BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093L055

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
- Structure Opening in Vegetation
- Permanent Sample Plot (GYS)
- Research Installations

TRIM: Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Ice/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

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 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:

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 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

OXX - 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 dataed January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
Fd	DOUGLAS FIR
Fdi	Douglas Fir
Fdc	Coastal Douglas Fir
Fdf	Interior Douglas Fir
B	FIR (Balsam)
Ba	Balsam Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwk	Hw x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sealcide Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodge Pine
Plc	Lodgepole Pine (interior)
Plci	Lodgepole x Jack Pine hybrid
Pp	Ponderosa Pine (yellow)
Ps	Shore Pine (coast)
Pw	Western White Pine
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxw	Spruce hybrid
Sxl	Sitka x Alpine
Sxl	Sitka x White
Sxl	Sitka x unknown hybrid
Ss	Scots Pine
Te	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
Act	Black Cottonwood
Av	hybrid Poplars
At	Trembling Aspen
R	ARBUTUS
Ra	Arbutus
E	ELM
Ea	Alaska+Paper Birch
Eap	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	DOGWOOD
Kc	Cascara
V	CHERRY
Vm	Black Cherry
Vv	Choke Cherry
Vp	Pin Cherry
Z	DOGWOOD
Zp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Q	Garry Oak
W	WILLOW
Wb	Black Willow
Wp	Pacific Willow
Wrk	Peachleaf Willow (Bandaly's)
Wrl	Pussy Willow (gray-leaved)
Wsl	Sitcadh's Willow
Wy	Hooker's Willow (yellowish)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xl	other (not alive or not list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Y	APPLE
Ya	Apple
Ut	ASPEN, COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
	BIRCH
Ea	European Birch
Ep	Paper Birch (exotic)
Ev	*Yellow Birch
	CHERRY
Vi	*Bird Cherry
	CYPRESS
Yp	*Port Orford Cedar
	ELM
Em	*Siberian Elm
Ep	Noble Fir
Bm	*Shasta Red Fir
Bo	*White Fir
	LARCH
Lsi	*Siberian Larch
Lk	Dahurian Larch
Mb	Box Elder
Mh	*Norway Maple
Ms	*Sycamore Maple
Oa	Oak
Oe	*English Oak
Ow	*White Oak
	OTHER EXOTICS
Ob	*Horse Chestnut
Os	*Giant Sequoia
Or	*Coast Redwood
Ofm	*Oregon Ash/Modesto Ash
Ose	Siberian Elm (southern)
Ot	Common Pear
Ofl	Oregon Ash
Ow	*White Ash
Ow	*Shagbark Hickory
Cl	Tree-of-heaven
Ok	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pn	*Red Pine
Pr	*Pitch Pine
Pi	Stone Pine
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
SI 00 are shown to the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the dominant species in the polygon. Site Index curves are based on stand age and height, estimated SI is shown after or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees cannot present, e.g. young stands (<30yrs). It is denoted by a leadn etrich always followed by the estimated species. Site Index values 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.
- sy SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- hf HERB - FORBS - herb with no distinction between forbs and graminoids.
- hg HERB - GRAMINOIDS - herb with gammoids > 50% of the herb cover.

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

NON-VEGETATED
- el Exposed Land
- ro ROCKS
- si Snow / Ice

NON-VEGETATED CATEGORIES (for U and I records)

ea	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
bk	BEACH	lk	LAKE	mp	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lv	LAVA BED	oc	OCEAN
bc	BEDROCK	mc	MINE	ro	ROCKS
bm	BOG/MARSH AREA	s	SAND ON LAKE SEDIMENTS	pr	SNOW COVER
cu	CUTBANK	ns	OPEN PIT MINE	re	RESERVOIR
ex	EXPOSED SOILS	mr	MORAINE	r	RIVER / STREAM
gl	GLACIER				

rm	RESERVOIR MARGIN		
rw	RAILWAY SURFACE		
sd	SEDIMENT SEDIMENTS		
sr	ROAD SURFACE		
tp	TALUS		
ts	TAILINGS		
ur	URBAN		

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

Note: Water categories (ls, ss, ow, r) not labelled over 90 percent coverage.

A	ALPINE	NPBR	NON-PRODUCTIVE BRUSH			SAND	SAND
AF	ALPINE FOREST Species	NPBU	NON-PRODUCTIVE BURN			SIZE	TIDAL FLAT
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN			U	URBAN
CL	CLEARCUT	NPF	NON-PRODUCTIVE FOREST Species				
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE			NC	NON COMMERCIAL
GR	GRASSLAND	P	PRODUCTIVE			NCBR	NON COMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD			NP	NON PRODUCTIVE
M	MEADOW	R	ROCK			NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUDFLAT	S	SWAMP			NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code preceeded 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	Mechanical	S	Silviculture
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 MAP/VIEW 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
SILVICULTURE
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH

Overflow Labels