Vegetation Map
092L061

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 support the analytical functions of the Ministry of Forests, Lands, and Natural Resource Operations. The information contained in this map is derived from 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 (VRI)
- Research Installations

TRIM, Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Helip
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Point/Non-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 (< 1,000,000 ha - 15 % hatch)
- Municipal boundary (> 1,000,000 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 Silvsculture symbol and Opening Number
2 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 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 Species Composition - non-dominant species and/or layers
ex: a hwb 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

opening number used for BCGS mapsheet — 2009 - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
A 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 labled 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

C	CEDAR
Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sitkaka Juniper
L	LARCH
La	Subalpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (contorta)
Plq	Lodgepole x Jack Pine hybrid
Pm	Mountain Pine (Ponderosa)
Pmi	Mono Pine (Island)
Pw	Western White Pine
Py	Yellow Pine
S	SPRUCE
Sa	Alaska Spruce
Se	Engelmann Spruce
Sit	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxb	Spruce x Balsam
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Ss	Sitka Spruce
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	APPLE
Ep	Pacific Crab Apple
Ew	Black COTTONWOOD or POPLAR
Ep	Poplar
Ebb	Balsam Poplar
Eh	Hybrid Cottonwood
Eph	Hybrid Poplar
At	Trembling Aspen
Ew	Willow
K	Arbutus
Kw	Western Paper Birch
Kwl	Alaska x Paper Birch hybrid
Kc	Water Birch (scientific)
Kw	Water Birch
Ka	Alder (scientific)
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vs	Sweet Cherry
Vp	Pacific Dogwood (western flowering)
W	MAPLE
Wb	Broad-leaf Maple (broadleaf)
Wm	Vine Maple
G	OAK
Gb	Garry Oak
Gr	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bebb's)
Wd	Pussy Willow (gray-haired)
Wr	Red Willow
Wt	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	unknown conifer
Xh	unknown hardwood
Xl	unknown (leaf on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ya	APPLE
Ye	ASPEN
Yep	ASPEN, SCOTTSWOOD or POPLAR
Ap	Southern Cottonwood
Ay	Poplar
Ew	European Birch
Ey	Silver Birch (swamp)
Ay	Trembling Aspen
Yd	CHERRY
Yd	Sweet Cherry
Yu	ELM
Yw	Wych Elm/ Camp
Ye	Fifth (Siberian)
Yu	Elm (scientific)
Ya	Ash
Yn	Norway Fir
Bl	White Fir
Lk	LARCH
Lj	European Larch
Lj	Siberian Larch
Mo	MAPLE
Mn	Box Elder
Mr	Norway Maple
Mp	Sycamore Maple
Oc	OAK
Qk	English Oak
Qr	Red Oak
Y	OTHER EXOTICS
Qk	Yezoiae Cedar
Qk	Western Cedar
Qk	Cloud Retinosp
Qk	European Mountain Ash
Qk	Japanese Mountain Ash
Qr	Common Pear
Qg	Oregon Ash
Qg	Green Ash
Qr	Kingsville Hickory
Qj	Tree-of-Heaven
Qj	Japanese Walnut
Pp	Pear
Py	Weid Pine
Ps	Scots Pine
Sp	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 - 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. SI is based on the age and height of the dominant and co-dominant trees and is derived from the inventory 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. young stands (<50yrs) . It is denoted by a slash which always precedes the estimated site index. Estimated SI is from inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

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

- NP NON-PRODUCTIVE
- s SHRUB TALL - shrub with average shrub height > or = to two metres.
- a 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 graminoids > 50% of the herb cover.

NON TREED BRYOID

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

NON-VEGETATED CATEGORIES (for V and I records)

- ai AIRPORT
- b BARREN
- bl BLOCKFIELD
- br BIOGROUT
- c CULTIVATED
- cu CUTBANK
- cl CLAY BANK
- d DUNE SAND
- gp GRAVEL PIT
- ice ICEFIELD
- ig ICE GLACIER
- MUD MUD FLAT
- gr GRAVEL PIT
- L LANDING
- ls LANDING SEDIMENTS
- m MINE
- OPEN PIT MINE
- r ROCK
- s SAND
- sl SALT FLAT
- SNOW SNOW
- t TALUS
- w WATER
- wa WATER SEDIMENTS
- wl WETLAND
- ro RIVER/OCEAN MARGIN
- rs RIVER/OCEAN SEDIMENTS
- rw RIVER SEDIMENTS
- sw SEDIMENT/WATER INTERFACE
- tl TALUS
- wl WILDING
- RESERVOIR
- RESERVOIR MARGIN
- RESERVOIR SEDIMENTS

Note: Water categories (lk, ri, re, rc) not labelled over 60 percent coverage.

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

- A ALPINE
- AF ALPINE FOREST-Species
- CL CLAY BANK
- DU DUNE SAND
- GR GRAVEL PIT
- ICE ICEFIELD
- MUD MUD FLAT
- NP NON-PRODUCTIVE
- NPBR NON-PRODUCTIVE BRUSH
- NPBU NON-PRODUCTIVE BURN
- NPF NON-PRODUCTIVE FOREST -Species
- NPL NON-PRODUCTIVE-NOT AVAILABLE
- OR OPEN RANGE
- P HAYFIELD
- R ROCK
- S SWAMP
- SAND SAND
- SALT SALT FLAT
- URBAN URBAN
- NC NON COMMERCIAL
- NCBR NON COMMERCIAL BRUSH
- NP NON PRODUCTIVE
- NPBR NON PRODUCTIVE BRUSH
- NTA NOT TYPED AVAILABLE

Line 6 - Disturbance History

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

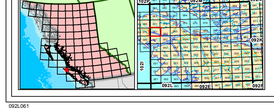
- A Animal Damage
- C Cone and Seed Insects
- D Diseases
- Insects
- L Logging
- N Non-Biological Injuries
- P Cone and Seeding Fungal Pathogens
- R Site Rehabilitation
- U Damage Unknown
- V Problem Vegetation

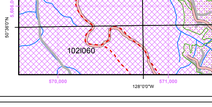
Example Opening History Details

Detailed Silviculture information is available on the BCGW Silviculture Treatment Data. 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
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels