082M042

Vegetation Map
082M042

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 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 subject to change. Please refer to the administrative boundaries and the Ownership colour theme are for reference purposes only. Cadgrid revisions June 2016).

Labels Projected To: January 1, 2018

MAP SYMBOLOGY

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

TRIM - Base Features:
- As 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
- Hydrodefinitions - 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 (< 1,000,000 ha - 15 % halo's)
- Municipal boundary (> 1,000,000 ha) - no halo's)
- 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: the polygon is a sparse stocked association between forbs and graminoids, shrubs less that 2m.
6 Disturbance history (ex: year last harvested, logged in 1978)

Line 1 - History Record Opening Number

0123 - opening number valid for BCGS mapsheet
0099 - 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 labelled 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)
Bp	Pacific Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
H	HEMLOCK (Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lw	Western Larch
Lt	Western Larch
P	PINE
Pa	Alpine Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (Interior)
Plc	Lodgepole x Jack Pine hybrid
Pj	Ponderosa Pine (yellow)
Pp	Ponderosa Pine
Pw	Western White Pine
Pk	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	Spruce Hybrid
Sz	Spruce Hybrid
Sxe	Engelmann x White
Sxl	Sitka x White
Sxw	White x Unknown hybrid
YEW	
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
D	APPLE
Up	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Ae	Black Cottonwood
Ah	Hybrid Poplars
At	Trembling Aspen
Ax	Aspen hybrid
Ab	ARBUTUS
Ab	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ew	Water Birch (white)
Ep	Paper Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vb	Bitter 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
Qg	Garry Oak
Qx	Oak hybrid
W	Weeping Willow
Wp	Pacific Willow
Wr	Peachleaf Willow (Bankside)
Wt	Thinleaf Willow (Lg leaved)
Wy	Willow (Sitka)
Ws	Sitka Willow (lacksandi)

UNKNOWN - OTHER

X	unknown conifer
Xh	unknown hardwood
Xl	unknown broadleaf (alder)
Z	other conifer
Zz	other hardwood

EXOTICS

A	APPLE
Ya	ASH
Ax	ASPEN, COTTONWOOD or POPLAR
Ar	Northern Cottonwood
Ay	Poplar
Ew	European Birch
Ey	Silver Birch (exempt)
Ey	Yellow Birch
Y	CHERRY
Yu	Black Cherry
C	CYPRESS
Cy	Port Orford Cedar
F	FIR (Balsam)
Fa	Alpine Fir
Bp	Noble Fir
Bm	Amabilis Fir
Bc	White Fir
L	LARCH
Lk	European Larch
Lj	Japanese Larch
M	MAPLE
Mr	Red Maple
Mn	Norway Maple
Ms	Sycamore Maple
O	OAK
Oq	English Oak
Or	White Oak
P	PINE (EXOTICS
Pc	Corsican Pine
Pn	Austrian Pine
Ps	Scots Pine
Pm	Mugo Pine
Pa	Lodgepole x Monterey Pine
Pf	Siberian Elm (southern)
Pf	Common Pear
Pq	Chinquapin
Pq	Giant Chinquapin
Ch	Shagbark Hickory
Q	Tree of Heaven
Qw	Black Walnut
WAL	
Pw	Monterey Pine
Pw	Swiss Pine
Pp	Stone Pine
SPRUCE	
Sn	Norway Spruce

Line 4

4a: AGE CLASS

CODE	LIMITS (years)
7	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 - 13.4
3	13.5 - 16.4
4	16.5 - 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

SI are shown 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 site curves (estimated SI) the estimated site index is preceded by the letter E.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aren't present, e.g. young stands (<20yrs). It is denoted by a slash which precedes the SI value. The site trees are recorded in the Site Tree Group and SI Estimated source table.

Line 5 - Vegetation records

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

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

NON-TREED HERB
- Hw HERB - herb with no distinction between forbs and graminoids.
- W HERB - FORBS - herb with forbs > 50% of the herb cover.
- Hg HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOD
- by BRYOID - MOSS - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverwork, and hornworts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gr	GRAVEL PIT	mb	MUDFLAT SEDIMENT
b	BEACH	h	HEAD	mc	MUDFLAT TIDAL SWALES
bl	BOGGY FIELD	k	LAVA BED	oc	OCEAN
br	BEDROCK	l	LANDING	ot	OTHER
c	CONSTRUCTION AREA	ls	LANDSLIDE SEDIMENTS	r	RESERVOIR
cb	CUTBANK	mp	OPEN PIT MINE	rs	RESERVOIR
es	EXPOSED SOILS	mr	MORAINE	s	RIVER / STREAM
gl	GLACIER				

Note: Water categories (ie. oc, rs, r) not labelled are left as brown coverage.

rm	RESERVOIR MARGIN
sa	SALT WATER
rv	RIVER SEDIMENTS
u	ROAD SURFACE
sl	SLIDE
t	TAILINGS
ur	URBAN

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I record)

AF	ALPINE FOREST	NP	NON-PRODUCTIVE
AFDU	ALPINE FOREST Dryas Meadow	NPBU	NON-PRODUCTIVE BURN
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN
CL	CLEARING	NPOF	NON-PRODUCTIVE FOREST Openline
G	GRAVEL BAR	NS	NON-SAMPLEABLE
GR	GRAVEL PIT	OR	OPEN RANGE
L	LANDING	P	PAVED
W	WOODS	R	RIVER
MUD	MUDFLAT	S	SWAMP

NC	NON COMMERCIAL
NCBR	NON COMMERCIAL BRUSH
NF	NON FORESTED
NSR	NOT SATISFACTORILY 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	E	Site Rehabilitation
B	Wildfire	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				

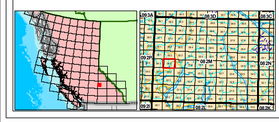
Example Opening History Details

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





082M051 082M052 082M053 082M041 082M042 082M043 082M031 082M032 082M033

58-4 58-5 58-9-78 96 43-11 35-KDYO

Thompson Rivers Natural Resource District

Overflow Labels

082M042

082M042