Vegetation Map
093L015

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 the vegetation resource features of the area. Some of the information displayed on the maps (especially polygons) 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
- Structure Opening in Vegetation
- Permanent Sample Plot (2015)
- Research Installations

TRIM. Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airstrip/Helipads
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeat-Barriers - ESRI
- Watercourses - ESRI
- Waterbodies - ESRI
- Wetlands - ESRI
- Ocean - ESRI

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- NV. 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 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 Class, Height Class, Crown Closure Class and Site Index
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 Class (or Non-Forest/Productive Descriptor)
ex: a herb 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 valid for BCGS mapsheet
DOR - 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 Compotion: 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

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	BALSAM
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
Js	Scopulus Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Alpine Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine x Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Shore Pine (coastal)
Pxj	Jack Pine x Pine
Pxw	Whitebark Pine
S	SPRUCE
Sa	Alpine Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxe	Engelmann x White
Sxs	Sitka x White
Sxw	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Du	Sitka Alder
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Ac	Balsam Poplar
Act	Black Cottonwood
Ae	Black Poplar
Ax	Trembling Aspen
E	ARBUTUS
Em	Pacific
B	BIRCH
Ep	Alaska Paper Birch
Ew	Alaska Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	Cascara
V	CHERRY
Vm	Bitter Cherry
Vo	Choke Cherry
Vp	Pin Cherry
C	DOGWOOD
Cp	Pacific Dogwood (western flowering)
G	GARRY OAK
Qg	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wp	Pacific Willow
Wp	Peachleaf Willow (Barclay's)
Wr	Rocky Mtn. Willow (Sitka Valley)
Ws	Scouler's Willow
Wt	Sitka Willow (tea-leaved)
X	UNKNOWN
Xc	Unknown Conifer
Xh	unknown hardwood
Z	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ux	APPLE Apple
Act	BALSAM, COTTONWOOD or POPLAR *Southern Cottonwood
Ast	BIRCH *European Birch
Ex	Silver Birch (swamp)
Ey	*Yellow Birch
Vs	CHERRY Sweet Cherry
Ro	CYPRESS *Monterey Cedar
Lx	FIR (Subalpin) *Subalpin Fir
Bb	*Balsam Fir
Bc	*Grand Fir
Bp	*Shasta Red Fir
Bo	*White Fir
Lt	LARCH *Siberian Larch
Ld	*Siberian Larch
Mx	MAPLE Box Elder
Mr	*Norway Maple
Mp	*Sycamore Maple
QX	OAK
Qe	*English Oak
Qw	*White Oak
	OTHER EXOTICS
Ok	*Black Locust
Ob	*Giant Sequoia
Oc	*Coast Redwood
Oa	*Common Horse Ash
Ok	Siberian Elm (laucheni)
Of	Common Pear
Oh	*Tree of Heaven
Ow	*White Ash
Or	*Shagbarck Hickory
Ot	*Tamarisk
Oj	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Pw	*Western White
	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.
Example: 20 = 19.5 - 20.4 metres at 50 years. Always use leading leadzero. When an accurate SI cannot be determined from age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees arenot present, e.g. recently logged, burned, or non-forest. SI estimates are always provided in Ecosystem fields in the data base.ee Inventory Type Group and SI Estimated source code.

Line 5 Vegetation records

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

NON-TREED SHRUB
- sb SHRUB (ALL)
- sd SHRUB LOW - shrub with average shrub height < or = to two metres.
- 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 graminoids > 50% of the herb cover.

NON-TREED BRYOID
- by 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
- r ROCK
- t Rock / Rubble
- w Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
b	BARE	m	MINE	ms	MUDFLAT WINE SPOILS
bl	BLOCKFIELD	l	LAVA BED	oc	OCEAN
br	BEDROCK	h	LANDING	w	OTHER
bu	BUILT UP AREA	s	POND or LAKE SEDIMENTS	ow	OPEN WATER COVER
d	DUNE	os	OCEN RT WINE	re	RESERVOIR
es	EXPOSED SOILS		MORAINE	r	RIVER / STREAM
gl	GLACIER				

- rm RESERVOIR MARGIN
- rs RESERVOIR SPOILS
- rv RIVER SEDIMENTS
- rr ROAD SURFACE
- sl SLIDE
- tp TAILINGS
- u URBAN

Note: Water categories ow, oc, re, rv, rm labelled over 80 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
BR	BRUSH	NPBS	NON PRODUCTIVE SHRUB	U	URBAN
C	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
I	ICEFIELD	P	PARKLAND	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	PT	HAYFIELD	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUDFLAT	S	SWAMP	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

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

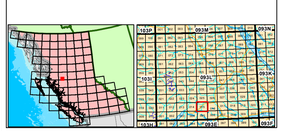
A	Animal Damage	L	Logging
B	Wildfire	O	Other Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
S	Silviculture		
T	Damage Unknown		
V	Problem Vegetation		

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
SCREEN - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



Overflow Labels