# Vegetation Map
## 083D094

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 contained in this map is not intended for use as a land title plan. Administrative boundaries are the ownership active theme are for reference purposes only (Legend revisions June 2014)

Labels Projected To January 1, 2015

### MAP SYMBOLOGY

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

**TRIM - Base Features:**
- Spot Elevations
- Forest Service Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroelectric reservoirs - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

**Administrative Boundaries:**
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- BAY 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 (< 1:20,000 Ha - 1% ½ hatch)
- Municipal boundary (> 1:20,000 Ha) - no hatch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Area
- Recreation Areas

**Other:**
- MCGS 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
a,c the most important layer is described e.g.Fd (Douglas Fir) and Hw (Western Hemlock)
4 Age, Height, Crown Closure Class Code - separator: Site Index / estimated SI
a,c stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6.-15% ), SI 20m
5 Vegetated Density Class (or Non-Forest Productive Descriptor)
6 Disturbance History (e.g. Logged in 1978) - for silviculture units and grantmends, shrubs less that 2m.
6 Disturbance History & year - ex. Logged in 1978

**Line 1 - History Record Opening Number**

OGR - opening number valid for BCGS mapsheet ; ##### - opening number has not been assigned

**Line 2 - Polygon No. / Multilayer**

VRI Polygon Number - ranging from one to nine digits
M - Multilayer - if 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 dated January 2009.

**NATIVE CONIFERS**

| | |
|---|---|
| C | CEDAR |
| Cw | Western Red Cedar |
| Y | YEW |
| Yc | Yellow Cypress |
| F | FIR (Douglas) |
| Fd | Douglas Fir |
| Fdc | Coastal Douglas Fir |
| Fdi | Interior Douglas Fir |
| B | FIR (Balsam) |
| Bg | Grand Fir |
| Bl | Subalpine Fir |
| Bl | Subalpine Fir (alpine) |
| Bp | Amabilis Fir |
| Hw | Western Hemlock |
| Hw | Western Hemlock |
| H | HEMLOCK (Western-Hemlock hybrid |
| H | HEMLOCK |
| J | Rocky Mtn. Juniper |
| J | Juniper (undiff.) |
| L | LARCH |
| Lt | Native Larch |
| Lw | Western Larch |
| Lw | Western Larch |
| P | PINE |
| Pj | Jack Pine |
| Pl | Lodgepole Pine |
| Pli | Lodgepole Pine |
| Pla | Lodgepole Pine (alaska) |
| Plc | Lodgepole Pine (coastal) |
| Pp | Ponderosa Pine (yellow) |
| Pw | Shore Pine (coast) |
| Pwi | Shore Pine (interior) |
| Pa | Whitebark Pine |
| S | SPRUCE |
| Se | Engelmann Spruce |
| Sw | Engelmann Spruce |
| Sx | Sitka Spruce |
| Sxs | Sitka Spruce |
| Sxe | Spruce hybrid |
| Sxw | Engelmann x White |
| Sxl | Sitka x White |
| Sxl | Sitka x unknown hybrid |
| T | YEW |
| Tw | Western Yew |

**NATIVE HARDWOODS**

| | |
|---|---|
| A | ALDER |
| Dr | Red Alder |
| Ds | Sitka Alder |
| E | ASPEN, COTTONWOOD or POPLAR |
| Ep | Aspen |
| Ac | Black COTTONWOOD or POPLAR |
| Act | Poplar |
| Ax | Aspen Hybrid |
| Ax | Hybrid Poplars |
| Ax | Hybrid Aspens |
| G | MISCELLEA |
| Ge | Arbutus |
| Gg | Garry Oak |
| Gp | Alaska Paper Birch |
| Gp | Alaska x Paper Birch hybrid |
| Gp | Paper Birch (Alaska) |
| Gw | Water Birch |
| K | CASCARA |
| Kc | Cascara |
| M | CHERRY |
| Mb | Bitter Cherry |
| Md | Pin Cherry |
| Mv | Choke Cherry |
| Mx | Cherry hybrid |
| Qg | Pacific Dogwood (western flowering) |
| R | MAPLE |
| Rd | Red Alder |
| Rm | Vine Maple |
| Rp | Broadleaf Maple |
| W | Garry Oak |
| W | WILLOW |
| Wa | Pacific Willow |
| Wa | Pacific White |
| Wa | Peachleaf Willow (Banksi's) |
| Wb | Bebb Willow (Beaked Willow) |
| Wp | Pacific Willow |
| Ws | Sitka Willow (low-branch) |

**UNKNOWN CONIFER OR HARDWOOD**

| | |
|---|---|
| Xc | unknown conifer |
| Xh | unknown hardwood |
| Xh | OTHER (tree not on list) |
| Xc | other conifer |
| Xh | other hardwood |

**EXOTICS**

| | |
|---|---|
| | APPLE |
| Ua | Apple |
| Ae | ASPEN, COTTONWOOD or POPLAR |
| Ae | Aspen |
| Ae | "Southern Cottonwood" |
| Be | BIRCH |
| Be | European Birch |
| Be | "Asian Birch (swamp)" |
| Be | European Birch |
| Y | CHERRY |
| Yc | "Black Cherry" |
| Yc | CYPRESS |
| Yc | "Port Orford Cedar |
| Yc | Cypress |
| Hn | Nikko Fir |
| Bn | Noble Fir |
| Bn | Noble Fir |
| Hm | Hemlock |
| Hm | "Himalayan Hemlock" |
| Hm | Himalayan Hemlock |
| Hm | Himalayan Hemlock |
| Lk | LARCH |
| Lk | "Japanese Larch |
| Lk | "Siberian Larch |
| Lk | Larch |
| M | MAPLE |
| Mb | "Norway Maple |
| Mb | Norway Maple |
| Ms | "Sycamore Maple |
| Ms | Maple |
| Ms | "Sycamore Maple |
| Ms | Sycamore Maple |
| | OTHER EXOTICS |
| Ch | "Horse Chestnut |
| Ch | "Giant Sequoia |
| Cr | "Coast Redwood |
| Dr | "Monterey Cypress |
| Dr | Monterey Cypress |
| Df | Common Pear |
| Dr | "Monterey Pine |
| Dr | Monterey Pine |
| Dr | "Shagbark Hickory |
| Dr | "Black Walnut |
| Dr | Japanese Walnut |
| | PINE |
| Pm | Monterey Pine |
| Pr | "Red Pine |
| Pr | "Scots Pine |
| Pr | Scots Pine |
| Pr | "Austrian Pine |

**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 | 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**

All SI are shown to the nearest metre referenced at 50 years breast height age. Site index curve number is shown in brackets leading species. Where site index SI is estimated the alphabet height age and height estimated SI is shown after, or replaces the SI.

**4e. ESTIMATED SITE INDEX**

SI is estimated when suitable SI trees aren't present, e.g. Recently logged areas. Site index is from the Site Index Estimates by Ecosection SI tables in the data base are Inventory Type Group and SI Estimated source code.

**Line 5 - Vegetation records**

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

**NON-TREED SHRUB**

| | |
|---|---|
| st | SHRUB TALL - shrub with average shrub height > or = to two metres. |
| sm | SHRUB MEDIUM - shrub with average shrub height < two metres. |

**NON-TREED HERB**

| | |
|---|---|
| hg | 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 BRYOID**

| | |
|---|---|
| by | BRYOID - moss with no distinction between mosses and lichens by cover. |
| bm | BRYOID - MOSS - bryoid with mosses, liverwarts, and hornworts > 50% of the bryoid cover. |
| bl | BRYOID - LICHEN - bryoid with lichens > 50% of the bryoid cover. |

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

| | | | |
|---|---|---|---|
| ro | ROCK | mu | MUD/FLAT SEDIMENT |
| rs | ROCK/SOIL | sa | ALLUVIAL SAND DEPOSITS |
| rr | RUBBLE | sl | SALT FLAT |
| re | RECENT | s | SAND |
| sl | LANDING | o | OTHER |
| ss | SHALLOW LAKE SEDIMENTS | wr | RIVER/STREAM |
| sw | SHALLOW WATER | wl | RESERVOIR |
| wo | WORKING | | RIVER / STREAM |

Note: Water categories (wl, ws, w, o) not labelled over 50 percent coverage.

| | |
|---|---|
| rm | RESERVOIR MARGIN |
| rw | RIVERINE SEDIMENTS |
| ri | RIVERINE WATER |
| i | ROAD SURFACE |
| t | TAILINGS |
| u | URBAN |

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

| | | | |
|---|---|---|---|
| AF | ALPINE FOREST | MW | MUSKEG WOODED |
| AF | ALPINE FOREST (Species | MNPB | NON-PRODUCTIVE BRUSH |
| C | CULTIVATED | NPBG | NON-PRODUCTIVE BURN |
| G | GRASSLAND | NP | NON-PRODUCTIVE - NO Species |
| GA | GRASS, MIX | NC | NON-COMMERCIAL |
| GR | GRASS, PIT | NCBR | NON-COMMERCIAL BRUSH |
| M | MUSKEG | NF | NON-FORESTED |
| M | MUSKEG | NSY | NOT SUFFICIENTLY RESTOCKED |
| WW | WHITE WOOD | NTA | NO TYPING AVAILABLE |

| | |
|---|---|
| BRSD | SAND |
| TILE | TILE PLANT |
| U | URBAN |

**NON-VEGETATED**

| | |
|---|---|
| E | Exposed Land |
| W | Water (fresh) |
| S | Snow / Ice |

**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 |
| W | Wildfire | M | Mite Damage |
| C | Cone and Seed Insects | N | Non-Biological Injuries |
| D | Disease | P | Core 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
Warehouse and in iMapBC. The MapView examples is
of Harvest 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 Map" to turn on display values for -

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



