Vegetation Map
092P018

Ministry of Forests, Lands and Natural Resource Operations

Scale 1:20,000

0 0.25 0.5 0.75 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 contained in this map is compiled from TRIM and other 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
- Anticlimic Gaming or Vegetation
- Permanent Sample Plot (VYS)
- Research Installations

TRIM, Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Forest Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Ferries
- Other Area
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Islands/Barriers - ESRI
- Watercourses - ESRI
- Waterbodies - ESRI
- Wetlands - ESRI
- Ocean - ESRI

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- REC 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 (< 1:200,000 but > 1:50,000 but - 10 % hatch)
- Municipal boundary (< 1:200,000 but - 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 Species Composition
ex: the most important layer is described as (Douglas Fir) and the (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator: Site Index / estimated SI
ex: 80 years old, 25 metres high, 50% crown closure, SI 20m, crown closure class 1 (6-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptions)
ex: a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
6 Disturbance History & year - ex: Logged in 1970

Line 1 - History Record Opening Number

opening number valid for BCGS mapsheet zzzzz - 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 1

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 4.0 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Yc	YELLOW-CEDAR
Y	YELLOW-CEDAR
F	FIR (SUBALPINE)
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (Alpine)
H	HEMLOCK
Hw	Western Hemlock
Hm	Mountain Hemlock
Hwm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn Juniper
Js	Scopulorum Juniper
L	LARCH
Lw	Western Larch
La	Subalpine Larch
Lt	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (Interior)
Plc	Lodgepole x Jack Pine hybrid
Pa	Ponderosa Pine (yellow)
Pw	White Pine
Pwa	Western White Pine
Pwi	Western White Pine
S	SPRUCE
Se	Engelmann Spruce
Sx	Hybrid Spruce
Sb	Sitka Spruce
Sw	White Spruce
Sxl	Spruce hybrid
Sxw	Engelmann x White
Sxx	Sx x Sw
Sxy	Sx x unknown hybrid
Ty	Yew
Tw	Western Yew

NATIVE HARDWOODS

A	ALDER
Dr	Red Alder
Ra	Red Alder
Va	Pacific Coast Apple
E	ALDER/ASPEN/COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Poplar
Ae	Black Cottonwood
Ax	hybrid Poplars
Ep	ASPEN
Ea	ASPEN
Eb	BIRCH
Ebp	Paper Birch
Ebh	Alaska x Paper Birch hybrid
Ew	Paper Birch (white)
Ey	Yellow Birch
V	CASCARA
Vc	Cascara
Vn	Hog Hawthorn
Vv	Choke Cherry
Vp	Pin Cherry
Vu	Bitter Cherry
Qa	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broadleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Qg	Garry Oak
W	WILLOW
Wp	Scouler's Willow
Ww	Pacific Willow
Wx	Willow species (thicket(s))
Wy	Pussy Willow (any species)
Wt	Trembling Aunt
Wr	Sitka Willow (low branch)

EXOTICS

X	APPLE
Xa	Apple
Xt	Black COTTONWOOD or POPLAR
Xd	Southern Cottonwood
Xe	European Birch
Xw	White Poplar (Aspen)
Xc	Tatary Birch
Xy	CHERRY
Ys	Sweet Cherry
Y	CYPRESS
Yn	Nootka Cypress
Yd	Fifi (Balsam)
Xb	Black Locust
Xbl	Norway Maple
Xm	Mountain Ash
Xr	Rowan
Xs	Scots Pine
Xp	Poplar (Aspen)
Xpa	Poplar (Aspen)
Xpb	Poplar (Aspen)
Xpc	Poplar (Aspen)
Xpd	Poplar (Aspen)
Xpe	Poplar (Aspen)
Xpf	Poplar (Aspen)
Xpg	Poplar (Aspen)
Xph	Poplar (Aspen)
Xpi	Poplar (Aspen)
Xpj	Poplar (Aspen)
Xpk	Poplar (Aspen)
Xpl	Poplar (Aspen)
Xpm	Poplar (Aspen)
Xpn	Poplar (Aspen)
Xpo	Poplar (Aspen)
Xpp	Poplar (Aspen)
Xpq	Poplar (Aspen)
Xpr	Poplar (Aspen)
Xps	Poplar (Aspen)
Xpt	Poplar (Aspen)
Xpu	Poplar (Aspen)
Xpv	Poplar (Aspen)
Xpw	Poplar (Aspen)
Xpx	Poplar (Aspen)
Xpy	Poplar (Aspen)
Xpz	Poplar (Aspen)
Xq	Poplar (Aspen)
Xr	Poplar (Aspen)
Xs	Poplar (Aspen)
Xt	Poplar (Aspen)
Xu	Poplar (Aspen)
Xv	Poplar (Aspen)
Xw	Poplar (Aspen)
Xx	Poplar (Aspen)
Xy	Poplar (Aspen)
Xz	Poplar (Aspen)
Xq	Poplar (Aspen)
Xr	Poplar (Aspen)
Xs	Poplar (Aspen)
Xt	Poplar (Aspen)
Xu	Poplar (Aspen)
Xv	Poplar (Aspen)
Xw	Poplar (Aspen)
Xx	Poplar (Aspen)
Xy	Poplar (Aspen)
Xz	Poplar (Aspen)

UNKNOWN / OTHER

U	unknown hardwood
Au	unknown conifer
Z	OTHER (tree not on list)
Zc	other conifer
Zh	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 - 4.0
2	4.1 - 10.0
3	10.1 - 19.0
4	19.1 - 28.4
5	28.5 - 37.4
6	37.5 - 46.4
7	46.5 - 55.4
8	55.5 - 64.4
9	65.5 +

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
Site Index is based on the nearest metre referenced at 50 years breast height age. It is determined on the age and height of the leading species. When all accounts of plot will be allowed for. Site Index is estimated from Site Index curves for the species.

4e. ESTIMATED SITE INDEX
Estimated Site Index is based on the species and the animal present, e.g. young stands (<40yrs). It is estimated by a stated which always underestimates the site index. Site Index estimates are inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records 1

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

NON-TREES SHRUB
- SHRUB (SL) - shrub with average shrub height > or = to two metres.
- SHRUB (LS) - shrub with shrub height < two metres.

NON-TREES HERB
- HERB - herb with no distinction between forbs and graminoids.
- HERB - GRAMINOID - herb with graminoids > 50% of the herb component.
- HERB - OTHER/FORB - herb with forbs/shrubs > 50% of the herb component.

NON-TREES BRYOID
- BRYOID - bryoid with no distinction between mosses and lichens by cover.
- BRYOID - MOSS - bryoid with mosses /sphagnum, and bryoids > 50% of the bryoid cover.
- BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES: (for X and I records)
- ae AIRPORT
- ag GRAVEL PIT
- ap PIPELINE
- as ASPHALT
- at TAILINGS
- au MILKY LAY SEDIMENTS
- av SALT CHUCK
- ay SALT EVAPORITES
- az SALT CRUST
- ba BUILDING
- bi INDUSTRIAL
- bm MINE
- bu BUILT-UP AREA
- by CEMETERY
- cb BOULDERS
- cc COBBLES
- cl CLAY
- cn SNOW COVER
- co CONCRETE
- cr GRAVEL
- cs SAND
- cv ROCK OUTCROP
- cz ROCK RUBBLE
- dd DEBRIS
- dl LANDING
- dr ROAD
- ds SETTLING POND
- dy PLAYA
- ea RESERVOIR MARSH
- eb RAILWAY SIDING
- ec RESERVOIR SPOIL
- ed ROAD SURFACE
- ee RUNWAY
- ef TRAIL
- eg WHARF
- eh URBAN
- ek WATER
- el LAKE
- em SEDIMENTS
- en SEEPAGE
- eo RIVER / STREAM

Note: Trees categories (fa, ac, rc, rz) not labelled over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I records)
- AF ALPINE FOREST -Species
- CL CLIFF
- CL CLAY BANK
- GL GRASS / BAR
- HE HERBFIELD
- HF HERBFIELD
- MUD MUDFLAT

- NPBR NON PRODUCTIVE BRUSH
- NPDS NON PRODUCTIVE DESC
- NPF NON PRODUCTIVE FOREST -Species
- NTA NO TYPING AVAILABLE
- OR OROGRAPHIC
- ROCK ROCK
- S SNOW
- SWAMP

- SAND SAND
- TIDE TIDAL FLAT
- URBAN URBAN

- NC NON COMMERCIAL
- NF NON FORESTED LAND
- NP NON PRODUCTIVE
- OTHER OTHER (SPECIFY/DESCRIBE)
- NTA NO TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code processed 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
- D Disease
- I Insects
- L Logging
- M Mechanical
- N Non-Biological Injuries
- P Cone and Seedling Fungal Pathogens
- S Site Rehabilitation
- T Tree Improvement
- U Damage Unknown
- W Wildfire Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCOR utilizing either ARC or ArcMap. The Mapview example is of thinned RESULTS data.

The Ministry of Forests, Mines and Lands web application ArcMap is used to display and query silviculture information. Select the SILVICULTURE tab and click on "Display Silviculture Map" to turn on display values for:

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

Overflow Labels