Vegetation Map
092P017

Ministry of Forests, Lands, and Natural Resource Operations

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. 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
- Structure Opening or Vegetation
- Permanent Sample Plot (VRI)
- Research Installations

TRIM: Base Features:
- Ice Bulk Floats
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Arc/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeat-Barriers - ESM
- Waterbodies - ESM
- Waterbodies - ERM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- INV Region Compartment - FADM
- Provincial Forest area - FADM
- Tree Farm Licences - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal Boundary (>1:1000,000 Prec. - no Hatch)
- Municipal boundary (<1:1000,000 Prec. - 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 (Unique within each layer) stand indicator (L)
3. Species Composition
ex. the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
4. Age Class and Site Index (Site Index is optional) Site Index Species
ex. stand is age class 2 (21-40 yrs), height class 1 (0-10.4m), crown closure class 1 (0-10%), SI 20m
5. Vegetated Density Class (or Non-Forest/Productive Descriptor)
6. Species Composition (Minor species, shrubs and graminoids, shrubs less that 2m.
8. Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

OPEN - opening number valid for BCGS mapsheet 2OPEN - 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 4.6 dataed January 2009.

NATIVE CONIFERS

C	CEDAR
CW	Western Red Cedar
C	CYPRESS
Yc	Yellow Cedar
D	DOUGLAS-FIR
Fd	Douglas Fir
Fdi	Interior Douglas Fir
Fdc	Coastal Fir
B	BALSAM FIR
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
F	WHITE FIR
Hw	Western Hemlock
Hm	Mountain Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mn. Juniper
Js	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lw	Western Larch
Lt	Tamarack
P	PINE
Pj	Jack Pine
Pli	Lodgepole Pine
Pl	Lodgepole Pine (interior)
Plc	Lodgepole Pine (Coastal)
Pp	Ponderosa Pine (yellow)
Pw	Western White Pine
Pa	Western White Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Hybrid Spruce
Sw	White Spruce
Sxw	Hybrid White
Sxe	Engelmann x White
Sxl	Sitka x Lutz hybrid
Sxs	Sitka x unknown hybrid
Sz	Lutz Spruce
Ya	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
A	APPLE
At	Pacific Crab Apple
Ax	Hybrid Apple(Introduced or POPLAR)
E	BIRCH
Ew	Paper Birch
Ea	Alaska Paper Birch
Ep	Alaska x Paper Birch Hybrid
Ew	Paper Birch (white)
K	CASCARA
K	CASCARA
G	DOGWOOD
G	DOGWOOD
Vs	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
V	PRUNUS
Vp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Qg	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wy	Pacific Willow
Wx	Hybrid Willow (or Sterile'x')
Ww	Prairie Willow (gray-leaved)
Wr	Scouler Willow
Wa	Sitka Willow (low-branch)

UNKNOWN - OTHER

At	unknown poplar
Ac	unknown conifer
Ah	unknown hardwood
Ax	unknown shrub (or tall)
Xh	other hardwood
Xc	other conifer

ENCYCS

	APPLE
Ax	Hybrid Apple
	ASPEN, COTTONWOOD or POPLAR
At	Southern Cottonwood
Ac	Aspen
Ea	European Birch
Ex	Silver Birch (exserec)
Ep	Swamp Birch
	CHERRY
	CHESTNUT
	CHINKAPIN
Yp	Pacific Coast Cedar
	Fir (Eastern)
Bb	Balsam Fir
Bf	Fraser Fir
Bb	Balsam Hybrid Fir
Bc	Corkbark Fir
	LARCH
Lk	European Larch
Lk	Siberian Larch
	MAPLE
Mr	Red Maple
Mg	Sycamore Maple
Mo	Oregon Maple
Mo	Norway Maple
	OTHER EXOTICS
Ok	Black Locust
Ok	Tree of Heaven
Qp	Purple Beleaved
Qp	Purple Beleaved Ash
Qa	Siberian Elm (southern)
Qa	Siberian Elm
Qg	Oregon Ash
Qn	Green Ash
Qr	Weeping Willow
Qt	Tree-of-heaven
Qp	Purple Beleaved
	PINE
Pm	Monterey Pine
Pc	Red Pine
Pn	Austrian Pine
	SPRUCE
Sn	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	141-160
9	161+

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 - 10
2	11 - 19
3	20 - 30
4	31 - 40
5	41 - 50
6	51 - 60
7	61 - 70
8	71 - 80
9	81 - 100

4d SITE INDEX

All SI are shown to the nearest metre referenced at 50 years breast height age. Site index curves are available for most site leading species. When an accurate SI cannot be obtained from age and height, estimated SI is shown often, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aren't present; e.g. immature stands, or stands where the site leading species is not prevalent. A descriptive term in the data base as inventory Type Group and SI Estimated source code.

Line 5 Vegetation records

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

NON-TREES Shrubs
- SHRUB - Shrub — shrub with average shrub height < or = to two metres.
- TSHRUB - Tall Shrub — shrubs with average shrub height > two metres.

NON-TREES HERB
- HERB - herb with no distinction between forbs and graminoids.
- FORBS - herb with predominately forbs.
- GRAMINOIDS - herb with predominately > 50% of the herb cover.

NON-TREES BRYOID
- BRYOID - bryoid with no distinction between moses and lichens by cover.
- MOSS - bryoid with mosses, liverworts, and hornworts > 50% of the bryoid cover.
- LICHEN - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED
- V Volcanic Ash
- R Rock / Rubble
- S Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gr	GRAVEL PIT
b	BEACH	lk	LAKE
bl	BOULDERFIELD	ri	RIVER
bm	BEDROCK		
cb	CUTBANK		
cl	CUTBANK		
ds	DISTURBED SOILS		
fl	FLOWER		
gr	GRAVEL PIT		
ic	ICE		
m	MEADOW		
MUD	MUDFLAT		
mp	MUDFLAT SEDIMENT		
ms	RUBBLE MINE SPOILS		
o	OTHER		
pd	LANDING		
re	RESERVOIR		
st	STREAM		

Note: Water polygons (lk, ri, st) not labelled over 5m in polygon coverage.

rm	RESERVOIR MARGIN
rr	RAILWAY SURFACE
rs	ROCK OUTCROP
rd	ROAD SURFACE
s	SNOW
ta	TAILINGS
w	WETLAND

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

A	ALPINE	NP	NON-PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
BY	BRYOID	NPTR	NON PRODUCTIVE TREES
CL	CULTIVATED	NPF	NON PRODUCTIVE FOREST (Species
FOR	FOREST	NA	NOT AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
H	HERBACEOUS	SC	SCRUB
M	MEADOW	SOCIAL	SOCIAL
MUD	MUDFLAT	SWAMP	SWAMP
SAND	SAND		
TIDAL	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NCTR	NON COMMERCIAL TREES		
NSR	NOT SUITABLE/NOT RESTOCKED		
N/A	NO TYPING AVAILABLE		

Line 6 - Disturbance History

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

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

Example Opening History Details

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

The Ministry of Forests, Mines and Lands web application http://www.for.gov.bc.ca/hts/vridata/ has more information.
Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for:-

OPENING ID
OPENING LABEL
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
WILDLIFE TREE FOREST COVER
WILDLIFE TREE PATCH

Overflow Labels