Vegetation Map
092F037

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 portrayed may not be complete and 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, 2014

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture 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
- Air Fields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolines/Rivers - 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 Licences - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary (> 1,000,000 ha) - no hatch
- Municipal boundary (< 1,000,000 ha) - 15 % 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 - separator - Site Index / estimated SI
ex. Fd is age class 3 (41-80 yrs), height class 4 (22.5 - 27.4 m), crown closure class 5 (6-15%), SI 20m
5. Vegetated Density Class (or Non-Forest/Protective Description)
ex. a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6. Disturbance History & year - ex. Logged in 1978

Line 1 - History Record Opening Number

'OOO' - opening number valid for BCGS mapsheet — '8OOO' - 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 4.6 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 (Subalpine)
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
K	KINNIKINNICK
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Ancient Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (contorta)
Plx	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	White Pine
Pwi	Western White Pine
Pxw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxe	Engelmann x White
Sxs	Sitka x White
Sxw	White x Unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	APPLE
Ep	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Ae	Trembling Aspen
Ah	Hybrid Poplars
At	Trembling Aspen
A	BIRCH
Ay	Alaska Paper Birch
Ayw	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Bo	Water Birch
K	CASCARA
G	DOGWOOD
Q	OAK
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Dg	Garry Oak
Qg	Garry Oak
Wp	POPLAR
Wa	Alaska Willow
Wp	Pacific Willow
Wr	Red Willow (Drummondiana)
Wsp	Pacific Willow (grey leaved)
Ws	Scouler's Willow
Wt	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	other (conservation list)
Zc	other conifer
Zh	other hardwood

EXOTICS

W	APPLE
Ax	ASPEN, COTTONWOOD or POPLAR
Ad	* Southern Cottonwood
Ae	* Aspen
Ea	European Birch
Ep	Silver Birch (exempt)
Ew	* White Birch
F	CHERRY
Vs	Sweet Cherry
Vv	* Hybrid Cherry
Y	* Pond Orchard Cedar
Fb	FIR (Balsam)
Bb	* Balsam Fir
Bc	* Corkbark Fir
Bm	* Sharp-leaved Fir
Bs	* White Fir
L	LARCH
Le	* European Larch
Lj	* Japanese Larch
Lk	* Siberian Larch
M	MAPLE
Mr	* Red Alder
Mx	* Norway Maple
Ms	* Sycamore Maple
O	OAK
Qe	* English Oak
Qw	* White Oak
C	CEDAR / CYPRESS
Cs	* Incense Cedar
Ch	* Giant Sequoia
Cv	* Monterey Cypress
Ct	Chestnut Ash
Ow	* White Ash
Ob	* Singleleaf Ashory
Ol	* Green Ash
Ot	* Black Walnut
PW	PINE
Pm	* Monterey Pine
Pn	* Austrian Pine
Ps	* 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 - 22.4
4	22.5 - 27.4
5	27.5 - 31.4
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

Site Index is the research norm referenced at 50 years Breast Height Age. SI is based on the age and height of the leading species. When 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 accurate SI is not known and/or present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes it. Associated fields in the data base are Inventory Type Group and ESI (denotes source code).

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (1st V and 1st non-V):

sp	SHRUB - PRUNE
sl	SHRUB TALL
sr	SHRUB LOW

- shrub with average shrub height >= to two metres.
- shrub with average shrub height < two metres.

hg	HERB - GRAMINOID
hf	HERB - FORBS
hg	HERB - GRAMINOID

- herb with no distinction between forbs and graminoids.
- herb with forbs > 50% of the herb cover.
- herb with graminoids > 50% of the herb cover.

NON VEGETATED

al	Exposed Land
ro	Rock / Rubble
w	Water / Ice

NON-VEGETATED CATEGORIES (1st V and 1st non-V):

ac	ALPINE	mg	MUD/FLAT SEDIMENT
ar	BEACH	mr	RUBBLY MINE SPOILS
bl	BLOCKFIELD	oc	OCEAN
cb	BOULDER	ri	RIVER
cu	BUNKE/CAMP/LA	sn	SNOW/ICE
ch	CUTBANK	mi	RESERVOIR
rs	EXPOSED ROCKS	ri	RIVER/STREAM
gl	GLACIER		Note: Water categories (ri, mi) included as a % percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (1st / rec'd):

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
BY	BOG/MUSKEG	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NOT YET INVENTORIED
GC	GRAVEL PIT	OR	OPEN RANGE
H	HERBFIELD	P	HAYFIELD
M	MEADOW	R	ROCK
WD	MUD FLAT	S	SWAMP

SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NSR	NOT SUFFICIENTLY RESTOCKED		
NTA	NOT YET INVENTORIED		

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
C	Cone	M	Mite Damage
E	Cone 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
		W	Problem Vegetation

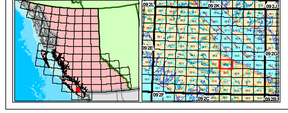
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of the new E 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 LABEL2
ACTIVITY - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

092F037