Vegetation Map
082J023

BRITISH COLUMBIA
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 display on a standard computer screen or printed on a standard colour printer. Quality of the information in this portrayal may not be complete and up to date (based on 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 in Vegetation
- Permanent Sample Plot (2153)
- Research Installations

TRIM - Base Features:
- 4x4 Trail Roads
- Forest Service Roads/Lanes
- Paved Roads
- Rough Roads
- Trails/Footpaths
- Railways
- Ski Fields
- Other Vias
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeatures - 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 - Tantalis
- Municipal boundary (1:1,000,000 to 1:5 M. fabric)
- Municipal boundary (1:1,000,000 fabric - no fabric)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- NTS/BCGS Map Sheet 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
4 Age, Height, Crown Closure Class Code - separator - Site Index - estimated SI
Any stand in age class 2 (21-40 yrs), height class 1 (0.1-10.0m), crown closure class 1 (6-10%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
6 Disturbance History (cutting, juvenile spacing and gains/outs, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

0124 - opening number valid for BCGS map/sheet 2029 - 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 (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 listed 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	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS-FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
H	HEMLOCK
Hw	Western Hemlock
Hm	Mountain Hemlock
J	JUNIPER
Jr	Rocky Mt. Juniper
L	LARCH
La	Alpine Larch
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (contorta)
Pli	Lodgepole x Jack Pine hybrid
Pm	Mountain Hemlock - Lodgepole
Pw	Silver Pine (white)
Py	Ponderosa Pine
Pyi	Ponderosa Pine
S	SPRUCE
Sa	Alpine Spruce
Se	Engelmann Spruce
Sb	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxe	Engelmann x white sp
Sxs	Sitka x white sp
Sxw	White x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOOD

D	ALDER
Dr	Red Alder
E	ASPEN
Ew	Pacific Cott. Apple
Ep	BALSAM (COTTONWOOD or POPLAR)
Ac	Paper
Act	Balsam Poplar
At	Black Cottonwood
Ai	Hybrid Poplars
Ae	Trembling Aspen
B	BIRCH
Ba	Alaska
Bb	Paper
Bw	Alaska Paper Birch
Bwx	Paper Birch x Alaska hybrid
Bp	Paper Birch (white)
Bw	Water Birch
Bg	Gray Birch
Ct	Cascara
V	OAKMAPLE
Vb	Bigleaf Maple
Vc	Vine Maple
Vg	Garry Oak
W	WOODWARD
Wi	Willow (general (western flowering)
Wp	Bebb's
Wr	Barrel Shade (bracket)
Wy	Scouler Willow
X	OAK
Xg	Garry Oak
Xw	White Oak
Z	Bebb's Willow
Za	Peachleaf Willow (Bradley's)
Zc	Sitka Willow (Coastal Willow)
Zs	Sitka Willow (Scouler)
Zw	Pacific Willow (Black)

UNKNOWN / OTHER

X	unknown conifer
Xh	unknown hardwood
Xs	OTHER (Non-native tree)
Zz	other conifer
Zzz	other hardwood

EXOTICS

A	APPLE
Ap	Apple
Ax	Apple x Siberian Crab
Ay	Siberian Crab
AC	BALSAM (COTTONWOOD or POPLAR)
Act	Southern Cottonwood
Ae	Aspen
Ep	European Birch
Ex	Silver Birch (exotic)
Ey	Swedish Birch
CH	CHERRY
Ch	Black Cherry
Cm	Mazzard
Cp	Pin Cherry
E	ELM
Be	Siberian Elm
Ew	Scotch Elm
Ey	Smooth-leaf Elm
Wc	White Elm
Ec	Camperdown Elm
F	ASH
Fg	European Ash
Fm	Manchurian Ash
Fn	Narrow-leaf Ash
Fr	Red Ash
Fw	White Ash
G	WALNUT
Gb	Black Walnut
Gs	Siberian Walnut
Gw	White Walnut (Butternut)
H	HAWTHORN
Hd	Cockspur Hawthorn
Hp	Pear Hawthorn
K	MOUNTAIN ASH
Kc	European Mountain Ash
Kn	Showy Mountain Ash (Nootka)
M	COMMON PEAR
Mo	Ornamental Pear
O	OREGON ASH
Oa	Oregon Ash
P	POPLAR
Pa	Lombardy Poplar
Pb	Balsam Poplar
Pg	Grey Poplar
Pn	Narrow-leaf Cottonwood
Pr	Red Poplar
S	WILLOW
Sa	Laurel Willow
Sc	Corkscrew Willow
Sm	Pussy Willow
Sr	Ringo Willow
W	Siberian Ephedra

Line 4

4a. AGE CLASS

CODE	LIMITS (years)
1	0-20
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 - 4.0
2	4.1 - 10.0
3	10.1 - 22.5
4	22.6 - 32.5
5	32.6 - 41.5
6	41.6 - 48.5
7	48.6 - 54.5
8	54.6 - 64.4
9	65.5 +

4c. CROWN CLOSURE CLASS

CODE	LIMITS (percentage)
1	0 - 5
2	6 - 10
3	11 - 20
4	21 - 30
5	31 - 40
6	41 - 50
7	51 - 60
8	61 - 70
9	71 - 80
0	81 - 100

4d SITE INDEX

Site Index refers to the estimated tree whorl/wood at 50 years.
Site Index is derived from Ground Sampling Procedures (GSP) or Ecological Mapping Updates. Where an accurate SI cannot be obtained from GSP or Ecological Mapping Updates, a SI may be estimated from Age and Height.

4e. ESTIMATED SITE INDEX

Site Index is derived from Ground Sampling Procedures (GSP) or Ecological Mapping Updates. Where an accurate SI cannot be obtained from GSP or Ecological Mapping Updates, a SI may be estimated from Age and Height. Estimated SI's in the data base are inventory type Estimated SI (Estimated wood class).

Line 5 - Vegetation records

VEGETATED: NON-TREE CATEGORIES (5a/5f and 5g/5h words)

NON-TREE SHRUB
- sb SHRUB — shrub with average shrub height > or = to two metres.
- s SHRUB — shrub with average shrub height < two metres.

NON-TREE HERB
- hb HERB
- hg HERB - GRAMINOID
- h HERB - FORBS

NON-TREE MOSS
- bk BRYOIDS
- m MOSS - MOSS
- bm BRYOID - LICHENS

NON-VEGETATED
- r Rock / Bedrock
- w Water / Ice

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

- broad with no distinction between mosses and lichens by cover.
- moss with mosses > 50% of the broad cover.
- lichen with lichens > 50% of the broad cover.

NON-VEGETATED CATEGORIES: (5a/5f and 5g/5h words)

ar ALPINE	L LAKE	mu MUD/MAT SEDIMENT
b BOULDERS	lk LAKE	mw RUBBLE/ MINE SPOILS
bl BLOCKFIELD	li LAKE BED	rc OCCAN
c CLIFF	o OCEAN	rm MISC. SURFACE
e EXPOSED SOIL	rv RIVER	s SAND
g GLACIER	rr RIVER or LAKE SEDIMENTS	sc SCREE COVER
ge EXPOSED SOIL	sn SNOW	t TALUS
gr GLACIER	sp SPOIL MINE	u URBAN
	w WATER	v LAVA
	r RIVER / STREAM	

- Note: Water categories (L, o, rv, r) are applied over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (5a/5f words)

AF ALPINE FOREST / Species	NPBU NON-PRODUCTIVE BRUSH	SAND SAND
C CULTIVATED	NPBS NON-PRODUCTIVE BURN	TAT TIDAL FLAT
CL CLEARING	NPSC NON-PRODUCTIVE SCRUB / Species	U URBAN
GL GRASS LAND	NTA NOT TYPING AVAILABLE	NC NON COMMERCIAL
GR GRASS / PT	UA UNKNOWN AGE	NCBR NON COMMERCIAL BRUSH
MA MEADOW	UC UNKNOWN CROWN	NF NOT FORESTED
MO MOSSES	UH UNKNOWN HEIGHT	NFL NOT FORESTED LIMITED STOCKED
W WETLAND	WARM	NTA NOT 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
C Competition	N Nil Damage	U Damage Undetermined
D Diseases	P Non-Biological Injuries	V Damage Unknown
I Insects	F Cone and Seedling Fungal Pathogens	Y Problem Vegetation

Example Opening History Details

Several Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of the new RESULTS data.

The Ministry of Forests, Mines and Lands web application RESULTS is the source of the Silviculture information. Select the RESULTS_SILV then click on "Display Silviculture Map" to turn on display values for -

OPENING
OPENING_LANDUSE
OPENING_PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
WILDLIFE TREE PATCH

Overflow Labels