BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093J069

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 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
- Sviculture Opening or Vegetation
- Permanent Sample Plot (OTS)
- Research Installations

TRIM. Base Features:
- 4x 4ull Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- AirFarms
- Other Area
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Air-Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- INV. 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 (> 1,000,000 ha - 18 % hatch)
- Municipal boundary (> 1,000,000 ha) - Hvi 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. VRIMS Polygon Number - multi-layer stand indicator (L)
3. Species Composition
ex: the most important layer is described as Fd (Douglir Fir) and Hw (Western Hemlock).
4. Age, Height, Crown Closure Class Code - separator Site Index / estimated SI
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. Vegetated Density Code (+ indicates multi-layer Descriptor)
ex: a hack 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

OOOO - opening number valid for BCGS mapsheet OOOX - 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 Codes List" version 4.5 dataset January 2009.

NATIVE CONIFERS
- Ba BALSAM
- Cw Western Red Cedar
- Y CYPRESS
- Ye Nootka Cypress
- F DOUGLAS FIR
- Fd Douglas Fir
- Fdc Coastal Douglas Fir
- Fdi Interior Douglas Fir
- B FIR (Balsam)
- Bg Grand Fir
- Bg Grand Fir
- Bl Subalpine Fir (alpine)
- H HEMLOCK
- Hm Mountain Hemlock
- Hw Western Hemlock
- Hwxh Cross Western Hemlock hybrid
- J JUNIPER
- Jf Rocky Mtn. Juniper
- Js Scopulus Juniper
- L LARCH
- La Alpine Larch
- Lw Tamarack
- Lt Western Larch
- P PINE
- Pa Alpine Pine
- Pl Lodgepole Pine
- Pli Lodgepole Pine (Interior)
- Plc Lodgepole x Jack Pine hybrid
- Pj Ponderosa Pine (yellow)
- Pp Ponderosa Pine
- Pw Western White Pine
- Pw Whitebark Pine
- Pxj Pine Hybrid
- Sb Black Spruce
- Se Engelmann Spruce
- Sw Western Spruce
- Sw White Spruce
- Sx Spruce hybrid
- Sxb Black x White
- Sxl Sitka x White
- Sxl Sitka x unknown hybrid
- Sxw Hybrid
- Tw Western Yew

NATIVE HARDWOODS
- Ac Black Cottonwood
- Ad Red Alder
- U APPLE
- Ua Pacific Crab Apple
- Act ASPEN, COTTONWOOD or POPLAR
- Act Aspen
- Ab Balsam Poplar
- Ac Black Cottonwood
- Ax Hybrid Poplars
- At Trembling Aspen
- R ARBUTUS
- Ep BIRCH
- Ew BIRCH
- Ew Alaska Paper Birch
- Ew Kenai x Paper Birch hybrid
- Ep Paper Birch (white)
- Ew Water Birch
- Y Yellow Birch
- K Catacina
- V CHERRY
- Vu Black Cherry
- Vs Choke Cherry
- Vp Pin Cherry
- Vt Bitter Cherry
- D DOGWOOD
- Dp Pacific Dogwood (western flowering)
- M MAPLE
- Mb Bigleaf Maple (broadleaf)
- Mv Vine Maple
- Q OAK
- Qg Garry Oak
- Qr Red Oak
- W WILLOW
- Wd Bebb's Willow
- Wp Pacific Willow
- Wpu Pacific Willow (Banks's)
- Wsf Fussy Willow (pipe-leaved)
- Wsp Scouler's Willow
- Wsl Sitka Willow (lea-leaved)

UNKNOWN - OTHER
- X UNKNOWN
- Xc unknown conifer
- Xh unknown hardwood
- Xt Tree (not alder, not willow, not fir)
- Zc other conifer
- Zh other hardwood

EXOTICS
- AX EXOTICS
- Ax Alder
- ASPEN, COTTONWOOD or POPLAR
- Ast Southern Cottonwood
- Ab Balsam
- Ea European Birch
- Ep Silver Birch (weeping)
- Ew Water Birch
- CHERRY
- Vi Sweet Cherry
- CYPRESS
- Cl Lawson's Cypress
- FIR (Balsam)
- Bp Balsam Fir
- Bn Noble Fir
- Bc *Grand x Noble Fir
- Bi *White Fir
- LARCH
- Lk *Dahurian Larch
- Ld Siberian Larch
- LARCH
- Lx Hybrid Larch
- Lyl *Subalpine Larch
- MAPLE
- Mp *Norway Maple
- Mt *Sycamore Maple
- OAK
- Qe *English Oak
- Qw *White Oak
- OTHER EXOTICS
- Ce *Incense Cedar
- Cs *Calif Sequoia
- Ch *Chinkapin Oak
- Ea European Mountain Ash
- Es Siberian Elm (laulhem)
- Ehe *English Hawthorn
- Go Oregon Ash
- Oh *White Ash
- Ot *Black Locust Hickory
- Tg Tree-of-Heaven
- Gk Japanese Walnut
- PINE
- Pn *Monterey Pine
- Pr *Red Pine
- Pr *Scots 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)
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 SI are shown to the nearest metre referenced at 50 years except Douglas Fir (Fd) which is referenced at 100 years breast height(4.3m). When an accurate SI cannot be obtained from age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees cannot present, e.g. Douglas Fir (Fd) on Dry Maritime (CDF) site, or when Douglas Fir decides it. Associated fields in the site tree are Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

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

NON-TREED SHRUB
- s SHRUB - shrub with average shrub height > or = to two metres.
- sl SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- h 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
- bry BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSSES - bryoid with mosses > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)
- ap AIRPORT
- be BEACH
- bl BLOWDOWN
- br BEDROCK
- bu BURNED AREA
- cl CLEARCUT
- ex EXPOSED SOILS
- gl GLACIER
- gp GRAVEL PIT
- la LAKE
- lo LANDING
- ls LANDING
- p POND or LAKE SEDIMENTS
- pl PLANTED LAND
- slide AVALANCHE
- mp MUDFLAT SEDIMENT
- mp RUBBLY MINE SPOILS
- o OTHER
- o OTHER
- ps SNOW COVER
- rb RIVER BED
- rb RIVER / STREAM
- rm RESERVOIR MARGIN
- rw RAILWAY SURFACE
- rd ROAD SURFACE
- rd ROAD SURFACE
- tailings TAILINGS
- u URBAN
- u URBAN

Note: Water categories (la, ls, rb, rl) not labelled over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F records)
- A ALPINE
- CFI CONIFER FOREST (Species
- CL CULTIVATED
- CL CLAY BANK
- CR CROP LAND
- GR GRAVEL PIT
- ICE ICEFIELD
- L LAKE
- MUD MUDFLAT
- NP NON PRODUCTIVE
- NPB NON PRODUCTIVE BRUSH
- NPBU NON PRODUCTIVE BURN
- NPF NON PRODUCTIVE FOREST (Species
- OR OPEN RANGE
- OR OPEN RANGE
- P HAYFIELD
- R ROCK
- S SWAMP
- SAND SAND
- SLT SILT
- U URBAN
- NC NON COMMERCIAL
- NCB NON COMMERCIAL BRUSH
- NP NON PRODUCTIVE
- NSR NOT SYSTEMATICALLY RESTOCKED
- NTA NO TYPING AVAILABLE

Line 6 - Disturbance History

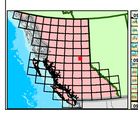
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

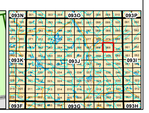
- A Animal Damage
- B Wildfire
- C Cone and Seed Insects
- D Deciduous Insects
- L Logging
- M Mite Damage
- N Non-Biologcal Injurey
- P Cone and Seedling Fungal Pathogens
- R Site Rehabilatation
- T Treatment Injuries
- U Damage Unknown
- V Problem Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView 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. 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





Overflow Labels