094A077

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
094A077

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 (2YS)
- Research Installations

TRIM_Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airstrips
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroline/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 Polygon 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 (Dougls Fir) and Hw (Western Hemlock)
4 Age, Height, Crown Closure Class Code - separator Site Index (estimated S)
ex: 120 years old, 22 metres tall, 40% crown closure (class 4 (31-40%)), 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

OGP - opening number valid for BCGS mapsheet — nnnn - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
A, - 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 dataed January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Fm	Fir (Balsam)
Bl	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
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pa	Whitebark Pine
Pw	Western White Pine
Pw	Whitebark Pine
Pf	Limber Pine
Sb	Rock Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sxw	White Spruce
Sx	Spruce hybrid
Sxl	Spruce x Sitka White
Sxs	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
V	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Act	Balsam Poplar
Ac	Black Cottonwood
Ax	Hybrid Poplars
At	Trembling Aspen
E	BIRCH
Ep	Paper Birch
Epg	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Eb	Swamp Birch
F	OGONBERRY
Fz	Cascara
Fl	Red Elder
Vb	Bitter Cherry
Vv	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gs	Red Osier Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Qg	Garry Oak
Qx	Oak hybrid
W	WILLOW
Wp	Pacific Willow
Wpg	Pacific Willow (Bentzly's)
Wf	Fuzzy Willow (gray-leaved)
Ws	Scouler's Willow
Wr	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	unknown conifer
Xl	unknown broadleaf
Xh	unknown hardwood
Xc	unknown conifer or H/C
Zz	other conifer
Zh	other hardwood

EXOTICS

V	APPLE
Ua	ASPEN, COTTONWOOD or POPLAR
Ad	"Southern Cottonwood
	BIRCH
Ea	European Birch
Ej	European Birch (swamp)
Ey	"Yellow Birch
	CHERRY
Ys	"Japanese Cherry
	CYPRESS
Yt	"Port Orford Cedar
	FIR (Balsam)
Bb	Noble Fir
Bpl	Noble Fir
Bm	"Shasta Red Fir
Bv	Grand Fir
	LARCH
Lyl	"Dahurian Larch
Ll	European Larch
	MAPLE
Mle	Box Elder
Mr	"Norway Maple
Mk	"Sycamore Maple
	OAK
Qe	"English Oak
Qm	"Nmble Oak
	SPRUCE
Ow	"Incense Cedar
Ok	"Giant Sequoia
Qr	"Coast Redwood
Qd	European Mountain Ash
Qe	Siberian Elm (southern)
Qf	"Green Ash
Qg	Oregon Ash
Qk	"White Ash
Qm	"Black Walnut
Qp	Tree-of-Heaven
Qr	Japanese Walnut
	PINE
Pm	"Monterey Pine
Pr	"Red Pine
Pp	"Scots Pine
	SPRUCE
Sn	"Norway Spruce

Line 4

4a: AGE CLASS

CODE	LIMITS (years)
7	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)
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 is assigned 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 instead of, the SI.

4e: ESTIMATED SITE INDEX

SI is estimated when suitable SI trees arenot 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 I records)

NON-TREED SHRUB
- wf SHRUB TALL - shrub with average shrub height > or = to two metres.
- w SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- hw 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 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
- E Exposed Land
- rs Rock / Rubble
- s Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gl	GRAVEL PIT	mu	MUDFLAT SEDIMENT
b	BEACH	l	LAKE	nu	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lk	LAVA BED	oc	OCEAN
bu	BUILT-UP	m	MINE SITE	r	RESERVOIR
bu	BURNED AREA	p	POND or LAKE SEDIMENTS	sn	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	w	RESERVOIR
dt	DEBRIS-TALUS	mr	MORAINE	wr	RIVER or STREAM
gl	GLACIER				

Note: Water categories (w, wr, lk, r) not labelled over full parallel coverage.

rm	RESERVOIR MARGIN				
rr	RAILWAY SURFACE				
rs	RIVER SEDIMENTS				
rz	RIVERWASH				
ta	TALUS				
tl	TAILINGS				
u	URBAN				

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
B	BARREN	NPBS	NON PRODUCTIVE BRUSH	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species		
G	GRAVEL BAR	NTA	NOTYPING AVAILABLE	NC	NON COMMERCIAL
GP	GRAVEL PIT	P	PRODUCTIVE	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	PF	MATFIELD	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	S	SWAMP	NTA	NOTYPING 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.

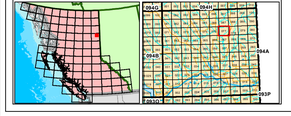
A	Animal Damage	L	Logging
B	Burning	N	Non-Forest Cover
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

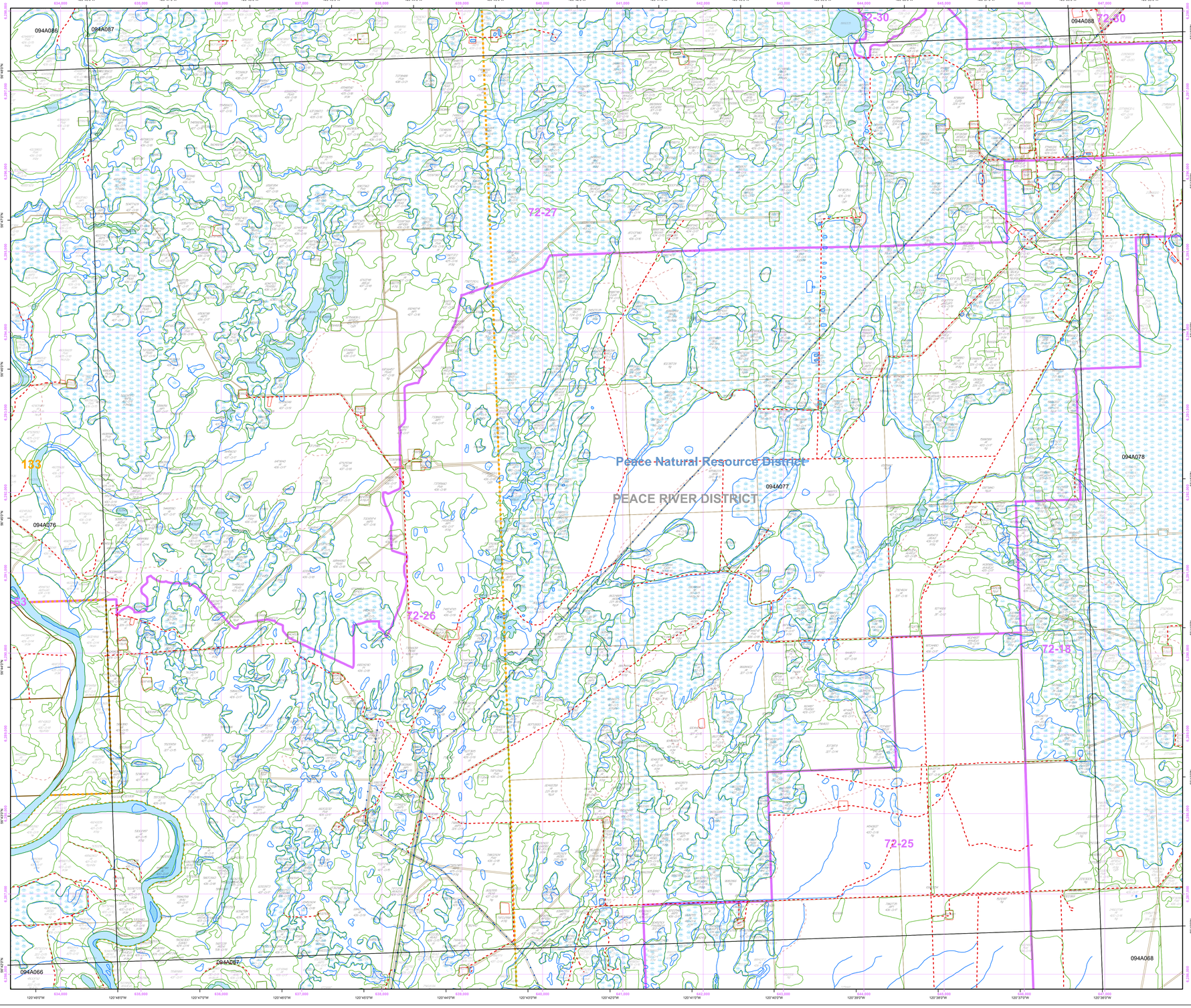
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of 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 AREA
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

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