Vegetation Map
082F015

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 / Terrain

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 derived from up to date Cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only (Legend revised June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM_Base Features:
- Au-Built Roads
- Forest Service Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railroads
- Airf ields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrkundlands - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- BEC Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area-Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Terrains
- Municipal boundary (> 1:250,000 fine - 10 % hatch)
- Municipal boundary (< 1:250,000 fine - 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	082F.094	1 Silviculture symbol and Opening Number
2	Fd/Hw	2 Polygon Number and multi-layer stand indicator (L)
3	2	3 Species Composition
4	17-19	ex: the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
5	80 80	4 Age, Height, Crown Closure, Site Class Code - separated/. Site Index = estimated
6	1	ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-13.4m), crown closure class 1 (6-10%), SI 20+
		5 Non-Vegetative Cover - separated by a comma (,)
		ex: a rocky polygon with no distinction between Rock and gravel/sands, shrubs less than 2m
		6 Disturbance history & year - ex: Logged in 1978

Line 1 - History Record Opening Number

0001 – opening number used for BCGS mapsheet 0002 – opening numbers 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 "Tree B.C. Ministry of Forests Tree Code List" version 4.0 dated January 2009.

NATIVE CONIFER

C	CEDAR
Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Bg	Grand Fir
Bl	Subalpine Fir (Alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hmh	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sweetcrisp Juniper
L	LARCH
Lw	Western Larch
Lt	Tamarack
Le	Western Larch
P	PINE
Pl	Lodge Pole Pine
Pli	Lodge Pole Pine
Pa	Lodgepole Pine (Interior)
Plx	Lodgepole x Jack Pine hybrid
Pj	Lodgepole x Jack Pine hybrid
Pf	White Pine (Limber)
Pw	White Pine (Western White) Pine
Pa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	White Spruce
Sxs	Sub-alpine hybrid
Sxw	Interior hybrid White
Sxl	Sitka x White
Sxs	Sitka x Lutchuan hybrid
Ss	Sitka
Yc	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
A	APPLE
At	Pacific Crab Apple
Ac	BALSAM (BLACK/HOOD or POPLAR)
Ep	Poplar
Abb	Balsam Poplar
Abi	Black Cottonwood
Ae	Aspen Poplar
Ac	Black/Hooded Balsam
E	BIRCH/ALDER
Eb	Birch
Ew	BIRCH
Ea	Alaska Paper Birch
Ep	Paper Birch (Alaska hybrid
Ew	Paper Birch (Western)
Ev	Water Birch
Ey	Yellow Birch
K	Cascara
V	CHERRY
Vm	Choke Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vu	Bitter Cherry
Vp	Pacific Dogwood (eastern flowering)
M	MAPLE
Mb	Broad-leaf Maple (bradleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Black Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bendy's)
Wr	Scouler's Willow (Hooker's)
Ws	Sitka Willow
Wy	Yellow Willow (low-bend)

UNKNOWN - OTHER

X	unknown conifer
Xh	unknown hardwood
Xl	unknown (conifer or hw)
Z	other conifer
Zh	other hardwood

EXOTICS

Ya	APPLE
Ay	ASPEN
Ap	ASPEN, COTTONWOOD or POPLAR
Ayt	Southern Cottonwood
Ba	BALSAM
Bp	European Birch
Bpu	Silver Birch (swamp)
Bpy	Silver Birch
Yds	DEAD SPRUCE
Y	CYPRESS
Yn	Nootka False Cedar
Fdc	FIR (Balsam)
Bg	Grand Fir
Bl	Subalpine Fir
Bs	White Fir
Hw	Western Hemlock
Lt	Tamarack Larch
Lk	Siberian Larch
Lw	Western Larch
Ke	Kee Elec
Mh	Norway Maple
Mp	Silver Maple
Oa	English Oak
Or	Red Oak
Ox	OTHER EXOTICS
Cw	Western Cedar
Cwv	Western Red Cedar
Cwr	Cedar Redwood
Cwi	Eastern Western Red
Cwp	Western Red Cedar
Cy	Common Pear
Cyp	Pear Ornamental
Ch	White Ash
Chg	Green Ash Hickory
Cp	Tree of Heaven
Cs	Japanese Walnut
Cb	Black
Pm	Mountain Pine
Pb	Red Pine
Pn	Scots Pine
Sr	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 - 27.4
4	27.5 - 35.4
5	35.5 - 44.4
6	44.5 - 53.4
7	53.5 - 64.4
8	65.5 +

4c. CROWN CLOSURE CLASS

CODE	LIMITS (percentage)
0	0 - 5
1	6 - 10
2	11 - 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

50 to 4m trees in the natural state referenced at 50 years.
Where possible, site index is based on the dominant height of the leading species. Minimum accepted SI cannot be obtained from age and height, estimated SI is shown with a + or a - symbol to SI.

4e. ESTIMATED SITE INDEX

SI is estimated from the Site Index Estimation Program, a computer program that estimates SI for each polygon based on previous SI's recorded fields in the data base or inventory Type Groups and Estimated source code.

Line 5 - Vegetation records

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

NON VEGETATED
- W WATER
- I ICE
- R ROCK / RUBBLE
- S SNOW

NON-TREED SHRUB
- SL SHRUB - LOW - shrub with average shrub height < 4 m in two metres
- SM SHRUB - MEDIUM - shrub with average shrub height > two metres.

NON-TREED HERB
- HF HERB - FORBS - herb with no distinction between forbs and graminoids.
- HG HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED SHRUB
- SH SHRUB - HEAVY - tryoid with no distinction between mosses and lichens by cover.
- SH SHRUB - MEDIUM - tryoid with mosses, lichens, and forbs/herbs > 50% of the tryoid cover.
- SH SHRUB - LOW - tryoid with lichens > 50% of the tryoid cover.

NON VEGETATED CATEGORIES (for I and W records):

wa BEACH	wl LAKE	mi MUSKEG / MARSH
wb BEACH/FIELD	wm MARSH	mp PEAT
wc BEACH/ICE	ws SANDBAR	mr RIVER/GRAVELS
wc BURNED AREA	wt POND or LAKE SEDIMENTS	sl SNOW COVER
wd DELTA	wr RIVER	sm SNOW/ICE
we EARTH/GRAVELS	wu RIVER / STREAM	sp SPRAY
wf GLACIER		

Note: Water categories (wa, wc, wr, wu) restricted over 50 percent coverage.

mk MUDFLAT SEDIMENT	mn RESERVOIR MARGIN
mr RUBBLY MINE SPOILS	mo RAILWAY SURFACE
mt TIDAL	mq ROCK/GRAVEL
ut OTHER	mr ROAD SURFACE
sl SNOW COVER	tv TALUS
sm SNOW/ICE	ur URBAN
sp SPRAY	ur URBAN

NON FORESTED / NON-PRODUCTIVE DESCRIPTOR CODES (for E records):

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
CL	CULTIVATED	NPBS	NON PRODUCTIVE BURNS
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species
DU	DUNE (SAND)	NPL	NON PRODUCTIVE SALT
GR	GRAVEL PIT		CREEK RANGE
KE	KEIFIELD	P	HAYFIELD
MU	MUDFLAT	R	ROCK
SE	SEEDLOT	S	SWAMP

SAND SAND
SE SEEDLOT
V VARIA

NC	NON COMMERCIAL
NCBR	NON COMMERCIAL BRUSH
NP	NON PRODUCTIVE
NPBR	NON PRODUCTIVE BRUSH STOCKED
NS	NOT TYPED AVAILABLE

Line 6 - Disturbance History

Disturbance type code preceded by symbol, followed by a select 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	Diseases	P	Cone and Seedling Fungal Pathogens
	Trees		
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 IMAP or ArcMap. The MapView example is of Harvest 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:

OPENINGS
OPENING LABELS
OPENING / PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
SILVICULTURE
SILVICULTURE FOREST COVER
WILDFIRE TREE PATCH