Vegetation Map
092L085

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 in 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)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM, Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Helip
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydr/Aer/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

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 (1:1,000,000 ha - 1% hatch)
- Municipal boundary (1:1,000,000 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:

Fd 1 Cw 2 Hw 3 Fdi 4 Bal 5 Cw 6

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 (Dougla 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 5 (6-15%), SI 20m
5 Species Composition - non-dominant species/species in trace quantities
ex: a hw/s polygon with no distinction between fd/bl and grams/vds, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

xxxx - opening number valid for BCGS mapsheet zzzzz - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - assigned 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	FIR (balsam)
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	Fir (Balsam)
Bg	Grand Fir
Bgi	Interior Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwk	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sweede Juniper
L	LARCH
La	Subalpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodge Pine
Plc	Lodgepole Pine
Plc	Lodgepole x Jack Pine hybrid
Pli	Lodgepole Pine (interior)
Pla	Shore Pine (coast)
Pw	Western White Pine
Pw	Whitebark Pine
Py	Ponderosa Pine
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Spruce hybrid
Sw	White Spruce
Sx	Spruce hybrid
Sxb	Sitka x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Sx	Sitka
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
C	APPLE
Cp	Pacific Crab Apple
Ac	BLACK COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
At	Trembling Aspen
Ax	Hybrid Poplars
At	Trembling Aspen
E	ELDER
Ea	Alnicha
Ew	Red Elder
Ea	Alaska Paper Birch
Ep	Paper Birch Paper Birch Hybrid
Ea	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
K	Cascara
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vu	Unknown Cherry
Gd	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broad-leaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bonita'is)
Wd	Pussy Willow (grey leaved)
Wr	Red Willow
Wt	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	unknown conifer
Xc	unknown hardwood
Xh	unknown (conif or bir)
Zc	other conifer
Zh	other hardwood

EXOTICS

Y	APPLE
Ya	Apple sp.
Ac	ASPEN, COTTONWOOD or POPLAR
Ap	Southern Cottonwood
Ay	Aspen
Ew	European Birch
Ey	Silver Birch (exampl)
Ey	Yellow Birch
E	CHERRY
Ys	Sweet Cherry
Yu	Cherry sp.
Y	Pond Colored Cedar
Yp	Japanese Cedar
Ba	Basket Fir
Bn	Noble Fir
Bm	Whalley Red Fir
Bc	White Fir
Bp	Silver Fir
Ld	Dahurian Larch
Lk	Siberian Larch
Le	Larch
Mr	Box Elder
Mr	Norway Maple
Mp	Sycamore Maple
O	OAK
Qe	English Oak
Qr	Red Oak
	OTHER EXOTICS
Ow	Incense Cedar
Ol	Monterey Cedar
Ox	Coast Redwood
Ow	European Mountain Ash
Ow	European Rowan(Ash)
Of	Common Pear
Og	Oregon Ash
Ot	Tree of Heaven
Ot	Shagbarck Hickory
Oj	Japanese Larch
Ok	Japanese Walnut
P	PINE
Pm	Monterey Pine
Pr	Red Pine
Ps	Scots Pine
S	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 estimates from 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 (<50yrs). It is identified by a slash which always precedes the estimated site index value. Estimated from Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I records)

SHRUBS
- sh SHRUB TALL - 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 graminoids > 50% of the herb cover.

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

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	ms	MUDFLAT SEDIMENT
bl	BOULDERS	h	HERB	mp	ROBBOY MINE SPOILS
bl	BLOCKFIELD	la	LAKE-MUD	or	OCEAN
bs	BOULDER SLOPE	lk	LAKE	or	OCEAN
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS	pr	SNOW COVER
cb	CLIFF/BANK	mi	MINE	rc	ROCK OUTCROP
eb	EXPOSED SOILS	mi	WORKINGS	ri	RIVER / STREAM
gl	GLACIER				

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

rr	RESERVOIR MARGIN
rw	RAILWAY SURFACE
sd	SEDIMENTS
ro	ROAD SURFACE
ta	TALUS
ta	TAILINGS
ur	URBAN

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

A	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
BRU	BRUSH FOREST-Species	NPBR	NON-PRODUCTIVE BRUSH	SILT	SILT/MUDFLAT
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON-PRODUCTIVE FOREST -Species		
FAL	FLOOD PLAIN	NPFL	NON-PRODUCTIVE-FALWLS	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
L	LAKE/POND	S	SWAMP	NSR	NON STOCKED / NESTOCKED
MUD	MUDFLAT	S	SWAMP	NTA	NOT TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code preceded by symbol, followed by earliest date
The first digit of disturbance type designates category, refer to official code list for sub-category descriptions.

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

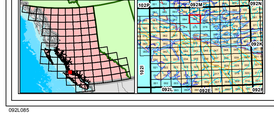
Example Opening History Details

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 Data" to turn on display values for:

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





Overflow Labels