092O089

Vegetation Map
092O089

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 in the warehouse is organized in to data Categories (e.g. administrative boundaries and the Ownership colour theme are for reference purposes only. (Last Revisions June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture 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
- Airl Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Aer/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

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 (< 1:200,000 ha - 15 % hatch)
- Municipal boundary (< 1:200,000 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    2  Polygon Number and multi-layer stand indicator (L)
 2    3  Species Composition
 3    ex. the most important layer is described as Fd (Dougls Fir) and Hw (Western Hemlock).
 4    4  Age Class - ex. 4 = 61-80 years, 5 = 81-100 years, 6 = 101-120 years, 7 = estimated 80
 5    +, no stand is age class 2 (21-40 yrs), height class 1 (0-10.4m), crown closure class 1 (6-10%). SI 20m
 6    5  Vegetated Density Class (or Non-Forest/Productive Descriptor)
 7    ex. a fertile 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

opening number valid for BCGS mapsheet — DOR - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
6, - 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 dataed 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 (Balsam)
Bl	Subalpine 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	Seaside Juniper
LARCH	
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine hybrid
Pm	Mountain Pine
Pp	Shore Pine (coastal)
Pw	Western White Pine
Pxj	White x Jack Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxe	White x Engelmann
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
YEW	
Tw	Western Yew

NATIVE HARDWOODS

D	DECIDUOUS
U	APPLE
Ua	Pacific Crab-Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Acb	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
Ab	ARBUTUS
E	ALDER
B	BIRCH
Ew	Alaska Paper Birch
Ewxp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Kc	Cascara
V	CHERRY
Vu	Choke Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vs	Sweet Cherry
Vv	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
G	OAK
Gb	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bentley's)
Ww	Pussy Willow (gray-leaved)
Wr	Red Willow (river)
Wt	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xd	unknown deciduous
Z	OTHER (tree not on list)
Zc	other conifer
Zd	other hardwood

EXOTICS

XH	HORSE
Ai	ASPEN, COTTONWOOD or POPLAR (Asian Cottonwood)
Be	European Birch
Ep	Silver Birch (swamp)
Ev	Downy Birch
C	CHERRY
Cs	Sweet Cherry
Y	CYPRESS
Yo	Japanese Cedar
F	FIR (Balsam)
Bg	"Balsam Fir
Bm	"Fraser Fir
Bm	"Grands Red Fir
Bc	"White Fir
L	LARCH
Lk	"Dahurian Larch
Ls	"Siberian Larch
Ya	Yew
Ibe	Box Elder
Mh	"Norway Maple
Mr	"Red/Norway Maple
OX	
Qe	"English Oak
Qp	"Pin Oak
	OTHER EXOTICS
Oe	"Incense Cedar
Ol	"Monterey Cedar
Oc	"Coast Redwood
Oj	European Mountain Ash
Oa	"Western Red Ash
Of	Common Pear
Og	Oregon Ash
Oh	"Horse Chestnut
Ok	"Shagbarks Hickory
Oj	Tree-of-heaven
Ow	"European Walnut
HW	
Pm	"Monterey Pine
Pn	"Red Pine
Pb	"Eastern Pine
Ps	"Scots Pine
Sn	"Norway Spruce

Line 4

4a. AGE CLASS

CODE	AGE CLASS (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	HEIGHT CLASS (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	CROWN CLOSURE (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. Site index is determined by age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees are not present. e.g. young stands or Non-Forested sites. Estimated SI will always be given in Accordance with the site table for the Biogeoclimatic Type Group and SI Estimated source code.

Line 5 - Vegetation records

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

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

NON-TREED HERB
- he HERB
- hf HERB - FORBS - herb with no distinction between forbs and graminoids.
- hg HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- by BRYOIDS - 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
- n Exposed Land
- rs Rock / Rubble
- sr Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

aa	AVALANCHE	mq	MUDFLAT SEDIMENT
be	BEACH	mr	RUBBLY MINE SPOILS
br	BLOCKFIELD	o	OCEAN
bu	BURNED AREA	r	ROCK
bur	BURNED AREA TS	sn	SNOW COVER
cb	CUTBANK	re	RESERVOIR
cr	CREVASSES & MOLS	u	URBAN
gl	GLACIER		

Note: Water assigned to, or, re, rl, not labelled over 90 percent coverage.

mm	RESERVOIR MARGIN
mn	RAILWAY SURFACE
ns	RIVER SEGMENTS
rl	ROCK / SURFACE
t	TALUS
ts	TAILINGS
ur	URBAN

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

A	ALPINE	NP	NON-PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
CL	CLEARING	NPBU	NON PRODUCTIVE BURN
CL	CLAY MINE	NPF	NON PRODUCTIVE FOREST (Species
GL	GRAVEL BAR	NTA	NO TYPING AVAILABLE
GR	GRAVEL PIT	OA	OPEN RANGE
KD	KEEFIELD	P	HAYFIELD
MU	MUSKEG	R	ROAD
MUD	MUD FLAT	S	SWAMP

SAND	SAND
TIDE	TIDAL FLAT
U	URBAN
NC	NON COMMERCIAL
NCBR	NON COMMERCIAL BRUSH
NP	NON PRODUCTIVE
NSR	NON PRODUCTIVE RESTOCKED
NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

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

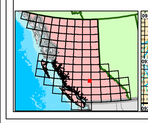
A	Animal Damage	L	Logging
C	Cone Crop	M	Mite Damage
D	Cone and Seed Insects	N	Non-Biological Injuries
I	Diseases	P	Cone and Seedling Fungal Pathogens
	Insects		
R	Site Rehabilitation
T	Treatment Injuries
U	Damage Unknown
V	Problem Vegetation

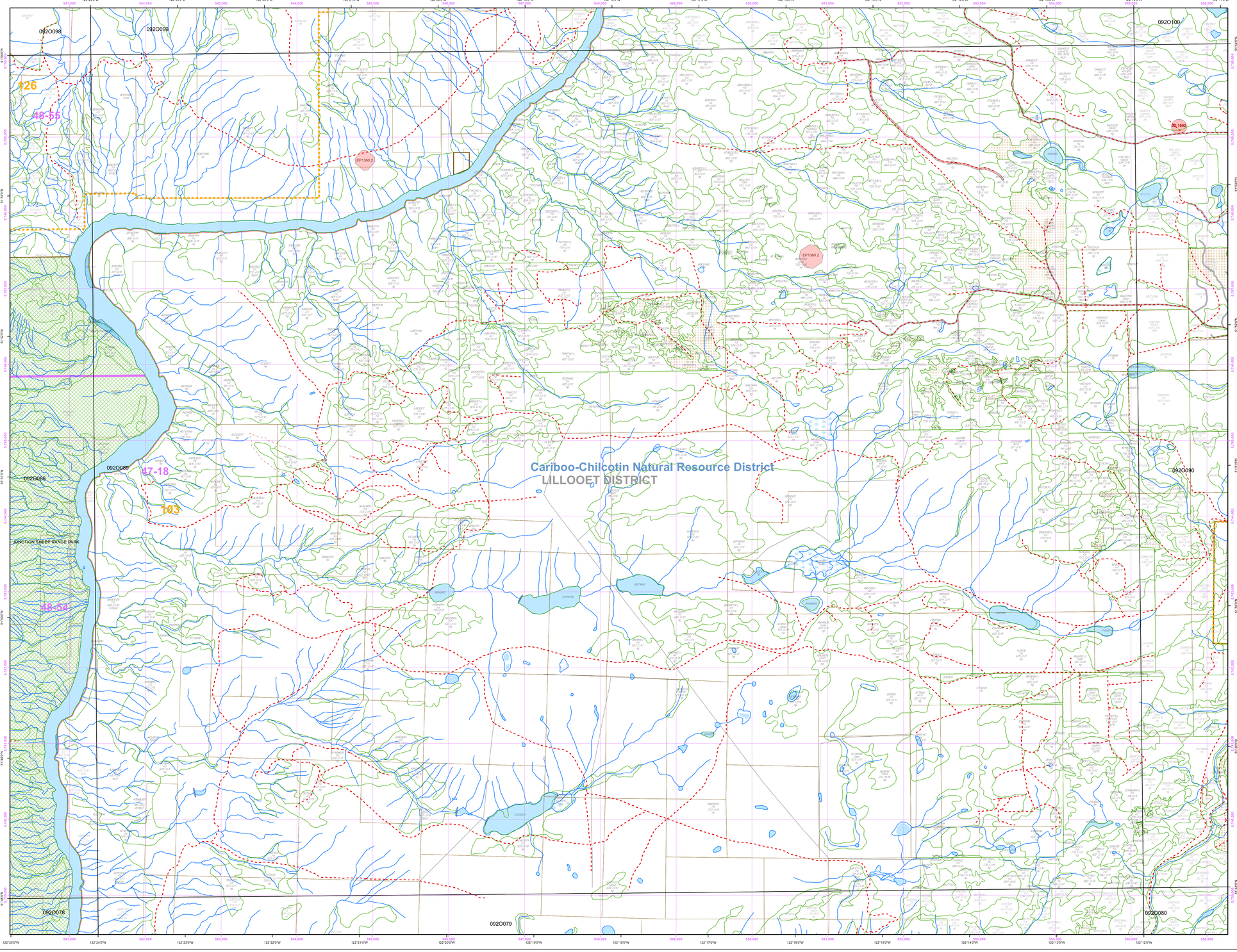
Example Opening History Details

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 -

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





Overflow Labels

092O089

092O089