093L012

Vegetation Map
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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 2014)

Labels Projected To: January 1, 2018

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Siviculture Opening in Vegetation
- Permanent Sample Plot (2YS)
- Research Installations

TRIM, Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Aw/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RV 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:

Cd Ep Fd Hw 2Yr 75 Cd 70

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 (Douglis 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 Opeing Number

'OP' - opening number valid for BCGS mapsheet 'OOP' - 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 dataed January 2009.

NATIVE CONIFERS		NATIVE HARDWOODS		EXOTICS	
C	CEDAR	D	ALDER		APPLE
Cw	Western Red Cedar	Dr	Red Alder	Ua	Apple
Y	CYPRESS	U	APPLE		ASPEN, COTTONWOOD or POPLAR
Yc	Yellow Cedar	Ue	Pacific Crab Apple	Act	*Northern Cottonwood
F	DOUGLAS FIR	A	ASPEN, COTTONWOOD or POPLAR		BIRCH
Fd	Douglas Fir	Ac	Poplar	Ea	European Birch
Fdc	Coastal Douglas Fir	Act	Balsam Poplar	Es	Silver Birch (swamp)
Fdi	Interior Douglas Fir	Acf	Black Cottonwood	Ey	*Yellow Birch
B	FIR (Balsams)	At	Trembling Aspen		CHERRY
Ba	Amabilis Fir	Ax	Trembling Aspen	Vs	Sweet Cherry
Bg	Grand Fir	R	ARBUTUS		CYPRESS
Bl	Subalpine Fir (alpine)	Ra	Arbutus	Yp	*Port Orford Cedar
H	HEMLOCK	B	BIRCH		FIR (Balsams)
Hm	Mountain Hemlock	Ea	Alaska Paper Birch	Bb	Noble Fir
Hw	Western Hemlock	Epa	Alaska x Paper Birch hybrid	Bp	Noble Fir
Hwm	Mountain x Western Hemlock hybrid	Ep	Paper Birch (white)	Bm	*Shasta Red Fir
J	JUNIPER	Ew	Water Birch	Bi	Subalpine Fir
J	Rocky Mtn. Juniper	K	CASCARA		LARCH
Js	Seaside Juniper	Kc	Cascara	Ld	*Dahurian Larch
L	LARCH	V	CHERRY	Lo	*Siberian Larch
La	Alpine Larch	Vb	Bitter Cherry		MAPLE
Lt	Tamarack	Vc	Choke Cherry	Mb	Box Elder
Lw	Western Larch	Vp	Pin Cherry	Mh	*Norway Maple
P	PINE	G	DOGWOOD	Ms	*Sycamore Maple
Pj	Jack Pine	Gp	Pacific Dogwood (western flowering)		OAK
Pl	Lodgepole Pine	M	MAPLE	Oc	*English Oak
Pli	Lodgepole Pine (interior)	Mb	Bigleaf Maple (broadleaf)	Or	*Red Oak
Plc	Lodgepole Pine (coast)	Mv	Vine Maple		OTHER EXOTICS
Pw	Western White Pine	Wb	Bebb's Willow	Oa	*Incense Cedar
Py	Ponderosa Pine	Wp	Pacific Willow	Ot	European Mountain Ash
S	SPRUCE	Ww	Peachleaf Willow (Scouler's)	Ow	Siberian Elm (southern)
Sb	Black Spruce	Wr	Pussy Willow (gray-leaved)	Og	Oregon Ash
Se	Engelmann Spruce	Ws	Scouler's Willow	Qa	*White Ash
Ss	Sitka Spruce	Wt	Sitka Willow (tea-leaved)	Qi	*Shagbark Hickory
Sw	White Spruce		UNKNOWN - OTHER	Qg	*Garry Oak
Sx	Spruce hybrid	X	UNKNOWN	Qk	Japanese Walnut
Sxw	Engelmann x White	Xc	unknown conifer		PINE
Sxl	Sitka x White	Xh	unknown hardwood	Pm	*Monterey Pine
Sxs	Sitka x unknown hybrid	Z	OTHER (tree not on list)	Pr	*Red Pine
Ss	Scots Pine	Zc	other conifer	Ps	*Scots Pine
Te	Western Yew	Zh	other hardwood		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 leading species. When an accurate SI cannot be obtained from age and height, estimated SI is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees annot present, e.g. young stands (<30yrs). It is denoted by a slash which always 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
- sl SHRUB TALL - shrub with average shrub height > or = to two metres.
- ss SHRUB LOW - shrub with average shrub height < two metres.

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 gaminoids > 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, liverworts, and hornwarts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED
- ve Exposed Land
- ro Rock / Rubble
- sn Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap AIRPORT	gp GRAVEL PIT	mu MUDFLAT SEDIMENT	rm RESERVOIR MARGIN
b BARREN	m MINE	mp MINE SPOILS	rp RESERVOIR MARGIN
bl BLOCKFIELD	lk LAKA BED	oc OCEAN	rs RIVER SEDIMENTS
br BEDROCK	l LANDING	ot OTHER	rd ROAD SURFACE
bu BURNED AREA	la POND or LAKE SEDIMENTS	sn SNOW COVER	ta TALUS
cb CUTBANK	mi OPEN PIT MINE	re RESERVOIR	ti TAILINGS
ct CUTBANK TOOLS	mn MORAINE	r RIVER / STREAM	ur URBAN
gl GLACIER			

Note: Water categories are not satisfied over 90 percent coverage.

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

A ALPINE	NP NON PRODUCTIVE	SAND SAND	
AT ALPINE TREE FOREST (Species	NPBR NON PRODUCTIVE BRUSH	SF SALT FLAT	
C CULTIVATED	NPBU NON PRODUCTIVE BURN	U URBAN	
CL CLAY BANK	NPF NON PRODUCTIVE FOREST (Species		
G GRAVEL BAR	NTA NO TYPING AVAILABLE	NC NON COMMERCIAL	
GP GRAVEL PIT	OR OPEN RANGE	NCBR NON COMERCIAL BRUSH	
ICE ICEFIELD	OF OPEN FIELD	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 preceded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

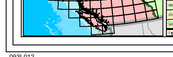
A Animal Damage	L Logging	R Site Rehabilitation	
B Wildfire	M Mite Damage	T Treatment Injuries	
C Cone and Seed Insects	N Non-Biological Injuries	U Damage Unknown	
D Diseases	P Cone and Seedling Fungal Pathogens	V Problem Vegetation	
I Insects			

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 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