094B069

Vegetation Map
094B069

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source : MFLNRO - VRMS / 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 facilitate printing on a standard desktop printer. Some features may be generalized for display purposes and 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 :
- Ag Built Roads
- Forest Service Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf ields
- 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
- BEV 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 (> 1:250,000 ha - 75 % hatch)
- Municipal boundary (> 1:250,000 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 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 (Douglis Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator - Site Index / estimated SI
ex. 4 (61-80 yrs), 3 (16.5 - 22.4 m), 3 (51-70%), 3 (-15 m), crown closure class 1 (6-15%), SI 20m
5 Vegetated Cover Class (or Non-Forest/Productive Descriptor)
ex. a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

OGR - opening number valid for BCGS mapsheet ; 2028 - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer)

VRIMS Polygon Number - a unique polygon label from one to nine digits
L Multi-layered stand or separate description of each layer is available in the data base, i.e. (L)

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	BALSAM
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hw	Mountain Hemlock
Hwc	Coastal Hemlock
Hwm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sitka/ Juniper
L	LARCH
La	Alpine Larch
Lw	Western Larch
Lx	Hybrid Larch
P	PINE
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Pl	Lodgepole Pine (undivided)
Plc	Lodgepole Pine (coastal)
Py	Ponderosa Pine (yellow)
Pa	Whitebark Pine
Pw	Western White Pine
Pa	Whitebark Pine
Pf	Limber Pine
Ss	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	White Spruce
Sxw	Spruce hybrid
Sxl	Spruce hybrid White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Sx	Spruce
Te	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Da	Sitka Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Ac	Balsam Poplar
Act	Black Cottonwood
Ae	Trembling Aspen
Ax	Hybrid Aspen
E	BIRCH
Ea	Alaska Paper Birch
Ew	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
C	CHERRY
Cw	Bitter Cherry
Cv	Choke Cherry
Cr	Pin Cherry
Cp	Black Cherry
Cp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Og	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wpg	Pacific Willow (Barclay's)
Wy	Pussy Willow (gray-leaved)
Ws	Scouler's Willow
Wsi	Sitka Willow (low-tolerant)

UNKNOWN - OTHER

X	unknown conifer
Xh	unknown hardwood
Xl	unknown (conif or HW)
Z	other conifer
Zh	other hardwood

EXOTICS

EXPOS	
Ae	Apple
Act	Black COTTONWOOD or POPLAR
Ad	Southern Cottonwood
BBCH	
Bp	Siberian Birch
Bpu	Dove Birch (swamp)
Ey	Yellow Birch
CYPRESS	
Yc	Yellow Cedar
FIR (Balsam)	
Bpl	Subalp Fir
Bpa	Amabilis Fir
Bm	Whalely Red Fir
Bc	White Fir
LARCH	
Lk	Siberian Larch
Ld	Siberian Larch
PINE	
Ma	Box Elder
Mr	Norway Maple
Mp	Silver Maple
OAK	
Oa	Garry Oak
Om	White Oak
SPRUCE	
Se	Engelmann Spruce
Ob	Giant Sequoia
Ob	Giant Redwood
Ow	European Mountain Ash
Ow	Siberian Elm (southern)
Oa	Common Ash
Og	Oregon Ash
Ow	White Ash
Ow	Shagbark Hickory
Ot	Tree-of-Heaven
Ow	Japanese Walnut
Pi	Pine
Pn	Norway Pine
Pn	Red Pine
Pp	Ponderosa 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	141-200
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 from age and height, estimated SI is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aremt present, e.g., young stands (<50yrs). It is denoted by a slash which always follows the estimated site index number. Codes are Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON TREE CATEGORIES - (for V and I occ=ph)

SL	SHRUB TALL	- shrub with average shrub height > or = to two metres.
SM	SHRUB MED	
sl	SHRUB LOW	- shrub with average shrub height < two metres.

NON-TREED HERB

he	HERB - FORBS - 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 moses and lichens by cover.
bm	BRYOID - MOSS - bryoid with mosses, hornwrts, and liverworts > 50% of the bryoid cover.
bl	BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED CATEGORIES - (for V and I occ=ph)

ae	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
ar	Exposed Land	ic	ICE	mw	MUSKEG AND MARSHES
br	BOG/FOREST	lk	LAND SED	oc	OCEAN
br	BEDROCK	l	LANDING	st	OTHER
ds	DEBRIS/TALUS	ls	LARGE LAKE SEDIMENTS	pc	PERMANENT SNOW
cb	CUTBANK	mn	OPEN PIT MINE	re	RESERVOIR
ep	EXPOSED SOILS	mn	MORAINE	r	RIVER / STREAM

rm RESERVOIR MARGIN
rs RIVER SEDIMENTS
ri RIVER SURFACE
ro ROAD
tl TAILINGS
ur URBAN

NON-FOREST - NON-PRODUCTIVE DESCRIPTOR CODES (for V occ=ph)

Note: Water categories (LAKE, RIVER, OCEAN) are to be mapped at a 1-ha minimum size and 50 metre width. Smaller features are recorded only if they are 50 percent coverage.

BEACH	BEACH			SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
CL	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CF	CULTIVATED FIELD	NPF	NON PRODUCTIVE FOREST (Species		
D	DRAWS, BAR	NTA	NOTHING AVAILABLE	NCM	NON COMMERCIAL
G	GLACIER	OC	OPEN CANOPY	NPBR	NON PRODUCTIVE BRUSH
ICE	ICEFIELD	UN	UNKNOWN	NP	NON PRODUCTIVE
L	LAKE	W	WATER	NSR	NOT SUITABLE FOR RESTOCKED
MUD	MUDFLAT	R	ROCK	NTA	NOTHING AVAILABLE
O	OCEAN	S	SWAMP		

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.

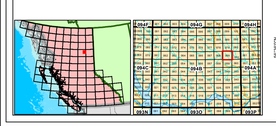
A	Animal Damage	L	Logging
B	Wildfire	M	Mine Damage
D	Domestic Seed Insects	N	Non-Biological Injuries
O	Diseases	W	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

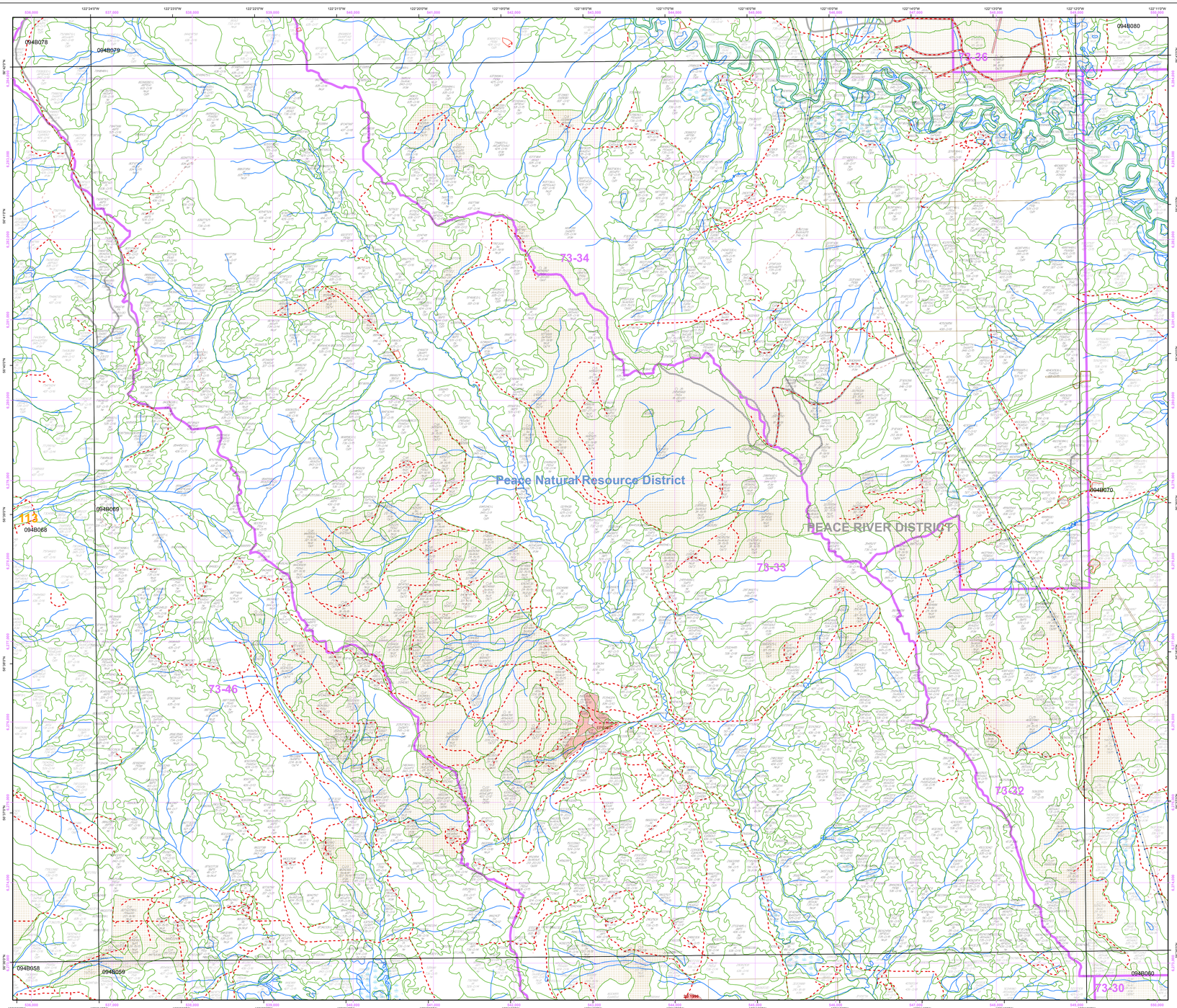
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of thinned RESULTS data.

The Ministry of Forests, Mines and Lands web application
http://www.for.gov.bc.ca/hre/vri/ views this type of detailed information.
Select THE SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for:

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





Overflow Labels