0921085

Vegetation Map
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Ministry of Forests, Lands and Natural Resource Operations

Scale 1:20,000

0 0.25 0.5 0.75 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 displayed on this map is compiled from various sources. 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 /# Vegetation
- Permanent Sample Plot (1978)
- Research Installations

TRIM. Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Aw/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 (= 1,000,000 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:

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 (if 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 (6-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex. a fre/b polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex. Logged in 1978

Line 1 - History Record Coping Number

- opening number valid for BCGS mapsheet
- 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 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Yc	Yellow Cedar
Y	CYPRESS
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
Hwk	Western Hemlock hybrid
J	JUNIPER
Jf	Rocky Mtn. Juniper
Jr	Common Juniper
L	LARCH
La	Alpine Larch
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (contorta)
Pyl	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pli	Shore Pine
Pw	Western White Pine
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Hybrid Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Interior White Spruce
Sxl	Sitka x Unkno
Sxw	Sitka x unknown hybrid
T	YEW (PACIFIC)
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Ue	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Ac	Black Cottonwood
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
E	ARBUTUS
Ea	Arbutus
Ep	BIRCH
Ew	Alaska Paper Birch
Ewk	Alaska x Paper Birch hybrid
Ep	Paper Birch
Ep	Paper Birch
K	CASCARA
G	DOGWOOD
Y	CHERRY
Yb	Bitter Cherry
Ym	Choke Cherry
Yp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gy	Garry Oak
Gw	White Oak
W	Bebb's Willow
Wp	Pacific Willow
Wb	Black Willow (Bambo's)
Wrr	Pussy Willow (gray-leaved)
Ws	Scouler's Willow
Wr	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

Xh	unknown hardwood
Xc	unknown conifer
Xh	unknown hardwood
Xm	Mixed wood (did not fall)
Xv	Vine Maple
Zx	other hardwood

EXOTICS

U	APPLE
Ue	Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Black Cottonwood
Ae	European Birch
Ay	Purple Birch (Cherry)
Ey	Yellow Birch
Y	CHERRY
Yt	Japanese Cherry
Z	CYPRESS
Zp	"Port Orford Cedar
F	DOUGLAS FIR
Bb	"Balsam Fir
Bp	Noble Fir
Bg	Grand Fir Red Fir
Bc	"White Fir
L	LARCH
Lk	European Larch
Lsi	"Siberian Larch
M	MAPLE
Mr	Red Maple
Mn	"Norway Maple
Mp	"Sycamore Maple
O	OAK
Gw	"English Oak
Gw	"White Oak
P	PINE, SPRUCE
Ca	"Incense Cedar
Gs	"Giant Sequoia
Gr	"Redwood Redwood
Ge	European Mountain Ash
Ge	Siberian Elm (southern)
Ch	Horsechestnut
Cy	Oregon Ash
Cw	"White Ash
G	"Green Ash Hickory
Ck	"Shagbark Hickory
Ck	Japanese Walnut
W	PINE
Pm	"Mondeay Pine
Pn	"Austrian Pine
Py	"Scots Pine
Y	SPRUCE
Sn	"Norway Spruce

Line 4

4a ASE CLASS

CODE	LIMITS (years)
7	1-20
2	21-40
3	41-80
4	81-80
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 based on the age and height of the leading species. When an accurate SI cannot be obtained from your VRI layer estimated SI is shown after an exposure has SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees exmist present, e.g. young stands (<50yrs). It is denoted by a slash which always precedes it. Non-productive fields in the data base are inventory type 230 and no 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.
- SHRUB LOW - shrub with average shrub height < two metres.

NON TREED HERB
- Nw HERB - herb with no distinction between forbs and graminoids.
- M HERB - FORBS - herb with forbs > 50% of the herb cover.
- Hg HERB - GRAMINOIDS - herb with gaminoids > 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, liverworts, and hornwarts > 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
b	BARREN	h	LAKE
br	BLOCKFIELD	lb	LAVA BED
br	BEDROCK	li	LANDING
cb	CLIFF/CANYA	ls	LAKE SEDIMENTS
cb	CUTBANK	ms	OPEN PIT MINE
ee	EXPOSED SOILS	mv	MORAINE
gl	GLACIER		

Note: Water categories (ie, ss, w, h) not labelled over 50 percent coverage.

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

A	ALPINE	NPBS	NON PRODUCTIVE BRUSH
AF	ALPINE FOREST (Species)	NPMS	NON PRODUCTIVE MEADOW
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLEARING	NPF	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
L	LAKE	R	ROCKS
N	NEVADA	S	SNOW
MUD	MUD FLAT	S	SWAMP

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.

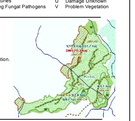
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
D	Insects and Seed Insects	N	Non-Biological Injuries
C	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

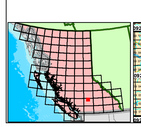
Example Opening History Details

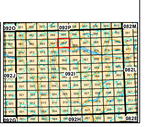
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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







Overflow Labels

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