# Vegetation Map
## 082F013

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source : MFLNRO - VRIMS / Ownership
Base Map Source: TRIM / Terrain

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to support the analytical 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 compiled from various sources and may be inaccurate to within 20m.

Layers Prepared To: January 1, 2016

### MAP SYMBOLOGY

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

**TRIM, Base Features:**
- 4x Built Roads
- Forest Service Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- 4x4 Areas
- Other Veh
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeatures - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

**Administrative Boundaries:**
- BC Provincial Boundary
- INLAND Region boundary
- Resource District boundary - FADM
- Bec Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Surveys
- Municipal boundary (> 1:250,000 Hatched)
- Municipal boundary (< 1:250,000 Fine cross hatch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- BCGS Map sheet Grid (1:20,000)

## VEGETATION LABEL DETAILS

**Example of a Vegetation Label:**

LINE DESCRIPTION
1 Polygon number and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
4 Age, Height, Crown Closure Class Code - separated by a / for the dominant layer and separated by a - for the subordinate layer. Site Index if estimated SI
ex. stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4 m), crown closure class 1 (5-15 %), SI 20 m
5 Inventory Type Group (Biogeoclimatic Zone Designation)
6 Any 4 digit (orange) number as distinct between forks and gumboots, shrubs less that 2m

**Line 1 - History Record Opening Number**
- opening number valid for BCGS mapsheet
- opening number has not been assigned

**Line 2 - Polygon No. / Multi-layer**
VRI/ME Polygon Number - ranging from one to nine digits
L Multi-layered stand (a separate description of each layer is available in the data base, i.e. 1, 2)

**Line 3 - Bec Tree Code Line**
Species Composition: Species are labeled in their order of predominance. Major first Minor in brackets.
The following species are based on the "Tree B.C. Ministry of Forests Tree Code List" version 4.6 dated January 2009

**NATIVE CONIFERS**

| CODE | |
|---|---|
| B | BALSAM |
| Dr | Western Red Cedar |
| Hm | Mountain Hemlock |
| Y | Yellow Cedar |
| F | DOUGLAS FIR |
| Fd | Coastal Douglas Fir |
| Fm | Interior Douglas Fir |
| Pl | LODGEPOLE PINE |
| Ba | Ancestral Fir |
| Bg | Grand Fir |
| Bl | Subalpine Fir ( alpina) |
| Bm | MOUNTAIN |
| Hw | Western Hemlock |
| Hm | Western Hemlock |
| Hx | Hybrid of Western Hemlock Hybrid |
| J | JUNIPER |
| J | Rocky Mtn. Juniper |
| Jr | Common Juniper |
| L | LARCH |
| Lt | Alpine Larch |
| Lw | Western Larch |
| P | PINE |
| Pa | Ancestral Pine |
| Pj | Jack Pine |
| Pl | Lodgepole Pine |
| Pli | Lodgepole Pine (Interior) |
| Plc | Lodgepole Pine (Coastal) |
| Pp | Ponderosa Pine (Yellow) |
| Pq | Shore Pine (Coast) |
| Pw | Western White Pine |
| Pyi | Whitebark Pine |
| S | SPRUCE |
| Sb | Black Spruce |
| Se | Engelmann Spruce |
| Sx | White Spruce |
| Sw | White Spruce |
| Sxe | Engelmann x White |
| Sxl | Sitka x White |
| Sxs | Sitka Spruce Hybrid |
| T | YEW |
| Tw | Western Yew |

**NATIVE HARDWOODS**

| CODE | |
|---|---|
| AC | ACTIVE |
| D | Red Alder |
| Dm | Alder |
| Ac | Pacific Crab Apple |
| A | ASPEN, COTTONWOOD or POPLAR |
| At | Aspen |
| Ax | Aspen Hybrid |
| Act | Black Cottonwood |
| Ae | Trembling Aspen |
| Ax | Trembling Aspen |
| E | ARBUTUS |
| Ep | Pacific |
| Em | Madrone |
| Ep | Pacific Flowering Dogwood |
| Epp | Alaska x Pacific Birch hybrid |
| Ew | Paper Birch (white) |
| Ep | Water Birch |
| K | OAK/ARA |
| Kg | Garry Oak |
| Kw | GARRY |
| Vs | Sitka Cherry |
| Vu | Bitter Cherry |
| Vt | Pin Cherry |
| Vv | Choke Cherry |
| Vp | Pacific Dogwood (western flowering) |
| Vp | Dogwood |
| Vb | Bigleaf Maple (broadleaf) |
| Mv | Vine Maple |
| Mb | MAPLE |
| Mg | Garry Oak |
| M | MILLOW |
| Mp | Pacific Willow |
| Mw | Pacific Willow |
| Mw | Peachleaf Willow (Bankalp) |
| Mb | Bebb's Willow (Bankalp) |
| Mr | Scouler's Willow |
| Mx | Hybrid Willow (unknown) |

**UNKNOWN / OTHER**

| | |
|---|---|
| x | UNKNOWN |
| xc | unknown conifer |
| xd | unknown deciduous |
| xh | OTHER (non-native) NO |
| xl | LOCAL |
| zz | other hardwood |

**EXOTICS**

| | |
|---|---|
| AP | APPLE |
| Ap | Apple |
| Ax | Hybrid COTTONWOOD or POPLAR |
| Bp | Southern Cottonwood |
| BR | BIRCH |
| Bp | European Birch |
| Bpu | Cutleaf Birch (weeping) |
| Bp | Yellow Birch |
| Ey | ELM |
| Ey | Siberian Elm |
| Ey | CYPRESS |
| Ys | Monterey Cyprus |
| Yc | Nootka Cyprus |
| Yn | Alaska Cedar |
| Bp | Birch |
| Bpu | Cutleaf Birch |
| Bp | Yellow Birch |
| LA | LARCH |
| Lp | European Larch |
| Lj | Siberian Larch |
| MA | MAPLE |
| Mn | Norway Maple |
| Mp | Sycamore Maple |
| OA | OAK |
| Oa | Pedunculate Oak |
| Or | White Oak |
| | OTHER EXOTICS |
| Ch | Horse Chestnut |
| Cw | Giant Sequoia |
| Cs | Coast Redwood |
| Cp | Dawn Redwood (extinct) NA |
| Cd | Eastern Elm (extinct) |
| Cf | Common Fig |
| Ch | Hickory |
| Hw | White Ash |
| Ht | Green Ash (extinct) |
| Cl | Tree of Heaven |
| Ww | Black Locust |
| PINE | |
| Pm | Monterey Pine |
| Pn | Austrian Pine |
| Pp | Ponderosa Pine |
| SPRUCE | |
| Sn | Norway Spruce |

**Line 4:**

**4a. AGE CLASS**

| CODE | AGE (years) |
|---|---|
| 1 | 1-20 |
| 2 | 21-40 |
| 3 | 41-60 |
| 4 | 61-80 |
| 5 | 81-100 |
| 6 | 101-120 |
| 7 | 121-140 |
| 8 | 141-250 |
| 9 | 251 + |

**4b SITE INDEX**
Site index is the height of a dominant stand referenced at 50 years. Height is height in m. at breast height of the leading species. When an accurate SI cannot be obtained from sample trees, estimated SI's are provided. Estimates are to 10.

**4b. HEIGHT CLASS**

| CODE | HEIGHT (metres) |
|---|---|
| 1 | 0.1 - 10.4 |
| 2 | 10.5 - 19.4 |
| 3 | 19.5 - 28.4 |
| 4 | 28.5 - 37.4 |
| 5 | 37.5 - 46.4 |
| 6 | 46.5 - 55.4 |
| 7 | 55.5 - 64.4 |
| 8 | 65.5 + |

**4c. CROWN CLOSURE CLASS**

| CODE | CANOPY (percentage) |
|---|---|
| 0 | 0 - 5 |
| 1 | 6 - 15 |
| 2 | 16 - 25 |
| 3 | 26 - 35 |
| 4 | 36 - 45 |
| 5 | 46 - 55 |
| 6 | 56 - 65 |
| 7 | 66 - 75 |
| 8 | 76 - 85 |
| 9 | 86 - 100 |

**4d. ESTIMATED SITE INDEX**
Site index is the height of a dominant stand referenced at 50 years. Height is height in m. at breast height of the leading species. When an accurate SI cannot be obtained from sample trees, estimated SI's are provided. Estimates are to 10.

**Line 5 - Vegetation records**

**VEGETATED NON-TREE CATEGORIES (5a/ 4 and 5 records)**

**NON-TREED SHRUB**
- SB SHRUB - shrub with average shrub height < or = to two metres.
- SH SHRUB LOW - shrub with average shrub height more than two metres.

**NON-TREED HERB**
- H HERB - herb with no distinction between forbs and graminoids
- Hg HERB - GRAMINOID - herb with graminoids > 50% of the herb cover
- Hg HERB - GRAMINOID - herb with graminoids > 50% of the herb cover

**NON-TREED MOSS**
- Mo MOSS - moss with no distinction between mosses and lichens by cover.
- MF MOSS - FEATHER - moss with feathermosses > 50% of the moss cover.
- MT MOSS - CLUMPS - moss with lichens > 50% of the moss cover.

**NON-VEGETATED CATEGORIES (5a/ 4 and 5 records)**

| | | | |
|---|---|---|---|
| B | BEACH | ms | MUSKEG SEDIMENT |
| BE | BEACH | mp | RURAL FARM SPOILS |
| BU | BUCKATOLD | o | OCEAN |
| BY | BUCKYPOND | R | ROCK |
| SU | SUMMER AREA | s | SNOW COVER |
| U | CUTBANK | w | RESERVOIR |
| SO | SAND DUNE SOILS | w | WATER - STREAM |
| SL | SLAUGH | | |

Note: Water categories (o, w, s) not selected on VR protocol coverage.

| | | | |
|---|---|---|---|
| mm | RIDGE/HOR MARSH |
| n | RIVER SEDIMENTS |
| sa | SALINE |
| t | TALUS |
| v | VOLCANIC |

**NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (5a/ F records)**

| | | | |
|---|---|---|---|
| AF | AGRICULTURE FIELD | MW | MINE WASTE |
| C | CULTIVATED | NPBG | NON PRODUCTIVE BRUSH |
| CL | CLEARING | NPBU | NON PRODUCTIVE BURN |
| G | GRAVEL BAR | NPC | NON PRODUCTIVE CUTBLOCK |
| GR | GRAVEL PIT | NPL | NOT TYPING AREA |
| M | MEADOW | OR | ORCHARD |
| R | RANGE | P | PARK |
| | | S | SWAMP |

| | |
|---|---|
| SAND | SAND |
| TFF | TIDAL FLAT |
| U | URBAN |
| | |
| NCB | NON COMMERCIAL BRUSH |
| NCW | NON COMMERCIAL WOODY |
| NFI | NOT INVENTORIED |
| NPS | NOT SUCCESSFULLY RESTOCKED |
| NTA | NOT TYPING AVAILABLE |

**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
- B Broken
- C Cone and Seed Insects
- D Diseases
- I Insects
- L Logging
- N Non-Forest Cover
- N Non-Biological Injuries
- P Cone and Seeding Fungal Pathogens
- R Site Rehabilitation
- S Silviculture
- U Unknown
- V Problem Vegetation

**Example Opening History Details**

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

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

OPENING
OPENING LABELS
SILVICULTURE TREATMENT ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH






Overflow Labels