082M009

Vegetation Map
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Scale 1:20,000

1 Kilometers

Vegetation Data Source: MFLNRO - VRIMS / 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 ecosystem 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 2016.

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM - Base Features:
- All Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Track Centreline
- Railways
- Air Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroelectric lines - 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 Licences - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary (< 1,000,208 ha - 15 % hatch)
- Municipal boundary (> 1,000,208 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 (Douglas Fir) and Hw (Western Hemlock)
   Cw (Western Red Cedar) is the second most abundant species in the stand.
   An stand is age class 2 (21-40 yrs), height class 7 (21.1-25.mtr.), crown closure class 5 (61-70%), SI 20m
4. Vegetated Density Class (or Non-Forest/Productive Descriptor)
   ex a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
5. Disturbance History & year - ex. Logged in 1978

Line 1 - History Record Opening Number:
- opening number valid for BCGS mapsheet
- opening number has not been assigned

Line 2 - Polygon No. / Multilayer

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 4.6 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
B	FIR (Balsam)
Ba	Amabilis Fir
Bg	Grand Fir
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwk	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mt. Juniper
Js	Sierran Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pf	Limber Pine
Pli	Lodgepole Pine
Pl	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine hybrid
Plc	Lodgepole (coastal)
Pa	Black Pine (Limber)
Pw	Western White Pine
Pyc	Ponderosa Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Hybrid Spruce
Sxe	Engelmann x White
Sxl	Sitka x White
Sxw	White x Unknown hybrid
YEW	
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
D	Red Alder
Dm	Mountain Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Black Cottonwood
Ax	Hybrid Poplar
Ac	Balsam Poplar
Ae	Black Cottonwood
Ep	Eastern Cottonwood
At	Trembling Aspen
Ax	HYBRIDS
B	BIRCH
Ea	Alaska Paper Birch
Ew	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Er	Red Birch
Ac	Cascara
V	CHERRY
Vm	Mountain Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vu	Unknown Cherry
Dg	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wd	Peachleaf Willow (Bebb's)
Wd	Peachleaf Willow (grey leaved)
Wp	Pacific Willow
Wr	Sitka Willow (lace-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xd	unknown deciduous
Z	OTHER (See notes on list)
Zz	other conifer
Zd	other hardwood

EXOTICS

	APPLE
Ub	Siberian Crab
Ax	ASPEN, COTTONWOOD or POPLAR
Act	Southern Cottonwood
B	BIRCH
Be	European Birch
Ex	Silver Birch (exotic)
Ey	Yellow Birch
C	CHERRY
Cs	Sweet Cherry
Vs	Sweet Cherry
Y	CYPRESS
Yc	Yellow Cedar
F	FIR (Subalpine)
Bb	*Balsam Fir
Bc	*Cork Fir
Bm	*Shasta Red Fir
Bc	*White Fir
L	LARCH
Lk	*Dahurian Larch
Lu	*Siberian Larch
M	MAPLE
Mb	Box Elder
Mr	*Norway Maple
Mp	*Sycamore Maple
OAK	
Qe	*English Oak
Qr	*Red Oak
	OTHER EXOTICS
Oc	*Incense Cedar
Ol	*Western Larch
Oc	*Coast Redwood
Oa	*European Mountain Ash
Oh	*European Horsechestnut
Of	Common Fig
Oj	Dragon Ash
Ok	*Kentucky
Ot	*Kingsville Hickory
Ot	Tree-of-heaven
Ow	*Siberian Walnut
PINE	
Pn	*Monterey Pine
Pp	*Pitch Pine
Pr	*Ponga Pine
SPRUCE	
Sn	*Norway Spruce

Line 4

4a: AGE CLASS

CO DE	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

CO DE	LIMITS (metres)
1	0.1 - 10.4
2	10.5 - 19.4
3	19.5 - 27.4
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

CO DE	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 is unknown to the nearest metre achieved at 50 years
Breast Height Age - SI is based on the age and height of the dominant leading species. Where an accurate SI cannot be determined, a code will be estimated based on site series, or replaces the SI.

4e: ESTIMATED SITE INDEX
SI is estimated when accurate SI does ennot present, e.g. young stands (<30yrs). SI is estimated by a qualified individual using site series, terrain, ecosystem mapping, or inventory. Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I on cards)

NON-TREED SHRUB
- SB - SHRUBS - which with average shrub height > or = to two metres.
- S - SHRUBS (24) - which with average shrub height < two metres.

NON-TREED HERB
- he - HERB - herb with no distinction between forbs and graminoids.
- H - HERB - FORBS - herb with forbs > 50% of the herb cover.
- G - HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED SHRUB/HERB
- sh - SHRUB/HERB - brand with no distinction between mosses and lichens by cover.
- sm - SHRUB - MOSS - brand with mosses, liverworts, and hornworts > 50% of the brand cover.
- sl - SHRUB - LICHEN - brand with lichens > 50% of the brand cover.

NON-VEGETATED
- w - Water
- R - Rock / Rubble
- s - Snow / Ice

NON-VEGETATED CATEGORIES (for I and I records)

ab	ABYSS	ga	GRAVEL PIT
be	BEACH	gl	LAKE
bo	BOULDERFIELD	la	LAVA BED
cl	CLIFF	ma	MARSH
bu	BURNED AREA	fp	POND or LAKE SEDIMENTS
cb	CUTBANK	rk	ROCK OUTCROP
ic	EXPOSED SOIL	ri	RIVER / STREAM
gl	GLACIER		

mu - MUD/FLAT SEDIMENT
mr - RUBBLY MINE SPOILS
os - OTHER
sc - SCRUB
sp - SNOW COVER
ta - TAILINGS
un - UNKNOWN

rv - RESERVOIR MARGIN
ra - RAILWAY QUARRIE
ro - ROAD SEDIMENTS
rs - ROAD SURFACE
ta - TALUS
wa - WASTE
Note: these categories (a, os, w, rv) will be labelled over 5% of percent coverages.

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

A	ALPINE	NP	NON PRODUCTIVE
AT	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
BY	BAY	NPBS	NON PRODUCTIVE BURN
CL	CLAY BANK	NPST	NON PRODUCTIVE SITE (Species
DU	DRAWS / SKID	NFA	NO TYPING AVAILABLE
G	GRASSLAND	OR	ORE RANGE
ICE	ICEFIELD	R	ROCK
M	MEADOW	S	SAND
MU	MUSKEG	SWAMP	

SAND - SAND
TED - TIDAL FLAT
TU - TUNDRA

NC - NON COMMERCIAL
NCBR - NON COMMERCIAL BRUSH
NP - NON PRODUCTIVE
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
- B Wildfire
- C Cone and Seed Insects
- D Disease
- I Insects
- L Logging
- M Mde Damage
- N Non-Biological Injuries
- W Cone and Seedling Fungal Pathogens
- R Site Rehabilitation
- T Treatment Injuries
- U Damage Unknown
- V Problem Vegetation

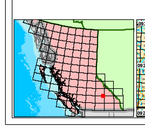
Example Opening History Details

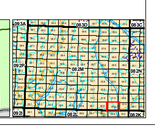
Detailed Silviculture information is available on the BCGW utilizing either MVP or ArcMap. The MapInfo example is of themed RESULTS data.

The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

OPENING ID
OPENING LABEL 5
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH







Overflow Labels

082M009