Vegetation Map
092G075

Ministry of Forests, Lands and Natural Resource Operations

Scale 1:20,000

0 0.25 0.5 0.75 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRMD / 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 displayed on this map is subject to change. 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 / Vegetation
- Permanent Sample Plot (VRI)
- Research Installations

TRIM, Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Frames
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Inland Boundaries - ESRI
- Watercourses - ESRI
- Waterbodies - ESRI
- Wetlands - ESRI
- Ocean - ESRI

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- REC 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 fuzz - 75 % hatch)
- Municipal boundary (1:1,000,000 fuzz - 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 Fd (Douglas Fir) and the (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator Site Index / estimated SI
ex: 7 yrs old, 4 m tall, 30% crown closure, SI 20m; 40 yrs old, crown closure class 1 (8-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Description)
ex: a forb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
6 Disturbance History & year - ex: Logged in 1979

Line 1 - History Record Opening Number

opening number used in MOF RESULTS mapsheet — zzzzz - 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 Percentages are labelled 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 4.0 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Y	Yellow Cedar
H	Hemlock Genus
Hw	Western Hemlock
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
F	Fir (Balsam)
Ba	Balsam Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
Hm	HEMLOCK
Hmm	Mountain Hemlock
Hw	Western Hemlock
Hwm	Mountain x Western Hemlock hybrid
L	LARCH
La	Alpine Larch
Lw	Western Larch
P	PINE
Pa	Alpine Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (Interior)
Plc	Lodgepole x Lata Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pw	Western White Pine
Pk	Whitebark Pine
Py	Yellow Pine
S	Spruce Genus
Se	Engelmann Spruce
Sb	Sitka Spruce
Sw	White Spruce
Sx	Spruce Hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Ss	Sitka Spruce
Te	Western Yew

NATIVE HARDWOODS

A	ALDER
Dr	Red Alder
Sa	Sitka Alder
At	Pacific Coast Apple
AC	BLACK COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
Act	Black Cottonwood
Ac	Hybrid Poplars
Ep	Trembling Aspen
E	ARBUTUS
Ep	Arbutus
B	BIRCH
Bp	Alaska Paper Birch
Bpk	Alaska x Paper Birch hybrid
Bp	Paper Birch (white)
Bg	Gray Birch
C	CASCARA
Kc	Cascara
D	DOGWOOD
Vc	Red Osier
Dw	Pacific Dogwood
Dp	Pin Cherry
Dw	Western Dogwood
Dpc	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gb	Garry Oak
W	WILLOW
Wb	Sitka Willow
Ww	Pacific Willow
Wbb	Sitka x Pacific (Bentcha's)
Wp	Pussy Willow (grey leaved)
Wr	Red Willow
Wr	Sitka Willow (low branch)

UNKNOWN, OTHER

X	UNKNOWN
Xc	Unknown conifer
Xh	Unknown broadleaf
Xx	OTHER (like not on list)
Zc	other conifer
Zh	other broadleaf

EXOTICS

AP(x)	APPLE
Ax	Apples
AC	BLACK COTTONWOOD or POPLAR
Ad	Southern Cottonwood
E	ELM
Ea	European Birch
Ep	European White Birch
Ew	Hybrid Birch
CHERRY	
Cl	Choke Cherry
CYPRESS	
Ts	Port Orford Cedar
Tsh	Hybrid Cedar
Bs	Balsam Fir
Fa	Alpine Fir
Am	Shasta Red Fir
Fb	Subalpine Fir
LARCH	
Lk	Siberian Larch
Lx	Hybrid Larch
MAPLE	
Mn	Norway Maple
Mp	Japanese Maple
OAK	
Qr	English Oak
Qx	Oak Hybrid
OTHER EXOTICS	
Ot	Other Exotic
Ok	Giant Sequoia
Ou	Other Hardwood
Ow	European Mountain Ash
Ow	Siberian Elm (southern)
Ow	Hybrid Ash
Ow	Oregon Ash
Ow	Green Ash
Ow	Kingsland Hickory
Ow	Black Walnut
Ow	Japanese Walnut
PINE	
Pm	Monterey Pine
Pn	Nest Pine
Pn	Austrian Pine
SPRUCE	
Sn	Norway Spruce

Line 4

4a. AGE CLASS

CODE	LIMITS (years)
1	1-20
2	21-40
3	41-80
4	81-120
5	121-140
6	141-250
7	251 +

4b. HEIGHT CLASS

CODE	LIMITS (metres)
1	0.1 - 1.9
2	2.0 - 9.4
3	9.5 - 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)
1	1 - 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

Site Index is based on dominant trees 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 the site, an estimated SI is given based on the site series.

4e. ESTIMATED SITE INDEX

Estimated Site Index is based on the leading stand present, e.g. young stands (<30yrs). If no inventory is present, which always precedes it. Associated fields in the data base are inventory type group and the estimated site index.

Line 5 - Vegetation records

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

NON-TREED SHRUB

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

NON-TREED HERB

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

NON-TREED BRYOID

BRYOID - bryoid with no distinction between mosses and lichens by cover.
BRYMOS - bryoid with mosses forming the majority > 50% of the bryoid cover.
BRYLIC - bryoid with lichens > 50% of the bryoid cover.

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

ai	AIRPORT	gl	GRAVEL PIT	mi	MUDFLAT SEDIMENT
b	BEACH	ic	ICE	mo	MUDFLAT ORGANIC SPOIL
bl	BOULDERFIELD	la	LAKE BED	oc	OCEAN
c	CANAL	lk	LAKE	ri	RIVER
bu	BUNKED AREA	lv	POND or LAKE SEDIMENTS	sn	SNOW COVER
d	DUNE	rd	ROAD	sw	SWAMP
e	EXPOSED SOILS	rn	RUNWAY	wi	WIDE CHANNEL
f	FOUGERE				

Note: Water categories (lk, ri, rv, c) not labelled over 50 percent coverage.

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

ah	ALPINE HERB	mh	MARSH	rs	ROCK STERILE
af	ALPINE FOREST - Species	NPBR	NON PRODUCTIVE BRUSH	TRAN	TRANSITIONAL
cl	CLIFF	NPDS	NON PRODUCTIVE DESC	tz	TUNDRA
cl	CLAY BANK	NPF	NON PRODUCTIVE FOREST - Species		
g	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
cb	CRUSHER BIN	pc	PRECIPICE	NFOR	NON FOREST - BROWSH
cp	CRYPTO	r	ROCK	NP	NON PRODUCTIVE
mu	MUSKEG	s	SCREE	NSR	NOT SUPPLY/ACCESS RESTRICTED
RIVD	RIVERBED	sl	SLUMP	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code pronounced 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	Mine Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	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 (Data Warehouse). The Map/View example is of thinned RESULTS data.

The Ministry of Forests, Mines and Lands web application "Map Opening Search" can be used to find opening information. Select the Info Button, then use the "Display Silviculture Map" form on display values for:

OPENING
OPENING LABELS
SILVICULTURE TREATING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
WILDLIFE TREE STREET COVER
WILDLIFE TREE PATCH

Overflow Labels