Vegetation Map
092P058

BRITISH COLUMBIA
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 - 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 on this map is not to be used for navigation. Only 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
- Silviculture Opening in Vegetation
- Permanent Sample Plot (VRI)
- Research Installations

TRIM_Base Features:
- Ice Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airstrips
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Reservoirs - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- BW 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 (> 1:250,000 ha - 15 % hatch)
- Municipal boundary (< 1:250,000 ha) - 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 Fd (Douglas Fir) and He (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator Site Index / estimated SI
ex: 7 (141-250 yrs), 4 (16-25 m), 3 (26.1-50.4%), crown closure 1 (5-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

0001 - opening number valid for BCGS mapsheet 0000 - 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 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 Saleed January 2009.

NATIVE CONIFERS

Cw	Western Red Cedar
Y	CYPRESS
Fd	DOUGLAS FIR
F	Douglas Fir
Fd	Douglas Fir
Fdi	Interior Douglas Fir
Fd	Interior Douglas Fir
B	FIR (Balsam)
Bg	Grand Fir
Bg	Grand Fir
B	FIR (Balsam)
Bl	Alpine Fir
Hw	Western Hemlock
Hwm	Mountain x Western Hemlock hybrid
H	HEMLOCK
J	Rocky Mtn. Juniper
Js	Sawtooth Juniper
J	JUNIPER
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
PINE	
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pxj	Ponderosa Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pw	Western White Pine
Pa	WHITEBARK PINE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxw	Hybrid White
Sxl	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x Hudson hybrid
Y	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	Deciduous
D	Deciduous
Ep	APPLE
Ac	ALPINE Crab Apple
A	ALPINE DECIDUOUS or POPLAR
Av	Alder
Ava	Alder Hooker
Aul	Black Cottonwood
Ax	Hybrid Poplars
Ac	Black Cottonwood
A	ARBUTUS
Pa	Arbutus
Ep	APPLE
Ew	Alaska Paper Birch
Ewp	Alaska x Paper Birch hybrid
Ew	Paper Birch (white)
Ep	Prairie Crab
Ep	Wild Apple
Ac	Cascara
Ch	Bitter Cherry
Ch	Bitter Cherry
Ch	Choke Cherry
Dg	DOGWOOD
D	DOGWOOD
Dp	Pacific Dogwood (western flowering)
Hx	Hazelnut
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	Oak
Gb	Garry Oak
W	WILLOW
Wb	Black Willow
Wp	Pacific Willow
Wr	Peach-leaf Willow (Bonby's)
Ww	Pussy Willow (gray-leaved)
Wy	Yellow Willow
Wi	Willow (shrub-leaved)

UNKNOWN - OTHER

Xc	unknown conifer
Xh	unknown broadleaf
Xl	OTHER (tree not on list)
Zc	other conifer
Zh	other broadleaf

EXOTICS

Ep	APPLE
Ax	ASPEN, COTTONWOOD or POPLAR
Ab	ALPINE CUTTONWOOD or POPLAR
Eb	European Birch
Ekw	*Kirtland Willow
Ey	*Yellow Birch
Yc	CHERRY
Ycp	*Pin Cherry
Y	CYPRESS
Yo	*Port Orford Cedar
Ey	ELM
Eu	*Siberian Elm
Ey	ELM
Bw	*Shaeta Red Fir
Bn	*Noble Fir
L	LARCH
Lk	*Dahurian Larch
Ls	*Subalpine larch
MAPLE	
Mb	Box Elder
Mn	*Norway Maple
Mp	*Purpleleaf Maple
OAK	
Or	*English Oak
Orn	*White Oak
OTHER EXOTICS	
Ot	*Tree of Heaven
Oh	*Giant Hercules
Ok	*Coast Redwood
Ofg	*Green/Red/Black Ash
Ofp	*American Ash (southern)
Ofw	*White Ash
Oh	Oregon Ash
Ob	*Osage Orange
Ot	*Tree-of-Heaven
Q	Tree-of-heaven
Ow	*Japanese Walnut
PINE	
Pn	*Monterey Pine
Pp	*Red Pine
Pp	*Austrian Pine
SPRUCE	
Sn	*Norway Spruce

Line 4

4a AGE CLASS

CODE	LIMITS (years)
1	0-20
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 - 9.9
2	10.0 - 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)
1	0 - 5
2	6 - 5
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
4d SI is an estimate of the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the dominant and co-dominant trees and is derived from the inventory age and height, calculated SI is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX
4e SI is estimated site index curves (I) trees almost present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes the estimated site index. Site Index Source and Inventory Type Group and SI estimated source code.

Line 5 Vegetation records

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

NON-TREED SHRUB
- s SHRUB - shrub with average shrub height > or = to two metres.
- d SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- he HERB - herb with no distinction between forbs and graminoids.
- hf HERB - FORBS - herb with forbs > 50% of the herb cover.
- hg HERB - GRAMINOIDS - herb with graminoids > 50% 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, liverwort, and hornwarts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- rl Exposed Land
- rc Rock / Rubble
- rs Snow / Ice

NON VEGETATED CATEGORIES (for V and I records):

aa	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
ac	CAMPSITE	ic	ICE CAP	mv	MUDFLAT SEDIMENT SPOILS
ld	BUCKFIELD	ir	LAVA BED	nr	OCEAN
lb	BIOENGR	l	LANDING	nr	OTHER
lc	CULTURAL AREA	ls	LANDSLIDE LAKE SEDIMENTS	nr	RESERVOIR COVER
ce	CUTBANK	lp	LPEG PIT MINE	nr	RESERVOIR
lg	GRASSLAND	lv	LIVESTOCK RANGE	nr	WATERBODY
gl	GLACIER				

Note: Water categories (lk, sc, nr, li) not labelled over 50 percent coverage.

nb	RESERVOIR MARGIN		
nr	RIVER SEDIMENTS		
nr	ROCK SEDIMENTS		
rr	ROAD SURFACE		
nr	SEA		
nr	TIDAL MUD		
nr	WATERBODY		

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

A	ALPINE	NP	NON PRODUCTIVE
AT	ALPINE TREE FOREST-Species	NPB	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBG	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species
DU	DUNE / BEACH	NPM	NON PRODUCTIVE MINE
GR	GRASS PIT	OPEN	OPEN RANGE
ICE	ICEFIELD	P	HAYFIELD
M	MARSH	S	SWAMP
MUD	MUDFLAT	T	TIDEMAT

SAND	SAND		
SILT	SILT / CLAY		
URBAN	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NPR	NON PRODUCTIVE RESTOCKED		
NTA	NOT TYPING AVAILABLE		

Line 6 - Disturbance History

Disturbance type code preceded by symbol, followed by earliest date
Where more than one disturbance type designates category, refer to official code list for sub-category descriptions.

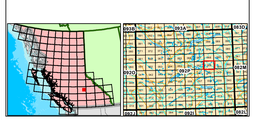
A	Animal Damage	L	Logging
B	Wildfire	M	Mine Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases Insects	P	Cone and Seeding Fungal Pathogens
R	Site Rehabilitation
S	Scarification
V	Damage Unknown
Y	Problem Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed 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 Data" to turn on display values for :

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



Overflow Labels