093I072

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093I072

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:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airl/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Ave/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 (< 1:600,000 ha - 15 % hatch)
- Municipal boundary (> 1:600,000 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: 60 years old (6), 20 m tall (2), 26-35% crown closure (3-15.4 m), crown closure class 1 (6-15%), SI 20m
5 Vegetated Comdy 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 Oping Number

OP - opening number valid for BCGS mapsheet XXPP - 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 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Y	CYPRESS
Yc	Nootka Cypress
F	DOUGLAS FIR
Fd	Douglas Fir
Fdi	Interior Douglas Fir
Fdc	Coastal Douglas Fir
B	FIR (Balsam)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
Bm	Balsam
Hm	Mountain Hemlock
Hw	Western Hemlock
Hmh	Mountain x Western hemlock hybrid
J	JUNIPER
Jf	Rocky Mtn. Juniper
Jr	Common 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)
Plj	Lodgepole x Jack Pine hybrid
Pli	Lodgepole Pine (inland)
Pm	Shore Pine (coastal)
Pw	Western White Pine
Py	Ponderosa Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Hybrid Spruce
Sxe	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Ue	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Ati	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
E	ASBU/TUB
Ea	Arbutus
Ep	Dogwood
Ew	Alaska Paper Birch
Ewp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
K	CASCARA
H	CHERRY
Y	CHOKE
Vb	Bitter Cherry
Vc	Pin Cherry
Vv	Choke Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broadleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bonsby's)
Wwp	Pussy Willow (grey leaved)
Wr	Red Willow
Wt	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

Ua	APPLE Apple
Act	ASPEN, COTTONWOOD or POPLAR Black Cottonwood
Ea	BIRCH European Birch
Eap	European Birch (swamp)
Ey	Yellow Birch
Yp	CHERRY Pendulous Cherry
Ys	Sweet Cherry
Yp	CYPRESS "Port Orford Cedar FIR
Bb	"Balsam Fir
Bn	Noble Fir
Bn	"Noble Red Fir
Bn	"Khsha Fir
Lp	LARCH "European Larch
Ld	"Siberian Larch
Mb	MAPLE Box Elder
Mn	"Norway Maple
Ms	"Sycamore Maple
Qa	OAK "English Oak
Qm	"Pin Oak
Oh	OTHER EXOTICS
Oc	"Incense Cedar
Oe	"Common Elm
Oj	"Cutleaf Stakewood
Od	European Mountain Ash
Ou	European Mountain Ash
Of	Common Fig
Og	Oregon Ash
Oo	"Osage Orange
Oh	"Shagbarck Hickory
Ot	Tree-of-heaven
Ok	Japanese Walnut
Ow	"Willow
Pn	"Monterey Pine
Pp	"Red Pine
Ps	"Sugar Pine
Sn	SPRUCE "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 - 27.4
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. Site curves are based on the dominant 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 were present, e.g. mature stands. Estimated SI is preceded by an E which always precedes SI. 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

s	SHRUB - shrub with average shrub height > or = to two metres.
sl	SHRUB LOW - shrub with average shrub height < than metre.

NON-TREED HERB

he	HERB
hf	HERB - FORBS - herb with no distinction between forbs and graminoids.
hg	HERB - GRAMINOIDS - herb with forbs < 50% of the herb cover. - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOD

by	BRYOID - bryoid with no distinction between mosses and lichens by cover.
bm	BRYOID - MOSS - bryoid with mosses, liverwrts, and hornwarts > 50% of the bryoid cover.
bl	BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED

rk	ROCK
ri	Rock / Rubble
ss	Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT
ar	ALPINE	ic	ICE
br	BOG/FIELD	la	LAVA BED
br	BEDROCK	li	LANDING
cb	CUTBANK/AREA	ls	POND on LAKE SEDIMENTS
cu	CUTBANK	mi	POND on MINE
ex	EXPOSED SOILS	mn	MORAINE
gl	GLACIER	mu	MUDFLAT SEDIMENT
		mw	MUDFLAT WINE SPOILS
		oc	OCEAN
		of	OTHER
		rc	RESERVOIR COVER
		re	RESERVOIR
		r	RIVER / STREAM

rm RESERVOIR MARGIN
rp RIPARIAN SEDIMENTS
rv RIVER SEDIMENTS
rd ROAD SURFACE
sa SAND
tl TAILINGS
ur URBAN

Note: Water categories (la, ac, re, r) not labelled over 50 percent coverage.

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

A	ALPINE	NP	NON-PRODUCTIVE
AT	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH
CL	CLAY BELT	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
GP	GRASS / PEAT	OP	OPEN PEATLAND
ICE	ICEFIELD	P	HAYFIELD
M	MEADOW	R	ROCK
MUD	MUDFLAT	S	SWAMP
		SAND	SAND
		TIDA	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 proceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

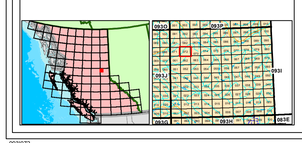
A	Animal Damage	L	Logging
C	Cone and Seed Insects	M	Mite Damage
D	Diseases	N	Non-Biological Injuries
I	Insects	P	Cone and Seedling Fungal Pathogens
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

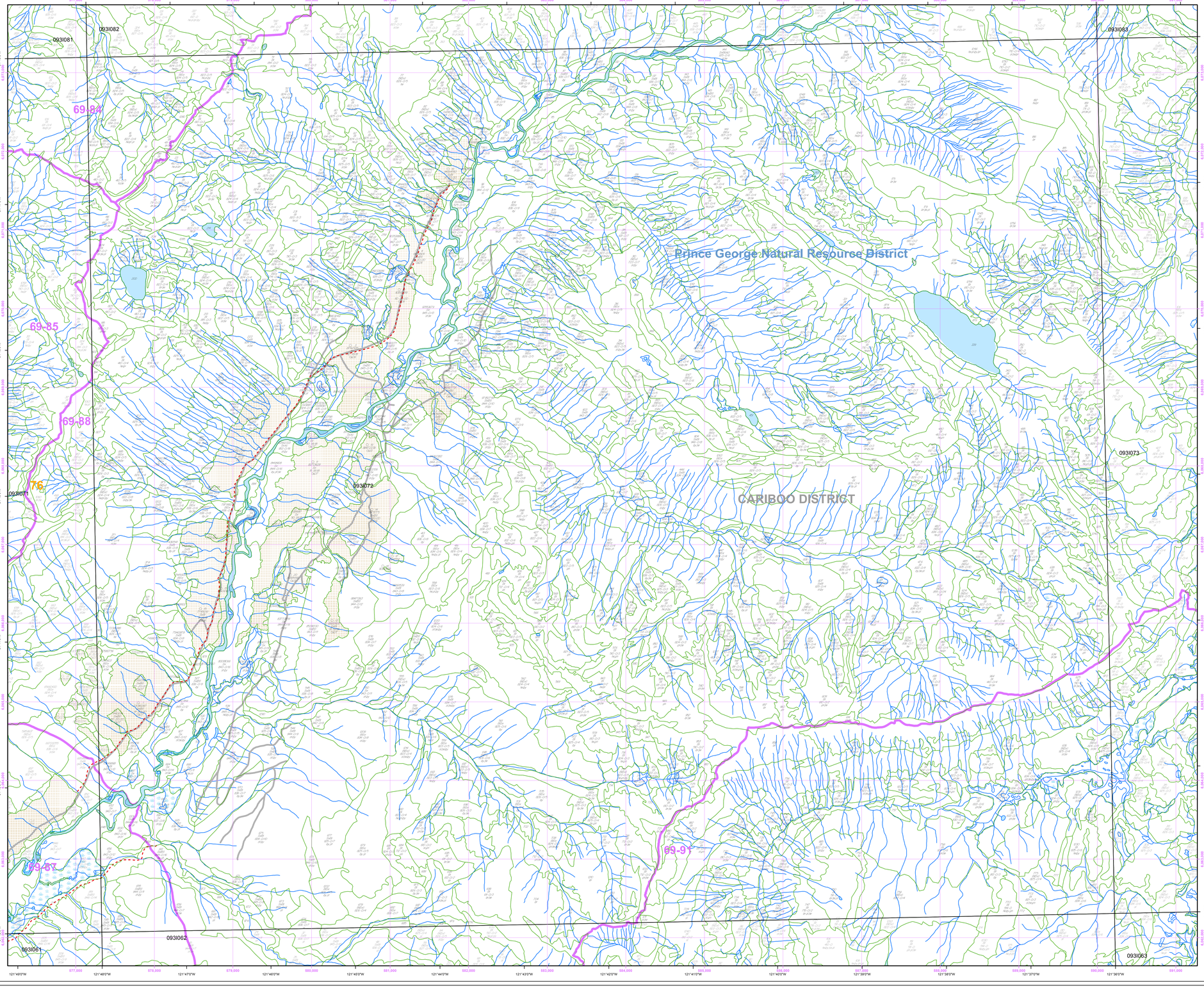
Example Opening History Details

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
SILVICULTURE BLOCK
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

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