Vegetation Map
092P022

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 / Tantalis

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to display specific information and is one interpretation from available digital information. Some features displayed may not be complete and up to date (cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only. (Layers) revisions June 2014).

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Structure Opening in Vegetation
- Permanent Sample Plot (2015)
- Research Installations

TRIM, Base Features:
- 4x4/All Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofile/Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

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 (1:1,000,001 to 1:5 hatch)
- Municipal boundary (1:1,000,000 hatch - 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 (Douglis Fir) and Hw (Western Hemlock)
4 Age, Height, Crown Closure Class Code - separator Site Index / estimated SI
5 Vegetated Non-Tree Code - separator Site Index / estimated SI - then Green Volume class 1 (5-15%), SI 20m
6 Vegetated Density Class (or Non-Productive Descriptor)
ex. a forb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
7 Disturbance History & year - ex. Logged in 1979

Line 1 - History Record Coping Number
- opening number valid for BCGS mapsheet
- zzzzz - 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 (as separate descriptor, if each layer is available in the data base, i.e. L2)

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
- Ce Yellow Cedar
- F DOUGLAS FIR
- Fd Coastal Douglas Fir
- Fdc Coastal Douglas Fir
- Fdi Interior Douglas Fir
- Fdx Douglas Fir
- Fg Grandfir
- Hm Mountain Hemlock
- Hw Western Hemlock
- Hwk Coastal x Western Hemlock hybrid
- J JUNIPER
- Jr Rocky Mtn. Juniper
- L LARCH
- Lw Western Larch
- Lt Tamarack
- Lwt Western Larch
- P PINE
- Pj Jack Pine
- Pl Lodgepole Pine
- Plc Lodgepole Pine (coastal)
- Pli Lodgepole Pine (interior)
- Plg Lodgepole x (ieb Pine hybrid
- Pli Lodgepole Pine (interior)
- Pw Shore Pine (coastal)
- Pw Western White Pine
- Pyc Ponderosa Pine
- S SPRUCE
- Sb Black Spruce
- Se Engelmann Spruce
- Sw White Spruce
- Sx Spruce hybrid
- Sxb Spruce x Black Spr
- Sxl Sitka x White
- Sxs Sitka x unknown hybrid
- Yc Cypress
- Yw Western Yew

NATIVE HARDWOODS
- D Red Alder
- Dr Alder
- E Trembling Aspen
- A ASPEN, COTTONWOOD or POPLAR
- Ac Black Cottonwood
- Act Balsam Poplar
- Ad Black Cottonwood
- Ae Trembling Aspen
- At Trembling Aspen
- Ax Aspen hybrid
- Pa ARBUTUS
- Ep Paper Birch
- Epa Alaska Paper Birch
- Epl Alaska x Paper Birch hybrid
- Ew Water Birch (Alaska)
- Ew Water Birch
- K CASCARA
- Kc CASCARA
- Q GARRY OAK
- Qg GARRY OAK
- Y Choke Cherry
- Yp Pacific Crabapple
- Z DOGWOOD
- Zp Pacific Dogwood (western flowering)
- M MAPLE
- Mb Bigleaf Maple (broadleaf)
- Mr Vine Maple
- N ASH
- Nl Garry Ash
- R ALDER
- Rb Bebb's Willow
- Rc Black Cottonwood
- Rp Peachleaf Willow (Bonnyly's)
- Rw Pussy Willow (gray-leaved)
- Rx Willow hybrid
- Sw Sitka Willow (saw-leaved)

UNKNOWN - OTHER
- Ax unknown aspen
- Ay unknown cottonwood
- Ax unknown hardwood
- Xh other hardwood (not listed on list)
- Zh other hardwood

EXOTICS
- AC Acacia
- AT ASPEN, COTTONWOOD or POPLAR
- Ac Northern Cottonwood
- BIRCH
- Bc European Birch
- Bp Silver Birch (exotic)
- Bw Yellow Birch
- Bw Yellow Birch
- Cl Desert Cherry
- CW CEDAR
- Cwi Port Orford Cedar
- Cwi Western Red Cedar
- Fa Subalpi Fir
- Bp Noble Fir
- Fb Balsam Fir
- Fc Grand Fir
- LARCH
- Lk Japanese Larch
- Lp European Larch
- MAPLE
- Mo Box Elder
- Mp Norway Maple
- Mr Sycamore Maple
- OAK
- Or Kingbird Oak
- Ow White Oak
- OTHER EXOTICS
- Ob Black Walnut
- Oc Horn Chestnut
- Oe European Beech
- Ow European Mountain Ash
- Ow Western Mountain Ash
- Oh Common Pear
- Op Oregon Ash
- Ot Tree of Heaven
- Ow Wingdrama Hickory
- Oy Tree-of-Heaven
- Ow Western Hemlock
- PINE
- Pn Monterey Pine
- Pr Red Pine
- Pw 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)
0	0 - 5
1	6 - 10
2	11 - 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 curves for the species listed in the leading species. When an accurate SI cannot be obtained from age and height, estimated SI is shown (site), or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees errored (shown) e.g. Fd(site) 20 Hw(site) 18 Cw(site) 22. Site Index Adjustment Procedure provides 2 Associated fields in the data base 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
- d 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 - GRAMINOID - herb with graminoids > 50% of the herb cover.

NON-TREED MOSS
- m MOSS - bryoid with no distinction between mosses and lichens by cover.
- mm MOSS - MOSS - bryoid with mosses, liverworts, and hornworts > 50% of the bryoid cover.
- ml MOSS - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- e Exposed Land
- r Rock or Talus
- w Snow / Ice

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

bd	BEACH	ls	LAKE
bm	BOULDERFIELD	lt	LAKE SILT
bi	BIOGENOUS	m	LANDING
bu	BURNED AREA	w	POND or LAKE SEDIMENTS
ds	DUNE SAND	r	ROCK or TALUS
ds	EXPOSED SOILS		WORKINGS
gc	GRAVEL PIT	mp	MUD/PEAT SEDIMENT
gp	RUBBLY MINE SPOILS	mr	RAILWAY SURFACE
gr	GRAVEL	mr	RESERVOIR MARGIN
gs	SAND	mr	ROAD SURFACE
gt	SNOW COVER	s	TALUS
gt	TAILINGS	w	WATERCOURSE
gt	WASTE STREAM	w	WORKINGS

NOTE: Polar categories (bi, ge, ls, t) not labelled over 50 percent coverage.

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

AF	ALPINE FOREST - Species	NPBR	NON-PRODUCTIVE BRUSH
CL	CLAY BELT	NPBS	NON-PRODUCTIVE BROKEN
CL	CLAY BANK	NPFS	NON-PRODUCTIVE FOREST - Species
G	GRASS, BAR	NTA	NO TYPING AVAILABLE
KE	KRUMMHOLZ	OR	OPEN RANGE
LE	LEAFIELD	P	PASTURE
M	MEADOW	R	ROCK
MT	MOUNTAIN	S	SWAMP

TIDE	TIDAL FLAT
UR	URBAN
NC	NON COMMERCIAL
NF	NON FORESTED BRUSH
NP	NON PRODUCTIVE
NWS	NOT SUFFICIENTLY RESTOCKED
W	WATER (Saltwater)

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

A	Animal Damage	L	Logging
B	Wildfire	M	Mile Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone 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 as a separate WHSE_FOREST_VEGETATION layer. The MapView example is of thinned 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
- SILVICULTURE BLOCK
- SILVICULTURE FOREST COVER
- WILDFIRE TREE PATCH



