0921055

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
0921055

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 / Terrain

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 reviewed June 2014).

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM. Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf ormes
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Ice-Barriers - ESM
- Waterc ourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- REF - 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 (if > 2,000,000 ha - 15 % hatch)
- Municipal boundary (if < 2,000,000 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 Inventory Type Group and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
ex. the most important layer is described as Fd (Douglis Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator - Site Index (estimated 5)
ex. a 141-250 year old stand, 22 - 30 metres high, 26 - 35 % crown closure class 1 (6-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Description)
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

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
A, ... designates/identifies 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
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine hybrid
Pli	Lodgepole Pine (coastal)
Pla	Shore Pine (coastal)
Pli	Lodgepole Pine (interior)
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce Hybrid
Sxe	Engelmann x White
Sxs	Sitka x White
Sxx	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dm	Mountain Alder
Up	Pacific Crab Apple
At	TREMBLING ASPEN/COTTONWOOD or POPLAR
Ac	Poplar
Ae	Balsam Poplar
Act	Black Cottonwood
Ax	Hybrid Poplars
Ep	Trembling Aspen
R	ARBUTUS
Rm	Arbutus
Ay	Alder
Ea	Alaska Paper Birch
Ew	Paper Birch x Alaska Hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Kc	Cascara
V	WILLOW
Vb	Bebb Cherry
Vc	Choke Cherry
Vf	Fire Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gb	Garry Oak
Q	Oak (white)
W	Willow
Wa	Scouler's Willow
Ww	Peachleaf Willow (Barrette's)
Wp	Pacific Willow (Barrett's)
Wr	Bebb's Willow
Wt	Sitka Willow (low-forward)

UNKNOWN - OTHER

X	unknown hardwood
Xi	unknown conifer
Xh	unknown broadleaf
Z	OTHER (deal not on list)
Zz	other conifer
Zz	other hardwood

EXOTICS

	APPLE
Ua	Apple sp.
	ASPEN, COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
Ae	Poplar
Ey	European Birch
Ey	Silver Birch (swamp)
Ey	Weeping Birch
	CHERRY
Ye	*European Cherry
	CHINESE
Uc	*Chinese Scholar
	FIR (Balsam)
Bs	*Balsam Fir
Bn	*Nikko Fir
Bp	*Sharpy Red Fir
Bo	*White Fir
	LARCH
Ld	*Dahurian Larch
Le	*European Larch
	MAPLE
Mr	Red Maple
Mk	*Norway Maple
Mk	*Sycamore Maple
	OAK
Qe	*English Oak
Qe	*White Oak
	PINE (EXOTICS)
Ca	*Corsican Pine
Cs	*Scot's Pine
Pm	*Mugo Pine
Pe	*European Mountain Ash
Pe	*European Mountain Ash (Rowan)
OF	Common Pool
OF	Ornamental
Uk	*White Ash
O	*Shagbarck Hickory
Ok	*Japanese Oak
Ok	Japanese Walnut
	PINE
Pm	*Lodgepole Pine
Pm	*Red Pine
Ps	*Scots Pine
	SPRUCE
	*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 - 27.4
4	28.5 - 37.4
5	37.5 - 48.4
6	48.5 - 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 is shown in the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the dominant and co-dominant trees in the uppermost layer. If inventory age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX*

SI is estimated when a conifer SI trees were present, e.g. young stands (<100yrs). It is denoted by a asterik which always follows the SI number. Estimated SI is based on Site Series Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

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

W	**SHRUBS**	
s	SHRUB HIGH	- shrub with average shrub height > or = to 2m. metres.
w	SHRUB LOW	- shrub with average shrub height < two metres.
H	**NON-TREED HERB**	
h	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

B	BRYOID	- bryoid with no distinction between mosses and lichens by cover.
bm	BRYOID - MOSS	- bryoid with mosses, hornworts, and liverworts > 50% of the bryoid cover.
bl	BRYOID - LICHEN	- bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ab	AIRPORT	b	GRAVEL PIT	mp	MUD/FLAT SEDIMENT
be	BEACH	b	LAKE	mq	RUBBLY MINE SPOILS
bl	BOULDERFIELD	b	LAKE BED	mr	ROAD
bl	BOULDERS	b	LAGOON	mr	ROAD SURFACE
bu	BURNED AREA	b	POND or LAKE SEGMENTS	pf	SNOW COVER
cl	CLIFF	b	RIVER or STREAM	sl	SLIDE/SLIP
cs	CRYOSOLS SOILS	b	RIVER / STREAM	u	URBAN
d	DUNE				

Note: Water categories (b, ec, re, ri) not labelled over 90 percent coverage.

NON - FOREST / NON-PRODUCTIVE DESCRIPTIONS CODES (for I records)

A	ALPINE	NB	NON-BROWSE	SAND	SAND
AF	ALPINE FOREST (Species	NFBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CLIFF	NFL	NON PRODUCTIVE LOW	U	URBAN
CL	CLAY BANK	NFT	NON PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
I	ICEFIELD	R	ROCKLAND	NF	NON FOREST (BRUSH)
IC	ICEFIELD	S	SNOWFIELD	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MSC	MUSKEG	R	RUBBLE	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

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

A	Animal Damage	L	Logging
B	Wildfire	M	Site Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seedling Fungal Pathogens
I	Unknown		
		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. To view "Results" data, select the "Cutblocks - Silviculture Map" to turn on display values for -

OPENING
OPENING LABELS
OPENING / TREATING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WELDFIRE TREE PATCH

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