092L051

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
092L051

Scale 1:20,000

0 0.25 0.5 0.75 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 contained 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 in Vegetation
- Permanent Sample Plot (SYS)
- Research Installations

TRIM_Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- AirFerries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydr/Anth/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-Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary (< 1,000,000 ha) - Tantalis
- 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:

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CW   1
FDC  2
EPM  3
PF   4
MF   5
SCR  6
```

LINE DESCRIPTION
1. Inventory Label 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. Vegetation Cover - Non-Vegetated and Non-Forest descriptors
   ex. a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
6. Disturbance History & year - ex. Logged in 1978

Line 1 - History Record Opening Number

xxxx - opening number valid for BCGS mapsheet zzzz - 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	BALSAM
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwk	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plci	Lodgepole x Jack Pine hybrid
Py	Lodgepole x Jack Pine Hybrid
Pyc	Ponderosa Pine (yellow)
Pw	Shore Pine (coast)
Pwi	Shore Pine (interior)
Pxj	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	Spruce Hybrid
Sxb	Sitka x White Spruce
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Sxw	White
Ow	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	ASPEN
Ep	Paper Leaf Aspen
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Ad	Black Cottonwood
Ae	Trembling Aspen
Ax	Hybrid Aspen
R	ARBUTUS
Rm	Pacific Madrone
E	BIRCH
Ea	Alaska Paper Birch
Ebp	Alaska Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
K	Cascara
V	CHERRY
Vb	Black Cherry
Vc	Choke Cherry
Vf	Pin Cherry
G	COTONWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
W	Garry Oak
Wg	Oregon Oak
W	WILLOW
Wp	Pacific Willow
Wr	Pacific Willow
Wy	Scouler's Willow
Wyb	Scouler's Willow (sub-boreal)

UNKNOWN - OTHER

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

EXOTICS

U	APPLE
Uw	Apple
Ax	BLACK COTTONWOOD or POPLAR
Ad	Southern Cottonwood
E	BIRCH
Ek	European Birch
Ep	Silver Birch (swamp)
Ey	Yellow Birch
V	CHERRY
Vs	Sweet Cherry
Y	CYPRESS
Yt	Monterey Cedar
F	FIR (Balsam)
Bb	Balkan Fir
Bn	Nikko Fir
Bp	Grandis Red Fir
Bc	White Fir
L	LARCH
Ld	Dahurian Larch
Ls	Siberian Larch
M	MAPLE
Mb	Box Elder
Mn	Norway Maple
Mp	Sycamore Maple
O	OAK
Qe	English Oak
Qw	White Oak
Z	OTHER EXOTICS
Da	Cherry Laurel
Dc	Giant Sequoia
Dd	Coast Redwood
Dm	Manchurian Ash
Do	Siberian Elm (southern)
Dr	Common Pear
Dw	Golden Weeping Willow
Dx	Hybrid Poplar
Dy	Hybrid Willow
Ds	Mountain Ash
Dt	Tree of Heaven
Dx	Japanese Walnut
Pn	PINE
Pm	Monterey Pine
Pr	Red Pine
Ps	Scots Pine
S	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

SI is assigned when suitable SI trees are present, e.g. Regeneration Delay (RD) is 4 years or more and no SI estimate precedes it. Associated fields in the data base are Inventory Type Group and SI Estimated source code.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aren't present, e.g. Regeneration Delay (RD) is less than 4 years and no SI estimate precedes it. Associated fields in the data base are 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
- w - SHRUB LOW

- shrub with average shrub height = or > to two metres.
- shrub with average shrub height < two metres.

NON-TREED HERB
- he - HERB
- hf - HERB - FORBS
- hm - 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 BRYOID
- b - BRYOID
- bm - BRYOID - MOSS
- bl - BRYOID - LICHENS

- bryoid with no distinction between mosses and lichens by cover.
- bryoid with mosses, liverworts, and hornworts > 50% of the bryoid cover.
- bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUD/FLAT SEDIMENT
ar	ROCK	ic	ICE	mw	MUSKEG/WINE SPOILS
br	BEDROCK	l	LAVA BED	oc	OCEAN
cb	CLIFF/TALUS/TALUS	la	LANDING	ot	OTHER
cr	CUTBANK	ls	LAKE SEDIMENTS	rc	RECENT COVER
es	EXPOSED SOILS	mi	OPEN PIT MINE	rs	RESERVOIR
gl	GLACIER	mr	MORAINE	r	RIVER / STREAM

Note: Water categories (ta, oc, r, rs) not identified over 50 percent coverage.

rm	RESERVOIR MARGIN		
rr	RAILWAY SURFACE		
rs	RIVER SEDIMENTS		
ro	ROAD SURFACE		
t	TALUS		
tz	TALUS/S		
ur	URBAN		

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

AF	ALPINE FOREST	NPBR	NON PRODUCTIVE BRUSH	SAND	SAND FLAT
AT	ALPINE FOREST Species	NPMS	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CF	CULTIVATED	NPF	NON PRODUCTIVE FOREST Species		
G	GRASS, BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMERCIAL BRUSH
H	HERBS	P	PASTURE	NCBU	NON COMMERCIAL BURN
M	MEADOW	R	ROCK	NSR	NOT SURVEYED / RESTOCKED
MUD	MUD FLAT	S	SWAMP	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.

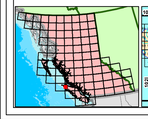
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
D	Insects and Seed Insects	N	Non-Biological Injuries
S	Disease	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

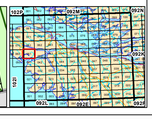
Example Opening History Details

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 SILVICUTURE 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





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