Vegetation Map
093M057

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 - 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 2016).

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Structure Opening in Vegetation
- Permanent Sample Plot (2015)
- Pierced Lakes
- Research Installations

TRIM_Base Features:
- 4a Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Ferries
- Other Area
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolfts-Barriers - ESRI
- Watercourses - ESRI
- Waterbodies - ESRI
- Wetlands - ESRI
- Ocean - ESRI

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 Licences - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary >= 1,000,000 ha (~ 19 % 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 Structure 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 Class / Site Index / Crown Closure Class / Estimated Site Index
ex. stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-10%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Description)
ex. density class is D (21-30% stocked with trees and shrubs and graminoids, shrubs less than 2m.
6 Disturbance History & year - ex. Logged in 1978

Line 1 - History Record Opening Number

OGY - opening number valid for BCGS mapsheet
OGR - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
Layer - Indicates if 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

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)
Bp	Pacific Fir
Hw	Western Hemlock
Hm	Mountain x Western Hemlock hybrid
Hmm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jf	Rocky Mtn. Juniper
Jh	Seaside Juniper
L	LARCH
Lw	Alpine Larch
Lt	Tamarack
Ll	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Pli	Lodgepole Pine (coastal)
Plj	Lodgepole x Jack Pine hybrid
Pa	Whitebark Pine
Pf	Shore Pine (coastal)
Pw	Western White Pine
Pxj	Limber x Jack Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sxl	Spruce hybrid
Sxw	Engelmann x White
Sxs	White x Sitka
Sxh	Sitka x unknown hybrid
Ty	YEW
Tw	Western Yew

NATIVE HARDWOODS

A	ALDER
At	Red Alder
V	APPLE
Vc	Pacific Crab Apple
Ac	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
Aw	Trembling Aspen
E	ARBUTUS
Ra	Arbutus
Pa	ASH
Fpr	Pumpkin Pear Birch
Fpp	Pumpkin Pear Birch hybrid
Fp	Paper Birch (white)
Fpc	Cherry Birch
C	CascaraCascara
Fd	Cascara
Ep	Bitter Cherry
Ye	Choke Cherry
Yp	Pin Cherry
Ds	DOGWOOD
Dp	Pacific Dogwood (western flowering)
Mv	MAPLE
Dw	Rayleaf Maple (broadleaf)
Mb	Vine Maple
Qg	OAK
Gy	Garry Oak
Rb	WILLOW
Bb	Bebb's Willow
Rh	Hooker Willow
Rm	Peachleaf Willow (thinleaf's)
Rd	Pussy Willow (grey leaved)
Rs	Sitka Willow
Rw	Willow (other tree leaved)

UNKNOWN - OTHER

x	unknown
xc	unknown conifer
xh	unknown hardwood
xs	unknown shrub (not tall)
xt	tree (unknown)
xx	other hardwood

EXOTICS

Ae	APPLE
Ap	Paradise Apple
Aw	ASPEN, COTTONWOOD or POPLAR
Aw	Trembling Aspen (Cultivated)
Be	BIRCH
Ew	European Birch
Pdu	Purple Leaved Birch
Pyu	Yellow Birch
Yc	CHERRY
Ycs	Schmidt's Cherry
Y	CYPRESS
Yo	*Kind Orford Cedar
Yn	*Nootka Cypress
Bp	*Balsam Fir
Bn	*Noble Fir
Bm	*Shasta Red Fir
Bv	*Veitch Fir
L	LARCH
Lk	*Dahurian Larch
Le	*European Larch
M	MAPLE
Mr	Box Elder
Mn	*Norway Maple
Mp	*Sycamore Maple
Qa	OAK
Qw	*White Oak
Qx	OTHER EXOTIC
Ox	*Other Conifer
Ow	*Other Deciduous
Ew	European Mountain Ash
Ep	*Northern Rowan
Cp	Common Pear
Og	Oregon Ash
Ol	*Russian Olive
Lt	*Wingnut/s Hickory
Qi	Tree-of-Heaven
Ut	*Japanese Walnut
P	PINE
Pm	*Monterey Pine
Pp	*Ponderosa
Pw	*Scots Pine
Sn	*Norway Spruce

Line 4

4a: AGE CLASS

CODE	LIMITS (years)
1	1-20
2	21-40
3	41-80
4	81-100
5	101-120
6	121-140
7	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
9	65.5 +

4c: CROWN CLOSURE CLASS

CODE	LIMITS (percentage)
0	0 - 5
1	6 - 10
2	11 - 20
3	21 - 25
4	26 - 30
5	31 - 40
6	41 - 50
7	51 - 60
8	61 - 70
9	71 - 80
A	81 - 100

4d SITE INDEX
Based on height of the 10 largest trees referenced at 50 years Breast height age. SI is based on the age and height of the leading species. When an accurate SI cannot be obtained from the site, a estimated SI is shown after an asterisk (ex. 15*).

4e. ESTIMATED SITE INDEX
Estimated site index is used when a reference period present, e.g. young stands (<50yrs). For this attribute a stand which always provides 0. 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
- SB 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.
- Hg HERB - GRAMINOIDS - herb with forbs < 50% of the herb cover.
- Hg HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

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

NON-VEGETATED CATEGORIES (for V and I records)

ab	ASPECT	gl	GRAVEL PIT
ac	ROCK	gr	GRAVEL
bl	BLOCKFIELD	l	LAVA BED
br	BOULDERS	la	LAKE
ba	BURNED AREA	ls	ROCK in LAKE SEDIMENTS
cb	CUTBANK	sp	OPEN PIT MINE
cs	CONSOLIDATED SOILS	w	MOONSCAPE
gl	GLACIER		

mi	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
mp	PUBLIC MINE SPOILS	rs	RESERVOIR SURFACE
mr	OCEAN	rv	RIVER SEDIMENTS
ms	SEDIMENT	ss	SALT SURFACE
sn	SNOW COVER	ta	TALUS
re	RESERVOIR	tl	TAILINGS
rf	RESERVOIR FARM	ts	TIDAL FLAT

Note: Water categories (la, ls, re, rv) not selected over SI gendrm coverage.

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

A	ALPINE	SAND	SAND
AF	ALPINE FOREST (Species	TIDE	TIDAL FLAT
BY	BRYOID	WAT	WATER
CL	CLAY BANK		
GP	GRAVEL PIT	NC	NON-COMMERCIAL
GR	GRAVEL PIT	NCBR	NON COMMERCIAL BRUSH
L	LAKE	NCBR	NON COMMERCIAL BRUSH
M	MEADOW	NSR	NOT SUITABLY RESTOCKED
MUD	MUDFLAT	NTA	NO TYPING AVAILABLE
		OMM	OMINECA MOUNTAIN
		PAR	PARKLAND
		RIV	RIVERINE
		SBAP	SUBALPINE
		SBAR	SUBARCTIC
		SBPS	SUBBOREAL PINE - SPRUCE
		SBS	SUBBOREAL SPRUCE
		SWB	SWAMP

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.

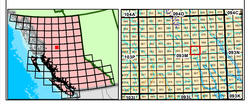
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

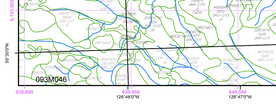
Example Opening History Details

Detailed Silviculture information is available on the BCGW
MAPVIEW application. The MapView example is
of thematic 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