Vegetation Map
093K087

BRITISH COLUMBIA
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 contained in this map is compiled from TRIM and other 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 (VRI)
- Research Installations

TRIM, Base Features:
- Rail
- Forest Tenure Road Lines
- Paved Roads
- Gravel Roads
- Trails/Cutlines
- Railways
- Airf ields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofan/Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

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 (= 1:250,000 fine - 15 % hatch)
- Municipal Boundary (= 1:250,000 fine - 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 - Douglas 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 (5-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex. Sparsely vegetated (<10% vegetated) with trees and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex. Logged in 1978

Line 1 - History Record Opening Number

OGR - opening number valid for BCGS mapsheet

XXXX - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

Polygon numbers are assigned by a maximum one to nine digits
L Multi-layered stand is 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

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)
Bp	Pacific Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Western Hemlock / Eastern Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum
L	LARCH
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (interior)
Plx	Lodgepole / Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pa	Sitcka Pine (coast)
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	Hybrid Spruce
Sxl	Engelmann x White
Sxl	Sitka x White
Sxw	unknown / unknown hybrid
Yew	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Ep	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
At	Trembling Aspen
Act	Black Cottonwood
Ax	hybrid Poplars
Ap	Balsam Poplar
E	BIRCH
Bb	Alnobula
Bp	Paper
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ew	Water Birch (Red)
Ew	Water Birch
K	CASCARA
Ck	Cascara
C	CHERRY
Cp	Pin Cherry
Cw	Choke Cherry
Cv	CHOKECHERRY
Cl	Cherry
Dp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gb	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wa	Pacific Willow
Wb	Peachleaf Willow (Bantzy's)
Wr	Red Willow (Bebb willow)
Wsi	Scouler's Willow
Wy	Sitka Willow (tea-leaved)

UNKNOWN CONIFERS

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xl	OTHER (may not on list)
Zz	other conifer
Zzm	other hardwood

EXOTICS

Ap	APPLE
Ax	ASPEN, COTTONWOOD or POPLAR
Bp	Balsam Cottonwood
Bl	BIRCH
Ey	European Birch
Ep	White Birch (exotic)
Yew	Yellow Birch
Y	CHERRY
Yc	Ornamental Cherry
Y	CYPRESS
Ye	Port Orford Cedar
Lw	LARCH
Lyl	Subalpine Fir
Bp	Noble Fir
Bpl	Noble Red Fir
Pm	Pinus Fir
Lw	LARCH
Lyl	Siberian Larch
Lw	Siberian Larch
Mb	Box Elder
Mn	Norway Maple
Mp	Planetree Maple
Oa	OAK
Or	European Oak
Rp	White Oak
Ch	OTHER EXOTICS
Ch	Horsechestnut
Ch	Giant Sequoia
Cr	Coast Redwood
Cr	Dawn Redwood Ash
Ca	Siberian Elm (southern)
Ch	Common Pear
Ch	Black Locust
Ch	White Ash
Ch	Shagbarck Hickory
Ch	Black Walnut
Ch	Japanese Walnut
Pp	PINE
Pm	Monterey Pine
Pn	Red Pine
Pn	Austrian 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)
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 derived from a variety of sources, the leading species. When an accurate SI cannot be obtained from age and height, estimated SI may be used to offer, or replace the SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees are not present. e.g. Recently logged areas. SI is estimated from the SI of adjacent mature stands. If Associated Feature is the same as the 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.
- ss 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, hornworts, and liverworts > 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	mb	MUDFLAT SEDIMENT
ar	ROCK/RUBBLE	ic	ICE	ms	MUSKEG PEAT SPOILS
sr	BLOCKFIELD	l	LAKE BED	rc	OCEAN
br	BEDROCK	li	LANDING	rr	OTHER
sc	CLIFF/CANYON	m	MINERAL LAKE SEDIMENTS	rs	RIVER SEDIMENTS
cb	CUTBANK	mp	OPEN PIT MINE	rl	RESERVOIR
es	EXPOSED SOILS	rm	MORAINE	rr	RIVER / STREAM
gl	GLACIER				

Note: Water categories as ba, ic, l, rc, rr are treated over the percent coverage.

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

AF	ALPINE FOREST	MI	MINES	SAND	SAND
AT	ALPINE FOREST / Species	MNAN	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	MNBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLEARING	MNFO	NON PRODUCTIVE FOREST / Species		
G	GRASS & BAR	N/A	NO TYPING AVAILABLE	NC	NON COMMERCIAL
OP	OPEN	OR	OPEN RANGE	NCU	NON COMMERCIAL URBAN
OF	OPEN FOREST	R	ROCK	NP	NOT PARTICIPATING
W	WATER	S	SNOW	NPR	NOT PARTICIPATING / RESTRICTED
WLK	WALK-OVER	S	SWAMP	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.

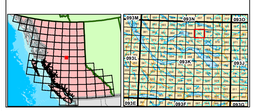
A	Animal Damage	L	Logging
C	Cultural	M	Mine Damage
D	Core and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Core and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Primary Vegetation		

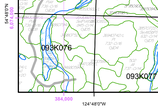
Example Opening History Details

Detailed Silviculture information is available on the BCGW
Warehouse and on iMapBC. 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
OPENING / PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
SILVICULTURE
STANDS UNDER FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels