092B061

Vegetation Map
092B061

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 m ap 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 revised a June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM_Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails-Cutlines
- Railways
- Airf ields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroelectric dams - 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 - 1% 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:

```
C 92
2014
Fd Hw
41 20
Rd/d
D078
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LINE DESCRIPTION:
1. Silviculture symbol and Opening Number
2. Age Class (Site Index for multi-layer stand indicator 6.)
3. Species Composition
   ex. the most important layer is described as Fd (Douglas 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. Vegetated Density Class (non-forest/Productive Descriptor)
   ex. a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
6. Disturbance History & year - ex Logged in 1970

Line 1 - History Record Opening Number

C92 - opening number is old for BCGS mapsheet *2007* - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
1, - Multi-layered stand: a separate description of each layer is available in the database, i.e. 1, 2)

Line 3 - BC Tree Code List

Species Complex: 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
Cy	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	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	Sweetbr Juniper
L	LARCH
Lw	Alpine Larch
Lt	Tamarack
Ll	Subalpine Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Plj	Lodgepole x Jack Pine hybrid
Pa	Whitebark Pine (alpine)
Pfo	Knox Pine (coast)
Pw	Western White Pine
Pyc	Ponderosa Pine
S	SPRUCE
Sb	Black Spruce
Sbo	Black Spruce/Hybrid
Se	White Spruce
Sw	White Spruce
Sxe	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x Unknown hybrid
Ss	Sitka Spruce
Te	Western Yew

NATIVE HARDWOODS

A	ALDER
Ar	Red Alder
Ava	Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Ap	Balsam Poplar
Act	Black Cottonwood
Ae	Trembling Aspen
At	Trembling Aspen
A	ARBUTUS
Mb	Pacific Madrone
B	BIRCH
Ew	Alaska Paper Birch
Ep	Paper Birch (Alaska hybrid
Ew	Paper Birch (white)
Ew	Water Birch
D	DOGWOOD
Dr	Pacific Dogwood
E	ELDER
Ve	Velder Cherry
Vi	Choke Cherry
Vu	Bitter Cherry
H	DOGWOOD
Dp	Pacific Dogwood (eastern flowering)
E	ELDER
Ea	Elder/Maple (re-defunct
Mv	Vine Maple
O	OAK
Gy	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bebb's/Vi
Ww	Pussy Willow (grey-leaved)
Wr	Red Willow
Ww	Sitka Willow (low-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (low-value tab)
Zy	other conifer
Zz	other hardwood

EXOTICS

Ue	APPLE
Ua	Apple
Act	BLACK COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
	BIRCH
Ek	*European Birch
Ex	Silver Birch (swamp)
Ey	*Yellow Birch
Ch	CHERRY
Uk	Sweet Cherry
	CYPRESS
Ty	*Montezuma Cedar
	FIR (Eastern)
Bb	*Balkan Fir
Bn	*Nikko Fir
Bp	*Shasta Red Fir
Bc	*White Fir
	LARCH
Lj	*Siberian Larch
Le	*European Larch
	MAPLE
Me	Box Elder
Mr	Norway Maple
Mp	*Sycamore Maple
	OAK
Qe	*English Oak
Qw	*White Oak
	OTHER EXOTICS
Ou	*Ginkgo
Oh	*Giant Sequoia
Ou	*Coast Redwood
Ou	European Mountain Ash
Ow	Siberian Elm (southern)
Of	Common Pear
Ou	*Black Walnut
Ow	*White Ash
Oi	*Shagbark Hickory
Ot	Tree of Heaven
	PINE
Pm	*Montana Pine
Pn	*Austrian Pine
Pp	*Scots Pine
	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	101-140
7	141-200
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. SI is based on the age and height of the dominant trees. Site index curves are species specific and use breast height age and height; estimated SI is shown after, or replaces, the SI.

4e: ESTIMATED SITE INDEX

SI is estimated when suitable SI trees were not present, e.g. young stands (<30yrs). It is denoted by a dash which always precedes the estimated SI. Site Index curves are site series and Variant Type Group and SI/Estimated source code.

Line 5: Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and (re)units)

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

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

NON VEGETATED
- N Exposed Land
- w Water - Marine
- w Water - Ice

NON VEGETATED CATEGORIES (for V and (re)units)

ra	AIRPORT	gl	GRAVEL PIT	mu	MUDFLAT SEDIMENT
rc	CLEARING	gp	GRAVEL PIT	mv	MUSKEG MINE SPOILS
rd	BLOCK/FIELD	lk	LAKEBED	mr	OCEAN
rh	BEDROCK	l	LANDING	mo	OPEN WATER
rp	CUTBLOCK/AREA	m	MINERAL/LAKE SEDIMENTS	mw	SNOW COVER
rs	CUTBLOCK/SOILS	o	OPEN PIT MINE	w	RESERVOIR
re	EXPOSED SOILS	mw	MORAINE		RIVER / STREAM
gl	GLACIER				

mu	MUDFLAT SEDIMENT			mm	RESERVOIR MARGIN
mv	MUSKEG MINE SPOILS			mr	RAILWAY SURFACE
mr	OCEAN			rs	RIVER SEGMENTS
mo	OPEN WATER			rr	ROAD SURFACE
mw	SNOW COVER			rl	TAILLOT
w	RESERVOIR			tl	TAILINGS
	RIVER / STREAM			u	URBAN

Note: Water categories (ra, rw, rs) not detailed over 90 percent coverage.

NON FOREST / NON PRODUCTIVE DESCRIPTOR CODES (for V reserves)

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	SL	SALT FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species		
G	GRASSLAND	R	ROCK BARRENS	MC	NON COMMERCIAL
GR	GRAVEL PIT	OA	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	F	HAYFIELD	NP	NON PRODUCTIVE
L	LAKE/POND	P	PASTURE	NPBR	NON PRODUCTIVE RESTOCKED
MUD	MUDFLAT	S	SWAMP	NTA	NOT 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.

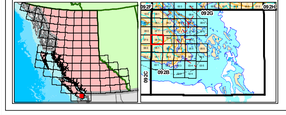
A	Animal Damage	L	Logging
B	Broken	M	Mist Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

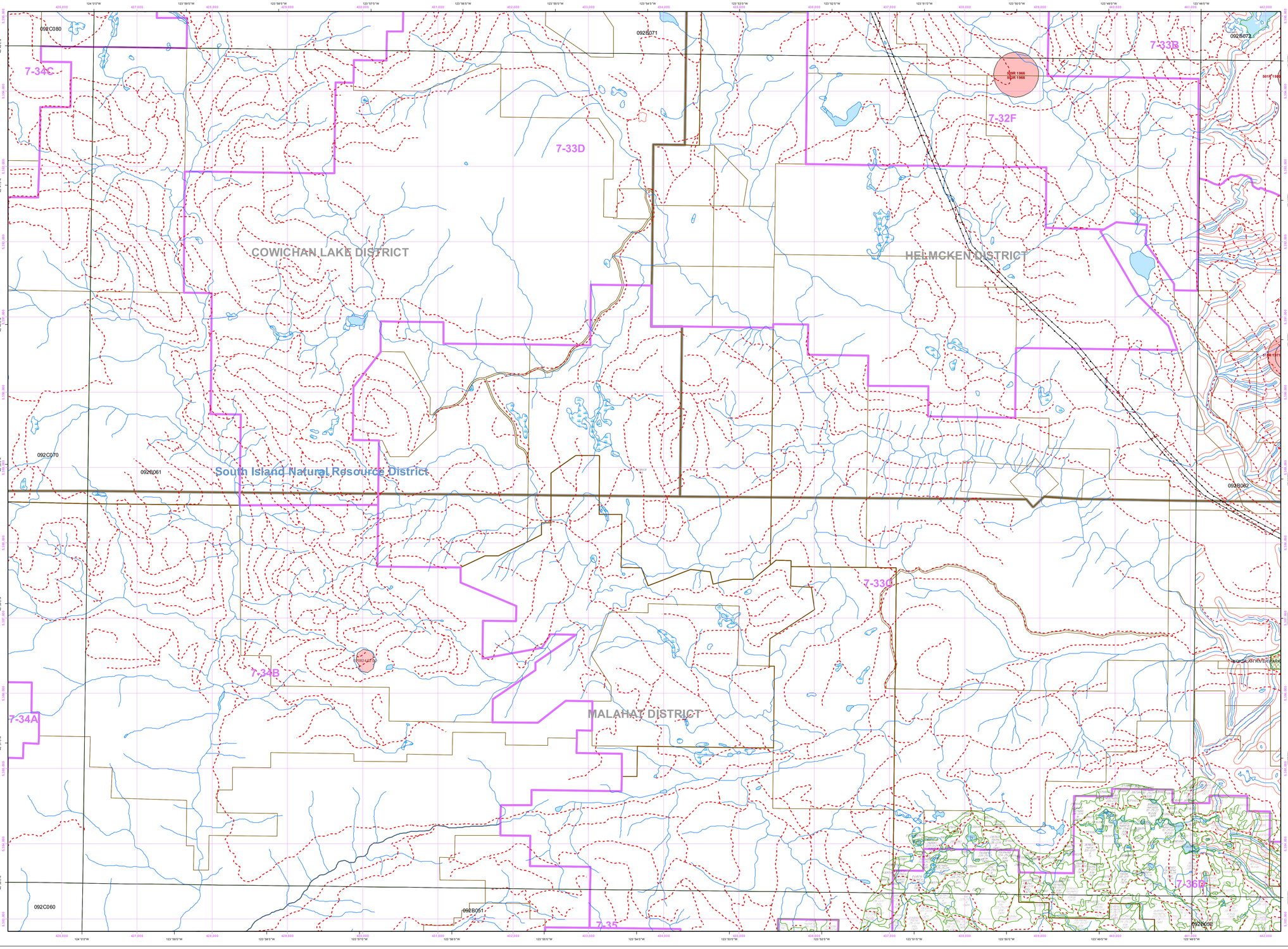
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either RIF 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 AREA
ACTIVITY - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

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