082L067

Vegetation Map
082L067

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRMS / 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 on this map is not to be used for navigation. Some 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
- Sensitive Opening in Vegetation
- Permanent Sample Plot (SYS)
- Research Installations

TRIM_Base Features:
- 4x4 Built Road
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railroads
- Airf ields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeatures - 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 (1:1,000,000 to 1:10,000,000 - 1% or less)
- Municipal boundary (1:1,000,000 - 1% or less)
- 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:

CD 1
ESSFmw 2
Fd70 3
Pl30 3
Ac 4
Re 5
60 6

LINE DESCRIPTION
1. Structure symbol and Opening Number
2. Polygon Number and multi-layer stand indicator (L)
3. Species Composition
   e.x. the most important layer is described as Fd (Douglas Fir) and Pw (Western Hemlock) with Pl (Lodgepole Pine) and Sx (Hybrid Spruce) as the minor species.
   ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10 mt), crown closure class 1 (6-15%), S<20m
5. Vegetated Density Class (or Non-Forest Productive Descriptor)
6. Disturbance History (Harvest year, separation between forte and grammonds, shrubs less that 2m.
   e.x. Disturbance history 4 years old - logged in 1979

Line 1 - History Record Opening Number

CD1 - opening number valid for BCGS mapsheet. ZZ-01 - opening number has not been assigned

Line 2 - Polygon No. / Multilayer

VRMS 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 - MC Tree Code (Line 3)

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

E	EE/AM
Cw	Western Red Cedar
Y	Yellow Cedar
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Hw	Hemlock Fir
Ba	Amabalis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
Bp	Pacific Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
H or Hxm	Western Hemlock hemlock hybrid
J	JUNIPER
J	Rocky Mtn. Juniper
Jr	Juniper (unident.)
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
PINE	
Pa	Alpine Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole (inferior)
Plg	Lodgepole x Jack Pine hybrid
Pli	Lodgepole (interior)
Pla	Shore Pine (coast)
Pm	Mountain Pine
Pw	Whitebark Pine
S	SPRUCE
Sa	Alpine Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sxl	Spruce hybrid
Sxe	Engelmann x White
Sxs	Sitka x White
Sxw	Sitka x white hybrid
Y	YEW
Yp	Pacific Yew

NATIVE HARDWOODS

A	ALDER
Dr	Red Alder
Sa	Sitka Alder
D	D Alb Cot Aspn
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Ae	Aspen Hybrid
Act	Black Cottonwood
Ac	Balsam Poplar
Ax	Trembling Aspen
Ep	Paper Birch
Ew	Willow
B	BIRCH
Bp	Paper Birch
Bpr	Prairie Paper Birch
Bpk	Alaska x Paper Birch hybrid
Bw	Water Birch (Red)
Bwr	Water Birch
K	CASCARA
C	CHERRY
V	CHOKECHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vv	Pin Cherry
D	DOGWOOD
Dw	Dogwood (Pacific) (western flowering)
E	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gb	Garry Oak
W	WILLOW
Wa	Alaska Willow
Wb	Bebb's Willow
Wp	Peachleaf Willow (Barclay's)
Wr	Pacific Willow (Pacific Willow)
Wsi	Scouler's Willow (sitka)
Wt	Sitka Willow (tea leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xh	UNKNOWN HW
Xc	unknown conifer
Z	OTHER (tree not on list)
Zz	Other conifer
Zh	Other hardwood

EXOTICS

Ai	APPLE
Ad	ASPEN, COTTONWOOD or POPLAR
Ab	*Southern Cottonwood
Bi	BIRCH
Bs	*Silver Birch
Be	*Asian Birch (swamp)
Bj	*Yellow Birch
Cl	CHERRY
Cs	*Sweet Cherry
Ce	*European Cherry
Ci	*Pin Cherry Cerise
Ch	*Chokecherry
Ei	ELM
Ee	*Siberian Elm
Eu	*Scotch Elm
Hi	HAWTHORN
Hh	*Hthorn Fl.
Hy	*Hthorn Fl.
LARCH	
Lk	*European Larch
Ll	*Siberian Larch
MAPLE	
Mn	*Norway Maple
Mp	*Sycamore Maple
OAK	
Qg	*English Oak
Qr	*White Oak
Qp	*Pyramidal Oak
Qc	*Ukraine Cedar
Qs	*Giant Sequoia
Qw	*Garry Oak
Qm	*European Mountain Ash
Qa	*American Mountain Ash
OP	Common Pear
OT	Tree of Heaven
OW	*White Ash
Oh	*Shagbark Hickory
Ow	*Black Walnut
Oj	*Japanese Walnut
PINE	
Pn	*Austrian Pine
Pr	*Red Pine
Ps	*Scots Pine
Pv	*Pinaster
Pyr	*Mountain Pyrenean

Line 4

4a. AGE CLASS

CODE	YEARS (years)
1	1-20
2	21-40
3	41-80
4	81-80
5	121-120
6	101-120
7	121-140
8	141-160
9	161 +

4b. HEIGHT CLASS

CODE	METRES (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	CLOSURE (percentage)
1	0 - 5
2	6 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
0	86 - 100

4d SITE INDEX

All SI are known to the nearest metre referenced at 50 years breast height age. Site index is not to be used for any forest yield modeling activities. Where site index is estimated from age and height it is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees exist present, e.g. Mature stands. Site index is not to be used for any forest yield activities if associated field is from the Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation Units

VEGETATED NON-TREE CATEGORIES (for Y and L type units)

NON-FREED SHRUB
- Sb SHRUB - shrub with average shrub height in +/- 5 hectometres.
- SHRUB LOW - shrub with average shrub height < two metres.

NON-FREED HERB
- H HERB
- Hf HERB - FORBS - herb with no distinction between forbs and graminoids.
- Hg HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-FREED MOSS
- Mb BRYOID - MOSS - bryoid with no distinction between mosses and lichens by cover.
- Mr BRYOID - LICHENS - bryoid with mosses, liverworts, and hornworts > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for X and I type units)

R	ROCK	B	BARE	mu	MUDFLAT SEDIMENT
B	BLOCKFIELD	L	LAKE MUD	O	OCEAN
W	WATER	S	SEDIMENT	R	RIVER
Ta	TAILINGS AREA	Ts	TAILINGS LAKE SEDIMENTS	W	WATER COVER
G	CUTBANK	Ac	OPEN PIT MINE	X	RESERVOIR
Ro	ROAD SURFACE	mi	MORAINE	Ta	TAILINGS POND
E	ALLIGNED				Note: Water categories (L,O,R,W,X) are delineated over the planimetric coverage.

mr	RESERVOIR MARGIN	A	ALPINE
mi	INLAND SURFACE	Ac	ALPINE - COTTONWOOD or POPLAR
is	INTER SEDIMENTS	Ab	*Southern Cottonwood
ms	MARINE SEDIMENTS	BIRCH	
s	TALUS	Bs	*Silver Birch
t	TALUS	Be	*Asian Birch (swamp)
		Bj	*Yellow Birch
		Cl	CHERRY
		Cs	*Sweet Cherry
		Ce	*European Cherry
		Ci	*Pin Cherry Cerise
		Ch	*Chokecherry
		Ei	ELM
		Ee	*Siberian Elm
		Eu	*Scotch Elm
		Hi	HAWTHORN
		Hh	*Hthorn Fl.
		Hy	*Hthorn Fl.
		LARCH	
		Lk	*European Larch
		Ll	*Siberian Larch
		MAPLE	
		Mn	*Norway Maple
		Mp	*Sycamore Maple
		OAK	
		Qg	*English Oak
		Qr	*White Oak
		Qp	*Pyramidal Oak
		Qc	*Ukraine Cedar
		Qs	*Giant Sequoia
		Qw	*Garry Oak
		Qm	*European Mountain Ash
		Qa	*American Mountain Ash
		OP	Common Pear
		OT	Tree of Heaven
		OW	*White Ash
		Oh	*Shagbark Hickory
		Ow	*Black Walnut
		Oj	*Japanese Walnut
		PINE	
		Pn	*Austrian Pine
		Pr	*Red Pine
		Ps	*Scots Pine
		Pv	*Pinaster
		Pyr	*Mountain Pyrenean

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

A	ALPINE	SAND	SAND
AT	ALPINE TUNDRA ST=Species	TAL	TALUS/ALP
G	GLACIER	till	TILL
GT	GLACIER TONGUE		
I	ICEFIELD		
IS	ICEFIELD SEDIMENT		
OR	GRAVEL PIT		
R	ROCK		
W	WEEDING		
MUD	MUDFLAT		

NPDES	NON-PRODUCTIVE BRUSH		
NPTREE	NON-PRODUCTIVE FOREST Species		
NPWET	NON-PRODUCTIVE WET		
OR	OPEN RANGE		
P	PASTURE		
S	SWAMP		

NCB	NON COMMERCIAL BRUSH
NCR	NON COMMERCIAL
NSR	NOT SUFFICIENTLY RESTOCKED
NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

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

A	Animal Damage	L	Logging
B	Wildfire	M	Mine Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seedling Fungal Pathogens
I	Insects		
MUD	MUDFLAT		

R	Site Rehabilitation
T	Treatment Injuries
U	Damage Unknown
V	Protective Vegetation

Example Opening History Details

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

The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the "Opening" tab then click on "Display Silviculture Map" to turn on display values for:

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
STANDARDS UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH

Overflow Labels

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