Vegetation Map
092JO13

BRITISH COLUMBIA
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 - 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 portrayed may not be complete and up to date Cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only. Subject to licensing (dated June 2014).

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Sructure Opening in Vegetation
- Permanent Sample Plot (CVS)
- Research Installations

TRIM_Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airframes
- Other Area
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolnp/Barriers - ESM
- Rivers/canals - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- Bec 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 (if > 2,000,000 ha - 15 % hatch)
- Municipal boundary (if > 2,000,000 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 Polygon Number and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
ex. the most important layer is described as Fd (Douglis Fir) and Hw (Western Hemlock).
4 Age, Height, Site Index Class Code - separator - Site Index / estimated SI
ex. stand is age class 2 (21-40 yrs), height class 1 (0.1-10 mtr), crown closure class 1 (6-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Description)
ex. a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
6 Inventory History Source - ex. Logged in 1978

Line 1 - History Record Opening Number

0 - opening number valid for BCGS mapsheet
0XXX - 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 - SC 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 4.0 dated January 2009.

NATIVE CONIFERS
- C CEDAR
- Cw Western Red Cedar
- Y CYPRESS
- Yc Yellow Cedar
- F DOUGLAS FIR
- Fd Coastal Fir
- Fdc Coastal Douglas Fir
- Fdi Interior Douglas Fir
- G GRAND FIR
- 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
- Jsc Scopulorum Juniper
- L LARCH
- La Alpine Larch
- Lt Tamarack
- Lw Western Larch
- P PINE
- Pa Whitebark Pine
- Pl Lodgepole Pine
- Pli Lodgepole x Jack Pine (interior)
- Plx Lodgepole x Jack Pine hybrid
- Pf Limber Pine
- Pfa Shore Pine (coastal)
- Pli Lodgepole x Jack Pine
- Pw Western White Pine
- S SPRUCE
- Sa Alpine Spruce
- Se Engelmann Spruce
- Ss Sitka Spruce
- Sw White Spruce
- Sxs Spruce hybrid
- Sxw White x Engelmann hybrid
- Sxl Sitka x White
- Sxs Sitka x unknown hybrid
- T YEW
- Tw Western Yew

NATIVE HARDWOODS
- D ALDER
- Dr Red Alder
- E ARBUTUS
- Eb Broadleaf
- Ep Pacific
- Act Black Cottonwood
- At Trembling Aspen
- Ax Trembling Aspen
- K ARBUTUS
- Kc Pacific
- Ke Alaska-Paper Birch
- Kk Alaska-Paper Birch hybrid
- Kp Paper Birch (white)
- Kw Water Birch
- Kx Birch hybrid
- V Cottonwood
- Vb Black Cottonwood
- Vb Sitka Cherry
- Vp Black Cottonwood
- Vt Trembling Aspen
- Z DOGWOOD
- Zc Pacific Dogwood (western flowering)
- M MAPLE
- Mb Bigleaf Maple (broadleaf)
- Mv Vine Maple
- O OAK
- Or Garry Oak
- Q Oregon Oak
- W WILLOW
- Wb Pacific Willow
- Wet Peachleaf Willow (Bantley's)
- Wp Pacific Willow (Barrett-Hamilton)
- Wr Scouler's Willow
- Wx Willow hybrid (risk-forked)

UNKNOWN/MISC. OTHER
- X unknown
- Xc unknown conifer
- Xh unknown hardwood
- Z OTHER (free hat on list)
- Zc other conifer
- Zh other hardwood

EXOTICS
- APPLE
- Ua Apple
- ASPEN, COTTONWOOD or POPLAR
- Au Southern Cottonwood
- BIRCH
- Ep European Birch
- Eu Common (Silver)
- Ey Yellow Birch
- CHERRY
- Cs Sweet Cherry
- CYPRESS
- Lc Monterey Cedar
- Ylo (Nootka)
- Yo Nootka Cypress
- Yt Yellow Cedar
- FIR
- Bp European Silver Fir
- Bs Balsam Fir
- Bv Veitch Fir
- LARCH
- Lk Siberian Larch
- Lp European Larch
- MAPLE
- Mb Norway Maple
- Mr Sycamore Maple
- OAK
- Qa English Oak
- Qw Nindo Oak
- PINE
- Pc Corsican Pine
- Pn Austrian Pine
- Pp Ponderosa Pine
- Pr Red Pine
- Ps 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 - 48.4
6	48.5 - 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 Breast Height Age. SI is based on the age and height of the dominant and co-dominant trees sampled in the stand. Site index estimates are inventory type (Vmoa and SI Estimated source code).

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees were present, e.g. young stands (<50yrs). It is denoted by a slash which always precedes the estimated SI value. Estimates are inventory Type Vmoa and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I records)
- HF HERBS FORB - shrub with average shrub height < m + to 4m metres
- HG HERBS GRASS - shrub with average shrub height > 4m metres
- SB SHRUB LOW
- SH SHRUB HIGH

NON-TREED HERBS
- hb HERBOID - bryoid with no distinction between mosses and lichens by cover
- hm HERBOID MOSS - bryoid with mosses, hornworts, and liverworts > 50% of the bryoid cover.
- hl HERBOID LICHEN - bryoid with lichens > 50% of the bryoid cover.
- hf HERBS - FORBS - herb with forbs > 50% of the herb cover.
- hg HERBS - GRASS - herb with graminoids >50% of the herb cover.

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

NON VEGETATED CATEGORIES (for V and I records)
- aa AIRPORT
- ba BEACH
- bm BOULDERFIELD
- bz BIOMASS
- bu BURNED AREA
- cl CLIFF
- cn CRYPTOSOLS
- cs CRUSTOSOLS
- dd DRAINED LAKE
- ds DRAINED SEDIMENT
- ds LAKE
- fl FLOOD
- fo FORD or LAKE SEDIMENTS
- gl GLACIER
- gv GLACIAL VOLCANIC
- ha HYDROPHYTIC HERBS
- ic ICE
- ld LAKE BED
- lg LANDING
- lk LAKE
- mi MUCKPLAT SEDIMENT
- mo RUBBLY MINE SPOILS
- mz MUD
- oa OPEN WATER
- ot OTHER
- pa SNOW COVER
- pe PERENNIAL ICE
- pi PIT
- rb ROCK BLUFF
- rc ROCK
- rd ROCK RUBBLE
- rg RIVER
- rl RIVER / STREAM
- rr RESERVOIR/MARSH
- rs RAILWAY SURFACE
- rz ROCK OUTCROP
- ro ROAD SURFACE
- ta TALUS
- tz TAILINGS
- ur URBAN

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I records)
- A ALPINE
- AF ALPINE FOREST (Species Composition)
- CL CLAY BANK
- G GRAVEL BAR
- GP GRAVEL PIT
- ICE ICEFIELD
- MUD MUDFLAT
- NP NON-PRODUCTIVE
- NPBR NON PRODUCTIVE BRUSH
- NPCL NON PRODUCTIVE CLEARING
- NPF NON PRODUCTIVE FOREST (Species Composition)
- NTA NO TYPING AVAILABLE
- R ROCK
- S SNOW
- SAND SAND
- TIDE TIDAL FLAT
- U URBAN
- NC NON COMMERCIAL
- NCBR NON COMMERCIAL BRUSH
- NP NON PRODUCTIVE
- NPSTK NON PRODUCTIVE STOCKED
- NTA NO TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance codes are coded 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
- B Wildfire
- C Cone and Seed Insects
- D Disease
- I Insects
- L Logging
- M Mine Damage
- N Non-Biological Injuries
- P Cone and Seedling Fungal Pathogens
- 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 in ArcMap. The MapView example is of thinned RESULTS data.

The Forest Cover Reports 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
- WELL-SPACED TREE ENTRY