# Vegetation Map
## 093K024

Ministry of Forests, Lands and Natural Resource Operations

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRIMS2 - 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 on this map is subject to change. Boundaries, 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
- Sliver
- Structure Opening or Vegetation
- Permanent Sample Plot (VRI)
- Research Installations

**TRIM: Base Features:**
- Ab Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railway
- Air Ferries
- Other Area
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Patch/Numberless - ESRI
- Waterbodies - ESRI
- Wetlands - ESRI
- Ocean - ESRI

**Administrative Boundaries:**
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- MoF 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 (1:1,000,000 fuz - 15 % hatch)
- Municipal boundary (1:1,000,000 fuz - 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 Structure 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 SI
ex. 80 year old trees, 25 metres high, 50% crown closure, crown closure class 5 (45-55%), SI 20m
5 Vegetated Density Class (or Non-Forest/Non-Productive Descriptor)
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**

opening number valid for BCGS mapsheet. 0024 - opening number has not been assigned

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

VRIMS Polygon Number - ranging from one to nine digits
L - additional layer(s) to 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**

| | |
|---|---|
| Cw | Western Red Cedar |
| Ep | Pacific Silver |
| Yc | Yellow Cedar |
| F | DOUGLAS FIR |
| Fd | Douglas Fir |
| Fdc | Coastal Douglas Fir |
| Fdi | Interior Douglas Fir |
| Hw | Hemlock |
| Ba | Amabilis Fir |
| Bg | Grand Fir |
| Bl | Subalpine Fir (alpine) |
| Bp | Balsam |
| Hm | Mountain Hemlock |
| Hw | Western Hemlock |
| Hxm | Western Hemlock Hemlock hybrid |
| J | JUNIPER |
| Jr | Rocky Mt. Juniper |
| Js | Sitkaton Juniper |
| L | LARCH |
| Lw | Larch western |
| Lt | Tamarack |
| Lx | Hybrid Larch |
| P | PINE |
| Pa | Whitebark Pine |
| Pl | Lodge Pole |
| Plc | Lodgepole Pine (interior) |
| Pli | Lodgepole x Jack Pine hybrid |
| Plx | Lodgepole Pine (Contorta) |
| Pw | Stone Pine (coastal) |
| Py | Western White Pine |
| Py | Ponderosa Pine |
| Sb | Black Spruce |
| Se | Engelmann Spruce |
| Sw | White Spruce |
| Sx | White Spruce |
| Sx | Spruce hybrid |
| Sxb | Sitka x White Spruce |
| Sxl | Sitka x White |
| Sxw | Spruce Interior Hybrid |
| T | YEW |
| Tw | Western Yew |

**NATIVE HARDWOODS**

| | |
|---|---|
| D | ALDER |
| Dr | Red Alder |
| At | ARTIC |
| Ac | Artic Cold Alpine |
| A | ASPEN, COTTONWOOD or POPLAR |
| At | Aspen |
| Ax | Balsam Poplar |
| Act | Black Cottonwood |
| Ep | Paper Birch |
| Ax | Trembling Aspen |
| E | BIRCH |
| Ba | Alaskan Birch |
| Ea | Alaska Paper Birch |
| Eal | Alaska x Paper Birch hybrid |
| Ep | Paper Birch |
| Ea | Water Birch |
| Ey | Yellow Birch |
| Ki | Cascara |
| Mb | Bigleaf Maple |
| Vb | Mountain Maple (broadleaf) |
| Vi | Chokecherry |
| D | DOGWOOD |
| Dr | Pacific Dogwood (western flowering) |
| G | OAK |
| Gb | Garry Oak |
| G | OAK |
| Gb | Garry Oak |
| W | WILLOW |
| Wb | Bebb's Willow |
| Wp | Pacific Willow |
| Wr | Peachleaf Willow (Bonita?) |
| Ws | Scouler's Willow (Hookeriana) |
| Wy | Sitka Willow (Sitchensis) |

**UNKNOWN - OTHER**

| | |
|---|---|
| X | UNKNOWN |
| Xa | Unknown Alder |
| Xd | Unknown Hardwood |
| Z | OTHER (tree not on list) |
| Y | Western Yew |

**Line 4**

**4a. AGE CLASS**

| CODE | AGE RANGES (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 | HEIGHT RANGES (metres) |
|---|---|
| 1 | 0.1 - 10.4 |
| 2 | 10.5 - 19.4 |
| 3 | 19.5 - 27.4 |
| 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 | CLOSURE (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**

SI 50 are shown in the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the tallest trees in the polygon. Site index is estimated from the age and height, estimated SI is shown after a / replace the SI.

**4e. ESTIMATED SITE INDEX**

SI is estimated from site series. Where SI data is also present, e.g. young stands (<30yrs), it is denoted by a slash which always precedes estimated SI. Example: 5/4 = SI data present and surveyor Type Group and SI Estimated source code.

**Line 5 - Vegetation records**

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

**SHRUBS**
- SB SHRUB - shrub with average shrub height > or = to two metres.
- SH SHRUB - shrub with average shrub height < two metres.

**NON-TREED HERB**
- HE HERB - herb with no distinction between forbs and graminoids.
- HF HERB - FORBS - herb with forbs > 50% of the herb cover.
- HG HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

**NON-TREED MYCHO**
- MB MYCHOID - mycoid with no distinction between mosses and lichens by cover.
- ML MYCHOID - LICHENS - mycoid with lichens > 50% of the mycoid cover.
- MM MYCHOID - MOSSES - mycoid with mosses > 50% of the mycoid cover.

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

| | | | |
|---|---|---|---|
| AC | ANTHROPOGENIC CLEARING | MS | MUDFLAT SEDIMENTS |
| AF | ARTIFICIAL | OC | OCEAN |
| AT | ATTACHED | OR | OTHER |
| BE | BEACH | RE | RESERVOIR |
| BL | BLUFF | RI | RIVER |
| CB | CLIFF/TALUS SEDIMENTS | RO | ROCK OUTCROP |
| CL | CLIFF | SA | SALT WATER |
| EL | EXPOSED SOILS | SW | SWAMP |
| GL | GLACIER | TA | TALUS |
| HA | HARBOUR | UR | URBAN |
| LA | LAKE | WA | WATER - Water categories (eg. lk, la, rv) not labelled when 95 percent coverage |
| LB | LAVA BED | | |
| MA | MARSH | | |
| MN | MINERAL | | |

| | | | |
|---|---|---|---|
| RM | RESERVOIR MARGIN | SC | SNOW/ICE CAP |
| RN | RAILWAY SURFACE | SE | SNOW/ICE PERENNIAL |
| RS | ROAD SURFACE | SI | SNOW/ICE |
| RU | RUBBLE | TZ | TALUS |
| SB | SAND BAR | UR | URBAN |
| SD | SAND DUNE | | |
| SF | SNOW/ICE FLAT | | |

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

| | | | |
|---|---|---|---|
| AF | ALPINE FOREST / Species | NC | NON COMMERCIAL |
| AT | ALPINE TREES / Species | NCBR | NON COMMERCIAL BRUSH |
| CL | CLAY BANK | NP | NON PRODUCTIVE |
| CR | CROP / Species | NPBR | NON PRODUCTIVE BRUSH |
| GB | GRAVEL PIT | NPFL | NON PRODUCTIVE FOREST Species |
| ICE | ICEFIELD | NPMA | NON PRODUCTIVE MARSH |
| MUD | MUD FLAT | NPSW | NON PRODUCTIVE SWAMP |
| MUD | MUDFLAT | NSR | NO STRIKE 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 | Insects and Seed Insects | N | Non-Forest Fungal Injuries |
| D | Diseases | P | Cone and Seedling Fungal Pathogens |
| I | Insects | | |
| R | Site Rehabilitation | | |
| T | Treatment Injuries | | |
| U | 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. Under "Map Layers" click on "Display Silviculture Map" to turn on display values for:

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







093K093 093K034 093K035 093K023 093K024 093K025 093K013 093K014 093K015

66-13 66-14 66-15 66-4 66-6 66-7

40

Nadina Natural Resource District

RANGE 5 COAST DISTRICT

EP0866 (1-4) EP0866 (1-4)

SEC 19&21 SEC 19&21

SEC 19&21 SEC 19&21

Overflow Labels