082K047

Vegetation Map
082K047

Scale 1:20,000

1 Kilometers

0.5 0 0.25 0.5 0.75

0.25 0 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 displayed on this map is not to be used for determining 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 or Vegetation
- Permanent Sample Plot (CVS)
- Research Installations

TRIM - Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf ields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrodef ensive - 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 (1:1,000,000 ha - 13 % hatch)
- Municipal boundary (1:1,000,000 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
ex: the most important 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 herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Inventory Label (if applicable) - ex: logged in 1978.

Line 1 - History Record Opening Number

XXX - opening number valid for BCGS mapsheet *0XXX* - 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 tabled 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	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Fr	FIR (Undefined)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (Alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hx	Hybrid Western Hemlock-Yellow
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lk	Tamarack
Lw	Western Larch
P	PINE
Pa	Whit e Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine hybrid
Pli	Lodgepole x Whitebark Pine
Pfg	Whit e Pine (cross)
Pw	Western White Pine
Py	Ponderosa Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Hybrid Spruce
Sxw	Sx primarily x White
Sxl	Sx primarily x Unknown hybrid
YEW	
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
D	ALDER
Dr	RED ALDER
Ep	Paulcho Cieb Apple
At	ASPEN, COTTONWOOD or POPLAR
A	ASPEN
Abb	Balsam Poplar
Abl	Black Cottonwood
At	Trembling Aspen
Ac	Black Cottonwood
B	BIRCH/TOG
Bb	Alaska
Bg	Gray Birch
Bp	Alaska Paper Birch
Bpr	Alaska x Paper Birch hybrid
Bpw	Paper Birch (white)
Bw	Water Birch
K	OAK/ARA
Kg	Garry Oak
Kr	OAK/BRU
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vu	Unknown Cherry
Vp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broadleaf Maple (bradleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wr	Peachleaf Willow (Bebb's)
Wsi	Pussy Willow (gray-leaved)
Wv	Velvet Willow
Ww	Sitka Willow (lace-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Y	OTHER (tree not listed)
Yc	other conifer
Yh	other hardwood

EXOTICS

W	APPLE
Ai	Tree of Heaven
Ap	ASPEN, COTTONWOOD or POPLAR
Ast	Southern Cottonwood
Be	BIRCH
Bpe	European Birch
Bs	Silver Birch (swamp)
By	Yellow Birch
C	CEDAR
Ys	Sweet Cherry
Y	CYPRESS
Yn	Port Orford Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fg	Noble Fir
Fgr	Grand x Noble Fir
Fk	White Fir
L	LARCH
Lk	Siberian Larch
Ls	Siberian Larch
M	MAPLE
Mn	Norway Maple
Mp	Sycamore Maple
Mr	Red Maple
Mt	Vine Maple
Mn	Norway Maple
Mp	Sycamore Maple
OH	OAK
Oe	English Oak
Or	Red Oak
X	OTHER EXOTICS
Ce	Incense Cedar
Cp	Port Orford Cedar
Cr	Coast Redwood
Ed	European Mountain Ash
Ej	Japanese Mountain Ash
Ef	Common Pear
Dg	Dragon Ash
Dv	Russian Olive
Gt	Ginkgo tree, Maidenhair tree
G	Tree of Heaven
Wn	Black Walnut
PINE	
Pe	Monterey Pine
Pn	Austrian Pine
Pp	Shore Pine
SPRUCE	
Se	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 -

4a SITE INDEX

Site index is the tree height at 50 years measured in metres. SI is based on the dominant and subdominant species. When an accurate SI cannot be obtained from age and height, estimated SI is shown after, or replaces the SI.

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

4e. ESTIMATED SITE INDEX

Site index is estimated when no trees are present, e.g. young stands (<10yrs). It is determined by a stand which is previous to it. Associated fields in the data base are Inventory Type Group and Estimated source code.

Line 5 - Vegetation records

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

NON-TREELAND
- s SHRUB - shrub with average shrub height 1 or no taller than two metres.
- w 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 - forbs with greater than 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, liverwork, and hornwarts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED
- e Exposed Land
- rs Rock / Rubble
- sl Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

bl	BARE SOIL - PIT	mu	MUDFLAT SEDIMENT
be	BEACH	mw	RUBBLY MINE SPOILS
bl	BLOCKFIELD	mo	OCEAN
bo	BOULDERS	mp	POND
bs	SURFACE AREA	ms	SNOW COVER
cb	CUTBANK	mr	RESERVOIR
rs	ROCK / TALUS	mt	TAILINGS
gl	GLACIER		

mr	RESERVOIR MARGIN
rm	RAILWAY SURFACE
rv	RIVER SEDIMENTS
rd	ROAD SURFACE
tb	TALUS
ti	TAILINGS
w	WATER

Note: Water categories (w, ou, rv) not labelled are for all ocean coverage.

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

A	ALPINE	NP	NON-PRODUCTIVE
AF	ALPINE FOREST / Species	NPBR	NON-PRODUCTIVE BRUSH
B	BARE SOIL	NPCL	NON-PRODUCTIVE CLEARING
CL	CLAY BANK	NPF	NON-PRODUCTIVE FOREST Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
ICE	ICEFIELD	R	ROCK / RUBBLE
ICE	ICEFIELD	P	MARSH/FEN
M	MEADOW	R	ROCK
MUD	MUDFLAT	S	SWAMP

SAND	SAND
TIDE	TIDAL FLAT
U	URBAN
NC	NON COMMERCIAL
NCBR	NON COMMERCIAL BRUSH
NP	NON-PRODUCTIVE
NSR	NOT SUFFICIENTLY RESTOCKED
NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

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

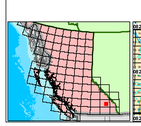
A	Animal Damage	L	Logging
B	Wildfire	M	Mine Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW as the VEGCOMP_SILV_SYSTEM. The MapView example is of the feature RESULTS_SILV.

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
- SILVICULTURE TREATMENT UNIT
- STANDARDS UNIT
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH





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