082M051

Vegetation Map

082M051

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 / Scribe

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to support the ecosystem 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 Feature:

- Forest Vegetation Polygons
- Silviculture Opening or Vegetation
- Permanent Sample Plot (SYS)
- 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 - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:

- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- NV 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 for 1:10 % tech)
- Municipal boundary (1:1,000,000 for 1:50 % tech)
- 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 No. / Multi-layer 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 m), crown closure class 5 (6-70%), SI 20m

5 Site Series - ecological site classification (optional)

ex: a herb polygon with no distinction between herbs and graminoids, shrubs less than 2m.

6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

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

Line 2 - Polygon No. / Multi-layer

VRI Polygon Number - ranging from one to nine digits

A 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

Codes for species and hybrids 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 4.6 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
H	HEMLOCK
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (Alpine)
Hm	MERTENS SPRUCE
Hw	Western Hemlock
Hwm	Western Hemlock/Mertensis Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Jc	Common Juniper
L	LARCH
Lt	Alpine Larch
Lw	Western Larch
Lyl	Western Larch
P	PINE
Pa	Whitebark Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (contorta)
Plh	Lodgepole x Jack Pine hybrid
Pj	Jack Pine (banksiana)
Pli	Shore Pine (Lowell)
Pm	Mountain Pine Hybrid
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce Hybrid
Sxe	Engelmann x White
Sxl	Spruce Hybrid
Sxs	Sitka x Unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

A	ALDER
Ar	Red Alder
At	Sitka Alder
Ax	Hybrid Alder
D	ASPEN, COTTONWOOD or POPLAR
Act	Black Cottonwood
Ae	Aspen Poplar
Ac	Black Cottonwood
Ae	Trembling Aspen
Ap	Balsam Poplar
B	ARBUTUS
Bm	Arbutus
E	BIRCH
Eg	Alaska Paper Birch
Ep	Paper Birch (alaskan) hybrid
Ew	Paper Birch (white)
G	GARRY OAK
K	OAKS/ETC
Kc	Chinkapin Oak
Kg	Garry Oak
M	Bitter Cherry
Mb	Black Cherry
Mn	Pin Cherry
Q	SCHRUBS
Qa	Saskatoon (several cvarieties flowering)
R	ALDER
Rd	Red Alder
Rm	Bigleaf Maple
V	WILLOW
Vc	Black Cottonwood
Vp	Poplar Willow
Vs	Prairie Willow
Vw	Pussy Willow (Bebb)
W	Willow (Hybrid)
Wb	Scouler's Willow
Wi	Sitka Willow (low shrub)
X	unknown
Xc	unknown conifer
Xh	unknown hardwood
Xm	OTHER (Non-native) MC
Xn	other conifer
Xw	other hardwood

EXOTICS

AP	APPLE
Ap	Apple
Ax	Hybrid COTTONWOOD or POPLAR
Ac	*Southern Cottonwood
BI	BIRCH
Ea	*European Birch
Ek	Erman Birch (asiatic)
Ey	*Yellow Birch
Ew	*White Birch
EP	EUROPEAN CHERRY
Ev	*Sweet Cherry
CY	CYPRESS
Yo	*Nootka Cedar
FP	FIR (Eastern)
Bb	*Balsam Fir
Bc	*Corkfir
Bn	*Nikko Fir
Bp	*Veitchs Fir
LA	LARCH
Lk	*European Larch
Ld	*Dahurian Larch
MA	MAPLE
Mb	Box Elder
Mr	*Red Maple
Ms	*Sycamore Maple
OA	OAK
Or	*English Oak
Qw	*White Oak
PI	PINE (EXOTICS
Pc	*Corsican Pine
Pn	*Austrian Pine
Pr	*Red Pine
Ps	*Scots Pine
Pp	*Ponderosa Pine
Pi	*Italian Stone Pine
PO	POPLAR (Hybrid Ash
Ep	Eastern Cottonwood
OP	Common Pear
Pe	*Pear Tree
UA	*Whitebark
Ot	*Weymouth Hickory
Ow	*Black Walnut
OL	Laburnum Vossii
PINE	
Pm	*Monterey Pine
Pr	*Red Pine
Ps	*Scots Pine
Pp	*Ponderosa Pine
Pi	*Italian Stone Pine

UNKNOWN - OTHER

X	Unknown Species
Xc	unknown conifer
Xh	unknown hardwood
Xm	OTHER (Non-native) MC
Xn	other conifer
Xw	other hardwood

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
2	10.1 - 19.4
3	19.5 - 28.4
4	28.5 - 37.4
5	37.5 - 48.4
6	48.5 - 64.4
7	65.5 - 64.4
8	64.5 +

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

Is to estimate the average trees reference of 50 years.
Site index is the average height of dominant trees of the
same species. When a stand is uneven-aged, site index is
based on the average height of the tallest 100 trees per hectare.

4e. ESTIMATED SITE INDEX

Is to estimate site index where it does not yet present, e.g. young stands (<10yrs). It is derived by a stand which shows a similar relationship between site factors that are found in Typal Group and Si Estimated source class.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (1st Y and Lyr=N)

NON-TREED SHRUB

T	SHRUB TALL - shrub with average shrub height > or = to two metres.
S	SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB

H	HERB - herb with no distinction between forbs and graminoids.
HF	HERB - FORBS - herb with forbs > 80% of the herb cover.
HG	HERB - GRAMINOIDS - herb with graminoids > 80% of the herb cover.

NON-TREED BRYOID

B	BRYOID - bryoid with no distinction between mosses and lichens by cover.
BM	BRYOID - MOSS - bryoid with mosses (bryophytes) > 50% of the bryoid cover.
BL	BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (Non-Y and Lyr=NN)

aa	AIRPORT	gg	GRAVEL PIT	mu	MUSKEG
ad	ALPINE	ha	HARVEST	mv	MUSKEG/TREED
bu	BUCKWHEAT	ho	HOUSE	mw	MUSKEG/TREED
br	BUSHED	la	LANDING	nr	NEEDLE/LEAF
cb	CABIN/CAMP	lk	LAKE	ns	NEEDLE/LEAF
cu	CUTBANK	lm	LAKE EASEMENTS	nv	NEEDLE/LEAF
cy	CUTBANK	mi	MINE/PIT MINE	ol	OIL/GAS
dl	DELTA	mo	MORAINE	ov	OVERBURDEN

Note: Given categories (ie. ru, ri, ro) labelled over 50 % of polygon coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTIONS (Soil r records)

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST / Species	NPBR	NON PRODUCTIVE BRUSH
CL	CLIFF/ROCKS	NPBS	NON PRODUCTIVE BURNS
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species
DU	DUNE/SAND	NPL	NON PRODUCTIVE LAKES
GR	GRAVEL PIT	NPR	NON PRODUCTIVE ROCK
ICE	ICEFIELD	P	HAYFIELD
LA	LAKE/WATER	R	ROCK
MAR	MUSKEG	SAND	SAND

NON-VEGETATED

SL	Slash/Logging
U	Urban
W	Rock / Rubble
WA	Water / Ice

NON-PRODUCTIVE

RIV	RIVER/RIVER MARGIN
RE	RIVER/RIVER BENCHES
RI	RIVER SEDIMENTS
RO	ROAD SURFACE
RS	ROCK SLIDE
TA	TALUS
UR	URBAN

NON-FOREST / NON-PRODUCTIVE DESCRIPTIONS (Soil r records)

SAND	SAND		
SE	SEEPAGE		
URBAN	URBAN		
NC	NON COMMERCIAL		
NCB	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NPDS	NON PRODUCTIVE DESTOCKED		
NTA	NOT FTPR/UNKNOWN		

Line 6 - Disturbance History

Silviculture type codes 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	I	Insects
B	Wildfire	M	Mine Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
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E	Environmental	R	Site Reforestation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either RIF or ArcMap. The MapView example is of thinned R45 SU176 data.

The Ministry of Forests, Mines and Lands web application "Map Place" can be used to view this and other information. Select the 5 SILVICULTURE and then click on "Display Silviculture Map" to turn on display values for -

OPENING
OPENING LABELS
SILVICULTURE TREATMENT ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH

Overflow Labels

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