Vegetation Map
093L040

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

TRIM, Base Features:
- As Built Roads
- Forest Service Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeat-Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

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

	DESCRIPTION
0	1. Silviculture symbol and Opening Number
0	2. Polygon Number and multi-layer stand indicator (L)
E30	3. Species Composition
Fd 70 Hw 30	4. Age, Height, Crown Closure Class - separator - Site Index / easting/ha
67-5	ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-15%), SI 20m
0	5. Vegetated Density Class (or Non-Forest/Productive Descriptor)
G20	ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
	6. Disturbance History & year - ex: cogged in 1979

Line 1 - History Record Opening Number

`0nnn` - opening number valid for BCGS mapsheet `0nnn` - 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	YEW
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (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
Js	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole x Jack Pine hybrid
Pp	Ponderosa Pine (yellow)
Pc	Shore Pine (coast)
Pw	Western White Pine
Pxj	Western x Jack Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxe	Spruce hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x Lutz x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

A	ALDER
D	Red Alder
U	APPLE
Ax	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
Ae	Trembling Aspen
Ai	Balsam Poplar
Ep	ARBUTUS
E	BIRCH
Ew	Western Paper Birch
Ewp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Er	Red Birch
K	CASCARA
Kc	Cascara
Dw	DOGWOOD
Vc	Choke Cherry
Vp	Pin Cherry
G	GOOSEBERRY
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broadleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bonnby's)
Ww	Pussy Willow (grey-leaved)
Wy	Sitka Willow
Wr	Sitka Willow (blue-leaved)

UNKNOWN - OTHER

X	UNKNOWN
xh	unknown hardwood
xc	OTHER (has not or lost its)
xs	unknown shrub
Zh	other hardwood

EXOTICS

Ae	Apple
Ap	ASPEN, COTTONWOOD or POPLAR
Act	Black Cottonwood
Be	BIRCH
Ea	European Birch
Ekw	Kashmir (Himalayan)
Ey	Yellow Birch
Cs	CHERRY
Cs	Sweet Cherry
Cv	Hybrid
Cy	Pin/ Chokel Cherry
Fr	FIR (Balsam)
Fg	Grand Fir
Bkl	Noble Fir
Bm	*Shasta Red Fir
Bv	Veitch Fir
L	LARCH
Ld	*Dahurian Larch
Le	European Larch
Lk	HAZEL
Mk	Box Elder
Mn	Norway Maple
Mo	*Dynamore Maple
OAK	
Oq	English Oak
Ow	White Oak
OTHER EXOTICS	
Ag	Giant Sequoia
Gs	*Giant Sequoia
Gr	*Coast Redwood
Ga	Green Ash/ Red Ash
Gp	Blue Ash (southern)
Gt	Common Pear
Pe	Callery Pear
Pc	*White Ash
Pn	*Norway Pine
Pm	Scots Pine
Pa	*Sugar Pine
SPRUCE	
Sn	*Norway Spruce

Line 4

4a. AGE CLASS

CODE	LIMITS (years)
1	0-20
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 - 9.9
2	10.0 - 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
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 for 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. Site index is derived from age and height, estimated SI is shown after or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when subplot SI trees cannot present, e.g., young stands (<30yrs). It is denoted by a slash which always precedes the estimated site index value. Site trees 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
- d SHRUB TALL - shrub with average shrub height > or = to two metres.
- s 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
- bs 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)

ae	AIRPORT	gp	GRAVEL PIT
ar	ROCK	ic	ICE CAP
bl	BLOCKFIELD	la	LAKE
br	BEDROCK	li	LANDING
cb	CLIFF/ROCK BANDS	ls	LAKE/LAKES SEDIMENTS
cu	CUTBANK	mi	OPEN PIT MINE
es	EXPOSED SOILS	mn	MORAINE
gr	GLACIER	mp	MUDFLAT SEDIMENT
		ms	MUSKEG/MUSKEG SPOILS
		oc	OCEAN
		ot	OTHER
		pc	PERMANENT SNOW/ICE
		rs	RESERVOIR
		ri	RIVER / STREAM

rm	RESERVOIR MARGIN
rp	RIVER/STREAM BARS
rs	RIVER SEDIMENTS
rd	ROAD SURFACE
sa	SALT
tl	TALINGS
ur	URBAN

Note: Water categories (la, ls, ri) not labelled over 50 percent coverage.

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

AF	ALPINE FOREST	SAND	SAND
AFP	ALPINE FOREST (Species Mix)	NPBR	NON-PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN
G	GRASSLAND	NPLO	NON-PRODUCTIVE LOGGED (Species)
GR	GRAVEL BAR	NTA	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
I	ICEFIELD	R	RECENTLY LOGGED
K	KRUMMHOLZ	ROCK	ROCK
MUD	MUDFLAT	S	SWAMP
		TIDE	TIDAL FLAT
		U	URBAN
		NC	NON-COMMERCIAL
		NCBR	NON COMMERCIAL BRUSH
		NSR	NON-STOCKED
		NSR	NOT SUFFICIENTLY RESTOCKED
		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.

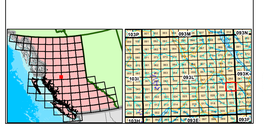
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either AIF 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. Under "Map Layers" click on "Forest Cover Display - Silviculture Map" to turn on display values for:

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
SILVICULTURE SURVEY UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



Overflow Labels