094B080

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
094B080

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
- Structure Opening in Vegetation
- Permanent Sample Plot (GYS)
- 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/In-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:

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LINE  DESCRIPTION
 1    Silviculture symbol and Opening Number
 2    Polygon No. / 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: 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 Descriptor 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
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Line 1 - History Record Opening Number

cur - opening number valid for BCGS mapsheet zzzz - 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
B	FIR (Balsam)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
Bp	Pacific Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Hybrid - Western Hemlock Hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pxw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	Western White Spruce
Sx	White Spruce
Sxl	Spruce hybrid
Sxw	Hybrid White Spruce
Sxr	Sitka x White
Sxs	Sitka x unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
At	ASPEN
Ac	Paccific Cott Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
At	Black Cottonwood
Ax	hybrid Poplars
Ep	Trembling Aspen
E	AMELANCH
Ea	Arbutus
Ep	Aspen
Ebl	Alaska Paper Birch
Ebp	Alaska x Paper Birch Hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wr	Peach-leaved Willow (Bambly's)
Wt	Pussy Willow (pole-blended)
Ws	Scouler's Willow
Wil	Sitka Willow (tree-leaved)

UNKNOWN - OTHER

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

EXOTICS

Ae	APPLE
Ua	ASPEN
Act	POPLAR, COTTONWOOD or POPLAR
Act	Black Cottonwood
Ep	BIRCH
Ep	European Birch
Ekl	Kamchatka (swamp)
Ey	Yellow Birch
V	CHERRY
Vm	Mazzard Cherry
Y	CYPRESS
Yp	*Port Orford Cedar
Ge	Douglas Fir
Gm	*Ribbons Fir
Ep	Noble Fir
Gm	*Shasta Red Fir
Bc	*White Fir
L	LARCH
Ld	*Dahurian Larch
Lk	*Siberian Larch
M	MAPLE
Mr	Box Elder
Mb	*Norway Maple
Mp	*Sycamore Maple
OA	OAK
Oq	*English Oak
Or	*White Oak
	OTHER EXOTICS
Cw	*Incense Cedar
Gb	*Giant Sequoia
Gs	*Redwood
Cp	European Mountain Ash
Gk	Siberian Elm (southern)
Ge	Douglas Fir
Oq	Oregon Ash
Or	*White Ash
Ch	Shagbark Hickory
Cr	Tree-of-Heaven
Ck	Japanese 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 - 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

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 dominant trees. Site index curves can be obtained from age and height, estimated SI, a known after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aremt present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes it. Also SI cannot be estimated for site trees are Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I records)

NON-TREED SHRUB
- sb SHRUBS - shrub with average shrub height > or = to two metres.
- st SHRUBS (SW) - 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 BRYOID
- by BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverworts, and hornworts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
ar	ROCK	ic	ICE	ms	MUNICIPAL SEWAGE SPOILS
b	BLOCKFIELD	la	LAVA BED	oc	OCEAN
br	BEDROCK	lt	LANDING	ot	OTHER
ds	DEBRIS/AREA	rs	RIVER/GRAVEL SEDIMENTS	pd	POND/RIVER
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
es	EXPOSED SOILS	mn	MORAINE	s	RIVER / STREAM
gl	GLACIER				Note: Water categories (sl, ss, rs, s) not labelled over 50 percent coverage.

NON-VEGETATED CATEGORIES (for V and I records)

ee	Exposed Land
rb	Rock / Rubble
w	Snow / Ice

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

A	ALPINE	NP	NON-PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
BY	BRYOID	NPBS	NON PRODUCTIVE BRUSH
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
GL	GLACIER	OT	OTHER (Specify)
ICE	ICEFIELD	H	HAYFIELD
M	MEADOW	R	ROCK
MUD	MUDFLAT	S	SWAMP
SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NPBR	NON PRODUCTIVE 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.

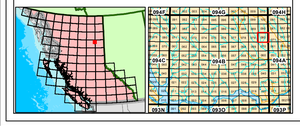
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mine Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Disease	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

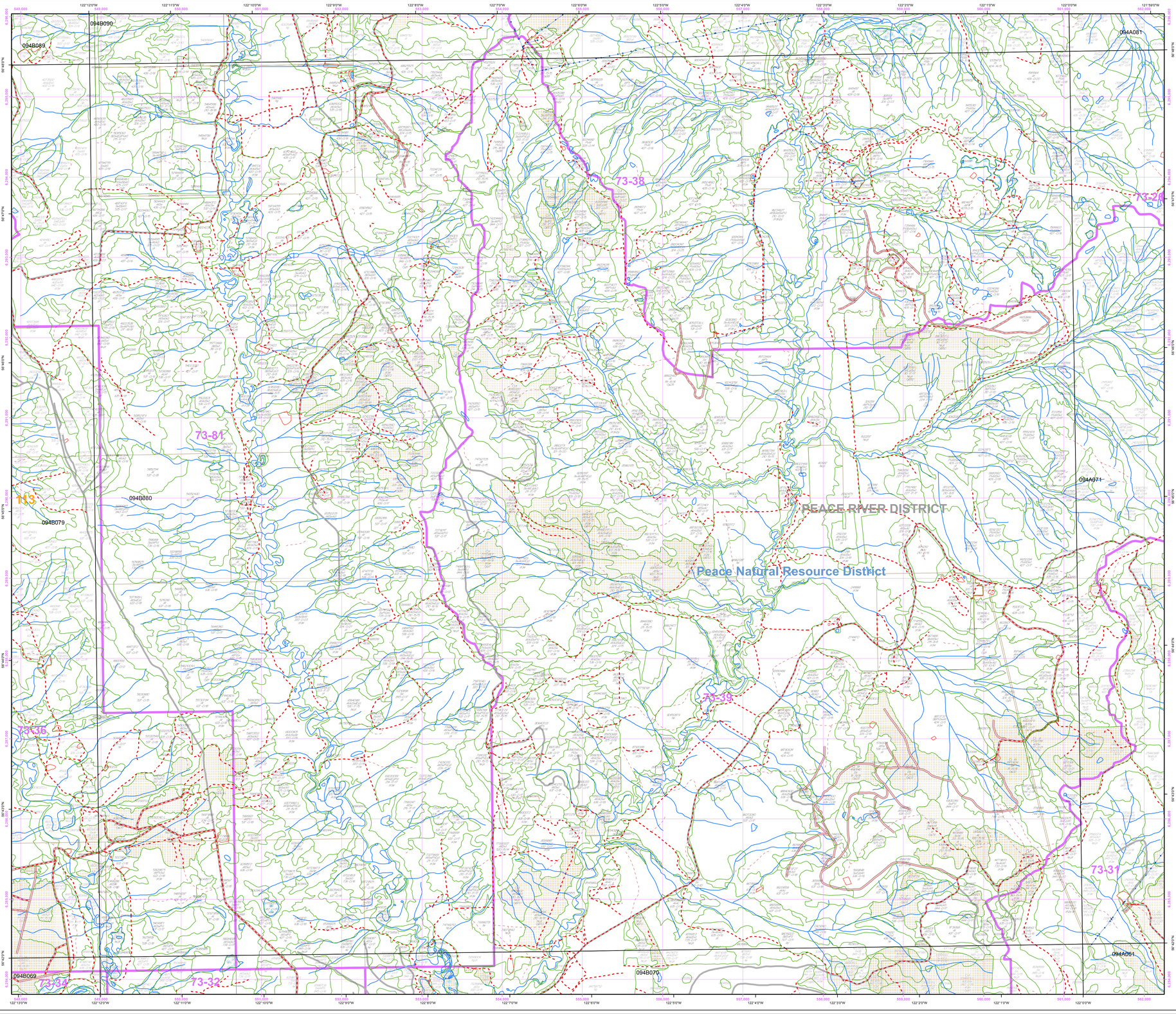
Example Opening History Details

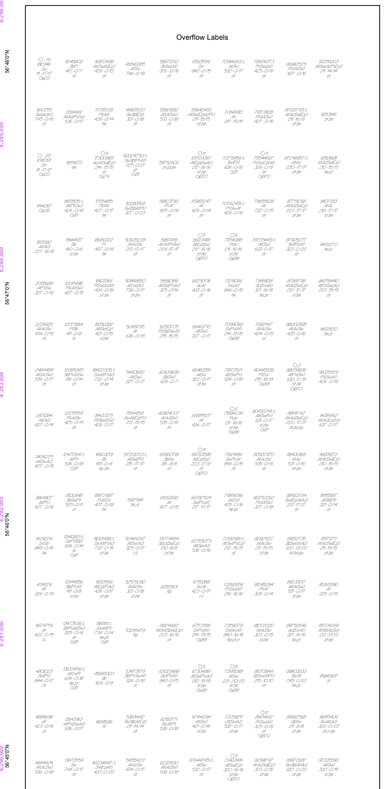
Detailed Silviculture information is available on the BCGW utilizing either IMF in ArcMap. The MapView example is of thened RESULTS data.

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 Data" 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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