092G016

Vegetation Map
092G016

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRMS1 / Ownership
Base Map Source: TRIM / Partners

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 the ma are for reference purposes only. (Legend revisions June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Feature s:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (GY S)
- Research Installations

TRIM_Base Feature s:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf ields
- Other lines
- Powerlines
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroelectric - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- MV 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) - 1% 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 Inventory Number and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
ex: the most important layer is described as Fd (Douglit 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 Vegetated Density Class (or Non Forest/Productive Description)
ex: a herb polygon with no distinction between herbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1979.

Line 1 - History Record Opening Number

0001 - opening number valid for BCGS mapsheet
0001 - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRMS Polygon Number - ranging from one to nine digits
L Multi-layered stand i.e separate description of each layer is available in the data base, (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
Yc	Yellow Cedar
Fd	DOUGLAS FIR
Fdi	Douglas Fir
Fdc	Coastal Douglas Fir
Fdf	Interior Douglas Fir
Bg	Grand Fir
Ba	Amabilis Fir
Bg	Grand Fir
Fl	Subalpine Fir (alpine)
H	HEMLOCK
Hw	Mountain Hemlock
Hm	Western Hemlock
Hmx	Mountain Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Lw	Western Larch
Lt	Tamarack
La	Alpine Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Plx	Lodgepole Pine (interior hybrid
Pw	Western White Pine
Pxw	Whitebark Pine
Py	Ponderosa Pine
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	White Spruce hybrid
Sxl	Spruce hybrid
Sxw	Sitka x White
Sxs	Sitka x white hybrid
Sxs	Sitka x unknown hybrid
X	YEW
Yp	Western Yew

NATIVE HARDWOODS

D	ALDER
U	Red Alder
V	APPLE
Ep	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Ad	Black Cottonwood
Ae	Trembling Aspen
Ta	Trembling Aspen
R	ARBUTUS
Rm	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Ew	Water Birch (alaska) hybrid
Ew	Water Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
C	CHERRY
Vs	Bitter Cherry
Vc	Choke Cherry
Vm	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
Gr	Red-osier
M	Vigil ant Maple (deciduous)
Mv	Vine Maple
O	OAK
Gg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wpb	Pacific Willow (Barclay's)
Ww	Peachy Willow (gray-leaved)
Ws	Scouler's Willow
Wr	Sitka Willow (low-leaved)

UNKNOWN - OTHER

X	unknown
Xc	unknown conifer
Xh	unknown hardwood
Xs	unknown shrub (or tall shrub)
Z	other conifer
Zh	other hardwood

EXOTICS

Ma	MAPLE
Am	ASPEN, COTTONWOOD or POPLAR
At	*Southern Cottonwood
B	BIRCH
Ey	*Asian Birch
Ey	Silver Birch (swamp)
Ey	*Yellow Birch
Ep	LARCH
Ej	Eastern Cherry
Y	CYPRESS
Yo	*Monterey Cypress
Yo	Pine (Bishop's)
Bb	*Balsam Fir
Bn	*Noble Fir
Bp	*Shasta Red Fir
Bs	*White Fir
L	LARCH
Ld	*Dahurian Larch
Lk	*Japanese Larch
M	MAPLE
Mk	Box Elder
Mn	*Norway Maple
Mp	*Sycamore Maple
OAK	
Qa	*Algerian Oak
Qr	* White Oak
OTHER EXOTICS	
Ou	*Siberian Elder
Ob	*Giant Sequoia
Oc	*Common Horse Chestnut
Oe	European Mountain Ash
Ol	Siberian Elm (southern)
Oh	*Common Ash
Og	Oregon Ash
Ot	*White Ash
Ow	*Black Locust (Honey
Oj	Tree-of-heaven
Ok	Japanese Walnut
P	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Pu	*Scots 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 refered to the nearest metre referenced at 50 years Breast Height Age . SI is based on the age and height of the dominant trees. Site index curves are used to estimate the inventory age and height, estimated SI is shown after or replaces the SI.

4e: ESTIMATED SITE INDEX
SI is estimated when suitable SI trees cannot present, e.g., young stands (<10yrs). It is denoted by a slash which always follows the estimated SI value. Eg. 20/ is a 20 estimated SI. Site Type Group and SI Estimated source code

Line 5 Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I (sp1-sp6))

NON TREED SHRUB
- st SHRUB TALL - shrub with average shrub height > or = to two metres.
- s 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 graminoids > 50% of the herb cover.

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

NON-VEGETATED CATEGORIES (for V and I (sp4-sp6))

ap	AIRPORT	gr	GRAVEL PIT
be	BEACH	la	LAKE
bl	BOULDERFIELD	ra	RIVER
br	BEDROCK	s	SLIMEPIT
bu	BURNED AREA	tc	POND or LAKE SEDIMENTS
cu	CUTBANK	mi	OPEN PIT MINE
ds	DISTURBED SOILS	rec	ROCK
gl	GLACIER		
mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
rc	RUBBLY MINE SPOILS	rw	RAILWAY SURFACE
sn	SNOW	rd	ROAD SURFACES
o	OTHER	sl	ROAD SURFACE
ps	SNOW COVER	te	TALUS
w	WATER	tz	TIDAL ZONE
rv	RIVER / STREAM	ur	URBAN

Note: Water categories (la, ra, re, rv) not labelled over 80 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON-PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN
F	FOREST	NPF	NON-PRODUCTIVE FOREST (Species
G	GRASS, BAR	NTA	NOT TYPING CAPABLE
GR	GRAVEL PIT	OR	OPEN RANGE
H	HERBS	OT	OPEN TREED
M	MEADOWS	R	ROCK
MUD	MUDFLAT	S	SWAMP
SAND	SAND		
TEE	TIDALFLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NF	NON FOREST		
NFNR	NOT SUFFICIENTLY RESTOCKED		
NTA	NO TYPING AVAILABLE		

Line 6 - Disturbance History

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

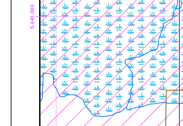
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seeding Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

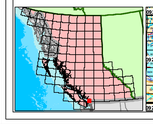
Example Opening History Details

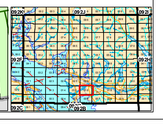
Detailed Silviculture information is available on the BCGW
MAPVIEW application as a map. The MapView example is
of these RESULTS data.

The Ministry of Forests, Mines and Lands web application
MAPVIEW is available to view this type of detailed information.
Select "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







Chilliwack Natural Resource District
NEW WESTMINSTER DISTRICT

092G016

092G016