0920063

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
0920063

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 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, 2016

MAP SYMBOLOGY

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

TRIM. Base Features:
- As-Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- AirFerries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Ax/Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

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 - Tantalis
- Municipal boundary (< 1,000,000 ha) - (5 % hatch)
- Municipal boundary (> 1,000,000 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
O 07	1 Silviculture symbol and Opening Number
E 12	2 Polygon Number and multi-layer stand indicator (L)
Cw 70	3 Species Composition
Hw 30	4 Age, Height, Crown Closure Class Code - separator Site Index / estimated SI
Cw 6	ex. stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-15%), SI 20m
INAT	5 Vegetated Density Class (or Non-Forest/Productive Description)
OLO9	ex. a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
	6 Disturbance History & year - ex. Logged in 1978

Line 1 - History Record Opening Number

xxxx - opening number valid for BCGS mapsheet

xxxx - 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 4.5 dataed January 2009.

NATIVE CONIFERS

C CEDAR	
Cw	Western Red Cedar
Y	Yellow Cedar
F DOUGLAS FIR	
Fd	Douglas Fir
FdC	Coastal Douglas Fir
Fdl	Interior Douglas Fir
B FIR	
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
HxM	Mountain x Western Hemlock hybrid
J JUNIPER	
Jr	Rocky Mt. Juniper
Js	Sweetuk juniper
L LARCH	
La	Subalpine Larch
Lt	Tamarack
Lw	Western Larch
P PINE	
Pa	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine (interior)
Plc	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Pli	Lodgepole Pine (alpine)
Pla	Shore Pine (coast)
Pw	Western White Pine
Pxw	Whitebark Pine
Py	Ponderosa Pine (yellow)
S SPRUCE	
Se	Engelmann Spruce
Sep	Engelmann Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxb	Spruce hybrid White
Sxi	Sitka x White
Sxs	Sitka x unknown hybrid
T YEW	
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dx	Hybrid
E	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Ab	Black Cottonwood
Ae	Trembling Aspen
Ax	Trembling Aspen
R	ARBUTUS
Rm	Arbutus
G	GARRY OAK
Ga	Alaska Paper Birch
Gp	Paper Birch (Alaska hybrid
Gw	Paper Birch (White)
Ew	Water Birch
K	CASCARA
Ac	Cascara
V	CHERRY
Vm	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
W	DOGWOOD
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
Qx	Oak hybrid
Xc	Bebb's Willow
Xb	Pacific Willow
Xh	Hooker's Willow (Barrida?)
Xm	Pussy Willow (gray-leaved)
Xs	Scouler's Willow
Xw	Willow (unknown leaved)

UNKNOWN - OTHER

X	unknown conifer
Xh	unknown hardwood
Xl	unknown (broad or list)
Z	other conifer
Zh	other hardwood

EXOTICS

Ux	APPLE
Ax	ASPEN, COTTONWOOD or POPLAR
Act	*Southern Cottonwood
U	BIRCH
Uc	*Common Birch
Ues	Silver Birch (swamp)
Uy	*Yellow Birch
Uw	*White
Vs	Sweet Cherry
	CHYRSES
Yc	*Lawson Cyprus
	Fifft (Elaterium)
Be	*Balsam Fir
Bn	*Noble Fir
Bpa	*Shasta Red Fir
Bs	*White Fir
Lk	*Dahurian Larch
Ls	*Siberian Larch
Lx	Hybrid
Mr	Rio Elder
Mh	*Norway Maple
Mp	*Sycamore Maple
Oa	Ash
Qa	*English Oak
Qb	*White Oak
	OTHER EXOTICS
Ox	*Giant Sequoia
Oe	*European Beech
Ow	*European Mountain Ash
Os	Siberian Elm (southern)
Ou	*Japanese Elm
Op	Oregon Ash
Oc	*White Ash
Oh	*Common Hickory
Ot	*Tree-of-Heaven
Ok	Japanese Walnut
Pn	*Monterey Pine
Pc	*Red Pine
Pp	*Ponderosa 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	141-250
9	251 +

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 - 15
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

All SI are shown to the nearest metre referenced at 50 years breast height age. SI curves are those used by the province's leading species. When an accurate SI cannot be obtained from age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees arenot present, e.g. Deciduous stands. SI is estimated from the site series and ecosystem it represents it. Associated fields in the data base are Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records ( )

VEGETATED NON-TREE CATEGORIES (for V and I record•)

NON-TREED SHRUB

sl	SHRUB LOW - shrub with average shrub height > or = to two metres.
sl	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 > 50% of the herb cover.
hg	HERB - GRAMINOIDS - herb with garminoids > 50% of the herb cover.

NON-TREED BRYOID

bs	BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
bm	BRYOID - MOSSES - bryoid with mosses > 50% of the bryoid cover.
bl	BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I record•)

ap	AIRPORT	gp	GRAVEL PIT
be	BEACH	lk	LAKE
br	BORROWFIELD	rb	RIVER BED
rr	BEDROCK	ls	LANDSLIDE
bu	BURNED AREA	la	POND or LAKE SEDIMENTS
cb	CUTBANK	sn	PERMANENT SNOW
ds	EXPOSED SOILS	mr	MORAINE
gl	GLACIER		

Note: Water categories (lk, rb, rr) not labelled over 90 percent coverage.

mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
rp	RUBBLY MINE SPOILS	rw	RAILWAY SURFACE
ro	OTHER	rs	ROAD SURFACE
rd	OTHER	rc	ROAD SURFACE
ps	SNOW COVER	ta	TALUS
sw	SNOW/WATER	tz	TIDAL FLAT
wa	RIVER / STREAM	ur	URBAN

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for V record•)

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species
D	DEBRIS / TALUS	NPN	NON PRODUCTIVE
GM	GRAVEL PIT	OC	OPEN RANGE
ICE	ICEFIELD	P	HAYFIELD
L	LOW BRUSH	R	ROCK
MUD	MUD FLAT	S	SWAMP
SAND	SAND		
SF	SILT / FAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NPRE	NON PRODUCTIVE RESTOCKED		
NTA	NO TYPING AVAILABLE		

Line 6 - Disturbance History

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

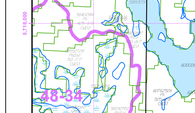
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

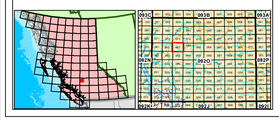
Example Opening History Details

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

OPENING ID
OPENING LABEL3
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

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