094H019

Vegetation Map
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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, planned cutblocks, and natural disturbance. Digital data is maintained in 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)

Lakes 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:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airfields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrkn/Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- R/V 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
- 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
as the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
4 Age, Hieght, Crown Closure Class Code - separator Site Index / estimated SI
e.x: 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)
e.x: 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

nnn - opening number not found for BCGS mapsheet *DOR* - 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 labelled 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 dataed January 2009.

NATIVE CONIFERS

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
Hw	Mountain Hemlock
Hm	Western Hemlock
Hmh	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn Juniper
Js	Seaside Juniper
L	LARCH
La	Subalpine larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodge Pine
Plc	Coastal Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal) hybrid
Pla	Lodgepole x Jack Pine hybrid
Pp	Ponderosa Pine (yellow)
Pw	Shore Pine (coastal)
Pxj	Hybrid Pine (Pine)
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxe	Engelmann x White
Sxs	Sitka x White
Sxh	Sitka x unknown hybrid
Ty	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	BROADLEAF
E	Alder
U	APPLE
Ag	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Aspen
Act	Balsam Poplar
Act	Black Cottonwood
Ad	Trembling Aspen
Ath	Townsend's Aspen
R	ARBUTUS
Ar	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Ebp	Alaska Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Kc	Catkin
V	CHERRY
Vf	Fire Cherry
Vi	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Qg	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Barclay's)
Wr	Scouler's Willow (trembling)
Ws	Sitka Willow
Wt	Sitka Willow (sea-kelved)

UNKNOWN - OTHER

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

EXOTICS

E	BIRCH
Ue	Alaska
	ASPEN, COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
	BIRCH
Ea	European Birch
Ey	Silver Birch (swamp)
Ey	*Yellow Birch
F	FIR
	Sweet Cherry
	CYPRESS
Yp	*Nootka Cedar
	FIR (Balsam)
Bb	*Balkam Fir
Bn	*Noble Fir
Bm	*Shasta Red Fir
Bc	*White Fir
L	LARCH
Ld	*Dahurian Larch
Ls	*Siberian Larch
M	MAPLE
Mo	Box Elder
Mh	*Norway Maple
Ms	*Sycamore Maple
OAK	
Qe	*English Oak
Qn	*White Oak
	OTHER EXOTICS
Oa	*Horse Chestnut
Os	*Giant Sequoia
Qc	*Coast Redwood
Ou	*Black Walnut/Ash
Oc	Siberian Elm (southern)
Of	Common Pear
Oq	*Black Ash
Ot	*Shagbarck Hickory
Oj	Tree-of-heaven
Ok	Japanese Walnut
P	PINE
Pn	*Monterey Pine
Pr	*Red Pine
Pa	*Austrian 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 - 10.4
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.
Site Index curves for the Prince George Forest Region are the following 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 aremit present, e.g. immature stands. The SI estimate is based on the site series assigned to the polygon 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 I records)

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

NON TREED HERB
- H HERB - herb with no distinction between forbs and graminoids.
- M 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 mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverwarts, and hornwarts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- r ROCK / RUBBLE
- s Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
bl	BOULDER	ml	MILL	ms	MUNICIPAL MINE SPOILS
br	BLOCKFIELD	lb	LAVA BED	oc	OCEAN
br	BEDROCK	lr	LANDING	of	OTHER
cr	CREVASSE/CREA	ls	FLOW or LAKE SEDIMENTS	or	ORGANIC COVER
dy	DUNE/SAND	mi	OPEN PIT MINE	rb	RIVERBANK
es	EXPOSED SOILS			ri	RIVER / STREAM
gl	GLACIER				

rm	RESERVOIR MARGIN
rs	RIVER SEDIMENTS
rv	RIVER SEDIMENTS
rz	ROAD SURFACE
sl	SLIDE
ta	TAILINGS
ur	URBAN

Note: Water categories ba, ic, rs, rv not labelled over 90 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
BY	BRYOID	NPBS	NON PRODUCTIVE SHRUB	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
HF	HERB FORB	P	PRODUCTIVE	NPBR	NON PRODUCTIVE BRUSH
ICE	ICEFIELD	PT	WATEQLD	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUDFLAT	S	SWAMP	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.

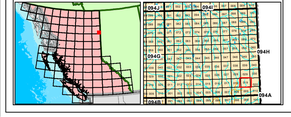
A	Animal Damage	L	Logging
B	Wildfire	M	Mech. Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
	Insects		
R	Site Rehabilitation		
S	Silvicultural		
U	Damage Unknown		
V	Problem Vegetation		

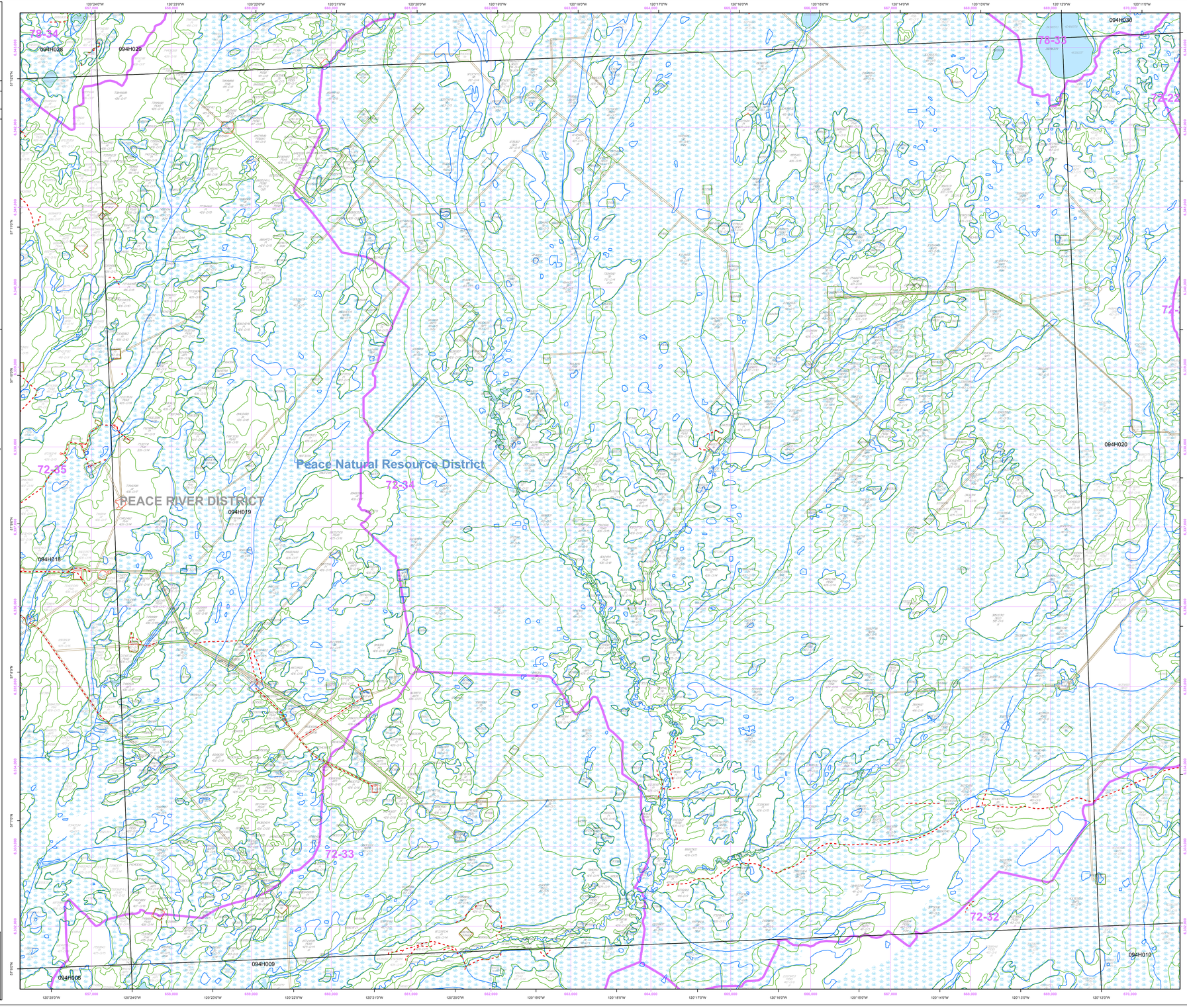
Example Opening History Details

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 ID
OPENING LABEL-9
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels