093L042

Vegetation Map
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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 - VRIMS / Ownership
Base Map Source: TRIM / Tantalis

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 revisions June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM, Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Helos
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/No-Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- INV Region-Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area-Rock - 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).
4 Age, Height, Crown Closure Class Code - separator . Site Index / estimated SI
ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-15%), 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

Line 1 - History Record Opening Number

cut - opening number valid for BCGS mapsheet. nan - 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 - 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	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (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	Seaside Juniper
L	LARCH
La	Subalpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Py	Ponderosa Pine (yellow)
Pp	Shore Pine (coastal)
Pw	Western White Pine
Pa	Whitebark Pine
Pxj	Jack Pine x Lodgepole Pine hybrid
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sxe	Engelmann x White Spruce hybrid
Sxl	Sitka x White Spruce hybrid
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
E	BALSAM, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
At	Black Cottonwood
Ax	hybrid Poplars
Ae	Trembling Aspen
X	ARBUTUS
Ra	Arbutus
A	BIRCH
Ea	Alaska x Paper Birch
Exg	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
G	CHERRY
Ag	Cascara
V	CHERRY
Vb	Bitter Cherry
Vv	Choke Cherry
C	DOGWOOD
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wr	Pacific Willow (Barclay's)
Wy	Pussy Willow (gray-haired)
Ws	Scouler's Willow
Wt	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

Ux	APPLE
	Apple
Ad	ASPEN, COTTONWOOD or POPLAR
	* Southern Cottonwood
Ae	ASPEN
	European Birch
Ea	Silver Birch (swamp)
Ey	* Yellow Birch
Ux	CHERRY
	* Japanese Cherry
Y	CYPRESS
Yp	* Port Orford Cedar
Bp	* Noble Fir
Bm	* Shasta Red Fir
Bc	* White Fir
Lx	LARCH
Ld	* Dahurian Larch
Ls	* Siberian Larch
	MAPLE
Me	Box Elder
Mr	* Red Maple
Ms	* Sycamore Maple
	OAK
Qe	* English Oak
Qw	* White Oak
	OTHER EXOTICS
Ce	* Incense Cedar
Gs	* Giant Sequoia
Oa	* Black Walnut
Qd	European Mountain Ash
Ge	Siberian Elm (southern)
Ot	* Tree-of-Heaven
Ow	* Chinese Walnut
	PINE
Pm	* Monterey Pine
Pn	* Red Pine
Py	* Sugar Pine
Ps	SPRUCE
Sn	* Norway Spruce
Sh	* Norway Maple
Ma	* Sycamore Maple
	OAK
Qe	* English Oak
Qw	* White Oak
	OTHER EXOTICS
Ce	* Incense Cedar
Gs	* Giant Sequoia
Oa	* Black Walnut
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	PINE
Pm	* Monterey Pine
Pn	* Red Pine
Py	* Sugar Pine
Ps	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 shown to the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the dominant trees. Site curves used for SI estimates differ from age and height, estimated SI is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aremot present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes the estimated site index. Please see Inventory Type Group and SI Estimated source code.

Line 5 Vegetation records

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

NON-TREED SHRUB

s	SHRUB - 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 BRYOID

by	BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
bm	BRYOID - MOSS - bryoid with mosses, liverwrts, and hornwrts > 50% of the bryoid cover.
bl	BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED

xl	Exposed Land
rs	Rock / Rubble
si	Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ba	BEACH	gc	GRAVEL PIT	mu	MUDFLAT SEDIMENT
br	BLOCKFIELD	la	LAVA BED	mw	RUBBLY MINE SPOILS
br	BEDROCK	ll	LANDING	oc	OCEAN
bu	BURNED AREA	ls	POND or LAKE SEDIMENTS	on	OTHER
cb	CUT BANK	mn	MINE or MINE	pn	SNOW COVER
ea	EXPOSED SOILS	mx	MORAINE	ra	RIVER - ESTUARY
gl	GLACIER			rr	RIVER / STREAM

Note: Water categories (ra, oc, re, rl) not labelled over 90 percent coverage.

rm	RESERVOIR MARGIN	SAND	SAND		
rn	RAILWAY SURFACE	TIDE	TIDAL FLAT		
rs	RIVER SEDIMENTS	U	URBAN		
rz	ROAD SURFACE				
ta	TALUS				
ur	URBAN				
ur	URBAN				

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
FP	FOREST PLANT	NPF	NON PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OA	OPEN RANGE	NCBR	NON COMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	S	SWAMP	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

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

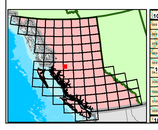
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

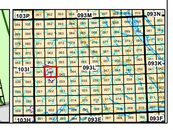
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of 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
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels