Vegetation Map
092F100

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 product is derived from, and is to date Cadastral, administrative boundaries and the Ownership colour theme are for interpretive purposes only (Cadastral 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:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Ferries
- Other lines
- Powerlines
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroelectric Inlets - ERM
- Watercourses - ERM
- Waterbodies - ERM
- Wetlands - ERM
- Ocean - ERM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- NVC 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 hor. / 0.% hatch)
- Municipal boundary (< 1:200,000 hor. / no hatch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- NTS Map sheet 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 (Douglir Fir) and Hw (Western Hemlock);
4 Age, Height, Crown Closure Class Code - separator: 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 Site Index Estimate - ex: estimated site index based on inventory data
6 Stand Structure - ex: a two storied stand with trees in the main layer and trees in the lower layer
7 Vegetation Cover - ex: a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
8 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

nnnn - opening number valid for BCGS mapsheet
0001 - 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

C	CEDAR
Cw	Western Red Cedar
Y	YEW
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	BALSAM
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 Mtn. Juniper
Js	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (contorta)
Plx	Lodgepole x Jack Pine hybrid
Pm	Mountain Pine (Alpine)
Pfa	Silver Pine (Lowell)
Pw	Western White Pine
Pyb	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sxw	White Spruce
Sx	Spruce hybrid
Sxe	Spruce hybrid white
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Ss	Sitka Spruce
Yp	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dl	Sitka Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Ac	Balsam Poplar
Act	Black Cottonwood
Ap	Poplar hybrid
Ae	Trembling Aspen
E	BIRCH
Ep	Alaska Paper Birch
Ew	Alaska x Paper Birch hybrid
Ept	Paper Birch (white)
G	DOGWOOD
Gp	PACIFIC
Gs	Cascara
Gr	Red Osier
K	Bitter Cherry
V	Choke Cherry
Vu	Pin Cherry
M	MAPLE
Mb	Pacific Dogwood (western flowering)
Mv	Vine Maple
O	OAK
Q	Garry Oak
R	ROWAN
W	Scouler's Willow
Wp	Pacific Willow
Wpg	Pacific Willow (Barabyi)
Wr	Prairie Willow (gracilenta)
Ws	Sitka Willow
Wx	Willow hybrid (unreared)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xd	unknown deciduous
Z	OTHER (rare conifer NE)
Zc	other conifer
Zh	other hardwood

EXOTICS

	APPLE
Ua	Apple
Act	Black COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
	BIRCH
Ej	*European Birch
Ev	Silver Birch (exempt)
Ey	*Yellow Birch
	CHERRY
Yo	*Pond Orchard Cedar
	FIR (Balsam)
Bb	*Balsam Fir
Bc	Noble Fir
Bm	*Shasta Red Fir
Bp	Grand Fir
	LARCH
Ld	*Dahurian Larch
Le	*European Larch
	MAPLE
Me	Box Elder
Mn	*Norway Maple
Ms	*Sycamore Maple
	OAK
Oc	*Golden Oak
Or	*English Oak
	OTHER EXOTICS
Ox	*Incense Cedar
Ot	*Giant Sequoia
Ou	*Monterey Cypress
Ow	*European Mountain Ash
Ox	Siberian Elm (southern)
Op	*Empress
Og	Oregon Ash
Ot	*White Ash
Ok	*Japanese Katsura
Oj	Tree of Heaven
Oh	Japanese Walnut
	PINE
Pn	*Monterey Pine
Pr	*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)
1	6 - 10
2	11 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
	86 - 100

4d SITE INDEX

All SI are shown to the nearest metre referenced at 50 years breast height age. Site index is estimated from the following sources. Where an update SI is planned but obtained from age and height, estimated SI is shown either, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees cannot present, e.g. young stands, deciduous stands, etc. Site index is estimated from previous s.i. 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
- sl - SHRUB LOW - shrub with average shrub height < or = to two metres.
- sh - SHRUB HIGH - shrub with average shrub height > two metres.

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

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

NON-VEGETATED
- r - Rock / Rubble
- w - Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT
b	BURNED	k	LAKE
w	BOGWOOD	k	LAKE-MUD
w	BOGWOOD AREA	k	LANDING
m	CUTBANK	mi	MINE / GAS EASEMENTS
m	CUTBANK	mi	OPEN PIT MINE
ae	EXPOSED SOILS	mn	MORAINE
g	GLACIER		

mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARSH
o	OCEAN / MARINE SHOALS	rw	RESERVOIR WATER
o	OCEAN	rs	RIVER SEGMENTS
u	OTHER	u	ROAD SURFACE
r	ROCK / RUBBLE	s	SLIDE
rs	RESERVOIR	w	TAILINGS
	RIVER / STREAM	ur	URBAN

Note: Water categories (ie. ru, rl, rs) labeled over 90 percent coverage.

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

A	ALPINE	NPBR	NON-PRODUCTIVE BRUSH
AF	ALPINE FOREST/Subalpine	NPBU	NON-PRODUCTIVE BURN
C	CULTIVATED	NPBY	NON-PRODUCTIVE FOREST Openings
CL	CLEARING	NPC	NON-PRODUCTIVE CLEARING
GR	GRAVEL BAR	NPCL	NON-PRODUCTIVE CLEARING
GR	GRAVEL PIT	NPCR	NON-PRODUCTIVE CLEARING
M	MEADOW	NPF	NON-PRODUCTIVE FOREST
M	MEADOW	NPR	NON-PRODUCTIVE ROCK
MUD	MUDFLAT	S	SWAMP

	SAND		SAND
TIDE	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NCBU	NON COMMERCIAL BURN		
NFR	NOT IMPACTED BY HARVESTING		
NTA	NO TYPING AVAILABLE		

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.

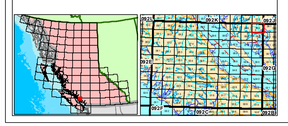
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
D	Deciduous and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

Example Opening History Details:

Detailed Silviculture information is available on the BCGW utilizing either RIF 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
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



Sunshine Coast Natural Resource District
NEW WESTMINSTER DISTRICT

TFL39
16
28-40
20
28-33
28-41
29-3
29-2
29-22
29-21
29-1
29-20
5111 1963
5127 1965
5427 1965
5457 1966

Overflow Labels