082M076

Vegetation Map
082M076

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRMS / Ownership
Base Map Source: TRIM / Tantalis

This map is created from information stored digitally in the BC Geographic Warehouse. This map has been structured to display vegetation information and is not to be used for land ownership purposes. Other information displayed on this map 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 Feature:
- 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
- Air Fields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrkd/Glaciers - 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 (> 1,000,000 ha - 15 % hatch)
- Municipal boundary (< 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 BC Tree Code List
ex: the most important layer is described as Fd (Douglir Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator: Site Index (estimated SI)
ex: stand is aged 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 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

0001 - opening number valid for BCGS mapsheet 2029 - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRMS 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

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)
Bg	Grand Fir
Bl	Subalpine Fir (Alpine)
H	HEMLOCK
Hw	Western Hemlock
Hm	Mountain 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	Lodge Pole
Plc	Lodgepole Pine
Pli	Lodgepole Pine (Interior)
Plx	Lodgepole x Jack Pine hybrid
Pm	Mountain Pine (Alpine)
Pp	Knee Pine (Krummholz)
Pw	Western White Pine
Px	Pine x White
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sxe	Spruce x Engelmann hybrid
Sxw	Engelmann x White
Sxs	Sitka x White
Sxx	Other unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ARBUTUS
Dr	Red Arbutus
U	APPLE
Ue	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
Ae	Trembling Aspen
Ax	Hybrid Poplars
Ep	Trembling Aspen
Q	ARBUTUS
Qg	Garry Oak
Ep	BIRCH
Ea	Alaska Paper Birch
Ew	Alaska Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Er	Red Birch
Ay	Cascara
V	CHERRY
Vm	Choke Cherry
Vo	Choke Cherry
Vp	Pin Cherry
Vu	Bitter Cherry
Cp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broadleaf Maple (broadleaf)
Mv	Vine Maple
W	WILLOW
Wa	Peachleaf Willow (Bradley's)
Wg	Pacific Willow
Wa	Peachleaf Willow (Bradley's)
Wp	Black Cottonwood (Balsam)
Wx	Scouler's Willow
Wi	Sitka Willow (lanceleaf)

UNKNOWN - OTHER

X	UNKNOWN
Xh	unknown hardwood
Xn	unknown hardwood
Z	OTHER (species not listed)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ae	ALDER
Aa	Alder
	ASPEN, COTTONWOOD or POPLAR
Act	Black Cottonwood
Ebl	BIRCH
Ea	European Birch
Ep	Paper Birch (exotic)
Ew	Yellow Birch
	CHERRY
Cm	Sweet Cherry
Cv	Hybrid Cherry
Yp	*Pond Orford Cedar
	FIR (Balsam)
Bb	*Balsam Fir
Bc	*Corkbark Fir
Bm	*Alaska Fraser Fir
Bc	*White Fir
	LARCH
Ld	*Dahurian Larch
Ls	*Siberian Larch
	PINE
Pa	Austrian Pine
Pm	*Monterey Pine
Pp	*Ponderosa Pine
Pr	*Red Pine
	SPRUCE
Sn	*Norway Spruce
Sp	*Colorado Blue Spruce
Sr	*Red Spruce
	OTHER EXOTICS
Oa	*English Oak
Qw	*White Oak
Qr	Common Filbert
Ch	*Sweet Chestnut
Ca	*Chestnut
Ch	*Sweet Chestnut
Cs	*Common Beech
Ob	*Black Locust
Ol	*European Mountain Ash
Os	Siberian Elm (southern)
Ou	Common Pear
Pc	*Callery Pear
Pd	*White Ash
Ps	*Lilac
Pl	*Shagbark Hickory
Ph	*Japanese Hickory
Pn	*Norway Maple
Pp	*Purple Leaf Plum
Pr	*Red Leaf Plum
Ps	*Pin Cherry
Pu	*Bitter Cherry
Ww	*Weeping Willow
Wb	*Laurel Leaf Willow
Wc	*Golden Willow
Wr	*Russian Olive
Wt	*Laurel Leaf Willow
Wv	*Golden Willow
Wy	*Russian Olive
Wz	*Laurel Leaf Willow
Wv	*Golden Willow
Wy	*Russian Olive
Wz	*Laurel Leaf Willow

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
Site Index is the height of the dominant trees at 50 years breast height.
Inventory tracking: 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 aren't present, e.g. recently logged, or SI trees are too young. The following codes provide the SI. 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
- S SHRUB (Tall) - shrub with average shrub height > or = to two metres.
- s SHRUB (Low) - shrub with average shrub height < two metres.

NON-TREED HERB
- he HERB - herb with no distinction between forbs and graminoids.
- M HERB - FORBS - herb with forbs > 50% of the herb cover.
- hg HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED SHRUB
- sh SHRUB - SHRUB - tryoid with no distinction between moisses and lichens by cover.
- bm BRYOID - MOSS - tryoid with mosses, liverworts, and hornworts > 50% of the tryoid cover.
- bl BRYOID - LICHENS - tryoid with lichens > 50% of the tryoid cover.

NON VEGETATED CATEGORIES (for I and L records)

ap	AIRPORT	gl	GRAVEL PIT	mu	MUDFLAT SEDIMENT
b	BEACH	h	HARBOUR	mv	MUDFLAT SALT MARSH SPITS
bl	BOULDERFIELD	l	LAKE BED	oc	OCEAN
br	BEDROCK	ls	LANDING	ot	OTHER
d	DELTA AREA	ms	MISCELLANEOUS SEDIMENTS	rc	ROCK COVER
du	DUNE/SAND	mi	OPEN PIT MINE	re	RESERVOIR
ea	EXPOSED SOILS	mr	MORAINE	r	RIVER / STREAM
gl	GLACIER				

Note: Water categories (ie. oc, re, r) not labelled are 50 percent coverage.

rm	RESERVOIR MARGIN				
rv	RIVER / STREAM				
rs	RIVER SEDIMENTS				
ro	ROAD SURFACE				
s	SAND				
t	TAILINGS				
u	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
BR	BRUSH	NPF	NON-PRODUCTIVE FOREST	U	URBAN
CL	CLAY BANK	NPF	NON-PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRASSLAND	OB	OPEN BRUSH	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	PAVEMENT	NP	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.

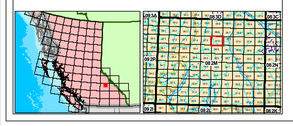
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mine Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

Example Opening History Details

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



Overflow Labels