Vegetation Map
092G070

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 compiled from up to date Cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revisions June 2014)

Lambs Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM, Base Features:
- Au Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydr/Man/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 - 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:

Cl 1 Fdi 5 Fdi 4 Hw 2 Bal 10

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 (Dougle Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure and Site Code - separator: Site Index / estimated (E)
ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 5 (6-15%), SI 20m for Douglas Fir and estimated site index for Western Hemlock
ex: a hwdy polygon with no distinction between forbs and graminoids, shrubs less that 2m.
5 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

nnnn - opening number valid for BCGS mapsheet nnnn* - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranges 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	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (BALSAM)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwk	Mountain x Western Hemlock hybrid
J	JUNIPER
Jc	Rocky Mtn. Juniper
Js	Sitka/Juniper
L	LARCH
Lt	Tamarack Larch
Lw	Western Larch
Lx	Hybrid
P	PINE
Pa	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (Interior)
Plg	Lodgepole x Jack Pine hybrid
Pli	Lodgepole Pine (Coastal)
Pm	Mono Pine (Coast)
Pmi	Mono Pine (Interior)
Pw	Whitebark Pine
Py	Ponderosa Pine
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Engelmann Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Interior Spruce White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
A	APPLE
Ap	Pacific Crab Apple
At	TREMBLING (COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Ae	Trembling Aspen
Ax	Hybrid Poplars
At	Trembling Aspen
E	BIRCH
Ea	Alaska
Ep	Alaska Paper Birch
Epa	Alaska Paper x Birch Hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Ce	Cascara
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vu	Unknown Cherry
Vt	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broadleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wpd	Peachleaf Willow (Banby's)
Wsl	Pussy Willow (grey leaved)
Wy	Sitka Willow
Wyb	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	unknown conifer
Xc	unknown coniferous
Xh	unknown hardwood
Xl	unknown (not on list)
Y	other conifer
Yh	other hardwood

EXOTICS

Ya	APPLE
Yp	Poplar
Ay	ASPEN, (COTTONWOOD or POPLAR)
Ayf	Southern Cottonwood
Ays	Aspen
Ew	European Birch
Ey	Silver Birch (swamp)
Ka	CHERRY
Kv	CHERRY
Ys	Sweet Cherry
Yu	Cherry
Yw	Pond Cultivd Cedar
Ba	Balsam Fir
Bp	Noble Fir
Bpa	Noble x Grand Fir
Bs	Silver Fir
Fb	White Fir
Lk	Dahurian Larch
Lsl	Siberian Larch
Lx	Hybrid
Mr	Red Alder
Mh	Norway Maple
Mp	Silver/Sycamore Maple
Qa	English Oak
Qb	Red Oak
Qx	OTHER EXOTICS
Ow	Incense Cedar
Ob	Monterey Cedar
Oc	Coast Redwood
Ow	European Mountain Ash
Oa	Mountain Ash
Or	Common Pear
Og	Oregon Ash
Ot	Other exotic
Ou	Shughandra Hickory
Ow	Black Walnut
Oj	Japanese Walnut
Ox	Hybrid
Pm	Monterey Pine
Pr	Red Pine
Ps	Scots Pine
Sn	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	141-200
9	201 +

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 is based on the age and height of the dominant and co-dominant trees. Site index curves are available with 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 (<50yrs). It is denoted by a slash which always precedes the estimated site index. Estimated site index inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON TREE CATEGORIES: (Sc/ V and I records)

- W WATER - shrub with average shrub height < or = to two metres.
- B BARE SOIL
- E SHRUB LOW - shrub with average shrub height < two metres.

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

NON TREED BRYOID
- Y BRYOID - bryoid with no distinction between mosses and lichens by cover.
- BM BRYOID - MOSS - bryoid with mosses, liverwrts, and hornworts > 50% of the bryoid cover.
- BL BRYOID - LICHEN - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED CATEGORIES: (Sc/ V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mi	RESERVOIR MARGIN
bl	BOULDERS	ic	ICE	mr	RUBBLY MINE SPOILS
bl	BLOCKFIELD	la	LAKE-MISC	ms	SALT MARSH/MUDFLATS
bu	BUILDING	lo	OCEAN	mt	SCRUB SLIMES/TAILS
bu	BURNED AREA	lr	POND or LAKE SEDIMENTS	tl	TALUS
cl	CLIFF/CANYON	mn	MINE - OPEN PIT	ta	TAILINGS POND
ev	EXPOSED ROCK	mn	MINE	ur	URBAN
gl	GLACIER				

Note: Water categories (lk, la, re, ri) not labelled over 90 percent coverage.

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

A	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
BRU	BRUSH FOREST-Species	NPBR	NON-PRODUCTIVE BRUSH	SAT	SATURATED
CL	CULTIVATED	NPBU	NON-PRODUCTIVE BURN	V	VERSAN
CL	CLAY BANK	NPF	NON-PRODUCTIVE FOREST -Species		
FOR	FOREST-Species	NPM	NON-PRODUCTIVE-MALAHAT	NC	NON COMMERCIAL
GR	GRAVEL PIT	O	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NPBR	NON PRODUCTIVE BRUSH
MUD	MUDFLAT	S	SWAMP	NTA	NOT TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code preceded by symbol, followed by earliest date
Use appropriate disturbance type designates category, refer to official code list for sub-category descriptions.

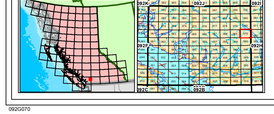
A	Animal Damage	L	Logging
B	Wildfire	M	Mechanical Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
	Insects		
R	Site Rehabilitation		
U	Unknown Damage		
V	Problem Vegetation		

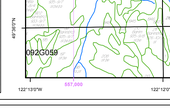
Example Opening History Details

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:

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





092G079
092G080
092H071
092G070
092G069
092G060
092G059
092H061
092H051
10-12C
10-12B
10-12A
10-11A
10-9E
10-9G
9-5
124
Chilliwack Natural Resource District
NEW WESTMINSTER DISTRICT

Overflow Labels