Vegetation Map
092H024

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 portrayed may not be complete and up to date Cadastral, administrative boundaries and the Ownership colour theme are compiled from various Geographic Information sources (GIS).

Data Extracted from Tantalis on January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture Opening + Vegetation
- Permanent Sample Plot (VITE)
- Research Installations

TRIM_Base Features:
- 4x Built Roads
- Forest Service Road Level
- Paved Roads
- Rough Roads
- Trails/Lanes
- Railways
- Airfields
- Other lines
- Powerlines
- Pipelines
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Aux/Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- DRA/MRS 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 - 10s % fabric)
- Municipal boundary (< 1,000,000 ha - 1ss fabric)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- BCGS Map/sheet 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
ex the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock)
4 Age, Height, Crown Closure Class Code - separator Site Index / estimated SI
5 Inventory Type Group (ITG) - separator Stocking Class (crown closure class 1 (6-15%), D 20m
6 Vegetated Density Class (or Non-Forest/Productive Description)
ex a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
7 Disturbance History (up to 4) - suggest in VITE

Line 1 - History Record Opening Number

opening number valid for BCGS mapsheet — ZOOP - 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 Code List" version 4.6 dated January 2009.

NATIVE CONIFERS

CODE	
C	Western Red Cedar
CYPRESS	
Y	Yellow Cypress
CY	CYCLICAL FOR
Fdc	Douglas Fir
Fdi	Douglas Fir/Douglas Fir
Fd	Douglas Fir
Ba	Amabilis Fir
Bl	Subalpine Fir
Bg	Grandfir (Fir Variable)
Bb	Balsam Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwi	Western Hemlock Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Jsc	Scopulor Juniper
LARCH	
Lt	Alpine Larch
La	Larch spp.
Lw	Western Larch
PINE	
Pa	Whitebark Pine
Pf	Limber Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Pl	Lodgepole Pine (unkown)
Pw	Stone Pine (sweet)
Pyc	Ponderosa Pine
Pj	Jackpine
Ss	Black Spruce
Sw	White Spruce
Se	Engelmann Spruce
Sx	Spruce hybrid
Sxs	Spruce Sitka/White
Sxw	Sitka x white hybrid
Sxx	Sitka x unknown hybrid
Sb	Spruce
Yc	Western Yew

NATIVE HARDWOODS

CODE	
D	Deciduous
AP	APPLE
Ag	Saskatoon/Juneberry
AT	ASPEN CUTTONWOOD or POPLAR
Ac	Poplar
At	Aspen/Cottonwood
Ep	Black Cottonwood
Ew	Trembling Aspen
Ax	Aspen hybrid
BIRCH	
Bp	Paper Birch
Bpk	Paper Birch/Kenai hybrid
Bpu	Paper Birch/Alaska Paper Br
Bw	Water Birch
Bg	Gray Birch
CHERRY	
Cb	Bitter Cherry
Cw	Pin Cherry
Cch	Choke Cherry
DOGWOOD	
Dp	Pacific Dogwood (western flowering)
MAPLE	
Mb	Douglas Maple (broadleaf)
Mv	Vine Maple
OAK	
Gs	Garry Oak
WILLOW	
Wp	Pacific Willow
Wr	Pacific Willow
Wx	Willow (Pacific Willow/Sitka)
Wd	Rocky Willow (prior Newett)
Wy	Scouler Willow
Wsi	Sitka Willow (late Newett)

UNKNOWN - OTHER

H	Unknown Hardwood
Un	Unknown Vegetation
Uh	Unknown Hardwood
Ucw	Unknown Conifer/Hard wd
Uh	other hardwood

EXOTICS

CODE	
AP	APPLE
AT	ASPEN, CUTTONWOOD or POPLAR
Ae	Aspen/Cottonwood
BIRCH	
Ay	European Birch
Ayp	European Birch/Paper
Ayu	Yellow Birch
CHERRY	
Ys	Sweet Cherry
Yu	Cherry
Yv	Pin/ Choke Cherry
Ym	Plum
Ypf	Pin Cherry
Ypr	Prune
Yt	Tibetan Cherry
Yw	White Fly
LARCH	
Lyl	Dahurian Larch
Lk	Siberian Larch
MAPLE	
Mn	Norway Maple
Mr	Norway Maple
Mk	Ryukyu/ Ave
Mp	Purple Leaf
OTHER EXOTICS	
Ob	Black Locust
Oc	Chestnut
Ow	Cutleaf Redbeud
Oe	European Mountain Ash
Ow	Siberian Elm (deciduous)
Oa	Horse Chestnut
Og	Oregon Ash
Ot	Tree of Heaven
Oz	Zelkova/Japanese Hickory
Q	Tribe of Anderson
Ou	Unknown Exotic
PINE	
Pp	Ponderosa Pine
Pn	Red Pine
Pm	Mugo Pine
SPRUCE	
Sn	Norway Spruce

Line 4

4a. AGE CLASS

CODE	AGE CLASS (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	HEIGHT (metres)
1	0.0 - 10.4
2	10.5 - 19.4
3	19.5 - 26.4
4	26.5 - 37.4
5	37.5 - 48.4
6	48.5 - 59.4
7	59.5 - 69.4
8	69.5 +

4c. CROWN CLOSURE CLASS

CODE	CLOSURE (percentage)
1	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

SI (in metres) is the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the tallest trees in the stand. Site index curves are based on total age and height, calculated at a certain utility or bureau for SI.

4e. ESTIMATED SITE INDEX

SI is estimated when volume SI curves cannot present. e.g. young stands (<30yrs). It is denoted by a slash which always follows the species code (Fdi/ 32). Site index curves are based on Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for 6 and / except+)

NON-TREED SHRUB

S	SHRUB - GRAMINOIDS
L	SHRUB LOW

shrub with average shrub height > or = to two metres.
shrub with average shrub height < two metres.

NON-TREED HERB

H	HERB
HG	HERB - FORBS
Hg	HERB - GRAMINOIDS

- herb with no distinction between forbs and graminoids.
- herb with forbs > 50% of the herb cover.
- herb with graminoids > 50% of the herb cover.

SPECIAL

B	BRYOID
BF	BRYOID - FORBS
BG	BRYOID - GRASSES

- bryoid with no distinction between mosses and lichens by cover.
- bryoid with mosses, monocots, and liverwort > 50% of the bryoid cover.
- bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED CATEGORIES (for 6 and / except+)

AF	AIRPORT	GP	GRAVEL PIT	mu	MUSKY,AT SEGMENT
AP	ALPINE	I	ICE	mv	MUSKY,AT SEGMENT WITH SPOILS
BU	BUILDING	L	LAKE/RES	O	OCEAN
BR	BUSH/CA	L	LANDING	OT	OTHER
CA	CAMP/CABIN/CA	LS	LANDING SEGMENTS	OV	OVERFLOW/OVER
CL	CLEARING	LP	OPEN PIT MINE	P	PEAT/MUSKEG
CS	CUTBLOCK SITE S	M	MARSH	R	ROCK/GRAVEL
D	DUCKER				

Note: Water categories (lk, ls, rs, O) not labelled over 90 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for 7 maybe)

A	ALPINE FOREST Species	NPB	NON-PRODUCTIVE BRUSH	SAND	SAND
C	CLIFF	NPC	NON-PRODUCTIVE CLOSED	SLIP	SLIP, MUD, DEBRIS, AT
CL	CUT LIMIT	NPO	NON-PRODUCTIVE OPEN	TA	TERRAIN
G	GRASS, BAR	NTA	NO TYPING AVAILABLE		
GC	GRASS, CLOSED	R	ROCK/RUBBLE	NC	NON COMMERCIAL
LV	LEVELS	T	WATER	NCB	NON COMMERCIAL BRUSH
MUD	MUD FLAT	U	SWAMP	NP	NON PRODUCTIVE
				NPF	NON PRODUCTIVE FORB/HERB
				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	L	Logging
C	Climatic	N	Non-Forest
D	Cone and Seed Insects	O	Other Damage Injuries
D	Diseases	P	Cone and Seeding Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
S	Treatment Injuries		
T	Protection		
V	Protected Vegetation		

Example Opening History Details

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

The Ministry of Forests, Mines and Lands web application "Results" is also available for viewing silviculture information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

OPENING NUMBER
OPENING LABEL
OPENING - PLANTING ACTIVITY
OPENING - TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH

Overflow Labels