092P045

# Vegetation Map
# 092P045

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRMIS / 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 display specific information and may not be suitable for other purposes. The accuracy of the information contained 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 (CFS)
- Research Installations

**TRIM. Base Features:**
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- 4x4Tertes
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Huhrifies/Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

**Administrative Boundaries:**
- BC Provincial Boundary
- FLNRO Region boundary
- Resource District boundary - FADM
- RV - 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 (> 1:200,000 ha - 15 % hatch)
- Municipal boundary (> 1:200,000 ha) - no hatch)
- National Parks
- First 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
ex. the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separated by a / ; site index ( estimated SI)
ex: stand in age class 2 (21-40 yrs), height class 1 (0-10 Am), crown closure class 1 (6-16%), SI 20m
5 Site Information - Site Series; Soil Moisture Regime
ex: 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**

nnn - opening number valid for BCGS mapsheet  ccnn - opening number has not been assigned

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

VRMIS 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 4.6 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 |
| Hxm | Mountain x Western Hemlock hybrid |
| J | JUNIPER |
| Jr | Rocky Mtn. Juniper |
| L | LARCH (tamarack) |
| Lt | Tamarack |
| Lw | Western Larch |
| P | PINE |
| Pj | Jack Pine |
| Pl | Lodgepole Pine |
| Plc | Lodgepole Pine (interior) |
| Plx | Lodgepole Pine (contorta hybrid |
| Pa | Ponderosa Pine (yellow) |
| Pw | Shore Pine (coast) |
| Pxj | Ponderosa x Jack Pine |
| Pw | Whitebark Pine |
| S | SPRUCE |
| Se | Engelmann Spruce |
| Sw | Engelmann Spruce |
| Ss | Sitka Spruce |
| Sx | Spruce Hybrid |
| Sxw | Spruce Hybrid |
| Sxw | Engelmann x White |
| Sxl | White x Lutz |
| Sxs | Sitka x unknown hybrid |
| T | YEW |
| Tw | Western Yew |

**NATIVE HARDWOODS**

| | |
|---|---|
| D | ALDER |
| Dr | Red Alder |
| U | APPLE |
| Ue | Pacific Crab Apple |
| At | ASPEN, COTTONWOOD or POPLAR |
| Ac | Aspen |
| Act | Trembling Aspen |
| Ax | Black Cottonwood |
| Ap | hybrid Poplars |
| Ae | Balsam Poplar |
| Ab | BIRCH |
| Yb | Birch |
| Ybp | Paper Birch |
| Ybl | Alaska x Paper Birch hybrid |
| Ybh | Alaska (Kenai variety) |
| Ye | Water Birch |
| K | CASCARA |
| E | ELDERBERRY |
| V | CHERRY |
| Vb | Bitter Cherry |
| Vc | Choke Cherry |
| Vp | Pin Cherry |
| G | DOGWOOD |
| Gp | Pacific (Dogwood (western flowering) |
| M | MAPLE |
| Mb | Bigleaf Maple (broadleaf) |
| Mv | Vine Maple |
| Q | OAK |
| Qg | Garry Oak |
| W | WILLOW |
| Wb | Scouler Willow |
| Wp | Pacific Willow |
| Wtp | Peachleaf Willow (Barclay's) |
| Wy | Hooker Willow (Sitka Variety) |
| Wr | Red Willow |
| Wt | Sitka Willow (tea-leaved) |

**UNKNOWN - OTHER**

| | |
|---|---|
| X | UNKNOWN |
| Xc | Unknown Conifer |
| Xh | unknown hardwood |
| Z | OTHER (tree not on list) |
| Zc | other conifer |
| Zh | other hardwood |

**EXOTICS**

| | |
|---|---|
| Ue | APPLE |
| | ASPEN, COTTONWOOD or POPLAR |
| Ax | *Southern Cottonwood |
| Ay | *Lombardy |
| Ea | European Birch |
| Ey | Silver Birch (swamp) |
| Ep | *Weeping Birch |
| | CHERRY |
| Ys | Sweet Cherry |
| | CYPRESS |
| Yp | *Port Orford Cedar |
| | FIR (Balsam) |
| Bp | *Noble Fir |
| Bg | Noble Fir |
| Bm | *Momi Fir |
| Bn | *White Fir |
| | LARCH |
| Le | *European Larch |
| Lk | *Japanese Larch |
| | MAPLE |
| Mr | Red Maple |
| Mh | *Norway Maple |
| Ms | *Sycamore Maple |
| | OAK |
| Oa | *English Oak |
| Or | *Red Oak |
| | OTHER EXOTICS |
| Ce | *Incense Cedar |
| Ob | *Giant Sequoia |
| Oc | *Monterey Cypress |
| Ot | European Mountain Ash |
| Ou | *Black Walnut (Southern) |
| Of | Common Pear |
| Og | Oregon Ash |
| Oh | *Horse Chestnut |
| Ol | *Shagbark Hickory |
| Oj | *Japanese Larch |
| Ow | Japanese Walnut |
| | PINE |
| Pm | *Monterey Pine |
| Pr | *Red Pine |
| Ps | *Scotch Pine |
| | 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 | 141-250 |
| 9 | 251 + |

**4b HEIGHT CLASS**

| CODE | LIMITS (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 | 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 |

**4d SITE INDEX**

Breast height age, to the nearest metre referenced at 50 years. Breast height age, 50 is based on the age and height of the 4 leading species. When an accurate SI cannot be obtained from age and height measurements it is shown after or replaces the SI.

**4e ESTIMATED SITE INDEX**

Estimated site index is based on the site series permit present, e.g. young stands in Fdc01, it is identified by a dash which always precedes it. Associated fields in the data base are Inventory Type Group and SI Estimated source code.

**Line 5 Vegetation records**

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

- w SHRUB TALL - shrub with average shrub height > or = to two metres.
- w SHRUB LOW - shrub with average shrub height < two metres.

**NON-TREED HERB**
- H HERBS - herb with no distinction between forbs and graminoids.
- M HERBS - FORBS - herb with forbs > 50% of the herb cover.
- hg HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

**NON-TREED BRYOID**
- bm BRYOID - MOSS - bryoid with no distinction between mosses and lichens by cover
- bm BRYOID - MOSS - bryoid with mosses, liverworts, and hornworts > 50% of the bryoid cover.
- lc BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

**NON VEGETATED**
- rl Exposed Land
- rc Rock / Rubble
- re Snow / Ice

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

| | | | | | |
|---|---|---|---|---|---|
| ap | AIRPORT | gp | GRAVEL PIT | mu | MUD/FLAT SEDIMENT |
| b | BEACH | l | LAKE | mb | MUSKEG MIKE SPOILS |
| bl | BLOCKFIELD | la | LAVA BED | oc | OCEAN |
| bs | BEDROCK | li | LANDING | os | OTHER SURFACE |
| cb | CUTBANK AREA | s | SALINE LAKE SEDIMENTS | sn | SNOW COVER |
| cl | CUTBANK | mp | OPEN PIT MINE | ri | RESERVOIR |
| d | DUNE | | | sw | SALINE WETLAND |
| gl | GLACIER | | | | |

Note: Water categories (la, ml, rie, rl) not labelled over 95 percent coverage.

| | | | | | |
|---|---|---|---|---|---|
| mr | RESERVOIR MARGIN | | | | |
| rm | RIVER/MARSH | | | | |
| rs | RIVER SEDIMENTS | | | | |
| rz | RIVER SURFACE | | | | |
| ta | TALUS | | | | |
| tz | TAILINGS | | | | |
| u | URBAN | | | | |

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

| | | | | | |
|---|---|---|---|---|---|
| A | ALPINE | NP | NON PRODUCTIVE | SAND | SAND |
| AF | ALPINE FOREST /Species | NPBR | NON PRODUCTIVE BRUSH | TFL | TIDAL FLAT |
| BE | ELECTRIFIED BURN | NPBU | NON PRODUCTIVE BURN | U | URBAN |
| CL | CLAY BANK | NPF | NON PRODUCTIVE FOREST /Species | | |
| DU | DUNES, SAND | N/A | NOT APPLICABLE | NC | NON COMMERCIAL |
| GR | GRAVEL BAR | O | OPEN RANGE | NCBR | NON COMMERCIAL BRUSH |
| ICE | ICEFIELD | P | HAYFIELD | NP | NON PRODUCTIVE |
| MU | MUD FLAT | R | RIVER | NPBR | NON PRODUCTIVE BRUSH/TREED |
| NAT | NATURAL | S | SWAMP | N/A | 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.

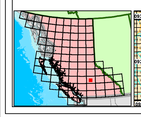
| | | | |
|---|---|---|---|
| A | Animal Damage | L | Logging |
| B | Wildfire | M | Mite Damage |
| C | Cone and Seed Insects | N | Non-Biological Injuries |
| D | Disease | P | Cone and Seedling Fungal Pathogens |
| I | Insects | | |
| R | Site Rehabilitation | | |
| T | Treatment Injuries | | |
| U | Damage Unknown | | |
| V | Problem Vegetation | | |

**Example Opening History Details**

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The Map\View example is of themed RESULTS data.

The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Under "Map Layers" in the "Display Map Overlay Silviculture Map" to turn on display values for -

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



## Overflow Labels

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