Vegetation Map
092L096

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 - 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 contained on this map is subject to change. The 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 (VYS)
- Research Installations

TRIM, Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Forest Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Ferries
- Other Area
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Islands/Barriers - 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 for ~ 75 % match)
- Municipal boundary (1:1,000,000 for ~ no match)
- 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 /(,)
3 Species Composition
ex: the most important layer is described as Fd (Douglas Fir) and the (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator Site Index / estimated SI
ex: 7 stocked trees (class 7) 41-80 years old (class 4) 22-25 m high, crown closure class 1 (8-15%), SI 20m
5 Vegetated Classify Class (or Non-Forest/Productive Description)
ex: a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
6 Disturbance History & year - ex: Logged in 1970.

Line 1 - History Record Opening Number
- opening number valid for BCGS mapsheet
- 0XXX - 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 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 4.0 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
Fdi (Balsam)	Fdi (Balsam)
Fdc (Balsam)	Fdc (Balsam)
Sx	Sweet Fir
Ss	Sitka Spruce (+ species)
H	HEMLOCK
Hw	Western Hemlock
Hm	Western Hemlock
Hwm	Mountain x Western Hemlock hybrid
B	BALSAM
P	Pacific Silver Juniper
J	JUNIPER
Lw	Western Larch
La	Larch
Lt	Western Larch
Lt	Tamarack
Lt	Western Larch
Pl	Lodgepole Pine
Pli	Lodgepole Pine (Interior)
Plc	Lodgepole x Lodg Pine hybrid
Pyi	Ponderosa Pine (yellow)
Pyc	Ponderosa Pine (white)
Pw	Western White Pine
Pa	Whitebark Pine
Pf	Limber Pine
Pr	Red Spruce
Se	Engelmann x White
Ss	Sitka Spruce
Sxs	Spruce x unknown hybrid
Sw	White Spruce
Te	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Da	Alder
E	Pacific Crab Apple
At	ASPEN/BALSAM/COTTONWOOD + POPLAR
At	Poplar
Ac	Black Cottonwood
Ac	Black Cottonwood
Ax	Hybrid Poplars
Ax	Hybrid Poplars
A	ARBUTUS
Ata	Arbutus
Pb	Paper Birch
Ebp	Alaska x Paper Birch Hybrid
Ep	Paper Birch (white)
Ep	Paper Birch
K	DOGWOOD
Kr	Cascara
Kp	Pacific Dogwood
Ue	Siberian Elm
Up	Pin Cherry
Um	Bitter Cherry
Ue	Siberian Elm
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Mv	Vine Maple
Dg	Garry Oak
Dg	Garry Oak
Ds	Sasky Willow
Wp	Pacific Willow
Wb	Bebb's Willow (Beaked)
Wp	Pacific Willow
Wp	Pussy Willow (grey leaved)
Wr	Red Willow
Wr	Sitka Willow (tea branch)

UNKNOWN, OTHER

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

EXOTICS

AP(x)	
Ax	Apple
Ax	POPLAR, COTTONWOOD or POPLAR
Ad	Southern Cottonwood
Ae	European Birch
Ew	European Birch
Ey	Yellow Birch
	CHERRY
Yc	Choke Cherry
	CYPRESS
Ys	Yoko Cedar/ Cedar
Ys	Yoko Cedar
Bs	Balsam
Bs	Balsam
Am	Shade Red Fir
Bs	Balsam Fir
	LARCH
Lj	Tamarack Larch
Lj	Japanese Larch
	MAPLE
Mr	Norway Maple
Mn	Norway Maple
	OAK
Qk	Knight Oak
Qr	Red Oak
	OTHER EXOTICS
Ox	Other Exotics
Oc	Giant Sequoia
Oe	European Beech
Oe	European Mountain Ash
Os	Siberian Elm (southern)
Ou	Japanese Elm
Og	Dragon Ash
Ot	Tree of Heaven
Ly	Kingdom's Hickory
Ob	Black Locust
Oj	Japanese Walnut
	PINE
Pm	Monterey Pine
Pp	Red Pine
Pn	Austrian Pine
	SPRUCE
Sn	Norway Spruce

Line 4:

4a. AGE CLASS

CODE	LIMITS (years)
1	0-40
2	41-80
3	81-120
4	121-160
5	161-200
6	201-250
7	251 +

4b. HEIGHT CLASS

CODE	LIMITS (metres)
1	0 - 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)
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
Site index is the average dominant tree stand height referenced at 50 years. Stewart Height Curves. SI is based on the age and height of the leading species. When an accurate SI cannot be obtained from Stewart curves, estimates are made from local knowledge. (Site Index Estimates by Site Series Ecosystem Units)

4e. ESTIMATED SITE INDEX
Estimated site index is the average dominant tree stand height present, e.g. young stands (<40yrs). If no species by a stand 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
- SP - SHRUB - shrub with average shrub height > or = to two metres.
- SH - SHRUB (low) - 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
- B - BRYOID - bryoid with no distinction between mosses and lichens by cover.
- BM - BRYOID (MOSS) - bryoid with moss (Bryophyta) cover > 50% of the bryoid cover.
- BL - BRYOID - (LICHEN) - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED CATEGORIES (for V and I records*)

AI	AIRPORT	GP	GRAVEL PIT	RS	RIDGE/ALP SEDIMENT
BE	BEACH	I	ICE	RZ	RIDGE/ALP SPOIL
BI	BOULDERFIELD	L	LAVA BED	R	ROCK OUTCROPS
BU	BUILT-UP	LK	LAKE	RR	ROCK/SEDIMENTS
NL	NUNNED AREA	N	POND or LAKE SEDIMENTS	S	SNOW COVER
RE	RESERVOIR	RI	RIVER	SI	SNOW/ICE
SL	EXPOSED SOILS	OR	WORKINGS	W	WATER
QU	QUARRY		Note: Water categories (lk, lk, rr, rs) not labelled over 50 percent coverage.		

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

AF	ALPINE FOREST	NPBR	NON PRODUCTIVE BRUSH	TFM	TIDAL FLAT
AFO	ALPINE FOREST Opacies	NPBS	NON PRODUCTIVE SHRUB	URB	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GC	GRAVEL CRUSH	P	PASTURE	NFB	NON FOREST BROWSH
HZ	HORSETAIL	P	HAYFIELD	NP	NON PRODUCTIVE
MU	MUSKEG	R	ROCK	NSR	NOT SUPPORTIVE RESTOCKO
WO	WOODLOT	S	SWAMP	OTH	OTHER (Specify)

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 Forest Cover Projected Layer. The Map/view example is of thinned RESULTS data.

The Ministry of Forests, Mines and Lands web application VIEWER can be used to access this layer for detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for:

OPENING
OPENING LABELS
SILVICULTURE TREATING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
RESULTS THINNED FOREST COVER
WILDLIFE TREE PATCH

Overflow Labels