Vegetation Map
093L037

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 display the vegetation resource inventory, forest cover, and other resource values. Some of 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, 2016

MAP SYMBOLOGY

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

TRIM. Base Features :
- 4x 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
- Hydro/Arc/Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- DC/MRO Region boundary
- Resource District boundary - FADM
- RV - 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 (= 1:000,000 for - 15 % hatch)
- Municipal boundary (= 1:000,000 for - 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 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 Class, Site Index, Site Species, Height Class, Crown Closure Class
ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (0-10%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Description)
ex: a fwtb 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

xxxx - opening number valid for BCGS mapsheet 0xxx - 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 4.0 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
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
La	Alpine Larch
Lw	Tamarack
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Ply	Lodgepole x Jack Pine hybrid
Pli	Lodgepole Pine (contorta)
Pp	Ponderosa Pine
Pw	Western White Pine
Pxj	Ponderosa Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxe	Spruce hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxw	White x unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
V	APPLE
Vk	Pacific Crab Apple
A	ASPEN / COTTONWOOD or POPLAR
At	Trembling Aspen
Ac	Black Cottonwood
Ep	Balsam Poplar
Eh	Hybrid Poplar
Ax	Hybrid Poplar
E	BIRCH
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
M	CRABAPPLE
V	Bitter Cherry
Vv	Choke Cherry
Vp	Pin Cherry
O	DOGWOOD
Op	Pacific Dogwood (western flowering)
G	GARRY OAK
Mb	Bigleaf Maple (broadleaf)
Dr	Vine Maple
R	ROSE
Qg	Garry Oak
Q	OAK
Wb	Black Willow
Wp	Pacific Willow
Wpb	Pacific Willow (Barclay's)
Wtg	Pussy Willow (grey leaved)
Wr	Sitka Willow
Wx	Willow (hybrid/undetermined)

UNKNOWN - OTHER

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

EXOTICS

	APPLE
Uk	Siberian Crab
	ASPEN, COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
	BIRCH
Ek	European Birch
Ev	Silver Birch (exempt)
Ey	Yellow Birch
	CHERRY
Ys	Sweet Cherry
	CYPRESS
Yo	*Port Orford Cedar
	FIR (Balsam)
Bb	Noble Fir
Bp	Noble Fir
Bm	*Shasta Red Fir
Bc	Corkbark
	LARCH
Lk	*Dahurian Larch
Lsi	*Siberian Larch
	MAPLE
Mb	Box Elder
Mn	Norway Maple
Mb	*Scoulerus Maple
	OAK
Qm	*English Oak
Qw	*White Oak
	OTHER EXOTICS
Oa	*Tree of Heaven
Ob	*Giant Sequoia
Oc	*Coast Redwood
Ou	*Common Mountain Ash
Oe	*Siberian Elm (southern)
Oh	*Horse Chestnut
Og	Oregon Ash
Oh	*White Ash
Op	*Shagbark Hickory
Oj	Tree-of-heaven
Ok	*Japanese Walnut
	PINE
Pm	*Monterey Pine
Pn	*Austrian Pine
Pp	*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	141-160
9	161+

4b HEIGHT CLASS

CODE	LIMITS (metres)
1	0.1 - 10.4
2	10.5 - 19.4
3	19.5 - 27.4
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 estimated when suitable SI trees are present, e.g. 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 suitable SI trees arenot present, e.g. Type Group and SI Estimated source code.

Site Index Adjustment is used to adjust the site index value provided by the previous SI. Associated fields in the data base are inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records :

VEGETATED NON-TREE CATEGORIES (for 'A' and I records):

NON-TREED SHRUB

s	SHRUB - shrub with average shrub height < or = to two metres.
w	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

by	BRYOID - bryoid with no distinction between mosses and lichens by cover.
bm	BRYOID - MOSSES - bryoid with mosses > 50% of the bryoid cover.
bl	BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED

r	Rock / Rubble
w	Snow / Ice

NON VEGETATED CATEGORIES (for 'A' and I records):

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	ll	LAKE	mz	MUSKEG / MINE SPOILS
bf	BOOM FIELD	lr	LAKE RIVER	ri	RIVER
br	BEDROCK	t	LANDING	or	OTHER
bu	BURNED AREA	s	POND or LAKE SEDIMENTS	sl	SEDIMENT COVER
ea	EXPOSED ALKALI	rr	RAILWAY	sn	SNOW/ICE/FIRN
es	EXPOSED SOILS	zm	WETLAND	st	STREAM / RIVER

Note: Where categories (ie. wt, rs, rb) not labelled over 90 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTION CODES (for I records):

A	ALPINE	MF	MARSH
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH
B	BARREN	NPBS	NON PRODUCTIVE BURNS
C	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
H	HERBS	OF	OPEN FOREST
ICE	ICEFIELD	P	MARSHLD
M	MEADOW	R	ROCK
MUD	MUD FLAT	S	SWAMP
SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		

Line 6 - Disturbance History :

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

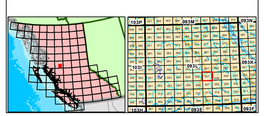
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seeding Fungal Pathogens
	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

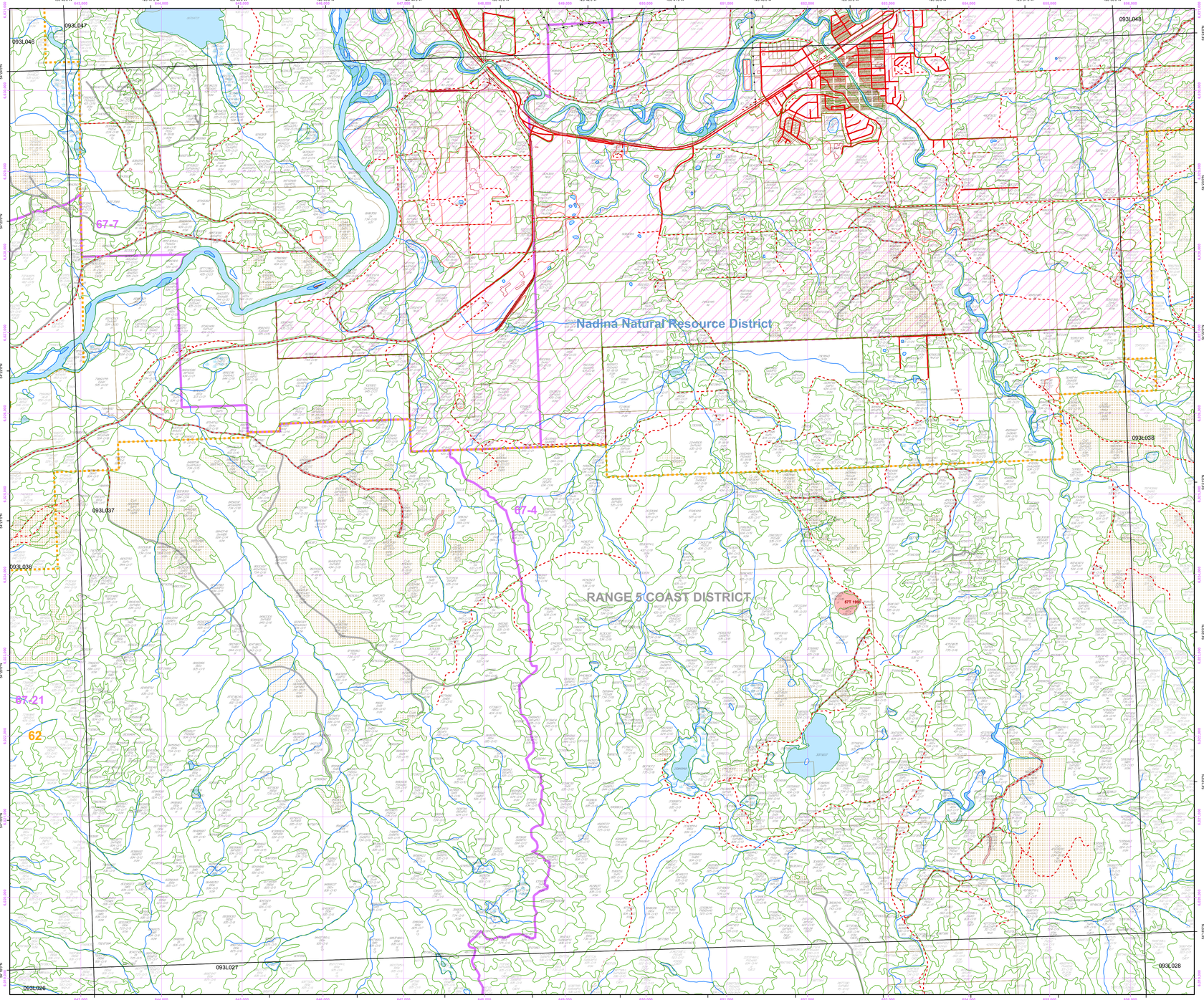
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either ARF 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 Layers" to turn on display values for :

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
RESULTS DATA
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

093L037