082M014

Vegetation Map
082M014

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 / Surfaces

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to display the best available information for Forest Cover, Ownership, 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 revisions June 2014).

Labels Projected To: January 1, 2015

MAP SYMBOLOGY

Forest Inventory Feature:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (CVS)
- Research Installations

TRIM - Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Gravel Roads
- Trails/Cutlines
- Railways
- 4x Ferries
- Other lines
- Powerlines
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrodiscretes - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- NV 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 - 15 % fetch)
- Municipal boundary (1:1,000,000 for no fetch)
- National Parks
- Fish Habitats
- 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 No. / 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 - separated by a /
ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-15%), SI 20m
5 Site Index (Site Index Curve Number) (Site Species)
ex: a fertile polygon with no distinction between forests and grasslands, shrubs less than 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

opening number valid for BCGS mapsheet — 00/##: opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRMS Polygon Number - ranging from one to nine digits
L Multi-layered stand is separated, second or third 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 "The B.C. Ministry of Forests Tree Code List" version 4.5 dated January 2009

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Y	YEW
Yc	Yellow Cedar
H	HEMLOCK
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Fdf	Fdi (Suspected Fdc)
Ba	Amabilis Fir
Bg	Grand Fir
B	Subalpine Fir (Balsam)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hx-h	Mountain x Western Hemlock hybrid
Hx	Hm x Hw
J	Rocky Mtn. Juniper
Jr	Creeping Juniper
L	LARCH
Lw	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pl	Jack Pine
Pli	Shore Pine
Plc	Lodgepole Pine
Pli-l	Lodgepole Pine (interior)
Plc-l	Lodgepole x Jack Pine hybrid
Pp	Ponderosa Pine (yellow)
Pw	Western White Pine
Pa	Western White Pine
S	SPRUCE
Sx	Black Spruce
Se	Engelmann Spruce
Sb	White Spruce
Sw	White Spruce
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x Engelmann hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	ARBUTUS
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Ab	Balsam Poplar
Act	Black Cottonwood
Ap	Poplar
At	Trembling Aspen
Ep	Paper Birch
Ay	Alaska Yellow Birch
E	BIRCH
Ep	Paper Birch
Ey	Alaska x Paper Birch hybrid
Ey	Paper Birch (white)
Ek	Swamp Birch
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Gs	Garry Oak
Go	Oregon Oak
Wp	Pacific Willow
Wa	Pacific Willow
Wb	Black Willow (Barclay's)
Wd	Peace Willow (Bebb's Willow)
Wr	Scouler's Willow
Wx	Willow spp. (tree-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	Coniferous Conifer
Xl	unknown hardwood
Z	OTHER (tree not on list)
Zz	unknown
Zn	other hardwood

EXOTICS

X	APPLE
Ue	Apple
A	ASPEN, COTTONWOOD or POPLAR
Act	Northern Cottonwood
Ap	Poplar
Ab	Balsam Poplar
Ep	Silver Birch (exempt)
Ey	Yellow Birch
Ek	Swamp Birch
Ys	Sweet Cherry
Yt	Bitter Cherry
Yp	*Pin Cherry Cedar
Cr	FIR (Grafted)
Fdc	Douglas Fir
Bl	Noble Fir
Bm	*Shasta Red Fir
Bp	Grand Fir
L	LARCH
Lk	*Dahurian Larch
Le	*European Larch
M	MAPLE
Mb	Bigleaf Maple
Mp	*Japanese Maple
Mn	*Sycamore Maple
O	OAK
Qg	*English Oak
Qw	*White Oak
P	PINE, EXOTICS
Pa	*Austrian Pine
Pc	*Corsican Pine
Pd	*Scots Pine
Pe	*European Mountain Ash
Pm	Siberian Elm (southern)
Pn	*Swiss Stone
Pp	Oregon Ash
Pw	*Weeping Willow
Py	*Himalayan Hickory
Q	Tree of Heaven
Qk	Japanese Walnut
S	SPRUCE
Sn	*Norway Pine
Sp	*Serbian Spruce
Ss	*Sitka Spruce
Sx	*Douglas Pine
Sz	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)
P	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 estimates in the naturally-established at 50 years breast height age. SI is based on the age and height of the tallest tree in the polygon. Site index curve numbers (both age and height) estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when site index SI data is cannot present, e.g. Site Index Adjustment (SIA) is used for a stand which shows a precursor it. Associated fields in the data base are Inventory Type Group and SI Estimated source codes

Line 5 - Vegetation records

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

w	SHRUB TALL
x	SHRUB MED.
d	SHRUB LOW

- shrub with average total height 1.m to two metres.
- shrub with average to th height 1 two metres.

NON-TREED HERB

he	HERB
hf	HERB - FORBS
hg	HERB - GRAMINOIDS

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

NON-TREED SHRUB

s	SHRUB
sm	SHRUB - MOSS
sl	SHRUB - LICHENS

- brond with no distinction between moses and lichens by cover.
- brond with mosses, hasswck, and hummock > 50% of the brpond cover.
- brpond with lichens > 50% of the brpond cover.

NON-VEGETATED CATEGORIES (for V and I records)

ae	AIRPORT
ar	ROCK/RUBBLE
b	BUCKYHILD
br	BEDROCK
c	CULTURAL
cu	CUTBANK
es	EXPOSED SOILS
gr	GRAVEL PIT
l	LANDING
t	LANDING
ls	LANDSLIDE/LAKE SEDIMENTS
mi	OPEN PIT MINE
mn	MORAINE
ro	MUD/FLAT SEDIMENT
rs	RIVER/STREAM BARE SPOILS
oc	OCEAN
oi	OTHER
ow	OPEN WATER
re	RESERVOIR
rr	RIVER / STREAM
rm	RESERVOIR MARGIN
rz	RIVER SEDIMENTS
rz	RIVER SEDIMENTS
u	ROAD SURFACE
s	SAND
s	TAILINGS
u	URBAN

Note: Water categories (ow, rm, re, rr) can exceed and fill percent coverage.

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

AF	ALPINE FOREST Krummholz
C	CULTIVATED
CL	CLEARING
G	GRASS / SHRUB
GR	GRAVEL PIT
L	LANDING
M	MEADOW
MAT	MUD FLAT
MPBD	MPB DEAD
MPBG	MPB GREY
MPBR	MPB RED
N/A	NOT APPLICABLE
OR	OPEN RANGE
R	ROCK
S	SWAMP
SAND	SAND
TEE	TIDAL FLAT
U	URBAN
NC	NON-COMMERCIAL
NCBR	NON-COMMERCIAL BRUSH
NF	NON-FOREST
NFS	NOT SUFFICIENTLY RESTOCKED
NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

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

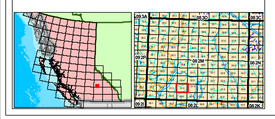
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Disease	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMW or ArcMap. The MapView example is of themed 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 ID
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
WILDLIFE TREE RETENTION
WILDLIFE TREE PATCH



Overflow Labels

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