Vegetation Map
082F080

Scale: 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - WHMS / 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 portrayed may not be complete and up to date. Cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revised in June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Structure Opening in Vegetation
- Permanent Sample Plot (1970)
- Research Installations

TRIM - Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Aqf Airstrips
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofluvial lines - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- NVI Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area-Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Terrain
- Municipal boundary (> 1:500,000 flat / 15% hatch)
- Municipal boundary (< 1:500,000 flat / no hatch)
- National Parks
- Parc Nationaux
- 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 described as Fd (Douglas Fir) and Hw (Western Hemlock).
4. Age, Height, Crown Closure Class Code - separator: Site Index / estimated SI
   ex. stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4 m), crown closure class 1 (6-15%), SI 20m
5. Vegetated Density Class (or Non-Forest Productive Descriptor)
6. Disturbance History (optional) - ex. cutblocks and gravel pits, shrubs less than 2m.
7. Disturbance History & year - ex. Logged in 1978

Line 1 - History Record Opening Number

0121 - opening number valid for BCGS mapsheet
0009 - 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 - SC 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 4.6 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Yc	Yellow Cedar
H	HEMLOCK
F	DOUGLAS FIR
Fd	Douglas Fir (coast)
Fdi	Douglas Fir (int)
Fdi	Interior Douglas Fir
B	BALSAM
Ba	Alpine Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
Hm	HEMLOCK
Hw	Mountain Hemlock
Hwi	Western Hemlock
Hwx	Mountain x Western Hemlock hybrid
J	JUNIPER
Ju	Rocky Mtn. Juniper
Jr	Creeping Juniper
L	LARCH
La	Subalpine Larch
Lw	Tamarack
Lw	Western Larch
P	PINE
Pa	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine hybrid
Pli	Lodgepole Pine (coastal)
Pp	Ponderosa Pine (yellow)
Pw	White Pine
Pw	Western White Pine
Pxj	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Spruce hybrid
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Spruce white
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Sx	Sitka
Te	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
D	APPLE
Dt	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Abt	Balsam Poplar
Ac	Black Cottonwood
Ah	Hybrid Poplars
At	Trembling Aspen
B	BIRCH
Bp	White Birch
Ep	Alaska Paper Birch
Ebp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Bg	BIRCH, GIANT
E	CASCARA
Ep	Cascara
Ep	Bitter Cherry
Yo	Bitter Cherry
Yo	Choke Cherry
Ew	DOGWOOD
Ew	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
G	Oak
Gg	Garry Oak
W	WILLOW
Wb	Black Willow
Wp	Pacific Willow
Wsp	Scouler's Willow (Barclay's)
Wy	Pacific Willow (grey leaved)
Wa	Scouler's Willow
Wx	Willow (not specified)

UNKNOWN - OTHER

X	UNKNOWN
xc	unknown conifer
xh	unknown hardwood
Z	OTHER (tree species not listed)
Zc	other conifers
Zx	other hardwood

EXOTICS

E	APPLE
Ae	ASPEN, COTTONWOOD or POPLAR
Ae	Southern Cottonwood
Ea	Aspen
Ea	European Birch
Ey	Silver Birch (exotic)
Ep	Poplar (exotic)
Ed	CHERRY
Ys	Sweet Cherry
Y	Cherry
Yp	Pin/ Gilfert Cherry
Fff	FIR (Balsam)
Bb	Balsam Fir
Bd	Nobel Fir
Bm	*Shasta Red Fir
Bp	Silver Fir
L	LARCH
Ld	*Dahurian Larch
Lk	*Japanese Larch
M	MAPLE
Mb	Norway Maple
Mr	*Sycamore Maple
Ms	Sycamore Maple
O	Oak
Or	*Pin Oak
Qw	*White Oak
P	PINE, EXOTICS
Pc	*Corsican Pine
Pn	*Swiss Stone Pine
Pn	*Austrian Pine
Pm	Mugo Pine
Pp	Ponderosa Pine
Pr	Red Pine
Pa	Scots Pine
S	SPRUCE
Sn	*Norway Spruce
Sp	*Colorado Blue Spruce
Sa	*Serbian Spruce
Sd	*Siberian Spruce
Sh	*Hybrid Spruce
Sk	*Koster Spruce
Sz	*Oriental Spruce
Ot	Tree of Heaven
Ot	Japanese Walnut
W	WALNUT
Pm	*Mahogany Pine
Pr	*Red Pine
Pj	*Japanese Red 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
All SI are known to the nearest metre referenced at 50 years. Breast Height Age. SI is based on the age and height of the dominant and co-dominant trees. Where no SI is available, the age and height is estimated from known sites, or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI base and comment, e.g. young stands (<30yrs). It is denoted by a slash which always follows the SI number. Where SI is unknown these are inserted: Tree Group and SI alternate source code.

Line 5 - Vegetation records

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

NON-TREES SHRUB
- d SHRUB TALL — shrub with average shrub height > or = to two metres
- s SHRUB LOW — shrub with average shrub height < two metres

NON-TREES 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 graminoids > 50% of the herb cover.

NON-TREES MOSS
- bm BRYOID — bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS — bryoid with mosses, liverworts, and hornworts > 50% of the bryoid cover.
- bl BRYOID - LICHENS — bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- w Exposed Land
- w Water / Ice
- s Snow / Ice

NON-VEGETATED CATEGORIES (for N and I records)

ag AGGREGATE	gr GRAVEL PIT	mu MUDFLAT SEDIMENT	rv RESERVOIR MARGIN
ar ARGOC	l LAKE	no RUBBLE MINE SPOILS	ra RAILWAY SURFACE
w BLOCKFIELD	lk LAKEBED	oc OCEAN	rs RIVER SEDIMENTS
c CLIFF	m MINE	ri RIVER	ro ROAD SURFACE
ss SURFICIAL SEDIMENTS	mo MINE ASSOC SEDIMENTS	sn SNOW/ICE	t TALUS
cs CUTBANK	mc OPEN PIT MINE	rv RESERVOIR	tl TAILINGS
ds DEBRIS SLIDES	mm MORAINE	sw SEDIMENT STREAM	u URBAN
gl GLACIER	mm MORAINE	Water capacity (i.e. w, la, lk) takes precedence over soil percent coverage.	

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

A	ALPINE	NF	NON PRODUCTIVE
AF	ALPINE FOREST (Species Composition)	NFBR	NON PRODUCTIVE BRUSH
D	CLAY BELT	NFD	NON PRODUCTIVE - DECID
G	CLAY BANK	NFF	NON PRODUCTIVE FOREST (Species Composition)
D	GRAVEL BAR	NFA	NO TYPING AVAILABLE
I	ICEFIELD	NFL	NON PRODUCTIVE
ICE	ICEFIELD	R	HAYFIELD
M	MEADOW	R	ROCK
MUD	MUDFLAT	S	SWAMP
SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
MC	NON COMMERCIAL		
MB	NON PRODUCTIVE BRUSH		
NP	NON PRODUCTIVE		
NSR	NOT SUFFICIENTLY RESTOCKED		
NTA	NO TYPING AVAILABLE		

Line 6 - Disturbance History

Disturbance type codes are followed by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

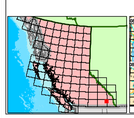
A	Animal Damage	L	Logging
B	Wildfire	M	Mink Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

Example Opening History Details

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

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



Overflow Labels