092J067

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
092J067

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 or Vegetation
- Permanent Sample Plot (CVS)
- Research Installations

TRIM, Base Features:
- 4x Multi Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf ields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Ice/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- R/V 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
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

OXX - opening number valid for BCGS mapsheet ZXXX - 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 4.5 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Y	YEW
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
Hwm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Limber Pine
Pli	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plj	Lodgepole x Jack Pine hybrid
Pm	Mountain Hemlock
Pp	Shore Pine (coast)
Pw	Western White Pine
Py	Ponderosa Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sxe	Hybrid Spruce
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Y	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dl	Sitka Alder
Vp	Paper Birch
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Act	Black Cottonwood
Ac	Hybrid Poplar
At	Trembling Aspen
R	ARBUTUS
Mb	Pacific Madrone
E	BIRCH
Ea	Alaska Paper Birch
Ep	Alaska Paper Birch hybrid
Ew	Water Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vi	Fin Cherry
Vs	DOGWOOD
Vp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broadleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bantla'ii)
Ww	Pussy Willow (gray-leaved)
Wr	Red Willow
Ws	Sitka Willow (lance-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
Ap	Apple
Ax	*Southern Cottonwood
Ae	*Southern Cottonwood
E	BIRCH
Ej	*European Birch
Ey	Silver Birch (swamp)
Ey	*Yellow Birch
Ep	Paper Birch
Ev	Sweet Cherry
C	CYPRESS
Cy	*Nootka Cypress
Cw	*Western Red Cedar
F	FIR (Balsam)
Bp	*Balsam Fir
Bn	*Noble Fir
Bm	*Amabilis Fir
Bb	*White Fir
L	LARCH
Lk	*Japanese Larch
Lx	*Siberian Larch
M	MAPLE
Mr	Red Maple
Mt	*Norway Maple
Mp	*Sycamore Maple
Q	OAK
Qe	*English Oak
Qr	*Red Oak
Qw	*White Oak
OE	OTHER EXOTICS
Oa	*Arizona Cypress
Ob	*Grand Fir
Oc	*Incense Cedar
Ol	*Subalpine Larch
Oe	*Coast Redwood
Oe	European Mountain Ash
Oa	*Giant Sequoia (redwood)
Ot	Common Pear
Og	Oregon Ash
Ou	Russian Olive
Oh	*Shagbark Hickory
Oj	Tree-of-heaven
Ow	*Japanese Walnut (Heiki)
Pn	*Monterey Pine
Pp	Ponderosa Pine
Pa	*Sugar Pine
S	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
Site Index is the height of the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the leading species. When an accurate SI cannot be obtained from age and height, estimated SI is shown after an exclamation mark (!).

4e. ESTIMATED SITE INDEX
Estimated Site Index is used when no suitable leading species present, e.g. young stands (<30yrs). It is denoted by a slash which 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)

ws	SHRUB TALL - shrub with average shrub height > or = to two metres.
w	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 gyaminoids > 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, hornworts, and liverworts > 50% of the bryoid cover.
bl	BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED

d	Exposed Land
m	Rock / Rubble
n	Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mv	MUDFLAT SEDIMENT
ar	ROCK	gr	GRAVEL	mw	RESERVOIR MARGIN
br	BLOCKFIELD	l	LAKE BED	mz	SALTWATER SPOILS
br	BEDROCK	b	LANDING	oc	OCEAN
cb	CUTBANK/ESCARPMENT	s	LOOSE FINE SEDIMENTS	ol	OTHER
cb	CUTBANK	m	MORAINE	or	RESERVOIR
es	EXPOSED SOILS	mr	MORAINE	r	RIVER / STREAM
g	GLACIER				

Note: Water categories (lo, ou, or, r) not labeled over 50 percent coverage.

rm	RESERVOIR MARGIN				
rs	RIVER SEDIMENTS				
rz	RIVER SEDIMENTS				
u	ROAD SURFACE				
s	SAND				
t	TALUS				
ur	URBAN				

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

N	ALPINE - NON-FOREST (Alpine)	NP	NON PRODUCTIVE	SAND	SAND
C	CULTIVATED	NPBS	NON PRODUCTIVE BRUSH	TOAL	TOAL/FLAT
CL	CLAY BANK	NPBU	NON PRODUCTIVE BURN	U	URBAN
GR	GRAVEL BAR	NPF	NON PRODUCTIVE FOREST Species		
GP	GRAVEL PIT	NSL	NOT/TYPING AVAILABLE	NC	NON COMMERCIAL
ICE	ICEFIELD	OR	OPEN RANGE	NCBR	NON COMERCIAL BRUSH
L	LAKE/OCEAN	P	HAYFIELD	NP	NON PRODUCTIVE
MUD	MUDFLAT	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
		SW	SWAMP	NSL	NOT/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.

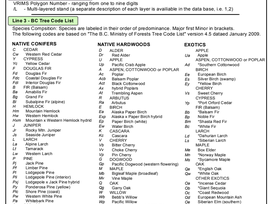
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

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 IMAPVIEW 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
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



Overflow Labels