093H092

Vegetation Map
093H092

BRITISH COLUMBIA
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 produced 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 contained in the digital database conforms to data standards, administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend is dated June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM. Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Forest Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Ae/Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

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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OJ7
BF5
FdPlAt
SI 20m
INVE
OA7
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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 (Douglas Fir) and Hw (Western Hemlock).
4 Site Index - Site Index is estimated for Fd at 20 years at breast height.
ex. stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-10%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex. a fresh polygon with no distinction between forbs and graminoids, shrubs less than 2m.
6 Disturbance History & year - ex. Logged in 1978

Line 1 - History Record Opening Number

nnnn - 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

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 (Balsams)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwk	Inland Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Lodge Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (contorta)
Plx	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	White Pine
Pwi	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sk	Kenai Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxb	Spruce hybrid White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	Dogwood
Dr	Red Alder
U	APPLE
At	ASPEN, Cwh Aplle
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
Act	Black Cottonwood
Ax	hybrid Poplars
Ae	Trembling Aspen
E	ARBUTUS
Ea	Arbutus
Ep	Paper Birch
Epp	Alaska x Paper Birch hybrid
Epl	Alaska (Kenai) birch
Ew	Water Birch
K	CASCARA
G	DOGWOOD
V	OSIERY
Vc	Sitka Cherry
Vf	Fire Cherry
Vr	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gb	Garry Oak
Q	OAK
Wb	Bebb's Willow
Wp	Pacific Willow
Wpg	Pacific Willow (Bendy's)
Wrd	Rocky Willow (gray-leaved)
Ws	Scouler's Willow
Wsx	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	unknown conifer
Xc	unknown hardwood
Xh	unknown (conifer or bir)
Z	other conifer
Zh	other hardwood

EXOTICS

Ua	Apple
Ad	ASPEN, COTTONWOOD or POPLAR
Ab	Balsam Cottonwood
Ae	BIRCH
Ea	European Birch
Ep	Paper Birch (swamp)
Ey	Yellow Birch
Up	CHERRY
Up	Mahaleb Cherry
U	CYPRESS
Up	Port Orford Cedar
Ue	ELM (Dutch)
Ub	Balsam Fir
Bp	Noble Fir
Bpr	Noble/Red Fir
Bc	White Fir
L	LARCH
Lk	European Larch
Lsi	Siberian Larch
M	MAPLE
Mr	Red Maple
Mn	Norway Maple
Ms	Sycamore Maple
Q	OAK
Qa	Pyrenean Oak
Qw	White Oak
Qx	Oak hybrid SPECIES
Qe	Holmes Oak
Qg	Giant Sequoia
Qk	Californian Redwood
Qa	European Mountain Ash
Qi	Siberian Elm (southern)
Qm	Dawn Redwood
Qg	Oregon Ash
Qf	White Ash
Qn	Green Ash hickory
Qj	Chinkapin
Qk	Japanese Walnut
P	PINE
Pmu	Mountain Pine
Pr	Red Pine
Pp	Sugar Pine
Pp	PRUCE
Se	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)
0	0 - 5
1	6 - 10
2	11 - 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. 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 either as implexes the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aren't present, e.g. young stands (<40yrs), or stands with a species which when young is not a leading species. The SI values are inventory Type Group and SI Estimated volume code.

Line 5 - Vegetation records

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

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

NON-TREED HERBS
- Nw HERB - herb with no distinction between forbs and graminoids.
- H HERB - FORBS - herb with forbs > 50% of the herb cover.
- Hg HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- bry BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverworts, and lichens/k > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED
- R Rock / Rubble
- W Water
- I Snow / Ice

NON VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT
bl	BARREN	h	HEAD
bl	BLOCKFIELD	lk	LAVA BED
br	BEDROCK	li	LANDING
cb	CLIFF/TALUS/AREA	ls	LAKE/SEDIMENTS
cs	CUTBANK	ms	OPEN PIT MINE
ex	EXPOSED SOILS	mv	MORAINE
gl	GLACIER		

mu	MUDFLAT SEDIMENT
o	OPEN WATER SPOILS
oc	OCEAN
o	OTHER
ow	OPEN WATER
re	RESERVOIR
r	RIVER / STREAM

rm	RESERVOIR MARGIN
rz	RIVER SEDIMENTS
rs	RIVER SEDIMENTS
rz	ROAD SURFACE
s	SAND
tz	TAILINGS
ur	URBAN

Note: Water categories (ow, re, r, rm) not labelled over 90 percent coverage.

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

A	ALPINE	NPBB	NON-PRODUCTIVE BRUSH
AF	ALPINE FOREST (Species)	NPBU	NON-PRODUCTIVE BURN
C	CULTIVATED	NPBU	NON-PRODUCTIVE FOREST (Species
G	GRASSLAND	NTA	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
MU	MUDFLAT	R	ROCK/BLUFF
N	NURSERY	S	SWAMP
MUD	MUD FLAT		

SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMERCIAL BRUSH		
NF	NON PRODUCTIVE		
NSR	NON PRODUCTIVE - 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.

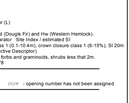
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
D	Disease and Seed Insects	N	Non-Biological Injuries
E	Dwarf Mistletoe	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

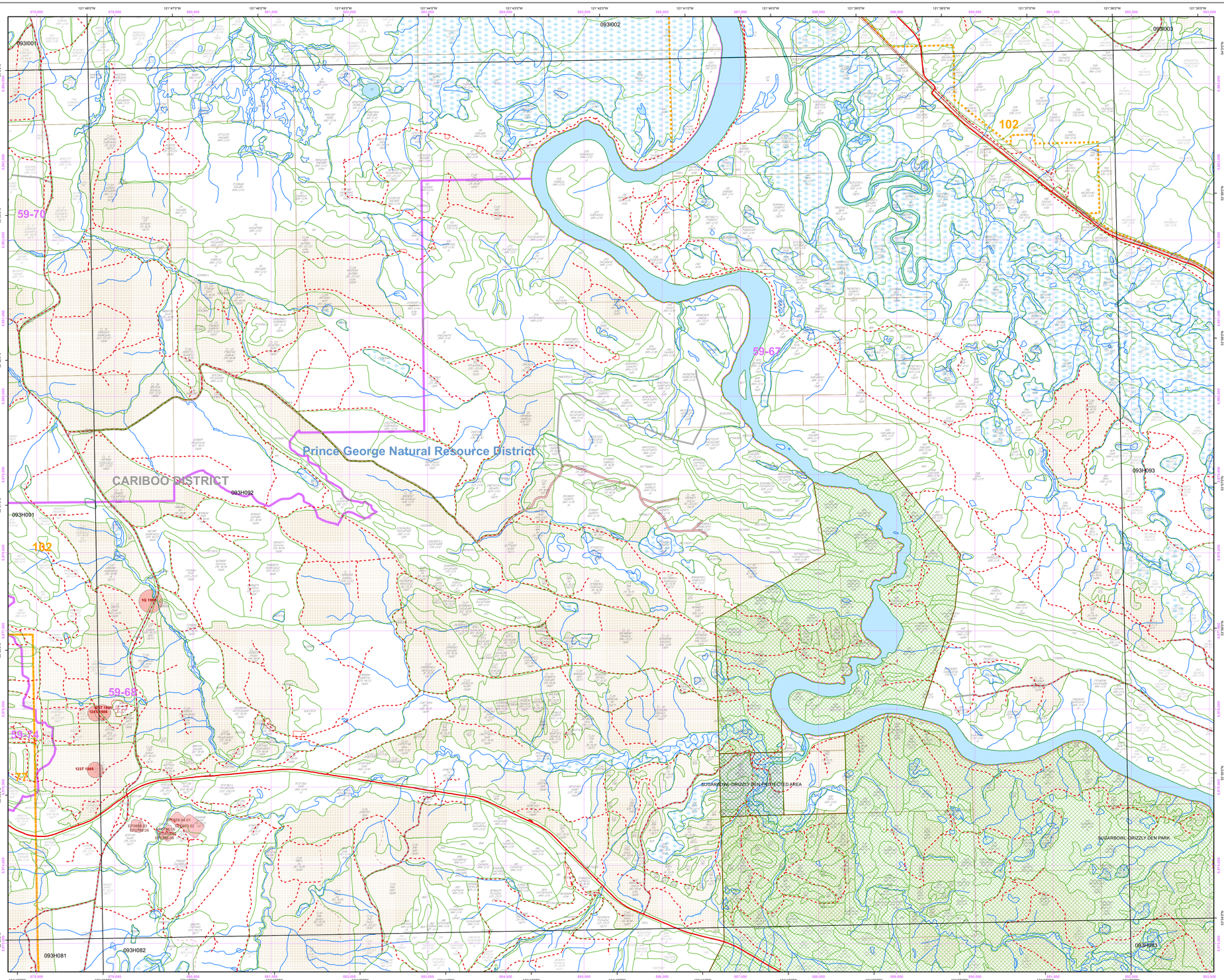
Example Opening History Details

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





Overflow Labels