092B051

Vegetation Map
092B051

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRIMO - 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 contained on this map is not a substitute for surveyed boundaries and the Ownership colour theme are for reference purposes only. Cadastral revisions June 2014.

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Reticulate Opening or Vegetation
- Permanent Sample Plot (VRI)
- Research Installations

TRIM Base Features:
- Alpine Peak
- Forest Tenure Road Lines
- Paved Roads
- Gravel Roads
- Trails/Cutlines
- Railways
- Air Fields
- Other Area
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Rock/Boulder Area - 0.5M
- Watercourses - 0.5M
- Waterbodies - 0.5M
- Wetlands - 0.5M
- Ocean - 0.5M

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 - Terrabc
- Municipal boundary (1:1,000,000 No - 15 % hatch)
- Municipal boundary (1:1,000,000 No - no hatch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- MOSS Mapsheet Grid (1:20,000)

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

LINE DESCRIPTION
1 Structure symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
An A in the second important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separators: Site Index / estimated SI
5 Inventory Type Group (ITG) number, Site Class, Site Index, crown closure class (1-9-15%), SI 20m
6 Inventory Criteria Class (1= Non-Forested/Productive, 2= Forested/Productive)
ex. a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
7 Disturbance History & year - ex Logged in 1978

Line 1 - History Record Opening Number

opening number valid for BCGS mapsheet — 0nnn — opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
L - will be present below its separated description if multi-layer is available in the data base. (e. f. 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 2000

NATIVE CONIFERS

C	CEDAR
CW	Western Red Cedar
YC	YPRESS
Y	Yellow Cedar
F	DOUGLAS FIR
FD	Douglas Fir
FDC	Coastal Douglas Fir
FDI	Interior Douglas Fir
H	HEMLOCK
HW	Hemlock Fir
B	BALSAM
BF	Subalpine Fir (Alpine)
BG	Grand Fir
HM	Mountain Hemlock
Hw	Western Hemlock
HXM	Mountain Hemlock Hemlock hybrid
J	JUNIPER
PA	Alligator Juniper
PJ	Oneseed Juniper
PU	Utah Juniper
PW	Juniper sp.
PY	Juniper Family
Py	Lodgepole x Jack Pine hybrid
PL	Lodgepole Pine (Shore)
Pli	Yukon Pine (Inland)
Pw	Western White Pine
PX	Whitebark Pine
SPRUCE	
S	Spruce Genus
Se	Engelmann Spruce
Sw	White Spruce
Sxw	White Spruce
Sx	Spruce Hybrid
Sxl	Spruce Hybrid
Sxs	Sitka x White
Sxw	White Spruce Hybrid
YEW	
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
A	Red Alder
AP	APPLE
Ac	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Ae	Eastern Poplar
Ap	Black Cottonwood
Ab	Balsam Poplar
At	Trembling Aspen
B	BIRCH
Ba	Alaska Birch
Bp	Alaska Paper Birch
Bpl	Alaska x Paper Birch hybrid
Bpp	Paper Birch (NWT)
Bb	Water Birch
Bg	Gray Birch
Bc	Cascade
Bn	Newfoundland
Bk	Sitka Birch
Bn	Chaka Cherry
Bp	Paper Birch
C	DOGWOOD
Cp	Pacific Dogwood (western flowering)
Cs	Stiff Cornel
Cst	Kelseyi Dogwood (bracted)
E	ELM
D	Dilli Oak
Ew	Rock Elm
W	WILLOW
Wa	Alaska Willow
Wb	Barrel Willow
Wp	Peachleaf Willow (Bentcha)
Wr	Pacific Willow (Bentcha)
Ws	Sitkaland Willow
Wy	Yellow Willow (Lowland)

UNKNOWN - OTHER

X	UNKNOWN
Xh	unknown hardwood
Xc	unknown softwood
Z	OTHER (less known tree)
Zc	Cottonwood
Zh	other hardwood

EXOTICS

AP	APPLE
Ax	Domestic Apple
AT	ASPEN, COTTONWOOD or POPLAR
Ab	Balsam Poplar
BI	BIRCH
Bpe	European Birch
Bpu	Silver Birch (exotic)
Bpy	Young Birch
E	ELM
Eu	Siberian Elm
Ew	Dutch Elm
Ey	Elm sp.
Ye	Wych Elm
LA	LARCH
Lk	Japanese Larch
Lp	Dunkeld Larch
Lx	Hybrid Larch
Me	Eva Elder
MA	Manitoba Maple
Mb	Tartarian Maple
OAK	
Oa	Garry Oak
Oc	Chinkapin Oak
Oe	Oriental Cedar
Or	Northern Red Oak
Orn	Shumard Red Oak
Ow	European Mountain Ash
Ox	Oregon White Oak
OY	Common Pear
OZ	Chinese Pear
PA	White Ash
Pm	Manchurian Ash
Pn	Green Ash
Pr	Black Ash
Ps	Japanese Walnut
PW	Walnut
Pw	Hinoki Cypress
Pz	Pear
Pz	Sargent Cherry
Sr	Mountain Ash

Line 4

4a. AGE CLASS

CODE	AGE (in 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	HEIGHT (in 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	% (percentage)
1	0 - 10
2	11 - 15
3	16 - 20
4	21 - 30
5	31 - 40
6	41 - 50
7	51 - 60
8	61 - 70
9	71 - 80
A	81 - 100

4d SITE INDEX

A 50 site index is the second meter referenced at 50 years. Breast Height Age. It is based on the age and height of the tallest trees in the stand. Site index is used to estimate the rate and height increment expressed for a mature site, or sample tree for a young stand.

4e. ESTIMATE SITE INDEX

It is estimated when suitable SI data, and increment, e.g. young stands in Kitimat, it is denoted by a dash and it's always an estimate. Estimates are made by the Ministry and are made by Type Group and SI Estimated source code.

Line 5 - Vegetation records

SELECTED NON-TREE CATEGORIES (for X and I records):

NON-TREES SHRUB

s	SHRUB (SL)
sa	SHRUB TALL
sm	SHRUB MEDIUM
sl	SHRUB LOW

shrub with average shrub height > or = to two metres.
shrub with average shrub height < two metres.

NON-TREES HERB

hm	HERB - TALL
hl	HERB - LOWER
hx	HERB - UNKNOWN

herb with no distinction between forbs and graminoids.
herb with forbs > 50% of the herb cover.
herb with graminoids > 50% of the herb cover.

NON-TREES MOSS

m	MOSS
mb	MOSS - BOGS
mf	MOSS - FORESTS
mm	MOSS - COVERED

bryoid with no distinction between mosses and lichens by cover.
moss with > 50% of the bryoid cover.
bryoid with between 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for Y and I records):

ar	ROCK	ml	MUDFLAT SEDIMENT
as	SNOW	mr	RUBBLY MIXED SPOILS
b	BOULDERS	o	OCEAN
bl	BOULDERFIELD	r	RIVER
bm	BOULDERS	sw	SHOW COVER
bs	BOULDERS	w	WATER
cb	ROAD or LAKE SEDIMENTS	wa	WATER
mc	MORAINE		RIVER / STREAM

rm	RESERVOIR MARGIN
rs	RAILWAY SURFACE
s	RIVER SEDIMENTS
t	TALUS
tc	TALUS
u	URBAN
up	URBAN

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I records):

AF	ALPINE FOREST Rarely	MNP	NON-PRODUCTIVE BRUSH
AT	ALPINE TUNDRA	MNP	NON-PRODUCTIVE FOREST
CL	CLAY BANK	MPS	NON-PRODUCTIVE FOREST Species
DU	DUNE (SAND)	NA	NOT APPLICABLE
GR	GRAVEL BAR	NA	NON-FORESTED LAND
ICE	ICEFIELD	P	HAYFIELD
MUD	MUD FLAT	P	PASTURE
NAS	NOT APPLICABLE	S	SWAMP

SAND	SAND
TEA	TIDAL FLAT
TU	TUNDRA
NC	NON COMMERCIAL
NCBA	NON COMMERCIAL BRUSH
NP	NON PRODUCTIVE
NPBA	NON PRODUCTIVE BRUSH
NTA	NOT FOR AVAILABLE

Line 6 - Disturbance History

Disturbance type codes are followed 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	Insects and Seed Insects	N	Miscellaneous Injuries
D	Disease	P	Core and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Unknown Injuries		
V	Problem Vegetation		

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either WF1 or ArcMap. The Keyline example is of the new RESULTS data.

The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Silviculture data is found under the "Forestry Silviculture Map" to turn on display values for:

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
SILVICULTURE
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH

Overflow Labels