093H066

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093H066

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, 2016

MAP SYMBOLOGY

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

TRIM_Base Features :
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Helipds
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolks/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- AVI 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 - (6 % 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 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 81-100 years (7) 41-60 m height class 1 (0.1-10.4m), crown closure class 1 (6-15%), SI 20m
5 Vegetation Type (Non-Forest) - separator (Descriptive Description)
6 Enclosed polygon with non-commercial between trees and graminoids, shrubs less that 2m.
7 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

OXX - opening number valid for BCGS mapsheet
XXXX - 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 - EC 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

E	CEDAR
Cw	Western Red Cedar
Yc	YELLOW
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
Hwm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mt. Juniper
Js	Seaside Juniper
L	LARCH
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Coastal Lodgepole Pin
Pli	Interior Lodgepole Pine
Plc-Pli	Lodgepole Pine (interior)
Pla	Lodgepole x Jack Pine hybrid
Pli-Pla	Lodgepole x Jack Pine
Pp	Shore Pine (coast)
Pw	Western White Pine
Py	Ponderosa Pine
Sx	SPRUCE
Se	Engelmann Spruce
Sxw	Engelmann x White
Ss	Sitka Spruce
Sxs	Sitka x Engelmann Spruce hybrid
Sxw	Engelmann x White
Sw	White Spruce
Sxl	Sitka x unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

A	ALDER
Dr	Red Alder
Sa	Sitka Alder
At	Pacific Cold Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Aspen
Act	Trembling Aspen
Ad	Black Cottonwood
Ae	Balsam Poplar
At	Trembling Aspen
R	ARBUTUS
Ra	Arbutus
B	BIRCH
Ea	Alaska Paper Birch
Ep	Alaska Paper Birch hybrid
Ep	Paper Birch
Ew	Water Birch
Ey	Yellow Birch
C	CHERRY
Cb	Bitter Cherry
Cc	Choke Cherry
Cp	Pin Cherry
Cv	Chokecherry
Cw	Pacific Dogwood (western flowering)
D	DOGWOOD
M	MAPLE
Mb	Broadleaf Maple (broadleaf)
V	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wa	Acute Willow
Wp	Pacific Willow
Wr	Peachleaf Willow (Bentley's)
Ws	Scouler's Willow (Hooker)
Wv	Scouler's Willow
Wf	Sitka Willow (tea-leaved)

UNKNOWN / OTHER

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

EXOTICS

Ux	APPLE
	Apple
Ax	ASPEN, COTTONWOOD or POPLAR
Ae	Northern Cottonwood
	BIRCH
Ea	European Birch
Ep	Gray Birch (exotic)
Ey	Yellow Birch
	CEDAR
Yc	Nootka Cypress
	CYPRESS
Yp	Monterey Cedar
	FIR (Western)
Bb	*Balkan Fir
Bn	*Nikko Fir
Bm	*Shasta Red Fir
Bc	*White Fir
	LARCH
Ld	*Dahurian Larch
Lo	*Siberian Larch
	MAPLE
Mb	Box Elder
Mr	*Norway Maple
Ms	*Sycamore Maple
	OAK
Qe	*English Oak
Qn	*Red Oak
	OTHER EXOTICS
Dc	*Incense Cedar
Dm	*Monkey Puzzle
Dp	*Coast Redwood
Df	Common Pear
Dw	*Weeping
Dy	*White Ash
Ot	*Shagbark Hickory
Ob	*Black Walnut
Oj	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Ps	*Sugar Pine
	SPRUCE
Sn	*Norway Spruce

Line 4

4a AGE CLASS

CODE	AGE (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	HEIGHT (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	CLOSURE (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

Site Index is based on 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

Estimated Site Index is based on the species and ecosite almost present; e.g. (Hw/04 Blueberry-Hylocomium). 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)

s	SHRUB	- shrub with average shrub height > or = to two metres.
t	SHRUB TALL	
d	SHRUB LOW	- shrub with average shrub height < two metres.

NON-TREED HERB

h	HERB - HERBACEOUS - herb with no distinction between forbs and graminoids.
w	HERB - FORBS - herb with forbs > 50% of the herb cover.
g	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 Y and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
b	BEACH	l	LAKE	ms	MUSKEG / MARSH
bl	BLOCKFIELD	lk	LAVA BED	oc	OCEAN
br	BEDROCK	la	LANDING	of	OTHER
cl	CLEARING/AREA	ls	LANDSLIDE SEDIMENTS	ot	OTHER COVER
cb	CUTBANK	mi	OPEN PIT MINE	r	RESERVOIR
es	EXPOSED SOILS	mo	MORAINE	r	RIVER / STREAM
gl	GLACIER				

Note: Water categories (a, ea, re, ri) not labelled over 50 percent average.

rm	RESERVOIR MARGIN
rs	RIVER SEDIMENTS
s	ROAD SURFACE
sa	SAND
tl	TAILINGS
u	URBAN

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

A	ALPINE			BAND	SAND
AF	ALPINE FOREST (Species)	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
D	DUGOUT	NPBR-ST	NON PRODUCTIVE BRUSH-ST (Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
L	LAKE	R	ROCK	NF	NON FORESTED
M	MEADOW	S	SEDGE	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUDFLAT	S	SWAMP	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

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

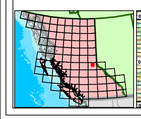
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mine Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The Map View 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
SILVICULTURE TREATMENT ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



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CARIBOO DISTRICT

Overflow Labels

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