Vegetation Map
092O069

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 for reference purposes only. (Legend revisions June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (GY31)
- Research Installations

TRIM, Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Ferries
- Other lines
- Powerlines
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Aq/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

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 Silviculture symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 BC Tree Code List
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
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

OP - opening number valid for BCGS mapsheet OXR - 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 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 dataed January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Cy	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	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pyb	Ponderosa Pine (black)
Pw	Western White Pine
Pw	Whitebark Pine
Sb	SPRUCE
Se	Black Spruce
Sx	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxw	Hybrid Spruce
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
YEW	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Da	Sitka Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Ae	Balsam Poplar
Ad	Black Cottonwood
Ac	hybrid Poplars
At	Trembling Aspen
E	BIRCH
Ep	Alaska Paper Birch
Exp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ey	Yellow Birch
K	CASCARA
Kc	Cascara
Ku	Cliff Cascara
Vb	Bitter Cherry
Vv	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Gb	Garry Oak
Gg	Garry Oak
Q	OAK
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
HT	Sitka Willow (tree-leaved)
Wb	Pacific Willow
Wh	Peachleaf Willow (Bentley's)
Wr	Pussy Willow (gray-leaved)
Wy	Scouler's Willow
HT	Sitka Willow (tree-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ua	APPLE
Ax	ASPEN, COTTONWOOD or POPLAR
Aa	Southern Cottonwood
	BIRCH
Ej	European Birch
Ey	Silver Birch (swamp)
	Yellow Birch
	CHERRY
Vs	Sweet Cherry
	FIR (Silver)
	Pond Cirtinol Cedar
	FIR (Balsam)
Bn	Noble Fir
Bp	Noble Fir
Bm	Shasta Red Fir
Bv	Veitch Fir
	LARCH
Ld	Dahurian Larch
Ls	European Larch
	MAPLE
Mk	Box Elder
Mp	Norway Maple
Ms	Sycamore Maple
	OAK
Qa	English Oak
Qw	White Oak
	PINE (EXOTICS
Pa	Austrian Pine
Pc	Corsican Pine
Pn	Lacebark Pine
Pp	Monterey 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 - 46.4
6	46.5 - 58.4
7	58.5 - 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 leading species. Where a curve SI cannot be obtained 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. young stands (<30yrs). It is denoted by a slash which always precedes it. 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
- SP - shrub with average shrub height > or = to two metres.
- SH/LW/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 gaminoids > 50% of the herb cover.

NON-TREED BRYOID
- by - BRYOIDS - 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)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
ar	ROCK/RUBBLE	ic	ICE FIELD	mv	MUDFLAT WHOLE SPOILS
b	BLOCKFIELD	la	LAVA BED	oc	OCEAN
br	BEDROCK	lt	LANDING	of	OTHER
cb	CONGLOMERATE	ms	MINERAL LAKE SEDIMENTS	os	OTHER COVER
cl	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
ex	EXPOSED SOILS	mn	MORAINE	r	RIVER / STREAM
g	GLACIER				

NON-VEGETATED
- ar Exposed Land
- ro Rock / Rubble
- w Snow / Ice

Note: Water categories (lo, os, re, r) not labelled over 90 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	BURN / BURNT	NPBS	NON PRODUCTIVE BRUSH	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GL	GRASS/LAND	O	OPEN/GRASS	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	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 preceeded by symbol, followed by earliest date
First number of disturbance type designates category, refer to official code list for sub-category descriptions.

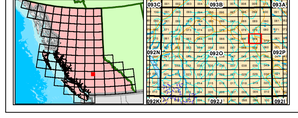
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

Example Opening History Details

Detailed Silviculture information is available on the BCGW 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
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
SILVICULTURE BLOCK
SILVICULTURE FORESTCOVER
WILDLIFE TREE PATCH



092O

092C	nw	ne	092B	nw	ne	092A	nw	ne											
	sw	se		sw	se		sw	se											
092L	nw	ne	092K	nw	ne	092J	nw	ne	092I	nw	ne	092H	nw	ne					
	sw	se		sw	se		sw	se		sw	se		sw	se					
092E	nw	ne	092F	nw	ne	092G	nw	ne	092P	nw	ne	092O	nw	ne	092N	nw	ne	092M	nw	ne
	sw	se		sw	se		sw	se		sw	se		sw	se		sw	se		sw	se
092L	nw	ne	092K	nw	ne	092J	nw	ne	092I	nw	ne	092H	nw	ne					
	sw	se		sw	se		sw	se		sw	se		sw	se					
092E	nw	ne	092F	nw	ne	092G	nw	ne	092P	nw	ne	092O	nw	ne	092N	nw	ne	092M	nw	ne
	sw	se		sw	se		sw	se		sw	se		sw	se		sw	se		sw	se
092D	nw	ne	092C	nw	ne	092B	nw	ne	092A	nw	ne									
	sw	se		sw	se		sw	se		sw	se									

Overflow Labels