082K018

Vegetation Map
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Scale 1:20,000

1 Kilometers
0 0.25 0.5 0.75

0 0.25 0.5 Miles

Vegetation Data Source : MFLNRO - VRMS / Ownership
Base Map Source: TRIM / Toporama

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 (CFS)
- Research Installations

TRIM - Base Features:
- All-Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airstrips
- Other Lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroelectric Dams - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- FLI 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 - 1% % hatch)
- Municipal boundary (< 1,000,000 ha) - no hatch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- BCGS Watersheet Grid (1:20,000)

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

OP	LINE DESCRIPTION:
1	1. Structure symbol and Opening Number
ESA	2. Polygon Number and multi-layer stand indicator (L)
1200	3. Species Composition
Pl 70	ex: the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
Fd 30	4. Age, Height, Crown Closure Class Code - separator - Site Index / estimated SI
BG	5. Layer Modifier - Site Series - Ecological Unit - Stocking Status - Crown closure class 1 (6 -16%), SI 20m
0478	6. Vegetated Density Class: or Non-Forest/Productive Descriptor
	ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
	7. Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

0047 - opening number valid for BCGS mapsheet 2478 - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

- 1 to 3 Polygon Number - ranging from one to nine digits
- L - Stand consists of 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

C	CEDAR
Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
H	HEMLOCK
Ba	Amabilis Fir
Bg	Grand Fir
Hm	Mountain Hemlock (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwx	Western x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
D	Creeping Juniper
L	LARCH
Lt	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Plx	Lodgepole x Jack Pine hybrid
Pp	Ponderosa Pine (yellow)
Pa	Whitebark Pine
Pw	Western White Pine
Pf	Limber Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxw	Hybrid Spruce
Sxe	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x Unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dl	Sitka Alder
Act	Paper Birch
A	ASPEN - COTTONWOOD or POPLAR
At	Trembling Aspen
Ac	Balsam Poplar
Act	Black Cottonwood
Ax	Hybrid Poplar
At	Trembling Aspen
R	ARBUTUS
Ar	Arbutus
E	BIRCH
Ep	Alaska Paper Birch
Epx	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
K	DOGWOOD
F	GARCAIA
Ko	Cascara
Kp	Pacific Dogwood
V	Bitter Cherry
Vc	Choke Cherry
Vm	Mountain Ash
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gb	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bankay's)
Wr	Pussy Willow (gray-leaved)
Wy	Scouler's Willow
Wil	Sitka Willow (lanceleaf)

UNKNOWN - OTHER

x	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree not listed)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ue	APPLE
Uep	Apple
Up	"Poplar" COTTONWOOD or POPLAR
Ubl	"Southern Cottonwood
Ub	BIRCH
Ubp	"European Birch
Ul	"Small Bird Cherry
Uy	"Yellow Birch
U	CHERRY
Uc	"Cherry
U	CYPRESS
Ucl	"Nut Orford Cedar
Ucn	"Nootka Cypress
Ub	"Blue Spruce
Uk	"Norway Spruce
Ul	"Siberian Larch
Ulp	"Siberian Larch
MAPLE	
Um	Box Elder
Umn	"Norway Maple
Ums	"Sycamore Maple
OAK	
Uo	"English Oak
Ur	"White Oak
OTHER EXOTICS	
Uh	"Horsechestnut
Ch	"Giant Sequoia
Cs	"Coast Redwood
Ue	"European Mountain Ash
Ul	"Siberian Elm (southern)
Ulp	Common Pear
Up	"Common Pear
Ut	"White Ash
Um	"Norway Maple
Ums	"Sycamore Maple
OAK	
Uo	"English Oak
Ur	"White Oak
OTHER EXOTICS	
Uh	"Horsechestnut
Ch	"Giant Sequoia
Cs	"Coast Redwood
Ue	"European Mountain Ash
Ul	"Siberian Elm (southern)
Ulp	Common Pear
Up	"Common Pear
Ut	"White Ash
PINE	
Pn	"Norway Pine
Pm	"Scots Pine
Ps	"Swiss Pine
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	141-200
9	201 +

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
7	6 - 15
1	16 - 25
F	26 - 35
2	36 - 45
6	46 - 55
6	56 - 65
7	66 - 75
8	76 - 85
9	86 - 100

4d SITE INDEX

Site Index is the expected mature entire stand 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 estimates of SI is derived either, or replaces the SI.

4e ESTIMATED SITE SERIES

If a substantial error exists, the estimate is more or-not present e.g. young stand is 110 yrs). It is recorded by a short which shows precision it. Associated fields in the data base are Inventory Type Group and BEC estimated source data.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I records)

NON-TREED SHRUB
- s SHRUB TALL - shrub with average shrub height > or = to two metres.
- u 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
- b BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverwork, and hornworts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- w Exposed Land
- ro Rock / Rubble
- sn Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

aa	AIRPORT	gp	GRAVEL PIT
ac	CLEARING	l	LAKE
bl	BOG/FIELD	la	LAKE-MID
bi	BEDROCK	ll	LANDING
cb	CUTBANK AREA	ms	MINE AND SEDIMENTS
cb	CUTBANK	mp	OPEN PIT MINE
ea	EMPRESS SOILS	mm	MORAINE
gl	GLACIER		

mu	MUDFLAT SEDIMENT
o	OCEAN - SALINE SPILS
oc	OCEAN
ot	OTHER
r	RESERVOIR
rs	RESERVOIR
r	RIVER / STREAM

rm	RESERVOIR MARGIN
rr	RIVER BANK/BED
rs	RIVER SEDIMENTS
rd	ROAD SURFACE
s	SNOW
s	TAILINGS
ur	URBAN

Note: Water categories (a, ac, la, r) not labelled over 40 percent coverage.

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

A	ALPINE
C	CULTIVATED
G	GRASS
GR	GRAVEL PIT
M	MEADOW
MUD	MUDFLAT

NF	NON-FORESTED
NFB	NON-FORESTED BROWSE
NFBG	NON-PRODUCTIVE BURN
NFF	NON-PRODUCTIVE FOREST Species
NFL	NON-PRODUCTIVE/UNLABLE
OPN	OPEN/GRASS
P	PASTURE
R	RANGE
SAND	SAND

SNI	SNOW/ICE
TOE	TIDAL FLAT
U	URBAN

NC	NON COMMERCIAL
NCBR	NON COMMERCIAL BRUSH
W	WATER
NP	NOT APPLICABLE/NOT STOCKED
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
B	Wildfire	M	Mite Damage
C	Insects and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		

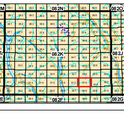
R	Site Rehabilitation
T	Treatment Injuries
U	Damage Unknown
V	Problem Vegetation

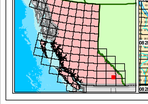
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of Harvest 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
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

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