103H066

Vegetation Map
103H066

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 / Terrain

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, 2014

MAP SYMBOLOGY

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

TRIM - Base Features:
- Ax Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fairies
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroelectric Lakes - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RV 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 (> 1:250,000 Res - % hatch)
- Municipal boundary (> 1:250,000 Res - 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:

SE 85E 85E Fdi 25 Hw 25 Bl 50

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 (Dougla 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 (01-10 4m), 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 1979.

Line 1 - History Record Opening Number

CC - opening number valid for BCGS mapsheet — 00 # - 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 Completion: 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	Sweetie Juniper
L	LARCH
Lw	Western Larch
Lt	Tamarack
Le	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Py	Ponderosa Pine (yellow)
Pa	Ponderosa Pine (white)
Ps	Sitka Pine (coast)
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sxw	Hybrid White
Sxe	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
D	Alder spp.
Dr	Red Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
At	Trembling Aspen
Ae	Black Cottonwood
Ax	hybrid Poplars
Ep	Trembling Aspen
E	BIRCH/OTHER
Ra	Arbutus
B	BIRCH
Ea	Alaska Paper Birch
Ep	Alaska Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
C	Cascara
V	CHERRY
Vf	Fire Cherry
Vv	Choke Cherry
Vp	Pin Cherry
D	DOGWOOD
Dp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (bradleyi)
Mv	Vine Maple
O	OAK
Og	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wr	Peachleaf Willow (Bardaly's)
Ww	Pussy Willow (gray-leaved)
Wy	Scouler's Willow
Wil	Sitka Willow (lasiandra)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ue	APPLE
	ASPEN, COTTONWOOD or POPLAR
Ad	Southern Cottonwood
	BIRCH
Ze	European Birch
Ek	Japanese White Birch
Ey	Yellow Birch
	CHERRY
Ys	Mazzard Cherry
	CYPRESS
Yp	Pond Cypress
	Fir (Balsam)
Bb	Balsam Fir
Bc	Corkbark Fir
Bm	Silvertip Fir
Bc	White Fir
	LARCH
Ld	Dahurian Larch
Le	Siberian Larch
	MAPLE
Me	Box Elder
Mr	Norway Maple
Ms	Sycamore Maple
	OAK
Oe	English Oak
Ow	White Oak
	OTHER EXOTICS
Ox	Other Exotics
Oc	Giant Sequoia
Oc	Cedar Redwood
Od	European Mountain Ash
Ok	Siberian Elm (southern)
Ol	Siberian Elm
Op	Oregon Ash
Ot	Tree of Heaven
Ou	Chinese Walnut
	PINE
Pm	Monterey Pine
Pr	Red Pine
Ps	Scots Pine
	SPRUCE
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 - 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. Where an accurate SI cannot be determined from age and height, a code (E) is entered after, or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees are not present, e.g. young stands, or stands of non-site indicator species. Estimated SI is recorded in the data base and inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

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

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

NON-TREED HERB
- hg 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 BRYOIDS - 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.

NO VEGETATED CATEGORIES (for V and I records)

ar	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
bl	BEACH	lk	LAKE	mp	RUBBLY MINE SPOILS
bf	BOULDERFIELD	lm	LAKE-MED	ot	OTHER
cl	CLEARING	ll	LANDING	ot	OTHER
bu	BURNED AREA	lp	POND or LAKE SEDIMENTS	pl	SNOW COVER
ex	EXPOSED	rd	ROADBANK	ri	RIVER / STREAM
es	EXPOSED SOILS	rm	MORAINE	ri	RIVER / STREAM
gl	GLACIER				

Note: Water categories (ia, ic, ri, rr) not labeled over 50 percent coverage.

rm	RESERVOIR MARGIN		
rm	RAILWAY SURFACE		
ro	ROAD SURFACE		
ro	ROAD SURFACE		
tl	TALUS		
ur	URBAN		
ur	URBAN		

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
F	FOREST	NPTR	NON PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NOT TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
I	ICEFIELD	P	PASTURE	NF	NON FORESTED
M	MARSH	R	ROCK	NFBR	NON FORESTED BROKEN
MUD	MUD FLAT	S	SNOW	NTA	NOT TYPING AVAILABLE

Line 6 - Disturbance History

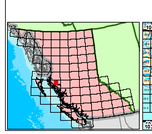
Disturbance type code preceded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

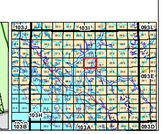
A	Animal Damage	L	Logging
B	Wildfire	M	Mine Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects	S	Site Preparation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of the ArcREC SILTS 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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