092F027

Vegetation Map
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Province of 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 the vegetation information in the VRMS database. Other features shown on the map, such as roads, are portrayed as they 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, 2016

MAP SYMBOLOGY

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

TRIM - Base Features:
- As-Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Parkes
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroelectric - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

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 (> 1,000,000 ha - 15 % hatch)
- Municipal boundary (< 1,000,000 ha) - 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 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).
Cw is the 2nd most abundant species. Bl4 (Alpine Fir) estimated to be 4 m tall.
ex: stand is age class 2 (21-40 yrs); height class 1 (0 - 10.4m); crown closure class 1 (6 -16%); SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1978

CUT 001	
2	
Fd Cw	
3 20	
Bl 4	
Gr 5	

Line 1 - History Record Opening Number

opening number - valid for BCGS mapsheet — zzzz - 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 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 4.0 dated January 2009.

NATIVE CONIFERS

Cw	WESTERN RED CEDAR
Y	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	BALSAM
Ba	Amabilis Fir
Bg	Grand Fir
Bl	SUBALPINE FIR (Alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulor Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pf	Limber Pine
Pw	Western White Pine
Px	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Hybrid Spruce
Sxe	Engelmann x White
Sxs	Sitka x White
Sxw	White x Unknown hybrid
YEW	
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	BIRCH
Ep	Paper Birch
Ew	Water Birch
Ey	Yellow Birch
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Act	Balsam Poplar
Ac	Black Cottonwood
Hx	Hybrid Poplars
Ax	Hybrid Poplars
Ac	Trembling Aspen
Ep	Paper Birch
Ew	Water Birch
Ey	Yellow Birch
Ep	Paper Birch
Ew	Water Birch
Ey	Yellow Birch
C	CASCARA
Kc	Cascara
Y	CHERRY
Yb	Bitter Cherry
Yc	Choke Cherry
Yp	Pin Cherry
D	DOGWOOD
Dw	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Og	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Booth's)
Wd	Pussy Willow (gray leaved)
Wr	Red Willow (diamond)
Ws	Sitka Willow (lanceleaf)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (genus not list)
Zc	other conifer
Zh	other hardwood

EXOTICS

A	APPLE
Ua	ASPEN, COTTONWOOD or POPLAR
Act	Southern Cottonwood
E	BIRCH
Ea	European Birch
Es	Silver Birch (exempt)
Ey	Yellow Birch
G	GINKGO
Gi	Ginkgo
V	Sweet Cherry
Vs	Sweet Cherry
Y	CYPRESS
Yc	Yellow Cedar
Yo	Other Gilded Cedar
F	FIR (Eastern)
Fb	Balsam Fir
Fn	Nikko Fir
Fr	Noble Fir
Fs	Shasta Red Fir
Fw	White Fir
L	LARCH
Lk	Eastern Larch
Lyl	Siberian Larch
MA	MAPLE
MR	Red Maple
Mt	Norway Maple
Ms	Sycamore Maple
O	OAK
Or	English Oak
Qw	White Oak
S	SPRUCE EXOTICS
Sa	Serbian Spruce
Sc	Giant Sequoia
Sn	Norway Spruce
Sol	European Alder/Black Alder
Sw	Siberian Elm (southern)
Ot	Common Pear
Og	Grayleaf Ash
Ow	Oregon Ash
Ot	Shagbark Hickory
Cj	Tree of Heaven
Ok	Japanese Walnut
PINE	
Pm	Monterey Pine
Pn	Austrian Pine
Pp	Taiga Pine
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 data is taken at the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the tallest tree in the stand. Site index is estimated from tree age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when no trees in the stand are present, eg. young plantations, or when the tallest tree in the stand is a dead whitish snag. Estimated SI Associated Note in the data base are Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

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

NON-TREED SHRUB
- s SHRUB TALL - shrub with average shrub height > or = to two metres.
- sl SHRUB LOW - shrub with average shrub height < two metres.

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

NON-VEGETATED
- rk Exposed Land
- rs Rock / Talus
- w Water / Ice

NON-VEGETATED CATEGORIES (Soil V and I records)

ap AIRPORT	gr GRAVEL PIT	mu MUDFLAT SEDIMENT	rm RESERVOIR MARGIN
be BEACH	l LAKE	mv ACID MINE SPOILS	rr RAILWAY SURFACE
bl BURNED OVER	la LANDING	no NORMAL	rv RIVER SEDIMENTS
br BEDROCK	ld LANDING	or OTHER	ru ROAD SURFACE
bu BURNED AREA	lk POND or LAKE SEDIMENTS	pr SNOW COVER	t TALLUS
cc CLEARCUT	m MUSKEG or MIRE	r RIVER	u URBAN
ea EXPOSED SOILS	mw MORAINE	ri RIVER / STREAM	
gl GLACIER			

Note: Water categories (w, ou, w, ri) not labeled over 80 percent coverage.

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

A ALPINE	NP NON PRODUCTIVE	SAND SAND	
AF ALPINE FOREST (Species	NPBR NON PRODUCTIVE BRUSH	TOT TOTAL FLAT	
C CULTIVATED	NPBU NON PRODUCTIVE BURN	URBAN	
CL CLAY BANK	NPF NON PRODUCTIVE FOREST (Species		
G GRASS / HERB	OA OPEN AVAILABLE	NC NON COMMERCIAL	
GR GRAVEL BAR	OBA OPEN BRUSH AVAILABLE	NCBR NON COMMERCIAL BRUSH	
ICE ICEFIELD	P HAYFIELD	NP NON PRODUCTIVE	
MUD MUD FLAT	R ROCK	NPA NOT SUFFICIENTLY RESTOCKED	
W WATER	SNWP SNOWP	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.

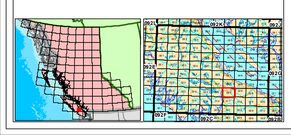
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mine Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF 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 Data" to turn on display values for:

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



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