral Meadow Marsh	B142n Mineral Meadow Marsh	---	This meadow marsh community contained scattered occurrences of Eastern White Cedar, Speckled Alder, Plane-leaved Willow and Red-osier Dogwood mainly within the riparian fringe. The dominant species of this community was Canada Bluejoint with additional groundcover consisting of Broad-leaved Cattail ( <i>Typha latifolia</i> ), Spotted Joe-Pye Weed, Marsh Marigold and Dwarf Raspberry.  The effective soil texture of the polygon was silty coarse sand with a deep overall depth and a saturated moisture regime.	C - <i>Thuja occidentalis</i> Ts - <i>Alnus incana</i> , <i>Cornus sericea</i> , <i>Salix planifolia</i> Ne* - <i>Calamagrostis Canadensis</i> Be - <i>Caltha Palustris</i> Gc - <i>Eutrochium maculatum</i> , <i>Rubus pubescens</i> Re - <i>Typha latifolia</i>	Watercourse crossing 146a.
B134s Mineral Thicket Swamp	B142s Mineral Meadow Marsh	---	This thicket swamp community contained sparse canopy and sub-canopy cover consisting of Balsam Fir. Speckled Alder was the dominant overall species, with additional abundant understory species consisting of Red-osier Dogwood and Plane-leaved Willow. Species common within the groundcover consisted of Northern Beech Fern ( <i>Phegopteris connectilis</i> ), Mooseberry, Wool Grass, Sheathed Sedge and Dwarf Raspberry.  The effective soil texture of the polygon consisted of a shallow, silty fine sand with a saturated moisture regime.	Ts* <i>Alnus incana</i> ssp. <i>Rugosa</i> , <i>Alnus incana</i> , <i>Cornus sericea</i> , <i>Salix planifolia</i> Ne - <i>Scirpus cyperinus</i> , <i>Carex vaginata</i> Gc - <i>Phegopteris connectilis</i> , <i>Rubus pubescens</i>	---
B136TI Sparse Treed Fen	B142n Mineral Meadow Marsh	---	This fen community contained stunted Black Spruce and Tamarack which were the sole species present within the canopy and sub-canopy. Several species of sphagnum moss were the dominant species overall, with Leatherleaf, Labrador Tea, Cloudberry ( <i>Rubus chamaemorus</i> ) and Crowberry ( <i>Empetrum nigrum</i> ) also occurring in abundance.  The effective soil texture of the polygon consisted of an organic soil composed of peat (Of) with a deep overall depth and a saturated moisture regime.  This community also contained an inclusion of a moderately rich open fen in the north-eastern section of the polygon where water saturation appeared to increase preventing tree establishment.	C - <i>Picea mariana</i> , <i>Larix laricina</i> Ls - <i>Ledum groenlandicum</i> , <i>Chamaedaphne calyculata</i> M* - sphagnum spp. Gc - <i>Empetrum nigrum</i> , <i>Rubus chamaemorus</i>	---
B142n Mineral Meadow Marsh	B142n Mineral Meadow Marsh	---	This meadow marsh was composed of a mixture of graminoid, emergent and low shrub vegetation. Species observed primarily consisted of Swamp Candles ( <i>Lysimachia terrestris</i> ), Broad-leaved Cattail, Marsh Cinquefoil, Sweet Gale and Bunchberry. Black Spruce, Paper Birch and Balsam Fir were also present in low densities scattered throughout the marsh and within the riparian area.  The effective soil texture of the polygon consisted of a coarse sandy loam with a moderately deep overall depth and a saturated moisture regime.	Ls* - <i>Myrica gale</i> Re - <i>Typha latifolia</i> Gc - <i>Lysimachia terrestris</i> , <i>Cornus Canadensis</i> , <i>Potentilla palustris</i>	Watercourse crossing 166a.
B134s Mineral Thicket Swamp	B010s Very Shallow, Dry to Fresh: Shrub	---	This thicket swamp community contained sparse canopy coverage consisting primarily of Black Spruce and Balsam Fir. Speckled Alder was the dominant overall species over the entire community with additional abundant shrub species consisting of Pussy Willow and Red-osier Dogwood. Groundcover was primarily composed of Canada Blue-joint.  The effective soil texture of the polygon was a deep mineral soil.	Ts* - <i>Alnus incana</i> ssp. <i>Rugosa</i> , <i>Salix discolor</i> , <i>Cornus sericea</i> , <i>Salix pyrifolia</i> Re - <i>Calamagrostis Canadensis</i> ,	---
B129Tt Organic Rich Conifer Swamp	Unknown/Cultural	---	This tall treed swamp community is dominated by Eastern White Cedar with Balsam Fir, Black Spruce and Tamarack also present. Speckled Alder is present in the shrub layer.  The effective soil texture of the polygon consisted of an organic soil comprised of peat (Om) with a deep overall depth and a saturated moisture regime.	*C - <i>Thuja occidentalis</i> , <i>Abies balsamea</i> , <i>Picea mariana</i> Ts - <i>Alnus incana</i> ssp. <i>rugosa</i>	---
B135s Organic Thicket Swamp	B063s Moist, Coarse: Shrub	---	Speckled Alder was the dominant species throughout this thicket swamp community with additional tree and shrub species consisting of Tamarack, Pussy Willow, Balsam Willow and Red-osier Dogwood. Groundcover was primarily composed of Canada Blue-joint, Bristly Clubmoss ( <i>Lycopodium annotinum</i> ), Canada Mayflower and Starflower.  The effective soil texture of the polygon consisted of an organic soil comprised of peat (Oh) with a deep overall depth and a saturated moisture regime.	C - <i>Larix laricina</i> Ts* - <i>Alnus incana</i> , <i>Salix discolor</i> , <i>Cornus sericea</i> , Re - <i>Calamagrostis Canadensis</i> , Gc - <i>Lycopodium annotinum</i> , <i>Maianthemum canadense</i> , <i>Trientalis borealis</i>	---

PROVINCIAL ECOSITE CODES <sup>1</sup>	ECOSITE CODES BACKGROUND REVIEW <sup>2</sup>	ECOSITE CODE CONVERSION REFERENCE <sup>3,4</sup>	COMPOSITION		HYDROLOGIC CONNECTIVITY
			GENERAL DESCRIPTION OF WETLAND COMMUNITY	OWES FORMS <sup>5</sup>	
B134s Mineral Thicket Swamp	B142n Mineral Meadow Marsh	---	<p>This thicket swamp community is dominated by Speckled Alder, with Showy Mountain-ash also present. Dominant ground layer species included Dwarf Raspberry, Marsh Marigold and Sensitive Fern.</p> <p>The effective soil texture of the polygon consisted of a deep loam with a saturated moisture regime.</p>	*Ts – Alnus incana ssp. rugosa Gc – Rubus pubescens, Onoclea sensibilis	Watercourse crossing 194a.
B142n Mineral Meadow Marsh	Unknown/Cultural	---	<p>This meadow marsh community was dominated by graminoid vegetation. Sparse tree and shrub species were present and consisted of White Birch, Speckled Alder, Bartram's Serviceberry and Showy Mountain-ash. The dominant overall species were Wool Grass and Inland Sedge (Carex interior) with Fraser's St. John's-wort, Rattlesnake Manna Grass, Canada Blue-joint, Bebb's Sedge (Carex bebbii), Fringed Sedge (Carex crinita) and Dwarf Raspberry occurring as associates.</p> <p>The effective soil texture of the polygon consisted of a folic humic organic soil with a shallow overall depth and a wet moisture regime.</p>	Ts - Alnus Incana Ne* - Scirpus cyperinus, Glyceria Canadensis, Carex interior, Carex bebbii Gc - Rubus pubescens, Triadenum fraseri	Watercourse crossing 193a.
B129Tt Organic Rich Conifer Swamp	Unknown/Cultural	---	<p>This tall treed swamp community contains abundant Eastern White Cedar with rare occurrences of Tamarack and White Birch. The shrub layer contains Speckled Alder, Swamp Fly Honeysuckle, Red-osier Dogwood, Sweet Gale, Showy Mountain Ash and Autumn Willow. Ground layer species include Water Horsetail, Field Horsetail, Broad-leaved Cattail, Twinflower, Swamp Red Current, Inland Sedge, Tussock Sedge, Bunchberry, Dwarf Raspberry, Marsh Marigold and Labrador Tea among others.</p> <p>The effective soil texture of the polygon consisted of an organic soil comprised of peat (Oh) with a deep overall depth and a wet moisture regime.</p> <p>Most of the west section of polygon was composed of a mixedwood forest that is likely a continuation of the polygon to the west. The area surveyed was the wetland area to the NE, E, and SE.</p>	*C – Thuja occidentalis Ts – Alnus incana ssp. rugosa, Cornus sericea ssp. sericea Re – Typha latifolia Ne – Carex stricta Gc - Linnaea borealis var. borealis, Cornus canadensis, Rubus pubescens	Watercourse crossings 272c and 273c.
B128Tt Organic Intermediate Conifer Swamp	Unknown/Cultural	---	<p>The canopy of this tall treed swamp community was primarily composed of Tamarack, Black Spruce and Eastern White Cedar. The understory consisted primarily of Balsam Willow, Speckled Alder and Red-osier Dogwood. Groundcover consisted mainly of Three-seeded Sedge, Two-seeded Sedge, Marsh Horsetail, Narrow-leaved Cottongrass (Eriophorum angustifolium), Leafy Northern Green Orchid (Platanthera hyperborean), Purple-stem Aster and Marsh Goldenrod (Solidago uliginosa).</p> <p>The effective soil texture of the polygon consisted of a folic humic organic soil with a deep overall depth and a wet moisture regime.</p>	C* - Picea mariana, Thuja occidentalis, Larix laricina Ts - Alnus incana, Cornus sericea, Salix pyrifolia Ne - Carex trisperma, Carex disperma, Gc - Solidago uliginosa, Symphyotrichum puniceum,	Watercourse crossing 661S which flows into a marsh to the south.
B127Tt Organic Poor Conifer Swamp	B048Tt Dry to Fresh, Coarse: Red Pine - White Pine Conifer	---	<p>This tall treed swamp community contains abundant Black Spruce with Tamarack and Balsam Fir also present. Showy Mountain-ash, White Spruce and White Birch are present in the sub-canopy. Shrubs present include alders, Red-osier Dogwood and Mountain Maple. Species found in the ground layer include Labrador Tea, Dwarf Raspberry, Wild Sarsaparilla, Smooth Wild Rose (Rosa blanda) and Common Oak Fern.</p> <p>The effective soil texture of the polygon consisted of a deep coarse sandy loam with a saturated moisture regime.</p>	*C – Picea mariana, Larix laricina, Abies balsamea Ts – Cornus sericea ssp. sericea, Acer spicatum Ls – Ledum groenlandicum, Rosa blanda Gc – Rubus pubescens, Aralia nudicaulis, Gymnocarpium dryopteris	---
B127Tt Organic Poor Conifer Swamp	B128Tt Organic Intermediate Conifer Swamp	---	<p>This tall treed swamp community is dominated by Black Spruce in the canopy, with occasional willows present in the sub-canopy. The shrub layer is dominated by Speckled Alder, with occasional Balsam Fir, Mooseberry and Showy Mountain-ash. Ground layer vegetation includes Bunchberry, Dwarf Raspberry, Wild Sarsaparilla, Labrador Tea, Common Oak Fern and Mountain Fly Honeysuckle among others.</p> <p>The effective soil texture of the polygon consisted of a folic incorporated organic soil with a moderately deep overall depth and a saturated moisture regime.</p>	*C – Picea mariana Ts – Alnus incana ssp. rugosa, Cornus sericea ssp. sericea Ls – Ledum groenlandicum, Lonicera villosa Gc – Gymnocarpium dryopteris, Rubus pubescens, Cornus canadensis	---

PROVINCIAL ECOSITE CODES <sup>1</sup>	ECOSITE CODES BACKGROUND REVIEW <sup>2</sup>	ECOSITE CODE CONVERSION REFERENCE <sup>3, 4</sup>	COMPOSITION		HYDROLOGIC CONNECTIVITY
			GENERAL DESCRIPTION OF WETLAND COMMUNITY	OWES FORMS <sup>5</sup>	
B128Tt Organic Intermediate Conifer Swamp	B128Tt Organic Intermediate Conifer Swamp	---	This tall treed swamp community contains abundant Black Spruce and Tamarack. In addition to these species, Shinning Willow ( <i>Salix lucida</i> ) and Balsam Fir are also found in the sub-canopy. The shrub layer is dominated by Speckled Alder, with occasional Red-osier Dogwood and rare Showy Mountain-ash and Saskatoon Berry ( <i>Amelanchier alnifolia</i> ). Species found in the ground layer include Labrador Tea, Dwarf Raspberry, Common Strawberry ( <i>Fragaria virginiana</i> ssp. <i>virginiana</i> ) and Smooth Wild Rose.  The effective soil texture of the polygon consisted of a folic incorporated organic soil with a deep overall depth and a saturated moisture regime.	*C – <i>Picea mariana</i> , <i>Larix laricina</i> Ts – <i>Salix lucida</i> , <i>Alnus incana</i> ssp. <i>rugosa</i> , <i>Cornus sericea</i> ssp. <i>sericea</i> Ls – <i>Ledum groenlandicum</i> , <i>Rosa blanda</i> Gc – <i>Rubus pubescens</i> , <i>Fragaria virginiana</i> ssp. <i>virginiana</i>	Watercourse crossing 231a.
B126Tl Sparse Treed Fen	B065Tt Moist, Coarse: Black Spruce - Pine Conifer	---	This fen community canopy and sub-canopy was solely dominated by Black Spruce and Tamarack. Species abundant within the ground layer were sphagnum moss species with other abundant species being Three-seeded Sedge, Narrow-leaved Woolly Sedge ( <i>Carex lasiocarpa</i> ), leather Leaf and Bog Rosemary.  The effective soil texture of the polygon consisted of deep organic soil composed of peat (Oh) with a saturated moisture regime.	C* - <i>Picea Mariana</i> Ls - <i>Chamaedaphne calyculata</i> , <i>Andromeda polifolia</i> ssp. <i>glaucophylla</i> - Ne - <i>Carex trisperma</i> - <i>Carex lasiocarpa</i> M* sphagnum moss spp.	Watercourse crossing 233a is located to the east of the polygon.
B135s Organic Thicket Swamp	Unknown/Cultural	---	This thicket swamp community was dominated by Speckled Alder, with additional shrub species consisting of Red-osier Dogwood, Autumn Willow and Alder-leaved Buckthorn. Scattered occurrences of Tamarack and Eastern White Cedar were also present within the canopy.  The effective soil texture of the polygon consisted of a deep folic humic organic soil with a saturated moisture regime.	*Ts – <i>Alnus incana</i> ssp. <i>rugosa</i> , <i>Cornus sericea</i> ssp. <i>sericea</i>	Watercourse crossing 235b; Wabikoba Creek.
B149n Organic Shallow Marsh	Unknown/Cultural	---	This shallow marsh community contains rare occurrences of Black Spruce along the riparian boarder. Shrub cover was also sparse, consisting of Sweet Gale, Dwarf Birch ( <i>Betula pumila</i> ) and Narrow-leaved Meadow Sweet ( <i>Spiraea alba</i> ). Groundcover consisted of Tussock Sedge, Floating-leaf Pondweed and Bullhead Pond-lily ( <i>Nuphar variegata</i> ).  The effective soil texture of the polygon consisted of an organic soil that was under 20cm to 1 m of water in areas sampled.	C - <i>Picea Mariana</i> Ts - <i>Betula pumila</i> s - <i>Myrica Gale</i> *Ne – <i>Carex stricta</i> F – <i>Potamogeton natans</i> , <i>Nuphar variegata</i>	Watercourse crossing 233a.
B129Tt Organic Rich Conifer Swamp	B129Tt Organic Rich Conifer Swamp	---	This tall treed community was dominated by Eastern White Cedar with additional species consisting of Balsam Fir, Tamarack and Black Spruce. Shrub cover was dominated by Red osier-Dogwood, Mountain Fly honeysuckle and Showy Mountain-ash. Groundcover consisted of Canada Bluegrass, Labrador Tea, Canadian Gooseberry ( <i>Ribes oxycanthoides</i> ) and Dwarf Raspberry.  The effective soil texture of the polygon consisted of a deep folic humic organic soil with a saturated moisture regime.	C* - <i>Thuja occidentalis</i> , <i>Larix laricina</i> , <i>Picea mariana</i> Ts - <i>Cornus sericea</i> Ls - <i>Lonicera villosa</i> , <i>Ledum groenlandicum</i> , <i>Rubus pubescens</i> Re- <i>Calamagrostis Canadensis</i>	---
B129Tt Organic Rich Conifer Swamp	ES36 Intermediate Swamp: Black Spruce (Tamarack): Organic Soil	B128, B223, B129, B224, (B127, B222)	This tall treed swamp community is dominated by Eastern White Cedar, with Black Spruce, Tamarack and White Birch also present. Speckled Alder was the dominant shrub species throughout the understory. Species present in the ground layer include One-flowered Pyrola ( <i>Moneses uniflora</i> ), Bunchberry, Creeping Snowberry, Bluebead Lily, Starflower, Labrador Tea, Low Sweet Blueberry and Sphagnum mosses.  The effective soil texture of the polygon consisted of a deep organic soil composed peat (Oh) with a saturated moisture regime.	*C – <i>Thuja occidentalis</i> , <i>Picea mariana</i> , <i>Larix laricina</i> Ts – <i>Alnus incana</i> ssp. <i>rugosa</i> Ls – <i>Ledum groenlandicum</i> , <i>Vaccinium angustifolium</i> Gc – <i>Cornus canadensis</i> , M – <i>Sphagnum</i> sp.	---
B134s Mineral Thicket Swamp	Unknown/Cultural	---	This thicket swamp community contains sparse Trembling Aspen and Jack Pine ( <i>Pinus banksiana</i> ). The shrub layer is dominated by Speckled Alder with Red-osier Dogwood also abundant. Other shrub species include Bebb's Willow, Pussy Willow and Sweet Gale. Species present in the ground layer include Swamp Red Currant, Reed Grass ( <i>Calamagrostis</i> sp.), Tussock Sedge, Swamp Fly Honeysuckle, Water Horsetail and Labrador Tea, among others.  The effective soil texture of the polygon consisted of a loamy very fine sand with a deep overall depth and a wet moisture regime.	*Ts – <i>Alnus incana</i> ssp. <i>rugosa</i> , <i>Cornus sericea</i> ssp. <i>sericea</i> , <i>Salix bebbiana</i> , <i>Salix discolor</i> Ls – <i>Myrica gale</i> , <i>Ribes triste</i> , <i>Ledum groenlandicum</i> Ne – <i>Calamagrostis</i> sp., <i>Carex stricta</i> , <i>Equisetum fluviatile</i>	Watercourse crossings 243b, 244b, 245b.



PROVINCIAL ECOSITE CODES <sup>1</sup>	ECOSITE CODES BACKGROUND REVIEW <sup>2</sup>	ECOSITE CODE CONVERSION REFERENCE <sup>3, 4</sup>	COMPOSITION		HYDROLOGIC CONNECTIVITY
			GENERAL DESCRIPTION OF WETLAND COMMUNITY	OWES FORMS <sup>5</sup>	
B144n Organic Meadow Marsh	Unknown/Cultural	---	This meadow marsh community contains rare Eastern White Cedar and White Birch. There are occasional occurrences of Speckled Alder, Sweet Gale and Red Raspberry. The ground layer is dominated by Reed Canary Grass with Woolgrass, Broad-leaved Cattail, Fox Sedge ( <i>Carex vulpinoidea</i> ), Panicked Aster, Beaked Sedge, Starflower, Spotted Touch-me-not and Swamp Red Currant also present among others.  The effective soil texture of the polygon consisted of a folic humic organic soil with a deep overall depth and a wet moisture regime.	Re – <i>Typha latifolia</i> *Ne – <i>Phalaris arundinacea</i> , <i>Scirpus cyperinus</i> , <i>Carex vulpinoidea</i> Gc – <i>Trientalis borealis</i> , <i>Impatiens capensis</i>	Watercourse crossing 241b.
B148n Mineral Shallow Marsh	Unknown/Cultural	---	This shallow marsh community contains occasional Speckled Alder and Bebb's Willow. Ground layer vegetation is dominated by Broad-leaved Cattail, with Inflated Sedge, Tussock Sedge, Northern Blue-Flag ( <i>Iris versicolor</i> ), Square Stemmed Monkey Flower ( <i>Mimulus ringens</i> ), Starflower, Bullhead Pond Lily, Hard Stem Bulrush ( <i>Schoenoplectus acutus</i> var. <i>acutus</i> ) and Mare's Tail ( <i>Hippuris vulgaris</i> ) also occurring among others.  The effective soil texture of the polygon consisted of a moderately deep coarse sand with a saturated moisture regime. Samples were taken under water that was 30cm in depth.	Ts – <i>Alnus incana</i> ssp. <i>rugosa</i> , <i>Salix bebbii</i> *Re – <i>Typha latifolia</i> Ne – Gc – <i>Iris versicolor</i> F – <i>Nuphar variegata</i>	Watercourse crossing 246b.
B142n Mineral Meadow Marsh	ES37 Rich Swamp: Cedar (Other Conifer): Organic Soil	B129, B224, (B128, B223)	This meadow marsh community contains occasional Bebb's Willow in the shrub layer and lacked any canopy or sub-canopy. The ground layer vegetation is dominated by Reed Canary Grass, with Woolgrass, Lakebank Sedge, Tussock Sedge, Broad-leaved Cattail, Beaked Sedge and Fireweed ( <i>Chamerion angustifolium</i> ) also present.  The effective soil texture of the polygon consisted of a mineral soils mixed with organic material with a deep overall depth and a saturated moisture regime.	Ts – <i>Salix bebbii</i> Re – <i>Typha latifolia</i> *Ne – <i>Phalaris arundinacea</i> , <i>Carex stricta</i> , <i>Carex lacustris</i> , <i>Carex utriculata</i>	Watercourse crossing 236b.
B224Tt Mineral Rich Conifer Swamp	Unknown/Cultural	---	This tall treed swamp community is dominated by Eastern White Cedar with Tamarack and Black Spruce also occurring. Speckled Alder occurs in the shrub layer. Species found in the ground layer include Dwarf Raspberry, Wood Anemone ( <i>Anemone quinquefolia</i> ), Marsh Goldenrod, Hairy Honeysuckle ( <i>Lonicera hirsuta</i> ), Marsh Horsetail and Labrador Tea among others.  The effective soil texture of the polygon consisted of a deep very fine sand with a saturated moisture regime.	*C – <i>Thuja occidentalis</i> , <i>Larix laricina</i> , <i>Picea mariana</i> Ts – <i>Alnus incana</i> ssp. <i>rugosa</i> Ls – <i>Lonicera hirsute</i> , <i>Ledum groenlandicum</i> Gc – <i>Anemone quinquefolia</i> , <i>Rubus pubescens</i> Ne - <i>Equisetum palustre</i>	Watercourse crossing 247b.
B135s Organic Thicket Swamp	ES36 Intermediate Swamp: Black Spruce (Tamarack): Organic Soil	B128, B223, B129, B224, (B127, B222)	This tall treed swamp community contained occasional occurrences of Tamarack, White Birch and Eastern White Cedar in the canopy. Speckled Alder was the dominant form of vegetation over the entire community with additional shrub species consisting of Red-osier Dogwood, Woolly-headed Willow, Plane-leaved Willow, Bebb's Willow and Showy Mountain-ash. Groundcover was dominated by Tussock Sedge, Reed Canary Grass, and Canada Bluegrass.  The effective soil texture of the polygon consisted of a folic humic organic soil with a deep overall depth and a saturated moisture regime.	C - <i>Thuja occidentalis</i> , <i>Larix laricina</i> , H - <i>Betula papyifera</i> Ts* - <i>Alnus Incana</i> , <i>Cornus sericea</i> Ne – <i>Carex stricta</i> , <i>Calamagrostis canadensis</i>	Unnamed watercourse (possibly ephemeral) which drains into a marsh to the west of the survey location.
B144n Organic Meadow Marsh	ES16 Hardwood-Fir-Spruce Mixedwood: Sandy Soil	B040 (B041, B042, B043)	This meadow marsh community contains sparse Jack Pine trees along the riparian margins. Shrubs present include Speckled Alder, Sweet Gale and Bebb's Willow. Ground layer vegetation is dominated by Tussock Sedge, with Beaked Sedge, Labrador Tea, Small Cranberry, Reed Canary Grass, Leatherleaf, Water Horsetail and Yellow Sedge also present.  The effective soil texture of the polygon consisted of a folic humic organic soil with a deep overall depth and a wet moisture regime.	Ts – <i>Alnus incana</i> ssp. <i>rugosa</i> , <i>Salix bebbii</i> Ls – <i>Myrica gale</i> , <i>Ledum groenlandicum</i> , <i>Chamaedaphne calyculata</i> *Ne – <i>Carex stricta</i> , <i>Carex flava</i> , <i>Carex utriculata</i> , <i>Equisetum fluviatile</i>	Adjacent to a waterbody

PROVINCIAL ECOSITE CODES <sup>1</sup>	ECOSITE CODES BACKGROUND REVIEW <sup>2</sup>	ECOSITE CODE CONVERSION REFERENCE <sup>3, 4</sup>	COMPOSITION		HYDROLOGIC CONNECTIVITY
			GENERAL DESCRIPTION OF WETLAND COMMUNITY	OWES FORMS <sup>5</sup>	
B146s Open Shore Fen	Unknown/Cultural	---	<p>This shore fen community contains sparse Jack Pine, Tamarack and American Mountain-ash trees. Shrubs present include Red-Osier Dogwood and Sweet Gale. The ground layer included Woolly-fruited sedge (<i>Carex lasiocarpa</i>), Small Cranberry, Marsh Goldenrod, Common Bladderwort (<i>Utricularia vulgaris</i> ssp. <i>macrorhiza</i>), Marsh Cinquefoil (<i>Comarum palustre</i>), Tussock Sedge and Common Bogbean (<i>Menyanthes trifoliata</i>) among others.</p> <p>The effective soil texture of the polygon consisted of an organic soil composed of peat (Of) with a deep overall depth and a wet moisture regime.</p>	<p>Ts – <i>Cornus sericea</i> ssp. <i>sericea</i>                      Ls* – <i>Myrica gale</i>                      Gc – <i>Solidago uliginosa</i>, <i>Menyanthes trifoliata</i>                      Ne – <i>Carex lasiocarpa</i>                      Su - <i>Utricularia vulgaris</i> ssp. <i>macrorhiza</i>,</p>	Adjacent to unnamed lake.
B142n Mineral Meadow Marsh	Unknown/Cultural	---	<p>This meadow march community was dominated by several species of graminoid vegetation. Sparse shrub cover was present in this community and included Speckled Alder and Highbush Cranberry. Species found in the ground layer include Beaked Sedge (<i>Carex utriculata</i>), Marsh Cinquefoil, Tussock Sedge, Wild Mint (<i>Mentha arvensis</i> ssp. <i>borealis</i>), Sweet Gale and Flat-topped White Aster.</p> <p>The effective soil texture of the polygon consisted of a mineral soil with a deep overall depth and a wet moisture regime.</p>	<p>*Ne – <i>Carex stricta</i>, <i>Carex utriculata</i>,</p>	Watercourse crossing 662s.
B148n Mineral Shallow Marsh	Unknown/Cultural	---	<p>This shallow marsh community has sparse Black Spruce and Jack Pine mainly around the riparian margins. Sweet Gale, Speckled Alder, Bebb's Willow and Ninebark are present in the shrub layer. Ground level vegetation is dominated by Inflated Sedge (<i>Carex vesicaria</i>), with other species present including Broad-leaved Cattail, Northern Manna Grass (<i>Glyceria borealis</i>), Marsh Cinquefoil, and Floating-leaf Pondweed among others.</p> <p>The effective soil texture of the polygon consisted of a coarse sand with a deep overall depth and a wet moisture regime.</p>	<p>Ts – <i>Alnus incana</i> ssp. <i>rugosa</i>, <i>Salix bebbii</i>                      Ls – <i>Myrica gale</i>,                      *Ne – <i>Carex vesicaria</i>, <i>Glyceria borealis</i>                      Re – <i>Typha latifolia</i>                      F – <i>Potamogeton natans</i></p>	Watercourse crossings 254b and 255b; tributaries of North Crocker's Lake.
B148n Mineral Shallow Marsh	Unknown/Cultural	---	<p>This shallow marsh community contains occasional Speckled Alder, Red Raspberry, Sweet Gale and White Spruce in the shrub layer. Ground layer vegetation is dominated by Tussock Sedge, with Tufted Loosestrife (<i>Lysimachia thysiflora</i>), Marsh Cinquefoil, Labrador Tea, Leatherleaf, Bullhead Pond Lily (<i>Nuphar variegata</i>), Broad-leaved Cattail and Water Horsetail occurring among others.</p> <p>The effective soil texture of the polygon consisted of a coarse sand with a deep overall depth and a wet moisture regime. Water was up to 1m meter in depth</p>	<p>Ts – <i>Alnus incana</i> ssp. <i>rugosa</i>                      Ls – <i>Myrica gale</i>,                      Re – <i>Typha latifolia</i>                      Ne* – <i>Carex stricta</i>, <i>Equisetum fluviatile</i>                      Gc – <i>Lysimachia thysiflora</i>                      F – <i>Nuphar variegata</i></p>	Watercourse crossings 254b and 252b; tributaries of North Crocker's Lake.
B135s Organic Thicket Swamp	ES36 Intermediate Swamp: Black Spruce (Tamarack): Organic Soil	B128, B223, B129, B224, (B127, B222)	<p>This thicket swamp community contains sparse Black Spruce and Tamarack. Shining Willow and Sweet Gale are dominant in the shrub layer with Speckled Alder, Red-osier Dogwood, Sage-leaved Willow (<i>Salix candida</i>) and Autumn Willow (<i>Salix serissima</i>) also present. Species occurring in the ground layer include Shrubby Cinquefoil, Beaked Sedge, Tussock Sedge, Reed Grass, Purple-stemmed Aster, Twinflower (<i>Linnaea borealis</i> var. <i>borealis</i>), and Northern Manna Grass among others.</p> <p>The effective soil texture of the polygon consisted of a deep folic humic organic soil with a wet moisture regime.</p>	<p>*Ts – <i>Salix lucida</i>, <i>Alnus incana</i> ssp. <i>rugosa</i>,  <i>Salix serissima</i>                      Ls – <i>Dasiphora fruticosa</i>                      Ne – <i>Calamagrostis</i> sp., <i>Glyceria borealis</i>                      Gc – <i>Symphyotrichum puniceum</i> var. <i>puniceum</i>,</p>	Watercourse crossing 297c; part of the White Tertiary Watershed.
B134s Mineral Thicket Swamp	Unknown/Cultural	---	<p>This thicket swamp community was dominated by Speckled Alder and Red-osier Dogwood. Black Spruce and Tamarack also had occasional occurrences within the sparse canopy. Groundcover was primarily composed of Yellow Sedge, Tussock Sedge, Sweet Gale, Fowl Manna Grass, Canada Blue-joint Grass, Narrow-leaved Meadowsweet and Common Arrowhead (<i>Sagittaria latifolia</i>).</p> <p>The effective soil texture of the polygon consisted of a deep silty fine sand with a saturated moisture regime.</p>	<p>Ts* - <i>Alnus incana</i>, <i>Cornus sericea</i>                      Ls - <i>Myrica gale</i>, <i>Spirea alba</i>                      Gc - <i>Calamagrostis Canadensis</i>,                      Ne - <i>Carex stricta</i>, <i>Carex Flava</i>                      Be - <i>Sagittaria latifolia</i></p>	Watercourse crossing 613j.

PROVINCIAL ECOSITE CODES <sup>1</sup>	ECOSITE CODES BACKGROUND REVIEW <sup>2</sup>	ECOSITE CODE CONVERSION REFERENCE <sup>3, 4</sup>	COMPOSITION		HYDROLOGIC CONNECTIVITY
			GENERAL DESCRIPTION OF WETLAND COMMUNITY	OWES FORMS <sup>5</sup>	
B142n Mineral Meadow Marsh	Unknown/Cultural	---	This meadow marsh community was dominated by Tussock Sedge with additional species consisting of Panicked Aster, Beaked Sedge, Yellow Sedge, Canada Blue-joint, Rattlesnake Manna Grass, Purple Meadow-rue and Spotted Joe-pye-weed. Several shrub species were also present and included Speckled Alder, Sweet Gale, Bebb's Willow, Plane-leaved Willow, Alder-leaved Buckthorn and Red-osier Dogwood.  The effective soil texture of the polygon consisted of a silty fine sand with a moderate (>30 to ≤60) depth and a wet moisture regime.	Ts - <i>Alnus incana</i> Ls - <i>Myrica gale</i> Ne* - <i>Carex stricta</i> , <i>Carex ultriculata</i> , <i>Carex Flava</i> , <i>Calamagrostis Canadensis</i> , <i>Glyceria canadensis</i> Gc - <i>Thalictrum dasycarpum</i> , <i>Eutrochium maculatum</i> , <i>Symphotrichum lanceolatum</i>	Watercourse crossing 613j.
B148n Mineral Shallow Marsh	ES12 Black Spruce-Jack Pine: Very Shallow Soil	B012, B013, B014, B016, B024, B025, B026, (B017, B018, B019, B028)	This shallow marsh community was dominated by robust emergent and graminoid vegetation. The dominant species overall were Broad-leaved Cattail, Canada Blue-joint and Tussock Sedge. Additional species included Panicked Aster, flat-stem Pondweed, Water Horsetail, Water Sedge, Bullhead Pond-lily, Wool Grass and Marsh Bellflower.  The effective soil texture of the polygon consisted of a fine sand with a moderate depth and a wet moisture regime.	Re* - <i>Typha latifolia</i> Ne - <i>Calamagrostis Canadensis</i> , <i>Carex stricta</i> , <i>Carex aquatilis</i> Gc - <i>Campanula aparinoides</i> , F - <i>Nuphar variegata</i> Su - <i>Potamogeton zosteriformis</i>	Associated with a nearby unnamed water body.
B135s Organic Thicket Swamp	Unknown/Cultural	---	This thicket swamp community was dominated by Speckled Alder with other shrub species consisting of Bebb's Willow, Red-osier Dogwood and Autumn Willow. Scattered occurrences of Tamarack were also present within the canopy and sub-canopy. Groundcover was primarily composed of Shrubby Cinquefoil, Tussock Sedge, Marsh Goldenrod and Rattlesnake Manna Grass.  The effective soil texture of the polygon consisted of a folic humic organic soil with a deep overall depth and a wet moisture regime.	C - <i>Larix laricina</i> Ts* - <i>Alnus incana</i> , <i>Salix Bebbiana</i> , <i>Cornus sericea</i> , <i>Salix serissima</i> Ls - <i>Potentilla fruticosa</i> ssp. <i>floribunda</i> Ne - <i>Carex stricta</i> , <i>Solidago uliginosa</i> , <i>Glyceria canadensis</i>	Associated with a nearby unnamed water body.
B128Tt Organic Intermediate Conifer Swamp	ES21 Fir-Spruce Mixedwood: Fresh, Coarse Loamy Soil	B052, B050, (B053)	This tall treed swamp community canopy and sub-canopy species consisted of Black Spruce and Tamarack with Speckled alder also present in abundance within the understory. Ground cover consisted primarily of - Creeping Snowberry, Canada Blue-joint, Labrador Tea, and Dwarf Raspberry.  The effective soil texture of the polygon consisted of a deep organic soil composed of peat (Om) with a saturated moisture regime.	C* – <i>Picea mariana</i> , <i>Larix laricina</i> Ls- <i>Ledum groenlandicum</i> Ne - <i>Calamagrostis canadensis</i> Gc - <i>Gaultheria hispidula</i> , <i>Rubus pubescens</i>	Watercourse crossing 672pa.
B129Tt Organic Rich Conifer Swamp	ES36 Intermediate Swamp: Black Spruce (Tamarack): Organic Soil	B128, B223, B129, B224, (B127, B222)	This tall treed swamp community canopy and sub-canopy species consisted of Black Spruce and Tamarack. Low shrub species comprised of Labrador Tea and Leatherleaf dominated the ground layer over the entire community. Additional abundant ground layer species consisted of Bog Laurel, Water Avens and Alder-leaved Buckthorn.  The effective soil texture of the polygon consisted of a deep organic soils composed of peat (Om) with a saturated moisture regime.	C* – <i>Picea mariana</i> Ls - <i>Ledum groenlandicum</i> , <i>Kalmia polifolia</i> Gc - <i>Geum rivale</i>	Watercourse crossing 675pa.
B148n Mineral Shallow Marsh	Unknown/cultural	---	This shallow marsh community was dominated by graminoid vegetation and contained no canopy, sub-canopy or understory being present. Dark-scaled Sedge, Water Sedge and Sweet Gale were the most abundant species present. Additional species consisted of Narrow-leaved Meadowsweet, Panicked Aster, Three-way Sedge and Marsh Cinquefoil.  The effective soil texture of the polygon consisted of a shallow coarse sand with a saturated moisture regime. Soil samples were taken under water 20 cm to 50 cm in depth. Open water areas were also present in the center of the polygon where water depth increased.	Ls - <i>Myrica gale</i> , <i>Spiraea alba</i> Ne* - <i>Carex buxbaumii</i> , <i>Carex aquatilis</i> , <i>Dulichium arundinaceum</i> Gc - <i>Symphotrichum lanceolatum</i> , <i>Potentilla palustris</i>	Watercourse crossing 676pa.
B135s Organic Thicket Swamp	Unknown/Cultural	---	This thicket swamp community was dominated by Speckled Alder with additional tree and shrub species observed included Plane-leaved Willow, White Birch, Tamarack and Black Spruce. Groundcover vegetation consisted of sphagnum moss species, Red Raspberry, Labrador Tea and Creeping Snowberry.  The effective soil texture of the polygon consisted of a deep organic soil composed of peat (Om) with a saturated moisture regime.	Ts* - <i>Alnus incana</i> Ls - <i>Rubus idaeus</i> , <i>Ledum groenlandicum</i> Gc - <i>Gaultheria hispidula</i> ,	Watercourse crossing 341J is adjacent to the western side of this community.

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			GENERAL DESCRIPTION OF WETLAND COMMUNITY	OWES FORMS <sup>5</sup>	
B139n Poor Fen	ES21 Fir-Spruce Mixedwood: Fresh, Coarse Loamy Soil	B052, B050, (B053)	This fen community is dominated by sphagnum moss species. Woody vegetation consisted of Leather Leaf, Bog Rosemary and stunted Black Spruce. Groundcover was primarily composed of Small Cranberry, Three-leaved Solomon's Seal and Bristly Clubmoss.  The effective soil texture of the polygon consisted of a deep organic soil composed of peat (Om) with a saturated moisture regime.	C - Picea Mariana Ls - Ledum groenlandicum, Chamaedaphne calyculata, Gc - Vaccinium oxycoccos, Maianthemum trifolium, M* - Sphagnum sp	---
B140s Open Moderately Rich Fen	Unknown/Cultural	---	This fen community was dominated by low shrubs consisting of Leather Leaf, Bog Rosemary and Labrador Tea. Stunted Black Spruce and Tamarack were also present as occasional occurrences. Small Cranberry, Three-leaved Solomon's Seal, Low-sweet Blueberry were present in the ground layer.  The effective soil texture of the polygon consisted of a deep organic soil composed of peat (Om) with a saturated moisture regime.	C - Picea Mariana Ls* - Ledum groenlandicum, Chamaedaphne calyculata, Andromeda polifolia Gc - Vaccinium oxycoccos, Maianthemum trifolium	---
B142n Mineral Meadow Marsh	Unknown/Cultural	---	This meadow marsh community consisted primarily of Sweet Gale with Narrow-leaved Meadowsweet, Northern Wild Rice (Zizania palustris), Fowl Blue Grass (Poa palustris,), Wool Grass, Inflated Sedge, Canada Blue-joint and Giant Bur-reed (Sparganium eurycarpum) associates.  The effective soil texture of the polygon consisted of a sandy clay with a moderate depth and a wet moisture regime.  This community was a beaver pond in the past. However, the dam has been compromised which caused a significant drop in water level. This community is in the early stages of revegetation.	Ls* - Myrica gale, Spirea alba Ne - Zizania palustris, Poa palustris, Scirpus cyperinus, Carex vesicaria, Calamagrostis Canadensis Be - Sparganium eurycarpum	Watercourse crossing 653s; tributary to Black Trout Lake.
B224Tt Mineral Rich Conifer Swamp	Unknown/Cultural	---	This tall treed swamp community contains Black Spruce Balsam Fir and Eastern White Cedar. Speckled Alder dominates the shrub layer with Red-osier Dogwood also abundant. Ground layer vegetation is dominated by Fowl Manna Grass, with Bristly-stalk Sedge (Carex leptalea) Canada Blue-joint, Marsh Marigold, Purple-stemmed Aster, Swamp Red Currant and Fragrant Bedstraw also present among others.  The effective soil texture of the polygon consisted of a deep silty loam with a moderate depth and a wet moisture regime.	*C – Picea mariana, Abies balsamea, Thuja occidentalis Ts – Alnus incana ssp. rugosa, Cornus sericea Ne – Calamagrostis canadensis, Glyceria striata Carex leptalea Gc –, Caltha palustris,	Watercourse crossing 657s.
B150n Open Water Marsh: Floating-leaved	Unknown/Cultural	---	This open water marsh community was primarily composed of Small White Water-lily (Nymphaea odorata), Water Sedge, Bulhead Pond-lily, Water Horsetail, Three-way Sedge and Smooth saw-sedge (Cladium mariscoides).  The effective soil texture of the polygon consisted of mineral soil comprised of medium sand. Soil samples were taken under water under 30 cm to 60 cm of water on average.	Ne -Schoenoplectus acutus, Cladium mariscoides, Equisetum fluviatile, Dulichium arundinaceum F* Nymphaea odorata, Nuphar variegata	Shallow Bay that is part of Black Trout Lake
B224Tt Mineral Rich Conifer Swamp	ES12 Black Spruce-Jack Pine: Very Shallow Soil	B012, B013, B014, B016, B024, B025, B026, (B017, B018, B019,B028)	This tall treed swamp community contains abundant Black Spruce, with occasional Eastern White Cedar and Tamarack. Shrub species present include Speckled Alder, Pussy Willow, Balsam Willow, Swamp Fly Honeysuckle and Red-osier Dogwood. Ground layer vegetation includes Fowl Manna Grass, Canada Blue-joint, Dwarf Raspberry, Awl-Fruited Sedge (Carex stipata), Marsh Goldenrod, Purple-stemmed Aster, Three-leaved False Solomon's Seal, Water Horsetail and Bunchberry among others.  The effective soil texture of the polygon consisted of a deep silty loam with a wet moisture regime.	*C – Picea mariana, Thuja occidentalis Ts – Alnus incana ssp. rugosa Ne – Glyceria striata, Carex stipata Gc – Maianthemum Trifolium, Rubus pubescens	---
B142n Mineral Meadow Marsh	ES21 Fir-Spruce Mixedwood: Fresh, Coarse Loamy Soil	B052, B050, (B053)	This meadow marsh community contains sparse Black Spruce and Tamarack. Shrubs present include occasional Sweet Gale and Speckled Alder. Ground layer vegetation is dominated by Tussock Sedge, with Marsh Cinquefoil, Northern Blue Flag, Beaked Sedge, Common Bladderwort and Woolgrass also present.  The effective soil texture of the polygon consisted of a deep medium sand with a wet moisture regime.	*Ne – Carex stricta, Scirpus cyperinus Gc – Comarum palustre, Iris versicolor Su - Utricularia vulgaris ssp. macrorhiza,	Watercourse crossing 660s.



<sup>1</sup> – Forest Resource Inventory (FRI) polygons were updated with the Ecosites of Ontario, Operational Draft (MNR, 2009) ecosite nomenclature based on field results. Vegetation cover codes modifiers are as follows: Tt – tall treed (>10m in height), Tl – low treed (<10m in height), S – tall or low shrub species, N – Not woody (any herbaceous or non-vascular vegetation) and X – Not vegetated.

<sup>2</sup> – Ecosite codes based on FRI attributes. Ecosite codes correspond to either the Terrestrial and Wetland Ecosites of Northwestern Ontario (Racey et al., 1996) or the Ecosite of Ontario, Operational Draft (MNR, 2009).

<sup>3</sup> – Northwestern ecosite conversion reference illustrating the association of provincial ecosites to northwestern ecosites.

<sup>4</sup> – Coding Structure: Ecosite is a best fit = B#; Ecosite is a good fit = B#; Ecosite is a poor fit = (B#).

<sup>5</sup> – \*Bold denotes dominant form; H – Deciduous Trees, C – Coniferous Trees, Ts – Tall Shrub, Ls – Low Shrub, Re – Robust Emergent, Ne – Narrow Leaved Emergent, Gc – Ground Cover, F - Floating Plants, Su – Submergent Plants, M - Moss