Vegetation Map
093B061

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, 2016

MAP SYMBOLOGY

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

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

Administrative Boundaries:
- BC Provincial Boundary
- DPI MRO Region boundary
- Resource District boundary - FADM
- BC 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 (< 1:500,000 ha - 15 % hatch)
- Municipal boundary (> 1:500,000 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
4	Age, Height, Crown Closure for layer is described as Fd (Douglis Fir) and Hw (Western Hemlock). Age, Height, Crown Closure Class Code - separator Site Index / estimated SI ex: stand is age class 2 (21-40 yrs), height class 1 (1.1-10.4m), 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 than 2m.
6	Disturbance history & year - ex: Logged in 1979.

Line 1 - History Record Opening Number :

XXXX - opening number used for BCGS mapsheet ZZZZ - 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 4.0 dataed January 2009.

NATIVE CONIFERS

Cw	Western Red Cedar
Y	CYPRESS
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	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lk	Kamloops
Lw	Western Larch
P	PINE
Pa	Alpine Pine
Pl	Limber Pine
Pli	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Pld	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pyi	Shore Pine (coast)
Pw	Western White Pine
Pxj	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sxe	Spruce hybrid
Sxx	Spruce hybrid
Sxw	Engelmann x White
Sw	White Spruce
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	DOGWOOD
G	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
R	ARBUTUS
W	Willow
Wp	Pacific Willow
Wpg	Pacific Willow (Barclay's)
Wt	Pussy Willow (grey-leaved)
Wy	Sitka Willow
Wr	Sitka Willow (re-leaved)

UNKNOWN / OTHER

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

EXOTICS

Ae	ASH
Ap	ASPEN, COTTONWOOD or POPLAR
Ay	Japanese Cottonwood
B	BIRCH
Be	European Birch
Bm	Monarch Birch(paper)
Bp	Yellow Birch
C	CHERRY
Cp	Pendula Cherry
Cy	CYPRESS
Yo	Port Orford Cedar
E	ELM (exotic)
Ea	Noble Fir
Bp	Noble Fir
Bpr	Noble x Red Fir
Bn	White Fir
L	LARCH
Le	European Larch
Lj	Siberian Larch
M	MAPLE
Mn	Norway Maple
Mr	Sycamore Maple
O	OAK
Qp	Pendula Oak
Qw	White Oak
Oa	Algerian Oak
Oc	Turkey Oak
Oi	Giant Sequoia
Oj	Japanese Oak
Oe	European Mountain Ash
Ok	Siberian Elm (exotic)
Op	Oregon Ash
Or	Oregon Ash
Ot	Shagbark Hickory
Ow	Black Walnut
Oy	Japanese Walnut
PW	PINE
Pc	Contorta Pine
Pn	Red Pine
Ps	Scots Pine
S	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)
1	0 - 5
2	6 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
0	86 - 100

4d SITE INDEX

SI is estimated 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 current data, a code is assigned to indicate either an inadequate SI.

4e ESTIMATED SITE INDEX

SI is estimated when accurate SI cannot be determined present, e.g. young stands (<30yrs). It is denoted by a stem 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-TREED CATEGORIES (for V and I records)

NON TREED SHRUB

s	SHRUB - LOW
S	SHRUB - TALL

- shrub with average shrub height < or = to two metres.
- shrub with average shrub height > two metres.

NON TREED HERB

he	HERB
h	HERB - FORBS
g	HERB - GRAMINOIDS

- herb with no distinction between forbs and graminoids.
- herb with forbs > 50% of the herb cover.
- herb with graminoids > 50% of the herb cover.

NON TREED BRYOID

by	BRYOID
bf	BRYOID - FORBS
bl	BRYOID - LICHENS

- bryoid with no distinction between mosses and lichens by cover.
- bryoid with forbs > 50% of the bryoid cover.
- bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gr	GRAVEL PIT	mr	RESERVOIR MARGIN
be	BEACH	la	LAKE	mr	RAILWAY SURFACE
bl	BOULDERFIELD	ld	LANDFILL	mr	ROAD SURFACE
bo	BIOSNOW	li	LANDING	mr	ROAD SURFACE
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS	sl	TALUS
cl	CLEARCUT	mi	MINE SITE	ta	TAILINGS
es	EXPOSED SOILS	ra	RIVER	ur	URBAN
gl	GLACIER	rs	RIVER - STORAGE		

Note: Water categories (la, ra, rs, rl) not labelled over 90 percent coverage.

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

Ar	ALPINE	NPDS	NON-PRODUCTIVE	SAND	SAND
Bs	BOREAL FOREST (Species	NPBR	NON-PRODUCTIVE BRUSH	FLAT	FLAT
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN	U	URBAN
Cl	CLOUD	NPDF	NON-PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
Gl	GLACIER	OB	OPEN BROAD	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	OF	OPEN FOREST	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 preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

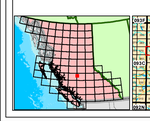
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mist Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seeding Fungal Pathogens	V	Problem Vegetation
I	Insects				

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of thermal 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 Layers" to turn on display values for:

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
SILVICULTURE BLOCK
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



Overflow Labels