093L025

Vegetation Map
093L025

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 displayed on this map is approximate and is to date Cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only. (Last revisions June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Structure Opening in Vegetation
- Permanent Sample Plot (CVS)
- Research Installations

TRIM, Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Aw/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 (< 1:500,000 ha - 15 % hatch)
- Municipal boundary (< 1:500,000 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 Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separated by a slash. Site Index / estimated SI
ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-15%), SI 20m
5 Estimated Site Index / estimated source code
ex: a fresh 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

opening number valid for BCGS mapsheet — 2XXP - 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 dated January 2009.

NATIVE CONIFERS

Cw	Western Red Cedar
Y	CYPRESS
Ac	Alaska Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Bg	Grand Fir
Bp	Cascade Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hw	Western Hemlock
Hm	Mountain Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulor Juniper
Je	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Plx	Provincial Pine Lodgepole hybrid
Pli	Shore Pine (coast)
Pli	Shore Pine (interior)
Pw	Western White Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sxw	White Spruce hybrid
Sx	Spruce hybrid
Sxl	Sitka x Lutz Spruce
Sxs	Sitka x White
Sxx	Sitka x unknown hybrid
Ss	Sitka Spruce
Te	Western Yew

NATIVE HARDWOODS

D	ALDER
Ad	Alder sp.
U	APPLE
At	Pacific Crab-Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Aspen
Act	Balsam Poplar
Act	Black Cottonwood
Ax	Aspen Hybrid
At	Trembling Aspen
E	BIRCH
Ea	Alaska
Ep	Alaska Paper Birch
Epx	Alaska x Paper Birch hybrid
Ew	Paper Birch (white)
Ey	Yellow Birch
C	CASCARA
Cc	Cascara
Cx	Cascara hybrid
Vc	Bitter Cherry
Vv	Choke Cherry
Vm	Pin Cherry
X	DOGWOOD
Qg	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
G	OAK
Gg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wpb	Pacific Willow (Barclay's)
Wrf	Rocky Willow (grey leaved)
Ws	Sitka/Hb Willow
Wsf	Sitka Willow (dull-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xh	unknown hardwood
Xc	unknown conifer
Z	OTHER (tree not on list)
Zo	other conifer
Zh	other hardwood

EXOTICS

Ue	ELM
Uea	ASPEN, COTTONWOOD or POPLAR
Ueb	Southern Cottonwood
Ueh	White Oak
	OTHER EXOTICS
Oa	*Acomas Cedar
Og	*Giant Sequoia
Oj	*Japanese Cedar
Oja	*European Mountain Ash
Oje	*Siberian Elm (southern)
Oo	*Monterey Cypress
Oq	Oregon Ash
Ow	*White Ash
Ow	*Black Walnut, Hickory
Ot	Tree of Heaven
Ok	Japanese Walnut
Op	Pear
Ox	*Monterey Pine
Pr	*Red Pine
Pa	*Austrian Pine
	SPRUCE
Zs	*Norway Spruce
Sa	Silver Birch (swamp)
Sb	Silver Birch (upland)
	SWEET CHERRY
Vs	Sweet Cherry
	CYPRESS
Y	Yellow Cypress Cedar
	LARCH
Ld	*Dahurian Larch
Le	*European Larch
	MAPLE
Mk	Box Elder
Mr	Red/Swamp Maple
Ms	*Scheresis Maple
	OAK
Gb	Bur Oak
Gs	*White Oak
	OTHER EXOTICS
Oc	*Incense Cedar
Oc	*Giant Sequoia
Oj	*Japanese Cedar
Oja	*European Mountain Ash
Oje	*Siberian Elm (southern)
Oo	*Monterey Cypress
Oq	Oregon Ash
Ow	*White Ash
Ow	*Black Walnut, Hickory
Ot	Tree of Heaven
Ok	Japanese Walnut
Op	Pear
Ox	*Monterey Pine
Pr	*Red Pine
Pa	*Austrian Pine
	SPRUCE
Zs	*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	101-140
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 - 29.4
4	29.5 - 37.4
5	37.5 - 48.4
6	48.5 - 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 may be estimated by a variety of forest hosting species. Where 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. Recently logged areas. Type Group and SI Estimated source code precedes 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 records)

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

NON-TREED HERB
- he HERB - herb with no distinction between forbs and graminoids.
- H HERB - FORBS - herb with forbs > 50% of the herb cover.
- G HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- bs BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverwork, and hornwork > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

NON VEGETATED
- n NON-VEGETATED
- rs Rock / Rubble
- w Snow / Ice

ve	LAKE	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
va	BEACH	s	SAND	mr	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lb	LAVA BED	oc	OCEAN
br	BEDROCK	li	LANDFILL	or	RIVER
ea	EXPOSED AREA	ml	MINERAL LAKE SEDIMENTS	os	SNOW COVER
cb	CUTBANK	op	OPEN PIT MINE	re	RESERVOIR
es	EXPOSED SOILS	mw	MOKAMIE		RIVER / STREAM

Note: Water categories (ie. ve, or, re) not labelled over 90 percent coverage.

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

NP	NON PRODUCTIVE	NPBS	NON PRODUCTIVE BRUSH	SAND	SAND
AF	ALPINE FOREST (Species)	NPMS	NON PRODUCTIVE MUSKEG	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
F	FORESTED	OAF	OPEN ALPINE FOREST (Species)		
GL	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
LA	LAKE	R	ROCK	NCR	NON COMMERCIAL RESTOCKED
MUSKEG	MUSKEG	S	SAND	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	S	SWAMP	NTA	NO TYPING AVAILABLE

RP	RESERVOIR MARGIN
rm	RAILWAY SURFACE
rs	ROADS SEGMENTS
rz	ROAD SURFACE
tl	TALUS
tw	TAILINGS
ur	URBAN

Line 6 - Disturbance History

Disturbance type code preceded by symbol, followed by earliest date

First character of disturbance type designates category, refer to official code list for sub-category descriptions.

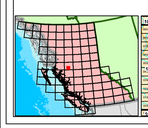
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Commercial Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Unknown Injuries
		V	Problem Vegetation

Example Opening History Details

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

The Ministry of Forests, Mines and Lands web application SILPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Options Map" to turn on display values for :

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



093L034 093L035 093L036
093L024 093L025
093L014 093L015 093L016
67-21 67-22 67-25
62
Nadina Natural Resource District
RANGE 5 COAST DISTRICT

Overflow Labels

093L025