Vegetation Map
093E099

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 / Terrain

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to facilitate printing at various scales and for specific areas of interest. Consequently, some features may appear dashed or pixilated 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, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Structure Opening in Vegetation
- Permanent Sample Plot (2013)
- Research Installations

TRIM. Base Features:
- 4x Built Roads
- Forest Tenure Road Links
- Paved Roads
- Rough Roads
- Overpasses
- Railways
- Cut Fairlines
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeatures - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region Boundary
- Resource District boundary - FADM
- REV 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 (if > 1,000,000 ha - 15 % hatch)
- Municipal boundary (if < 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:

LINE DESCRIPTION
1 Structure 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 (Douglis Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator: Site Index / estimated SI
ex. Layer 1 is 121-140 years old (age class 7,C), 19-24m(ht. crown closure class 1 (6-15%), SI 20m
5 Inventory Type Group (ITG) Number (Descriptor)
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

OPNG - opening number valid for BCGS mapsheet. ZOPP - 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	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
H	HEMLOCK
Hw	Western Hemlock
Hm	Mountain Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Pli x Ple	Provincial Pine (pli/ple)
Ple	Shore Pine (coastal)
Pf	Limber Pine (foxtail)
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sxw	Hybrid White
Sxe	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x Unknown hybrid
Ss	Sitka
Yp	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Uv	Pacific Crab Apple
A	BALSAM, COTTONWOOD or POPLAR
At	Peachleaf Willow
Act	Balsam Poplar
Ac	Black Cottonwood
Ax	Hybrid Poplar
E	BIRCH
R	ARBUTUS
Rm	Pacific
Ep	BIRCH
Ea	Alaska Paper Birch
Eap	Alaska Paper Birch Hybrid
Ew	Paper Birch (white)
Ew	Water Birch
Ek	Kenai Birch
C	CASCARA
Cl	Cascara
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
O	OAK
Gb	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bantaly's)
Wa	Peachleaf Willow (Bantaly's)
Wsp	Sitka/Pacific Willow hybrid
Ws	Scouler's Willow
Wx	Unknown Willow (tree leaved)

UNKNOWN CONIFER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xl	OTHER (tree not on list)
Zx	other conifer
Zh	other hardwood

EXOTICS

Y	APPLE
Yp	APPLE
A	BALSAM, COTTONWOOD or POPLAR
Ap	Southern Cottonwood
B	BIRCH
Ey	European Birch
Ey	Silver Birch (exempt)
Yc	CHERRY
Yc	CHERRY
Y	CYPRESS
Yn	Nootka False Cedar
Yn	FIR (Balsam)
Bb	Balkan Fir
Bn	Noble Fir
Bp	Shasta Red Fir
Bc	Veitchi Fir
L	LARCH
Lp	European Larch
Lj	Japanese Larch
M	MAPLE
Mr	Red Maple
Mr	Norway Maple
Ms	Sycamore Maple
O	OAK
Gc	English Oak
Gs	White Oak
P	PINE
Pa	Austrian Pine
Pa	Austrian Pine
Pc	Corsican Pine
Ps	Scots Pine
Pm	Mugo Pine
Pn	Monterey Pine
Pp	Ponderosa Pine
Pp	Ponderosa Pine
Pj	Japanese Red Pine
Pp	Pine
Pn	Monterey Pine
Pr	Red Pine
Pp	Ponderosa Pine
Pp	Sugar 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	141-250
9	251+

4b. HEIGHT CLASS

CODE	LIMITS (metres)
1	0.1 - 10.0
2	10.5 - 13.4
3	13.5 - 16.4
4	16.5 - 19.4
5	19.5 - 22.4
6	22.5 - 25.4
7	25.5 - 28.4
8	28.5 - 31.4
9	31.5 +

4c. CROWN CLOSURE CLASS

CODE	LIMITS (percentage)
1	0 - 5
2	6 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
0	86 - 100

4d SITE INDEX
Site index is based on the nearest metre 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 sample trees, a conservative SI estimate may be made to

4e. ESTIMATED SITE INDEX
Estimated site index is based on the species present, e.g. young stands or Opens. It is recorded to a depth which always precedes it. Associated fields in the data base are Inventory Type Group and VP Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I record):

NON-TREED SHRUB
SS - SHRUBS - shrub with average shrub height < or = to two metres.
SH - SHRUBS TAM - shrub with average shrub height > two metres.

NON-TREED HERB
HF - HERB - herb with no distinction between forbs and graminoids.
HE - HERB / FORBS - herb with forbs > 50% of the herb cover.
HG - HERB / GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED WETLAND
MM - MARSH - shrub with no distinction between increaser and forbers by cover.
SH - SHRUBS - MOSS - ground with mosses, liverworts, and hornworts > 50% of the ground cover.
MH - MARSH / LICHENS - ground with lichens > 50% of the ground cover.

NON-VEGETATED CATEGORIES (for V and I record):

bl BLUFF	ma MUDFLAT SEDIMENT	rm RESERVOIR MARGIN
be BEACH	mf FLOWING MINE SPOILS	rw RAILWAY SURFACE
bo BOULDERFIELD	ml LAKE	rr ROCK OUTCROP
bi BIOGROCK	s LANDING	rd ROAD SURFACE
ca CANYON/RAVINE	sd LANDING AND SEDIMENTS	sl SLIDE
du DUTERRAIN	sg GRAVEL PIT AREA	tz TALUS
ex EXPOSED SOILS	mo MORAINE	ur URBAN
gl GLACIER		

Note: Water categories (ta, tb, tc, tl) not identified over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I record):

AF ALPINE FIR	NPB NON PRODUCTIVE BRUSH	SAND SAND
AT ALPINE TUNDRA (Species)	NPBR NON PRODUCTIVE BRUSH	SFM SEMI-FLAT
CL CLAY BANK	NPF NON PRODUCTIVE FOREST (Species	SL SILT
DU DUTERRAIN	NPM NON PRODUCTIVE MOSS	NC NON-COMMERCIAL
GBL GRAVEL PIT	OTA OTHER AMOUNT	NCBR NON COMMERCIAL BRUSH
KB KOPJE/KLD	P HAYFIELD	NP NON PRODUCTIVE
MAR MARSH	R ROCK	NSR NOT SATISFACTORILY RESTOCKED
MUD MUDFLAT	S SWAMP	NTA NOT TYPED AVAILABLE

Line 6 - Disturbance History

Disturbance type code preceded by symbol, followed by earliest date
For a more detailed disturbance type designates category, refer to official code list for sub-category descriptions.

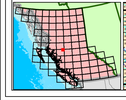
A	Animal Damage	L	Logging
B	Wildfire	M	Mote Damage
C	Cones and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seedling Fungal Pathogens
I	Insects	S	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

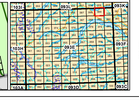
Example Opening History Details

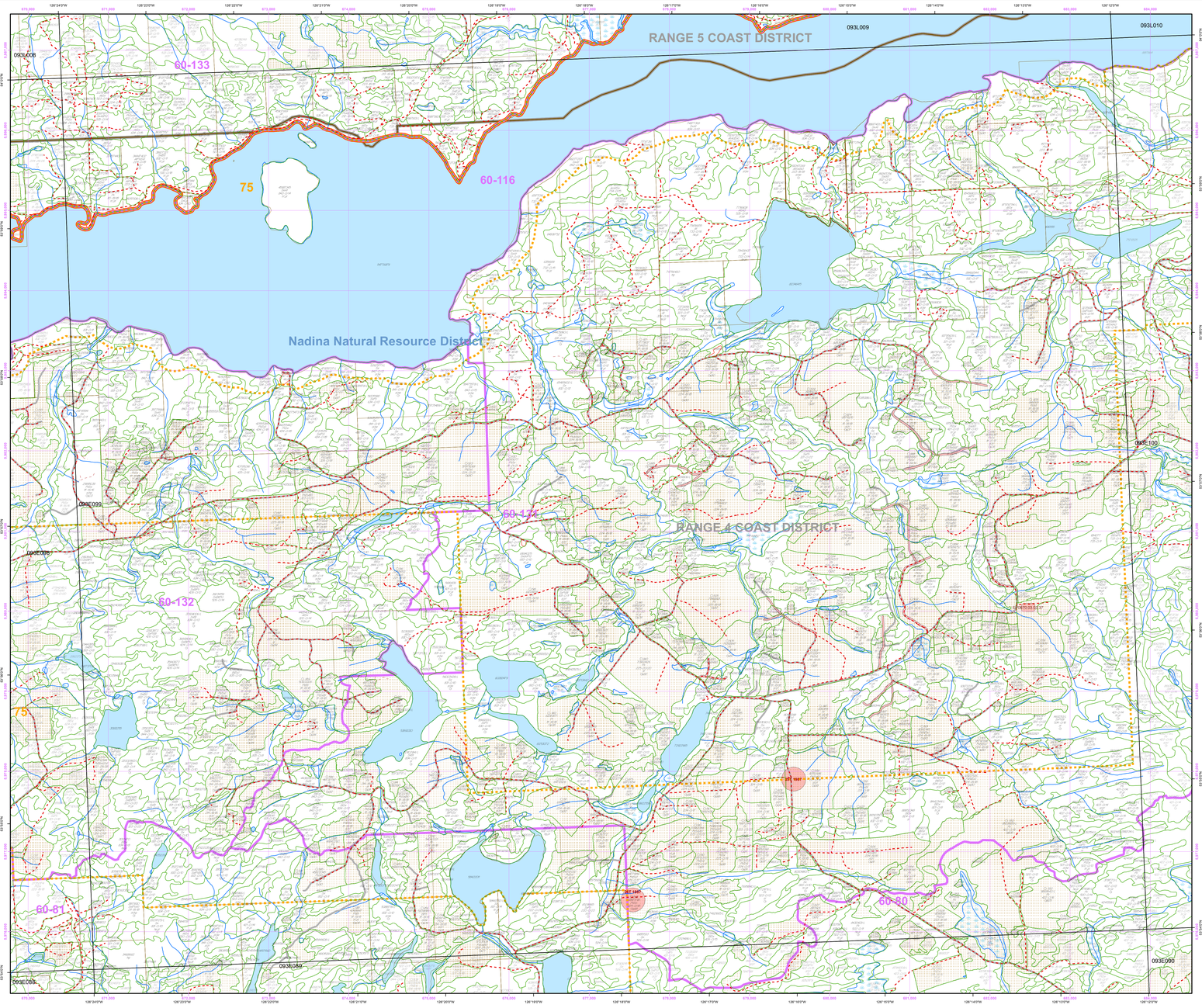
Detailed Structure information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is found in the BCGW.

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 ID
OPENING LABEL
OPENING - PLANTING ACTIVITY
OPENING - PLANTING UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH







Overflow Labels