Vegetation Map
082M025

Ministry of Forests, Lands and Natural Resource Operations

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 / Terrain

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to facilitate printing on a standard sheet of paper. Some features may be omitted or generalized. 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, 2014

MAP SYMBOLOGY

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

TRIM - Base Features:
- Rail Rail Routes
- Forest Service Road Lines
- Paved Roads
- Gravel Roads
- Trails/Cutlines
- Railways
- Air Fairies
- Other lines
- Powerlines
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolines/Rivers - 50M
- Watercourses - 50M
- Waterbodies - 50M
- Wetlands - 50M
- Ocean - 50M

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- Mnt. 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 (> 1,000,000 ha - 10 % tests)
- Municipal boundary (< 1,000,000 ha - no tests)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Grid:
- NTS/BC 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 multilayer stand indicator (L)
3 BC Tree Code Unit
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 a 141 year old, 31 m tall, 40% crown closure stand with a site index of 20 (more likely 18 - 22)
5 Vegetated Density Class (or Non-Vegetative Descriptor)
ex a fen/a polygon with no distinction between forbs and graminoids, shrubs less that 2m
6 Disturbance History (Line 4 - ex: Logged in 1978

Line 1 - History Record Opening Number

opening number valid for BCGW mapsheet ..... 0000 - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRMS Polygon Number - ranging from one to nine digits
L - lan=layered stand is present/absence=dominant stand layer is available in the data base, i.e. 1,2)

Line 3 - BC Tree Code List

Species Composition - Species symbols are scribed 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

CODE	
C	CEDAR
CW	Western Red Cedar
YC	CYPRESS
Y	Yellow Cypress
F	DOUGLAS FIR
FD	Douglas Fir
FM	Coastal Douglas Fir
FF	Interior Douglas Fir
H	HEMLOCK
HM	Mountain Hemlock
Hg	Grand Fir
HW	Western Hemlock
HWI	Western Hemlock Hemlock hybrid
J	JUNIPER
JF	Rocky Mtn. Juniper
JU	Utah Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plh	Lodgepole Pine (Hybrid)
Plx	Lodgepole Pine (yellow)
Pa	Whitebark Pine
Pf	Limber Pine
Pw	White Pine
Ss	Black Spruce
Sb	Black Spruce Hybrid
Se	Engelmann Spruce
Sw	White Spruce
Sx	Spruce Hybrid
Sxe	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka Spruce hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

CODE	
D	ALDER
Dr	Red Alder
Y	APPLE
At	Pacific Crab Apple
Ay	Black Cottonwood/Balsam/Cottonwood/Poplar
E	BIRCH
Ep	Paper Birch
Ad	Black Cottonwood
Ae	Trembling Aspen
Ax	Trembling Aspen
B	MAPLE
Bm	Bigleaf Maple
Bx	Maple Hybrid
R	MOUNTAIN ASH
Rn	Pacific Mountain Ash
Ro	Sitka Mountain Ash
Rx	Rowan Species
S	WILLOW
Sc	Scouler Willow
Sh	Hooker Willow
Sl	Sitka Willow
Sp	Pacific Willow
Sr	Red Willow
Sx	Willow Species
Sy	Pacific Dogwood (western flowering)
M	MISCELLANEOUS
Mb	Black/Water Birch
Mc	Vine Maple
Mg	Garry Oak
Mr	Wild Pear
Mt	Bitter Cherry
Mv	Pacific Willow
Mw	Water Birch (Red Birch)
Mx	Paper Birch (Alaska)
Mz	Sitka Willow (Hardwood)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xn	unknown non-tree
Zz	other hardwood

EXOTICS

Y	APPLE
Ay	APPLE
Ax	ORIENTAL COTTONWOOD or POPLAR
W	Siberian Cottonwood
Ag	Grey Alder
Ab	European Alder/Hybrid
Yb	Yellow Birch
Ys	Silver Birch
Cs	Green Ginko
CYPRESS	
Cn	Nootka Cedar
FA	FIR (Exotics)
Bg	Noble Fir
Bp	Nikko Fir
Bs	Spanish Fir
LA	LARCH
Lk	Japanese Larch
Ls	Siberian Larch
MAPLE	
Mn	Norway Maple
Mr	Norway Maple
Mp	Purple Leaf Plum
OAK	
Qr	Northern Oak
PINE	
Pn	White Pine
OTHER EXOTICS	
Ot	Other Exotics
Ch	Horse Chestnut
Cr	Cutleaf Redbeard
Cw	Cutleaf Weeping Birch
Cx	Siberian Crabapple
Dg	Douglas Hybrid
Dg	Dragon Ash
Ob	Black Ash
Y	Himalayan Hickory
Cj	Trees of heaven
Cp	Japanese Walnut
PINE	
Pa	Hickory Pine
Pm	Mugo Pine
Pp	Ponderosa Pine
Sn	Stone Pine

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 - 15.9
3	16.0 - 20.4
4	20.5 - 27.4
5	27.5 - 32.4
6	32.5 - 37.4
7	37.5 - 42.4
8	42.5 +

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 height in metres achieved at 50 years breast height age. SI is based on the age and height of the dominant trees in the stand. Site index curves are species and biogeoclimatic estimated SI's shown (dfir, or, hs, c) or standard site SI (pl,sx) curves.

4e. ESTIMATED SI'S NOTE
SI is estimated when access for trees cannot physical, e.g. steep slopes (>50%), it is limited by a dyke which shows on the ortho photo, or the stand is a mixed species stand. Type Group and SI'S entered source code.

Line 5 - Vegetation Heights

VEGETATED NON-TREE CATEGORIES - (for V and I (non-ecr))

NON-TREED SHRUB
- S SHRUBTALL - shrub with average shrub height > or = to two metres.
- H SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- G GRAMINOID - herb with no distinction between forbs and graminoids.
- F FORB - herb with > 50% forbs of the herb cover.
- B GRAMINOID/FORB - herb with no distinction between graminoids and forbs.

NON-TREED BRYOID
- M BRYOID - bryoid with no distinction between mosses and lichens by cover.
- Bm BRYOID - MOSS - bryoid with mosses, liverwork and hornworts > 50% of the bryoid cover.
- Bl BRYOID - LICHEN - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED
- E Exposed Land
- W Water (fresh)
- Wm Water (salt)

NON-VEGETATED CATEGORIES - (for N and I (non-ecr))

- AP AIRPORT
- AT ALPINE TUNDRA
- B BOULDERFIELD
- BE BEDROCK
- C CULTIVATED AREA
- CL CLEARING
- D DUNE/SAND
- G GRAVEL PIT
- GL GLACIER
- I LANDING
- L LAKE
- M MARSH
- MS MUDFLAT/SEDIMENT
- O OTHER
- OF OPEN FOREST SEGMENTS
- R RIVER/STREAM
- RE RESERVOIR MARGIN
- RM RESERVOIR MARSH
- RS RIVER SEDIMENTS
- RZ ROAD SURFACE
- S SNOW
- TA TAILINGS
- U UNCONSOLIDATED

Note: Water categories (w, wt, l) not detailed on 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTION CODES (for V and I (non-ecr))

- A ALPINE
- AF NON-FOREST / Species
- C CULTIVATED
- CL CLAY SOIL
- CR CROP LAND
- GR GRAVEL PIT
- L LAKE
- M MUSKEG
- MU MUSKEG
- MP NON-PRODUCTIVE
- MPB NON-PRODUCTIVE BRUSH
- MPG NON-PRODUCTIVE
- MPT NON PRODUCTIVE FOREST Species
- OR OPEN ROAD
- OW OPEN SURFACE WATER
- R ROCK
- RIV RIVER
- SAND SAND
- SC SILT / CLAY
- SOIL SOIL
- W WATER
- WL NON-COMMERCIAL
- WLB NON-COMMERCIAL BRUSH
- WLT NON-COMMERCIAL Species
- NSR NOT SUFFICIENTLY RESTOCKED
- NA NOT PRODUCTIVE/UNKNOWN

Line 6 - Disturbance History

Disturbance type code preceded 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
- C Cone and Seed Insects
- D Diseases
- I Insects
- L Logging
- N Wind Damage
- S Fire and Logging/ Injuries
- W Cone and Seedling Fungal Pathogens
- X Site Remediation
- Y Treatment Injuries
- Z Unknown Injuries
- V Problem Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either WF or ArcMap. The WebForm example is of the new RESULTS data.

The Ministry of Forests, Mines and Lands web application MAPSHEW is available to view this type of detailed information. Select "Silviculture" from the "Display" menu.
Select/unselect "Any" 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