094H087

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
094H087

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, 2016

MAP SYMBOLOGY

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

TRIM_Base Features:
- 4a Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Fairlines
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Ice/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 (> 1,000,000 ha - 15 % hatch)
- Municipal boundary (< 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 Silviculture symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
for 'the most predominant layer is described as Fd (Douglis 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 1 (6-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive 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

- opening number valid for BCGS mapsheet
- 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
Cy	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
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
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine Hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pxw	Western White Pine
Px	Whitebark Pine
Py	Yellow Pine
Sx	SPRUCE
Se	Engelmann Spruce
Sw	White Spruce
Sxe	Spruce Hybrid
Sxw	Englelmann x White
Sxl	Sitka x White
Sxs	Sitka x Unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dl	Sitka Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Abb	Balsam Poplar
Act	Black Cottonwood
Ac	Hybrid Poplars
At	Trembling Aspen
Ax	Aspen Hybrid
Ra	Arbutus
E	BIRCH
Ep	Paper Birch
Eap	Alaska x Paper Birch Hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
Kd	Cascara
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
Q	OAK
Qg	Garry Oak
Qx	Oregon Oak
Wb	Bebb's Willow
Wp	Pacific Willow
Wr	Peachleaf Willow (Bentley's)
Ww	Pussy Willow (grey-leaved)
Wx	Willow Hybrid
Wf	Sitka Willow (Gas-based)

UNKNOWN - OTHER

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

EXOTICS

Ux	APPLE
Ax	ASPEN, COTTONWOOD or POPLAR
Aw	* Southern Cottonwood
	BIRCH
Ebp	* European Birch
Ey	* Silver Birch (swamp)
Ey	* Yellow Birch
	CHERRY
Vs	* Sweet Cherry
Vu	* Ussuri Plum
	* Port Orford Cedar
	FIR (Balsam)
Bn	* Noble Fir
Bp	Noble Fir
Bm	* Shasta Red Fir
Bv	* Veitch Fir
	LARCH
Lx	* Dahurian Larch
Lk	* European Larch
	MAPLE
Mk	Box Elder
Mr	* Norway Maple
Mp	* Sycamore Maple
	OAK
Qr	* English Oak
Qw	* White Oak
Qn	* NORTHERN RED OAK
Qm	* Incense Cedar
Qs	* Giant Sequoia
Qe	* Japanese Stewartia
Qf	Common Pear
Qg	Oregon Ash
Qp	Pin Oak
Qy	* Kingdonia Hickory
Qi	Tree-of-heaven
Qw	* Japanese Walnut
	PINE
Pn	* Monterey Pine
Pp	* Pitch Pine
Pu	* 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 - 18.4
3	18.5 - 28.4
4	28.5 - 37.4
5	37.5 - 46.4
6	46.5 - 56.4
7	55.5 - 64.4
8	65.5 +

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

SI to be shown to 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 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 (<30yrs). It is denoted by a slash which always precedes it. Associated fields in the data base are Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for 'v' and l records)

NON-TREED SHRUB
- s SHRUB - shrub with average shrub height > or = to two metres.
- d SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- he 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 gaminoids > 50% of the herb cover.

NON-TREED MYROID
- bm 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.
- b BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for 'v' and l records)

ap	AIRPORT	gp	GRAVEL PIT
b	BEACH	ic	ICE
bl	BLOCKFIELD	l	LAVA BED
br	BEDROCK	li	LANDING
cb	CONSOLIDATED	ls	LAKE/LAKE SEDIMENTS
cu	CUTBANK	mi	OPEN PIT MINE
es	EXPOSED SOILS	mn	MORAINE
gl	GLACIER		

mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
o	OCEAN SEDIMENTS	rs	RESERVOIR SPOILS
oc	OCEAN	rv	RIVER SEDIMENTS
ot	OTHER	rd	ROAD SURFACE
rk	ROCK/BOULDER	s	SAND
re	RESERVOIR	tl	TAILINGS
r	RIVER / STREAM	ur	URBAN

Note: Water categories (lo, oc, re, r) will labelled over 50 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE
AT	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH
B	BOG	NPC	NON PRODUCTIVE CLOSED
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
GL	GLACIAL TILL	OP	OPEN FOREST
ICE	ICEFIELD	OPBR	OPEN FOREST BRUSH
M	MEADOW	R	ROCK
MUD	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	NO TYPING AVAILABLE		

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.

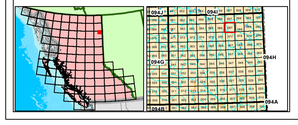
A	Animal Damage	L	Logging
C	Cone and Seed insects	M	Mite Damage
D	Diseases	N	Non-Biological Injuries
I	Insects	P	Cone and Seedling Fungal Pathogens
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

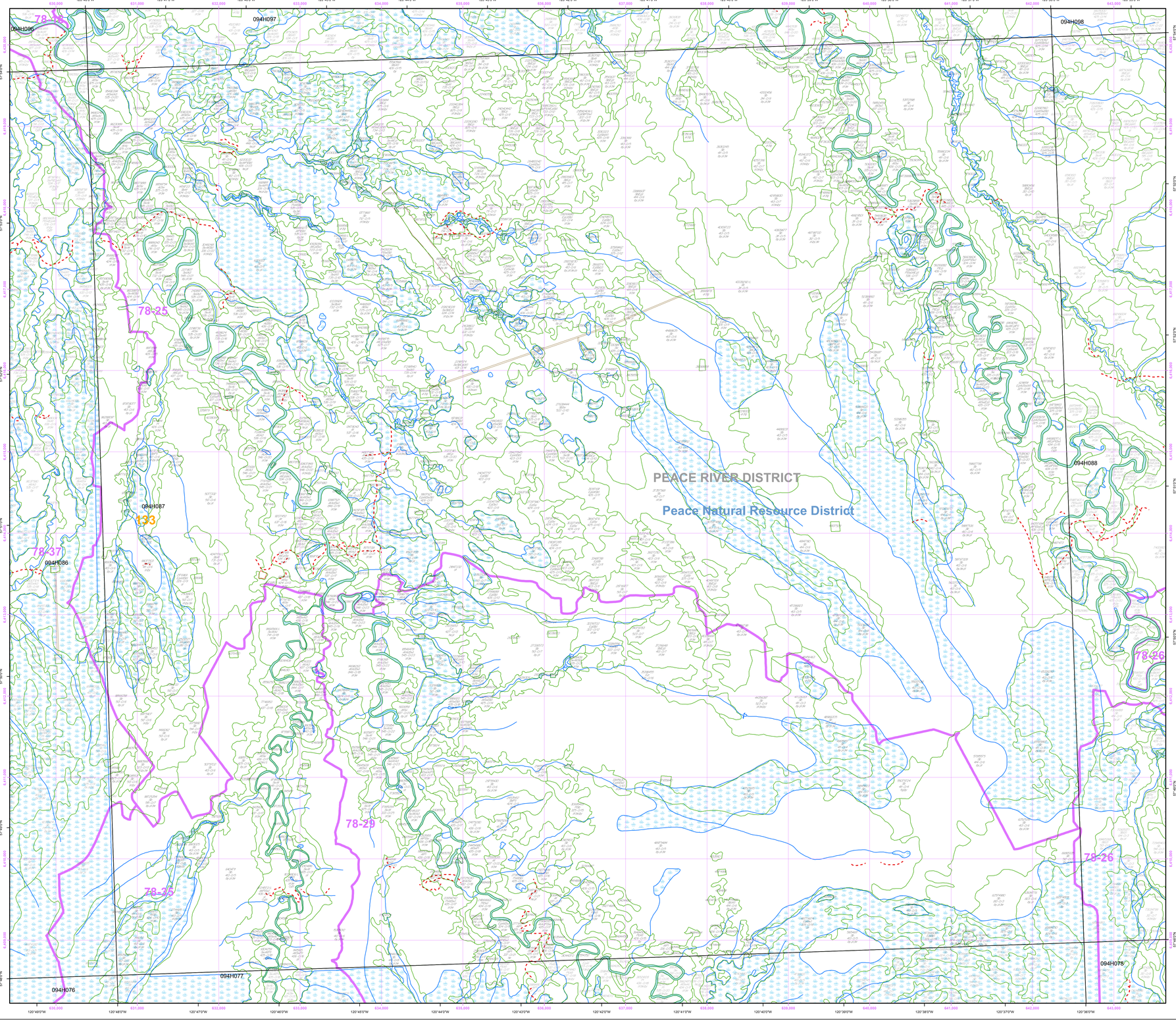
Example Opening History Details

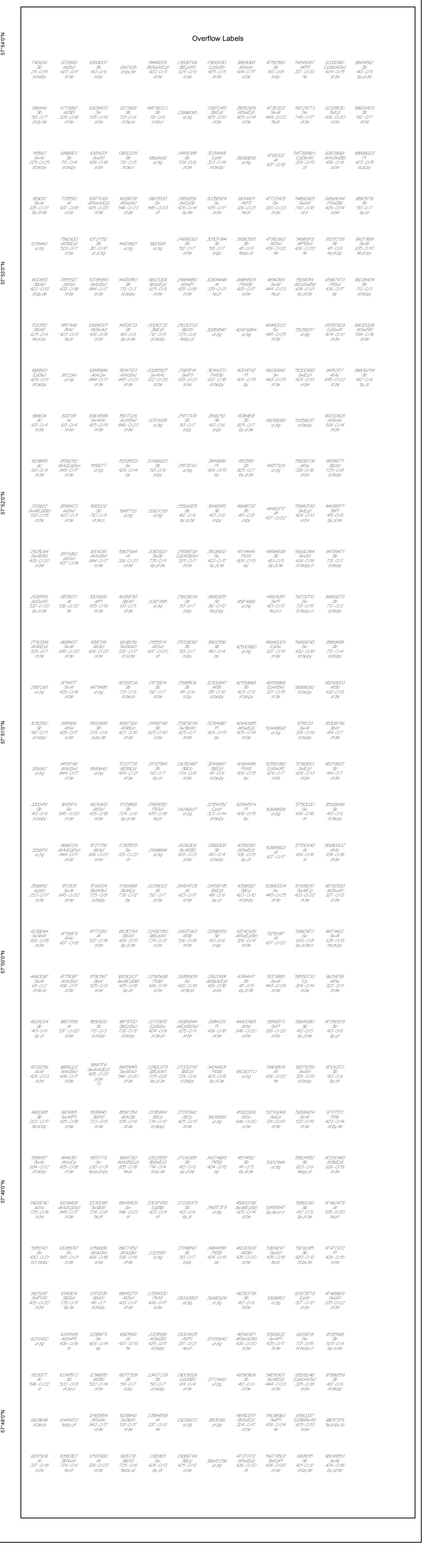
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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 Map" to turn on display values for -

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







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