BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

# Vegetation Map
## 092H086

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 / Tertiary

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 for reference purposes only. (Legend revisions June 2014)

Lattice Projected To: January 1, 2016

### MAP SYMBOLOGY

**Forest Inventory Features:**
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (0315)
- Research Installations

**TRIM. Base Features:**
- Air Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Ferries
- Other Area
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Non-Barriers - ERM
- Watercourses - ERM
- Waterbodies - ERM
- Wetlands - ERM
- Ocean - ERM

**Administrative Boundaries:**
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- BC Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tertiary
- Municipal boundary (1:1,000,000 hac - 1% hatch)
- Municipal boundary (1:1,000,000 hac - 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
4 Age, Height, Crown Closure (Top layer is described as Fd (Douglit Fir) and Hw (Western Hemlock).
5 Age, Height, Crown Closure (Second layer is described as Fd (Douglit Fir) and Hw (Western Hemlock). ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-15%). SI 20m
6 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1978

**Line 1 - History Record Opening Number**
XXXX - opening number valid for BC GIS mapsheet
XXXX - 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 tabled 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 |
| Y | CYPRESS |
| Yc | Yellow Cedar |
| F | DOUGLAS FIR |
| Fd | Douglas Fir |
| Fdc | Coastal Douglas Fir |
| Fdi | Douglas Fir(Interior) |
| B | FIR (Balsam) |
| Ba | Amabilis Fir |
| Bg | Grand Fir |
| Bl | Subalpine Fir (alpine) |
| H | HEMLOCK |
| Hw | Western Hemlock |
| Hwi | Western Hemlock x Western Hemlock hybrid |
| Hm | Mountain Hemlock |
| J | Rocky Mtn. Juniper |
| Lw | Western Larch |
| L | LARCH |
| Lt | Tamarack |
| Lp | Lodgepole Pine |
| Lw | Western Larch |
| P | PINE |
| Pj | Jack Pine |
| Pl | Lodgepole Pine |
| Pli | Lodgepole Pine (interior) |
| Plx | Lodgepole x Jack Pine hybrid |
| Pm | Western White Pine |
| Pw | Stone Pine (exotic) |
| Pw | Western White Pine |
| Pyc | Ponderosa Pine |
| S | SPRUCE |
| Sb | Black Spruce |
| Se | Engelmann Spruce |
| Sx | Sitka Spruce |
| Sw | White Spruce |
| Sxw | Hybrid Spruce |
| Sxe | Engelmann x White |
| Sxl | Sitka x White |
| Sx | Sitka x unknown hybrid |
| YEW | |
| Tw | Western Yew |

**NATIVE HARDWOODS**

| | |
|---|---|
| D | ALDER |
| Dr | Red Alder |
| U | APPLE |
| Up | Pacific Crab Apple |
| A | ASPEN, COTTONWOOD or POPLAR |
| At | Trembling Aspen |
| Ac | Black Cottonwood |
| Ap | Balsam Poplar |
| Ax | Hybrid Poplars |
| Al | Trembling Aspen |
| Ep | Black Poplar |
| Pw | Willow |
| B | BIRCH |
| Bp | Alaska Paper Birch |
| Bpp | Alaska x Paper Birch hybrid |
| Bp | Paper Birch (white) |
| Bm | Mountain Birch |
| K | CASCARA |
| Kr | Cascara |
| C | CHERRY |
| Ue | Bitter Cherry |
| Y | Choke Cherry |
| Ym | Black Cherry |
| G | DOGWOOD |
| Gp | Pacific Dogwood (western flowering) |
| M | MAPLE |
| Mv | Vine Maple |
| Mb | Bigleaf Maple (broadleaf) |
| Q | OAK |
| Qg | Garry Oak |
| W | WILLOW |
| Wb | Bebb's Willow |
| Wc | Black Cottonwood |
| Wp | Peachleaf Willow (Bentle's) |
| Ww | Pussy Willow (grey-leaved) |
| Wl | Willow (Lutea) |
| Ws | Sitka Willow (tea-leaved) |

**UNKNOWN - OTHER**

| | |
|---|---|
| X | UNKNOWN |
| Xh | unknown hardwood |
| Xc | OTHER (tree not on list) |
| Xn | unknown |
| Zh | other hardwood |

**EXOTICS**

| | |
|---|---|
| Ax | ASPEN |
| Axp | ASPEN, COTTONWOOD or POPLAR |
| Ac | Balsam Cottonwood |
| Bn | BIRCH |
| Be | European Birch |
| Bs | Silver Birch (exotic) |
| Bs | Silver Birch (swamp) |
| Cx | CHERRY |
| Cs | Sweet Cherry |
| Cy | Cherry plum |
| Ce | Red Orbed Cedar |
| Fb | FIR (Balsam) |
| Fb | Balsam Fir |
| Bm | Noble Fir |
| Bm | Shasta Red Fir |
| Lx | LARCH |
| Lk | LARCH |
| Ld | Dahurian Larch |
| Lk | Siberian Larch |
| Mx | MAPLE |
| Mk | Box Elder |
| Mp | Norway Maple |
| Mr | Sycamore Maple |
| Oe | English Oak |
| Oh | Holly Oak |
| Xe | OTHER EXOTICS |
| Ge | Incense Cedar |
| Gr | Grand Fir |
| Gp | Grand Redwood |
| Ep | European Mountain Ash |
| Ev | Common Mountain Ash |
| Cf | Common Fruit |
| Og | Oregon Ash |
| Ot | Oregon Ash |
| Ch | Shagbark Hickory |
| Cj | Tree-of-heaven |
| Jn | Black Walnut |
| Jn | Walnut |
| Pm | Monterey Pine |
| Pn | Pine |
| Pp | Red Pine |
| Sn | SPRUCE |
| Sn | Norway Spruce |

**Line 4**

**4a AGE CLASS**

| CODE | LIMITS (years) |
|---|---|
| 1 | 0-20 |
| 2 | 21-40 |
| 3 | 41-60 |
| 4 | 61-80 |
| 5 | 81-100 |
| 6 | 101-140 |
| 7 | 141-140 |
| 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) |
|---|---|
| 1 | 0 - 5 |
| 2 | 6 - 15 |
| 3 | 16 - 25 |
| 4 | 26 - 35 |
| 5 | 36 - 45 |
| 6 | 46 - 55 |
| 7 | 56 - 65 |
| 8 | 66 - 75 |
| 9 | 76 - 85 |
| 0 | 86 - 100 |

**4d SITE INDEX**
All Score shown is the normal metre referenced at 50 years Breast Height Age. SI is based on the age and height of the dominant and co-dominant trees. Site Index can be displayed from age and height, estimated SI is shown after or replaces the SI.

**4e ESTIMATED SITE INDEX**
SI is estimated when Lodgepole SI does exerist (present), e.g. young stands (<30yrs). It is denoted by a slash which always precedes the SI. Estimated SI is not to be displayed from Type Group and SI Estimated source code.

**Line 5 - Vegetation records**

**VEGETATED NON-TREE CATEGORIES (for V and I occ=0/4)**

**NON-TREED SHRUB**
- sl SHRUB TALL - shrub with average shrub height > or = to two metres.
- s SHRUB LOW - 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 gaminoids > 50% of the herb cover.

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

**NON VEGETATED**
- ar Exposed Land
- ru RUBBLE
- sn Snow / Ice

**NON-VEGETATED CATEGORIES (for V and I occ=0/4)**
- ap AIRPORT
- bs BUSHPILOT
- bc BLOCKFIELD
- br BEDROCK
- cl CLIFF/CANYON
- cu CUTBANK
- ex EXPOSED SOILS
- gl GLACIER
- gp GRAVEL PIT
- ll LAKE
- lm LAKE MISC
- l LANDING
- ls LAKE/LAKE SEDIMENTS
- cr CREEK/ RIVER
- nn NORMAL
- mu MUDFLAT SEDIMENT
- mp MUDFLAT/ MINE SPOILS
- oc OCEAN
- ot OTHER
- rc ROCK/ COVER
- re RESERVOIR
- r RIVER / STREAM
- rm RESERVOIR MARGIN
- rs RIVER SPOILS
- rsb RIVER SEDIMENTS
- ro ROAD SURFACE
- sa SALT
- tz TIDALMUD
- ur URBAN

Note: Water categories (ll, ls, re, r) not labelled over 90 percent coverage.

**NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F occ=0/4)**
- A ALPINE
- AF ALPINE FOREST (Species)
- C CULTIVATED
- CB CLEARCUT
- G GRAVEL BAR
- GR GRAVEL PIT
- L LAKE SHORE
- M MEADOW
- MUD MUDFLAT
- MBS NON-PRODUCTIVE BRUSH
- MFBU NON-PRODUCTIVE BURN
- MFS NON-PRODUCTIVE FOREST (Species)
- NYA NOT FYING AVAILABLE
- OR OPEN RANGE
- R ROCK / RUBBLE
- S SOCK
- S SWAMP
- SAND SAND
- TIDE TIDAL FLAT
- U URBAN
- NC NON-COMMERCIAL
- NCBR NON COMMERCIAL BRUSH
- NFBU NOT FYING BURNED
- NSR NOT SUFFICIENTLY RESTOCKED
- NYA NOT FYING AVAILABLE

**Line 6 - Disturbance History**
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

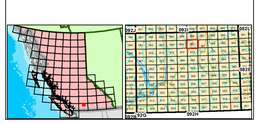
| | | | | | |
|---|---|---|---|---|---|
| A | Animal Damage | L | Logging | R | Site Rehabilitation |
| B | Wildfire | M | Mite Damage | T | Treatment Injuries |
| C | Cone and Seed Insects | N | Non-Biological Injuries | U | Damage Unknown |
| D | Defoliators | P | Cone and Seedling Fungal Pathogens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

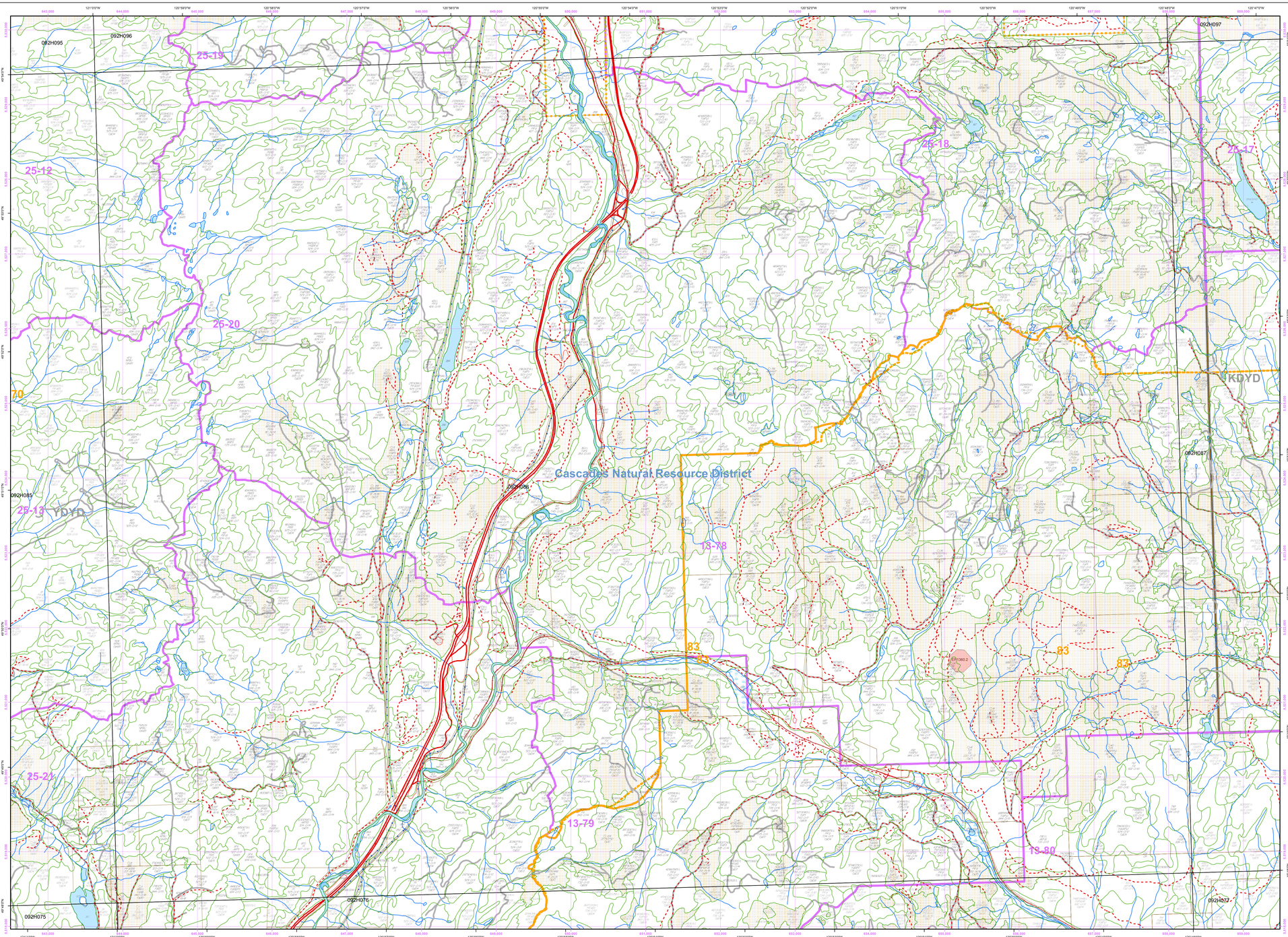
**Example Opening History Details**

Detailed Silviculture information is available on the BCGW utilizing either ArIF or ArcMap. The MapView example is of thermal RESULTS data.

The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Click on the "Layers" tab, the "Legend" tab then click on "Display Silviculture Map" to turn or display indicies for:

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






Overflow Labels