093G022

Vegetation Map
093G022

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

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
- Siviculture Opening in Vegetation
- Permanent Sample Plot (VRI)
- Research Installations

TRIM_Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Helips
- Other Lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Nav/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

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

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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 (Dougls Fir) and Hw (Western Hemlock).
4  Age, Height, Crown Closure Class Code - separator  Site Index / estimated SI
5  Vegetation Cover Code - separator  Density Class (1-10.4m), crown closure class 1 (6-15%), SI 20m
6  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
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Line 1 - History Record Opening Number

OS# - opening number valid for BCGS mapsheet XXX# - 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
Cy	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Bg	Amabilis Fir
Bl	Subalpine Fir
Bi	Subalpine Fir (alpine)
H	HEMLOCK
Hw	Western Hemlock
Hm	Western Hemlock
Hmm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Spreading Juniper
L	LARCH
La	Alpine Larch
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Pxj	Lodgepole x Jack Pine hybrid
Pli	Lodgepole Pine (Inland)
Pm	Shore Pine (coastal)
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sxs	Sitka Spruce
Sx	Spruce hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

E	ALDER
Dr	Red Alder
Ua	MAPLE
Ma	Pacific Crab Apple
A	ASPEN; COTTONWOOD or POPLAR
At	Poplar
Act	Balsam Poplar
Ae	Trembling Aspen
Ax	Hybrid Poplars
Al	Trembling Aspen
Ep	Black Poplar
Ala	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
D	DOGWOOD
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vi	Pin Cherry
W	WILLOW
Wa	Pacific Willow
Wb	Bebb's Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Barclay's)
Wr	Scouler's Willow (Mackenzie Hareleaf)
Ws	Scouler's Willow
Wf	Sitka Willow (late leaved)

UNKNOWN - OTHER

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

EXOTICS

Ua	APPLE
	Apple
Aa	ASPEN, COTTONWOOD or POPLAR
Aal	*Southern Cottonwood
	BIRCH
Ea	European Birch
Ex	Silver Birch (swamp)
Ev	Silver Birch
	CHERRY
Vs	Sweet Cherry
	FIR (Balsam)
Bb	*Fort Gilford Cedar
	FIR (Balsam)
Bp	*Nikko Fir
Bpn	*Noble Fir
Bm	*Shasta Red Fir
Bc	*White Fir
	LARCH
Ld	*Dahurian Larch
Lk	*Siberian Larch
	MAPLE
Mk	Box Elder
Mr	*Norway Maple
Ms	*Sycamore Maple
OAK	
Qe	*English Oak
Qw	*White Oak
	OTHER EXOTICS
Ox	*Incense Cedar
Ob	*Giant Sequoia
Oy	*Dawn Redwood
Oa	*Japanese Mountain Ash
Oe	Siberian Elm (caucheni)
Of	Common Pear
Oc	*Mountain Ash
Oh	*White Ash
Or	*Shagbark Hickory
Ot	*Basswood
Ok	Japanese Walnut
	PINE
Pn	*Monterey Pine
Pr	*Red Pine
Pp	*Ponderosa Pine
	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 and co-dominant trees that are not stressed by both age and height, estimated SI is known after, or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aannot present, e.g. young stands (<30y.rs). It is denoted by a slash which always precedes and follows the estimate (i.e. /23/). Data are Inventory Type Group and SI Estimated source code.

Line 5 Vegetation records

VEGETATED NON-TREE CATEGORIES *(for V and I record*s)

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

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

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

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	l	LAKE	mz	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lb	LAVA BED	oc	OCEAN
br	BOULDERS	lk	LAKE	or	RESERVOIR MARGIN
bu	BURNED AREA	m	POND or LAKE SEDIMENTS	ow	RAILWAY SURFACE
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
dl	DISTURBED SOILS	mn	MORAINE	r	RIVER / STREAM
g	GLACIER(S)				

Note - Water categories (lk, m, re, r) not labelled over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES *(for F recor*ds)

A	ALPINE	NP	NON PRODUCTIVE
B	BOG / TREED FOREST /Species	NPBR	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species
G	GRASS / HERB	NPL	NON PRODUCTIVE-SEALABLE
GB	GRAVEL PIT	OR	OPEN RANGE
ICE	ICEFIELD	P	HAYFIELD
M	MEADOW	R	ROCK
MUD	MUDFLAT	S	SWAMP
SAND	SAND		
SF	SALT FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NSR	NOT SUFFICIENTLY RESTOCKED		
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
B	Wildfire	M	Mite Damage
C	Insects 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 Forest Cover Opening Map. The MapView example is of thinned 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
SILVICULTURE PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH

Overflow Labels

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