093B066

Vegetation Map
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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 displayed on this map is approximate. Forest cover polygons, 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 /// Vegetation
- Permanent Sample Plot (CP3)
- Research Installations

TRIM_Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Helis
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydr/Manmade - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- BEC 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 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: 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 (or Non-Forest/Productive Descriptor)
ex: Sparsely stocked, trees in non canopy between trees and graminoids, shrubs less that 2m.
6 Disturbance History
ex: Logged in 1978

Line 1 - History Record Opening Number

OP - opening number valid for BCGS mapsheet
nonP - 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	Yellow Cedar
Ylm	Mtn Hemlock
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
F	FIR (Balsam)
Ba	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
L	LARCH
Lt	Alpine Larch
Lw	Western Larch
P	PINE
Pa	Alpine Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	White Pine
Pwc	Western White Pine
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxb	Spruce hybrid white
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Ss	Sitka
Sw	Western New

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Ac	Black Cottonwood
Ax	Hybrid Poplars
At	Trembling Aspen
R	ARBUTUS
Rw	Arbutus
Ep	BIRCH
Ew	Alaska Paper Birch
Ewp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vs	Bitter Cherry
Vu	Choke Cherry
Vv	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Qg	Garry Oak
Qx	OAK hybrid
Zh	other hardwood

EXOTICS

W	APPLE
Wi	Siberian Larch
Aif	ASPEN, COTTONWOOD or POPLAR - Southern Cottonwood
Ep	BIRCH
Epu	European Birch
Ey	Silver Birch (swamp)
Ey	Yellow Birch
Vs	CHERRY
Vs	Sweet Cherry
Y	CYPRESS
Yp	Port Orford Cedar
F	FIR (Balsam)
Bp	Balsam Fir
Bg	Noble Fir
Bn	Nordmann Fir
Bc	White Fir
L	LARCH
Lk	European Larch
Lj	Siberian Larch
M	MAPLE
Mp	Norway Maple
Mp	Sycamore Maple
E	ELM
Ge	English Oak
Gw	White Oak
Q	OAK hybrid/QS
Qe	Incense Cedar
Qb	Giant Sequoia
Qs	Sessile Oak/Red
Qd	European Mountain Ash
Qw	Siberian Elm (southern)
Qg	Grecian Fir
Qg	Oregon Ash
Qh	White Ash
Qx	Green Ash hybrid
Ql	Tree-of-Heaven
Qk	Japanese Walnut
P	PINE
Pm	Monterey Pine
Pr	Red Pine
Pn	Scots Pine
X	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	101-120
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)
T	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 20/50). Where a site curve is not available, working species, 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 aremt present, e.g. immature stands. SI is estimated by the use of site index adjustment procedure 6. 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 with average shrub height > or = to two metres.
- w - 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.
- hg - HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED MOSS
- by - BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
- bm - BRYOID - MOSS - bryoid with mosses, liverwork, and hornwork > 50% of the bryoid cover.
- bl - BRYOID - LICHEN - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- r - Rock / Bedrock
- rr - Rock / Rubble
- ri - Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ag	AGGREGATE	gp	GRAVEL PIT	mi	MUD/FLAT SEDIMENT
bl	BEACH	lg	LAGOON	mp	PUDDLY WINE SPOILS
bf	BLOCKFIELD	lb	LAVA BED	oc	OCEAN
br	BEDROCK	lk	LANDING	or	ORCHARD
cb	CONSTRUCTION AREA	ls	LAKE SEDIMENTS	os	OPEN SNOW COVER
cu	CUTBANK	pn	OPEN PIT MINE	re	RESERVOIR
es	EXPOSED SOILS	mn	MORAINE	rs	RIVER / STREAM
fl	FLOOD				

Note: Water categories (ie. lk, os, rs) not labelled over 50 percent coverage.

rm	RESERVOIR MARGIN		
rm	RAILWAY SURFACE		
rs	RIVER SEDIMENTS		
rd	ROAD SURFACE		
ta	TALUS		
tl	TAILINGS		
ur	URBAN		

NON-FOREST / NON-PRODUCTIVE DESCRIPTORS (for I records)

AF	AGRICULTURE FIELD	NPBR	NON PRODUCTIVE BRUSH
AP	ALPINE FOREST-Species	NPBS	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CF	CROP FIELD	NPF	NON PRODUCTIVE FOREST -Species
G	GRASS, DAM	NTA	NOT TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
HF	HAY FIELD	P	PASTURE
M	MEADOW	R	ROCK
MUD	MUD FLAT	S	SWAMP

SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NCBU	NON COMMERCIAL BURN		
NOT	NOT SUFFICIENTLY RESTOCKED		
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
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		

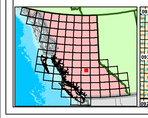
R	Site Rehabilitation		
T	Trainced Injuries		
U	Damage Unknown		
V	Problem Vegetation		

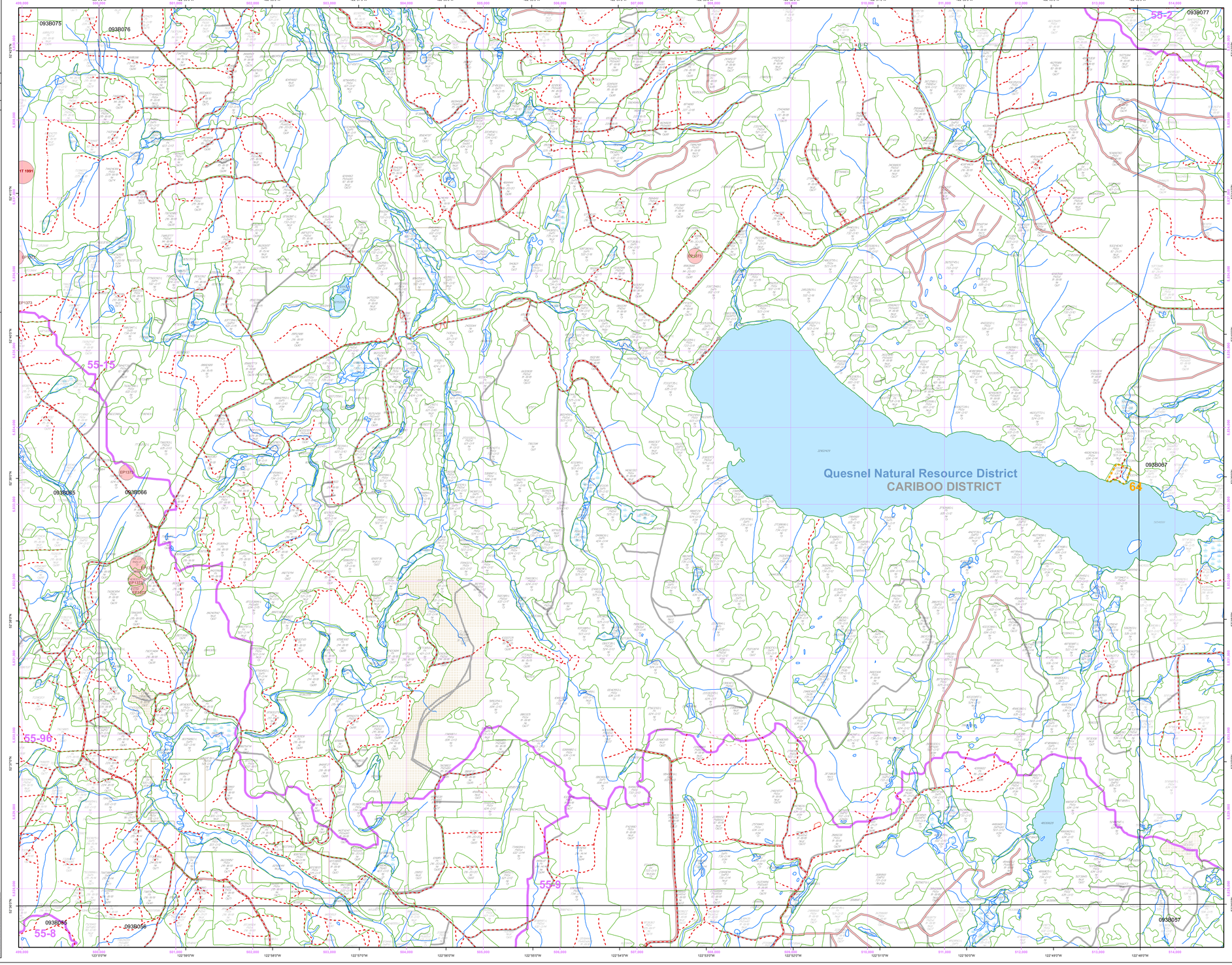
Example Opening History Details

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 Data" to turn on display values for :

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





Overflow Labels

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