# Vegetation Map
## 082N017

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source - MFLNRO - VRIMSS - Ownership

Base Map Source: TRIM / Satellite

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to support the principal functions of the Ministry of Forests, Lands, and Natural Resource Operations. The information portrayed may not be complete and up to date Cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revisions June 2014)

Labels Projected To: January 1, 2016

**MAP SYMBOLOGY**

**Forest Inventory Features:**
- Forest Vegetation Polygons
- Structure Opening in Vegetation
- Permanent Sample Plot (SYTS)
- Research Installations

**TRIM_Base Features:**
- All Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fairies
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydr.dkedfeatures - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

**Administrative Boundaries:**
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- NV Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Terrain
- Municipal boundary (> 1:500,000 for > 15 % land)
- Municipal boundary (< 1:500,000 NO no land)
- National Parks
- Fire Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

**Other:**
- BCGS Mapsheet Grid (1:20,000)

## VEGETATION LABEL DETAILS

**Example of a Vegetation Label:**

LINE DESCRIPTION
1 Silviculture symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
4 Age, Height, Crown Closure Class (if second layer is described as Fd (Douglir Fir) and Hw (Western Hemlock), Site Index / estimated ST
5 Inventory Type Group (Biogeoclimatic Ecosystem Classification) or, a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
6 Disturbance History & year - ex: Logged in 1978

**Line 1 - History Record Opening Number**

-opening number valid for BCGS mapsheet — zzzzz - opening number has not been assigned

**Line 2 - Polygon No. / Multi-layer**

VRIMS Polygon Number - ranging from one to nine digits
L - Multi-layered stand ca separate description of each layer is available in the data base, i.e. 1.2)

**Line 3 - BC Tree Codes List**

Species Composition Codes are selected in their order of predominance. Major first Minor in brackets.
The Leading Species codes are based on "The B.C. Ministry of Forests Tree Code List" version 4.9 dated January 2009.

**NATIVE CONIFER**

| | |
|---|---|
| C | CEDAR |
| Cw | Western Red Cedar |
| Y | YEW(S) |
| Yp | Pacific Yew |
| F | DOUGLAS FIR |
| Fd | Douglas Fir |
| Fdc | Coastal Douglas Fir |
| Fdi | Interior Douglas Fir |
| H | HEMLOCK |
| Ba | Amabilis Fir |
| Bg | Grand Fir |
| Bl | Subalpine Fir (alpine) |
| Hw | HEMLOCK |
| Hm | Mountain Hemlock |
| Hmh | Mountain Hemlock hybrid |
| Hw | Western Hemlock/Hemlock hybrid |
| J | JUNIPER |
| Jr | Rocky Mtn. Juniper |
| Jt | Oceanic Juniper |
| L | LARCH |
| La | Alpine Larch |
| Lt | Tamarack |
| Lw | Western Larch |
| P | PINE |
| Pa | Whitebark Pine |
| Pf | Limber Pine |
| Pl | Lodgepole Pine |
| Plc | Lodgepole Pine (contorta) |
| Pli | Lodgepole x Jack Pine hybrid |
| Py | Ponderosa Pine (yellow) |
| Pw | Western White Pine |
| Pw | Western White Pine |
| S | SPRUCE |
| Sb | Black Spruce |
| Se | Engelmann Spruce |
| Sx | Sitka Spruce |
| Sw | White Spruce |
| Sx | Spruce hybrid |
| Sxe | Engelmann x White |
| Sxs | Sitka x White |
| Sxw | Sitka x White hybrid |
| T | YEW |
| Tw | Western Yew |

**NATIVE HARDWOODS**

| | |
|---|---|
| D | ALDER |
| Dr | Red Alder |
| Dv | ARVI |
| E | BIRCH |
| At | ASPEN, COTTONWOOD or POPLAR |
| Ac | Black Cottonwood |
| Ae | Aspen |
| Ap | Balsam Poplar |
| Act | Black Cottonwood |
| Ax | Poplar hybrid |
| Ep | Paper Birch (white) |
| Ew | Water Birch |
| Ey | Yellow Birch |
| G | Garry Oak |
| Gc | Oregon |
| Gs | Saskatoon |
| V | Vine Maple |
| Vb | Bigleaf Maple (broadleaf) |
| Vm | Mountain Maple |
| W | WILLOW |
| Wa | Pacific Willow |
| Wb | Bebb's Willow |
| Wp | Pacific Willow |
| Wr | Scouler's Willow (Barclay's) |
| Wy | Pacific Willow (pre-boreal) |
| Wyp | Pacific Willow (pre-boreal) |
| Ww | Sitka Willow (low-boreal) |

**UNKNOWN - OTHER**

| | |
|---|---|
| X | UNKNOWN |
| Xc | Unknown conifer |
| Xh | Unknown hardwood |
| Xl | OTHER (low-boreal) |
| Z | Cultivated |
| Zc | Cultivated |

**EXOTICS**

| | |
|---|---|
| Ue | APPLE |
| Ue | ASPEN, COTTONWOOD or POPLAR |
| Ae | Trembling Aspen (introduced) |
| | BIRCH |
| Ep | Paper Birch (introduced) |
| Ey | Yellow Birch (introduced) |
| Ey | Yellow Birch |
| Ep | Paper Birch |
| Ew | Water Birch |
| Ey | Yellow Birch |
| | CHERRY |
| Ue | Cherry |
| Ue | Pin Cherry |
| Ue | Choke Cherry |
| | CHESTNUT |
| Ue | Chestnut |
| | CRABAPPLE |
| Ue | Crabapple |
| | ELM |
| Ue | Elm |
| | HAWTHORN |
| Ue | Hawthorn |
| | LARCH |
| Ue | Larch |
| | MAPLE |
| Ue | Maple |
| | OAK |
| Ue | Oak |
| | PEAR |
| Ue | Pear |
| | PLUM |
| Ue | Plum |
| | POPLAR |
| Ue | Poplar |
| | SPRUCE |
| Ue | Spruce |
| | WILLOW |
| Ue | Willow |
| | YEW |
| Ue | Yew |

**Line 4**

**4a. AGE CLASS**

| CODE | LIMITS (years) |
|---|---|
| 1 | 1-20 |
| 2 | 21-40 |
| 3 | 41-60 |
| 4 | 61-80 |
| 5 | 81-100 |
| 6 | 101-120 |
| 7 | 121-140 |
| 8 | 141-160 |
| 9 | 161 + |

**4b. HEIGHT CLASS**

| CODE | LIMITS (metres) |
|---|---|
| 1 | 0.1 - 10.4 |
| 2 | 10.5 - 19.4 |
| 3 | 19.5 - 27.4 |
| 4 | 27.5 - 34.4 |
| 5 | 34.5 - 44.4 |
| 6 | 44.5 - 53.4 |
| 7 | 53.5 - 64.4 |
| 8 | 65.5 + |

**4c. CROWN CLOSURE CLASS**

| CODE | LIMITS (percentage) |
|---|---|
| 1 | 0 - 5 |
| 2 | 6 - 15 |
| 3 | 16 - 25 |
| 4 | 26 - 33 |
| 5 | 34 - 45 |
| 6 | 46 - 55 |
| 7 | 56 - 65 |
| 8 | 66 - 75 |
| 9 | 76 - 85 |
| 0 | 86 - 100 |

**4d SITE INDEX**

Alt SI are known to the nearest decile referenced at 50 years breast height age. Site index curve number is the species code leading species. Where curve is unknown the following classification applies: If site index is unknown, age and height are recorded SI is shown after, or replaces the SI.

**4e. ESTIMATED SITE INDEX**

SI is estimated when suitable SI trees cannot present, e.g. Non-forested polygons. Site index curve number is the species code leading species. If associated field in the data base is missing, Type Group and SI Estimated source curves.

**Line 5 - Vegetation records**

**VEGETATED NON-TREE CATEGORIES (for V and I records)**

**NON-TREED SHRUB**
- SL SHRUB TALL - shrub with average shrub height > or = to 2 metres
- S SHRUB - shrub with average shrub height < 2 metres

**NON-TREED HERB**
- he HERB - herb with no distinction between forbs and graminoids
- hg HERB - GRASS - herb with forbs < 50% of the herb layer
- hf HERB - FORBS/HERBACEOUS - herb with forbs > 50% of the herb layer

**NON-TREED BRYOID**
- bg BRYOID - mixed with no distinction between mosses and lichens by screen
- bm BRYOID - MOSS - mixed with mosses, liverworts, and lichens > 50% of the bryoid cover.
- bl BRYOID - LICHEN - mixed with lichens > 50% of the bryoid cover.

**NON VEGETATED**
- rl Exposed Land
- w Water / Wetlands
- s Snow / Ice

**NON VEGETATED CATEGORIES (for X and I records)**

| | | | |
|---|---|---|---|
| ap AIRPORT | gr GRAVEL PIT | mu MUDFLAT SEGMENT | rm RESERVOIR MARGIN |
| b BEACH | i ISLAND | ri RIVER BANK SHOAL | rs RESERVOIR SHOAL |
| bu BUILT-UP | l LANDING | rk ROCKS | rw RIVER SEDIMENTS |
| bl BUILDING | l LANDING | st STREET | rr ROAD SURFACE |
| c CLEARCUT | lr LANDING AND EASEMENTS | sa SALTWATER | s SAND |
| cu CUTBANK | mi MINE | sw SWAMP | t TAILINGS |
| e EXPOSED SOILS | wc WORKING | r RIVER / STREAM | u URBAN |

Note: Shore categories rely on a mixed water over dry ground coverage.

**NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for f - records)**

| | |
|---|---|
| AF ALPINE FORBS | NP NON-PRODUCTIVE |
| AT ALPINE FORBS / Grambl | NPBG NON-PRODUCTIVE BARE |
| C CULTIVATED | NPBR NON-PRODUCTIVE BURN |
| CL CLEARING | NPSP NON-PRODUCTIVE / Species |
| G GRASS, MIX | OT TYPE FOR LANG AGE |
| GL GLACIER | R ROCK OUTCROP |
| KB VERTIGO | S WATER |
| MB MUSKEG | SI SNOW / ICE |
| MG MUSKEG/FLAT | U URBAN |

**Line 6 - Disturbance History**

Disturbance type code preceded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

| | | | |
|---|---|---|---|
| A | Animal Damage | L | Logging |
| B | Burning | N | Natural Range |
| C | Cone and Seed Insects | N | Non-Biological Injuries |
| D | Diseases | P | Cone and Seedling Fungal Pathogens |
| | Insects | | |
| R | Site Rehabilitation | | |
| S | Silvicultural Treatment | | |
| U | Ecological Unknown | | |
| V | Problem Vegetation | | |

**Example Opening History Details**

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of thenext RESULTS data.

The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture" to turn on display values for:

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
SILVICULTURE
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH








Overflow Labels