



STAR-ORION SOUTH DIAMOND PROJECT
ENVIRONMENTAL IMPACT ASSESSMENT

APPENDIX 5.3.2-D
Vegetation Type Descriptions

Vegetation Type Descriptions

Upland Vegetation Types	
Balsam Poplar - Spruce: Moist	Balsam poplar (<i>Populus balsamifera</i> ssp. <i>balsamifera</i>), veiny meadow-rue (<i>Thalictrum venulosum</i>), northern bedstraw (<i>Galium boreale</i>), common horsetail (<i>Equisetum arvense</i>), saskatoon (<i>Amelanchier alnifolia</i> var. <i>alnifolia</i>), palmate-leaved colt's foot (<i>Petasites frigidus</i> var. <i>palmatus</i>), white spruce (<i>Picea glauca</i>), prickly rose (<i>Rosa acicularis</i>), dwarf red raspberry (<i>Rubus pubescens</i> var. <i>pubescens</i>), Lindley's aster (<i>Symphotrichum ciliolatum</i>), common dandelion (<i>Taraxacum officinale</i> ssp. <i>officinale</i>), and American purple vetch (<i>Vicia americana</i> ssp. <i>americana</i>) commonly occur in this vegetation type.
Balsam Poplar - Trembling Aspen : Moist	Balsam poplar, common horsetail, smooth wild strawberry (<i>Fragaria virginiana</i> ssp. <i>glauca</i>), trembling aspen (<i>Populus tremuloides</i>), and prickly rose commonly occur in this vegetation type
Black Spruce: Moist	Black spruce (<i>Picea mariana</i>), palmate-leaved colt's foot, common horsetail, dwarf red raspberry, bunchberry (<i>Cornus canadensis</i>), two-leaved Solomon's seal (<i>Maianthemum canadense</i>), and twinflower (<i>Linnaea borealis</i>) commonly occur in this vegetation type.
Jack Pine - Trembling Aspen : Dry to Fresh	Trembling aspen, jack pine (<i>Pinus banksiana</i>), northern bedstraw, prickly rose, two-leaved Solomon's seal, and Saskatoon commonly occur in this vegetation type.
Jack Pine : Dry to Fresh	Jack pine, two-leaved Solomon's seal, northern bedstraw, blueberry (<i>Vaccinium myrtilloides</i>), sand violet (<i>Viola adunca</i> var. <i>adunca</i>), prickly rose, bearberry (<i>Arctostaphylos uva-ursi</i>) and saskatoon commonly occur in this vegetation type.
Trembling Aspen - Spruce : Fresh	Trembling aspen, white spruce, northern bedstraw, palmate-leaved colt's foot, two-leaved Solomon's seal, common horsetail, and bunchberry commonly occur in this vegetation type.
Trembling Aspen : Dry to Fresh	Trembling aspen, two-leaved Solomon's seal, prickly rose, Saskatoon, northern bedstraw, bunchberry and wild sarsaparilla (<i>Aralia nudicaulis</i>) commonly occur in this vegetation type.
Trembling Aspen : Moist	Trembling aspen, dwarf red raspberry, Lindley's aster, two-leaved Solomon's seal, prickly rose, northern bedstraw, and common horsetail commonly occur in this vegetation type.
White Spruce : Fresh	White spruce, trembling aspen, dwarf red raspberry, Lindley's aster, two-leaved Solomon's seal, bunchberry, northern bedstraw and big red-stem moss (<i>Pleurozium schreberi</i>) commonly occur in this vegetation type.
White Spruce : Moist	White spruce, common horsetail, dwarf red raspberry, two-leaved Solomon's seal, bunchberry, smooth wild strawberry, palmate-leaved colt's foot, twinflower and tall lungwort (<i>Mertensia paniculata</i>) commonly occur in this vegetation type.
Brushland	Silvery flowered sedge (<i>Carex aenea</i>), narrow-leaved meadowsweet (<i>Spiraea alba</i> var. <i>alba</i>), harebell (<i>Campanula rotundifolia</i>), sand violet and long-leaved starwort (<i>Stellaria longifolia</i>) commonly occur in this vegetation type. This vegetation type is mapped in complex with the grassland vegetation type described below.
Grassland	Saskatoon, northern bedstraw, and red windflower (<i>Anemone multifida</i>) commonly occur in this vegetation type. This vegetation type is mapped in complex with the brushland vegetation type described below.
Wetland Vegetation Types	
Marsh	Marsh marigold (<i>Caltha palustris</i>), water calla (<i>Calla palustris</i>), lesser duckweed (<i>Lemna minor</i>), water hemlock (<i>Cicuta maculata</i> var. <i>angustifolia</i>), marsh cinquefoil (<i>Comarum palustre</i>), and marsh grass of Parnassus (<i>Parnassia palustris</i> var. <i>tenuis</i>) are characteristic of this vegetation type.

Treed Bog	Black spruce, common Labrador tea (<i>Ledum groenlandicum</i>), bog cranberry (<i>Vaccinium vitis-idaea</i>), small cranberry (<i>Vaccinium oxycoccos</i>), bog rosemary (<i>Andromeda polifolia</i>), swamp birch (<i>Betula pumila</i>), sedges (<i>Carex spp</i>), three-leaf Solomon's seal (<i>Maianthemum trifolium</i>), round leaved sundew (<i>Drosera rotundifolia</i>), northern comandra (<i>Geocaulon lividum</i>) and blunt-leaved bog orchid (<i>Platanthera obtusata</i>) commonly occur in this vegetation type.
Treed Fen	Tamarack (<i>Larix laricina</i>), common Labrador tea (<i>Ledum groenlandicum</i>), northern green orchid (<i>Platanthera hyperborea var. hyperborea</i>), swamp horsetail (<i>Equisetum fluviatile</i>), swamp birch, three-leaf Solomon's seal, and black spruce commonly occur in this vegetation type. This vegetation type is mapped as part of a fen complex.
Shrubby Fen	Willows (<i>Salix spp</i>), tamarack, swamp horsetail, dwarf red raspberry, sedges, white birch (<i>Betula papyrifera</i>), bog buckbean (<i>Menyanthes trifoliata</i>), big red stem moss and seaside arrow grass (<i>Triglochin maritima</i>) commonly occur in this vegetation type. This vegetation type is mapped as part of a fen complex.
Open Fen	Wild mint (<i>Mentha arvensis</i>), Canada thistle (<i>Cirsium arvense</i>), sedges, common horsetail, common dandelion, small-fruited bulrush (<i>Scirpus microcarpus</i>), field sow thistle (<i>Sonchus arvensis spp. arvensis</i>), silverweed (<i>Argentina anserina</i>), and reed canary grass (<i>Phalaris arundinacea</i>) commonly occur in this vegetation type. This vegetation type is mapped as part of a fen complex.
Treed Swamp	Black spruce, common horsetail, bishop's cap (<i>Mitella nuda</i>), sedges, dwarf red raspberry, big red-stem moss, and twinflower commonly occur in this vegetation type.
Treed Swamp - Treed Fen	Black spruce, sedge, and big red-stem moss commonly occur in this transitional vegetation type. This vegetation type is not distinguished on the vegetation type map.
Shrubby Swamp	Willows, sweet-scented bedstraw (<i>Galium triflorum</i>), and wild mint commonly occur in this vegetation type.
Unclassified Wetland - Non-Forested	Common Labrador tea, jack pine, black spruce, sedge, lichen spp, swamp birch (<i>Betula nana</i>), small cranberry, and big red stem moss commonly occur in this vegetation type.
Developed Land Vegetation Types	
Agricultural Land	Land used for production of agricultural species.
Lakes, Rivers and Flooded Land	Waterbodies and watercourses
Unclassified	Unclassified area