Vegetation Map
092P056

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 facilitate the production of hardcopy maps at various standard scales. The currency, accuracy and completeness of this 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).

Values Projected To: January 1, 2016.

MAP SYMBOLOGY

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

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

Administrative Boundaries:
- BC Provincial Boundary
- DND,MRO Region boundary
- Resource District boundary - FADM
- RV - 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 (Douglas Fir) and Hw (Western Hemlock).
4 Age Class, Height Class, Crown Closure Class, Site Index, Site Index Estimate
ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (0-10%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex: a Fe/b polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

xxxx - 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 4.0 dated January 2009.

NATIVE CONIFERS

C	CEDAR
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 (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
Js	Sitkaside 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)
Plg	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pyi	Ponderosa Pine
Pw	Western White Pine
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Spruce hybrid White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Ss	Sitka Spruce
T	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
V	APPLE
Vk	Pacific Crab Apple
A	ASPEN/BALSAM/COTTONWOOD or POPLAR
Ac	Paper Birch (white)
Act	Trembling Aspen
Ax	Black Cott.
Ba	Balsam Poplar
Abl	Balsam Poplar/Aspen
Ai	Hybrid Poplars
At	Trembling Aspen
Ax	Black Cott.
Ba	Balsam Poplar
E	BIRCH
Ep	Alaska x Paper Birch hybrid
Ew	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Eb	Swamp Birch
K	CASCARA
Kc	Cascara
M	MAPLE
Mb	Bitter Cherry
Vv	Choke Cherry
Vu	Pin Cherry
G	GARRY OAK
Gb	Garry Oak
H	HAWTHORN
Hk	Black Hawthorn
Hp	Pacific Willow
Hsb	Scouler's Willow (Barclay's)
Hsf	Hooker Willow (grey-leaved)
Hsh	Scouler's Willow
Hsl	Sitka Willow (lance-leaved)

UNKNOWN - OTHER

Xc	unknown conifer
Xh	unknown hardwood
Xl	other conifer (not on list)
Xl	other conifer
Zh	other hardwood

EXOTICS

Ux	APPLE
	ASPEN, COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
Ae	*Aspen
Eo	European Birch
Ey	Silver Birch (exempt)
Ep	Silver Birch
Ux	CHERRY
Ys	Sweet Cherry
Yt	*Tree Cherry
Y	*Pont Orford Cedar
Fb	FIR (Balsam)
Bb	Noble Fir
Bn	Noble Fir
Bm	*Shasta Red Fir
Bc	Grand Fir
	LARCH
Ld	*Dahurian Larch
Le	European Larch
	MAPLE
Mb	Box Elder
Mn	Norway Maple
Mb	*Sycamore Maple
	OAK
Qg	*English Oak
Qw	*White Oak
	ORNAMENTALS
Ok	*Horsher Cedar
Ok	*Giant Sequoia
Ok	*Coast Redwood
Ok	European Mountain Ash
Ok	Siberian Elm (southern)
Ok	*Hackberry
Oj	Oregon Ash
Oh	*White Ash
Oh	*Green Ash hickory
Oj	Tree-of-Heaven
Ok	Japanese Walnut
	PINE
Pn	*Monterey Pine
Pr	*Red Pine
Pb	*Austrian 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	101-120
7	121-140
8	141-260
9	261 +

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 and co-dominant trees in the stand. Where both 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. young stands (<30yrs). It is denoted by a slash which always follows the SI. Estimated SI values are based on the inventory Type Group and SI Estimated source code.

Line 5 Vegetation records

VEGETATED NON-TREE CATEGORIES (for'v' and l razor4s)

NON-TREED SHRUB
- s 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.
- hg HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- bc BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mossy bryoid the dominant/a > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for'v' and l razor4s)

ea	AIRPORT	gp	GRAVEL PIT	ms	MUDFLAT SEDIMENT
ga	GRAVEL	gr	GRAVEL	mt	MUDFLAT/ MINE SPOILS
h	BLOCKFIELD	la	LAVA BED	os	OCEAN
br	BEDROCK	li	LANDING	ot	OTHER
cb	CLIFF/BLUFF/CAVE	ls	LANDSLIDE SEDIMENTS	ow	OPEN WATER
cu	CUTBANK	rs	ROCK FIT MASS	r	RESERVOIR
es	EXPOSED SOILS	rm	MORAINE	r	RIVER / STREAM
gl	GLACIER				

rm	RESERVOIR MARGIN
rs	RIVER SEDIMENTS
rs	RIVER SEDIMENTS
rs	ROAD SURFACE
s	SNOW
tl	TAILINGS
ur	URBAN

Note: Water categories ds, dc, ow, rs not labelled over 80 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for'l' razor4s)

AF	ALPINE FOREST	NPBR	NON PRODUCTIVE BRUSH
AFSp	ALPINE FOREST Stands	NPBU	NON PRODUCTIVE BURN
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN - Pipeless
CL	CLEARING	NTA	NOT TYPING AVAILABLE
G	GRASS, BAR	OR	OPEN RANGE
GR	GRAVEL PIT	R	ROCK / BLUFF
L	LAKE, POND	RI	RIVER
M	MEADOW	S	SWAMP
MUD	MUD FLAT		

SAND	SAND
TIDE	TIDAL FLAT
U	URBAN
NC	NON COMMERCIAL
NCBR	NON COMMERCIAL BRUSH
NFOR	NON FOREST
NSR	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.

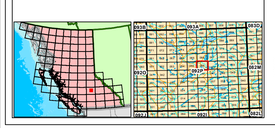
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

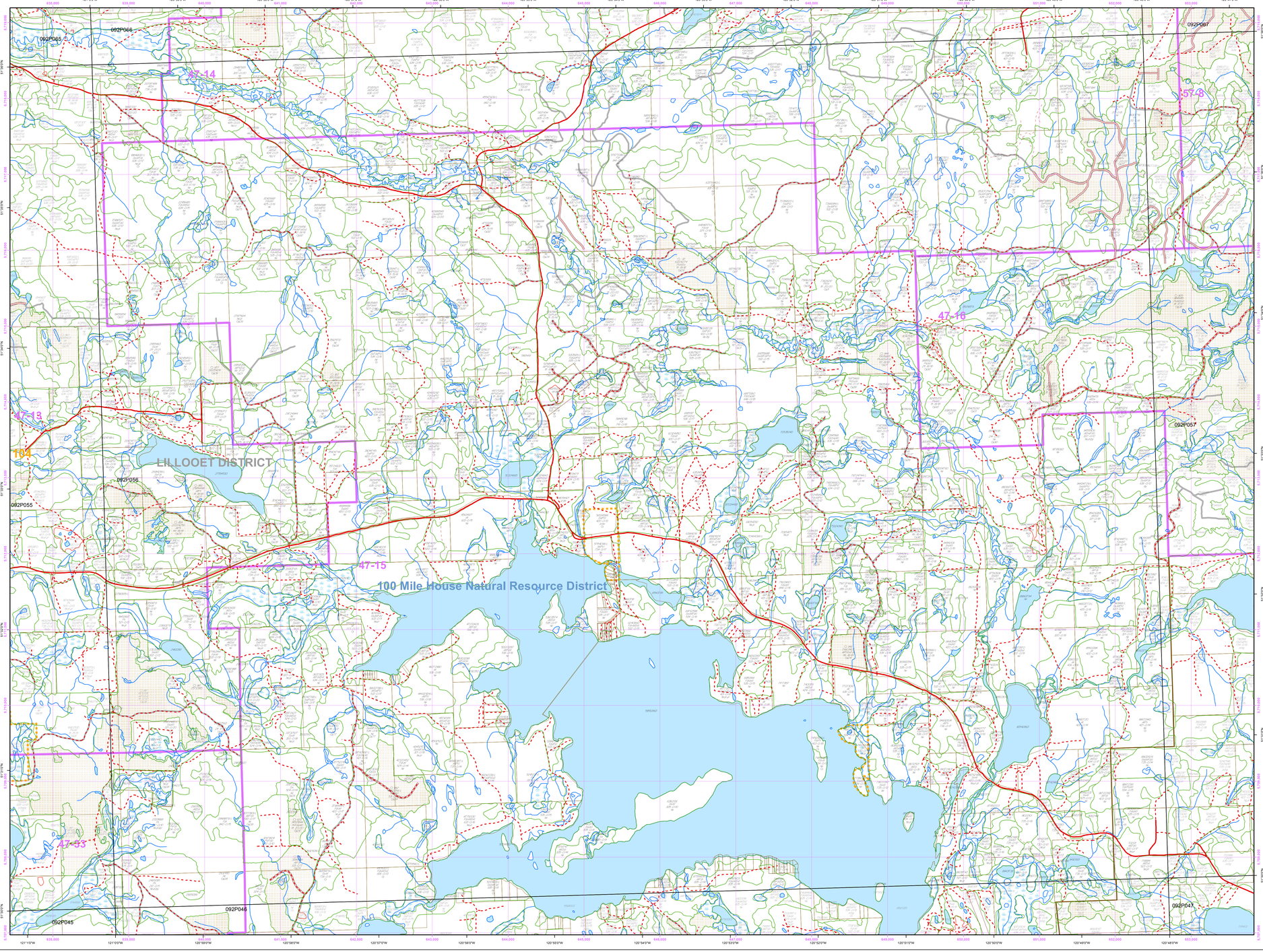
Example Opening History Details

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





Overflow Labels