092K011

Vegetation Map
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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 derived 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 (CVS)
- Research Installations

TRIM_Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Fields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydr/Aw/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 (1:1,000,000 fill - 16 % hatch)
- Municipal boundary (1:1,000,000 hol - 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. Silvicultural symbol and Opening Number
2. Polygon Number and multi-layer stand indicator (L)
3. Species Composition:
   ex: a multi-layered stand layer is described as Fd (Douglis 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 Description)
   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

CUT - opening number valid for BCGS mapsheet ZONE - 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 - S/C 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 4.0 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
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	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pyi	Ponderosa Pine (interior)
Pw	Western White Pine
Pa	Whitebark Pine
Prx	Hybrid Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	Western Spruce
Sxl	White Spruce
Sx	Spruce hybrid
Sxe	Engelmann x White
Sxs	Sitka x White
Sxl	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
A	APPLE
Up	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Ae	Trembling Aspen
Ax	Hybrid Poplar
At	Trembling Aspen
E	BIRCH
Ep	Alaska Paper Birch
Epe	Alaska x Paper Birch hybrid
Ew	Paper Birch (white)
Ewp	Paper Birch
E	ASCENDING
Ki	Cascara
Kp	Pacific Dogwood
V	Willow/Cherry
Vc	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Og	Garry Oak
Q	POPLAR
Qb	Balsam Poplar
Qc	Black Cottonwood
Qm	Trembling Aspen
Qx	Hybrid Poplar
R	WILLOW
Rb	Bebb's Willow
Rp	Pacific Willow
Rt	Peachleaf Willow (Bebb's)
Rw	Pussy Willow (grey-leaved)
Rs	Scouler's Willow
Rl	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xh	unknown hardwood
Xc	OTHER (does not on list)
Xs	shrub
Zh	other hardwood

EXOTICS

Ux	APPLE ASPEN, COTTONWOOD or POPLAR
Ad	"Southern Cottonwood BIRCH
Ea	European Birch
Ek	Silver Birch (swamp)
Ep	Silver Birch
Vs	CHERRY Sweet Cherry
Vu	HAWTHORN
Lo	"Pond Orford Cedar FIR (Balsam)
Bm	Noble Fir
Bp	Noble Fir
Bm	"Shasta Red Fir
Bi	Subalpine Fir
Lyl	LARCH "Dahurian Larch
Ld	"Dahurian Larch
Mx	MAPLE
Mk	Box Elder
Mn	"Norway Maple
Ms	"Sycamore Maple
Oc	OAK
Oe	"English Oak
Qr	"White Oak
Cx	PINE, EXOTICS
Pn	"Austrian Pine
Pc	"Corsican Pine
Pl	"Scots Pine
Sn	SPRUCE "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 - 25.4
4	25.5 - 31.4
5	31.5 - 37.4
6	40.5 - 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

Site Index is the height in 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 age and height, estimated SI is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX

SI is determined when site index curves permit present, e.g. young stands (<50yrs). If a site index is estimated a E is recorded by a slash which always precedes it. 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)

SL	SHRUB LAND	
SD	SHRUB DALE	- shrub with average shrub height > or = to two metres.
s	SHRUB/ LOW	- shrub with average shrub height < two metres.

NON-TREED HERB

hw	HERB - WEEDS - herb with no distinction between forbs and graminoids.
hf	HERB - FORBS - herb with > 50% of the herb cover.
hg	HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID

by	BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
bm	BRYOID - MOSS - bryoid with mosses, liverwarts, 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 record's)

bl	BEDROCK	la	LAKE	mu	MUDFLAT SEDIMENT
be	BEACH	lk	LAKE, ICE	mz	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lb	LAVA BED	oc	OCEAN
br	BOULDERS	p	POND	ri	RIVER
bu	BURNED AREA	ps	POND w/ LAKE SEDIMENTS	sn	SNOW COVER
cb	CUTBANK	pa	OPEN PIT MINE	re	RESERVOIR
ds	DRY SALT FLATS	ms	MORAINE	wa	WATER, SALT/BRACKISH
gl	GLACIER				Note - Water categories rip, ow, re, st must cover over 5% percent coverage.

mr	RESERVOIR MARGIN
rm	RAILWAY SURFACE
rs	RIVER SEDIMENTS
sa	SALT SURFACE
tw	TAILS
ty	TAILINGS
ur	URBAN

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
BY	BRYOID	NPBS	NON PRODUCTIVE BLANK	U	URBAN
C	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GP	GRAVEL PIT	OR	OPEN RANGE	NP	NON PRODUCTIVE
OI	OXYGEL	R	ROCK/ BLD	NPBR	NON PRODUCTIVE BRUSH
M	MEADOW	R	ROCK -	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	S	SWAMP	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code proceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

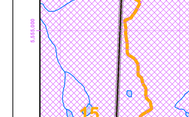
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Birds	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

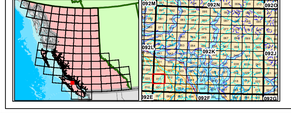
Example Opening History Details

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 ID
OPENING LABEL 0
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

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