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Table 1: Description of Upland Plant Communities Identified in the Terrestrial Baseline Study Area

| Plant Community | Description ^(a) |
|-----------------|--|
| NORTHEAST | |
| NE1 | Black Spruce - Jack Pine - Very Shallow Soil - Species Poor/White Spruce - White Birch - Very Shallow Soil - Species Rich Black Spruce (<i>Picea mariana</i>), White Spruce (<i>Picea glauca</i>), Jack Pine (<i>Pinus banksiana</i>), White Birch (<i>Betula papyrifera</i>), and Balsam Fir (<i>Abies balsamea</i>) stands on very shallow soils. The shrub layer is dominated by Black Spruce, White Spruce, and Balsam Fir. The ground layer includes Early Low Blueberry (<i>Vaccinium angustifolium</i>), Bunchberry (<i>Cornus canadensis</i>), Canada Mayflower (<i>Maianthemum canadense</i>), Bluebead Lily (<i>Clintonia borealis</i>), Schreber's Moss (<i>Pleurozium schreberi</i>), and Reindeer Lichen (<i>Cladina rangiferina</i>). |
| NE2 | Jack Pine - Coarse Soil Jack Pine stands on deep, dry to fresh, sandy to coarse loamy soils. The shrub layer is dominated by Black Spruce, Jack Pine, Balsam Fir, and Serviceberries (<i>Amelanchier</i> spp). The ground layer includes Blueberry (<i>Vaccinium myrtilloides</i>), Canada Mayflower, Schreber's Moss, Reindeer Lichen, and Plume Moss (<i>Ptilium crista-castrensis</i>). |
| NE3 | White Birch - Trembling Aspen - Black Spruce - Coarse Soil Mixedwood stands dominated by White Birch, Trembling Aspen (<i>Populus tremuloides</i>), and Black Spruce on dry to moist sandy to coarse loamy soils. The shrub layer is dominated by Balsam Fir, Black Spruce, White Birch, Trembling Aspen, White Spruce, and Bush Honeysuckle (<i>Diervilla lonicera</i>). The ground layer includes Canada Mayflower, Bunchberry, Blueberry, Bluebead Lily, Wild Sarsaparilla (<i>Aralia nudicaulis</i>), Schreber's Moss, and Plume Moss. |
| NE4 | Black Spruce - Jack Pine - Coarse Soil Conifer stands dominated by Black Spruce and Jack Pine on dry to moist sandy to coarse loamy soils. The shrub layer is dominated by Black Spruce, Balsam Fir, and Bush Honeysuckle. The ground layer includes Blueberry, Bunchberry, Creeping Snowberry (Gaultheria hispidula), Canada Mayflower, Bluebead Lily, Goldthread (Coptis trifolia), Schreber's Moss, Dicranum Moss (Dicranum sp.), Reindeer Lichen, and Plume Moss. |
| NE5 | Black Spruce - Fine, Medium Soil Conifer stands dominated by Black Spruce on fresh to moist, medium loamy to clayey soils. The shrub layer is dominated by Black Spruce, Balsam Fir, Jack Pine, Bristly Wild Rose (Rosa acicularis), Labrador Tea (Ledum groenlandicum), and Mountain Ash (Sorbus decora). The ground layer includes Bunchberry, Twinflower (Linnaea borealis), Bluebead Lily, Canada Mayflower, Schreber's Moss, Plume Moss, Dicranum Moss, and Reindeer Lichen. |
| NE6 | Black Spruce - Trembling Aspen - Fine Soil/Black Spruce - Trembling Aspen - Balsam Fir - Medium Soil/Trembling Aspen - Black Spruce - Jack Pine - Coarse Soil Mixedwood stands dominated by Black Spruce, Trembling Aspen, Jack Pine, and Balsam Fir on fresh to moist, medium loamy to clayey soils. The shrub layer is dominated by Balsam Fir, Black Spruce, Trembling Aspen, Mountain Ash, Bush Honeysuckle, and Serviceberries. The ground layer includes Bunchberry, Twinflower, Blueberry, Canada Mayflower, Wild Sarsaparilla, Violets (Viola spp.), Large Leaf Aster (Aster macrophyllus), starflower (Trientalis borealis), Wood Anemone (Anemone quinquefolia), Rose Twisted-stalk (Streptopus roseus), Schreber's Moss, Plume Moss, Stair-step Moss (Hylocomium splendens), and Electrified Cat-tail Moss (Rhytidiadelphus triquetrus). |
| NE7 | Trembling Aspen - White Spruce - White Birch - Fine Soil/Trembling Aspen - White Birch - Medium Soil Hardwood mixedwood stands on fresh to moist, medium loamy to clayey soils. The shrub layer is dominated by Balsam Fir, Trembling Aspen, White Birch, Mountain Maple (<i>Acer spicatum</i>), Canada Fly Honeysuckle (<i>Lonicera canadensis</i>), Mountain Ash, Beaked Hazel (<i>Corylus cornuta</i>), and Bush Honeysuckle. The ground layer includes Dwarf Raspberry (<i>Rubus pubescens</i>), Bunchberry, Wild Sarsaparilla, Bluebead Lily, Violets, Canada Mayflower, Starflower, Fragrant Bedstraw (<i>Galium triflorum</i>), and Schreber's Moss. |
| NE8 | Black Spruce - Feathermoss - Sphagnum - Moist Soil Black Spruce stands on moist, sandy to clayey soils. The shrub layer is dominated by Black Spruce, Balsam Fir, Labrador Tea, and Sheep Laurel (<i>Kalmia angustifolia</i>). The ground layer includes Creeping Snowberry, Blueberry, Woodland Horsetail (<i>Equisetum sylvaticum</i>), Goldthread, Sedges (<i>Carex</i> spp.), Canada Mayflower, Three-leaved Smilacina (<i>Maianthemum trifolium</i>), Schreber's Moss, Peat Moss (<i>Sphagnum spp.</i>), Reindeer Lichen, and Plume Moss. |



Table 1: Description of Upland Plant Communities Identified in the Terrestrial Baseline Study Area

| Plant Community | Description ^(a) |
|--------------------|--|
| NORTHEAST (cont'd) | |
| NE9 | Black Spruce - Larch - Moist Soil - Species Poor/White Spruce - Balsam Fir - White Cedar - Species Rich Conifer stands dominated by Black Spruce, Tamarack (<i>Larix laricina</i>), Balsam Fir, and White Birch on moist, sandy to clayey soils. The shrub layer is dominated by Black Spruce, Balsam Fir, Speckled Alder (<i>Alnus incana</i>), Serviceberries, and Bristly Wild Rose. The ground layer includes Goldthread, Woodland Horsetail, Canada Mayflower, Bunchberry, Creeping Snowberry, Violets, Naked Miterwort (<i>Mitella nuda</i>), Sweet Coltsfoot (<i>Petasites frigidus</i> var. <i>palmatus</i>), Wood Anemone, Fragrant Bedstraw, Schreber's Moss, and Dicranum Moss. |
| NE10 | Trembling Aspen - Black Spruce - Balsam Poplar - Moist Soil Hardwood mixedwood stands dominated by Trembling Aspen, Black Spruce, and Balsam Poplar (Populus balsamifera). The shrub layer is dominated by Balsam Fir, Black Spruce, Trembling Aspen, Speckled Alder, Bristly Wild Rose, and Red Raspberry (Rubus idaeus). The ground layer includes Canada Mayflower, Violets, Naked Miterwort, Bunchberry, Dwarf Raspberry, Twinflower, Sedges, Goldthread, Schreber's Moss, Plume Moss, and Electrified Cat-tail Moss. |
| NE17 | Sugar Maple Sugar Maple (Acer saccharum) stands on dry to fresh, coarse loamy and silty soils. The shrub layer is dominated by Sugar Maple, Balsam Fir, White Spruce, Trembling Aspen, Mountain Maple, Beaked Hazel, and Bush Honeysuckle. The ground layer includes Large Leaf Aster, Bluebead Lily, Spinulose Shield Fern (Dryopteris carthusiana), Ground Pine (Lycopodium obscurum), Starflower, Wild Sarsaparilla, Brachythecium Moss (Brachythecium spp.), and Dicranum Moss. |
| NE18 | Jack Pine - White Pine - Red Pine Jack Pine, White Pine (<i>Pinus strobus</i>) and/or Red Pine (<i>Pinus resinosa</i>) stands on deep, dry to fresh, sandy to coarse loamy soils. The shrub layer is dominated by Black Spruce, Balsam Fir, White Pine, White Birch, Red Pine, Bush Honeysuckle, Willows (<i>Salix</i> spp.), and Serviceberries. The ground layer includes Blueberry, Bunchberry, Twinflower, Canada Mayflower, Bracken Fern (<i>Pteridium aquilinum</i>), Wild Sarsaparilla, Bluebead Lily, Schreber's Moss, Reindeer Lichen, Dicranum Moss and Naugehyde Liverwort (<i>Ptilidium pulcherrinum</i>). |
| NE20 | White Pine - Hardwood Mixedwood White Pine - hardwood mixedwood, stands on a variety of soils. The shrub layer is dominated by Balsam Fir, Trembling Aspen, White Spruce, White Cedar, White Birch, Mountain Maple, Beaked Hazel, Canana Honeydsuckle, Bush Honeysuckle, and Mountain Ash. The ground layer includes Dwarf Raspberry, Bunchberry, Twinflower, Canada Mayflower, Bluebead Lily, Wild Sarasaparilla, Large Leaf Aster, Starflower, Goldthread, Violets, Bracken Fern, Ground Pine, Schreber's Moss, Dicranum Moss, and Common Hair Cap Moss (Polytrichum commune). |
| NORTHWEST | |
| NW4 | Cliff Vertical rock faces; soil may accumulate in cracks and shelves. Ferns, mosses, lichens, liverworts, graminoids, and ferns may establish in crevices and on shelves. Usually dry, moisture mainly from precipitation. |
| NW5 | Talus or steep slope Composed of boulders or other coarse rocky material deposited on a slope at the foot of a cliff, among which soil may accumulate; wide array of geological and geochemical conditions. Vegetation sparse, mainly lichens and mosses but some shrubs, herbs and graminoids may be present. Shady and moist to exposed and dry. |
| NW7 | Rock Barren Bare or sparsely vegetated bedrock; patchy, very shallow soil. Lichens, mosses, liverworts, herbs and graminoids; scattered trees and shrubs. Very dry. |
| NW9 | Sand Barren Bare or sparsely vegetated sand complexes; not associated with Aeolian, alluvial or lacustrine activity. Graminoids, some herbs and low shrubs. Very dry. |
| NW12 | Black Spruce - Jack Pine: Very Shallow Soil Black Spruce, Jack Pine, and White Birch dominated stands on very shallow soils with bedrock outcrops. The shrub layer is dominated by Black Spruce and Balsam Fir. The ground layer includes Blueberry, Creeping Snowberry, Twinflower, Wild Sarsaparilla, Bunchberry, Starflower, Reindeer Lichen, Schreber's Moss, and Plume Moss. |
| NW13 | Jack Pine - Conifer: Dry - Moderately Fresh Sandy Soil (Moderate Soil) Jack Pine and Black Spruce stands on moderately fresh, coarse to fine sandy soils. The shrub layer is dominated by Bush Honeysuckle, Bristly Wild Rose, Beaked Hazel, and Serviceberries. The ground layer includes Blueberry, Twinflower, Bear Berry, Canada Mayflower, Bunchberry, Wild Sarsaparilla, Cow Wheat (Melampyrum lineare), Bluebead Lily, Schreber's Moss, Dicranum Moss, and Reindeer Lichen. |



Table 1: Description of Upland Plant Communities Identified in the Terrestrial Baseline Study Area

| Plant Community | Description ^(a) |
|--------------------|--|
| NORTHWEST (cont'd) | |
| NW14 | Pine-Spruce Mixedwood: Sandy Soil (Moderate, Deep Soil) Jack Pine, Black Spruce, White Birch and Trembling Aspen stands on moderately dry to moderately fresh, coarse to fine sandy soils. The shrub layer is dominated by Mountain Maple, Beaked Hazel, Bush Honeysuckle, Green Alder (Alnus viridis), and Balsam Fir. The ground layer includes Dwarf Raspberry, Blueberry, Large Leaf Aster, Rose Twisted Stalk, Wild Sarsaparilla, Bluebead Lily, Canada Mayflower, Schreber's Moss, Plume Moss, Stair-step Moss, and Broom Moss (Dicranum polysetum). |
| NW15 | Red Pine - White Pine: Sandy Soil Conifer or mixedwood stands with Red and White Pine and White Birch, Balsam Fir and Black Spruce on dry to moderately fresh, coarse to fine sandy soils. The shrub layer is dominated by Mountain Maple, Beaked Hazel, Bush Honeysuckle, Canada Fly Honeysuckle, Balsam Fir, White Birch, and Common Juniper (<i>Juniperus communis</i>). The ground layer includes Prince's Pine (<i>Chimaphila umbellata</i>), Twinflower, Blueberry, Large Leaf Aster, Rose Twisted-stalk, Starflower, Canada Mayflower, Schreber's Moss, Plume Moss, and Stair-step Moss. |
| NW16 | Hardwood - Fir - Spruce Mixedwood: Sandy Soil (Moderate, Deep Soil) Trembling Aspen, White Birch, and Balsam Fir stands on dry to moderately fresh, coarse to fine sandy soils. The shrub layer is dominated by Mountain Maple, Beaked Hazel, Bush Honeysuckle, Canada Fly Honeysuckle, and Mountain Ash. The ground layer includes Twinflower, Large Leaf Aster, Naked Miterwort, Rose Twistedstalk, Kidney-leaved Violet (Viola renifolia), Starflower, Red Baneberry (Actea rubra), Bluebead Lily, Schreber's Moss, Plume Moss, Stair-step Moss, and Electrified Cat-tail Moss. |
| NW17 | White Cedar: Fresh - Moist, Coarse - Fine Loamy Soil (Moderate, Deep Soil) White Cedar (<i>Thuja occidentalis</i>), Balsam Fir, White Birch, White Spruce and Trembling Aspen stands on a wide variety of soil conditions. The shrub layer is dominated by Balsam Fir, Mountain Maple, White Cedar, Mountain Maple, Canada Fly Honeysuckle, and Red Currant (<i>Ribes triste</i>). The ground layer includes Starflower, Kidney-leaved Violet, Naked Miterwort, Bluebead Lily, Bunchberry, Schreber's Moss, Stair-step Moss, and Plume Moss. |
| NW18 | Red Pine - White Pine: Coarse Loamy Soil Red Pine, White Pine, White Birch, Trembling Aspen, and Balsam Fir stands on fresh, coarse loamy soils. The shrub layer is dominated by Mountain Maple, Beaked Hazel, Bush Honeysuckle, Balsam Fir, and White Birch. The ground layer includes Twinflower, Prince's Pine, Large Leaf Aster, Wild Sarsaparilla, Rose Twisted Stalk, Canada Mayflower, Schreber's Moss, Stair-step Moss, and Broom Moss (<i>Dicranum polysetum</i>). |
| NW19 | Hardwood - Fir - Spruce Mixedwood: Fresh, Sandy - Coarse Loamy Soil (Shallow, Moderate, Deep Soil) Trembling Aspen, White Birch, and Balsam Fir stands on fresh, coarse loamy to fine sandy soils. The shrub layer is dominated by Mountain Maple, Beaked Hazel, Bush Honeysuckle, Balsam Fir, and Mountain Ash. The ground layer includes Twinflower, Large Leaf Aster, Naked Miterwort, Rose Twisted Stalk, Fragrant Bedstraw, Starflower, Canada Mayflower, Schreber's Moss, Plume Moss, and Stair-step Moss. |
| NW20 | Spruce - Pine / Feathermoss: Fresh, Sandy - Coarse Loamy Soil (Shallow, Moderate, Deep Soil) Black Spruce and Jack Pine dominant stands on dry to fresh, fine to coarse sandy or coarse loamy soils. The shrub layer is dominated by Black Spruce, Bush Honeysuckle, and Twinflower. The ground layer includes Bluebead Lily, Wild Sarsaparilla, and Starflower. |
| NW21 | Fir - Spruce Mixedwood: Fresh, Coarse Loamy Soil (Shallow, Moderate, Deep Soil) Balsam Fir, White Spruce, and Black Spruce stands on fresh, well-drained, coarse loamy soils. The shrub layer is dominated by Mountain Maple, Bush Honeysuckle, Canada Fly Honeysuckle, and Twinflower. The ground layer includes Large Leaf Aster, Wild Sarsaparilla, Fragrant Bedstraw, and Bluebead Lily. |
| NW22 | Spruce - Pine / Ledum / Freathermoss: Moist, Sandy - Coarse Loamy Soil (Moderate, Deep Soil) Black Spruce and Jack Pine dominant stands on moist, sandy to coarse loamy soils. The shrub layer is dominated by Labrador Tea, Black Spruce, Mountain Ash, and Bristly Wild Rose. The ground layer includes Schreber's Moss, Plume Moss, Wild Sarsaparilla, and Woodland Horsetail. |
| NW23 | Hardwood - Fir - Spruce - Mixedwood: Moist, Sandy - Coarse Loamy Soil (Moderate, Deep Soil) Trembling Aspen, White Birch, and Balsam Fir stands on moist, sandy to coarse loamy soils. The shrub layer is dominated by Mountain Maple, Beaked Hazel, and Dwarf Raspberry. The ground layer includes Schreber's Moss, Large Leaf Aster, Wild Sarsaparilla, and Rose Twisted-stalk. |
| NW26 | Spruce - Pine / Feathermoss: Fresh, Fine Loamy - Clayey Soil (Shallow, Moderate, Deep Soil) Black Spruce and Jack Pine stands on fresh, well to moderately well drained, fine loamy-clayey soils. The shrub layer is dominated by Black Spruce, Labrador Tea, Creeping Snowberry, and Velvetleaf Blueberry (Vaccinium myrtilloides). The ground layer includes Schreber's Moss, Bluebead Lily, and Goldthread. |



Table 1: Description of Upland Plant Communities Identified in the Terrestrial Baseline Study Area

| Plant Community | Description ^(a) | |
|--------------------|--|--|
| NORTHWEST (cont'd) | NORTHWEST (cont'd) | |
| NW27 | Fir - Spruce Mixedwood: Fresh, Silty - Fine Loamy Soil (Moderate, Deep Soil) Balsam Fir, Black Spruce, and White Spruce stands with mixtures of Trembling Aspen and White Birch on fresh, well to moderately well drained, silty to fine loamy soils. The shrub layer is dominated by Mountain Maple, Beaked Hazel, and Bush Honeysuckle. The ground layer includes Large Leaf Aster, Rose Twisted-stalk, and Wild Sarsaparilla. | |
| NW28 | Hardwood - Fir - Spruce Mixedwood: Fresh, Silty Soil (Moderate, Deep Soil) Trembling Aspen and White Birch stands on fresh, well to moderately well drained, silt or silt loam soils. The shrub layer is dominated by Mountain Maple, Beaked Hazel, Bush Honeysuckle, and Canada Fly Honeysuckle. The ground layer includes Large Leaf Aster, Naked Miterwort, Rose Twisted-stalk, and Wild Sarsaparilla | |
| NW29 | Hardwood - Fir - Spruce Mixedwood: Fresh, Fine Loamy - Clayey Soil (Moderate, Deep Soil) Trembling Aspen with some White Birch stands on fresh, well to moderately well drained, fine loamy-clayey soils. The shrub layer is dominated by Mountain Maple, Beaked Hazel, Red Osier Dogwood, and Mooseberry (Viburnum edule). The ground cover includes Large Leaf Aster, Wild Strawberry (Fragaria virginiana), Wild Sarsaparilla, and Rose Twisted-Stalk. | |
| NW30 | Black Ash Hardwood: Fresh, Silty - Clayey Soil (Deep Soil) Black Ash dominated stands on fresh to moist, silty to clayey soils. The shrub layer is dominated by Balsam Fir, Dwarf Raspberry, Serviceberry, and Choke Cherry (<i>Prunus virginiana</i>). The ground layer includes Wild Sarsaparilla, Woodland Horsetail, and Canada Mayflower. | |
| NW31 | Spruce - Pine / Feathermoss: Moist, Silty - Clayey Soil (Moderate, Deep Soil) Black Spruce and Jack Pine dominated stands on moist, silty to clayey soils. The shrub layer is dominated by Black Spruce, Green Alder, and Wild Raspberry. The ground layer includes Bluebead Lily, Wild Sarsaparilla, and Goldthread. | |
| NW32 | Fir - Spruce Mixedwood: Moist, Silty - Clayey Soil (Moderate, Deep Soil) Balsam Fir, White Spruce, Trembling Aspen, and Black Spruce stands on moist, silty to clayey soils. The shrub layer is dominated by Dwarf Raspberry, Twinflower, Bush Honeysuckle, and Mountain Maple. The ground layer includes Wild Sarsaparilla, Rose Twisted-stalk, Bluebead Lily, and Large Leaf Aster. | |
| NW33 | Hardwood - Fir - Spruce Mixedwood: Moist, Silty - Clayey Soil (Moderate, Deep Soil) Trembling Aspen, White Birch, Balsam Fir, and White Spruce stands on moist, imperfectly to poorly drained, silty to clayey soils. The shrub layer is dominated by Dwarf Raspberry, Mountain Ash, and Mountain Maple. The ground layer includes Wild Sarsaparilla, Bluebells (Mertensia paniculata), and Rose Twisted-stalk. | |

a) Plant community descriptions were adapted from Taylor et al. (2000), Racey et al. (1996), and MNRF (2014).

Table 2: Description of Wetland Plant Communities in the Terrestrial Baseline Study Area

| Plant Community | Description ^(a) | |
|-----------------|--|--|
| NORTHEAST | NORTHEAST | |
| NE11 | Black Spruce - Labrador Tea - Organic Soil Black Spruce stands on wet deep fibric organic soils. The shrub layer is dominated by Black Spruce, Labrador Tea, Leatherleaf (<i>Chamaedaphne calyculata</i>), Bog Laurel (<i>Kalmia polifolia</i>), and Sheep Laurel. The ground layer includes Creeping Snowberry, Small Cranberry (<i>vaccinum oxycoccus</i>), Blueberry, Bunchberry, Sedges, Three-leaved Smilacina, Goldthread, Schreber's Moss, Peat Moss, Northern Naugehyde Liverwort (<i>Ptilidium ciliare</i>), Plume Moss, False Pixie-cup (<i>Cladonia chlorophaea</i>), and Reindeer Lichen. | |
| NE12 | Black Spruce - Larch - Labrador Tea - Organic Soil Black Spruce and Tamarack stands on wet moderately deep fibric organic soils. The shrub layer is dominated by Black Spruce, Balsam Fir, Labrador Tea, and Speckled Alder. The ground layer includes Creeping Snowberry, Bunchberry, Twinflower, Blueberry, Dwarf Raspberry, Small Cranberry, Sedges, Goldthread, Three-leaved Smilacina, Naked Miterwort, Woodland Horsetail, Schreber's Moss, Peat Moss, Stair-step Moss, Plume Moss, Reindeer Lichen, False Pixie-cup Lichen, and Powder Horn Lichen (Cladonia coniocrea). | |



Table 2: Description of Wetland Plant Communities in the Terrestrial Baseline Study Area

| Plant Community | Description ^(a) |
|------------------------|---|
| NORTHEAST (cont'd) | |
| NE13 | Black Spruce - Larch - Speckled Alder - Organic Soil - Species Poor/White Cedar - Black Spruce - Organic Soil - Species Rich Conifer stands dominated by Black Spruce, Tamarack, and White Cedar on wet shallow fibric, humic or mesic organic soils. The shrub layer is dominated by Black Spruce, Balsam Fir, Labrador Tea, Speckled Alder, Bristly Black Current (<i>Ribes lacustre</i>), Red Osier Dogwood (<i>Cornus stolonifera</i>), and Mountain Ash. The ground layer includes Violets, Sedges, Bunchberry, Dwarf Raspberry, Twinflower, Creeping Snowberry, Goldthread, Oak Fern (<i>Gymnocarpium dryopteris</i>), Woodland Horsetail, Three-leaved Smilacina, Schreber's Moss, Electrified Cat-tail Moss, and Peat Moss. |
| NE14 | Black Spruce - Leatherleaf - Organic Soil Stunted Black Spruce stands on wet very deep fibric organic soils. The shrub layer is dominated by Black Spruce, Tamarack, Labrador Tea, Bog Rosemary (<i>Andromeda polifolia</i> ssp. <i>glaucophylla</i>), Leatherleaf, and Bog Laurel. The ground layer includes Blueberry, Small Cranberry, Creeping Snowberry, Sedges, Three-leaved Smilacina, Goldthread, Peat Moss, Reindeer Lichen, and Plume Moss. |
| Graminoid Marsh | Graminoid Marsh Closed graminoid and herb (rarely low-shrub) vegetation behind zones of coastal or shoreline emergent vegetation, and on wet floodplains, terraces of supertidal areas adjacent to open water systems; some of the more common dominant species include Canada Bluejoint, Common Cattail (<i>Typha latifolia</i>), Reed Canary Grass (<i>Phalaris arundinacea</i>), Water Sedge, Lakebank Sedge, Cypress-like Sedge (<i>Carex pseudocyperus</i>), Tussock Sedge (<i>Carex stricta</i>), Beggar's Ticks (<i>Bidens</i> spp.), Water Smartweed (<i>Polygonum amphibium</i>), Common Bladderwort, Purple Loosestrife (<i>Lythrum slacaria</i>), and Marsh Fern (<i>Thelypteris palustris</i>). Usually seasonally flooded, flooded in the recent past, i.e., due to beavers (<i>Castor canadensis</i>), or subject to storm or neap tide floods; graminoid cover is characteristic. |
| Shrub Thicket Swamp | Shrub Thicket Swamp Tree species are less than 25% cover and shrubs species over 2 m tall are more than 25% cover. Common species include Speckled Alder, Meadow Willow (Salix petiolaris), other Willows, Red Osier Dogwood, Gray Dogwood (Cornus rasemosa), Poison Sumac (Rhus vernix), Buttonbush (Cephalanthus occidentalis), and Winterberry (Illex vericillata). |
| NORTHWEST | |
| NW34 | Treed Bog: Black Spruce / Sphagnum: Organic Soil Black Spruce stands on organic soils that are usually deeper than 40 cm. The shrub layer is dominated by Black Spruce, Leatherleaf, Labrador Tea, and Small Cranberry. The ground layer includes Peat Moss, Sheathed Cotton-grass (<i>Eriophorum vaginatum</i>), and Few-flowered Sedge (<i>Carex pauciflora</i>). |
| NW35 | Poor Swamp: Black Spruce: Organic Soil Black Spruce stands on organic soils that are usually deeper than 40 cm. The shrub layer is dominated by Black Spruce, Creeping Snowberry, Labrador Tea, and Small Cranberry. The ground layer includes Schreber's Moss, Peat Moss, Three-leaved Smilacina, and Bunchberry. |
| NW36 | Intermediate Swamp: Black Spruce (Tamarack): Organic Soil Black Spruce dominated stands with Tamarack, Balsam Fir, or White Cedar on woody or Sphagnum peat soils. The shrub layer is dominated by Balsam Fir, Black Spruce, Creeping Snowberry, and Labrador Tea. The ground layer includes Bunchberry, Woodland Horsetail, Starflower, and Canada Mayflower. |
| NW37 | Rich Swamp: Cedar (Other Conifer): Organic Soil White Cedar stands on wet, organic or peaty phase soils. The shrub layer is dominated by Mountain Maple and Speckled Alder. The ground layer includes Starflower, Bunchberry, and Kidney-leaved Violet. |
| NW38 | Rich Swamp: Black Ash (Other Hardwood): Organic - Mineral Soil Black Ash (Fraxinus nigra) and White Elm (Ulmus americana) stands on well-decomposed woody peat or fine mineral soils. The shrub layer is dominated by Dwarf Raspberry, Mountain Maple, Red Osier Dogwood, and Red Currant. The ground layer includes Naked Miterwort, Lady Fern (Athyrium felix-femina), Marsh Marigold (Caltha palustris), and Enchanter's Nightshade (Circaea lutetiana canadensis). |
| NW39 | Open Bog: Ericaceous Shrub / Sedge / Sphagnum: Organic Soil Open peatland that may have scattered Black Spruce and Tamarack. Soil is fibric peat composed of Sphagnum. The shrub layer is dominated by Leatherleaf, Bog Laurel, and Small Bog Cranberry. The ground layer includes Sheathed Cotton-grass, Few-seeded Sedge (Carex oligosperma), Few-flowered Sedge, and Purple Pitcher Plant (Sarracenia purpurea). |



Table 2: Description of Wetland Plant Communities in the Terrestrial Baseline Study Area

| Plant Community | Description ^(a) |
|-------------------|--|
| NORTHWEST (cont'd | |
| NW40 | Treed Fen: Tamarack - Black Spruce / Sphagnum: Organic Soil Scattered Tamarack and Black Spruce on fibric to mesic peat composed of Sphagnum and sedges. The shrub layer is dominated by Bog Birch, Leatherleaf, Bog Rosemary, and Small Cranberry. The ground layer includes Three-leaved Smilacina, Bogbean (Menyanthes trifoliata), Purple Pitcher Plant, and Creeping Sedge (Carex chordorrhiza). |
| NW41 | Open Poor Fen: Ericaceous Shrub / Sedge / Sphagnum: Organic Soil Open peatland that may have scattered Black Spruce and Tamarack. Soil is fibric to mesic peat composed of Sphagnum. The shrub layer is dominated by Dwarf Birch (Betula pumila), Leatherleaf, Small Cranberry, and Bog Rosemary. The ground layer includes Purple Pitcher Plant, Few-seeded Sedge, Nutgrass (Scheuchzeria palustris), and Slender Sedge. |
| NW42 | Open Moderately Rich Fen: Ericaceous Shrub / Sedge: Organic Soil Open peatland that may have scattered Black Spruce and Tamarack. Soil is fibric to mesic peat composed of sedges. The shrub layer is dominated by Bog Birch, Leatherleaf, Small Cranberry, and Bog-rosemary. The ground layer includes Purple Pitcher Plant, Bog Bean, Round-leaved Sundew (<i>Drosera rotundifolia</i>), and Slender Sedge (<i>Carex lasiocarpa</i>). |
| NW44 | Thicket Swamp: Organic - Mineral Soil Tall shrub swamp dominated by Willow, Speckled Alder, and Red Osier Dogwood on well-decomposed peat or fine mineral soils. The ground layer includes Canada Bluejoint (Calamagrostis canadensis), Jewelweed (Impatiens capensis), and Marsh Bellflower (Campanula aparinoides). |
| NW45 | Shore Fen: Organic Soil Open wetlands along streams or lake embayments with low wave and current energy. The shrub layer is dominated by Leatherleaf, Sweet Gale (<i>Myrica gale</i>), Bog Willow (<i>Salix pedicellaris</i>), Dwarf Birch, and Speckled Alder. The ground layer includes Slender Sedge, Marsh Cinquefoil (<i>Potentilla palustris</i>), Canada Bluejoint, and Beaked Sedge (<i>Carex utriculata</i>). |
| NW46 | Meadow Marsh: Organic - Mineral Soil Graminoid dominated floodplains of small streams, lakes, and beaver meadows on well-decomposed peat or fine-textured mineral soil. The shrub layer is primarily comprised of Speckled Alder. The ground layer includes Canada Bluejoint, Beaked Sedge, Marsh Cinquefoil, Water Horsetail (Equisetum fluviatile), and Water Sedge (Carex aquatilis). |
| NW47 | Sheltered Marsh Herb dominated communities along sheltered bays, isolated basins, and streams with low wave and current energy. Substrate is usually rich sedimentary peat mixed with fine-textured mineral soil. Emergent plants includes Water Parsnip (Sium suave), Water Horsetail, Northern Wild Rice (Zizania palustris), and Common Spikerush (Eleocharis palustris). Submergent and floating plant species include Coontail (Ceratophyllum demersum), Various-leaved Pondweed (Potamogeton gramineus), Common Bladderwort (Utricularia vulgaris), and Common Duckweed (Lemna minor). |
| NW48 | Exposed Marsh: Emergent: Mineral Substrate Marshes with greater than 25% emergent plant cover, usually along wave-washed shores and rivers with high water energy. Substrate often sand. Emergent plants include Common Spikerush, Water Horsetail, Water Parsnip, and Hardstem Bulrush (Schoenoplectus acutus). Submergent plant species include Common Bladderwort and Various-leaved Pondweed. |

a) Plant community descriptions were adapted from Taylor et al. (2000), Racey et al. (1996), and MNRF (2014).

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