082K072

# Vegetation Map
# 082K072

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 / Tantalis

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 contained may not be complete and up to date Cadastral, administrative boundaries and the Ownership colour theme are for reference only and not to be considered land revisions (see ZOTA).

Labels Projected To: January 1, 2016

## MAP SYMBOLOGY

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

**TRIM - Base Features:**
- 4x4 Trail Roads
- Forest Service Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railroads
- Air Fields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolines/rivers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

**Administrative Boundaries:**
- BC Provincial Boundary
- MFLNRO 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 - Tantalis
- Municipal boundary (< 1:500,000 ha - 15 % hatch)
- Municipal boundary (> 1:500,000 ha ( no hatch)
- National Parks
- Fire Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

**Other:**
- NCSS 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
ex: the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator - Site Index ( estimated )
ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6.-15% ), SI 20m
5 Species Composition - Non-Forested Descriptor Codes
ex: a rock polygon with no distinction between rocks and gravel/soils, shrubs less that 2m.
6 Disturbance history & year - ex: Logged in 1978

**Line 1 - History Record Opening Number**

opening number valid for RESULTS mapsheet

2000 - 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 (a separate description of each layer is available in the data base, i.e. 1,2 )

**Line 3 - BC Tree Code List**

Species Composition: Species are labeled in their order of predominance. Major first Minor in brackets.
The following codes are based on "The B.C. Ministry of Forests Tree Code List" version 4.5 dated January 2009

**NATIVE CONIFERS**

| | |
|---|---|
| C | CEDAR |
| Cw | Western Red Cedar |
| Y | CYPRESS |
| Yc | Yellow Cedar |
| F | DOUGLAS FIR |
| Fd | Douglas Fir |
| Fdc | Coastal Douglas Fir |
| Fdi | Interior Douglas Fir |
| B | FIR (Balsam) |
| Ba | Amabilis Fir |
| Bg | Grand Fir |
| Bl | Subalpine Fir ( alpine) |
| H | HEMLOCK |
| Hm | Mountain Hemlock |
| Hw | Western Hemlock |
| Hmh | Mountain x Western hemlock hybrid |
| J | JUNIPER |
| Jr | Rocky Mtn. Juniper |
| Js | Sabeina Juniper |
| L | LARCH |
| La | Subalpine Larch |
| Lt | Tamarack |
| Lw | Western Larch |
| P | PINE |
| Pj | Jack Pine |
| Pl | Lodge Pole |
| Plc | Lodgepole Pine |
| Pli | Lodgepole Pine (Interior) |
| Plq | Lodgepole x Jack Pine hybrid |
| Pm | Mountain Pine Hybrid |
| Pw | White Pine (unsp) |
| Pwi | Western White Pine |
| Pxj | Hybrid Pine |
| S | SPRUCE |
| Sb | Black Spruce |
| Se | Engelmann Spruce |
| Sx | White Spruce |
| Sxl | Hybrid Spruce |
| Sx | Sub-alpine White |
| Sxl | Sitka x White |
| Sxs | Sitka x unknown hybrid |
| T | YEW |
| Tw | Western Yew |

**NATIVE HARDWOODS**

| | |
|---|---|
| D | ALDER |
| Dr | Red Alder |
| E | APPLE |
| Ep | Pacific Crab Apple |
| A | ASPEN or COTTONWOOD or POPLAR |
| At | Aspen |
| Ab | Balsam Poplar |
| Act | Black Cottonwood |
| Ae | Hybrid Poplars |
| At | Trembling Aspen |
| W | BIRCH |
| Wa | Alaska |
| Wp | Paper Birch |
| Wpa | Alaska Paper Birch |
| Wpk | Alaska x Paper Birch hybrid |
| Wp | Paper Birch (Prairie) |
| Ww | Water Birch |
| Wy | Yellow Birch |
| K | Cascara |
| V | DOGBEY |
| Vc | Choke Cherry |
| Vi | Choke Cherry |
| Vp | Pin Cherry |
| Vu | Unsp. Cherry |
| Vp | Pacific Dogwood (western flowering) |
| M | MAPLE |
| Mb | Broad-leaf Maple (bradleaf) |
| R | Vine Maple |
| G | OAK |
| Gg | Garry Oak |
| U | WILLOW |
| Wb | Bebb's Willow |
| Wh | Hooker Willow |
| Wa | Peachleaf Willow (Barlow's) |
| Wd | Pussy Willow (gaw, leonard) |
| Wr | Red Willow |
| Wl | Sitka Willow (lace-leaved) |

**UNKNOWN - OTHER**

| | |
|---|---|
| X | unknown conifer |
| Xc | unknown cedar |
| Xh | unknown hardwood |
| Xl | unknown (broad-leaf) |
| Z | other conifer |
| Zh | other hardwood |

**EXOTICS**

| | |
|---|---|
| Ya | APPLE |
| Ae | ASPEN, COTTONWOOD or POPLAR |
| Act | *Southern Cottonwood |
| Ap | *Aspen |
| Ew | European Birch |
| Ey | Silver Birch (exempt) |
| Ep | *Poplar |
| Ed | DOGBEY |
| Yv | Sweet Cherry |
| Yu | *Cherry |
| Cy | *Port Orford Cedar |
| Cl | *Cedar (Italian) |
| Fb | FIR (Balsam) |
| Bn | *Nordmann Fir |
| Bp | *Silver Fir |
| Pn | *Pine Fir |
| Pp | *Pine |
| Lp | *Siberian Larch |
| Ll | *Siberian Larch |
| Mo | MAPLE |
| Mn | Box Elder |
| Mh | *Norway Maple |
| Mp | *Sycamore Maple |
| Oa | OAK |
| Oq | *English Oak |
| Or | *Red Oak |
| Wb | OTHER EXOTICS |
| Ca | *Incense Cedar |
| Cw | *Western Red Cedar |
| Cn | *Coast Redwood |
| Gf | European Silverfish Ash |
| Gp | *Green Ash (unsp) |
| Cr | Common Pear |
| Gg | Oregon Ash |
| Gn | *Green Ash |
| Ch | *Doughnuts Hickory |
| Ta | *Tree of Heaven |
| Ch | *Horse Chestnut |
| Pe | *Norway Pine |
| Pi | *Red Pine |
| Pr | *Scots Pine |
| Sr | SPRUCE |
| Sn | *Norway Spruce |

**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 | 141-200 |
| 9 | 201 + |

**4b SITE INDEX**
SI 50 is known as the nearest metre reference at 50 years Breast Height Age. SI is based on the age and height of the tallest trees in the stand. Site index curves are used to estimate age and height, calculated SI is shown after, or replaces the SI.

**4b. HEIGHT CLASS**

| CODE | LIMITS (metres) |
|---|---|
| i | 0.1 - 10.4 |
| 1 | 10.5 - 19.4 |
| 2 | 19.5 - 29.4 |
| 3 | 29.5 - 37.4 |
| 4 | 37.5 - 46.4 |
| 5 | 46.5 - 55.4 |
| 6 | 55.5 - 64.4 |
| 7 | 65.5 + |

**4c. ESTIMATED SITE INDEX**
SI is estimated when suitable SI trees cannot present, e.g. young stands (<50yrs). It is denoted by a slash which always precedes the SI number, and is followed by the SI source code. Type Group and SI Estimated source code.

**4c. CROWN CLOSURE CLASS**

| CODE | LIMITS (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 |

**Line 5 - Vegetation records**

**VEGETATED NON TREE CATEGORIES (Sx-V and J (low-shb))**

| | |
|---|---|
| W | SHRUB TALL |
| w | SHRUB LOW |

- shrub with average shrub height > or = to 4 metres.
- shrub with average shrub height < two metres.

**NON-TREED HERB**

| | |
|---|---|
| h | HERB |
| hg | HERB - FORBS |
| hb | HERB - GRAMINOIDS |

- herb with no distinction between forbs and graminoids.
- herb with forbs > 50% of the herb cover.
- herb with graminoids > 50% of the herb cover.

**NON-TREED SHRUB**

| | |
|---|---|
| s | SHRUB |
| sm | SHRUB - MOSS |
| sl | SHRUB - LICHENS |

- shrub with no distinction between moss and lichens by cover.
- shrub with mosses, liverwrts, and hornwrts >50% of the shrub cover.
- shrub with lichens > 50% of the shrub cover.

**NON-VEGETATED CATEGORIES (Rx-Y and I (non-veg))**

| | | | | | |
|---|---|---|---|---|---|
| a | AIRPORT | g | GRAVEL PIT | m | MUDFLAT SEDIMENT |
| b | BEACH | i | ICE | mp | MUDFLAT SEDIMENT - TIDALS |
| bl | BUILDINGS | L | LAKE-MED | o | OCEAN |
| w | BEDROCK | L | LANDING | p | POND |
| c | CLIFF/CANYON | s | LAKE-LARGE SEDIMENTS | s | SNOW COVER |
| cu | CUTBANK | m | OPEN PIT MINE | t | TAILINGS |
| d | DEBRIS/TALUS | r | ROCK/RUBBLE | v | RIVER SEDIMENTS |
| g | GLACIER | | | w | RESERVOIR MARGIN |

Note: Water categories (a, cu, m, o) not labelled over 50 percent coverage.

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

| | | | |
|---|---|---|---|
| A | ALPINE | | |
| AF | ALPINE FOREST-Species | NP | NON-PRODUCTIVE |
| CL | CLEARED | NPB | NON-PRODUCTIVE BRUSH |
| CL | CLAY BANK | NPB | NON-PRODUCTIVE BURN |
| GL | GLACIAL TILL | NPF | NON PRODUCTIVE FOREST /Species |
| GR | GRAVEL PIT | NPR | NON-PRODUCTIVE ROCK |
| ICE | ICEFIELD | OP | OPEN RANGE |
| L | LANDING | F | HAYFIELD |
| MUD | MUDFLAT | P | PASTURE |
| | | S | SWAMP |

| | |
|---|---|
| SAND | SAND |
| PEAT | PEAT |
| URBAN | URBAN |
| NC | NON COMMERCIAL |
| NCBR | NON COMMERCIAL BRUSH |
| NP | NON-PRODUCTIVE |
| NPBR | NON-PRODUCTIVE BRUSH STOCKED |
| NTA | NOT TYPING AVAILABLE |

**Line 6 - Disturbance History**

Disturbance type code preceeded by symbol, followed by earliest date
For inheritance of disturbance type designated category, refer to official code list for sub-category descriptions.

| | | | |
|---|---|---|---|
| A | Animal Damage | L | Logging |
| C | Cattle | N | Non-Damage |
| C | Cone and Seed Insects | N | Non-Biological Injuries |
| D | Diseases | P | Cone and Seedling Fungal Pathogens |
| I | Insects | | |
| R | Site Rehabilitation | | |
| U | Unclassified Damage | | |
| U | Damage Unknown | | |
| V | Problem Vegetation | | |

**Example Opening History Details**

Detailed Silviculture information is available on the BCGW utilizing either IRF or ArcMap. The MapView example is of Inverness ESU/TU 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 Map" to turn on displays values for:

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




Overflow Labels

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