092M036

Vegetation Map
092M036

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 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 :
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Airfields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolines/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

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 (< 1:500,000 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:

S7 ES1 Fd(Fd) Hw 20 0 W/E 0 6

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 (Douglis Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code / separator Site Index / estimated SI
ex: 20 years old, 0 meters high, Crown Closure class 1 (6-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

'OP' - opening number valid for BCGS mapsheet '0000' - 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
Y	YEW
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	Scopulus Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Pa	Whitebark Pine
Pm	Shore Pine (coastal)
Pw	Western White Pine
Px	Hybrid White Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxe	Spruce hybrid
Sxw	Interior Hybrids
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Ue	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Acb	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
E	ARBUTUS
Em	Arbutus
Ep	Paper Birch
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ew	Water Birch (white)
Ew	Water Birch
K	CASCARA
G	CHERRY
Gs	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vu	Unknown
F	DOGWOOD
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
V	Vine Maple
O	OAK
Or	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bentley's)
Ww	Pussy Willow (grey leaved)
Wr	Scouler's Willow
Wy	Sitka Willow (Yew leaved)
X	UNKNOWN - OTHER
Xi	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

U	APPLE
Ua	Apple
Axt	ASPEN, COTTONWOOD or POPLAR
Act	Balsam Cottonwood
Be	Birch
Ea	European Birch
Ey	Purple Birch (Cutleaf)
Ey	*Yellow Birch
G	CHERRY
Ye	*European Cherry
Y	CYPRESS
Yp	*Port Orford Cedar
Yx	Cypress hybrid
Bp	*Balsam Fir
Bp	Noble Fir
Bm	*Shasta Red Fir
Bc	*White Fir
L	LARCH
Ld	*Dahurian Larch
Lx	*Siberian Larch
M	MAPLE
Mx	Box Elder
Mr	*Norway Maple
Mp	*Japanese Maple
Oa	OAK
Oa	*English Oak
Oq	*Red Oak
Z	OTHER EXOTICS
Oc	*Incense Cedar
Oc	*Western Redcedar
Oj	*Giant Redwood
Oe	European Mountain Ash
Oa	*Mountain Ash(Northern)
Of	Common Ash
Og	Oregon Ash
Ow	*White Ash
Ox	*Shagbark Hickory
Oc	*Black Walnut
Ok	Japanese Walnut
PINE	
Pn	*Austrian Pine
Pn	*Red Pine
Py	*Sugar Pine
Ps	*Scots Pine
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 - 26.4
4	26.5 - 32.4
5	32.5 - 45.4
6	46.5 - 55.4
7	55.5 - 64.4
8	65.5 +

4c. CROWN CLOSURE CLASS

CODE	LIMITS (percentages)
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
Species: Use the first letter of the species code for the site leading species. When an accurate SI cannot be obtained from age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees arenot present, e.g. Immature stands. SI is shown in brackets. The first letter of species precedes S. Associated fields in the data base are Inventory Type Group and SI Estimated source code.

Line 5 Vegetation records

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

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

NON VEGETATED
- sn - Snow / permanent ice
- ri - Rock / Rubble
- si - Snow / Ice

NON VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
bl	BOULDER	l	LAKE	ms	MUSKEG / MINE SPOILS
br	BLOCKFIELD	la	LAVA BED	oc	OCEAN
br	BEDROCK	li	LANDING	of	OTHER
bu	BURNED AREA	p	POND or LAKE SEDIMENTS	rc	RECENT COVER
cs	CUTBANK SOILS	ra	OPEN PIT MINE	rr	RESERVOIR
ds	EXPOSED SOILS	rm	MORAINE	r	RIVER / STREAM
gl	GLACIER				

rm RESERVOIR MARGIN
rv RIVER SEDIMENTS
rd ROAD SURFACE
s SNOW
u TAILINGS
ur URBAN

Note: Water categories (la, ac, re, r) not labelled over 60 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AT	ALPINE FOREST ITSpecies	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
BY	BRYOID	NPBY	NON PRODUCTIVE BRYOID	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST ISpecies		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRASSLAND	P	PERENNIAL SNOW	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	PF	HAYFIELD	NF	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUDFLAT	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.

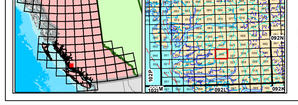
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Burning	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Disease	P	Cone and Seedling Fungal Pathogens	V	Protects Vegetation
I	Insects				

Example Opening History Details

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



Overflow Labels

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