

ECOSYSTEM UNITS OF THE SAHTANEH AREA



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Fort Nelson, B.C.

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1. INTRODUCTION

1.1 Introduction

In January of 2003, Shearwater Mapping Ltd. was retained by Slocan Forest Products to prepare Terrestrial Ecosystem Maps at a scale of 1:20 000 for the Sahtaneh Study Area. The area covered included BCGS map sheets 94O.005 - .009, .015 - .020, .025 - .030, .035 - .040, .045 - .050 and .055 - .060 (35 map sheets of which .008, .009, .020, .030 and .040 are partial map sheets). The total area within the study area is 431,088 ha.

Following the Standard for Terrestrial Ecosystem Mapping in British Columbia (Resources Inventory Committee 1998) 148 ground inspections were located and sampled; in addition, 1061 visual records were obtained. All samples were located in the Fort Nelson Moist Warm Boreal White and Black Spruce Variant (BWBSmw2).

1.2 Study Area

The study area is depicted in Figure 1 (page 2). The area is divided between the Fort Nelson Lowland (FNL), Etsho Plateau (ETP) and Maxhamish Upland (MAU) Ecosystems, with the Fort Nelson Lowland occupying approximately 75% of the entire area. Elevations range from 275m to 730m (900 to 2447 ft), with the lowest elevations found on the Fort Nelson River floodplain, rising to higher elevations in the northeast. The Fort Nelson River extends from the southeast corner of the study area to the confluence of the Kiwigana River. Other major drainages include Stanolind Creek, Tsimei Creek, Etsho Creek, Klenteh Creek, Delkpey Creek, and Gote Creek. Named lakes include Tsinhea Lake, Two Island Lake, Trail Lake, Tightfit Lake, and Tsea Lakes.

Typical vegetation on mesic sites is composed of predominantly seral forests of trembling aspen and white spruce, with prickly rose, soopolallie and highbush-cranberry dominating the continuous, robust shrub layer. Bunchberry is the only consistently occurring herb, although fireweed, twinflower and trailing raspberry also frequently occur. Mature climax forests of white spruce have less shrub cover and a thick carpet of *Hylocomium splendens*, *Pleurozium schreberi* and *Ptilium crista-castrensis*. All sites have clayey, silty morainal or lacustrine blanket parent material (fine-textured soil site modifier). Typical sites with medium-textured moraine do not occur. Common soils are Gleyed Gray Luvisol and Orthic Gray Luvisol.

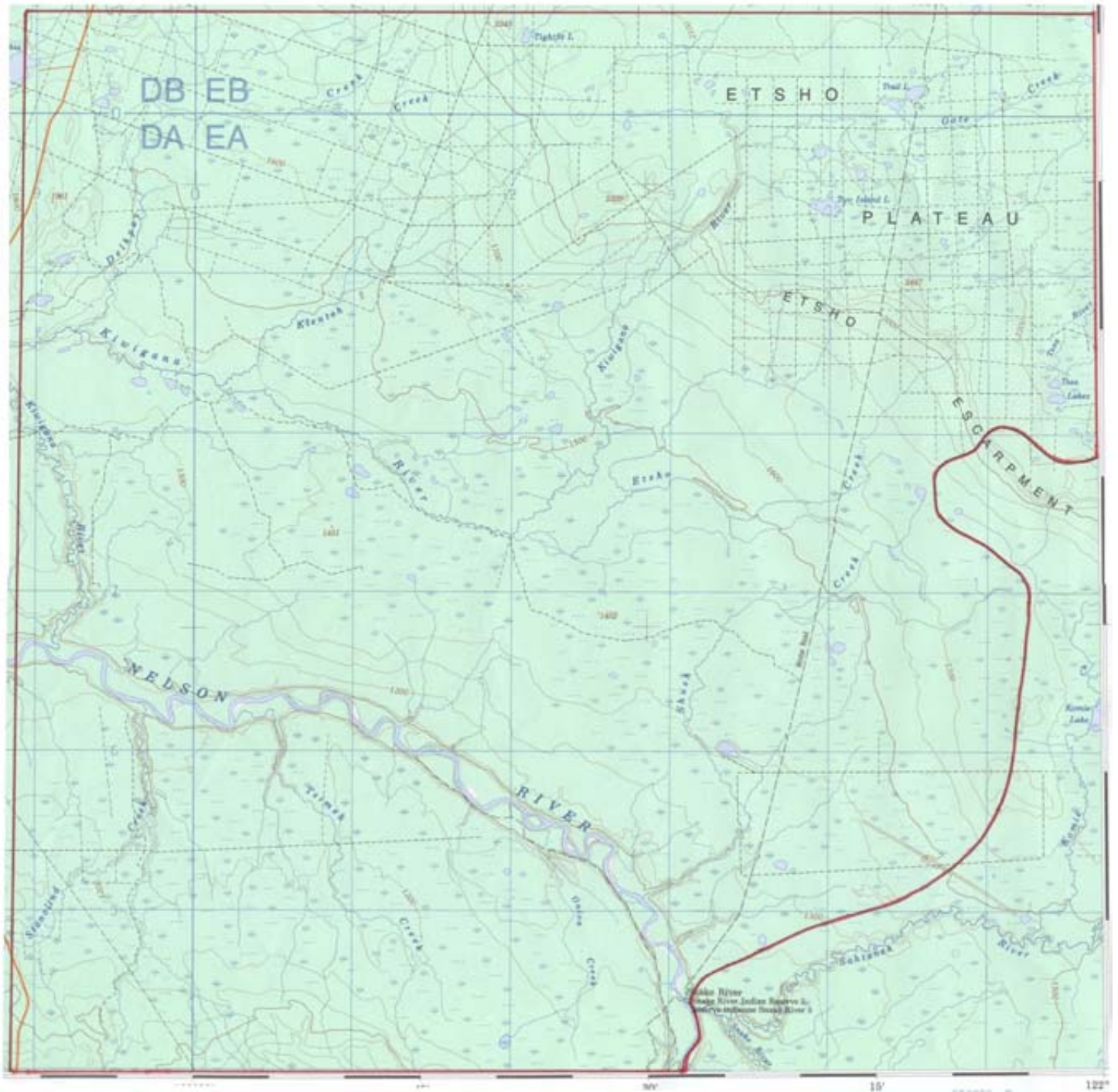


Figure 1. Study Area

Sandy eolian ridges (which occur rarely) are dominated by very open forests of lodgepole pine, with patchy prickly rose, saskatoon and choke cherry in the shrub layer. Dominant herbs are kinnikinnick and lingonberry. A well-developed layer of ground lichens is usually present. Typical soil development is Orthic Dystric Brunisol.

On medium to coarse-textured moraine and level eolian deposits, open mixed forests of lodgepole pine and trembling aspen develop. Prickly rose, soopolallie, fuzzy-spiked wildrye and lingonberry are common understory plant species. Soils are typically Eluviated Dystric Brunisols.

Floodplains of the Fort Nelson and Kiwigana rivers, which are deeply incised into the surrounding till and lacustrine plain, develop productive forests of white spruce and balsam poplar. The vigorous shrub layer is characterized by willow, mountain alder, highbush-cranberry and red-osier dogwood. Common herbs include horsetails, bluejoint, bunchberry and twinflower. Soils, which are highly variable include Cumulic Regosol, Orthic Dystric Brunisol, Cumulic Humic Regosol, Rego Gleysol and Orthic Gleysol.

Wet forested sites have a mixture of white and black spruce, with occasional tamarack occurring. Common shrubs include willows, mountain alder and Labrador tea; common herbs are horsetails, lingonberry, and bunchberry. Characteristic mosses include *Sphagnum* spp., *Hylocomium splendens*, *Pleurozium schreberi*, *Tomenthypnum nitens* and *Ptilium crista-castrensis*. Parent materials include clayey, silty morainal and lacustrine blanket and organic veneer over moraine. Typical soil developments are Orthic Gleysol, Rego Humic Gleysol, Gleyed Gray Luvisol, Terric Fibrisol, and Terric Humic Fibrisol. Frozen soils (Humic Organic Cryosol) occur occasionally.

Bogs, dominated by scrubby black spruce, Labrador tea, leatherleaf, bog-rosemary, lingonberry, and cloudberry are a prominent feature, often occurring as continuous landscapes. A thick spongy, mat of *Sphagnum* spp. is typical and a well-developed cover of *Cladina* spp. is often present. Typical soil developments are Typic Fibrisol and Typic Mesisol.

Other wetlands including Bebb's willow - Mountain alder - Bluejoint swamps, Tamarack - Buckbean swamps, riparian marshes, and sedge fens occur throughout the study area. Primary parent materials are various depths of organic material over clayey, silty moraine. Soil developments include Typic Fibrisol, Typic Mesisol, Mesic Humisol, Terric Humisol, Orthic Humic Gleysol and Rego Gleysol.

2. METHODOLOGY

Prior to field work being implemented, all mapping of terrain and ecosystem units was done on the applicable aerial photos. Utilizing the information obtained in the TEM for the Snake/Sahtaneh study area, which adjoins this area along its eastern boundary, a detailed working legend was compiled. The working legend, which offers a correlation table of terrain types to site series (ecosystem units), was used as the template for mapping both terrain and ecosystems. Following completion of the typing of aerial photos, a monorestitution process was utilized to digitally capture mapping linework. A polygonal database for both terrain and ecosystems was constructed and linked to the GIS polygons.

A total of 148 ground inspections were located and sampled, as well as 1061 visual records, with field work being carried out in June, 2003. Ground inspections were selected to characterize the range of ecosystems and structural stages occurring on the various surficial materials. Visual records were primarily done from a helicopter, with a few completed on the ground. The existing site series classification (DeLong *et al.* 1990) was utilized, except for non-forested units which were named according to RIC standards.

At each ground inspection location, ground inspections forms were completed according to Luttmending *et al.* (1990). A complete list of vascular plants was made and percent cover estimates were recorded for each species entry. Dominant mosses, lichens and liverworts were also recorded. Soils were described in terms of texture, coarse fragment content and humus form (order). Surficial geology terminology is after Howes and Kenk (1997). Nomenclature of vascular plants follows Meidinger (1987); mosses after Crum *et al.* (1973) and lichens according to Hale and Culberson (1970).

For ground visual records the following parameters were recorded: surveyors, date, map sheet, aerial photo number, elevation, slope, aspect, slope position, soil moisture regime, soil nutrient regime, soil drainage, soil texture, terrain unit, site series, structural stage, site modifier, and Ecosession. Quick visual records consisted only of date, surveyors, map sheet, terrain unit and site series (observations were usually made from helicopter).

During field sampling the variation in structural stages was sampled. Structural stages sampled, and also mapped, are:

- 1 Sparse/bryoid
 - 1a Sparse (Less than 10% vegetation cover)
 - 1b Bryoid (Bryophyte and lichen-dominated communities)

- 2 Herb (wetlands or recently logged)
 - 2a Forb-dominated
 - 2b Graminoid-dominated

- 3 Shrub/Herb (early successional stage or disclimax/climax communities dominated by shrubby vegetation <10m tall; <20 years for normal forest succession, up to 100+ years for disclimax/climax communities)
 - 3a Low Shrub (early successional stage or disclimax/climax communities dominated by shrubby vegetation <2m tall).
 - 3b Tall Shrub (early successional stage or disclimax/climax communities dominated by shrubby vegetation >2m tall and 10m).
- 4 Pole/Sapling (trees greater than 10m tall, <20 years for normal succession or up to 100 years for stagnant stands)
- 5 Young Forest (40 to 80 years)
- 6 Mature Forest (80 to 140 years)
- 7 Old Forest (>140 years)

Site series are subdivided, based on site conditions such as depth of soil, aspect, soil texture and landform. These “site modifiers”, which are linked to the site series symbols on the maps, are as follows:

a - active floodplain

the site series occurs on an active fluvial floodplain (level or very gently sloping surface bordering a river that has been formed by river erosion and deposition), where evidence of active sedimentation and deposition is present.

c - coarse-textured soils

the site series occurs on soils with a coarse texture, including sand and loamy sand, and also sandy loam, loam and sandy clay loam with greater than 70% coarse fragment volume.

d - deep soils

the site series occurs on soils greater than 100 cm to bedrock.

f - fine-textured soils

the site series occurs on soils with a fine texture including silt and silt loam with less than 20% coarse fragment volume; and clay, silty clay, silty clay loam, clay loam, sandy clay and heavy clay with less than 35% coarse fragment volume.

g – gullying

the site series occurs within a gully, or the site series has gullying throughout the delineated area.

j - gentle slope

the site series occurs on gently sloping topography (less than 25%).

k - cool aspect

the site series occurs on cool, northerly or easterly aspects (285-135 degrees) on moderate (>25%) to very steep slopes.

m - medium-textured soils

the site series occurs on soils with a medium texture, including sandy loam, loam and sandy clay loam with less than 70% coarse fragment volume; silt loam and silt with less than 20% coarse fragment volume; and clay, silty clay, silty clay loam, clay loam, sandy clay and heavy clay with more than 35% coarse fragment volume.

n - fan

the site series occurs on a fluvial fan (most common) or on a colluvial fan or cone.

p - peaty material

the site series occurs on deep organic soils or a peaty surface (15-60cm) over mineral soils.

r - ridge

the site series occurs throughout an area of ridged terrain, or it occurs on a ridge crest.

t - terrace

the site series occurs on a fluvial or glaciofluvial terrace, lacustrine terrace, or rock cut terrace.

w - warm aspect

the site series occurs on warm, southerly or westerly aspects (135-285 degrees) on moderate (>25%) to very steep slopes.

Map symbols consist of a site series, site modifier (if applicable) and structural stage. For example:

AMf5

AMf5 = SwAt - Step moss site series, fine-textured soils, young forest. Up to two site modifiers can be attached to a site series. Complex (2 or 3 part) map symbols are utilized where landscape, site or vegetation conditions are diverse. For example:

8AMf5 - 2BWp5

8AMf5 – 2BWp5 = Eighty percent SwAt - Step moss site series, fine-textured, young forest with twenty percent Sb - Willow site series, peaty material, young forest. Note that for complex map symbols, deciles are placed before the site series symbols, and deciles must always total 10 (10 = 100%).

3. BIOGEOCLIMATIC UNITS

The entire study area lies within the Fort Nelson Moist Warm Boreal White and Black Spruce Variant (BWBSmw2). Typical climax forests are dominated by white spruce, with a patchy shrub cover of prickly rose, and occasional highbush-cranberry. Common herbs include bunchberry and twinflower, with frequent occurrences of lingonberry, common mitrewort and one-sided wintergreen. A continuous carpet of *Hylocomium splendens*, *Pleurozium schreberi* and *Ptilium crista-castrensis* is always present. Characteristic soils are Gleyed Gray Luvisols, Orthic Gray Luvisols, and Brunisolic Gray Luvisols. Humus forms are predominantly Hemimors and Hemihumimors.

4. ECOSYSTEM UNITS

An ecosystem unit incorporates site series, site modifiers and structural stages. Forested site series are named according to dominant trees and a shrub, herb, moss, lichen or liverwort. Two letter site series symbols are now standardized for all biogeoclimatic units in the province (Resources Inventory Committee 1998). A summary of all mapped ecosystem units is provided in Table 1. Note that “typic” denotes that the site series occurs on deep, medium-textured soils with gentle slopes.

Table 1. Ecosystem Units of the Sahtaneh Study Area

| | | | |
|---------|-----|---|--|
| BWBSmw2 | 01 | AM | SwAt - Step moss, typic |
| | | AMc | SwAt - Step moss, coarse-textured soils |
| | | AMf | SwAt - Step moss, fine-textured soils |
| | | AMr | SwAt - Step moss, ridge |
| | 02 | LL | PI – Lingonberry, typic |
| | 04 | BL | Sb - Lingonberry - Coltsfoot, typic |
| | | BLc | Sb - Lingonberry - Coltsfoot, coarse-textured soils |
| | | BLck | Sb - Lingonberry - Coltsfoot, coarse-textured soils, cool aspect |
| | | BLcr | Sb - Lingonberry - Coltsfoot, coarse-textured soils, ridge |
| | | BLcw | Sb - Lingonberry - Coltsfoot, coarse-textured soils, warm aspect |
| | | BLfk | Sb - Lingonberry - Coltsfoot, fine-textured soils, cool aspect |
| | | BLfw | Sb - Lingonberry - Coltsfoot, fine-textured soils, warm aspect |
| | | BLfr | Sb - Lingonberry - Coltsfoot, fine-textured soils, ridge |
| | | BLk | Sb - Lingonberry - Coltsfoot, cool aspect |
| | | BLks | Sb - Lingonberry - Coltsfoot, cool aspect, shallow soils |
| | | BLr | Sb - Lingonberry - Coltsfoot, ridge |
| | | BLsw | Sb - Lingonberry - Coltsfoot, shallow soils, warm aspect |
| | | BLt | Sb - Lingonberry - Coltsfoot, terrace |
| | | BLvw | Sb - Lingonberry - Coltsfoot, very shallow soils, warm aspect |
| | BLw | Sb - Lingonberry - Coltsfoot, warm aspect | |
| | 05 | SHa | Sw - Currant - Horsetail, active floodplain |
| | | SHT | Sw - Currant - Horsetail, terrace |
| | 06 | BB | Sb - Feathermoss - Bluebells, typic |
| | | BBa | Sb - Feathermoss - Bluebells, active floodplain |
| | | BBc | Sb - Feathermoss - Bluebells, coarse-textured soils |
| | | BBcg | Sb - Feathermoss - Bluebells, coarse-textured soils, gullied |
| | | BBf | Sb - Feathermoss - Bluebells, fine-textured soils |
| | | BBfg | Sb - Feathermoss - Bluebells, fine-textured soils, gullied |
| | | BBg | Sb - Feathermoss - Bluebells, gullied |
| | | BBgk | Sb - Feathermoss - Bluebells, gullied, cool aspect |
| | | BBgw | Sb - Feathermoss - Bluebells, gullied, warm aspect |
| | | BBn | Sb - Feathermoss - Bluebells, fan |
| | | BBp | Sb - Feathermoss - Bluebells, peaty material |
| | 07 | THp | Lt - Horsetail, peaty material |
| | 08 | BS | Sb - Cloudberry - Sphagnum, typic |

| | | |
|----|------|---|
| 09 | BW | Sb - Willow, typic |
| | BWc | Sb - Willow, coarse-textured soils |
| | BWck | Sb - Willow, coarse-textured soils, cool aspect |
| | BWf | Sb - Willow, fine-textured soils |
| | BWp | Sb - Willow, peaty material |
| | BWt | Sb - Willow, terrace |
| | BWw | Sb - Willow, warm aspect |
| 10 | TB | Lt - Buckbean, typic |
| 00 | AB | Bebb's willow - Mountain alder - Bluejoint swamp, typic |
| | ABc | Bebb's willow - Mountain alder - Bluejoint swamp, coarse-textured soils |
| | ABp | Bebb's willow - Mountain alder - Bluejoint swamp, peaty material |
| | ABw | Bebb's willow - Mountain alder - Bluejoint swamp, warm aspect |
| 00 | LR | Leatherleaf - Bog-rosemary - Sphagnum, typic |
| 00 | SB | Sw - Currant - Bluebell, typic |
| | SBc | Sw - Currant - Bluebell, coarse-textured soils |
| | SBct | Sw - Currant - Bluebell, coarse-textured soils,terrace |
| | SBf | Sw - Currant - Bluebell, fine-textured soils |
| | SBfk | Sw - Currant - Bluebell, fine-textured soils, cool aspect |
| | SBfw | Sw - Currant - Bluebell, fine-textured soils, warm aspect |
| | SBw | Sw - Currant - Bluebell, warm aspect |
| 00 | SS | Scrub birch - Willow - Water sedge fen, typic |
| | SSp | Scrub birch - Willow - Water sedge fen, peaty material |
| 00 | WB | Drummond's willow - Bluejoint low bench/swamp, typic |
| | WBp | Drummond's willow - Bluejoint lowb ench/swamp, peaty material |

In the following descriptive tables, each ecosystem is described in terms of dominant and associated plant species for each vegetation layer (trees, shrubs, herbs and mosses/lichens/liverworts). Dominant species have a frequency of 75% or greater, combined with a mean cover of at least 5%. Associated species have a frequency of less than 75% (with any mean cover value) or frequency of 75% or greater combined with mean cover of less than 5%. Frequency (or presence) is the number of plots (within the sample group) that a species occurs in, expressed as a percentage. Mean cover is the mean of all percent cover ratings for a specific plant within an ecosystem unit.

A number of map units that are not true site series are recognized, including:

| | |
|----|--------------|
| ES | Exposed soil |
| GB | Gravel bar |
| GP | Gravel pit |
| LA | Lake |
| OW | Open water |
| PD | Pond |
| RI | River |
| RZ | Road surface |

No descriptions are provided for these units.

See Glossary for definition of technical terms.



Photo R1-20; Plot RG042

| SITE DESCRIPTION | | |
|---|---------------------------------|--------------------|
| Elevation | Mean 443 | Range 339 - 706 |
| Slope | 3.8 | 0 - 14 |
| Aspect | Slope Position | Drainage |
| all | all | moderate - well |
| Soil Texture | Coarse Fragment Content | |
| sandy loam - silty clay | <35% | |
| Moisture Regime | Nutrient Regime | |
| mesic | submesotrophic - permesotrophic | |
| Terrain | | |
| silty clayey, clayey silty glaciolacustrine blanket (gentle slope); clayey silty morainal blanket ridge; clayey silty morainal blanket (gentle slope); sandy silty morainal blanket | | |

Biogeoclimatic Ecosystem Classification

**BWBSmw2
01**

Map Unit(s) - Symbol and Name

AM SwAt – Step moss, typic
AMc SwAt – Step moss, coarse-textured soils
AMf SwAt – Step moss, fine-textured soils
AMr SwAt – Step moss, ridge

Comments

The AM ecosystem is common on fine-textured level to rolling uplands (medium and coarse-textured occur rarely). Warm and cool aspects are not present. The vegetation of the AM ecosystem exhibits dramatic changes over succession. Robust bluejoint, bunchberry, trembling aspen, prickly rose and dwarf red raspberry dominate herb and shrub stages. In the pole sapling stage bluejoint disappears, replaced by white spruce, bunchberry and twinflower. Young and mature forests are dominated by continuous cover of trembling aspen (with advanced white spruce regeneration) and a robust layer of prickly rose, highbush-cranberry and soopolallie. In old forests, of continuous white spruce, most shrubs have disappeared, with a continuous moss carpet characteristic. Most sites within the study area are structural stage 4 and 5.

VENUS 4.2

VEGETATION MAPPING REPORT

1

Prj: Sahtaneh, Zn: BWBS, SZ: mw2, SSe: 01

| BGC Unit / Site Series | Site Series Symbol Code | Site Series Symbol Description | Structural Stage Code | Structural Stage Description | Number of Plots |
|--|-------------------------|---|---|--|-----------------|
| BWBSmw2/01 | AM | SwAt - Step moss | 3 | Shrub / Herb (SH) | 3 |
| <u>Dominants:</u> bluejoint prickly rose | | highbush-cranberry trembling aspen | bunchberry dwarf red raspberry | fireweed | |
| <u>Associates:</u> white spruce northern bedstraw sweet coltsfoot | | creamy peavine step moss (Mertensia sp.) | twinflower red-stemmed feathermoss common mitrewort | tall bluebells red raspberry | |
| | | | 4 | Pole / Sapling (PS) | 5 |
| <u>Dominants:</u> white spruce highbush-cranberry | | step moss willow | bunchberry red-stemmed feathermoss | prickly rose soopolallie | |
| <u>Associates:</u> common horsetail black spruce twinflower dwarf red raspberry | | lodgepole pine Labrador tea freckle pelt trembling aspen | paper birch blue wildrye northern bedstraw (Ptilium crista-castrensis) | (Vaccinium vitis-idaea) fireweed mountain alder | |
| | | | 5 | Young Forest (YF) | 7 |
| <u>Dominants:</u> bunchberry | | prickly rose | white spruce | step moss | |
| <u>Associates:</u> twinflower fireweed paper birch balsam poplar | | trembling aspen willow dwarf red raspberry black spruce | highbush-cranberry soopolallie red-stemmed feathermoss creamy peavine | (Vaccinium vitis-idaea) (Ptilium crista-castrensis) tall bluebells | |
| | | | 6 | Mature Forest (MF) | 6 |
| <u>Dominants:</u> white spruce highbush-cranberry | | bunchberry twinflower | prickly rose | step moss | |
| <u>Associates:</u> (Vaccinium vitis-idaea) (Ptilium crista-castrensis) common mitrewort | | trembling aspen balsam poplar dwarf red raspberry | red-stemmed feathermoss willow | Sitka alder soopolallie | |
| | | | 7 | Old Forest (OF) | 1 |
| <u>Dominants:</u> bunchberry prickly rose wild sarsaparilla | | (Alnus viridis) white spruce dwarf red raspberry | highbush-cranberry trembling aspen twinflower | step moss red-stemmed feathermoss bastard toad-flax | |
| <u>Associates:</u> wild lily-of-the-valley | | (Vaccinium vitis-idaea) | (Brachythecium sp.) | sweet-scented bedstraw | |

Report Summary

Minimum Presence for Dominant Species: 75 %
 Minimum Mean Cover for Dominant Species: 5 %
 Minimum Presence for Associate Species: 20 %
 Minimum Mean Cover for Associate Species: 1 %

Number of plots based on criteria: 51
 Number of plots not included due to incomplete group header info (i.e. where Region, Zone, SubZone, SiteSeries, SiteSeriesSymbol, or StructuralStage is Null) or lack of vegetation data: 29
 Total number of plots reported on: 22

End of Report.

December 4, 2003



Photo R1-22; Plot RG045

| SITE DESCRIPTION | | |
|---------------------------------------|---------------------------------|-------------------|
| Elevation | Mean 351 | Range 351 |
| Slope | 3 | 3 |
| Aspect 025 | Slope Position crest | Drainage rapid |
| Soil Texture sandy | Coarse Fragment Content <20% | |
| Moisture Regime xeric | Nutrient Regime oligotrophic | |
| Terrain sandy eolian blanket ridge | | |

Biogeoclimatic Ecosystem Classification

**BWBSmw2
02**

Map Unit(s) - Symbol and Name

LL Pl – Lingonberry – Velvet-leaved blueberry, typic

Comments

This site has a limited occurrence within the study area. Sites are always coarse-textured, sandy, eolian ridges and dunes. With increasing age, lodgepole pine stands become more open (canopy cover is less than 20%). A continuous cover of kinnikinnick and lichens is characteristic of structural stages 5, 6 and 7.

VEGETATION MAPPING REPORT

Prj: Sahtaneh, Zn: BWBS, SZ: mw2, SSe: 02



| BGC Unit / Site Series | Site Series Symbol Code | Site Series Symbol Description | Structural Stage Code | Structural Stage Description | Number of Plots |
|--|-------------------------|--|-----------------------|------------------------------|-----------------|
| BWBSmw2/02 | LL | Pl - Lingonberry - Velvet-leaved blueberry | 4 | Pole / Sapling (PS) | 1 |
| <p><u>Dominants:</u> lodgepole pine prickly rose</p> <p><u>Associates:</u> bluejoint twinlineflower</p> | | | | | |
| | | red-stemmed feathermoss pelt lichens | lesser green reindeer | (Vaccinium vitis-idaea) | |
| | | saskatoon green wintergreen | clad lichens | wild lily-of-the-valley | |
| <p>Report Summary</p> <p>Minimum Presence for Dominant Species: 75 % Minimum Mean Cover for Dominant Species: 5 % Minimum Presence for Associate Species: 20 % Minimum Mean Cover for Associate Species: 1 %</p> <p>Number of plots based on criteria: 1 Number of plots not included due to incomplete group header info (i.e. where Region, Zone, SubZone, SiteSeries, SiteSeriesSymbol, or StructuralStage is Null) or lack of vegetation data: 0 Total number of plots reported on: 1</p> <p>End of Report.</p> | | | | | |

December 4, 2003



Photo R1-21; Plot RG044

| SITE DESCRIPTION | | |
|--|------------------------------|-----------------|
| | Mean | Range |
| Elevation | 465 | 288-699 |
| Slope | 16 | 0 - 55 |
| Aspect | Slope Position | Drainage |
| all | all | moderate - well |
| Soil Texture | Coarse Fragment Content | |
| sandy loam - clay loam | 0 - 35% | |
| Moisture Regime | Nutrient Regime | |
| submesic - mesic | submesotrophic - mesotrophic | |
| Terrain | | |
| sandy silty, clayey silty, mixed fragment clayey silty morainal blanket ridges, silty sandy morainal blanket terrace, silty sandy eolian blanket, silty sandy glaciofluvial blanket terrace, sandy glaciofluvial veneer, silty sandy glaciofluvial terrace hummocked, silty sandy glaciolacustrine moderately steep/moderate slope, mixed fragment clayey silty colluvial blanket hummocked moderately steep slope slow mass movement soil creep and debris slide, silty sandy colluvial blanket slow mass movement soil creep | | |

Biogeoclimatic Ecosystem Classification

**BWBSmw2
04**

Map Unit(s) - Symbol and Name

- | | |
|--|--|
| BL Sb - Lingonberry - Coltsfoot, typic | BLc Sb - Lingonberry - Coltsfoot, coarse-textured |
| BLck Sb - Lingonberry - Coltsfoot, coarse-textured cool aspect | BLcr Sb - Lingonberry - Coltsfoot, coarse-textured ridge |
| BLcw Sb - Lingonberry - Coltsfoot, coarse-textured warm aspect | BLfk Sb - Lingonberry - Coltsfoot, fine-textured cool aspect |
| BLfr Sb - Lingonberry - Coltsfoot, fine-textured ridge | BLfw Sb - Lingonberry - Coltsfoot, fine-textured warm aspect |
| BLk Sb - Lingonberry - Coltsfoot, cool aspect | BLks Sb - Lingonberry - Coltsfoot, cool aspect shallow soil |
| BLr Sb - Lingonberry - Coltsfoot, ridge | BLsw Sb - Lingonberry - Coltsfoot, shallow soil warm aspect |
| BLt Sb - Lingonberry - Coltsfoot, terrace | BLvw Sb - Lingonberry - Coltsfoot, very shallow soil warm aspect |
| BLw Sb - Lingonberry - Coltsfoot, warm aspect | |

Comments

Typic sites are morainal blankets, which can have cool (k) and warm (w) aspects; sites with coarse-textured soils (BLc) are usually glaciofluvial veneer over morainal blanket (these sites can also have cool and warm aspects). Some colluvial slopes occur occasionally as well. Although parent materials are generally fine-textured, surface soil layers are relatively coarse, ranging from sandy loam to clay loam. Mixed stands of lodgepole pine, trembling aspen, white spruce and black spruce are common in structural stages 4, 5 and 6. Shrub and herb layers exhibit low diversity and generally low cover values, although prickly rose, highbush-cranberry and twinflower can attain higher cover values. Bunchberry is always present on forested sites and a continuous cover of mosses is characteristic in older forests.

VENUS 4.2



VEGETATION MAPPING REPORT

1

Prj: Sahtaneh, Zn: BWBS, SZ: mw2, SSe: 04

| BGC Unit / Site Series | Site Series Symbol Code | Site Series Symbol Description | Structural Stage Code | Structural Stage Description | Number of Plots |
|---|-------------------------|--|---|---|-----------------|
| | BL | Sb - Lingonberry - Coltsfoot | 3 | Shrub / Herb (SH) | 1 |
| <u>Dominants:</u> trembling aspen fireweed bluejoint <u>Associates:</u> wild sarsaparilla | | | | | |
| | | red raspberry dwarf red raspberry | prickly rose highbush-cranberry | bunchberry twinflower | |
| | | white spruce | common horsetail | | |
| <u>Dominants:</u> lodgepole pine <u>Associates:</u> clad lichens Labrador tea | | | | | |
| | | black spruce | step moss | Pole / Sapling (PS) red-stemmed feathermoss | 1 |
| | | bunchberry (Vaccinium vitis-idaea) | pelt lichens willow | lesser green reindeer Sitka alder | |
| <u>Dominants:</u> bunchberry <u>Associates:</u> step moss twinflower Sitka alder common mitrewort | | | | | |
| | | prickly rose | | Young Forest (YF) | 7 |
| | | red-stemmed feathermoss lodgepole pine highbush-cranberry soopolallie | trembling aspen black spruce willow tall bluebells | (Ptilium crista-castrensis) white spruce paper birch | |
| <u>Dominants:</u> trembling aspen prickly rose red-stemmed feathermoss <u>Associates:</u> bluejoint wintergreen Lindley's aster | | | | | |
| | | white spruce twinflower Sitka alder | red-osier dogwood soopolallie step moss | highbush-cranberry balsam poplar willow | 1 |
| | | wild strawberry tall bluebells | paper birch wild sarsaparilla | suskatoon northern bedstraw | |
| <u>Dominants:</u> step moss <u>Associates:</u> white spruce paper birch common mitrewort black spruce red-osier dogwood | | | | | |
| | | red-stemmed feathermoss | prickly rose | Old Forest (OF) | 3 |
| | | Sitka alder (Ptilium crista-castrensis) bluejoint bastard toad-flax | trembling aspen dwarf red raspberry Lindley's aster willow | bunchberry highbush-cranberry twinflower lodgepole pine (Vaccinium vitis-idaea) | |
| Report Summary Minimum Presence for Dominant Species: 75 % Minimum Mean Cover for Dominant Species: 5 % Minimum Presence for Associate Species: 20 % Minimum Mean Cover for Associate Species: 1 % Number of plots based on criteria: 29 Number of plots not included due to incomplete group header info (i.e. where Region, Zone, SubZone, SiteSeries, SiteSeriesSymbol, or StructuralStage is Null) or lack of vegetation data: 16 Total number of plots reported on: 13 End of Report. | | | | | |

December 4, 2003



Photo R1-13; Plot RG036

SITE DESCRIPTION

| | | |
|----------------------|-------------------------|------------------|
| | Mean | Range |
| Elevation | 344 | 270 - 500 |
| Slope | 0.6 | 0 - 6 |
| Aspect | Slope Position | Drainage |
| 999, 90-220 | level | moderate - rapid |
| Soil Texture | Coarse Fragment Content | |
| sand - silt loam | 0 - 35% | |
| Moisture Regime | Nutrient Regime | |
| submesic - subhygric | mesotrophic - eutrophic | |

Terrain

silty sandy, sandy silty fluvial active terrace; sandy silty fluvial active plain terrace; silty sandy fluvial active plain; sandy silty fluvial active blanket terrace meandering channel; sandy fluvial active blanket rolling terrace; sandy, sandy silty, silty sandy, gravelly sandy fluvial blanket terrace meandering channel; sandy silty, silty sandy fluvial blanket terrace; sandy silty fluvial veneer terrace meandering channel; sandy silty fluvial terrace

Biogeoclimatic Ecosystem Classification

**BWBSmw2
05**

Map Unit(s) - Symbol and Name

SH Sw - Currant - Horsetail, typic
 SHa Sw - Currant - Horsetail, active
 SHt Sw - Currant - Horsetail, terrace

Comments

The Sw - Currant - Horsetail ecosystem unit occurs on, fluvial plains (SHa) and adjacent fluvial terraces (SHt). The fluvial plains are typically active and deeply incised into the surrounding morainal and lacustrine landscape. Most sites are level although scarp slopes of fluvial terraces, do occasionally occur. Herb and shrub stages usually occupy sand and gravel bars, which are periodically inundated. Balsam poplar is frequently a long-lasting seral species; white spruce dominates pole/sapling and older forests. Red-osier dogwood, horsetails and highbush-cranberry are characteristic species of forested sites.



Prj: Sahtaneh, Zn: BWBS, SZ: mw2, SSe: 05

| BGC Unit / Site Series | Site Series Symbol Code | Site Series Symbol Description | Structural Stage Code | Structural Stage Description | Number of Plots |
|---|-------------------------|---|-----------------------|--|-----------------|
| BWBSmw2/05 | SH | Sw - Currant - Horsetail | 3 | Shrub / Herb (SH) | 3 |
| <u>Dominants:</u> willow | | common horsetail | | red raspberry | |
| <u>Associates:</u> red-osier dogwood fireweed trembling aspen sedge | | prickly rose northern bedstraw western meadowrue dwarf red raspberry | | mountain alder brome large-leaved avens balsam poplar | |
| | | | 3a | Low Shrub (LS) | 1 |
| <u>Dominants:</u> mountain alder | | common horsetail | | balsam poplar | |
| <u>Associates:</u> (none) | | | | willow | |
| | | | 4 | Pole / Sapling (PS) | 3 |
| <u>Dominants:</u> balsam poplar | | mountain alder | | common horsetail | |
| <u>Associates:</u> scouring-rush Lindley's aster | | white spruce American vetch | | swamp horsetail | |
| | | | | dwarf red raspberry | |
| | | | 5 | Young Forest (YF) | 8 |
| <u>Dominants:</u> common horsetail mountain alder | | white spruce step moss | | bunchberry willow | |
| <u>Associates:</u> highbush-cranberry red-stemmed feathermoss wild strawberry trembling aspen | | twinflower (Ptilium crista-castrensis) common mitrewort paper birch | | dwarf red raspberry red-osier dogwood bluejoint Sitka alder | |
| | | | | tall bluebells Lindley's aster balsam poplar | |
| | | | 6 | Mature Forest (MF) | 5 |
| <u>Dominants:</u> common horsetail prickly rose | | highbush-cranberry red-osier dogwood | | white spruce | |
| <u>Associates:</u> balsam poplar dwarf red raspberry step moss bluejoint | | red-stemmed feathermoss wild sarsaparilla scouring-rush | | bunchberry northern bedstraw willow | |
| | | | | common mitrewort (Ptilium crista-castrensis) trembling aspen | |
| | | | 7 | Old Forest (OF) | 1 |
| <u>Dominants:</u> white spruce twinflower highbush-cranberry | | red-stemmed feathermoss bunchberry prickly rose | | step moss common horsetail soopofallie | |
| <u>Associates:</u> northern bedstraw dwarf red raspberry paper birch | | common mitrewort red-osier dogwood wild lily-of-the-valley | | bluejoint bastard toad-flax | |
| | | | | mountain alder (Ptilium crista-castrensis) | |
| | | | | pink wintergreen (Vaccinium vitis-idaea) | |
| Report Summary | | | | | |
| Minimum Presence for Dominant Species: 75 % | | | | | |
| Minimum Mean Cover for Dominant Species: 5 % | | | | | |
| Minimum Presence for Associate Species: 20 % | | | | | |
| Minimum Mean Cover for Associate Species: 1 % | | | | | |
| Number of plots based on criteria: 29 | | | | | |
| Number of plots not included due to incomplete group header info (i.e. where Region, Zone, SubZone, SiteSeries, SiteSeriesSymbol, or StructuralStage is Null) or lack of vegetation data: 8 | | | | | |
| Total number of plots reported on: 21 | | | | | |
| End of Report. | | | | | |

December 4, 2003



Photo R1-10; Plot RG034

SITE DESCRIPTION

| | | |
|--------------------|---------------------------------|-----------------|
| | Mean | Range |
| Elevation | 415 | 384 - 465 |
| Slope | 2.5 | 0 - 4 |
| Aspect | Slope Position | Drainage |
| 999, 260-340 | level - lower | poor - moderate |
| Soil Texture | Coarse Fragment Content | |
| sand - clay loam | 0 - 70% | |
| Moisture Regime | Nutrient Regime | |
| subhygric - hygric | submesotrophic - permesotrophic | |
| Terrain | | |

mesic organic veneer over sandy pebbly glaciofluvial blanket; humic organic thin veneer/veneer over clayey silty morainal blanket; humic organic veneer over clayey glaciolacustrine blanket; silty clayey glaciolacustrine blanket

Biogeoclimatic Ecosystem Classification

**BWBSmw2
06**

Map Unit(s) - Symbol and Name

BB Sb - Feathermoss - Bluebells, typic
 BBc Sb - Feathermoss - Bluebells, coarse-textured
 BBf Sb - Feathermoss - Bluebells, fine-textured
 BBg Sb - Feathermoss - Bluebells, gully
 BBgw Sb - Feathermoss - Bluebells, gully warm aspect
 BBp Sb - Feathermoss - Bluebells, peaty material

BBa Sb - Feathermoss - Bluebells, active floodplain
 BBcg Sb - Feathermoss - Bluebells, coarse-textured gully
 BBfg Sb - Feathermoss - Bluebells, fine-textured gully
 BBgk Sb - Feathermoss - Bluebells, gully cool aspect
 BBn Sb - Feathermoss - Bluebells, fan or cone

Comments

The BB ecosystem typically occurs on fine-textured moraine and glaciolacustrine, with moderate to poor soil drainage. Humus layers are relatively deep and mushy. Sites are always level or very gently sloping. In mature and old forests, mixed stands of white and black spruce are typical. The understory is varied with low cover values but prickly rose, horsetails and common mitrewort occur most frequently. A continuous, thick moss cover is characteristic of young to old forests.

VENUS 4.2



VEGETATION MAPPING REPORT

I

Prj: Sahtaneh, Zn: BWBS, SZ: mw2, SSe: 06

| BGC Unit / Site Series | Site Series Symbol Code | Site Series Symbol Description | Structural Stage Code | Structural Stage Description | Number of Plots |
|--|-------------------------|---|--|--|-----------------|
| BWBSmw2/06 | BB | Sb - Feathermoss - Bluebells | 5 | Young Forest (YF) | 2 |
| <p>Dominants: white spruce willow black spruce glow moss dwarf red raspberry bunchberry</p> <p>Associates: violet</p> | | | | | |
| | | step moss Labrador tea mountain alder paper birch tamarack red-osier dogwood | common horsetail prickly rose golden fuzzy fen moss (Ptilium crista-castrensis) skunk currant dwarf scouring-rush | common mitrewort (Rhizomnium sp.) wood horsetail red-stemmed feathermoss (Vaccinium vitis-idaea) clad lichens | |
| | | sweet coltsfoot | soft-leaved sedge | tall bluebells | |
| <hr/> | | | | | |
| <p>Dominants: step moss bunchberry white spruce common mitrewort (Sphagnum sp.) bastard toad-flax</p> <p>Associates: northern bedstraw</p> | | | | | |
| | | red-stemmed feathermoss paper birch black spruce Labrador tea twinflower (Vaccinium vitis-idaea) | mountain alder prickly rose (Ptilium crista-castrensis) glow moss willow (Rhizomnium sp.) | common horsetail dwarf scouring-rush red-osier dogwood wild strawberry sedge highbush-cranberry | 2 |
| | | pelt lichens | bluejoint | | |

Report Summary

Minimum Presence for Dominant Species: 40 %
Minimum Mean Cover for Dominant Species: 1 %
Minimum Presence for Associate Species: 20 %
Minimum Mean Cover for Associate Species: 0.5 %

Number of plots based on criteria: 9
Number of plots not included due to incomplete group header info (i.e. where Region, Zone, SubZone, SiteSeries, SiteSeriesSymbol, or StructuralStage is Null) or lack of vegetation data: 5
Total number of plots reported on: 4

End of Report.

December 9, 2003



Photo R2-17; Plot RG067

| SITE DESCRIPTION | | |
|---|---------------------------------|-----------------------|
| Elevation | Mean 442 | Range 364 - 638 |
| Slope | 0 | 0 |
| Aspect | Slope Position | Drainage |
| 999 | level | very poor - imperfect |
| Soil Texture | Coarse Fragment Content | |
| fibric - humic; silty clay loam - clay loam | 0 - 35% | |
| Moisture Regime | Nutrient Regime | |
| hygric - hydric | submesotrophic - permesotrophic | |
| Terrain | | |
| humic organic veneer over clayey silty morainal blanket; humic organic thin veneer/veneer over clayey silty morainal blanket; humic organic veneer over silty clayey glaciolacustrine blanket; humic organic blanket over clayey silty morainal blanket; fibric mesic organic blanket permafrost over morainal blanket; humic organic veneer/blanket; humic, fibric mesic, organic blanket; clayey silty morainal blanket | | |

Biogeoclimatic Ecosystem Classification

**BWBSmw2
07**

Map Unit(s) - Symbol and Name

THp Lt - Horsetail, peaty material

Comments

The TH unit occurs only on organic veneer and blanket material. Sites are usually quite wet, with water at or near the soil surface for most of the growing season. Vegetation on these sites is dominated by a variety of moisture tolerant shrubs including tamarack, mountain alder, willow and Labrador tea. Lingonberry is always present in small amounts; characteristic herbs are sedges and horsetails.

VENUS 4.2

VEGETATION MAPPING REPORT

1



Prj: Sahtaneh, Zn: BWBS, SZ: mw2, SSe: 07

| BGC Unit / Site Series | Site Series Symbol Code | Site Series Symbol Description | Structural Stage Code | Structural Stage Description | Number of Plots | |
|---|--|--|---|--|--|--|
| BWBSmw2/07 | TH | Lt - Horsetail | 3a | Low Shrub (LS) | 3 | |
| | | | <u>Dominants:</u> (Sphagnum sp.) red-stemmed feathermoss Labrador tea <u>Associates:</u> scrub birch mountain alder sweet gale | black spruce tamarack bog cranberry cloudberry | glow moss willow step moss clad lichens | sedge (Vaccinium vitis-idaea) leatherleaf golden fuzzy fen moss |
| | | | <u>Dominants:</u> (Sphagnum sp.) mountain alder hairlike sedge <u>Associates:</u> (POTEPAL) bunchberry | tamarack bluejoint black spruce (Vaccinium vitis-idaea) | water sedge willow Labrador tea | glow moss leatherleaf bog cranberry |
| <u>Dominants:</u> black spruce <u>Associates:</u> Labrador tea paper birch twinflower alpine bearberry (Ptilium crista-castrensis) | willow glow moss (Vaccinium vitis-idaea) bunchberry red-stemmed feathermoss wild strawberry | (Sphagnum sp.) white spruce clad lichens golden fuzzy fen moss balsam poplar | sedge lesser green reindeer leatherleaf prickly rose freckle pelt | 4 | | |
| <u>Dominants:</u> black spruce mountain alder (Vaccinium vitis-idaea) <u>Associates:</u> freckle pelt | (Sphagnum sp.) step moss weak false-manna | soft-leaved sedge common horsetail bunchberry | glow moss Labrador tea | 1 | | |
| <u>Dominants:</u> mountain alder enchanter's-nightshade dwarf red raspberry <u>Associates:</u> paper birch (Vaccinium vitis-idaea) | common horsetail weak false-manna common mitrewort glow moss | white spruce (Rhizomnium sp.) arrow-leaved coltsfoot orchid | skunk currant tamarack bunchberry red-osier dogwood | 1 | | |

Report Summary

Minimum Presence for Dominant Species: 75 %
 Minimum Mean Cover for Dominant Species: 5 %
 Minimum Presence for Associate Species: 20 %
 Minimum Mean Cover for Associate Species: 1 %

Number of plots based on criteria: 14
 Number of plots not included due to incomplete group header info (i.e. where Region, Zone, SubZone, SiteSeries, SiteSeriesSymbol, or StructuralStage is Null) or lack of vegetation data: 4
 Total number of plots reported on: 10

End of Report.

December 4, 2003



Photo R1-03; Plot RG029

| SITE DESCRIPTION | | |
|--|---------------------------------|------------------------------|
| Elevation | Mean 519 | Range 360 - 692 |
| Slope | 1.2 | 0 - 5 |
| Aspect 999, 320-040 | Slope Position level, crest | Drainage very poor - poor |
| Soil Texture fibric - humic | Coarse Fragment Content <20% | |
| Moisture Regime hygric - hydric | Nutrient Regime oligotrophic | |
| Terrain | | |
| fibric, fibric mesic organic blanket permafrost; fibric, fibric mesic organic blanket plain; fibric, fibric mesic, mesic humic organic blanket; fibric organic veneer blanket; fibric, fibric mesic organic veneer blanket permafrost; fibric organic veneer | | |

Biogeoclimatic Ecosystem Classification

**BWBSmw2
08**

Map Unit(s) - Symbol and Name

BS Sb – Cloudberry – Sphagnum, typic

Comments

The BS ecosystem unit is a characteristic feature of the BWBSmw2, occurring on the extensive organic landscape of the area. The degree of organic decomposition is somewhat variable, although fibric is most common. Discontinuous permafrost occurs sporadically. The majority of sites occur in structural stages 3 and 4. 3 was used for open, low-shrubby sites with less black spruce cover; 4 was used for sites with near continuous, tall black spruce cover (up to 60%). The herb stage occurs briefly on recently burnt sites. Low diversity and occasionally high cover values for ground lichens (up to 70%) are characteristic.

| BGC Unit / Site Series | Site Series Symbol Code | Site Series Symbol Description | Structural Stage Code | Structural Stage Description | Number of Plots |
|---|-------------------------|--|--|-----------------------------------|-----------------|
| BWBSmw2/08 | BS | Sb - Cloudberry - Sphagnum | 3 | Shrub / Herb (SH) | 7 |
| <u>Dominants:</u> (Sphagnum sp.) (Vaccinium vitis-idaea) bog cranberry | | | | | |
| | | Labrador tea leatherleaf scrub birch | black spruce lesser green reindeer | cloudberry tamarack | |
| <u>Associates:</u> three-leaved false Solomon's-seal | | | | | |
| | | clad lichens | | | |
| <hr/> | | | | | |
| <u>Dominants:</u> (Sphagnum sp.) (Vaccinium vitis-idaea) bog cranberry | | | | | |
| | | black spruce cloudberry clad lichens | Labrador tea leatherleaf scrub birch | lesser green reindeer tamarack | 8 |
| <u>Associates:</u> three-leaved false Solomon's-seal sedge | | | | | |
| | | (Dicranum sp.) | step moss | red-stemmed feathermoss | |

Report Summary

Minimum Presence for Dominant Species: 40 %
 Minimum Mean Cover for Dominant Species: 1 %
 Minimum Presence for Associate Species: 20 %
 Minimum Mean Cover for Associate Species: 0.5 %

Number of plots based on criteria: 42

Number of plots not included due to incomplete group header info (i.e. where Region, Zone, SubZone, SiteSeries, SiteSeriesSymbol, or StructuralStage is Null) or lack of vegetation data: 27

Total number of plots reported on: 15

End of Report.



Photo R1-18; Plot RG040

SITE DESCRIPTION

| | | |
|-----------------|-----------------------------------|--|
| | Mean | Range |
| Elevation | 500 | 352 - 708 |
| Slope | 1.1 | 0 - 10 |
| Aspect | 999, 045 | |
| Slope Position | level, midslope | Drainage poor - imperfect |
| Soil Texture | fibric – humic, silt clay loam | Coarse Fragment Content 0 – 35% |
| Moisture Regime | hygic - subhydic | Nutrient Regime oligotrophic - mesotrophic |
| Terrain | | |

humic organic thin veneer/veneer over sandy silty morainal blanket; humic organic thin veneer/veneer over clayey silty morainal blanket; fibric mesic organic veneer blanket permafrost over silty clayey glaciolacustrine blanket; fibric humic organic veneer; humic organic veneer blanket; humic organic veneer blanket permafrost; humic, fibric humic organic veneer over clayey silty morainal blanket; fibric organic blanket; clayey silty morainal blanket

Biogeoclimatic Ecosystem Classification

**BWBSmw2
09**

Map Unit(s) - Symbol and Name

BW Sb – Willow, typic
 BWck Sb – Willow, coarse-textured cool aspect
 BWp Sb – Willow, peaty material
 BWw Sb – Willow, warm aspect

BWc Sb – Willow, coarse-textured
 BWf Sb – Willow, fine-textured
 BWt Sb – Willow, terrace

Comments

Typic units on medium-textured morainal blanket material do not occur. Most sites occur on organic veneer over fine-textured moraine (BWp). Sites without organic veneer, on fine-textured moraine (BWf) are also found. Drainage is usually poor, and discontinuous permafrost occurs occasionally. The BW unit typically occurs in combination with BB (06) and BS (08) ecosystem units. Willows, Labrador tea, lingonberry, red-stemmed feathermoss and step moss are characteristic plant species.

VENUS 4.2

VEGETATION MAPPING REPORT

1

Prj: Sahtaneh, Zn: BWBS, SZ: mw2, SSe: 09

| BGC Unit / Site Series | Site Series Symbol Code | Site Series Symbol Description | Structural Stage Code | Structural Stage Description | Number of Plots |
|--|-------------------------|---|---|---|-----------------|
| BWBSmw2/09 | BW | Sb - Willow - Glow moss | 3 | Shrub / Herb (SH) | 2 |
| <u>Dominants:</u> black spruce (Vaccinium vitis-idaea) (Sphagnum sp.) <u>Associates:</u> sedge | | | | | |
| | | lesser green reindeer red-stemmed feathermoss cloudberry | Labrador tea scrub birch golden fuzzy fen moss | step moss willow alpine bearberry | |
| <hr/> | | | | | |
| <u>Dominants:</u> black spruce Labrador tea common horsetail lodgepole pine lesser green reindeer <u>Associates:</u> pelt lichens grey reindeer | | | | | |
| | | step moss (Dicranum sp.) clad lichens (POTEFRU) | red-stemmed feathermoss scrub birch golden fuzzy fen moss bunchberry | willow mountain alder alpine bearberry glow moss | 2 |
| | | prickly rose | (Vaccinium vitis-idaea) | sedge | |
| <hr/> | | | | | |
| <u>Dominants:</u> black spruce willow tamarack arctic wintergreen <u>Associates:</u> prickly rose fireweed | | | | | |
| | | step moss Labrador tea twinflower | red-stemmed feathermoss white spruce paper birch | (Vaccinium vitis-idaea) glow moss grey reindeer | 2 |
| | | sweet coltsfoot clad lichens | tall bluebells bunchberry | freckle pelt bluejoint | |
| <hr/> | | | | | |
| <u>Dominants:</u> black spruce (Vaccinium vitis-idaea) lesser green reindeer <u>Associates:</u> prickly rose freckle pelt | | | | | |
| | | step moss willow scrub birch | red-stemmed feathermoss grey reindeer crowberry | Labrador tea glow moss alpine bearberry | 5 |
| | | pelt lichens twinflower | mountain alder | tamarack | |
| <hr/> | | | | | |
| <u>Dominants:</u> Labrador tea (Vaccinium vitis-idaea) bunchberry paper birch <u>Associates:</u> (none) | | | | | |
| | | step moss cloudberry wood horsetail | red-stemmed feathermoss (Sphagnum sp.) willow | black spruce lesser green reindeer prickly rose | 1 |
| <hr/> | | | | | |
| <u>Dominants:</u> red-stemmed feathermoss wood horsetail mountain alder willow <u>Associates:</u> (none) | | | | | |
| | | black spruce Labrador tea bastard toad-flax prickly rose | step moss (Vaccinium vitis-idaea) cloudberry paper birch | (Sphagnum sp.) freckle pelt bunchberry | 1 |
| <hr/> | | | | | |
| Report Summary Minimum Presence for Dominant Species: 40 % Minimum Mean Cover for Dominant Species: 1 % Minimum Presence for Associate Species: 20 % Minimum Mean Cover for Associate Species: 0.5 % Number of plots based on criteria: 30 Number of plots not included due to incomplete group header info (i.e. where Region, Zone, SubZone, SiteSeries, SiteSeriesSymbol, or StructuralStage is Null) or lack of vegetation data: 17 Total number of plots reported on: 13 End of Report. | | | | | |

December 9, 2003



Photo R1-25; Plot RG049

| SITE DESCRIPTION | | |
|--|--|-----------------------|
| Elevation | Mean 524 | Range 340 - 678 |
| Slope | 0 | 0 |
| Aspect 999 | Slope Position level - depression | Drainage very poor |
| Soil Texture fibric - humic | Coarse Fragment Content 0 | |
| Moisture Regime subhydric - hydric | Nutrient Regime oligotrophic - permesotrophic | |
| Terrain | | |
| fibric organic veneer over clayey silty morainal blanket; fibric, mesic, fibric mesic, fibric humic, mesic humic organic blanket; fibric mesic organic blanket plain; fibric organic plain | | |

Biogeoclimatic Ecosystem Classification

BWBSmw2
10

Map Unit(s) - Symbol and Name

TB Lt – Buckbean, typic

Comments

The Lt - Buckbean ecosystem is found on saturated organic landscapes typically with standing water. Sites exhibit considerable variation in soil moisture status, with many sites having a raised water table. Concomitantly some plant species show very high cover values related to water depth. These species include scrub birch, leatherleaf, sweet gale and sedges.



Prj: Sahtaneh, Zn: BWBS, SZ: mw2, SSe: 10

| BGC Unit / Site Series | Site Series Symbol Code | Site Series Symbol Description | Structural Stage Code | Structural Stage Description | Number of Plots |
|---|-------------------------|--|---|--|-----------------|
| BWBSmw2/10 | TB | L1 - Buckbean | 3 | Shrub / Herb (SH) | 7 |
| <u>Dominants:</u> scrub birch | | (Sphagnum sp.) | leatherleaf | | |
| <u>Associates:</u> tamarack willow Labrador tea | | black spruce three-leaved false Solomon's-seal | sweet gale water sedge | Sitka sedge glow moss | |
| | | | 3a | Low Shrub (LS) | 3 |
| <u>Dominants:</u> scrub birch | | sweet gale | tamarack | | |
| <u>Associates:</u> (Sphagnum sp.) water sedge hairlike sedge bog-rosemary great sundew | | willow three-leaved false Solomon's-seal golden fuzzy fen moss tufted clubmoss leatherleaf | black spruce Sitka sedge buckbean glow moss (Utricularia sp.) | sedge (Calliergon sp.) narrow-leaved cotton-grass bog cranberry | |
| | | | 3b | Tall Shrub (TS) | 2 |
| <u>Dominants:</u> scrub birch | | (Sphagnum sp.) | sweet gale | | |
| <u>Associates:</u> willow bluejoint red-stemmed feathermoss bog cranberry | | water sedge glow moss black spruce (Vaccinium vitis-idaea) | hairlike sedge tamarack Chamisso's cotton-grass | beaked sedge Labrador tea leatherleaf | |
| | | | 5 | Young Forest (YF) | 1 |
| <u>Dominants:</u> water sedge tamarack paper birch | | scrub birch glow moss three-leaved false Solomon's-seal | black spruce willow | (Sphagnum sp.) sedge | |
| <u>Associates:</u> mountain alder horsetail | | leatherleaf | Labrador tea | (POTEPAL) | |

Report Summary

Minimum Presence for Dominant Species: 75 %
 Minimum Mean Cover for Dominant Species: 5 %
 Minimum Presence for Associate Species: 20 %
 Minimum Mean Cover for Associate Species: 1 %

Number of plots based on criteria: 20
 Number of plots not included due to incomplete group header info (i.e. where Region, Zone, SubZone, SiteSeries, SiteSeriesSymbol, or StructuralStage is Null) or lack of vegetation data: 7
 Total number of plots reported on: 13

End of Report.

December 5, 2003



Photo R2-22; Plot RG072

| SITE DESCRIPTION | | |
|---|---|------------------------------------|
| Elevation | Mean 436 | Range 344 - 615 |
| Slope | 1.3 | 0 - 5 |
| Aspect 999, 160 | Slope Position level, lower slope | Drainage poor – moderately well |
| Soil Texture silt clay loam | Coarse Fragment Content <20% | |
| Moisture Regime mesic - hygric | Nutrient Regime mesotrophic - permesotrophic | |
| Terrain | | |
| humic organic thin veneer/veneer over clayey silty glaciolacustrine blanket; humic organic veneer over clayey silty morainal blanket; clayey silty morainal blanket | | |

Biogeoclimatic Ecosystem Classification

**BWBSmw2
00**

Map Unit(s) - Symbol and Name

AB Bebb’s willow – Mountain alder – Bluejoint swamp, typic
 ABc Bebb’s willow – Mountain alder – Bluejoint swamp, coarse-textured
 ABp Bebb’s willow – Mountain alder – Bluejoint swamp, peaty material
 ABw Bebb’s willow – Mountain alder – Bluejoint swamp, warm aspect

Comments

The typical AB unit develops on poorly drained clayey, silty morainal blanket material. It is found occasionally on thin organic veneer over clayey, silty morainal blanket (ABp). The unit is characterized by continuous, robust shrub cover of willows, mountain alder and highbush-cranberry. Willows may attain heights of more than 10m on these sites. Bluejoint is always present, often with relatively high cover values.

VENUS 4.2

VEGETATION MAPPING REPORT

1

Prj: Sahtaneh, Zn: BWBS, SZ: mw2, SSe: 00

| BGC Unit / Site Series | Site Series Symbol Code | Site Series Symbol Description | Structural Stage Code | Structural Stage Description | Number of Plots |
|--|-------------------------|--|--|---|-----------------|
| BWBSmw2/00 | AB | B. willow - M. alder - Bluejoint swamp | 3a | Low Shrub (LS) | 1 |
| <p><u>Dominants:</u> mountain alder (Plagiomnium sp.) (Calliergon sp.)</p> <p><u>Associates:</u> paper birch red raspberry</p> | | | | | |
| | | willow enchanter's-nightshade | bluejoint wood horsetail | spiny wood fern balsam poplar | |
| | | northern bedstraw tall bluebells | white spruce black gooseberry | common mitrewort | |
| | | | 3b | Tall Shrub (TS) | 3 |
| <p><u>Dominants:</u> willow</p> <p><u>Associates:</u> common mitrewort common horsetail prickly rose Sitka alder step moss western meadowrue trembling aspen (Ptilium crista-castrensis)</p> | | | | | |
| | | mountain alder | highbush-cranberry | bluejoint | |
| | | dwarf red raspberry paper birch white spruce black spruce (Plagiomnium sp.) red-stemmed feathermoss sedge | twinflower tall bluebells black gooseberry (Rhizomnium sp.) red-osier dogwood wild lily-of-the-valley baneberry | bunchberry northern blackcurrant sweet-scented bedstraw wood horsetail pink wintergreen balsam poplar red raspberry | |
| | LR | Leatherleaf - Bog rosemary - Sphagnum | 3a | Low Shrub (LS) | 5 |
| <p><u>Dominants:</u> (Sphagnum sp.)</p> <p><u>Associates:</u> black spruce cloudberry Chamisso's cotton-grass</p> | | | | | |
| | | leatherleaf | Labrador tea bog-rosemary | three-leaved false Solomon's-seal water sedge | |
| | | cotton-grass bog cranberry | | | |
| | | | 3b | Tall Shrub (TS) | 2 |
| <p><u>Dominants:</u> (Sphagnum sp.)</p> <p><u>Associates:</u> cloudberry sedge willow</p> | | | | | |
| | | Labrador tea | leatherleaf | black spruce | |
| | | bog-rosemary glow moss paper birch | three-leaved false Solomon's-seal (Vaccinium vitis-idaea) bog cranberry | water sedge (Polytrichum sp.) | |
| | SB | Sw - Currant - Bluebell | 3 | Shrub / Herb (SH) | 5 |
| <p><u>Dominants:</u> mountain alder common horsetail paper birch</p> <p><u>Associates:</u> fireweed wood horsetail red raspberry common mitrewort balsam poplar</p> | | | | | |
| | | prickly rose bunchberry | dwarf red raspberry white spruce | bluejoint willow | |
| | | northern blackcurrant trembling aspen tall bluebells bluegrass (Rhizomnium sp.) | glow moss large-leaved avens sweet-scented bedstraw American vetch | highbush-cranberry violet (Polytrichum sp.) creamy peavine | |
| | | | 4 | Pole / Sapling (PS) | 2 |
| <p><u>Dominants:</u> white spruce willow</p> <p><u>Associates:</u> northern bedstraw red-stemmed feathermoss (Vaccinium vitis-idaea)</p> | | | | | |
| | | bunchberry highbush-cranberry | step moss | prickly rose | |
| | | trembling aspen tall bluebells soopolallie | paper birch (Ptilium crista-castrensis) bluejoint | twinflower common horsetail | |
| | | | 5 | Young Forest (YF) | 1 |
| <p><u>Dominants:</u> white spruce</p> | | | | | |
| | | common horsetail | step moss | wood horsetail | |

Friday, February 13, 2004

VENUS 4.2

VEGETATION MAPPING REPORT

2

Prj: Sahtaneh, Zn: BWBS, SZ: mw2, SSe: 00

| BGC Unit / Site Series | Site Series Symbol Code | Site Series Symbol Description | Structural Stage Code | Structural Stage Description | Number of Plots |
|---|-------------------------|--|--|---|-----------------|
| BWBSmw2/00 | SB | | 5 | | (con't) |
| <u>Dominants (con't)</u> prickly rose (<i>Rhizomnium</i> sp.) | | sedge wild sarsaparilla | sweet coltsfoot | common mitrewort | |
| <u>Associates:</u> violet | | | | | |
| | | | 6 | Mature Forest (MF) | 4 |
| <u>Dominants:</u> white spruce dwarf red raspberry (<i>Ptilium crista-castrensis</i>) (<i>Rhizomnium</i> sp.) step moss willow | | highbush-cranberry prickly rose red-osier dogwood twinflower red-stemmed feathermoss tall bluebells | bunchberry trembling aspen common mitrewort wild sarsaparilla common horsetail sweet coltsfoot | mountain alder paper birch Sitka alder violet bluejoint | |
| <u>Associates:</u> oak fern balsam poplar sweet-scented bedstraw | | wood horsetail spiny wood fern | hancberry stiff clubmoss | soopolallie skunk currant | |
| | | | 7 | Old Forest (OF) | 1 |
| <u>Dominants:</u> step moss bunchberry stiff clubmoss paper birch Labrador tea | | white spruce common horsetail (<i>Vaccinium vitis-idaea</i>) common mitrewort fireweed | red-stemmed feathermoss (<i>Ptilium crista-castrensis</i>) dwarf red raspberry mountain alder willow | prickly rose highbush-cranberry twinflower one-sided wintergreen | |
| <u>Associates:</u> (none) | | | | | |
| | SS | | 2b | Graminoid-dominated (GR) | 5 |
| <u>Dominants:</u> water sedge willow | | bluejoint sedge | scrub birch (POTEPAL) | (<i>Calliergon</i> sp.) | |
| <u>Associates:</u> Sitka sedge leatherleaf narrow-leaved cotton-grass | | (<i>Sphagnum</i> sp.) grey sedge three-leaved false Solomon's-scal | glow moss (<i>Plagiomnium</i> sp.) (<i>Drepanocladus</i> sp.) | beaked sedge black spruce bog cranberry | |
| | WB | | 2b | Graminoid-dominated (GR) | 4 |
| <u>Dominants:</u> bluejoint | | willow | sedge | mountain alder | |
| <u>Associates:</u> Sitka sedge tall larkspur | | tall bluebells red raspberry | beaked sedge | large-leaved avens | |
| | | | 3a | Low Shrub (LS) | 2 |
| <u>Dominants:</u> willow common horsetail (<i>Potentilla</i> sp.) | | water sedge glow moss (<i>Artemisia</i> sp.) | mountain alder beaked sedge | bluejoint (<i>Sphagnum</i> sp.) | |
| <u>Associates:</u> yarrow bog-rosemary | | white spruce | tamarack | prickly rose | |
| | | | 3b | Tall Shrub (TS) | 1 |
| <u>Dominants:</u> sedge mountain alder | | willow (POTEPAL) | glow moss tamarack | scrub birch | |
| <u>Associates:</u> black spruce | | | | | |
| Report Summary | | | | | |
| Minimum Presence for Dominant Species: 40 % | | | | | |
| Minimum Mean Cover for Dominant Species: 1 % | | | | | |
| Minimum Presence for Associate Species: 20 % | | | | | |

December 9, 2003



Photo R2-09; Plot RG058

SITE DESCRIPTION

| | Mean | Range |
|-----------------|-------------------------|------------------|
| Elevation | 430 | 368 - 538 |
| Slope | 0 | 0 |
| Aspect | Slope Position | Drainage |
| | 999 | level |
| | | very poor - poor |
| Soil Texture | Coarse Fragment Content | |
| fibric - mesic | 0 | |
| Moisture Regime | Nutrient Regime | |
| hygric - hydric | oligotrophic | |
| Terrain | | |

fibric mesic organic blanket/veneer; fibric organic blanket/plain; fibric organic plain; fibric mesic organic veneer/blanket over clayey silty morainal blanket

Biogeoclimatic Ecosystem Classification

**BWBSmw2
00**

Map Unit(s) - Symbol and Name

LR Leatherleaf – Bog-rosemary - Sphagnum typic

Comments

The Leatherleaf – Bog-rosemary - Sphagnum unit always occurs on poor, wet, deep organic soil. It most often occurs within a matrix of the BS unit. Sites are dominated by the shrubs of leatherleaf, low black spruce and Labrador tea. Herbs are patchy, with low cover values; a thick Sphagnum moss layer is always present.



Photo R2-01; Plot RG052

SITE DESCRIPTION

| | Mean | Range |
|-------------------------|-------------------|---------------------------------|
| Elevation | 399 | 306 - 470 |
| Slope | 2.1 | 0 - 12 |
| Aspect | 999, 45 - 280 | |
| Slope Position | level to midslope | |
| Drainage | | poor - well |
| Soil Texture | sand - silt clay | |
| Coarse Fragment Content | | 0 - 35% |
| Moisture Regime | mesic - hygric | |
| Nutrient Regime | | submesotrophic - permesotrophic |

Terrain

silty clayey glaciolacustrine blanket; sandy fluvial veneer over silty sandy fluvial terrace; silty sandy fluvial blanket terrace; clayey silty morainal blanket; clayey silty morainal blanket rolling; humic organic veneer over clayey silty morainal blanket; humic organic veneer

Biogeoclimatic Ecosystem Classification

**BWBSmw2
00**

Map Unit(s) - Symbol and Name

- SB Sw - Curreant - Bluebell, typic
- SBc Sw - Curreant - Bluebell, coarse-textured soil
- SBct Sw - Curreant - Bluebell, coarse-textured soil terrace
- SBf Sw - Curreant - Bluebell, fine-textured soil
- SBfk Sw - Curreant - Bluebell, fine-textured soil cool aspect
- SBfw Sw - Curreant - Bluebell, fine-textured soil warm aspect
- SBw Sw - Curreant - Bluebell, warm aspect

Comments

The Sw - Curreant - Bluebell site series occurs on sites moister than mesic, but not wet enough to be true horsetail sites (BB). Productivity of white spruce and trembling aspen is relatively high on these sites; shrubs and herbs are similar to those on mesic sites, with the added occurrence of common mitrewort, tall bluebells and wood horsetail.



Photo R2-10; Plot RG060

SITE DESCRIPTION

| | | |
|-----------|-------------------------------|---------------------------------|
| | Mean | Range |
| Elevation | 511 | 402 - 665 |
| Slope | 1.6 | 0 - 6 |
| Aspect | 999, 130-230 | Slope Position |
| | | level |
| | | Drainage |
| | | very poor – moderately well |
| | Soil Texture | Coarse Fragment Content |
| | mesic – humic, silt clay loam | <20% |
| | Moisture Regime | Nutrient Regime |
| | subhygric - hydric | submesotrophic - permesotrophic |
| | Terrain | |

humic, fibric mesic organic blanket; humic organic veneer over clayey silty lacustrine blanket; clayey silty fluvial blanket fan

Biogeoclimatic Ecosystem Classification

**BWBSmw2
00**

Map Unit(s) - Symbol and Name

SS Scrub birch – Willow – Water sedge fen, typic
SSp Scrub birch – Willow – Water sedge fen, peaty material

Comments

These fen units are usually small wetlands with some standing water. Typic units occur on fine-textured moraine; organic veneers and blankets are also common (SSp). The fen unit is dominated by continuous cover of sedges and / or bluejoint. Shrubs usually are present with less than 10% cover.



Photo R1-15; Plot RG037

SITE DESCRIPTION

| | | |
|-----------------------|-------------------------|-----------------------|
| | Mean | Range |
| Elevation | 433 | 368 - 480 |
| Slope | 0 | 0 |
| Aspect | Slope Position | Drainage |
| 999 | level | very poor - imperfect |
| Soil Texture | Coarse Fragment Content | |
| silt loam – clay loam | <20% | |
| Moisture Regime | Nutrient Regime | |
| hygric - subhygric | mesic - permesotrophic | |
| Terrain | | |

sandy silty fluvial active terrace; sandy silty fluvial active plain; clayey silty fluvial active blanket/plain; silty clayey glaciolacustrine blanket/plain; humic organic veneer over clayey silty morainal blanket; mesic organic veneer terrace over sandy silty fluvial blanket meandering channel

Biogeoclimatic Ecosystem Classification

**BWBSmw2
00**

Map Unit(s) - Symbol and Name

WB Drummond's willow – Bluejoint low bench / swamp, typic
WBp Drummond's willow – Bluejoint low bench / swamp, peaty material

Comments

These low bench / swamp units are typical of old beaver dammed areas, throughout the study area. Typic sites are on sandy, silty fluvial deposits, while peaty units occur on humic and mesic organic veneers. Drainage is always poor. Vegetation on these sites is highly variable in response to water depth and position in the upland to standing water gradient.

5. GLOSSARY

| | |
|----------------------------|---|
| bog | a wetland dominated by acid-loving plants and peat moss where the main source of water is from precipitation. |
| blanket | a mantle of unconsolidated materials thick enough to mask minor irregularities of the surface, but still conforming to underlying topography; greater than 1 metre thick. |
| Brunisolic Gray Luvisol | a luvisolic soil (clay enriched B horizon) that has a weak mineral soil horizon (Bm) on the surface. |
| Cumulic Regosol | a soil lacking development, which forms through periodic repeated inundation as evidenced by buried thin humus layers. |
| colian | material transported and deposited by wind. |
| Eluviated Dystric Brunisol | an acidic soil, lacking a well-developed mineral-organic surface horizon, having a strongly leached A horizon. |
| fan | a relatively smooth segment of a cone with a slope gradient of up to 26%. |
| fen | a wetland dominated by sedges and grasses where the main source of water is through-flowing (groundwater). |
| Fibric Humisol | a humic (well decomposed) organic soil with a subdominant fibric (poorly decomposed) layer. |
| Fibric Organic Cryosol | A cryosolic soil (discontinuous or continuous permafrost) with a predominantly fibric organic layer. |
| fluvial | materials transported and deposited by streams and rivers. |
| glaciofluvial | materials that exhibit clear evidence of having been deposited by glacial meltwater streams. |
| Gleyed Gray Luvisol | a luvisolic soil with gleying as evidenced by mottling in the B and C horizons. |
| Humic Gleysol | gleyed soils (subject to fluctuating water tables as evidenced by strong mottling in the soil profile) with humus enriched A horizon. |

| | |
|-------------------------|--|
| Humic Organic Cryosol | a cryosolic soil (discontinuous or continuous permafrost) with a predominantly humic organic layer. |
| lacustrine | sediments that have settled from suspension, in bodies of standing fresh water. |
| Mesic Fibrisol | a fibric (poorly decomposed) organic soil with a subdominant mesic layer (moderately decomposed) layer. |
| Mesic Humisol | a humic (well decomposed) organic soil with a subdominant mesic layer (moderately decomposed). |
| Mesic Organic Cryosol | a cryosolic soil (discontinuous or continuous permafrost) with a predominantly mesic organic makeup. |
| Moder | humus form having F and H (humus horizons which have been fragmented through faunal activity). |
| Mor | humus form having the least level of decomposition dominated by a F horizon (fermented). |
| morainal | material deposited directly by glacier ice without modification by any other agent of transportation. |
| organic | sediments composed largely of organic materials resulting from the accumulation of vegetative matter. |
| Orthic Dystric Brunisol | acidic soils lacking a well-developed mineral organic surface horizon. |
| Orthic Gray Luvisol | a soil usually derived from fine-textured parent material, with a clay-enriched B horizon. |
| Orthic Regosol | a soil lacking development, with no horizon differentiation in the soil profile. |
| plain | a level or very gentle sloping, unidirectional surface. |
| Rego Gleysol | a gleysolic soil lacking a B horizon at least 10cm thick. |
| terrace | a single or assemblage of step-like form(s) where each step-like form consists of a scarp face and a horizontal or gently inclined surface above it. |

| | |
|-----------------------|---|
| Terric Fibrisol | a fibric organic soil with at least 60cm of organic material over mineral soil. |
| Terric Humic Fibrisol | a fibric organic soil having at least 60cm of organic matter (of which at least 12cm is humic) over mineral soil. |
| Terric Mesisol | a moderately well decomposed organic soil with mineral soil contact within 40 cm of the soil surface. |
| Typic Humisol | organic soils having the most advanced stage of decomposition. |
| Typic Fibrisol | organic soils having the least level of decomposition. |
| Typic Mesisol | organic soils having a moderate level of decomposition. |
| veneer | a mantle of unconsolidated materials too thin to mask minor irregularities of the surface of the underlying material; thickness ranges from 10 cm to 1 metre. |

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APPENDIX A
Plant Species List

Tree layer

| Latin Name | Common Name |
|--------------------------------|---------------------------|
| <i>Abies lasiocarpa</i> | subalpine fir |
| <i>Betula papyrifera</i> | paper birch |
| <i>Larix laricina</i> | tamarack |
| <i>Picea glauca</i> | white spruce |
| <i>Picea mariana</i> | black spruce lodgepole |
| <i>Pinus contorta</i> | pine |
| <i>Populus balsamifera</i> | balsam poplar |
| <i>Populus tremuloides</i> | trembling aspen |
| <i>Salix sp.</i> | willow |

Shrub layer

| Latin Name | Common Name |
|-------------------------------------|-----------------------------|
| <i>Abies lasiocarpa</i> | subalpine fir |
| <i>Abies sp.</i> | fir |
| <i>Alnus incana</i> | mountain alder |
| <i>Alnus incana ssp. tenuifolia</i> | mountain alder |
| <i>Alnus viridis ssp. sinuata</i> | Sitka alder |
| <i>Amelanchier alnifolia</i> | saskatoon |
| <i>Betula nana</i> | scrub birch |
| <i>Betula papyrifera</i> | paper birch |
| <i>Chamaedaphne calyculata</i> | leatherleaf |
| <i>Cornus stolonifera</i> | red-osier dogwood |
| <i>Juniperus communis</i> | common juniper |
| <i>Larix laricina</i> | tamarack |
| <i>Ledum groenlandicum</i> | Labrador tea |
| <i>Lonicera ciliosa</i> | western trumpet honeysuckle |
| <i>Lonicera dioica</i> | glaucous-leaved honeysuckle |
| <i>Myrica gale</i> | sweet gale |
| <i>Picea engelmannii x glauca</i> | hybrid white spruce |
| <i>Picea glauca</i> | white spruce |
| <i>Picea mariana</i> | black spruce |
| <i>Pinus contorta</i> | lodgepole pine |
| <i>Populus balsamifera</i> | balsam poplar |
| <i>Populus tremuloides</i> | trembling aspen |
| <i>Potentilla fruticosa</i> | shrubby cinquefoil |
| <i>Ribes glandulosum</i> | skunk currant |
| <i>Ribes hudsonianum</i> | northern blackcurrant |
| <i>Ribes lacustre</i> | black gooseberry |
| <i>Ribes oxycanthoides</i> | northern gooseberry |
| <i>Ribes sp.</i> | currant or gooseberry |
| <i>Ribes triste</i> | red swamp currant |
| <i>Rosa acicularis</i> | prickly rose |
| <i>Rubus idaeus</i> | red raspberry |
| <i>Rubus parviflorus</i> | thimbleberry |
| <i>Salix sp.</i> | willow |
| <i>Shepherdia canadensis</i> | soopolallie |
| <i>Viburnum edule</i> | highbush-cranberry |

Herb Layer

| Latin Name | Common Name |
|---|----------------------------|
| <i>Achillea millefolium</i> | yarrow |
| <i>Actaea rubra</i> | baneberry |
| <i>Andromeda polifolia</i> | bog-rosemary |
| <i>Aralia nudicaulis</i> | wild sarsaparilla |
| <i>Arctostaphylos alpina</i> var. <i>rubra</i> | red bearberry |
| <i>Arctostaphylos uva-ursi</i> | kinnikinnick |
| <i>Artemisia</i> sp. | artemisia |
| <i>Aster ciliolatus</i> | Lindley's aster |
| <i>Aster</i> sp. | aster |
| <i>Bromus</i> sp. | brome |
| <i>Calamagrostis canadensis</i> | bluejoint |
| <i>Carex aquatilis</i> | water sedge |
| <i>Carex canescens</i> | grey sedge |
| <i>Carex capillaris</i> | hairlike sedge |
| <i>Carex disperma</i> | soft-leaved sedge |
| <i>Carex sitchensis</i> | Sitka sedge |
| <i>Carex utriculata</i> | beaked sedge |
| <i>Carex</i> sp. | sedge |
| <i>Circaea alpina</i> | enchanter's-nightshade |
| <i>Cornus canadensis</i> | bunchberry |
| <i>Delphinium glaucum</i> | tall larkspur |
| <i>Drosera anglica</i> | great sundew |
| <i>Drosera rotundifolia</i> | round-leaved sundew |
| <i>Dryopteris expansa</i> | spiny wood fern |
| <i>Elymus glaucus</i> | blue wildrye |
| <i>Empetrum nigrum</i> | crowberry |
| <i>Epilobium angustifolium</i> | fireweed |
| <i>Epilobium</i> sp. | willowherb |
| <i>Equisetum arvense</i> | common horsetail |
| <i>Equisetum fluviatile</i> | swamp horsetail |
| <i>Equisetum hyemale</i> | scouring-rush |
| <i>Equisetum scirpoides</i> | dwarf scouring-rush |
| <i>Equisetum</i> sp. | horsetail |
| <i>Equisetum sylvaticum</i> | wood horsetail |
| <i>Erigeron philadelphicus</i> | Philadelphia fleabane |
| <i>Eriophorum angustifolium</i> | narrow-leaved cotton-grass |
| <i>Eriophorum chamissonis</i> | Chamisso's cotton-grass |
| <i>Eriophorum</i> sp. | cotton-grass |
| <i>Fragaria vesca</i> | wood strawberry |
| <i>Fragaria virginiana</i> | wild strawberry |
| <i>Fragaria virginiana</i> ssp. <i>glauca</i> | wild strawberry |

| | |
|---|-----------------------------------|
| <i>Galium boreale</i> | northern bedstraw |
| <i>Galium triflorum</i> | sweet-scented bedstraw |
| <i>Geocaulon lividum</i> | bastard toad-flax |
| <i>Geum macrophyllum</i> | large-leaved avens |
| <i>Gymnocarpium dryopteris</i> | oak fern |
| <i>Lathyrus ochroleucus</i> | creamy peavine |
| <i>Linnaea borealis</i> | twinflower |
| <i>Listera cordata</i> | heart-leaved twayblade |
| <i>Lycopodium annotinum</i> | stiff clubmoss |
| <i>Lycopodium complanatum</i> | ground-cedar |
| <i>Maianthemum canadense</i> | wild lily-of-the-valley |
| <i>Maianthemum dilatatum</i> | false lily-of-the-valley |
| <i>Menyanthes trifoliata</i> | buckbean |
| <i>Mertensia sp.</i> | bluebells |
| <i>Mertensia paniculata</i> | tall bluebells |
| <i>Mitella sp.</i> | mitrewort |
| <i>Mitella nuda</i> | common mitrewort |
| <i>Moneses uniflora</i> | single delight |
| <i>Orthilia secunda</i> | one-sided wintergreen |
| <i>Oryzopsis pungens</i> | short-awned ricegrass |
| <i>Oxycoccus oxycoccus</i> | bog cranberry |
| <i>Pedicularis sp.</i> | lousewort |
| <i>Pedicularis groenlandica</i> | elephant's-head lousewort |
| <i>Pedicularis labradorica</i> | Labrador lousewort |
| <i>Penstemon fruticosus</i> | shrubby penstemon |
| <i>Petasites frigidus var. palmatus</i> | palmate-leaved coltsfoot |
| <i>Petasites sagittatus</i> | arrow-leaved coltsfoot |
| <i>Platanthera sp.</i> | orchid |
| <i>Platanthera orbiculata</i> | large round-leaved rein orchid |
| <i>Poa sp.</i> | bluegrass |
| <i>Polygonum sp.</i> | polygonum |
| <i>Potentilla norvegica</i> | Norwegian cinquefoil |
| <i>Potentilla palustris</i> | marsh cinquefoil |
| <i>Potentilla sp.</i> | cinquefoil |
| <i>Pyrola asarifolia</i> | pink wintergreen |
| <i>Pyrola chlorantha</i> | green wintergreen |
| <i>Pyrola grandiflora</i> | arctic wintergreen |
| <i>Pyrola sp.</i> | wintergreen |
| <i>Ranunculus gmelinii</i> | small yellow water-buttercup |
| <i>Rubus chamaemorus</i> | cloudberry |
| <i>Rubus pubescens</i> | trailing raspberry |
| <i>Scirpus microcarpus</i> | small-flowered bulrush |
| <i>Smilacina trifolia</i> | three-leaved false Solomon's-seal |
| <i>Taraxacum officinale</i> | common dandelion |

| | |
|---|---------------------|
| <i>Thalictrum sp.</i> | meadowrue |
| <i>Thalictrum occidentale</i> | western meadowrue |
| <i>Torreyochloa pauciflora</i> | weak false-manna |
| <i>Trichophorum cespitosum</i> | tufted clubrush |
| | |
| <i>Trientalis europaea ssp. arctica</i> | northern starflower |
| <i>Urtica dioica</i> | stinging nettle |
| <i>Vaccinium caespitosum</i> | dwarf blueberry |
| <i>Vaccinium vitis-idaea</i> | lingonberry |
| <i>Vicia sp.</i> | vetch |
| <i>Vicia americana</i> | American vetch |
| <i>Viola sp.</i> | violet |

Bryophyte layer

| Latin Name | Common Name |
|---|---------------------------------------|
| <i>Aulacomnium palustre</i> | glow moss |
| <i>Brachythecium sp.</i> | ragged moss |
| <i>Calliergon sp.</i> | calliergon |
| <i>Cetraria sp.</i> | icelandmoss lichens green reindeer |
| <i>Cladina mitis</i> | lichen |
| <i>Cladonia multiformis</i> | slotted pixie-cup |
| <i>Cladonia sp.</i> | cladonia |
| <i>Cladina rangiferina</i> | grey reindeer lichen |
| <i>Dicranum sp.</i> | dicranum |
| <i>Dicranum scoparium</i> | broom moss |
| <i>Drepanocladus sp.</i> | drepanocladus |
| <i>Hylocomium splendens</i> | step moss |
| <i>Peltigera aphthosa</i> | freckle pelt |
| <i>Peltigera sp.</i> | pelt lichens |
| <i>Plagiomnium sp.</i> | leafy moss red-stemmed |
| <i>Pleurozium schreberi</i> | feathermoss |
| <i>Polytrichum sp.</i> | haircap moss |
| <i>Ptilium crista-</i> <i>castrensis</i> | knight's plume |
| <i>Rhizomnium sp.</i> | leafy moss |
| <i>Sphagnum sp.</i> | sphagnum moss |
| <i>Stereocaulon sp.</i> | stereocaulon golden fuzzy fen |
| <i>Tomentypnum nitens</i> | moss |

Tree layer

Common Name Latin Name

| | |
|---------------|--------------------------|
| | <i>Populus</i> |
| balsam poplar | <i>balsamifera</i> |
| black spruce | <i>Picea mariana</i> |
| lodgepole | |
| pine | <i>Pinus contorta</i> |
| paper birch | <i>Betula papyrifera</i> |
| subalpine fir | <i>Abies lasiocarpa</i> |
| tamarack | <i>Larix laricina</i> |
| trembling | <i>Populus</i> |
| aspen | <i>tremuloides</i> |
| white spruce | <i>Picea glauca</i> |
| willow | <i>Salix sp.</i> |

Shrub layer

| Common Name | Latin Name |
|-----------------------------|-------------------------------------|
| balsam poplar | <i>Populus balsamifera</i> |
| black gooseberry | <i>Ribes lacustre</i> |
| black spruce | <i>Picea mariana</i> |
| common juniper | <i>Juniperus communis</i> |
| currant or gooseberry | <i>Ribes sp.</i> |
| fir | <i>Abies sp.</i> |
| glaucous-leaved honeysuckle | <i>Lonicera dioica</i> |
| highbush-cranberry | <i>Viburnum edule</i> |
| hybrid white spruce | <i>Picea engelmannii x glauca</i> |
| Labrador tea | <i>Ledum groenlandicum</i> |
| leatherleaf | <i>Chamaedaphne calyculata</i> |
| lodgepole pine | <i>Pinus contorta</i> |
| mountain alder | <i>Alnus incana</i> |
| mountain alder | <i>Alnus incana ssp. tenuifolia</i> |
| northern blackcurrant | <i>Ribes hudsonianum</i> |
| northern gooseberry | <i>Ribes oxycanthoides</i> |
| paper birch | <i>Betula papyrifera</i> |
| prickly rose | <i>Rosa acicularis</i> |
| red raspberry | <i>Rubus idaeus</i> |
| red swamp currant | <i>Ribes triste</i> |
| red-osier dogwood | <i>Cornus stolonifera</i> |
| saskatoon | <i>Amelanchier alnifolia</i> |
| scrub birch | <i>Betula nana</i> |
| shrubby cinquefoil | <i>Potentilla fruticosa</i> |
| Sitka alder | <i>Alnus viridis ssp. sinuata</i> |
| skunk currant | <i>Ribes glandulosum</i> |
| soopolallie | <i>Shepherdia canadensis</i> |
| subalpine fir | <i>Abies lasiocarpa</i> |
| sweet gale | <i>Myrica gale</i> |
| tamarack | <i>Larix laricina</i> |
| thimbleberry | <i>Rubus parviflorus</i> |
| trembling aspen | <i>Populus tremuloides</i> |
| western trumpet honeysuckle | <i>Lonicera ciliosa</i> |
| white spruce | <i>Picea glauca</i> |
| willow | <i>Salix sp.</i> |

Herb Layer

| Common Name | Latin Name |
|--------------------------------|---------------------------------|
| American vetch | <i>Vicia americana</i> |
| arctic wintergreen | <i>Pyrola grandiflora</i> |
| arrow-leaved coltsfoot | <i>Petasites sagittatus</i> |
| artemisia | <i>Artemisia sp.</i> |
| aster | <i>Aster sp.</i> |
| baneberry | <i>Actaea rubra</i> |
| bastard toad-flax | <i>Geocaulon lividum</i> |
| beaked sedge | <i>Carex utriculata</i> |
| blue wildrye | <i>Elymus glaucus</i> |
| bluebells | <i>Mertensia sp.</i> |
| bluegrass | <i>Poa sp.</i> |
| bluejoint | <i>Calamagrostis canadensis</i> |
| bog cranberry | <i>Oxycoccus oxycoccus</i> |
| bog-rosemary | <i>Andromeda polifolia</i> |
| brome | <i>Bromus sp.</i> |
| buckbean | <i>Menyanthes trifoliata</i> |
| bunchberry | <i>Cornus canadensis</i> |
| Chamisso's cotton-grass | <i>Eriophorum chamissonis</i> |
| cinquefoil | <i>Potentilla sp.</i> |
| cloudberry | <i>Rubus chamaemorus</i> |
| common dandelion | <i>Taraxacum officinale</i> |
| common horsetail | <i>Equisetum arvense</i> |
| common mitrewort | <i>Mitella nuda</i> |
| cotton-grass | <i>Eriophorum sp.</i> |
| creamy peavine | <i>Lathyrus ochroleucus</i> |
| crowberry | <i>Empetrum nigrum</i> |
| dwarf blueberry | <i>Vaccinium caespitosum</i> |
| dwarf scouring-rush | <i>Equisetum scirpoides</i> |
| elephant's-head lousewort | <i>Pedicularis groenlandica</i> |
| enchanter's-nightshade | <i>Circaea alpina</i> |
| false lily-of-the-valley | <i>Maianthemum dilatatum</i> |
| fireweed | <i>Epilobium angustifolium</i> |
| great sundew | <i>Drosera anglica</i> |
| green wintergreen | <i>Pyrola chlorantha</i> |
| grey sedge | <i>Carex canescens</i> |
| ground-cedar | <i>Lycopodium complanatum</i> |
| hairlike sedge | <i>Carex capillaris</i> |
| heart-leaved twayblade | <i>Listera cordata</i> |
| horsetail | <i>Equisetum sp.</i> |
| kinnikinnick | <i>Arctostaphylos uva-ursi</i> |
| Labrador lousewort | <i>Pedicularis labradorica</i> |
| large round-leaved rein orchid | <i>Platanthera orbiculata</i> |

| | |
|----------------------------|-----------------------------------|
| large-leaved avens | <i>Geum macrophyllum</i> |
| Lindley's aster | <i>Aster ciliolatus</i> |
| lingonberry | <i>Vaccinium vitis-idaea</i> |
| lousewort | <i>Pedicularis sp.</i> |
| marsh cinquefoil | <i>Potentilla palustris</i> |
| meadowrue | <i>Thalictrum sp.</i> |
| mitrewort | <i>Mitella sp.</i> |
| narrow-leaved cotton-grass | <i>Eriophorum angustifolium</i> |
| northern bedstraw | <i>Galium boreale</i> |
| | <i>Trientalis europaea ssp.</i> |
| | <i>arctica</i> |
| northern starflower | <i>Potentilla norvegica</i> |
| Norwegian cinquefoil | <i>Gymnocarpium dryopteris</i> |
| oak fern | <i>Orthilia secunda</i> |
| one-sided wintergreen | <i>Platanthera sp.</i> |
| orchid | <i>Petasites frigidus var.</i> |
| | <i>palmatus</i> |
| palmate-leaved coltsfoot | <i>Erigeron philadelphicus</i> |
| Philadelphia fleabane | <i>Pyrola asarifolia</i> |
| pink wintergreen | <i>Polygonum sp.</i> |
| polygonum | <i>Arctostaphylos alpina var.</i> |
| | <i>rubra</i> |
| red bearberry | <i>Drosera rotundifolia</i> |
| round-leaved sundew | <i>Equisetum hyemale</i> |
| scouring-rush | <i>Carex sp.</i> |
| sedge | <i>Oryzopsis pungens</i> |
| short-awned ricegrass | <i>Penstemon fruticosus</i> |
| shrubby penstemon | <i>Moneses uniflora</i> |
| single delight | <i>Carex sitchensis</i> |
| Sitka sedge | <i>Ranunculus gmelinii</i> |
| small yellow water- | <i>Scirpus microcarpus</i> |
| buttercup | <i>Carex disperma</i> |
| small-flowered bulrush | <i>Dryopteris expansa</i> |
| soft-leaved sedge | <i>Lycopodium annotinum</i> |
| spiny wood fern | <i>Urtica dioica</i> |
| stiff clubmoss | <i>Equisetum fluviatile</i> |
| stinging nettle | <i>Galium triflorum</i> |
| swamp horsetail | <i>Mertensia paniculata</i> |
| sweet-scented bedstraw | <i>Delphinium glaucum</i> |
| tall bluebells | <i>Smilacina trifolia</i> |
| tall larkspur | <i>Rubus pubescens</i> |
| three-leaved false | <i>Trichophorum cespitosum</i> |
| Solomon's-seal | <i>Linnaea borealis</i> |
| trailing raspberry | <i>Vicia sp.</i> |
| tufted clubrush | <i>Viola sp.</i> |
| twinflower | <i>Carex aquatilis</i> |
| vetch | <i>Torreyochloa pauciflora</i> |
| violet | |
| water sedge | |
| weak false-manna | |

| | |
|-------------------------|---------------------------------|
| western meadowrue | <i>Thalictrum occidentale</i> |
| wild lily-of-the-valley | <i>Maianthemum canadense</i> |
| wild sarsaparilla | <i>Aralia nudicaulis</i> |
| wild strawberry | <i>Fragaria virginiana</i> |
| | |
| wild strawberry | <i>Fragaria virginiana ssp.</i> |
| willowherb | <i>glauca</i> |
| wintergreen | <i>Epilobium sp.</i> |
| wood horsetail | <i>Pyrola sp.</i> |
| wood strawberry | <i>Equisetum sylvaticum</i> |
| yarrow | <i>Fragaria vesca</i> |
| | <i>Achillea millefolium</i> |

Bryophyte layer

| Common Name | Latin Name |
|-------------------------|----------------------------------|
| broom moss | <i>Dicranum scoparium</i> |
| calliargon | <i>Calliargon sp.</i> |
| cladonia | <i>Cladonia sp.</i> |
| dicranum | <i>Dicranum sp.</i> |
| drepanocladus | <i>Drepanocladus sp.</i> |
| freckle pelt | <i>Peltigera apthosa</i> |
| glow moss | <i>Aulacomnium palustre</i> |
| golden fuzzy fen moss | <i>Tomentypnum nitens</i> |
| green reindeer lichen | <i>Cladina mitis</i> |
| grey reindeer lichen | <i>Cladina rangiferina</i> |
| haircap moss | <i>Polytrichum sp.</i> |
| icelandmoss lichens | <i>Cetraria sp.</i> |
| knight's plume | <i>Ptilium crista-castrensis</i> |
| leafy moss | <i>Plagiomnium sp.</i> |
| leafy moss | <i>Rhizomnium sp.</i> |
| pelt lichens | <i>Peltigera sp.</i> |
| ragged moss | <i>Brachythecium sp.</i> |
| red-stemmed feathermoss | <i>Pleurozium schreberi</i> |
| slotted pixie-cup | <i>Cladonia multiformis</i> |
| sphagnum moss | <i>Sphagnum sp.</i> |
| step moss | <i>Hylocomium splendens</i> |
| stereocaulon | <i>Stereocaulon sp.</i> |

APPENDIX B

Vegetation Data Synthesis Tables (Appendix Formatting is not Preserved from Original Excel Format)

BWBSmw2
01 AM
SwAt - Step moss
22 Plots

Plot Number and Structural Stage

| Layer | Latin Name | Mean | | Plot Number and Structural Stage | | | | | | | | | | | | | | | |
|----------|----------------------------------|------------|------------|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | | Presence | Cover | CG05 | CG06 | CG36 | CG41 | CG55 | CG57 | CG76 | RG005 | CG30 | CG18 | CG11 | CG52 | RG039 | RG041 | RG054 | |
| A | Abies lasiocarpa | 5 | 0.1 | | | | | | | | | | | 3 | | | | | |
| A | Betula papyrifera | 23 | 2.2 | | | | | 15 | | | 5 | | | 25 | | | 1 | | |
| A | Larix laricina | 5 | 0.1 | | | | | 3 | | | | | | | | | | | |
| A | Picea glauca | 73 | 24.5 | | | 30 | 30 | 20 | 5 | 60 | 50 | | 20 | 10 | | | 60 | | |
| A | Picea mariana | 9 | 1.8 | | | | | 5 | | | | | | | | | | | |
| A | Pinus contorta | 18 | 5.1 | | | | | 2 | 15 | 35 | | | | | | | | 60 | |
| A | Populus balsamifera | 23 | 0.8 | | | | | | | | | | 3 | 5 | 1 | | | | |
| A | Populus tremuloides | 45 | 9.9 | | | | | | | | | 5 | 50 | 2 | 55 | 65 | | | |
| A | Layer Total | 100 | 5.6 | 0 | 0 | 0 | 30 | 45 | 35 | 35 | 60 | 50 | 50 | 45 | 60 | 65 | 60 | 60 | |
| B | Abies lasiocarpa | 5 | 0.1 | | | | | | | | | | | 3 | | | | | |
| B | Abies sp. | 5 | 0.0 | | | | | | | | | | | | | | 0.5 | | |
| B | Alnus incana ssp. tenuifolia | 9 | 0.5 | | | | | | | 10 | | | 2 | | | | | | |
| B | Alnus viridis | 9 | 2.7 | | | | | | | | | 25 | | | | | | | |
| B | Alnus viridis ssp. crispa | 5 | 0.1 | | 2 | | | | | | | | | | | | | | |
| B | Alnus viridis ssp. sinuata | 18 | 1.7 | | | | | | | | | | | | | | 0.5 | | |
| B | Amelanchier alnifolia | 5 | 0.0 | | | | | | | | | | | | 1 | | | | |
| B | Betula papyrifera | 23 | 0.7 | | | | | 5 | | 3 | 5 | | | | | | | 0.5 | |
| B | Ledum groenlandicum | 32 | 0.6 | | | | 1 | | 5 | 5 | | | | 0.2 | 1 | | | 0.5 | |
| B | Lonicera dioica | 5 | 0.1 | | 2 | | | | | | | | | | | | | | |
| B | Picea glauca | 91 | 11.5 | | 10 | 3 | 35 | 15 | 15 | 20 | 25 | 15 | 2 | 15 | 12 | 5 | 20 | | |
| B | Picea mariana | 27 | 3.0 | | | | 10 | | 5 | 5 | | | | 2 | | | | 25 | |
| B | Pinus contorta | 5 | 0.2 | | | | | | | | | | | | | | | 5 | |
| B | Populus balsamifera | 14 | 0.5 | | | | | | | 2 | | | | | | | | | |
| B | Populus tremuloides | 41 | 3.0 | 5 | 5 | 25 | | | 10 | | | | | | | 10 | | | |
| B | Ribes oxycanthoides | 5 | 0.0 | | 1 | | | | | | | | | | | | | | |
| B | Ribes triste | 9 | 0.1 | | | | | 1 | | | | | | | | | | | |
| B | Rosa acicularis | 100 | 9.9 | 5 | 15 | 15 | 5 | 15 | 5 | 10 | 2 | 20 | 20 | 10 | 10 | 7 | 1 | 5 | |
| B | Rubus idaeus | 5 | 0.1 | | 3 | | | | | | | | | | | | | | |
| B | Salix sp. | 59 | 2.4 | 2 | | | 5 | 10 | 5 | 2 | 1 | | 10 | | | 1 | 4 | 3 | |
| B | Shepherdia canadensis | 45 | 5.5 | 2 | | | 1 | 30 | 10 | 3 | | | | 25 | 30 | | | 3 | |
| B | Viburnum edule | 86 | 7.1 | 7 | 5 | 30 | 5 | 2 | 10 | 2 | 3 | | 10 | 5 | 5 | | 1 | 10 | |
| B | Layer Total | 100 | 2.3 | 19 | 35 | 65 | 25 | 65 | 60 | 40 | 40 | 35 | 60 | 30 | 50 | 50 | 25 | 45 | |
| C | Achillea millefolium | 9 | 0.1 | 1 | | | | | 0.1 | | | | | | | | | | |
| C | Aralia nudicaulis | 9 | 0.5 | | | | | | | | | | | | | | | | |
| C | Arctostaphylos uva-ursi | 5 | 0.0 | | | | 1 | | | | | | | | | | | | |
| C | Aster ciliolatus | 23 | 0.2 | | | | | | | | 1 | | | | | | | 0.5 | |
| C | Calamagrostis canadensis | 27 | 2.6 | 2 | 45 | 5 | | | | | | | | | | | | 3 | |
| C | Cornus canadensis | 100 | 19.3 | 5 | 10 | 25 | 20 | 20 | 15 | 65 | 3 | 25 | 15 | 10 | 30 | 12 | 4 | 17 | |
| C | Elymus glaucus | 18 | 0.4 | | | | 1 | | 2 | 5 | | | | 1 | | | | | |
| C | Epilobium angustifolium | 64 | 2.2 | 5 | 15 | 15 | 3 | 1 | | 2 | | 2 | 3 | | 1 | 1 | 0.01 | | |
| C | Epilobium sp. | 5 | 0.0 | | | | | | | | | | | | | | | | |
| C | Equisetum arvense | 45 | 0.5 | 2 | | | | 1 | 2 | 2 | 0.001 | 1 | | | | | | 2 | |
| C | Equisetum sylvaticum | 5 | 0.0 | | | | | | | | | | | | | | 0.1 | | |
| C | Fragaria virginiana | 5 | 0.0 | | | | | | | | | | | | | | | 1 | |
| C | Galium boreale | 27 | 0.5 | 2 | | 2 | | 3 | | 3 | | | | | | | | 2 | |
| C | Galium triflorum | 5 | 0.0 | | | | | | | | | | | | | | | | |
| C | Geocaulon lividum | 14 | 0.2 | | | | | | | | | | | | | | | | |
| C | Lathyrus ochroleucus | 27 | 0.9 | 5 | | 2 | | | | 1 | | | 10 | | | 0.5 | | | |
| C | Linnaea borealis | 73 | 3.8 | 3 | | 2 | | 5 | 10 | | | 2 | | 3 | 10 | 3 | 3 | 8 | |
| C | Lycopodium annotinum | 9 | 0.1 | | | | | | | | | | | 2 | | | 1 | | |
| C | Lycopodium complanatum | 23 | 0.1 | | | | 1 | | | | | | | | | | 0.1 | | |
| C | Maianthemum canadense | 9 | 0.2 | | | | | | | | | | | | | | | | |
| C | Mertensia paniculata | 36 | 1.0 | 1 | 3 | | | | | | | 3 | | 10 | | | | 1 | |
| C | Mertensia sp. | 5 | 0.1 | | 3 | | | | | | | | | | | | | | |
| C | Mitella nuda | 27 | 0.7 | 3 | | | | | | | | | 2 | 2 | | | 0.5 | | |
| C | Moneses uniflora | 5 | 0.0 | | | | | | | | | | | | | | | | |
| C | Orthilia secunda | 9 | 0.0 | | | | | | | | 0.5 | | | | 0.1 | | | | |
| C | Pedicularis sp. | 5 | 0.0 | | | | | | | | | | | | | 0.1 | | | |
| C | Petasites frigidus var. palmatus | 36 | 0.7 | | | 3 | | 2 | | | 2 | 2 | 2 | 2 | | | | 0.5 | |
| C | Platanthera orbiculata | 5 | 0.0 | | | | | | | | | | | | | | | | |
| C | Pyrola asarifolia | 18 | 0.2 | | | | | | | | | | 2 | | 2 | | | 0.1 | |
| C | Pyrola sp. | 9 | 0.0 | | | | | | | | | | | | | | | | |
| C | Rubus pubescens | 45 | 3.5 | 10 | 5 | 10 | | 10 | | | | | 10 | 15 | | | | 1 | |
| C | Vaccinium vitis-idaea | 64 | 3.0 | | | | 2 | | 15 | 20 | | 3 | | | 3 | 3 | 0.1 | 1 | |
| C | Viola sp. | 18 | 0.2 | | | | | | | | | 1 | | | 0.1 | | | | |
| C | Layer Total | 100 | 1.2 | 35 | 70 | 60 | 25 | 37 | 40 | 85 | 6 | 35 | 35 | 40 | 45 | 19 | 7 | 36 | |
| D | Brachythecium sp. | 5 | 0.1 | | | | | | | | | | | | | | | | |
| D | Cladina mitis | 9 | 0.1 | | | | | | | | | | | | | 0.1 | | | |
| D | Cladina rangiferina | 5 | 0.0 | | | | | | | | | | | | | | | | |
| D | Cladonia sp. | 5 | 0.0 | | | | | | | | | | | | | | | | |
| D | Dicranum sp. | 14 | 0.2 | | | | | | | | | | 2 | | | | 1 | | |
| D | Hylocomium splendens | 73 | 24.2 | 15 | | | 65 | 20 | 45 | 70 | 30 | 65 | | 10 | 10 | 12 | 60 | 20 | |
| D | Peltigera aphthosa | 14 | 0.4 | | | | | | 5 | 2 | | 2 | | | | | | | |
| D | Peltigera sp. | 9 | 0.2 | | | | | | | | | | | | | | 1 | | |
| D | Pleurozium schreberi | 55 | 11.5 | 10 | | | 25 | 10 | 35 | 10 | | | | | | 5 | 10 | 7 | |

Plot Number and Structural Stage

| Layer | Latin Name | Presence | Mean Cover | CG05 | CG06 | CG36 | CG41 | CG55 | CG57 | CG76 | RG005 | CG30 | CG18 | CG11 | CG52 | RG039 | RG041 | RG054 |
|----------|---------------------------|------------|------------|-----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|
| D | Polytrichum sp. | 5 | 0.0 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| D | Ptilium crista-castrensis | 32 | 3.2 | | | | | | | 5 | | 20 | 5 | | | | 20 | |
| D | Layer Total | 100 | 3.6 | 25 | 0 | 0 | 75 | 30 | 75 | 80 | 30 | 80 | 5 | 12 | 10 | 17 | 92 | 27 |

BWBSmw2
01 AM
SwAt - Step moss
22 Plots

| Layer | Latin Name | CG58 | RG023 | RG024 | RG042 | RG061 | RG071 | CG19 |
|----------|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| A | Abies lasiocarpa | | | | | | | |
| A | Betula papyrifera | | | | | | 3 | |
| A | Larix laricina | | | | | | | |
| A | Picea glauca | 45 | 40 | 45 | 50 | 20 | 35 | 20 |
| A | Picea mariana | | | | | 35 | | |
| A | Pinus contorta | | | | | | | |
| A | Populus balsamifera | | 7 | 2 | | | | |
| A | Populus tremuloides | | 7 | | 12 | 5 | 7 | 10 |
| A | Layer Total | 45 | 50 | 45 | 55 | 55 | 40 | 30 |
| B | Abies lasiocarpa | | | | | | | |
| B | Abies sp. | | | | | | | |
| B | Alnus incana ssp. tenuifolia | | | | | | | |
| B | Alnus viridis | | | | | | | 35 |
| B | Alnus viridis ssp. crispa | | | | | | | |
| B | Alnus viridis ssp. sinuata | | 20 | 5 | | | 12 | |
| B | Amelanchier alnifolia | | | | | | | |
| B | Betula papyrifera | | | | | 2 | | |
| B | Ledum groenlandicum | | | | | 0.5 | | |
| B | Lonicera dioica | | | | | | | |
| B | Picea glauca | 10 | 7 | 15 | 5 | 8 | 12 | 5 |
| B | Picea mariana | | | | | 20 | | |
| B | Pinus contorta | | | | | | | |
| B | Populus balsamifera | | | 5 | | | 5 | |
| B | Populus tremuloides | | | | 5 | 3 | 1 | 2 |
| B | Ribes oxyacanthoides | | | | | | | |
| B | Ribes triste | | 1 | | | | | |
| B | Rosa acicularis | 15 | 7 | 7 | 7 | 1 | 10 | 25 |
| B | Rubus idaeus | | | | | | | |
| B | Salix sp. | 3 | | 5 | | | 1 | |
| B | Shepherdia canadensis | 15 | | | | | 1 | |
| B | Viburnum edule | 5 | 5 | 12 | 3 | | 7 | 30 |
| B | Layer Total | 40 | 35 | 45 | 17 | 30 | 45 | 75 |
| C | Achillea millefolium | | | | | | | |
| C | Aralia nudicaulis | | | | | | 0.01 | 10 |
| C | Arctostaphylos uva-ursi | | | | | | | |
| C | Aster ciliolatus | | 0.5 | 2 | | | 0.5 | |
| C | Calamagrostis canadensis | | | | 0.5 | | 2 | |
| C | Cornus canadensis | 20 | 30 | 17 | 17 | 7 | 17 | 40 |
| C | Elymus glaucus | | | | | | | |
| C | Epilobium angustifolium | | | 0.1 | 0.1 | | 0.01 | |
| C | Epilobium sp. | | | | | 0.001 | | |
| C | Equisetum arvense | 0.5 | | | 0.1 | 0.5 | | |
| C | Equisetum sylvaticum | | | | | | | |
| C | Fragaria virginiana | | | | | | | |
| C | Galium boreale | | | | | | 0.001 | |
| C | Galium triflorum | | | | | | | 1 |
| C | Geocaulon lividum | | | 0.01 | | 0.01 | | 5 |
| C | Lathyrus ochroleucus | 1 | | | | | | |
| C | Linnaea borealis | 5 | 3 | 7 | 5 | | 10 | 5 |
| C | Lycopodium annotinum | | | | | | | |
| C | Lycopodium complanatum | | | | 0.5 | 0.001 | 0.1 | |
| C | Maianthemum canadense | | | | | | 1 | 3 |
| C | Mertensia paniculata | 2 | 1 | 1 | | | | |
| C | Mertensia sp. | | | | | | | |
| C | Mitella nuda | | | 0.5 | | | 7 | |
| C | Moneses uniflora | | | 0.01 | | | | |
| C | Orthilia secunda | | | | | | | |
| C | Pedicularis sp. | | | | | | | |
| C | Petasites frigidus var. palmatus | | 2 | | | | | |
| C | Platanthera orbiculata | | | | | 0.001 | | |
| C | Pyrola asarifolia | | 1 | | | | | |
| C | Pyrola sp. | | | 0.001 | | | 0.001 | |
| C | Rubus pubescens | | | 1 | | | 7 | 7 |
| C | Vaccinium vitis-idaea | 10 | | 1 | 3 | 2 | 0.5 | 2 |
| C | Viola sp. | | 2 | | | | 0.5 | |
| C | Layer Total | 35 | 38 | 28 | 25 | 9 | 40 | 60 |
| D | Brachythecium sp. | | | | | | | 2 |
| D | Cladina mitis | | | | | 1 | | |
| D | Cladina rangiferina | | | | | 0.5 | | |
| D | Cladonia sp. | | | | | 0.5 | | |
| D | Dicranum sp. | | | | | 1 | | |
| D | Hylocomium splendens | 30 | 25 | 25 | | | 30 | |
| D | Peltigera aphthosa | | | | | | | |
| D | Peltigera sp. | | | | | 3 | | |
| D | Pleurozium schreberi | 40 | | | | 40 | 50 | 10 |

| Layer | Latin Name | CG58 | RG023 | RG024 | RG042 | RG061 | RG071 | CG19 |
|-------|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| D | Polytrichum sp. | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| D | Ptilium crista-castrensis | | 5 | | | 5 | 10 | |
| D | Layer Total | 65 | 30 | 25 | 85 | 86 | 90 | 35 |

BWBSmw2

02 LL

PI - Lignonberry - Velvet-leaved blueberry

1 Plot

| Layer | Latin Name | Presence | Mean Cover | RG045 |
|--------------|--------------------------|-----------------|-------------------|--------------|
| A | Pinus contorta | 100 | 5.0 | 5 |
| A | Layer Total | 100 | 5.0 | 5 |
| B | Amelanchier alnifolia | 100 | 2.0 | 2 |
| B | Ledum groenlandicum | 100 | 0.5 | 0.5 |
| B | Pinus contorta | 100 | 50.0 | 50 |
| B | Rosa acicularis | 100 | 7.0 | 7 |
| B | Layer Total | 100 | 14.9 | 55 |
| C | Calamagrostis canadensis | 100 | 3.0 | 3 |
| C | Linnaea borealis | 100 | 1.0 | 1 |
| C | Maianthemum canadense | 100 | 1.0 | 1 |
| C | Oryzopsis pungens | 100 | 0.5 | 0.5 |
| C | Pyrola chlorantha | 100 | 1.0 | 1 |
| C | Vaccinium vitis-idaea | 100 | 12.0 | 12 |
| C | Layer Total | 100 | 3.1 | 18 |
| D | Cladina mitis | 100 | 15.0 | 15 |
| D | Cladonia sp. | 100 | 2.0 | 2 |
| D | Peltigera sp. | 100 | 5.0 | 5 |
| D | Pleurozium schreberi | 100 | 15.0 | 15 |
| D | Polytrichum sp. | 100 | 0.5 | 0.5 |
| D | Layer Total | 100 | 7.5 | 37 |

BWBSmw2
04 BL
Sb - Lignonberry - Coltsfoot
13 Plots

Plot Number and Structural Stage

| Layer | Latin Name | Mean | | CG44 | RG022 | CG14 | CG47 | CG59 | RG011 | RG015 | RG028 |
|----------|--|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | Presence | Cover | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 5 |
| A | <i>Betula papyrifera</i> | 38 | 4.4 | | | | 35 | 10 | | | |
| A | <i>Picea glauca</i> | 46 | 13.6 | | | | 20 | 30 | | | |
| A | <i>Picea mariana</i> | 38 | 2.8 | | 2 | | | | 10 | 10 | 7 |
| A | <i>Pinus contorta</i> | 46 | 11.5 | | 10 | 15 | | | 30 | 20 | 50 |
| A | <i>Populus balsamifera</i> | 23 | 1.6 | | | | 15 | | | | |
| A | <i>Populus tremuloides</i> | 62 | 8.8 | | | 30 | | 10 | 15 | | 7 |
| A | Layer Total | 100 | 7.1 | 0 | 12 | 45 | 60 | 45 | 50 | 27 | 60 |
| B | <i>Alnus incana</i> ssp. <i>tenuifolia</i> | 8 | 0.3 | | | | | | | 5 | 7 |
| B | <i>Alnus viridis</i> ssp. <i>sinuata</i> | 69 | 13.1 | | 1 | 45 | | 15 | | | |
| B | <i>Amelanchier alnifolia</i> | 8 | 0.2 | | | | | | | | |
| B | <i>Betula papyrifera</i> | 31 | 1.5 | | | | | 5 | | | |
| B | <i>Cornus stolonifera</i> | 38 | 2.3 | | | | 3 | 0.5 | | | |
| B | <i>Ledum groenlandicum</i> | 23 | 0.3 | | 2 | | | | 1 | | |
| B | <i>Picea glauca</i> | 62 | 5.9 | 2 | | 2 | 5 | 15 | | | |
| B | <i>Picea mariana</i> | 46 | 11.6 | | 30 | 1 | | | 20 | 40 | 45 |
| B | <i>Pinus contorta</i> | 31 | 4.6 | | 30 | | | | | 20 | 7 |
| B | <i>Populus balsamifera</i> | 8 | 0.2 | | | | | | | | |
| B | <i>Populus tremuloides</i> | 46 | 3.6 | 20 | | 10 | | | | | 3 |
| B | <i>Ribes lacustre</i> | 8 | 0.0 | | | | | | | | |
| B | <i>Ribes triste</i> | 8 | 0.0 | | | | | 0.5 | | | |
| B | <i>Rosa acicularis</i> | 92 | 8.2 | 15 | | 7 | 25 | 1 | 4 | 3 | 2 |
| B | <i>Rubus idaeus</i> | 8 | 1.2 | 15 | | | | | | | |
| B | <i>Salix</i> sp. | 54 | 2.2 | | 1 | | | 5 | 5 | 2 | |
| B | <i>Shepherdia canadensis</i> | 31 | 1.9 | | | | | 2 | 10 | | |
| B | <i>Viburnum edule</i> | 62 | 5.2 | 7 | | | 15 | | | 4 | 1 |
| B | Layer Total | 100 | 3.5 | 55 | 60 | 60 | 40 | 40 | 40 | 65 | 55 |
| C | <i>Aralia nudicaulis</i> | 23 | 0.3 | 2 | | | | | | | |
| C | <i>Arctostaphylos uva-ursi</i> | 8 | 0.5 | | | | | | 7 | | |
| C | <i>Aster ciliolatus</i> | 31 | 0.4 | | | | | | | 1 | |
| C | <i>Calamagrostis canadensis</i> | 31 | 1.3 | 5 | | | | | | | |
| C | <i>Cornus canadensis</i> | 92 | 6.0 | 12 | 3 | 3 | 25 | 2 | 5 | 5 | 3 |
| C | <i>Empetrum nigrum</i> | 15 | 0.1 | | 0.5 | | | | | | |
| C | <i>Epilobium angustifolium</i> | 15 | 0.9 | 10 | | 2 | | | | | |
| C | <i>Equisetum arvense</i> | 23 | 0.2 | 1 | | | | | | | |
| C | <i>Equisetum scirpoides</i> | 8 | 0.0 | | | | | | | | |
| C | <i>Equisetum sylvaticum</i> | 8 | 0.0 | | 0.1 | | | | | | |
| C | <i>Fragaria virginiana</i> | 8 | 0.2 | | | | | | | | |
| C | <i>Galium boreale</i> | 23 | 0.2 | | | | | | | | |
| C | <i>Geocaulon lividum</i> | 8 | 0.5 | | | | | | | | |
| C | <i>Lathyrus ochroleucus</i> | 8 | 0.0 | | | | | | | | |
| C | <i>Linnaea borealis</i> | 69 | 5.0 | 5 | | | 10 | 10 | 2 | 5 | |
| C | <i>Lycopodium complanatum</i> | 8 | 0.1 | | | | | | 1 | | |
| C | <i>Maianthemum canadense</i> | 8 | 0.0 | | | | | | | | |
| C | <i>Mertensia paniculata</i> | 46 | 0.8 | | | | 3 | 2 | | 2 | |
| C | <i>Mitella nuda</i> | 38 | 1.8 | | | | 10 | 3 | | | |
| C | <i>Orthilia secunda</i> | 15 | 0.0 | | | 0.5 | | | 0.1 | | |
| C | <i>Petasites frigidus</i> var. <i>palmatus</i> | 8 | 0.1 | | | 1 | | | | | |
| C | <i>Pyrola asarifolia</i> | 8 | 0.1 | | | 1 | | | | | |
| C | <i>Pyrola</i> sp. | 15 | 0.1 | | | | | | | | |
| C | <i>Rubus pubescens</i> | 31 | 1.8 | 10 | | | | 2 | | | |
| C | <i>Vaccinium vitis-idaea</i> | 23 | 0.9 | | 2 | | | | | 5 | |
| C | <i>Viola</i> sp. | 8 | 0.1 | | | | | | | | |
| C | Layer Total | 100 | 0.8 | 35 | 5 | 7 | 45 | 19 | 15 | 18 | 3 |

Plot Number and Structural Stage

| Layer | Latin Name | Mean Presence | Mean Cover | CG44 | RG022 | CG14 | CG47 | CG59 | RG011 | RG015 | RG028 |
|----------|---------------------------|---------------|------------|----------|-----------|----------|----------|-----------|-----------|-----------|-----------|
| | | | | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 5 |
| D | Brachythecium sp. | 15 | 0.3 | | | 2 | 2 | | | | |
| D | Cladina mitis | 15 | 0.2 | | 2 | | | | | | |
| D | Cladina rangiferina | 15 | 0.2 | | | | | | 2 | 1 | |
| D | Cladonia sp. | 23 | 0.5 | | 3 | | | | 1 | 2 | |
| D | Dicranum sp. | 8 | 0.4 | | | | | | | 5 | |
| D | Hylocomium splendens | 77 | 16.5 | | 15 | | | 15 | 30 | 30 | 15 |
| D | Peltigera sp. | 31 | 0.5 | | 2 | | | | 1 | 3 | |
| D | Pleurozium schreberi | 77 | 14.5 | | 5 | | | 40 | 15 | 30 | 10 |
| D | Ptilium crista-castrensis | 54 | 4.2 | | | | | 10 | 10 | 12 | 3 |
| D | Stereocaulon sp. | 8 | 0.1 | | | | | | | 1 | |
| D | Layer Total | 100 | 3.7 | 0 | 27 | 2 | 2 | 60 | 55 | 84 | 28 |

BWBSmw2
04 BL
Sb - Lignonberry - Coltsfoot
13 Plots

| | | RG056 | RG065 | RG031 | RG044 | RG069 |
|----------|----------------------------------|-----------|-----------|-----------|-----------|-----------|
| Layer | Latin Name | 5 | 6 | 7 | 7 | 7 |
| A | Betula papyrifera | 5 | | | 2 | 5 |
| A | Picea glauca | 17 | 10 | | 50 | 50 |
| A | Picea mariana | | | 7 | | |
| A | Pinus contorta | | | 25 | | |
| A | Populus balsamifera | | 5 | | 1 | |
| A | Populus tremuloides | 10 | 25 | 2 | | 15 |
| A | Layer Total | 22 | 35 | 30 | 50 | 65 |
| B | Alnus incana ssp. tenuifolia | 4 | | | | |
| B | Alnus viridis ssp. sinuata | 50 | 5 | | 25 | 17 |
| B | Amelanchier alnifolia | | 2 | | | |
| B | Betula papyrifera | | 3 | | 10 | 2 |
| B | Cornus stolonifera | 2 | 20 | | | 4 |
| B | Ledum groenlandicum | | | 1 | | |
| B | Picea glauca | 17 | 17 | | 7 | 12 |
| B | Picea mariana | | | 15 | | |
| B | Pinus contorta | | | 3 | | |
| B | Populus balsamifera | | 3 | | | |
| B | Populus tremuloides | | 7 | 3 | | 4 |
| B | Ribes lacustre | 0.1 | | | | |
| B | Ribes triste | | | | | |
| B | Rosa acicularis | 2 | 15 | 3 | 17 | 12 |
| B | Rubus idaeus | | | | | |
| B | Salix sp. | 5 | 5 | 5 | | |
| B | Shepherdia canadensis | 1 | 12 | | | |
| B | Viburnum edule | 7 | 15 | | 12 | 7 |
| B | Layer Total | 13 | 85 | 27 | 60 | 55 |
| C | Aralia nudicaulis | 0.5 | 1 | | | |
| C | Arctostaphylos uva-ursi | | | | | |
| C | Aster ciliolatus | | 1 | | 1 | 2 |
| C | Calamagrostis canadensis | | 4 | | 7 | 1 |
| C | Cornus canadensis | 5 | | 3 | 5 | 7 |
| C | Empetrum nigrum | | | 1 | | |
| C | Epilobium angustifolium | | | | | |
| C | Equisetum arvense | | | | 1 | 0.5 |
| C | Equisetum scirpoides | | | | 0.5 | |
| C | Equisetum sylvaticum | | | | | |
| C | Fragaria virginiana | | 3 | | | |
| C | Galium boreale | | 1 | | 1 | 0.1 |
| C | Geocaulon lividum | | | 7 | | |
| C | Lathyrus ochroleucus | | 0.5 | | | |
| C | Linnaea borealis | 7 | 15 | | 4 | 7 |
| C | Lycopodium complanatum | | | | | |
| C | Maianthemum canadense | | | | | 0.1 |
| C | Mertensia paniculata | | 1 | | 1 | 1 |
| C | Mitella nuda | 1 | | | 3 | 7 |
| C | Orthilia secunda | | | | | |
| C | Petasites frigidus var. palmatus | | | | | |
| C | Pyrola asarifolia | | | | | |
| C | Pyrola sp. | | 1 | | | 0.1 |
| C | Rubus pubescens | | | | 7 | 5 |
| C | Vaccinium vitis-idaea | | | 5 | | |
| C | Viola sp. | | | | | 1 |
| C | Layer Total | 75 | 25 | 16 | 30 | 31 |

| Layer | Latin Name | RG056 | RG065 | RG031 | RG044 | RG069 |
|----------|---------------------------|-----------|-----------|-----------|-----------|-----------|
| D | Brachythecium sp. | 5 | 6 | 7 | 7 | 7 |
| D | Cladina mitis | | | 1 | | |
| D | Cladina rangiferina | | | | | |
| D | Cladonia sp. | | | | | |
| D | Dicranum sp. | | | | | |
| D | Hylocomium splendens | 15 | 5 | 15 | 35 | 40 |
| D | Peltigera sp. | | | 1 | | |
| D | Pleurozium schreberi | 5 | 7 | 7 | 40 | 30 |
| D | Ptilium crista-castrensis | 2 | | | 10 | 7 |
| D | Stereocaulon sp. | | | | | |
| D | Layer Total | 27 | 12 | 24 | 85 | 77 |

BWBSmw2
05 SH
Sw - Currant - Horsetail
21 Plots

| | | | Plot Number and Structural Stage | | | | | | | | | | | | | | |
|----------|----------------------------------|------------|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Layer | Latin Name | Mean | | CG28 | CG60 | CG71 | RG048 | CG01 | RG047 | RG057 | CG20 | CG61 | RG002 | RG016 | RG025 | RG027 | RG033 |
| | | Presence | Cover | 3 | 3 | 3 | 3a | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| A | Betula papyrifera | 14 | 0.7 | | | | | | | | | | | 10 | 2 | | |
| A | Picea glauca | 52 | 22.6 | | | | | | | 45 | | | 55 | 50 | 40 | | 45 |
| A | Populus balsamifera | 43 | 18.4 | | | 5 | 60 | 60 | 75 | | | 65 | | | | | 2 |
| A | Populus tremuloides | 14 | 2.5 | | | | | | | | | | | | | 35 | 7 |
| A | Layer Total | 100 | 11.0 | 0 | 0 | 0 | 5 | 60 | 60 | 75 | 45 | 65 | 55 | 55 | 40 | 35 | 50 |
| B | Alnus incana | 5 | 1.2 | | | | | 25 | | | | | | | | | |
| B | Alnus incana ssp. tenuifolia | 76 | 14.0 | 15 | 20 | | 50 | | 8 | 12 | 5 | 55 | 3 | 10 | 8 | | |
| B | Alnus viridis ssp. sinuata | 10 | 0.6 | | | | | | | | | | | | | | 12 |
| B | Amelanchier alnifolia | 10 | 0.1 | | | | | 1 | | | | | | | 1 | | |
| B | Betula papyrifera | 19 | 0.4 | | | | | | | | | | | 3 | 3 | | |
| B | Cornus stolonifera | 62 | 6.3 | 60 | | 5 | | | | 2 | | 10 | 2 | | | 5 | 3 |
| B | Lonicera ciliosa | 5 | 0.1 | | | | | | | | | | | | | | |
| B | Lonicera dioica | 5 | 0.0 | | | | | | | | | | | | | | |
| B | Picea glauca | 67 | 7.3 | | | | | 7 | | 7 | 10 | | 7 | 30 | 30 | 4 | 15 |
| B | Populus balsamifera | 29 | 2.4 | | | 5 | 20 | 5 | 10 | 5 | | 5 | | | | | |
| B | Populus tremuloides | 10 | 0.7 | | | 10 | | | | | | | | | | 5 | |
| B | Ribes lacustre | 14 | 0.3 | | | | | | | | 3 | | | 2 | 0.5 | | |
| B | Ribes sp. | 5 | 0.1 | | | | | | | | | | 2 | | | | |
| B | Rosa acicularis | 71 | 6.5 | 30 | | 15 | | 2 | | | 2 | | 5 | 3 | 5 | 20 | 5 |
| B | Rubus idaeus | 19 | 1.4 | 10 | 2 | 15 | | | | 2 | | | | | | | |
| B | Rubus parviflorus | 5 | 0.0 | | | | | | | | | | | | | | 1 |
| B | Salix sp. | 62 | 7.3 | 50 | 35 | 2 | 15 | | 0.5 | 1 | 2 | | | 5 | 7 | 12 | 10 |
| B | Shepherdia canadensis | 10 | 0.2 | | | | | | | | | | | | | | |
| B | Viburnum edule | 62 | 3.5 | | | | | 2 | | | 5 | | 3 | | 3 | 5 | 1 |
| B | Layer Total | 100 | 2.8 | 95 | 55 | 40 | 75 | 35 | 15 | 25 | 20 | 65 | 20 | 45 | 55 | 40 | 45 |
| C | Achillea millefolium | 10 | 0.1 | | | | | | | | | | 0.1 | 1 | | | |
| C | Aralia nudicaulis | 14 | 0.7 | | | | | | | | | | | | | | |
| C | Artemisia sp. | 5 | 0.0 | | | | | 0.5 | | | | | | | | | |
| C | Aster ciliolatus | 29 | 1.1 | | | | | 5 | | | | | 2 | 4 | 5 | 5 | 3 |
| C | Aster sp. | 5 | 0.1 | | | 2 | | | | | | | | | | | |
| C | Bromus sp. | 5 | 3.3 | | | 70 | | | | | | | | | | | |
| C | Calamagrostis canadensis | 43 | 2.0 | 15 | 10 | | | | 0.001 | | 2 | | | | 2 | 2 | 2 |
| C | Carex sp. | 5 | 0.2 | | 5 | | | | | | | | | | | | |
| C | Cornus canadensis | 52 | 4.0 | | | | | | | | 20 | | 2 | 12 | 3 | 5 | 7 |
| C | Elymus glaucus | 5 | 0.1 | | | | | 2 | | | | | | | | | |
| C | Epilobium angustifolium | 29 | 0.7 | 2 | | 10 | | | | | | | | | 0.1 | 2 | |
| C | Equisetum arvense | 100 | 13.4 | 2 | 5 | 25 | 30 | 1 | 20 | 10 | 30 | 20 | 0.1 | 7 | 3 | 17 | 3 |
| C | Equisetum fluviatile | 5 | 0.5 | | | | | 10 | | | | | | | | | |
| C | Equisetum hyemale | 19 | 2.1 | | | | | | 2 | 25 | | 5 | | | | | |
| C | Equisetum scirpoides | 14 | 0.1 | | | | | | | | | | | 0.5 | | | |
| C | Erigeron philadelphicus | 10 | 0.1 | | | 1 | | | | | | 1 | | | | | |
| C | Fragaria vesca | 10 | 0.0 | | | | | | | | | | | | | | |
| C | Fragaria virginiana | 5 | 0.0 | | | | | | | | | | | | | | |
| C | Fragaria virginiana var. glauca | 29 | 0.8 | | 1 | | 2 | | | | | | 2 | 3 | 2 | | 7 |
| C | Galium boreale | 67 | 1.0 | 3 | | 3 | | 2 | 0.1 | 0.1 | | | 3 | 1 | 0.1 | | 0.5 |
| C | Galium triflorum | 5 | 0.0 | | | | | 1 | | | | | | | | | |
| C | Geocaulon lividum | 5 | 0.1 | | | | | | | | | | | | | | |
| C | Geum macrophyllum | 5 | 0.5 | | 10 | | | | | | | | | | | | |
| C | Lathyrus ochroleucus | 10 | 0.1 | | | | | | | | | | | | | 2 | 1 |
| C | Linnaea borealis | 43 | 1.9 | | | | | | | | 3 | | 1 | 0.5 | 7 | | 5 |
| C | Lycopodium annotinum | 5 | 0.0 | | | | | | | | | | | | | | |
| C | Maianthemum dilatatum | 10 | 0.1 | | | | | | | | | | 1 | | | | |
| C | Mertensia paniculata | 38 | 0.7 | 3 | | | | | | | | | 2 | 1 | 1 | 2 | 2 |
| C | Mertensia sp. | 5 | 0.1 | | | | | | | | | | | | | | |
| C | Mitella nuda | 43 | 1.5 | | | | | | | 0.5 | 5 | | | 1 | 4 | | |
| C | Mitella sp. | 5 | 0.0 | | | | | | | | | | 0.5 | | | | |
| C | Orthilia secunda | 5 | 0.0 | | | | | | | | | | 0.5 | | | | |
| C | Petasites frigidus var. palmatus | 10 | 0.1 | | | | | | | | | | 1 | 2 | | | |
| C | Pyrola asarifolia | 29 | 0.3 | | | | | | | | | | | 1 | | 0.1 | 0.1 |
| C | Rubus pubescens | 57 | 2.5 | 5 | | | 7 | | | | 7 | 3 | 1 | 3 | | | 1 |
| C | Scirpus microcarpus | 5 | 1.4 | | 30 | | | | | | | | | | | | |
| C | Taraxacum officinale | 5 | 0.1 | | | 2 | | | | | | | | | | | |
| C | Thalictrum occidentale | 5 | 0.5 | 10 | | | | | | | | | | | | | |
| C | Vaccinium vitis-idaea | 10 | 0.2 | | | | | | | | | | | | | | |
| C | Vicia americana | 10 | 0.5 | | | 7 | | | 4 | | | | | | | | |
| C | Vicia sp. | 5 | 0.1 | | | | | | | | | | | | | | |
| C | Viola sp. | 5 | 0.0 | | | | | | | | | | | | | | |
| C | Layer Total | 100 | 1.0 | 30 | 55 | 85 | 30 | 25 | 24 | 40 | 60 | 28 | 15 | 36 | 27 | 36 | 30 |
| D | Hylocomium splendens | 43 | 7.1 | | | | | | | | 5 | | 10 | | 40 | 3 | 7 |

Plot Number and Structural Stage

| Layer | Latin Name | Mean | | CG28 | CG60 | CG71 | RG048 | CG01 | RG047 | RG057 | CG20 | CG61 | RG002 | RG016 | RG025 | RG027 | RG033 | |
|----------|---------------------------|----------|------------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|----|
| | | Presence | Cover | 3 | 3 | 3 | 3a | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| D | Peltigera sp. | 5 | 0.0 | | | | | | | | | | | | | | | 1 |
| D | Pleurozium schreberi | 43 | 11.0 | | | | | | | | 10 | | 20 | | 15 | | | 10 |
| D | Ptilium crista-castrensis | 38 | 4.8 | | | | | | | | 20 | | 7 | | 5 | 2 | | |
| D | Layer Total | 5 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 37 | 33 | 60 | 5 | 18 | |

BWBSmw2
05 SH
Sw - Currant - Horsetail
21 Plots

| Layer | Latin Name | RG046 | CG02 | CG27 | CG45 | CG46 | RG036 | RG053 |
|----------|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | 5 | 6 | 6 | 6 | 6 | 6 | 7 |
| A | Betula papyrifera | | 2 | | | | | |
| A | Picea glauca | 50 | 45 | 30 | | 5 | 55 | 55 |
| A | Populus balsamifera | | | 10 | 50 | 60 | | |
| A | Populus tremuloides | | | 10 | | | | |
| A | Layer Total | 50 | 45 | 50 | 50 | 60 | 55 | 55 |
| B | Alnus incana | | | | | | | |
| B | Alnus incana ssp. tenuifolia | 10 | 5 | | 35 | 35 | 10 | 12 |
| B | Alnus viridis ssp. sinuata | 1 | | | | | | |
| B | Amelanchier alnifolia | | | | | | | |
| B | Betula papyrifera | | | 1 | | | | 1 |
| B | Cornus stolonifera | 3 | 5 | | 7 | 15 | 5 | 10 |
| B | Lonicera ciliosa | | 2 | | | | | |
| B | Lonicera dioica | | | | | | 1 | |
| B | Picea glauca | 17 | 2 | 2 | | 3 | 12 | 7 |
| B | Populus balsamifera | | | | | | | |
| B | Populus tremuloides | | | | | | | |
| B | Ribes lacustre | | | | | | | |
| B | Ribes sp. | | | | | | | |
| B | Rosa acicularis | 5 | 10 | 10 | | 10 | 10 | 5 |
| B | Rubus idaeus | | | | | | | |
| B | Rubus parviflorus | | | | | | | |
| B | Salix sp. | 3 | | | | | 10 | |
| B | Shepherdia canadensis | 0.1 | | | | | | 5 |
| B | Viburnum edule | 7 | 10 | 15 | 2 | 3 | 10 | 7 |
| B | Layer Total | 40 | 27 | 25 | 40 | 55 | 55 | 40 |
| C | Achillea millefolium | | | | | | | |
| C | Aralia nudicaulis | | 10 | 5 | | 0.5 | | |
| C | Artemisia sp. | | | | | | | |
| C | Aster ciliolatus | | | | | | | |
| C | Aster sp. | | | | | | | |
| C | Bromus sp. | | | | | | | |
| C | Calamagrostis canadensis | | | | | | 5 | 3 |
| C | Carex sp. | | | | | | | |
| C | Cornus canadensis | 7 | 5 | 7 | | | 7 | 10 |
| C | Elymus glaucus | | | | | | | |
| C | Epilobium angustifolium | | | | | | 0.5 | 0.01 |
| C | Equisetum arvense | 7 | 5 | 5 | 25 | 10 | 50 | 7 |
| C | Equisetum fluviatile | | | | | | | |
| C | Equisetum hyemale | | | | | 12 | | |
| C | Equisetum scirpoides | | 1 | | | | | 0.01 |
| C | Erigeron philadelphicus | | | | | | | |
| C | Fragaria vesca | 0.5 | | | | | | 0.001 |
| C | Fragaria virginiana | 1 | | | | | | |
| C | Fragaria virginiana var. glauca | | | | | | | |
| C | Galium boreale | 0.01 | 3 | 1 | | | 1 | 4 |
| C | Galium triflorum | | | | | | | |
| C | Geocaulon lividum | | | | | | | 2 |
| C | Geum macrophyllum | | | | | | | |
| C | Lathyrus ochroleucus | | | | | | | |
| C | Linnaea borealis | 7 | | 3 | | | 1 | 12 |
| C | Lycopodium annotinum | | | | | | | 0.1 |
| C | Maianthemum dilatatum | | | | | | | 1 |
| C | Mertensia paniculata | 1 | | 3 | | | | |
| C | Mertensia sp. | | 3 | | | | | |
| C | Mitella nuda | 2 | 7 | 5 | | | 5 | 3 |
| C | Mitella sp. | | | | | | | |
| C | Orthilia secunda | | | | | | | |
| C | Petasites frigidus var. palmatus | | | | | | | |
| C | Pyrola asarifolia | 0.5 | 2 | | | | | 2 |
| C | Rubus pubescens | 7 | 5 | 10 | | | 1 | 2 |
| C | Scirpus microcarpus | | | | | | | |
| C | Taraxacum officinale | | | | | | | |
| C | Thalictrum occidentale | | | | | | | |
| C | Vaccinium vitis-idaea | | | 2 | | | | 2 |
| C | Vicia americana | | | | | | | |
| C | Vicia sp. | | | | | 3 | | |
| C | Viola sp. | 0.1 | | | | | | |
| C | Layer Total | 32 | 30 | 35 | 25 | 25 | 70 | 48 |
| D | Hylacomium splendens | 30 | | 15 | | | 10 | 30 |

| Layer | Latin Name | RG046 | CG02 | CG27 | CG45 | CG46 | RG036 | RG053 |
|----------|---------------------------|-----------|-----------|-----------|----------|----------|-----------|-----------|
| D | Peltigera sp. | 5 | 6 | 6 | 6 | 6 | 6 | 7 |
| D | Pleurozium schreberi | 30 | 50 | 30 | | | 5 | 60 |
| D | Ptilium crista-castrensis | 25 | 15 | 20 | | | | 7 |
| D | Layer Total | 85 | 60 | 60 | 0 | 0 | 15 | 97 |

BWBSmw2
06 BB
Sb - Feathermoss - Bluebells
4 Plots

Plot Number and Structural Stage

| Layer | Latin Name | Mean | | CG10 | CG49 | RG034 | RG050 |
|----------|--|------------|-------------|-----------|-----------|-----------|-----------|
| | | Presence | Cover | 5 | 5 | 7 | 7 |
| A | <i>Betula papyrifera</i> | 50 | 1.4 | 5 | | 0.5 | |
| A | <i>Larix laricina</i> | 25 | 1.3 | 5 | | | |
| A | <i>Picea glauca</i> | 75 | 37.5 | 50 | 40 | 60 | |
| A | <i>Picea mariana</i> | 50 | 15.0 | | 25 | | 35 |
| A | Layer Total | 100 | 13.8 | 55 | 60 | 60 | 35 |
| B | <i>Alnus incana</i> ssp. <i>tenuifolia</i> | 75 | 15.0 | | 25 | 20 | 15 |
| B | <i>Betula papyrifera</i> | 50 | 3.0 | 5 | | | 7 |
| B | <i>Cornus stolonifera</i> | 50 | 2.3 | | 2 | 7 | |
| B | <i>Larix laricina</i> | 25 | 0.0 | | | | 0.1 |
| B | <i>Ledum groenlandicum</i> | 75 | 3.5 | 7 | 2 | | 5 |
| B | <i>Picea glauca</i> | 50 | 10.5 | 25 | | 17 | |
| B | <i>Picea mariana</i> | 25 | 1.8 | | | | 7 |
| B | <i>Ribes glandulosum</i> | 25 | 0.8 | 3 | | | |
| B | <i>Ribes lacustre</i> | 25 | 0.1 | | 0.5 | | |
| B | <i>Rosa acicularis</i> | 100 | 3.0 | 5 | 1 | 3 | 3 |
| B | <i>Salix</i> sp. | 50 | 3.0 | 10 | | | 2 |
| B | <i>Viburnum edule</i> | 25 | 0.5 | | | 2 | |
| B | Layer Total | 100 | 3.6 | 50 | 27 | 40 | 35 |
| C | <i>Achillea millefolium</i> | 25 | 0.0 | | | 0.01 | |
| C | <i>Calamagrostis canadensis</i> | 25 | 0.3 | | | | 1 |
| C | <i>Carex disperma</i> | 25 | 0.3 | | 1 | | |
| C | <i>Carex</i> sp. | 25 | 0.5 | | | | 2 |
| C | <i>Circaea alpina</i> | 25 | 0.0 | | 0.1 | | |
| C | <i>Cornus canadensis</i> | 75 | 3.3 | | 3 | 7 | 3 |
| C | <i>Equisetum arvense</i> | 100 | 15.5 | 10 | 25 | 12 | 15 |
| C | <i>Equisetum scirpoides</i> | 75 | 1.3 | | 2 | 2 | 1 |
| C | <i>Equisetum sylvaticum</i> | 25 | 3.8 | | 15 | | |
| C | <i>Fragaria virginiana</i> var. <i>glauca</i> | 25 | 1.3 | | | 5 | |
| C | <i>Galium boreale</i> | 25 | 0.3 | | | 1 | |
| C | <i>Galium triflorum</i> | 25 | 0.0 | | 0.1 | | |
| C | <i>Geocaulon lividum</i> | 25 | 0.5 | | | | 2 |
| C | <i>Linnaea borealis</i> | 25 | 0.8 | | | 3 | |
| C | <i>Listera cordata</i> | 25 | 0.0 | | | 0.1 | |
| C | <i>Mertensia paniculata</i> | 25 | 0.3 | 1 | | | |
| C | <i>Mitella nuda</i> | 75 | 5.0 | 3 | 10 | 7 | |
| C | <i>Petasites frigidus</i> var. <i>palmatus</i> | 25 | 0.3 | 1 | | | |
| C | <i>Rubus pubescens</i> | 50 | 1.4 | | 5 | 0.5 | |
| C | <i>Salix</i> sp. | 25 | 0.5 | | 2 | | |
| C | <i>Smilacina trifolia</i> | 25 | 0.1 | | | 0.5 | |
| C | <i>Vaccinium vitis-idaea</i> | 50 | 1.3 | | 3 | | 2 |
| C | <i>Viola</i> sp. | 25 | 0.3 | | 1 | | |
| C | Layer Total | 100 | 1.6 | 15 | 55 | 37 | 24 |
| D | <i>Aulacomnium palustre</i> | 50 | 5.0 | | 15 | | 5 |
| D | <i>Cladonia</i> sp. | 25 | 0.5 | 2 | | | |
| D | <i>Hylocomium splendens</i> | 100 | 41.3 | 65 | 5 | 70 | 25 |
| D | <i>Peltigera</i> sp. | 25 | 0.3 | | | | 1 |
| D | <i>Pleurozium schreberi</i> | 75 | 18.8 | 10 | | 20 | 45 |
| D | <i>Ptilium crista-castrensis</i> | 50 | 5.0 | | 10 | | 10 |
| D | <i>Rhizomnium</i> sp. | 50 | 6.8 | | 25 | 2 | |
| D | <i>Sphagnum</i> sp. | 25 | 1.0 | | | | 4 |
| D | <i>Tomentypnum nitens</i> | 25 | 5.0 | | 20 | | |
| D | Layer Total | 100 | 9.3 | 70 | 70 | 92 | 90 |

BWBSmw2
07 TH
Lt - Horsetail
10 Plots

Plot Number and Structural Stage

| Layer | Latin Name | Mean | | RG017 | RG026 | RG032 | RG067 | CG13 | CG64 | RG013 | RG035 |
|----------|--|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | Presence | Cover | 3a | 3a | 3a | 3b | 5 | 5 | 5 | 5 |
| A | <i>Larix laricina</i> | 90 | 5.9 | 0.5 | 1 | 7 | 2 | 15 | 15 | 3 | 10 |
| A | <i>Picea glauca</i> | 10 | 1.5 | | | | | | | | |
| A | <i>Picea mariana</i> | 40 | 15.0 | | | | | 55 | | 15 | 30 |
| A | Layer Total | 100 | 7.5 | 0.5 | 1 | 7 | 2 | 65 | 15 | 17 | 35 |
| B | <i>Alnus incana</i> ssp. <i>tenuifolia</i> | 60 | 8.8 | 1 | | 12 | 17 | | | 3 | |
| B | <i>Betula nana</i> | 40 | 1.5 | 7 | 3 | 2 | | | | 3 | |
| B | <i>Betula papyrifera</i> | 40 | 2.6 | | | 0.5 | | | 20 | | 2 |
| B | <i>Chamaedaphne calyculata</i> | 50 | 3.3 | 12 | | 10 | 5 | | 5 | | 0.5 |
| B | <i>Cornus stolonifera</i> | 10 | 0.1 | | | | | | | | |
| B | <i>Juniperus communis</i> | 10 | 0.1 | | | | | | | 1 | |
| B | <i>Larix laricina</i> | 60 | 6.0 | 7 | 7 | 10 | 25 | | | | 10 |
| B | <i>Ledum groenlandicum</i> | 80 | 4.2 | 4 | 7 | 7 | 2 | 2 | 10 | | 5 |
| B | <i>Myrica gale</i> | 10 | 0.5 | | 5 | | | | | | |
| B | <i>Picea glauca</i> | 30 | 1.4 | | | | | 2 | | | 10 |
| B | <i>Picea mariana</i> | 90 | 22.2 | 30 | 35 | 17 | 5 | 25 | 20 | 35 | 30 |
| B | <i>Populus balsamifera</i> | 10 | 0.5 | | | | | 5 | | | |
| B | <i>Populus tremuloides</i> | 10 | 0.3 | | | | | 3 | | | |
| B | <i>Potentilla fruticosa</i> | 10 | 0.3 | | | | | | | 3 | |
| B | <i>Ribes glandulosum</i> | 10 | 1.5 | | | | | | | | |
| B | <i>Ribes lacustre</i> | 10 | 0.2 | | | | | 2 | | | |
| B | <i>Rosa acicularis</i> | 10 | 0.2 | | | | | | | 2 | |
| B | <i>Salix</i> sp. | 80 | 6.1 | 3 | 15 | 7 | 5 | 2 | 7 | 12 | 10 |
| B | <i>Shepherdia canadensis</i> | 10 | 0.1 | | | | | 1 | | | |
| B | <i>Viburnum edule</i> | 10 | 0.2 | | | | | | | 2 | |
| B | Layer Total | 100 | 3.0 | 60 | 80 | 60 | 60 | 40 | 70 | 60 | 45 |
| C | <i>Achillea millefolium</i> | 10 | 0.1 | | | | | | | 1 | |
| C | <i>Arctostaphylos alpina</i> var. <i>rubra</i> | 20 | 0.4 | | | | | 3 | | 1 | |
| C | <i>Aster ciliolatus</i> | 10 | 0.1 | | | | | | | 1 | |
| C | <i>Calamagrostis canadensis</i> | 10 | 1.2 | | | | 12 | | | | |
| C | <i>Carex aquatilis</i> | 10 | 3.0 | | | | 30 | | | | |
| C | <i>Carex capillaris</i> | 10 | 0.5 | | | | 5 | | | | |
| C | <i>Carex disperma</i> | 10 | 3.0 | | | | | | | | |
| C | <i>Carex</i> sp. | 60 | 5.3 | 15 | 15 | 10 | | 1 | 2 | 10 | |
| C | <i>Circaea alpina</i> | 10 | 1.0 | | | | | | | | |
| C | <i>Cornus canadensis</i> | 50 | 1.0 | | | | 1 | 3 | | 3 | |
| C | <i>Epilobium angustifolium</i> | 10 | 0.2 | | | | | | | 2 | |
| C | <i>Equisetum arvense</i> | 60 | 4.7 | | 0.1 | 0.5 | | | | 0.5 | 1 |
| C | <i>Equisetum scirpoides</i> | 10 | 0.2 | | | | | 2 | | | |
| C | <i>Fragaria virginiana</i> var. <i>glauca</i> | 10 | 0.5 | | | | | | | 5 | |
| C | <i>Galium boreale</i> | 10 | 0.1 | | | | | | | 1 | |
| C | <i>Geocaulon lividum</i> | 20 | 0.3 | 1 | | | | 2 | | | |
| C | <i>Linnaea borealis</i> | 20 | 0.8 | | | | | 5 | | 3 | |
| C | <i>Mertensia paniculata</i> | 20 | 0.1 | | | | | 1 | | 0.1 | |
| C | <i>Mitella nuda</i> | 10 | 0.3 | | | | | | | | |
| C | <i>Oxycoccus oxycoccus</i> | 40 | 0.7 | 2 | 2 | 1 | 2 | | | | |
| C | <i>Petasites sagittatus</i> | 20 | 0.5 | | | | | | 2 | | |
| C | <i>Platanthera</i> sp. | 20 | 0.3 | | | | | | 2 | | |
| C | <i>Potentilla palustris</i> | 10 | 0.4 | | | | 4 | | | | |
| C | <i>Ranunculus gmelinii</i> | 10 | 0.1 | | | | | | | | |
| C | <i>Rubus chamaemorus</i> | 20 | 0.9 | 4 | | 5 | | | | | |
| C | <i>Rubus pubescens</i> | 10 | 0.5 | | | | | | | | |
| C | <i>Smilacina trifolia</i> | 50 | 0.3 | 0.1 | 0.5 | 0.5 | | | | 1 | 0.5 |
| C | <i>Torreyochloa pauciflora</i> | 20 | 1.1 | | | | | | | | |
| C | <i>Vaccinium caespitosum</i> | 10 | 0.2 | 2 | | | | | | | |
| C | <i>Vaccinium vitis-idaea</i> | 80 | 4.6 | 12 | 5 | 3 | 3 | | 15 | | 1 |

Plot Number and Structural Stage

| Layer | Latin Name | Mean | | RG017 | RG026 | RG032 | RG067 | CG13 | CG64 | RG013 | RG035 |
|----------|---------------------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| | | Presence | Cover | 3a | 3a | 3a | 3b | 5 | 5 | 5 | 5 |
| C | Layer Total | 100 | 1.1 | 34 | 22 | 20 | 55 | 15 | 21 | 35 | 2.5 |
| D | Aulacomnium palustre | 90 | 10.9 | 10 | 25 | 10 | 20 | 5 | 5 | | 7 |
| D | Cladina mitis | 40 | 1.2 | 1 | 0.5 | | | 10 | | | 0.1 |
| D | Cladonia sp. | 40 | 0.9 | 1 | 2 | | | 5 | | | 0.5 |
| D | Hylocomium splendens | 60 | 14.5 | 25 | 5 | | | 15 | | 35 | 55 |
| D | Peltigera aphthosa | 20 | 0.7 | | | | | 5 | | | |
| D | Peltigera sp. | 10 | 0.2 | | | | | | | | 2 |
| D | Pleurozium schreberi | 40 | 7.2 | 7 | 20 | 10 | | | | | 35 |
| D | Ptilium crista-castrensis | 10 | 0.5 | | | | | | | 5 | |
| D | Rhizomnium sp. | 10 | 1.0 | | | | | | | | |
| D | Sphagnum sp. | 80 | 27.0 | 35 | 45 | 75 | 65 | | 5 | 7 | 3 |
| D | Tomentypnum nitens | 20 | 4.5 | 20 | | | | | | 25 | |
| D | Layer Total | 100 | 6.2 | 95 | 95 | 95 | 85 | 35 | 10 | 85 | 92 |

BWBSmw2
07 TH
Lt - Horsetail
10 Plots

| | | CG54 | CG63 |
|----------|----------------------------------|-----------|-----------|
| Layer | Latin Name | 6 | 7 |
| A | Larix laricina | | 5 |
| A | Picea glauca | | 15 |
| A | Picea mariana | 50 | |
| A | Layer Total | 50 | 20 |
| B | Alnus incana ssp. tenuifolia | 15 | 40 |
| B | Betula nana | | |
| B | Betula papyrifera | | 3 |
| B | Chamaedaphne calyculata | | |
| B | Cornus stolonifera | | 1 |
| B | Juniperus communis | | |
| B | Larix laricina | | 1 |
| B | Ledum groenlandicum | 5 | |
| B | Myrica gale | | |
| B | Picea glauca | | 2 |
| B | Picea mariana | 25 | |
| B | Populus balsamifera | | |
| B | Populus tremuloides | | |
| B | Potentilla fruticosa | | |
| B | Ribes glandulosum | | 15 |
| B | Ribes lacustre | | |
| B | Rosa acicularis | | |
| B | Salix sp. | | |
| B | Shepherdia canadensis | | |
| B | Viburnum edule | | |
| B | Layer Total | 40 | 55 |
| C | Achillea millefolium | | |
| C | Arctostaphylos alpina var. rubra | | |
| C | Aster ciliolatus | | |
| C | Calamagrostis canadensis | | |
| C | Carex aquatilis | | |
| C | Carex capillaris | | |
| C | Carex disperma | 30 | |
| C | Carex sp. | | |
| C | Circaea alpina | | 10 |
| C | Cornus canadensis | 1 | 2 |
| C | Epilobium angustifolium | | |
| C | Equisetum arvense | 10 | 35 |
| C | Equisetum scirpoides | | |
| C | Fragaria virginiana var. glauca | | |
| C | Galium boreale | | |
| C | Geocaulon lividum | | |
| C | Linnaea borealis | | |
| C | Mertensia paniculata | | |
| C | Mitella nuda | | 3 |
| C | Oxycoccus oxycoccus | | |
| C | Petasites sagittatus | | 3 |
| C | Platanthera sp. | | 1 |
| C | Potentilla palustris | | |
| C | Ranunculus gmelinii | 0.5 | |
| C | Rubus chamaemorus | | |
| C | Rubus pubescens | | 5 |
| C | Smilacina trifolia | | |
| C | Torreyochloa pauciflora | 1 | 10 |
| C | Vaccinium caespitosum | | |
| C | Vaccinium vitis-idaea | 5 | 2 |

| | | CG54 | CG63 |
|----------|---------------------------|-----------|-----------|
| Layer | Latin Name | 6 | 7 |
| C | Layer Total | 40 | 60 |
| D | Aulacomnium palustre | 25 | 2 |
| D | Cladina mitis | | |
| D | Cladonia sp. | | |
| D | Hylocomium splendens | 10 | |
| D | Peltigera aphthosa | 2 | |
| D | Peltigera sp. | | |
| D | Pleurozium schreberi | | |
| D | Ptilium crista-castrensis | | |
| D | Rhizomnium sp. | | 10 |
| D | Sphagnum sp. | 35 | |
| D | Tomentypnum nitens | | |
| D | Layer Total | 65 | 12 |

BWBSmw2
08 BS
Sb - Cloudberry - Sphagnum
15 Plots

Plot Number and Structural Stage

| Layer | Latin Name | Presence | Mean Cover | CG15 3 | CG25 3 | CG38 3 | RG001 3 | RG008 3 | RG038 3 | RG055 3 | CG09 4 | CG32 4 | RG004 4 | RG007 4 | RG021 4 | RG029 4 | RG030 4 |
|----------|-------------------------|------------|-------------|-----------|-----------|-----------|------------|------------|------------|------------|-----------|-----------|------------|------------|------------|------------|------------|
| A | Larix laricina | 13 | 0.1 | | | | | | | | | | 1 | 0.1 | | | |
| A | Picea mariana | 40 | 2.3 | | | | 2 | 1 | | | | 5 | | 1 | | | 20 |
| A | Layer Total | 100 | 1.2 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 5 | 1 | 1 | 0 | 0 | 20 |
| B | Betula nana | 53 | 1.8 | | 3 | 2 | 4 | | 0.5 | | | 10 | | 5 | | | 2 |
| B | Chamaedaphne calyculata | 80 | 7.2 | 15 | 10 | 1 | 20 | 3 | | 5 | | | 10 | 3 | 15 | 10 | 15 |
| B | Larix laricina | 73 | 1.2 | | 1 | 1 | 0.5 | 2 | 1 | 1 | | 1 | | 4 | 2 | | 0.1 |
| B | Ledum groenlandicum | 100 | 32.3 | 30 | 40 | 30 | 50 | 25 | 25 | 35 | 45 | 30 | 30 | 15 | 25 | 30 | 35 |
| B | Picea mariana | 100 | 30.8 | 25 | 25 | 25 | 17 | 25 | 50 | 30 | 35 | 45 | 30 | 35 | 45 | 30 | 20 |
| B | Pinus contorta | 13 | 0.1 | | | 1 | | | | | | | 1 | | | | |
| B | Salix sp. | 7 | 0.1 | | | | | | | | | 2 | | | | | |
| B | Layer Total | 100 | 10.5 | 65 | 75 | 55 | 75 | 45 | 60 | 55 | 75 | 80 | 60 | 60 | 75 | 60 | 60 |
| C | Carex sp. | 20 | 0.8 | | | | 0.1 | | | | | | | 2 | 10 | | |
| C | Equisetum scirpoides | 7 | 0.0 | | | | | | | | | | 0.01 | | | | |
| C | Eriophorum chamissonis | 7 | 0.1 | | | 1 | | | | | | | | | | | |
| C | Eriophorum sp. | 13 | 0.1 | 1 | 1 | | | | | | | | | | | | |
| C | Geocaulon lividum | 7 | 0.0 | | | | | | | | | | | | | | |
| C | Oxycoccus oxycoccus | 80 | 1.2 | 1 | 2 | | 1 | 1 | 1 | 1 | | 2 | 2 | 3 | 0.5 | 2 | |
| C | Rubus chamaemorus | 93 | 6.5 | 15 | 5 | 15 | 3 | 4 | 10 | 7 | | 10 | 3 | 5 | 5 | 5 | 3 |
| C | Smilacina trifolia | 47 | 0.6 | 1 | | | | 0.5 | 0.1 | 2 | | | 4 | | 1 | | |
| C | Vaccinium vitis-idaea | 93 | 5.6 | 3 | 5 | 10 | 5 | 3 | 3 | 10 | 10 | 5 | 2 | 7 | | 10 | 0.5 |
| C | Layer Total | 100 | 1.7 | 20 | 13 | 25 | 9 | 8 | 14 | 20 | 10 | 17 | 13 | 17 | 16 | 17 | 3 |
| D | Aulacomnium palustre | 7 | 0.7 | | | | | | | | | 10 | | | | | |
| D | Cetraria sp. | 7 | 0.1 | | | | | | 1 | | | | | | | | |
| D | Cladina mitis | 87 | 12.1 | 30 | 5 | 25 | | 12 | 20 | 5 | 60 | | 7 | 2 | 2 | 2 | 2 |
| D | Cladonia multiformis | 7 | 0.1 | 2 | | | | | | | | | | | | | |
| D | Cladonia sp. | 53 | 1.5 | | 2 | | | | 2 | 2 | | | | 1 | 7 | 1 | 4 |
| D | Dicranum sp. | 20 | 0.3 | | | | | | | | | | | | 1 | 1 | 2 |
| D | Hylocomium splendens | 13 | 4.0 | | | | | | | | | 40 | | | | | 20 |
| D | Peltigera sp. | 7 | 0.1 | | | | | | | 2 | | | | | | | |
| D | Pleurozium schreberi | 20 | 4.0 | | | | | | 5 | | | 15 | | | | | 40 |
| D | Polytrichum sp. | 7 | 0.1 | | | | | | 1 | | | | | | | | |
| D | Sphagnum sp. | 100 | 73.7 | 65 | 85 | 75 | 95 | 90 | 70 | 80 | 30 | 35 | 90 | 95 | 85 | 95 | 30 |
| D | Layer Total | 100 | 8.8 | 95 | 90 | 95 | 95 | 95 | 98 | 89 | 90 | 95 | 95 | 95 | 95 | 99 | 95 |

BWBSmw2
08 BS
Sb - Cloudberry - Sphagnum
15 Plots

| | | RG051 |
|--------------|-------------------------|--------------|
| Layer | Latin Name | 4 |
| A | Larix laricina | |
| A | Picea mariana | 5 |
| A | Layer Total | 5 |
| B | Betula nana | 1 |
| B | Chamaedaphne calyculata | 1 |
| B | Larix laricina | 4 |
| B | Ledum groenlandicum | 40 |
| B | Picea mariana | 25 |
| B | Pinus contorta | |
| B | Salix sp. | |
| B | Layer Total | 60 |
| C | Carex sp. | |
| C | Equisetum scirpoides | |
| C | Eriophorum chamissonis | |
| C | Eriophorum sp. | |
| C | Geocaulon lividum | 0.01 |
| C | Oxycoccus oxycoccus | 2 |
| C | Rubus chamaemorus | 7 |
| C | Smilacina trifolia | 1 |
| C | Vaccinium vitis-idaea | 10 |
| C | Layer Total | 20 |
| D | Aulacomnium palustre | |
| D | Cetraria sp. | |
| D | Cladina mitis | 10 |
| D | Cladonia multiformis | |
| D | Cladonia sp. | 3 |
| D | Dicranum sp. | |
| D | Hylocomium splendens | |
| D | Peltigera sp. | |
| D | Pleurozium schreberi | |
| D | Polytrichum sp. | |
| D | Sphagnum sp. | 85 |
| D | Layer Total | 95 |

BWBSmw2
09 BW
Sb - Willow
13 Plots

Plot Number and Structural Stage

| Layer | Latin Name | Mean | | RG012 | RG059 | CG42 | CG43 | CG51 | CG74 | CG17 | CG23 | CG53 | RG040 | RG043 | CG04 | CG35 |
|----------|--|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | Presence | Cover | 3a | 3a | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 |
| A | <i>Larix laricina</i> | 15 | 1.2 | | | | | 10 | | | 5 | | | | | |
| A | <i>Picea glauca</i> | 8 | 0.8 | | | | | 10 | | | | | | | | |
| A | <i>Picea mariana</i> | 69 | 10.2 | 5 | | | | 10 | | 10 | 5 | 40 | 15 | 2 | 25 | 20 |
| A | <i>Pinus contorta</i> | 8 | 0.2 | 2 | | | | | | | | | | | | |
| A | Layer Total | 100 | 3.1 | 7 | 0 | 0 | 0 | 30 | 0 | 10 | 10 | 40 | 15 | 2 | 25 | 20 |
| B | <i>Alnus incana</i> ssp. <i>tenuifolia</i> | 36 | 1.1 | 3 | 1 | | | | | | | | 5 | | | 3 |
| B | <i>Betula nana</i> | 55 | 1.7 | 4 | 2 | 2 | 3 | | | 1 | | | 7 | | | |
| B | <i>Betula papyrifera</i> | 23 | 0.5 | | | | | | 5 | | | | | | 1 | 1 |
| B | <i>Cornus stolonifera</i> | 9 | 0.0 | | | | | 0.2 | | | | | | | | |
| B | <i>Ledum groenlandicum</i> | 92 | 22.3 | 3 | 5 | 40 | 30 | | 60 | 5 | 35 | 15 | 7 | 20 | 60 | 10 |
| B | <i>Picea glauca</i> | 9 | 2.7 | | | | | 30 | | | | | | | | |
| B | <i>Picea mariana</i> | 100 | 44.2 | 55 | 90 | 50 | 60 | 40 | 70 | 60 | 25 | 30 | 25 | 45 | 10 | 15 |
| B | <i>Pinus contorta</i> | 9 | 0.3 | 3 | | | | | | | | | | | | |
| B | <i>Potentilla fruticosa</i> | 9 | 0.3 | 3 | | | | | | | | | | | | |
| B | <i>Ribes glandulosum</i> | 9 | 0.1 | | | | | | | 1 | | | | | | |
| B | <i>Ribes triste</i> | 9 | 0.0 | | | | | 0.2 | | | | | | | | |
| B | <i>Rosa acicularis</i> | 58 | 0.7 | 1 | | | | 1 | | | 1 | 1 | 2 | | 1 | 1 |
| B | <i>Salix</i> sp. | 92 | 5.8 | 12 | 5 | 3 | 1 | 10 | 1 | 2 | 2 | 2 | 35 | | 1 | 1 |
| B | Layer Total | 100 | 6.1 | 70 | 90 | 85 | 80 | 75 | 95 | 60 | 60 | 45 | 75 | 60 | 70 | 25 |
| C | <i>Achillea millefolium</i> | 9 | 0.0 | | | | | | | | | | 0.1 | | | |
| C | <i>Arctostaphylos alpina</i> var. <i>rubra</i> | 33 | 1.0 | 5 | | 2 | | | | | 2 | | 3 | | | |
| C | <i>Aster ciliolatus</i> | 9 | 0.0 | | | | | | | | | | 0.5 | | | |
| C | <i>Calamagrostis canadensis</i> | 8 | 0.1 | | | | | | 1 | | | | | | | |
| C | <i>Carex</i> sp. | 27 | 0.4 | 1 | | 1 | | | | | | | 2 | | | |
| C | <i>Cornus canadensis</i> | 45 | 0.7 | | 2 | | | 1 | | 1 | | | | | 2 | 2 |
| C | <i>Empetrum nigrum</i> | 17 | 0.4 | | | | | | | 2 | 3 | | | | | |
| C | <i>Epilobium angustifolium</i> | 9 | 0.1 | | | | | 1 | | | | | | | | |
| C | <i>Equisetum arvense</i> | 55 | 0.5 | 3 | 0.5 | | | 0.5 | | 0.5 | | 1 | 0.5 | | | |
| C | <i>Equisetum sylvaticum</i> | 18 | 1.5 | | | | | | | | | | | | 1 | 15 |
| C | <i>Fragaria virginiana</i> var. <i>glauca</i> | 9 | 0.1 | | | | | | | | | | 1 | | | |
| C | <i>Geocaulon lividum</i> | 33 | 0.4 | | | | | | | | 1 | | 0.1 | 0.1 | | 3 |
| C | <i>Linnaea borealis</i> | 18 | 1.4 | | | | | 10 | | | | | 5 | | | |
| C | <i>Listera cordata</i> | 9 | 0.0 | 0.1 | | | | | | | | | | | | |
| C | <i>Lycopodium annotinum</i> | 8 | 0.0 | | | | | | 0.2 | | | | | | | |
| C | <i>Mertensia paniculata</i> | 18 | 0.1 | | | | | 1 | | | | | 0.5 | | | |
| C | <i>Mitella nuda</i> | 18 | 0.1 | | | | | 0.5 | | | | | 0.5 | | | |
| C | <i>Penstemon fruticosus</i> | 9 | 0.2 | | | | | | | | | | 2 | | | |
| C | <i>Petasites frigidus</i> var. <i>palmatus</i> | 9 | 0.1 | | | | | 1 | | | | | | | | |
| C | <i>Pyrola grandiflora</i> | 8 | 0.2 | | | | | | 2 | | | | | | | |
| C | <i>Pyrola</i> sp. | 9 | 0.0 | | 0.5 | | | | | | | | | | | |
| C | <i>Rubus chamaemorus</i> | 36 | 1.7 | | | 10 | | | | | | | | 2 | 5 | 2 |
| C | <i>Salix</i> sp. | 9 | 0.2 | | | | | | | | | | 2 | | | |
| C | <i>Smilacina trifolia</i> | 9 | 0.0 | | 0.5 | | | | | | | | | | | |
| C | <i>Vaccinium vitis-idaea</i> | 92 | 7.7 | | 1 | 25 | 10 | 2 | 10 | 2 | 15 | 10 | 5 | 3 | 7 | 10 |
| C | Layer Total | 100 | 0.7 | 11 | 4 | 35 | 10 | 15 | 13 | 4 | 20 | 11 | 20 | 5 | 14 | 30 |
| D | <i>Aulacomnium palustre</i> | 31 | 3.2 | 2 | | | | | 10 | | 5 | | 25 | | | |
| D | <i>Cladina mitis</i> | 50 | 10.2 | | 2 | 40 | 50 | | | | 20 | | | 7 | 3 | |
| D | <i>Cladina rangiferina</i> | 38 | 1.5 | 1 | | | | | 3 | | 5 | 5 | | 5 | | |
| D | <i>Cladonia</i> sp. | 31 | 0.5 | 1 | 2 | | | | 1 | | | | | 2 | | |
| D | <i>Dicranum</i> sp. | 27 | 0.8 | 5 | 2 | | | | | | | | | 2 | | |
| D | <i>Dicranum scoparium</i> | 8 | 0.2 | | | | | | | | 2 | | | | | |
| D | <i>Hylocomium splendens</i> | 100 | 40.8 | 30 | 35 | 20 | 20 | 60 | 60 | 75 | 55 | 60 | 15 | 30 | 40 | 30 |
| D | <i>Peltigera aphthosa</i> | 23 | 0.8 | | | | | | 1 | | 5 | | | | | 5 |
| D | <i>Peltigera</i> sp. | 36 | 0.4 | 1 | 0.5 | | | | | | | | 2 | 1 | | |
| D | <i>Pleurozium schreberi</i> | 100 | 25.4 | 20 | 15 | 10 | 20 | 25 | 25 | 10 | 10 | 35 | 30 | 50 | 40 | 40 |
| D | <i>Sphagnum</i> sp. | 36 | 4.7 | | | 15 | | | | | | | | 2 | 5 | 30 |
| D | <i>Tomentypnum nitens</i> | 18 | 3.2 | 30 | | 5 | | | | | | | | | | |
| D | Layer Total | 100 | 7.6 | 90 | 56 | 85 | 85 | 80 | 90 | 80 | 90 | 90 | 72 | 95 | 85 | 95 |

BWBSmw2
10 TB
Lt - Buckbean
13 Plots

| | | Plot Number and Structural Stage | | | | | | | | |
|----------|-------------------------------------|----------------------------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Layer | Latin Name | Mean | | CG12 | CG16 | CG21 | CG24 | CG29 | CG33 | CG37 |
| | | Presence | Cover | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| A | <i>Betula papyrifera</i> | 8 | 0.2 | | | | | | | |
| A | <i>Larix laricina</i> | 15 | 0.5 | | | | | | | |
| A | <i>Picea mariana</i> | 15 | 0.6 | | | | | | | |
| A | Layer Total | 100 | 0.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B | <i>Alnus incana ssp. tenuifolia</i> | 8 | 0.2 | | | | | | | |
| B | <i>Betula nana</i> | 100 | 29.2 | 5 | 30 | 35 | 35 | 15 | 50 | 5 |
| B | <i>Betula papyrifera</i> | 15 | 0.5 | | | | | | | |
| B | <i>Chamaedaphne calyculata</i> | 69 | 10.4 | 2 | 20 | | 25 | 50 | 15 | 15 |
| B | <i>Larix laricina</i> | 92 | 2.8 | 1 | 1 | 2 | 5 | 1 | 1 | 1 |
| B | <i>Ledum groenlandicum</i> | 38 | 1.2 | 5 | | | | | | 2 |
| B | <i>Myrica gale</i> | 77 | 14.8 | | 10 | 60 | 15 | 15 | 45 | |
| B | <i>Picea mariana</i> | 77 | 5.0 | 10 | 5 | | 5 | 1 | 1 | 2 |
| B | <i>Salix sp.</i> | 69 | 5.3 | 1 | 10 | 15 | 2 | | | |
| B | Layer Total | 100 | 7.7 | 22 | 70 | 95 | 75 | 75 | 95 | 20 |
| C | <i>Andromeda polifolia</i> | 8 | 0.8 | | | | | | | |
| C | <i>Calamagrostis canadensis</i> | 8 | 1.2 | | | | | | | |
| C | <i>Carex aquatilis</i> | 46 | 10.4 | | | | | 35 | | 10 |
| C | <i>Carex capillaris</i> | 15 | 3.1 | | | | | | | |
| C | <i>Carex sitchensis</i> | 46 | 14.0 | 60 | 10 | 10 | | | 2 | 40 |

Plot Number and Structural Stage

| Layer | Latin Name | Mean | | CG12 | CG16 | CG21 | CG24 | CG29 | CG33 | CG37 |
|----------|--------------------------|------------|------------|-----------|-----------|-----------|----------|-----------|-----------|-----------|
| | | Presence | Cover | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| C | Carex sp. | 31 | 2.2 | | | | 1 | | | |
| C | Carex utriculata | 8 | 1.2 | | | | | | | |
| C | Drosera anglica | 8 | 0.4 | | | | | | | |
| C | Equisetum fluviatile | 8 | 0.8 | | 10 | | | | | |
| C | Equisetum sp. | 8 | 0.1 | | | | | | | |
| C | Eriophorum angustifolium | 8 | 0.9 | | | | | | | |
| C | Eriophorum chamissonis | 15 | 0.4 | | | | | | | 2 |
| C | Menyanthes trifoliata | 8 | 1.2 | | | | | | | |
| C | Oxycoccus oxycoccus | 38 | 0.7 | 1 | | | 0.5 | | 1 | |
| C | Pedicularis groenlandica | 8 | 0.2 | | | | | | | |
| C | Potentilla palustris | 23 | 0.3 | | | | | | | |
| C | Potentilla sp. | 23 | 0.4 | | 2 | | 2 | | | |
| C | Rubus chamaemorus | 23 | 0.2 | 1 | | | 1 | | | |
| C | Smilacina trifolia | 62 | 2.7 | 2 | 5 | | | | 10 | 5 |
| C | Trichophorum cespitosum | 8 | 0.5 | | | | | | | |
| C | Utricularia sp. | 8 | 0.2 | | | | | | | |
| C | Vaccinium vitis-idaea | 23 | 0.4 | 1 | | | | | | |
| C | Layer Total | 100 | 1.9 | 60 | 25 | 10 | 4 | 35 | 13 | 50 |
| D | Aulacomnium palustre | 38 | 5.0 | | | | | 30 | 10 | |
| D | Calliergon sp. | 15 | 5.0 | | | 5 | | | | |
| D | Drepanocladus sp. | 8 | 2.3 | | | | | | 30 | |
| D | Plagiomnium sp. | 8 | 0.2 | | | | | | | |
| D | Pleurozium schreberi | 8 | 0.4 | | | | | | | |

Plot Number and Structural Stage

| Layer | Latin Name | Presence | Mean Cover | CG12 | CG16 | CG21 | CG24 | CG29 | CG33 | CG37 |
|----------|--------------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| D | Sphagnum sp. | 85 | 45.8 | 90 | 75 | 10 | 90 | | 50 | 80 |
| D | Tomentypnum nitens | 8 | 1.5 | | | | | | | |
| D | Layer Total | 100 | 8.6 | 90 | 75 | 15 | 90 | 30 | 90 | 80 |

BWBSmw2
10 TB
Lt - Buckbean
13 Plots

| | | CG08 | RG020 | RG066 | RG049 | RG063 | RG014 |
|----------|-------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Layer | Latin Name | 3a | 3a | 3a | 3b | 3b | 5 |
| A | <i>Betula papyrifera</i> | | | | | | 2 |
| A | <i>Larix laricina</i> | | 1 | | | | 5 |
| A | <i>Picea mariana</i> | | 3 | | | | 5 |
| A | Layer Total | 0 | 4 | 0 | 0 | 0 | 12 |
| B | <i>Alnus incana ssp. tenuifolia</i> | | | | | | 3 |
| B | <i>Betula nana</i> | 40 | 25 | 20 | 40 | 55 | 25 |
| B | <i>Betula papyrifera</i> | | | | | 1 | 5 |
| B | <i>Chamaedaphne calyculata</i> | | 3 | | | 2 | 3 |
| B | <i>Larix laricina</i> | 2 | 7 | 4 | 5 | | 7 |
| B | <i>Ledum groenlandicum</i> | | 1 | | | 5 | 3 |
| B | <i>Myrica gale</i> | 7 | 7 | 4 | 20 | 10 | |
| B | <i>Picea mariana</i> | 1 | 20 | | | 5 | 15 |
| B | <i>Salix sp.</i> | 10 | 15 | | 7 | 2 | 7 |
| B | Layer Total | 55 | 70 | 25 | 70 | 70 | 45 |
| C | <i>Andromeda polifolia</i> | | | 10 | | | |
| C | <i>Calamagrostis canadensis</i> | | | | | 15 | |
| C | <i>Carex aquatilis</i> | | 12 | 3 | 45 | | 30 |
| C | <i>Carex capillaris</i> | | | 20 | | 20 | |
| C | <i>Carex sitchensis</i> | 60 | | | | | |

| | | CG08 | RG020 | RG066 | RG049 | RG063 | RG014 |
|----------|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Layer | Latin Name | 3a | 3a | 3a | 3b | 3b | 5 |
| C | Carex sp. | | 10 | 10 | | | 7 |
| C | Carex utriculata | | | | 15 | | |
| C | Drosera anglica | | | 5 | | | |
| C | Equisetum fluviatile | | | | | | |
| C | Equisetum sp. | | | | | | 1 |
| C | Eriophorum angustifolium | | | 12 | | | |
| C | Eriophorum chamissonis | | | | | 3 | |
| C | Menyanthes trifoliata | | | 15 | | | |
| C | Oxycoccus oxycoccus | 5 | | | | 2 | |
| C | Pedicularis groenlandica | | | 2 | | | |
| C | Potentilla palustris | | 1 | | 0.5 | | 2 |
| C | Potentilla sp. | 1 | | | | | |
| C | Rubus chamaemorus | | | | | 1 | |
| C | Smilacina trifolia | 3 | 4 | | | 0.5 | 5 |
| C | Trichophorum cespitosum | | | 7 | | | |
| C | Utricularia sp. | | | 3 | | | |
| C | Vaccinium vitis-idaea | | 2 | | | 2 | |
| C | Layer Total | 60 | 28 | 80 | 60 | 45 | 43 |
| D | Aulacomnium palustre | | 5 | | | 10 | 10 |
| D | Calliergon sp. | | | 60 | | | |
| D | Drepanocladus sp. | | | | | | |
| D | Plagiomnium sp. | | 2 | | | | |
| D | Pleurozium schreberi | | | | 5 | | |

| | | CG08 | RG020 | RG066 | RG049 | RG063 | RG014 |
|----------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Layer | Latin Name | 3a | 3a | 3a | 3b | 3b | 5 |
| D | Sphagnum sp. | 25 | 80 | | 15 | 60 | 20 |
| D | Tomentypnum nitens | | | 20 | | | |
| D | Layer Total | 25 | 87 | 80 | 20 | 70 | 55 |

BWBSmw2

00 AB

Bebb's willow - Mountain alder - Bluejoint swamp

4 Plots

Plot Number and Structural Stage

| Layer | Latin Name | Presence | Mean Cover | RG072 3a | CG31 3b | CG65 3b | RG070 3b |
|----------|--|------------|------------|-------------|------------|------------|-------------|
| A | <i>Picea mariana</i> | 25 | 1.3 | | | | 5 |
| A | <i>Populus balsamifera</i> | 50 | 2.3 | 7 | | | 2 |
| A | <i>Populus tremuloides</i> | 25 | 0.8 | | | | 3 |
| A | <i>Salix</i> sp. | 75 | 27.0 | 3 | 40 | 65 | |
| A | Layer Total | 100 | 7.8 | 10 | 40 | 65 | 8 |
| B | <i>Alnus incana</i> ssp. <i>tenuifolia</i> | 100 | 30.0 | 45 | 35 | 5 | 35 |
| B | <i>Alnus viridis</i> ssp. <i>sinuata</i> | 25 | 6.3 | | | 25 | |
| B | <i>Betula papyrifera</i> | 75 | 3.8 | 3 | | 5 | 7 |
| B | <i>Cornus stolonifera</i> | 25 | 1.8 | | | | 7 |
| B | <i>Picea glauca</i> | 75 | 2.0 | 3 | 3 | 2 | |
| B | <i>Picea mariana</i> | 25 | 1.3 | | | | 5 |
| B | <i>Populus balsamifera</i> | 25 | 0.5 | | | | 2 |
| B | <i>Ribes hudsonianum</i> | 50 | 1.8 | | 5 | 2 | |
| B | <i>Ribes lacustre</i> | 75 | 1.0 | 1 | 2 | | 1 |
| B | <i>Rosa acicularis</i> | 50 | 1.8 | | 2 | | 5 |
| B | <i>Rubus idaeus</i> | 50 | 1.0 | 1 | | 3 | |
| B | <i>Salix</i> sp. | 100 | 19.3 | 30 | 30 | 10 | 7 |
| B | <i>Viburnum edule</i> | 75 | 8.3 | | 1 | 25 | 7 |
| B | Layer Total | 100 | 6.0 | 80 | 65 | 70 | 70 |
| C | <i>Actaea rubra</i> | 25 | 0.8 | | | 3 | |
| C | <i>Aralia nudicaulis</i> | 50 | 0.5 | | | 2 | 0.1 |
| C | <i>Calamagrostis canadensis</i> | 100 | 12.5 | 20 | 5 | 15 | 10 |
| C | <i>Carex</i> sp. | 25 | 0.8 | | 3 | | |
| C | <i>Circaea alpina</i> | 50 | 3.0 | 10 | | | 2 |
| C | <i>Cornus canadensis</i> | 50 | 3.3 | | 10 | | 3 |
| C | <i>Dryopteris expansa</i> | 25 | 3.8 | 15 | | | |
| C | <i>Epilobium angustifolium</i> | 25 | 0.5 | | 2 | | |
| C | <i>Equisetum arvense</i> | 50 | 3.3 | | 10 | | 3 |
| C | <i>Equisetum sylvaticum</i> | 50 | 4.5 | 8 | | | 10 |
| C | <i>Galium boreale</i> | 50 | 0.8 | 3 | | | 0.001 |
| C | <i>Galium triflorum</i> | 50 | 0.8 | | 1 | 2 | |
| C | <i>Geum macrophyllum</i> | 25 | 0.0 | 0.1 | | | |
| C | <i>Gymnocarpium dryopteris</i> | 25 | 0.1 | 0.5 | | | |
| C | <i>Linnaea borealis</i> | 50 | 5.3 | | 20 | | 1 |
| C | <i>Maianthemum canadense</i> | 25 | 1.3 | | | 5 | |
| C | <i>Mertensia paniculata</i> | 75 | 3.3 | 1 | 5 | 7 | |
| C | <i>Mitella nuda</i> | 100 | 4.3 | 3 | 7 | 3 | 4 |
| C | <i>Petasites frigidus</i> var. <i>palmatus</i> | 25 | 0.1 | | | | 0.5 |
| C | <i>Pyrola asarifolia</i> | 25 | 1.3 | | | 5 | |
| C | <i>Rubus pubescens</i> | 75 | 2.8 | | 5 | 5 | 1 |
| C | <i>Thalictrum occidentale</i> | 25 | 1.3 | | | 5 | |
| C | <i>Urtica dioica</i> | 25 | 0.0 | 0.1 | | | |
| C | <i>Viola</i> sp. | 75 | 0.7 | 0.1 | 2 | | 0.5 |
| C | Layer Total | 100 | 2.3 | 55 | 50 | 40 | 33 |
| D | <i>Calliergon</i> sp. | 25 | 1.3 | 5 | | | |
| D | <i>Dicranum</i> sp. | 25 | 0.5 | | | | 2 |
| D | <i>Hylocomium splendens</i> | 25 | 2.5 | | | | 10 |
| D | <i>Plagiomnium</i> sp. | 50 | 4.3 | 10 | | | 7 |
| D | <i>Pleurozium schreberi</i> | 25 | 1.3 | | | | 5 |
| D | <i>Ptilium crista-castrensis</i> | 25 | 0.8 | | | | 3 |
| D | <i>Rhizomnium</i> sp. | 25 | 2.5 | | 10 | | |
| D | Layer Total | 100 | 1.9 | 15 | 10 | 0 | 27 |

BWBSmw2

00 LR

Leatherleaf - Bog-rosemary - Sphagnum

7 Plots

Plot Number and Structural Stage

| Layer | Latin Name | Mean | | CG07 | CG40 | CG72 | CG73 | RG058 | RG003 | RG064 |
|----------|-------------------------|------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | Presence | Cover | 3a | 3a | 3a | 3a | 3a | 3b | 3b |
| A | Layer Total | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B | Betula nana | 33 | 0.3 | | 1 | 1 | | | | |
| B | Betula papyrifera | 17 | 0.1 | | | | | | 0.5 | |
| B | Chamaedaphne calyculata | 100 | 34.2 | 5 | 65 | 50 | 50 | 20 | 15 | 7 |
| B | Larix laricina | 17 | 0.1 | | | 0.5 | | | | |
| B | Ledum groenlandicum | 67 | 10.8 | 20 | | | 15 | 10 | 20 | 2 |
| B | Myrica gale | 17 | 0.3 | | | 2 | | | | |
| B | Picea mariana | 100 | 5.1 | 15 | 2 | 0.5 | 3 | 3 | 7 | 1 |
| B | Salix sp. | 17 | 0.2 | | | | | | 1 | |
| B | Layer Total | 100 | 6.4 | 35 | 65 | 50 | 65 | 30 | 40 | 10 |
| C | Andromeda polifolia | 33 | 9.2 | 25 | | | | 30 | | 40 |
| C | Carex aquatilis | 50 | 5.3 | | | 10 | 2 | | 20 | |
| C | Carex sp. | 17 | 0.2 | | 1 | | | | | 20 |
| C | Drosera rotundifolia | 17 | 0.2 | | | 1 | | | | |
| C | Eriophorum chamissonis | 17 | 2.0 | | | | | 12 | | |
| C | Eriophorum sp. | 67 | 0.9 | 0.5 | 1 | 1 | 3 | | | |
| C | Oxycoccus oxycoccus | 67 | 1.5 | 1 | | 5 | | 1 | 2 | |
| C | Rubus chamaemorus | 67 | 3.0 | 5 | | | 5 | 3 | 5 | 2 |
| C | Smilacina trifolia | 50 | 5.8 | 5 | | 25 | | 5 | | 30 |
| C | Vaccinium vitis-idaea | 33 | 0.9 | 0.5 | | | | | 5 | |
| C | Layer Total | 100 | 2.9 | 35 | 2 | 40 | 10 | 50 | 32 | 80 |
| D | Aulacomnium palustre | 17 | 1.2 | | | | | | 7 | |
| D | Polytrichum sp. | 17 | 0.8 | | | | | | 5 | |
| D | Sphagnum sp. | 100 | 94.7 | 95 | 99 | 95 | 99 | 95 | 85 | 95 |
| D | Layer Total | 100 | 32.2 | 95 | 99 | 95 | 99 | 95 | 95 | 95 |

BWBSmw2
00 SB
Sw - Currant - Bluebell
13 Plots

Plot Number and Structural Stage

| Layer | Latin Name | Presence | Mean Cover | CG03 | CG34 | CG62 | CG69 | CG70 | CG56 | RG018 | RG068 | CG66 |
|----------|---------------------------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 6 |
| A | Betula papyrifera | 31 | 5.4 | | | | | | 35 | | 5 | 15 |
| A | Picea glauca | 54 | 15.4 | | | | | | 20 | | 45 | 30 |
| A | Populus balsamifera | 8 | 0.2 | | | | | | | | | |
| A | Populus tremuloides | 31 | 10.4 | | | | | | | 40 | | 10 |
| A | Salix sp. | 8 | 0.5 | | | | | | | | | |
| A | Layer Total | 100 | 6.4 | 0 | 0 | 0 | 0 | 0 | 50 | 40 | 45 | 45 |
| B | Alnus incana ssp. tenuifolia | 85 | 11.7 | 15 | 25 | 15 | 40 | 1 | | | 17 | 10 |
| B | Alnus viridis ssp. sinuata | 23 | 1.0 | | | | | | | | | 5 |
| B | Betula papyrifera | 69 | 4.5 | 7 | 7 | 5 | 15 | | 10 | | 3 | |
| B | Cornus stolonifera | 46 | 2.2 | | | 2 | 2 | | | | 7 | 5 |
| B | Ledum groenlandicum | 15 | 0.2 | | 1 | | | | | | | |
| B | Picea engelmannii x glauca | 8 | 0.1 | 1 | | | | | | | | |
| B | Picea glauca | 85 | 9.6 | | 3 | 20 | 10 | 3 | 10 | 20 | 10 | 12 |
| B | Populus balsamifera | 8 | 0.4 | | 5 | | | | | | | |
| B | Populus tremuloides | 38 | 2.8 | 5 | 10 | 5 | | | | 15 | | |
| B | Ribes glandulosum | 8 | 0.2 | | | | | | | | | |
| B | Ribes hudsonianum | 31 | 0.5 | | 2 | 3 | 1 | 1 | | | | |
| B | Ribes lacustre | 8 | 0.0 | | | | | | | | | |
| B | Ribes sp. | 8 | 0.1 | | | | | | | | | |
| B | Rosa acicularis | 100 | 10.5 | 3 | 15 | 10 | 25 | 1 | 20 | 5 | 5 | 10 |
| B | Rubus idaeus | 15 | 0.9 | 2 | | 10 | | | | | | |
| B | Salix sp. | 77 | 5.8 | 5 | | 5 | 10 | 15 | 15 | 3 | 15 | |
| B | Shepherdia canadensis | 15 | 0.5 | | | | | | | 2 | | |
| B | Viburnum edule | 85 | 7.2 | | | 7 | 15 | 2 | 5 | 7 | 10 | 10 |
| B | Layer Total | 100 | 3.2 | 35 | 55 | 65 | 85 | 20 | 55 | 50 | 60 | 45 |
| C | Achillea millefolium | 15 | 0.2 | | | | | 3 | | | | |
| C | Actaea rubra | 15 | 0.5 | | | | 2 | | | | | 5 |
| C | Aralia nudicaulis | 38 | 0.7 | | | | 2 | | | | 1 | 5 |
| C | Aster ciliolatus | 15 | 0.0 | | | | | | | | | |
| C | Calamagrostis canadensis | 62 | 11.5 | 70 | 5 | | 25 | 25 | | 2 | 5 | 10 |
| C | Carex disperma | 15 | 0.3 | | 3 | | | | | | | 1 |
| C | Carex sp. | 8 | 0.2 | | | | | | | | 3 | |
| C | Cornus canadensis | 92 | 12.5 | | 10 | 3 | 40 | 2 | 25 | 7 | 10 | 15 |
| C | Dryopteris expansa | 8 | 0.2 | | | | | | | | | |
| C | Elymus glaucus | 8 | 0.1 | | | | | | 1 | | | |
| C | Epilobium angustifolium | 54 | 1.8 | 5 | 5 | 10 | 2 | | | 1 | | |
| C | Equisetum arvense | 69 | 12.3 | | 15 | 40 | 15 | 20 | 5 | | 30 | 10 |
| C | Equisetum sylvaticum | 38 | 4.4 | 2 | | 5 | 15 | | | | 20 | |
| C | Fragaria vesca | 8 | 0.1 | | | | | | | | | |
| C | Fragaria virginiana | 15 | 0.1 | | | | | | | | | |
| C | Fragaria virginiana var. glauca | 8 | 0.2 | | | 2 | | | | | | |
| C | Galium boreale | 31 | 0.2 | | | | | | 2 | 0.01 | | |
| C | Galium triflorum | 23 | 0.8 | | | 5 | 3 | | | | | |
| C | Geocaulon lividum | 8 | 0.0 | | | | | | | 0.001 | | |
| C | Geum macrophyllum | 23 | 1.0 | | | 10 | 1 | 2 | | | | |
| C | Gymnocarpium dryopteris | 15 | 0.3 | | | | | | | | | |
| C | Lathyrus ochroleucus | 15 | 0.5 | | | | | 5 | | | | |
| C | Linnaea borealis | 46 | 2.2 | | | | | | | 12 | 5 | 5 |
| C | Lycopodium annotinum | 15 | 0.5 | | | | | | | | | 2 |
| C | Maianthemum canadense | 8 | 0.0 | | | | | | | | | |
| C | Mertensia paniculata | 38 | 1.9 | | | 7 | 5 | | 5 | | | 3 |
| C | Mitella nuda | 46 | 2.6 | | 15 | | | | | | 3 | |
| C | Orthilia secunda | 15 | 0.2 | | | | | | 1 | | | |

Plot Number and Structural Stage

| Layer | Latin Name | Mean | | CG03 | CG34 | CG62 | CG69 | CG70 | CG56 | RG018 | RG068 | CG66 |
|----------|--|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | Presence | Cover | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 6 |
| C | <i>Pedicularis labradorica</i> | 8 | 0.0 | | | | | | | 0.01 | | |
| C | <i>Petasites frigidus</i> var. <i>palmatus</i> | 31 | 0.9 | | | | 3 | | | | 3 | 3 |
| C | <i>Poa</i> sp. | 8 | 0.8 | | | 10 | | | | | | |
| C | <i>Pyrola asarifolia</i> | 8 | 0.0 | | | | | | | | | |
| C | <i>Pyrola chlorantha</i> | 8 | 0.1 | | | | | | | | | |
| C | <i>Rubus pubescens</i> | 85 | 5.6 | 3 | 5 | 5 | 10 | 7 | | | 7 | 10 |
| C | <i>Taraxacum officinale</i> | 8 | 0.2 | | | | | 3 | | | | |
| C | <i>Trientalis europaea</i> ssp. <i>arctica</i> | 8 | 0.0 | | | | | 0.5 | | | | |
| C | <i>Vaccinium vitis-idaea</i> | 31 | 0.7 | | | | | | | 4 | | |
| C | <i>Vicia americana</i> | 8 | 0.5 | | | | | 7 | | | | |
| C | <i>Viola</i> sp. | 54 | 1.2 | | 3 | 5 | 2 | | | | 0.5 | 2 |
| C | Layer Total | 100 | 1.7 | 75 | 55 | 80 | 85 | 60 | 35 | 26 | 75 | 55 |
| D | <i>Aulacomnium palustre</i> | 31 | 5.0 | 10 | 10 | | | 40 | | | 5 | |
| D | <i>Cladina rangiferina</i> | 8 | 0.0 | | | | | | | 0.01 | | |
| D | <i>Cladonia</i> sp. | 8 | 0.0 | | | | | | | 0.1 | | |
| D | <i>Hylocomium splendens</i> | 46 | 13.2 | | | | | | 10 | 20 | 20 | |
| D | <i>Peltigera</i> sp. | 8 | 0.1 | | | | | | | 1 | | |
| D | <i>Pleurozium schreberi</i> | 38 | 6.5 | | | | | | | 7 | 20 | |
| D | <i>Polytrichum</i> sp. | 8 | 1.2 | | | | | 15 | | | | |
| D | <i>Ptilium crista-castrensis</i> | 46 | 3.2 | | | | | | 5 | | 5 | 5 |
| D | <i>Rhizomnium</i> sp. | 38 | 1.6 | | | | 5 | | | | 3 | 2 |
| D | <i>Sphagnum</i> sp. | 15 | 0.3 | | | | 2 | 2 | | | | |
| D | Layer Total | 100 | 3.1 | 10 | 10 | 0 | 7 | 50 | 15 | 28 | 53 | 7 |

BWBSmw2
00 SB
Sw - Currant - Bluebell
13 Plots

| | | CG68 | RG052 | RG062 | CG48 |
|----------|---------------------------------|-----------|-----------|-----------|-----------|
| Layer | Latin Name | 6 | 6 | 6 | 7 |
| A | Betula papyrifera | 15 | | | |
| A | Picea glauca | 25 | 30 | 20 | 30 |
| A | Populus balsamifera | | 3 | | |
| A | Populus tremuloides | | 35 | 50 | |
| A | Salix sp. | 7 | | | |
| A | Layer Total | 40 | 60 | 65 | 30 |
| B | Alnus incana ssp. tenuifolia | 10 | 15 | 2 | 2 |
| B | Alnus viridis ssp. sinuata | 3 | | 5 | |
| B | Betula papyrifera | 7 | | 2 | 3 |
| B | Cornus stolonifera | 7 | 5 | | |
| B | Ledum groenlandicum | | | | 2 |
| B | Picea engelmannii x glauca | | | | |
| B | Picea glauca | 10 | 7 | 20 | |
| B | Populus balsamifera | | | | |
| B | Populus tremuloides | | 1 | | |
| B | Ribes glandulosum | 2 | | | |
| B | Ribes hudsonianum | | | | |
| B | Ribes lacustre | | 0.1 | | |
| B | Ribes sp. | | | 1 | |
| B | Rosa acicularis | 10 | 3 | 5 | 25 |
| B | Rubus idaeus | | | | |
| B | Salix sp. | 2 | 5 | | 1 |
| B | Shepherdia canadensis | | 4 | | |
| B | Viburnum edule | 15 | 7 | 10 | 5 |
| B | Layer Total | 50 | 40 | 40 | 30 |
| C | Achillea millefolium | | 0.001 | | |
| C | Actaea rubra | | | | |
| C | Aralia nudicaulis | | 0.01 | 0.5 | |
| C | Aster ciliolatus | | 0.5 | 0.1 | |
| C | Calamagrostis canadensis | 7 | | | |
| C | Carex disperma | | | | |
| C | Carex sp. | | | | |
| C | Cornus canadensis | 3 | 10 | 12 | 25 |
| C | Dryopteris expansa | 3 | | | |
| C | Elymus glaucus | | | | |
| C | Epilobium angustifolium | | 0.01 | | 1 |
| C | Equisetum arvense | 10 | | | 15 |
| C | Equisetum sylvaticum | 15 | | | |
| C | Fragaria vesca | | | 1 | |
| C | Fragaria virginiana | | 1 | 0.1 | |
| C | Fragaria virginiana var. glauca | | | | |
| C | Galium boreale | | 0.1 | 1 | |
| C | Galium triflorum | 2 | | | |
| C | Geocaulon lividum | | | | |
| C | Geum macrophyllum | | | | |
| C | Gymnocarpium dryopteris | 3 | | 0.5 | |
| C | Lathyrus ochroleucus | | 1 | | |
| C | Linnaea borealis | | 2 | 1 | 3 |
| C | Lycopodium annotinum | | | | 5 |
| C | Maianthemum canadense | | | 0.5 | |
| C | Mertensia paniculata | 5 | | | |
| C | Mitella nuda | 5 | 7 | 1 | 3 |
| C | Orthilia secunda | | | | 2 |

| | | CG68 | RG052 | RG062 | CG48 |
|----------|----------------------------------|-----------|-----------|-----------|-----------|
| Layer | Latin Name | 6 | 6 | 6 | 7 |
| C | Pedicularis labradorica | | | | |
| C | Petasites frigidus var. palmatus | | 3 | | |
| C | Poa sp. | | | | |
| C | Pyrola asarifolia | | | 0.01 | |
| C | Pyrola chlorantha | | 1 | | |
| C | Rubus pubescens | 15 | 1 | 5 | 5 |
| C | Taraxacum officinale | | | | |
| C | Trientalis europaea ssp. arctica | | | | |
| C | Vaccinium vitis-idaea | | 0.1 | 0.5 | 5 |
| C | Vicia americana | | | | |
| C | Viola sp. | 3 | | 0.1 | |
| C | Layer Total | 60 | 25 | 20 | 50 |
| D | Aulacomnium palustre | | | | |
| D | Cladina rangiferina | | | | |
| D | Cladonia sp. | | | | |
| D | Hylocomium splendens | | 65 | 12 | 45 |
| D | Peltigera sp. | | | | |
| D | Pleurozium schreberi | | 20 | 7 | 30 |
| D | Polytrichum sp. | | | | |
| D | Ptilium crista-castrensis | | 10 | 2 | 15 |
| D | Rhizomnium sp. | 10 | 0.5 | | |
| D | Sphagnum sp. | | | | |
| D | Layer Total | 10 | 95 | 21 | 85 |

BWBSmw2
00 SS
Scrub birch - Willow - Water Sedge fen
5 Plots

Plot Number and Structural Stage

| Layer | Latin Name | Presence | Mean Cover | Plot Number and Structural Stage | | | | |
|----------|--------------------------|------------|------------|----------------------------------|-------------|-------------|-------------|-------------|
| | | | | CG26 2b | RG006 2b | RG009 2b | RG019 2b | RG060 2b |
| A | Layer Total | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 |
| B | Betula nana | 40 | 1.8 | | 7 | 2 | | |
| B | Chamaedaphne calyculata | 20 | 1.4 | | 7 | | | |
| B | Picea mariana | 20 | 0.6 | | 3 | | | |
| B | Rosa acicularis | 20 | 0.1 | | | | 0.5 | |
| B | Salix sp. | 40 | 1.6 | 5 | | 3 | | |
| B | Layer Total | 100 | 1.1 | 5 | 15 | 5 | 0.5 | 0 |
| C | Calamagrostis canadensis | 40 | 18.0 | | | | 85 | 5 |
| C | Carex aquatilis | 60 | 28.0 | | 40 | 65 | | 35 |
| C | Carex canescens | 20 | 2.0 | | | | | 10 |
| C | Carex sitchensis | 20 | 17.0 | 85 | | | | |
| C | Carex sp. | 40 | 1.5 | | | 7 | 0.5 | |
| C | Carex utriculata | 20 | 9.0 | | | | | 45 |
| C | Epilobium sp. | 20 | 0.2 | | | | | 1 |
| C | Equisetum arvense | 20 | 0.4 | | | | 2 | |
| C | Equisetum fluviatile | 20 | 0.2 | 1 | | | | |
| C | Eriophorum angustifolium | 20 | 1.0 | | 5 | | | |
| C | Eriophorum chamissonis | 20 | 0.4 | | 2 | | | |
| C | Mertensia paniculata | 20 | 0.0 | | | | 0.1 | |
| C | Oxycoccus oxycoccus | 20 | 1.0 | | 5 | | | |
| C | Potentilla norvegica | 20 | 0.1 | | | | | 0.5 |
| C | Potentilla palustris | 40 | 1.0 | | | 3 | | 2 |
| C | Smilacina trifolia | 20 | 1.0 | | 5 | | | |
| C | Thalictrum sp. | 20 | 0.0 | | | | 0.01 | |
| C | Urtica dioica | 20 | 0.1 | | | | 0.5 | |
| C | Layer Total | 100 | 4.5 | 85 | 55 | 75 | 85 | 95 |
| D | Aulacomnium palustre | 20 | 12.0 | | | 60 | | |
| D | Calliergon sp. | 40 | 1.6 | | | | 3 | 5 |
| D | Drepanocladus sp. | 20 | 1.0 | 5 | | | | |
| D | Plagiomnium sp. | 20 | 2.0 | | | | 10 | |
| D | Sphagnum sp. | 20 | 17.0 | | 85 | | | |
| D | Layer Total | 100 | 6.7 | 5 | 85 | 90 | 13 | 5 |

BWBSmw2

00 WB

Drummond's willow - Bluejoint low bench / swamp

7 Plots

Plot Number and Structural Stage

| Layer | Latin Name | Mean | | CG22 | CG50 | CG67 | CG75 | CG39 | RG037 | RG010 |
|----------|--|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | Presence | Cover | 2b | 2b | 2b | 2b | 3a | 3a | 3b |
| A | Layer Total | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B | <i>Alnus incana</i> ssp. <i>tenuifolia</i> | 57 | 11.6 | | 1 | 10 | | | 65 | 5 |
| B | <i>Betula nana</i> | 14 | 1.0 | | | | | | | 7 |
| B | <i>Larix laricina</i> | 29 | 0.3 | | | | | 1 | | 1 |
| B | <i>Picea glauca</i> | 14 | 0.1 | | | | | 1 | | |
| B | <i>Picea mariana</i> | 14 | 0.1 | | | | | | | 0.5 |
| B | <i>Populus tremuloides</i> | 14 | 0.1 | | | | 1 | | | |
| B | <i>Rosa acicularis</i> | 14 | 0.1 | | | | | | 1 | |
| B | <i>Rubus idaeus</i> | 14 | 0.3 | | | 2 | | | | |
| B | <i>Salix</i> sp. | 100 | 19.1 | 10 | 3 | 1 | 5 | 50 | 55 | 10 |
| B | Layer Total | 100 | 3.6 | 10 | 4 | 13 | 6 | 50 | 80 | 22 |
| C | <i>Achillea millefolium</i> | 14 | 0.1 | | | | | | 1 | |
| C | <i>Andromeda polifolia</i> | 14 | 0.1 | | | | | 1 | | |
| C | <i>Artemisia</i> sp. | 14 | 0.3 | | | | | | 2 | |
| C | <i>Calamagrostis canadensis</i> | 71 | 38.4 | 10 | 10 | 95 | 99 | | 55 | |
| C | <i>Carex aquatilis</i> | 14 | 10.0 | | | | | 70 | | |
| C | <i>Carex sitchensis</i> | 14 | 10.0 | 70 | | | | | | |
| C | <i>Carex</i> sp. | 43 | 23.6 | | 75 | 5 | | | | 85 |
| C | <i>Carex utriculata</i> | 29 | 2.1 | | | | 5 | 10 | | |
| C | <i>Delphinium glaucum</i> | 14 | 0.3 | 2 | | | | | | |
| C | <i>Epilobium angustifolium</i> | 14 | 0.1 | 1 | | | | | | |
| C | <i>Equisetum arvense</i> | 14 | 5.7 | | | | | | 40 | |
| C | <i>Geum macrophyllum</i> | 14 | 0.4 | | | 3 | | | | |
| C | <i>Mertensia paniculata</i> | 14 | 0.7 | 5 | | | | | | |
| C | <i>Polygonum</i> sp. | 14 | 0.1 | | | | 0.5 | | | |
| C | <i>Potentilla palustris</i> | 14 | 0.3 | | | | | | | 2 |
| C | <i>Potentilla</i> sp. | 29 | 0.6 | | 1 | | | | 3 | |
| C | Layer Total | 100 | 5.8 | 85 | 85 | 95 | 99 | 75 | 80 | 87 |
| D | <i>Aulacomnium palustre</i> | 29 | 5.7 | | | | | 30 | | 10 |
| D | <i>Sphagnum</i> sp. | 14 | 1.4 | | | | | 10 | | |
| D | Layer Total | 100 | 3.6 | 0 | 0 | 0 | 0 | 40 | 0 | 10 |

APPENDIX C

Environmental Data Synthesis Tables (Appendix Formatting is not Preserved from Original Excel Format)

BWBSmw2
 01 AM
 SwAt - Step moss
 22 Plots

| Field Name | Mean | Range | CG05 | CG06 | CG36 | CG41 | CG55 | CG57 | CG76 | RG005 | CG11 | CG18 | CG30 | CG52 |
|-------------------------------|------|---------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Structural Stage | | | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |
| Elevation | 443 | 339-706 | 395 | 470 | 390 | 450 | 356 | 368 | 368 | 434 | 525 | 510 | 490 | 477 |
| Slope Gradient | 3.8 | 0-14 | 0 | 10 | 3 | 0 | 0 | 10 | 0 | 4 | 0 | 0 | 0 | 0 |
| Aspect | | all | 999 | 30 | 170 | 999 | 999 | 310 | 999 | 345 | 999 | 999 | 999 | 999 |
| Slope Position | | all | LV | LW | LW | LV | LV | MD | LV | CR | LV | LV | LV | LV |
| Moisture Regime | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Nutrient Regime | | B-D | C | C | C | C | C | C | C | C | C | C | D | C |
| Surficial Terrain | | | zcL ^G b | czMbr | czMb | czMb | zcL ^G b | zcL ^G b | zcL ^G b | czMbr | czMb | czMb | czMb | czMb |
| Underlying Terrain | | | | | | | | | | | | | | |
| Soil Drainage | | m-w | m | w | m | w | m | m | w | m | m | w | w | w |
| Root Restricting Type | | | N | N | N | N | P | N | N | | N | N | N | N |
| Root Restricting Depth | | | | | | | 30 | | | | | | | |
| NTS Map Sheet | | | 94O.025 | 94O.026 | 94O.035 | 94O.068 | 94O.015 | 94O.016 | 94O.006 | 94O.026 | 94O.055 | 94O.045 | 94O.048 | 94O.029 |
| Surveyor | | | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | R.Dalziel D.Huntley | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall |
| Ecosection | | | FNL | FNL | FNL | FNL | FNL | FNL | FNL | FNL | MAU | MAU | FNL | FNL |
| UTM Zone | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| UTM Easting | | | 495015 | 504430 | 495200 | 527865 | 496165 | 504005 | 507590 | 506346 | 493625 | 489990 | 527335 | 544432 |
| UTM Northing | | | 6570305 | 6570080 | 6581010 | 6580335 | 6555775 | 6554570 | 6549325 | 6572957 | 6601945 | 6596180 | 6586330 | 656861 |
| Air Photo Number | | | 97042-16 - 086 | 97042-16- 080 | 97030-12- 088 | 97030-12- 066 | 97049-22- 042 | 97041-22- 102 | 97032-25- 184 | 30BCC97028- 15-154 | 97016-3- 096 | 97018-6- 156 | 97027-9- 030 | 97037-19- 026 |

BWBSmw2
01 AM
SwAt - Step moss
22 Plots

| Field Name | RG039 | RG041 | RG054 | CG58 | RG023 | RG024 | RG042 | RG061 | RG071 | CG19 |
|-------------------------------|------------------------|------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------------------|-----------------------|
| Structural Stage | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| Elevation | 515 | 706 | 348 | 365 | 497 | 459 | 339 | 406 | 347 | 540 |
| Slope Gradient | 8 | 12 | 14 | 5 | 8 | 4 | 0 | 5 | 0 | 0 |
| Aspect | 280 | 340 | 60 | 265 | 270 | 180 | 999 | 300 | 999 | 999 |
| Slope Position | LW | MD | TO | UP | MD | LV | LV | LV | LV | LV |
| Moisture Regime | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Nutrient Regime | B | C | D | C | C | C | C | C | C | C |
| Surficial Terrain | czMb | czMbj | czL ^G bj | zcl ^G b | szMb | czMb | zcl ^G b | czMb | czL ^G b | czMb |
| Underlying Terrain | | | | | | | | | | |
| Soil Drainage | m | w | m | m | m | m | m | m | m | w |
| Root Restricting Type | K | K | P | N | K | K | P | P | P | N |
| Root Restricting Depth | 35 | 45 | 45 | | 65 | 45 | 45 | 45 | 45 | |
| NTS Map Sheet | 94O.039 | 94O.040 | 94O.016 | 94O.016 | 94O.045 | 94O.045 | 94O.015 | 94O.005 | 94O.025 | 94O.045 |
| Surveyor | R.Dalziel D.Huntley | R.Dalziel D.Huntley | R.Dalziel D.Huntley | C.Clement R.Kowall | R.Dalziel D.Huntley | R.Dalziel D.Huntley | R.Dalziel D.Huntley | R.Dalziel D.Huntley | R.Dalziel D.Huntley R.Kowall | C.Clement R.Kowall |
| Ecosection | FNL | ETP | FNL | FNL | MAU | MAU | FNL | FNL | FNL | MAU |
| UTM Zone | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| UTM Easting | 538915 | 554689 | 505918 | 507225 | 488695 | 490636 | 488817 | 502279 | 493613 | 492570 |
| UTM Northing | 6578472 | 6578184 | 6553107 | 6555620 | 6593029 | 6589053 | 6560614 | 6546385 | 6569026 | 6593670 |
| Air Photo Number | 30BCC97030- 13- 154 | 30BCC97030- 13-164 | 30BCC97049- 23-124 | 97041-22- 104 | 30BCC97026- 7-050 | 30BCC97026- 8-160 | 30BCC97033- 20-044 | 30BCC97057- 26-122 | 30BCC97032- 17-090 | 97018-6- 158 |

BWBSmw2
02 LL
PI - Lignonberry - Velvet-leaved blueberry
1 Plot

| Field Name | Mean | Range | RG045 |
|------------------------|------|-------|---------------------|
| Structural Stage | | | 4 |
| Elevation | 351 | 351 | 351 |
| Slope Gradient | 3.0 | 3.0 | 3 |
| Aspect | | | 25 |
| Slope Position | | | CR |
| Moisture Regime | 1 | 1 | 1 |
| Nutrient Regime | A | A | A |
| Surficial Terrain | | | sEbr |
| Underlying Terrain | | | |
| Soil Drainage | r | r | r |
| Root Restricting Type | | | |
| Root Restricting Depth | | | |
| NTS Map Sheet | | | 94O.016 |
| Surveyor | | | R.Dalziel D.Huntley |
| Ecosection | | | FNL |
| UTM Zone | | | 10 |
| UTM Easting | | | 500664 |
| UTM Northing | | | 6560148 |
| Air Photo Number | | | 30BCC97033-20-052 |

BWBSmw2
 04 BL
 Sb - Lignonberry - Coltsfoot
 13 Plots

| Field Name | Mean | Range | CG44 | RG022 | CG14 | CG47 | CG59 | RG011 | RG015 | RG028 |
|-------------------------------|------|---------|-----------------------|------------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|
| Structural Stage | | | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 5 |
| Elevation | 465 | 288-699 | 328 | 683 | 670 | 290 | 352 | 536 | 637 | 699 |
| Slope Gradient | 16.2 | 0-55 | 0 | 5 | 5 | 25 | 45 | 6 | 12 | 6 |
| Aspect | | all | 999 | 999 | 260 | 10 | 30 | 270 | 345 | 100 |
| Slope Position | | all | LV | CR | MD | LW | MD | CR | CR | LV |
| Moisture Regime | 3.5 | 3-4 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 3 |
| Nutrient Regime | | B-C | B | B | C | B | B | B | C | B |
| Surficial Terrain | | | dczMbr | | zsEb | czMbr | czMbr | zsF ^G th | zsL ^G ka | szMbt |
| Underlying Terrain | | | | | | | | | | |
| Soil Drainage | | m-w | w | m | w | w | w | m | w | m |
| Root Restricting Type | | | N | K | N | N | N | K | K | K |
| Root Restricting Depth | | | | 45 | | | | 40 | 40 | 45 |
| NTS Map Sheet | | | 94O.025 | 94O.049 | 94O.057 | 94O.026 | 94O.017 | 94O.057 | 94O.060 | 94O.049 |
| Surveyor | | | C.Clement R.Kowall | R.Dalziel D.Huntley | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | R.Dalziel D.Huntley | R.Dalziel D.Huntley | R.Dalziel D.Huntley |
| Ecosection | | | FNL | ETP | ETP | FNL | FNL | ETP | ETP | ETP |
| UTM Zone | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| UTM Easting | | | 489740 | 537665 | 522540 | 507495 | 516620 | 513824 | 549808 | 540662 |
| UTM Northing | | | 6562925 | 6592693 | 6601220 | 6562285 | 6555600 | 6604501 | 6604196 | 6590919 |
| Air Photo Number | | | 97048-19-160 | 30BCC97026-7-018 | 97016-3-078 | 97048-19-148 | 97041-22-110 | 30BCC97009-2-142 | 30BCC97009-2-164 | 30BCC97026-8-192 |

BWBSmw2
04 BL
Sb - Lignonberry - Colts
13 Plots

| Field Name | RG056 | RG065 | RG031 | RG044 | RG069 |
|-------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------------------|
| Structural Stage | 5 | 6 | 7 | 7 | 7 |
| Elevation | 288 | 289 | 680 | 300 | 291 |
| Slope Gradient | 55 | 20 | 8 | 8 | 15 |
| Aspect | 20 | 240 | 230 | 260 | 60 |
| Slope Position | MD | MD | CR | TO | MD |
| Moisture Regime | 4 | 3 | 3 | 3 | 4 |
| Nutrient Regime | C | C | B | C | C |
| Surficial Terrain | dczCbhk-Fcs | zsCb-Fc | szMbr | zsFbt | sF ^G v |
| Underlying Terrain | | | | sgFb | dczMb |
| Soil Drainage | m | w | w | w | m |
| Root Restricting Type | | | K | | P |
| Root Restricting Depth | | | 45 | | 60 |
| NTS Map Sheet | 94O.018 | 94O.008 | 94O.050 | 94O.015 | 94O.025 |
| Surveyor | R.Dalziel D.Huntley | R.Dalziel D.Huntley | R.Dalziel D.Huntley | R.Dalziel D.Huntley | R.Dalziel D.Huntley R.Kowall |
| Ecosection | FNL | FNL | ETP | FNL | FNL |
| UTM Zone | 10 | 10 | 10 | 10 | 10 |
| UTM Easting | 524340 | 530797 | 552343 | 496548 | 490484 |
| UTM Northing | 6553497 | 6546677 | 6589659 | 6560241 | 6561410 |
| Air Photo Number | 30BCC97049- 23-134 | 30BCC97019- 26-194 | 30BCC97026-8- 200 | 30BCC97033- 20-050 | 30BCC97032- 17-092 |

BWBSmw2
 05 SH
 Sw - Currant - Horsetail
 21 Plots

| Field Name | Mean | Range | CG28 | CG60 | CG71 | RG048 | CG01 | RG047 | RG057 | CG20 | CG61 | RG002 | RG016 |
|-------------------------------|------|-------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|-----------------------|-----------------------|------------------------|------------------------|
| Structural Stage | | | 3 | 3 | 3 | 3a | 4 | 4 | 4 | 5 | 5 | 5 | 5 |
| Elevation | 344 | 270-500 | 437 | 340 | 290 | 278 | 254 | 283 | 282 | 445 | 288 | 300 | 500 |
| Slope Gradient | 0.6 | 0-6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 |
| Aspect | | 999, 90-120 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 90 | 180 |
| Slope Position | | LV | LV | LV | LV | LV | LV | LV | LV | LV | LV | LV | LV |
| Moisture Regime | 4.5 | 3-5 | 5 | 5 | 5 | 4 | 5 | 4 | 3 | 5 | 5 | 3 | 5 |
| Nutrient Regime | | C-E | D | D | D | D | D | E | D | D | D | C | D |
| Surficial Terrain | | | zsF ^A t | zsF ^A p | zsF ^A p | sFbt-M | szF ^A t | szF ^A bt-M | sF ^A bmt | zsFbt | zsF ^A t | gsFbt-M | szFvt-M |
| Underlying Terrain | | | | | | | | | | | | | sgFb |
| Soil Drainage | | m-r | w | m | w | r | w | w | r | m | w | r | m |
| Root Restricting Type | | | N | N | N | | | | | N | N | | |
| Root Restricting Depth | | | | | | | | | | | | | |
| NTS Map Sheet | | | 94O.046 | 94O.017 | 94O.008 | 94O.017 | 94O.025 | 94O.017 | 94O.018 | 94O.045 | 94O.017 | 94O.025 | 94O.045 |
| Surveyor | | | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | R.Dalziel D.Huntley | C.Clement R.Kowall | R.Dalziel D.Huntley | R.Dalziel D.Huntley | C.Clement R.Kowall | C.Clement R.Kowall | R.Dalziel D.Huntley | R.Dalziel D.Huntley |
| Ecosection | | | FNL | FNL | FNL | FNL | FNL | FNL | FNL | FNL | FNL | FNL | FNL |
| UTM Zone | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| UTM Easting | | | 505165 | 516620 | 530975 | 515424 | 491060 | 511675 | 526144 | 496560 | 518800 | 492391 | 496161 |
| UTM Northing | | | 6586075 | 6655600 | 6544620 | 6560145 | 6567265 | 6561841 | 6553326 | 6594705 | 6556815 | 6572008 | 6590908 |
| Air Photo Number | | | 97027-9-010 | 97041-22-110 | 97042-27-070 | 30BCC97033-20-060 | 97032-17-092 | 30BCC97033-20-058 | 30BCC97049-23-136 | 97018-6-160 | 97041-22-112 | 30BCC97091-15-180 | 30BCC97026-7-046 |

BWBSmw2
05 SH
Sw - Currant - Horsetail
21 Plots

| Field Name | RG025 | RG027 | RG033 | RG046 | CG02 | CG27 | CG45 | CG46 | RG036 | RG053 |
|-------------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|
| Structural Stage | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 |
| Elevation | 389 | 497 | 331 | 285 | | 395 | 270 | 283 | 417 | 309 |
| Slope Gradient | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aspect | 220 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 |
| Slope Position | LV | LV | LV | LV | LV | LV | LV | LV | LV | LV |
| Moisture Regime | 5 | 5 | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 4 |
| Nutrient Regime | D | D | D | D | D | D | D | D | E | D |
| Surficial Terrain | szFbt-M | zsFbt-M | zsFbt-M | zsFbt-M | szF ^A pt | szFt | zsF ^A t | zsF ^A t | szFbt | zsFbt-M |
| Underlying Terrain | sgFb | sgFb | sgFb | sgFb | | | | | | sgFb |
| Soil Drainage | w | w | w | w | w | w | w | w | w | w |
| Root Restricting Type | | | | | N | N | N | N | | |
| Root Restricting Depth | | | | | | | | | | |
| NTS Map Sheet | 94O.045 | 94O.048 | 94O.035 | 94O.016 | 94O.025 | 94O.045 | 94O.025 | 94O.026 | 94O.037 | 94O.015 |
| Surveyor | R.Dalziel D.Huntley | R.Dalziel D.Huntley | R.Dalziel D.Huntley | R.Dalziel D.Huntley | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | R.Dalziel D.Huntley | R.Dalziel D.Huntley |
| Ecosection | FNL | FNL | FNL | FNL | FNL | FNL | FNL | FNL | FNL | FNL |
| UTM Zone | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| UTM Easting | 494793 | 527347 | 491689 | 505297 | 493055 | 492350 | 496167 | 501830 | 512883 | 49706 |
| UTM Northing | 6588781 | 6588651 | 6577350 | 6560994 | 6569110 | 6586515 | 6563170 | 6561785 | 6577454 | 6553251 |
| Air Photo Number | 30BCC97026-8 164 | 30BCC97026-8 182 | 30BCC97030- 13-124 | 30BCC97033- 20-054 | 97042-16-088 | 97027-9-042 | 97048-19-154 | 97048-19-156 | 30BCC97030- 13-138 | 30BCC97049- 23-118 |

BWBSmw2
06 BB
Sb - Feathermoss - Bluebells
4 Plots

| Field Name | Mean | Range | CG10 | CG49 | RG034 | RG050 |
|-------------------------------|------|---------|--------------------|--------------------|---------------------|---------------------|
| Structural Stage | | | 5 | 5 | 7 | 7 |
| Elevation | 415 | 384-465 | 465 | 384 | 392 | 419 |
| Slope Gradient | 2.5 | 0-4 | 3 | 0 | 3 | 4 |
| Aspect | | | 260 | 999 | 340 | 340 |
| Slope Position | | LV-LW | LW | LV | LV | LV |
| Moisture Regime | 5.3 | 5-6 | 5 | 6 | 5 | 5 |
| Nutrient Regime | | B-D | B | C | D | C |
| Surficial Terrain | | | uOv | zcL ^G b | hOxv | hOv |
| Underlying Terrain | | | spF ^G b | | czMb | cL ^G b |
| Soil Drainage | | p-m | m | p | m | i |
| Root Restricting Type | | | N | W | K | P |
| Root Restricting Depth | | | | 20 | 45 | 35 |
| NTS Map Sheet | | | 94O.055 | 94O.027 | 94O.035 | 94O.019 |
| Surveyor | | | C.Clement R.Kowall | C.Clement R.Kowall | R.Dalziel D.Huntley | R.Dalziel D.Huntley |
| Ecosection | | | FNL | FNL | FNL | FNL |
| UTM Zone | | | 10 | 10 | 10 | 10 |
| UTM Easting | | | 489945 | 517175 | 499149 | 535509 |
| UTM Northing | | | 6502940 | 6562980 | 6577150 | 6561029 |
| Air Photo Number | | | 97016-3-098 | 97037-19-008 | 30BCC97030-13-128 | 30BCC97033-20-074 |

BWBSmw2
 07 TH
 Lt - Horsetail
 10 Plots

| Field Name | Mean | Range | RG017 | RG026 | RG032 | RG067 | CG13 | CG64 |
|-----------------------|------|---------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|
| Ecological Stage | | | 3a | 3a | 3a | 3b | 5 | 5 |
| Elevation | 442 | 364-638 | 479 | 440 | 379 | 364 | 526 | 410 |
| Stream Gradient | 0.0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aspect | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 |
| Stream Position | | LV | LV | LV | LV | LV | LV | LV |
| Stream Regime | 6.8 | 6-8 | 8 | 7 | 7 | 7 | 6 | 7 |
| Channel Regime | | B-D | B | B | C | C | B | C |
| Parent Terrain | | | hOb | hOvb | hOb | euOb | czMb | hOv |
| Channel Terrain | | | czMb | M-X | | | | czMb |
| Channel Drainage | | v-i | v | v | p | v | i | p |
| Channel Cutting Type | | | W | | W | W | | |
| Channel Cutting Depth | | | 15 | 30 | 30 | 10 | | |
| Map Sheet | | | 94O.046 | 94O.046 | 94O.035 | 94O.007 | 94O.057 | 94O.019 |
| Surveyor | | | R.Dalziel D.Huntley | R.Dalziel D.Huntley | R.Dalziel D.Huntley | R.Dalziel D.Huntley | C.Clement R.Kowall | C.Clement R.Kowall |
| Eco-section | | | FNL | FNL | FNL | FNL | MAU | FNL |
| UTM Zone | | | 10 | 10 | 10 | 10 | 10 | 10 |
| UTM Easting | | | 503447 | 505493 | 489352 | 518337 | 511440 | 536165 |
| UTM Northing | | | 6591547 | 6589841 | 6576905 | 6548378 | 6601805 | 6556575 |
| Air Photo Number | | | 30BCC97026 7-040 | 30BCC97026 8-168 | 30BCC97030 13-122 | 30BCC97032 25-178 | 97016-3-084 | 97041-22- 122 |

| RG013 | RG035 | CG54 | CG63 |
|----------------------|-----------------------|--------------------|--------------------|
| 5 | 5 | 6 | 7 |
| 638 | 419 | 372 | 390 |
| 0 | 0 | 0 | 0 |
| 999 | 999 | 999 | 999 |
| LV | LV | LV | LV |
| 7 | 6 | 7 | 6 |
| D | C | C | C |
| hOxv | euOb-X | hOv | hOv |
| czMb | Mb | zcL ^G b | zcL ^G b |
| p | p | p | p |
| W | | W | W |
| 35 | 30 | 15 | 8 |
| 94O.058 | 94O.036 | 94O.015 | 94O.018 |
| R.Dalziel | R.Dalziel | C.Clement | C.Clement |
| D.Huntley | D.Huntley | R.Kowall | R.Kowall |
| ETP | FNL | FNL | FNL |
| 10 | 10 | 10 | 10 |
| 530814 | 506871 | 488985 | 530435 |
| 6604493 | 6577101 | 6555590 | 6556070 |
| 30BCC97009- 2-152 | 30BCC97030- 13-134 | 97049-22- 046 | 97014-22- 118 |

BWBSmw2
08 BS
Sb - Cloudberry - Sphagnum
15 Plots

| Field Name | Mean | Range | CG15 | CG25 | CG38 | RG001 | RG008 | RG038 | RG055 | CG09 |
|-------------------------------|------|---------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|-----------------------|
| Structural Stage | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| Elevation | 519 | 360-692 | 645 | 669 | 417 | 360 | 435 | 452 | 366 | 490 |
| Slope Gradient | 1.2 | 0-5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Aspect | | | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 40 |
| Slope Position | | LV, CR | LV | LV | LV | LV | LV | LV | LV | CR |
| Moisture Regime | 7.1 | 7-8 | 7 | 7 | 7 | 8 | 7 | 7 | 7 | 7 |
| Nutrient Regime | | A-B | A | A | A | A | A | A | A | A |
| Surficial Terrain | | | eOb-X | eObp | eOb | euOb | euOvb-X | euOb-X | euOvb-X | euOb-X |
| Underlying Terrain | | | | | | | | | | |
| Soil Drainage | | v - p | p | p | p | v | p | p | p | v |
| Root Restricting Type | | | N | N | N | W | W | Z | | N |
| Root Restricting Depth | | | | | | 10 | 55 | 30 | 30 | |
| NTS Map Sheet | | | 94O.059 | 94O.049 | 94O.036 | 94O.025 | 94O.028 | 94O.038 | 94O.017 | 94O.028 |
| Surveyor | | | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | RD CC RK DH | R.Dalziel D.Huntley | R.Dalziel D.Huntley | R.Dalziel D.Huntley | C.Clement R.Kowall |
| Ecosection | | | ETP | ETP | FNL | FNL | FNL | FNL | FNL | FNL |
| UTM Zone | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| UTM Easting | | | 537750 | 544310 | 507770 | 495254 | 533101 | 529011 | 512816 | 528845 |
| UTM Northing | | | 6600870 | 6595030 | 6579445 | 6567872 | 6573251 | 6577753 | 6553299 | 6569530 |
| Air Photo Number | | | 97016-3-068 | 97028-6-056 | 97030-12-080 | 30BCC97032- 17-088 | 30BCC97028- 15-170 | 30BCC97030- 13-148 | 30BCC97049- 23-128 | 97031-16-124 |

BWBSmw2
08 BS
Sb - Cloudberry - Sphag
15 Plots

| Field Name | CG32 | RG004 | RG007 | RG021 | RG029 | RG030 | RG051 |
|-------------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Structural Stage | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Elevation | 692 | 391 | 409 | 671 | 684 | 666 | 438 |
| Slope Gradient | 0 | 2 | 5 | 0 | 3 | 3 | 0 |
| Aspect | 999 | 30 | 5 | 999 | 320 | 350 | 999 |
| Slope Position | LV | LV | LV | LV | LV | LV | LV |
| Moisture Regime | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Nutrient Regime | A | A | A | A | A | A | A |
| Surficial Terrain | euObp | eOv | eOvb-X | uhOb | euOvb-X | euOvb-X | euOvb-X |
| Underlying Terrain | | czMb-X | czMb | | | | |
| Soil Drainage | p | v | p | p | v | v | p |
| Root Restricting Type | N | Z | Z | W | | | |
| Root Restricting Depth | | 34 | 25 | 20 | 20 | 25 | 30 |
| NTS Map Sheet | 94O.050 | 94O.025 | 94O.027 | 94O.050 | 94O.050 | 94O.050 | 94O.019 |
| Surveyor | C.Clement R.Kowall | R.Dalziel D.Huntley | R.Dalziel D.Huntley | R.Dalziel D.Huntley | R.Dalziel D.Huntley | R.Dalziel D.Huntley | R.Dalziel D.Huntley |
| Ecosection | ETP | FNL | FNL | ETP | ETP | ETP | FNL |
| UTM Zone | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| UTM Easting | 551040 | 499903 | 519990 | 550735 | 546502 | 552290 | 543110 |
| UTM Northing | 6587405 | 6573006 | 6572856 | 6592983 | 6590661 | 6589570 | 6561244 |
| Air Photo Number | 97027-9-014 | 30BCC97091- 15-184 | 30BCC97028- 15-162 | 30BCC97026-7- 010 | 30BCC97026-8- 196 | 30BCC97026-8- 200 | 30BCC97033- 20-078 |

BWBSmw2
09 BW
Sb - Willow
13 Plots

| Field Name | Mean | Range | RG012 | RG059 | CG42 | CG43 | CG51 | CG74 | CG17 | CG23 |
|-------------------------------|------|---------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Structural Stage | | | 3a | 3a | 3 | 3 | 4 | 4 | 5 | 5 |
| Elevation | 500 | 352-708 | 708 | 451 | 541 | 655 | 454 | 368 | 625 | 547 |
| Slope Gradient | 1.1 | 0-10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aspect | | | 45 | 999 | 999 | 999 | 999 | 999 | 999 | 999 |
| Slope Position | | LV, MD | MD | LV | LV | LV | LV | LV | LV | LV |
| Moisture Regime | 6.5 | 6-7 | 6 | 7 | 7 | 7 | 6 | 6 | 6 | 7 |
| Nutrient Regime | | A-C | C | B | A | A | A | B | B | B |
| Surficial Terrain | | | hOxv | hOvb-X | ehOv | eOb | czMb | eOvb | hOv | czMb |
| Underlying Terrain | | | szMb | | czMb | | | | czMb | |
| Soil Drainage | | p-i | i | v | p | p | i | p | p | p |
| Root Restricting Type | | | K | | N | N | N | | N | N |
| Root Restricting Depth | | | 35 | 45 | | | | | | |
| NTS Map Sheet | | | 94O.057 | 94O.020 | 94O.039 | 94O.040 | 94O.029 | 94O.007 | 94O.060 | 94O.047 |
| Surveyor | | | R.Dalziel D.Huntley | R.Dalziel D.Huntley | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall |
| Ecosection | | | ETP | FNL | FNL | ETP | FNL | FNL | ETP | FNL |
| UTM Zone | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| UTM Easting | | | 522490 | 546256 | 544410 | 555510 | 539805 | | 554410 | 519460 |
| UTM Northing | | | 6604492 | 6554397 | 6581285 | 6580285 | 6562335 | 6549265 | 6601420 | 6595215 |
| Air Photo Number | | | 30BCC97009-2- 148 | 30BCC97058- 23-056 | 97030-12-056 | 97030-12-048 | 97037-19-024 | 97032-25-182 | 97016-3-056 | 97058-6-016 |

BWBSmw2
09 BW
Sb - Willow
13 Plots

| Field Name | CG53 | RG040 | RG043 | CG04 | CG35 |
|-------------------------------|-----------------------|------------------------|------------------------|-----------------------|-----------------------|
| Structural Stage | 5 | 5 | 5 | 6 | 7 |
| Elevation | 490 | 530 | 352 | 395 | 390 |
| Slope Gradient | 0 | 0 | 4 | 0 | 0 |
| Aspect | 999 | 999 | 999 | 999 | 999 |
| Slope Position | LV | LV | LV | LV | LV |
| Moisture Regime | 6 | 6 | 7 | 6 | 7 |
| Nutrient Regime | B | C | A | B | A |
| Surficial Terrain | hOv | hOxv | euOvb-X | hOvb | ehOv |
| Underlying Terrain | czMb | czMb | zcl ^G b | | |
| Soil Drainage | p | p | p | i | p |
| Root Restricting Type | N | W | | N | N |
| Root Restricting Depth | | 40 | 42 | | |
| NTS Map Sheet | 94O.029 | 94O.039 | 94O.015 | 94O.025 | 94O.035 |
| Surveyor | C.Clement R.Kowall | R.Dalziel D.Huntley | R.Dalziel D.Huntley | C.Clement R.Kowall | C.Clement R.Kowall |
| Ecosection | FNL | FNL | FNL | FNL | FNL |
| UTM Zone | 10 | 10 | 10 | 10 | 10 |
| UTM Easting | | 544851 | 494636 | 494983 | 493045 |
| UTM Northing | | 6578514 | 6559453 | 6570263 | 6580315 |
| Air Photo Number | 97037-19-028 | 30BCC97030- 13-158 | 30BCC97033- 20-048 | 97042-16-086 | 97030-12- 090 |

BWBSmw2
10 TB
Lt - Buckbean
13 Plots

| Field Name | Mean | Range | CG12 | CG16 | CG21 | CG24 | CG29 | CG33 | CG37 | CG08 |
|-------------------------------|-------------|--------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Structural Stage | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3a |
| Elevation | 524 | 340-678 | 510 | 655 | 480 | 671 | 505 | 678 | 407 | 485 |
| Slope Gradient | 0.0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aspect | | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 |
| Slope Position | | LV-DP | LV | LV | LV | LV | LV | LV | DP | LV |
| Moisture Regime | 7.5 | 7-8 | 7 | 7 | 7 | 8 | 7 | 8 | 8 | 7 |
| Nutrient Regime | | A-D | B | B | B | C | B | B | A | C |
| Surficial Terrain | | | eOv | eOb | euOb | euObp | eOp | eOb | euOb | euOb |
| Underlying Terrain | | | czMb | | | | | | | |
| Soil Drainage | | v | v | v | v | v | v | v | v | v |
| Root Restricting Type | | | N | W | N | W | W | W | | W |
| Root Restricting Depth | | | | 0 | | 0 | 0 | 0 | | 0 |
| NTS Map Sheet | | | 94O.056 | 94O.059 | 94O.046 | 94O.049 | 94O. | 94O.050 | 94O.036 | 94O.027 |
| Surveyor | | | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall |
| Ecosection | | | MAU | ETP | FNL | ETP | FNL | ETP | FNL | FNL |
| UTM Zone | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| UTM Easting | | | 504735 | 542795 | 505300 | 546050 | 517590 | 556540 | 501470 | 520490 |
| UTM Northing | | | 6602575 | 6600225 | 6594515 | 6594990 | 6587550 | 6586945 | 6581310 | 6569680 |
| Air Photo Number | | | 97016-3-088 | 97016-3-064 | 97058-6-006 | 97058-6-056 | 97027-9-036 | 97027-9-011 | 97030-12-084 | 97031-16-120 |

BWBSmw2
10 TB
Lt - Buckbean
13 Plots

| Field Name | RG020 | RG066 | RG049 | RG063 | RG014 |
|-------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Structural Stage | 3a | 3a | 3b | 3b | 5 |
| Elevation | 643 | 340 | 425 | 373 | 635 |
| Slope Gradient | 0 | 0 | 0 | 0 | 0 |
| Aspect | 999 | 999 | 999 | 999 | 999 |
| Slope Position | LV | LV | LV | LV | LV |
| Moisture Regime | 8 | 8 | 8 | 7 | 8 |
| Nutrient Regime | D | C | D | C | D |
| Surficial Terrain | uhOb | euOb | euOb | ehOb | uOb |
| Underlying Terrain | | gsF ^c b-E | | | |
| Soil Drainage | v | v | v | v | v |
| Root Restricting Type | W | W | W | W | W |
| Root Restricting Depth | 15 | 15 | 10 | 25 | 10 |
| NTS Map Sheet | 94O.050 | 94O.008 | 94O.018 | 94O.007 | 94O.059 |
| Surveyor | R.Dalziel D.Huntley | R.Dalziel D.Huntley | R.Dalziel D.Huntley | R.Dalziel D.Huntley | R.Dalziel D.Huntley |
| Ecosection | ETP | FNL | FNL | FNL | ETP |
| UTM Zone | 10 | 10 | 10 | 10 | 10 |
| UTM Easting | 556361 | 526354 | 527590 | 518168 | 543314 |
| UTM Northing | 6593262 | 6549162 | 6561221 | 6547279 | 6604534 |
| Air Photo Number | 30BCC97026-7- 006 | 30BCC97032- 25-172 | 30BCC97033- 20-068 | 30BCC97057- 26-112 | 30BCC9709-2- 160 |

BWBSmw2

00 AB

Bebb's willow - Mountain alder - Bluejoint swamp

4 Plots

| Field Name | Mean | Range | RG072 | CG31 | CG65 | RG070 |
|-------------------------------|------|---------|------------------------------------|-----------------------|-----------------------|------------------------------------|
| Structural Stage | | | 3a | 3b | 3b | 3b |
| Elevation | 436 | 344-615 | 364 | 615 | 420 | 344 |
| Slope Gradient | 1.3 | 0-5 | 0 | 0 | 5 | 0 |
| Aspect | | | 999 | 999 | 160 | 999 |
| Slope Position | | LV, LW | LV | LV | LW | LV |
| Moisture Regime | 5.25 | 4-6 | 6 | 6 | 4 | 5 |
| Nutrient Regime | | C-D | D | C | C | D |
| Surficial Terrain | | | hOxv | hOv | czMb | hOxv |
| Underlying Terrain | | | czL ^G b | czMb | | czL ^G b |
| Soil Drainage | | p-m | p | p | m | i |
| Root Restricting Type | | | W | W | N | P |
| Root Restricting Depth | | | 32 | 20 | | 30 |
| NTS Map Sheet | | | 94O.025 | 94O.049 | 94O.005 | 94O.025 |
| Surveyor | | | R.Dalziel D.Huntley R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | R.Dalziel D.Huntley R.Kowall |
| Ecosection | | | FNL | ETP | FNL | FNL |
| UTM Zone | | | 10 | 10 | 10 | 10 |
| UTM Easting | | | 498992 | 543070 | 489680 | 493856 |
| UTM Northing | | | 6568977 | 6581455 | 6544290 | 6567467 |
| Air Photo Number | | | 30BCC97032- 17-088 | 97027-9-020 | 97023-27-034 | 30BCC97032- 17-090 |

BWBSmw2
 00 LR
 Leatherleaf - Bog rosemary - Sphagnum
 7 Plots

| Field Name | Mean | Range | CG07 | CG40 | CG72 | CG73 | RG058 | RG003 |
|----------------------|------|---------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|
| Ecological Stage | | | 3a | 3a | 3a | 3a | 3a | 3b |
| Elevation | 430 | 368-538 | 490 | 455 | 374 | 368 | 399 | 385 |
| Percentage Gradient | 0.0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aspect | | 999 | 999 | 999 | 999 | 999 | 999 | 999 |
| Ecological Position | | LV | LV | LV | LV | LV | LV | LV |
| Fire Regime | 7.1 | 6-8 | 6 | 7 | 8 | 7 | 7 | 8 |
| Plant Regime | | A | A | A | A | A | A | A |
| Soil Terrain | | | euObv | eObp | eOb | eOb | eOb | euOvb |
| Vegetation Terrain | | | | | | | | czMb |
| Soil Drainage | | v-p | v | p | p | p | v | v |
| Soil Moisture Regime | | | N | N | W | W | W | W |
| Soil Depth | | | | | 0 | 30 | 20 | 25 |
| Map Sheet | | | 94O.027 | 94O.037 | 94O.007 | 94O.007 | 94O.019 | 94O.035 |
| Surveyor | | | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | R.Dalziel D.Huntley | R.Dalziel D.Huntley |
| Ecosection | | | FNL | FNL | FNL | FNL | FNL | FNL |
| UTM Zone | | | 10 | 10 | 10 | 10 | 10 | 10 |
| UTM Easting | | | 512860 | 522255 | 521950 | 513510 | 536501 | 496692 |
| UTM Northing | | | 6571310 | 6580245 | 6543440 | 6549265 | 6553372 | 6573520 |
| Air Photo Number | | | 97031-16- 114 | 97030-12- 070 | 97042-27- 076 | 97032-25- 182 | 30BCC97049- 23-142 | 30Bcc97091- 15-182 |

RG064

3b

538

0

999

LV

7

A

eOb

v

W

20

94O.007

R.Dalziel

D.Huntley

FNL

10

522705

6546995

30BCC97019

26-200

BWBSmw2
 00 SB
 Sw - Currant - Bluebell
 13 Plots

| Field Name | Mean | Range | CG03 | CG34 | CG62 | CG69 | CG70 | CG56 | RG018 | RG068 |
|-------------------------------|------|---------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|
| Structural Stage | | | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 5 |
| Elevation | 399 | 306-470 | 400 | 380 | 382 | 425 | 404 | 306 | 470 | 370 |
| Slope Gradient | 2.1 | 0-12 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 |
| Aspect | | | 999 | 999 | 999 | 999 | 999 | 999 | 45 | 280 |
| Slope Position | | LV-MD | LV | LV | LV | LW | LV | LV | LV | LV |
| Moisture Regime | 4.8 | 4-6 | 5 | 4 | 5 | 5 | 6 | 5 | 4 | 5 |
| Nutrient Regime | | B-D | D | D | C | D | D | B | D | D |
| Surficial Terrain | | | zcL ^G b | zcL ^G b | zcL ^G b | hOv | hOv | sFv | szFbt | czMb |
| Underlying Terrain | | | | | | czMb | | zsFt | | |
| Soil Drainage | | p-w | i | m | m | i | p | w | m | i |
| Root Restricting Type | | | P | N | N | N | W | N | K | W |
| Root Restricting Depth | | | 40 | | | | 22 | | 40 | 35 |
| NTS Map Sheet | | | 94O.025 | 94O.035 | 94O.018 | 94O.006 | 94O.007 | 94O.015 | 94O.046 | 94O.006 |
| Surveyor | | | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | R.Dalziel D.Huntley | R.Dalziel D.Huntley |
| Ecosection | | | FNL | FNL | FNL | FNL | FNL | FNL | FNL | FNL |
| UTM Zone | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| UTM Easting | | | 491605 | 489705 | 524670 | 507566 | 514035 | 497380 | 512564 | 508139 |
| UTM Northing | | | 6570840 | 6580950 | 6556700 | 6543969 | 6542905 | 6556575 | 6592494 | 6548198 |
| Air Photo Number | | | 97042-16-088 | 97030-12-092 | 97041-22-114 | 97023-27-044 | 97023-27-048 | 97049-22-042 | 30BCC97026-7-036 | 30BCC97032-25-184 |

BWBSmw2
00 SB
Sw - Currant - Bluebell
13 Plots

| Field Name | CG66 | CG68 | RG052 | RG062 | CG48 |
|-------------------------------|-----------------------|-----------------------|------------------------|------------------------|-----------------------|
| Structural Stage | 6 | 6 | 6 | 6 | 7 |
| Elevation | 421 | 425 | 416 | 419 | 372 |
| Slope Gradient | 0 | 3 | 7 | 12 | 0 |
| Aspect | 999 | 90 | 70 | 260 | 999 |
| Slope Position | LV | LW | MD | MD | LV |
| Moisture Regime | 5 | 5 | 4 | 4 | 5 |
| Nutrient Regime | D | D | D | D | D |
| Surficial Terrain | czMb | czMb | zcL ^G b | czMbm | zcL ^G b |
| Underlying Terrain | | | | | |
| Soil Drainage | m | i | m | m | i |
| Root Restricting Type | N | N | P | K | N |
| Root Restricting Depth | | | 45 | 55 | |
| NTS Map Sheet | 94O.005 | 94O.006 | 94O.015 | 94O.006 | 94O.027 |
| Surveyor | C.Clement R.Kowall | C.Clement R.Kowall | R.Dalziel D.Huntley | R.Dalziel D.Huntley | C.Clement R.Kowall |
| Ecosection | FNL | FNL | FNL | FNL | FNL |
| UTM Zone | 10 | 10 | 10 | 10 | 10 |
| UTM Easting | 497755 | 507566 | 490802 | 510981 | 515065 |
| UTM Northing | 6543515 | 6543969 | 6553092 | 6545421 | 6563460 |
| Air Photo Number | 97023-27-038 | 97023-27-044 | 30BCC97049-23- 114 | 30BCC97057-26- 116 | 97037-19-006 |

BWBSmw2
00 SS
Scrub birch - Willow - Water sedge fen
5 Plots

| Field Name | Mean | Range | CG26 | RG006 | RG009 | RG019 | RG060 |
|-------------------------------|------|---------|-----------------------|------------------------|------------------------|------------------------|------------------------|
| Structural Stage | | | 2b | 2b | 2b | 2b | 2b |
| Elevation | 511 | 402-665 | 665 | 429 | 472 | 587 | 402 |
| Slope Gradient | 1.6 | 0-6 | 0 | 0 | 2 | 6 | 0 |
| Aspect | | | 999 | 999 | 230 | 130 | 999 |
| Slope Position | | LV | LV | LV | LV | LV | LV |
| Moisture Regime | 7 | 5-8 | 7 | 8 | 8 | 5 | 7 |
| Nutrient Regime | | B-D | C | B | C | D | D |
| Surficial Terrain | | | hOb | euOb | euOb | czFbf | hOv |
| Underlying Terrain | | | | | | | zcLb |
| Soil Drainage | | v, m | v | v | v | m | v |
| Root Restricting Type | | | W | W | W | | W |
| Root Restricting Depth | | | 0 | 15 | 15 | | 20 |
| NTS Map Sheet | | | 94O.049 | 94O.026 | 94O.055 | 94O.048 | 94O.005 |
| Surveyor | | | C.Clement R.Kowall | R.Dalziel D.Huntley | R.Dalziel D.Huntley | R.Dalziel D.Huntley | R.Dalziel D.Huntley |
| Ecosection | | | ETP | FNL | MAU | ETP | FNL |
| UTM Zone | | | 10 | 10 | 10 | 10 | 10 |
| UTM Easting | | | 536870 | 510131 | 489919 | 525615 | 492552 |
| UTM Northing | | | 6595500 | 6572260 | 6603797 | 6592611 | 6546338 |
| Air Photo Number | | | 97028-6-060 | 30BCC97028-15- 156 | 30BCC97009-2- 126 | 30BCC97026-7- 026 | 30BCC97057-26- 128 |

BWBSmw2

00 WB

Drummond's willow - Bluejoint low bench / swamp

7 Plots

| Field Name | Mean | Range | CG22 | CG50 | CG67 | CG75 | CG39 | RG037 | RG010 |
|-------------------------------|------|---------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|
| Structural Stage | | | 2b | 2b | 2b | 2b | 3a | 3a | 3b |
| Elevation | 433 | 368-480 | 480 | 436 | 415 | 368 | 435 | 440 | 454 |
| Slope Gradient | 0.0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aspect | | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 |
| Slope Position | | LV | LV | LV | LV | LV | LV | LV | LV |
| Moisture Regime | 6.4 | 6-7 | 6 | 7 | 6 | 7 | 7 | 6 | 6 |
| Nutrient Regime | | C-D | D | C | D | C | D | D | D |
| Surficial Terrain | | | szF ^A t | hOv | szF ^A p | zcl ^G bp | hOv | czF ^A bp | uOvt-M |
| Underlying Terrain | | | | czMb | | | czMb | | szFb |
| Soil Drainage | | v-i | p | v | p | p | v | i | p |
| Root Restricting Type | | | | W | N | N | W | W | W |
| Root Restricting Depth | | | | 10 | | | 10 | 35 | 25 |
| NTS Map Sheet | | | 94O.047 | 94O.028 | 94O.006 | 94O.006 | 94O.037 | 94O.038 | 94O.056 |
| Surveyor | | | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | C.Clement R.Kowall | R.Dalziel D.Huntley | R.Dalziel D.Huntley |
| Ecosection | | | FNL | FNL | FNL | FNL | FNL | FNL | MAU |
| UTM Zone | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| UTM Easting | | | 511390 | 524910 | 500795 | 507590 | 514520 | 542160 | 501393 |
| UTM Northing | | | 6595005 | 6562570 | 6543655 | 6549325 | 6580320 | 6577978 | 6604071 |
| Air Photo Number | | | 97058-6-010 | 97037-19-012 | 97023-27-040 | 97032-25-184 | 97030-12-076 | 30BCC97030- 13-144 | 30BCC97009-2 134 |