093H052

Vegetation Map
093H052

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 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 contained 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, 2018

MAP SYMBOLOGY

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

TRIM_Base Features:
- As 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/Ice-Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RKV_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 SHOULDER symbol and Opening Number
2 Polygon Number - multi-layer stand indicator (L)
3 Species Composition
ex: the most important layer is described as Fd (Douglir 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 Site Modifier - Site Series - Ecosystem Classification description
ex: a forest 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

xxxx - opening number valid for BCGS mapsheet zzzzx - 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
Ce	Alaska Cedar
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Coastal Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	BALSAM
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwm	Mountain x 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
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Pxj	Provincial Pine (yellow)
Pfc	Shore Pine (coast)
Pxc	Provincial Pine (white)
Pw	Western Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sxl	White Spruce
Sx	Spruce Hybrid
Sxw	Spruce Hybrid White
Sxs	Sitka x White
Sxx	Sitka x unknown hybrid
Sz	Sitka
Sw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dl	Sitka Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Act	Black Cottonwood
Ax	Hybrid Poplar
At	Trembling Aspen
R	ARBUTUS
Rm	Pacific Madrone
E	BIRCH
Ea	Alaska Paper Birch
Ep	Alaska Paper Birch hybrid
Ew	Paper Birch (white)
Ee	Water Birch
Ey	Yellow Birch
Kc	CASCARA
V	CHERRY
Vf	Choke Cherry
Vm	Choke Cherry
Vp	Pin Cherry
Vv	DOGWOOD
Vc	Pacific Dogwood (western flowering)
G	GARRY OAK
Gm	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wr	Pacific Willow (Barclay's)
Wsf	Rusty Willow (gray leaved)
Ws	Scouler's Willow
Wy	Sitka Willow (blue-leaved)

UNKNOWN - OTHER

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

EXOTICS

AP	APPLE
Ua	Apple
Act	BALSAM, COTTONWOOD or POPLAR
Ad	Southern Cottonwood
B	BIRCH
Ek	European Birch
Ex	Grove Birch (swamp)
Ey	Yellow Birch
C	CHERRY
Cs	Sweet Cherry
Y	CYPRESS
Yo	Japanese Cedar
F	FIR (Balsam)
Bb	*Balkan Fir
Bn	*Nikko Fir
Bp	*Shasta Red Fir
Bc	*White Fir
L	LARCH
Ld	*Dahurian Larch
Lk	*European Larch
Lj	*Japanese Larch
M	MAPLE
Mb	Box Elder
Mn	Norway Maple
Mp	*Sycamore Maple
O	OAK
Qe	*English Oak
Qw	*White Oak
X	OTHER EXOTICS
Dc	*Common Alder
Os	*Giant Sequoia
Ob	*Coast Redwood
Oe	European Mountain Ash
Oa	Siberian Ash (southern)
Oj	Japanese Ash
Og	Oregon Ash
Ow	*White Ash
Ow	*Green Ash, Hickory
Q	Tree-of-Heaven
Qa	Japanese Walnut
S	SPRUCE
Sn	*Norway Pine
Pr	*Red Pine
Ps	*Scots Pine
U	SPRUCE
Sn	*Norway Spruce

Line 4

4a. AGE CLASS

CODE	LIMITS (years)
1	1-40
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 breast height age. Site index curves are listed in the Forest Inventory Handbook. Where 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 aren;t present, e.g. Deciduous stands, Pl, Ss, Sx, Sw, Hw, Cw. Estimated SI 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 recorpds)

NON-TREED SHRUB
- sa SHRUB - shrub with average shrub height > or = to two metres.
- sl SHRUB LOW - 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.
- hgw HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- by BRYOID - 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 recorpds)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
b	BEACH	h	HEAD	mw	MUDFLAT WATER SPOILS
bl	BLOCKFIELD	lk	LAVA BED	oc	OCEAN
br	BEDROCK	l	LANDING	ot	OTHER
cp	CULTIVATED AREA	ls	LAKE SEDIMENTS	rc	RECREATION COVER
cb	CUTBANK	op	OPEN PIT MINE	re	RESERVOIR
es	EXPOSED SOILS	rm	MORAINE	r	RIVER / STREAM
gl	GLACIER		Note: Water categories (ea, ls, r, re, rl) not identified over 50 percent coverage.		

rm	RESERVOIR MARGIN
rr	RAILWAY SURFACE
rs	RIVER SEDIMENTS
u	ROAD SURFACE
s	SAND
t	TAILINGS
ur	URBAN

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

A	ALPINE	NPBR	NON PRODUCTIVE BRUSH	SAND	SAND
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	TIDE	TIDAL FLAT
F	FARMLAND	NPLC	NON PRODUCTIVE FOREST (Spruce	U	URBAN
G	GRAVEL BAR	N/A	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OK	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
H	HERBS	OW	OPEN WOOD	NCW	NON COMMERCIAL
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUDFLAT	S	SWAMP	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

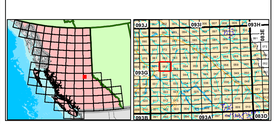
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
D	Insects and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
C	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

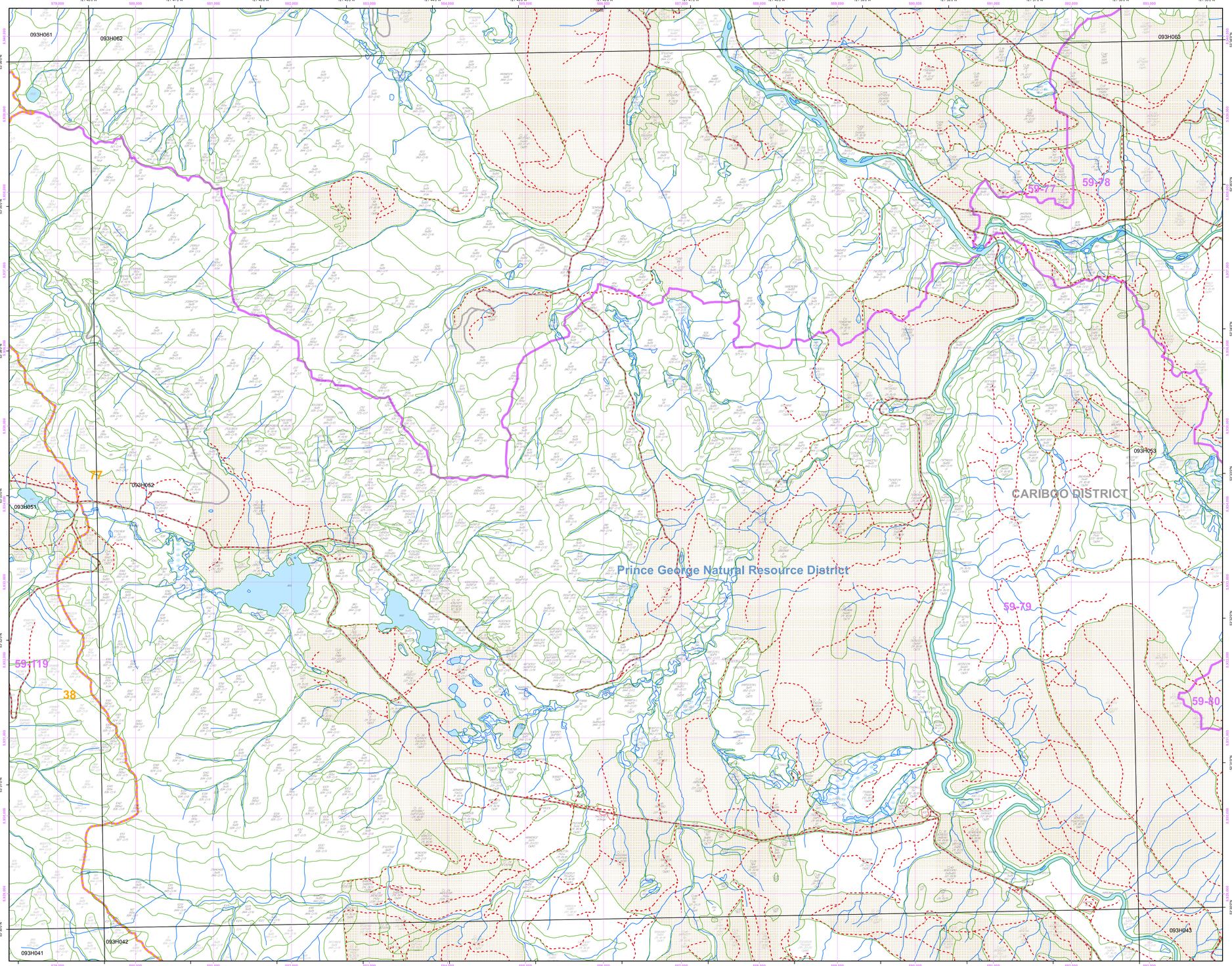
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF 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

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