103H062

Vegetation Map
103H062

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 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, 2015

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 Parties
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroelectric lines - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RAV Region-Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area-Block - FADM
- Tree Farm Licenses - FADM
- Land Districts boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary (1:1,000,000 for / in Nat'n)
- Municipal boundary (1:1,000,000 for / in Nat'n)
- 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:

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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: stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-10%), SI 20m
      / estimated (Forestry Code of Practice Regulations Definitions)
 5    If only a forb polygon or no vegetation, record forbs and graminoids, shrubs less than 2m.
 6    Disturbance History & year - ex: Logged in 1975
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Line 1 - History Record Opening Number

0001 - opening number valid for BCGS map sheet 0001* - 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 4.5 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
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
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plc-Pj	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pwa	Western White Pine
Pw	Whitebark Pine
Pxj	Pine hybrid
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sxe	White Spruce
Sx	Spruce hybrid
Sxw	Hybrid White Spruce
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dl	Sitka Alder
Ep	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Ap	Poplar
Act	Black Cottonwood
Ax	Hybrid Poplar
Ac	Trembling Aspen
At	Trembling Aspen
Ax	Hybrid Poplar
Ar	Arbutus
E	BIRCH
Ep	Alaska Paper Birch
Exp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ey	Yellow Birch
G	DOGWOOD
Gp	Cascara
M	OAK/BAY
Mb	Garry Oak
V	WILLOW
Vc	Crack Willow
Vp	Pacific Willow
Vpb	Pacific Willow (Barclay's)
Vrl	Prairy Willow (gray leaved)
Vs	Scouler's Willow
Vsi	Sitka Willow (low-level)

UNKNOWN - OTHER

X	unknown conifer
Xh	unknown hardwood
Xl	unknown broadleaf (not MB)
Z	other conifer
Zh	other hardwood

EXOTICS

Ae	APPLE
Ay	Apple
Aa	APPLE, COTTONWOOD or POPLAR
Ad	Southern Cottonwood
BR	BIRCH
Ea	Asian Birch
Ev	Silver Birch (swamp)
Ey	Yellow Birch
BE	BIRCH
Vi	Sweet Cherry
Ve	Choke Cherry
Yo	*Port Orford Cedar
B	FIR (balsam)
Bc	Noble Fir
Bp	*Shasta Red Fir
Bm	Silvercrest
LA	LARCH
Ld	*Dahurian Larch
Le	European Larch
Lk	Japanese Larch
Mv	Bigleaf Maple
Mr	*Scouler's Maple
MN	MAPLE
Qg	*Englis Oak
Qs	*White Oak
RA	ROBINIA SPECIES
Ow	*Incense Cedar
Ob	*Giant Sequoia
Ot	*Monterey Cypress
Ol	European Mountain Ash
Os	Siberian Elm (southern)
Ou	European Elm
Og	Oregon Ash
Ofr	*White Ash
Ot	Green Ash (Marshy
O	Tree of Heaven
Oj	Japanese Walnut
OX	
Mc	*Monterey Pine
Pr	*Red Pine
Ps	*Stone Pine
W	WILLOW
Wi	*Harvey 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 - 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)
1	0 - 5
2	6 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
0	86 - 100

4d SITE INDEX

All SI are shown in the nearest one-metre reference at 50 years breast height age. SI is based on the age and height of the dominant and co-dominant trees in the stand. Where the breast height age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when available SI trees cannot present, e.g. recently logged areas. The SI is estimated from known similar sites growing on the same soils. The estimated SI in the data base are inventory Type Group and SIEE estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for 1 and L records)

NON-TREED SHRUB
- s SHRUB TALL - shrub with average shrub height > or = to two metres.
- sl SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERBS
- hw 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 mossie and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverwrts, and hornwrts >150% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED
- r ROCK
- rs Rock / Rubble
- w Snow / Ice

NON-VEGETATED CATEGORIES (for L and Line 4 records)

aa AIRPORT	gg GRAVEL PIT	mu MUDFLAT SEDIMENT	rm RESERVOIR MARGIN
ac CUTBANK	ic ICE	OA OPEN WATER BASINS	rr RESERVOIR SHORES
bl BOG/MUSKEG	lk LAKE	oc OCEAN	rs RIVER SEDIMENTS
br BEDROCK	lk LANDING	o OTHER	rz ROAD SURFACE
ca CULTIVATED AREA	ls LAKE SEDIMENTS	ow OPEN WATER	sa SAND
cb CUTBANK	mi DRAINAGE MINE	re RESERVOIR	tl TAILINGS
em EMPOSED SOILS	mm MORAINE	RIVER / STREAM	u URBAN
gl GLACIER		Note: Water categories (a, oc, re, rv) identified on 90 percent coverage.	

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

A	ALPINE	MF	NON-PRODUCTIVE
AF	ALPINE FOREST (Species	MFBR	NON-PRODUCTIVE BRUSH
C	CULTIVATED	MFFO	NON-PRODUCTIVE FOREST
CL	CLAY BANK	MFF	NON PRODUCTIVE FOREST (Species
GR	GRAVEL BAR	NA	NO TYPING AVAILABLE
GS	GRASSLAND	NP	NON-PRODUCTIVE
ICE	ICEFIELD	P	HAYFIELD
M	MEADOW	R	ROCK
MD	MUD FLOAT	S	SWAMP
		SAND	SAND
		TIDE	TIDAL FLAT
		U	URBAN
		W	NON COMMERCIAL
		NCBR	NON COMMERCIAL BRUSH
		NF	NON PRODUCTIVE
		NSR	NOT SUFFICIENTLY RESTOCKED
		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.

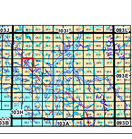
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases - trees	P	Cone and Seeding Fungal Pathogens
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either 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
OPENING - TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



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Overflow Labels