092P088

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
092P088

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 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).

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (2013)
- Research Installations

TRIM Base Features:
- 4w Bulk 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
- Hydrkln/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 (> 1,000,000 ha)
- 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),
Cw (Western Redcedar) Species Code / explanation Site Index / estimated SI
ex. stand is age class 2 (21-40 yrs), height class 1 (0.1-12.4m), crown closure class 1 (6-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Description)
ex. a herb 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

OP - opening number valid for BCGS mapsheet
OP#### - 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 dataed 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	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Pxj	Ponderosa Pine (yellow)
Pic	Shore Pine (coast)
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Se	Englemann Spruce
Sx	Englemann Spruce
Ss	Sitka Spruce
Sxs	Spruce Hybrid
Sx	Spruce Hybrid
Sxw	Englemann x White
Sw	White Spruce
Sxs	Sitka x Unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Ue	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Ac	Black Cottonwood
Ax	Hybrid Poplars
At	Trembling Aspen
E	BIRCH
Ep	Alaska Paper Birch
Ekp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ek	Yellow Birch
C	CASCARA
Kc	Cascara
V	CHERRY
Vb	Choke Cherry
Vv	Pin Cherry
Vp	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Wyeloaf Maple (broadleaf)
Mv	Vine Maple
G	OAK
Gg	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wp	Pacific Willow
Whe	Peachleaf Willow (Bentley's)
Wr	Rocky Mountain Willow (Barrett)
Wrh	Scouler's Willow
Wr	Sitka Willow (low-leaved)

UNKNOWN - OTHER

x	UNKNOWN
Xh	unknown hardwood
Xs	unknown softwood
Z	OTHER (free not on list)
Zz	unknown
Zh	other hardwood

EXOTICS

	APPLE
Uf	Siberian
A	ASPEN, COTTONWOOD or POPLAR
Act	*Southern Cottonwood
Ae	*Aspen
Ea	European Birch
Ek	Silver Birch (swamp)
Ep	*Paper Birch
	CHERRY
Vs	Sweet Cherry
	CYPRESS
Yo	*Port Orford Cedar
	FIR (Balsam)
Bb	Noble Fir
Bp	Noble Fir
Bm	*Shasta Red Fir
Bn	Noble Fir
	LARCH
Lt	*Tamarack Larch
Ls	*Subalpine Larch
	MAPLE
Me	Box Elder
Mr	*Red Alder Maple
Ms	*Sycamore Maple
	OAK
Qe	*English Oak
Qg	*White Oak
	OTHER EXOTICS
Oa	*Horse Chestnut
Oc	*Giant Sequoia
Ov	*Coast Redwood
Ot	*Common Mountain Ash
Ow	Siberian Elm (southern)
Of	Common Pear
Oy	*Black Locust
Ot	*White Ash
Ot	*Straghorn Hickory
Ob	*Black Walnut
Oj	Japanese Walnut
	PINE
Pbe	*Monterey Pine
Pr	*Red Pine
Ps	*Sugar Pine
Pp	*Pinaster
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)
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
SI in m at 50 years, to the nearest metre referenced at 50 years
SI will be estimated, SI is based on the age and height of the leading species. When an accurate SI cannot be obtained from age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX
SI in m at 50 years, to the nearest metre, a second percent, e.g. 20 (+5%) or 20 (-5%). A 20% SI is entered as a dash which 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 records)

sl	SHRUB LOW
sm	SHRUB MED
sh	SHRUB TALL

- shrub with average shrub height < or = to two metres.
- shrub with average shrub height > two metres.

NON-TREED HERB

he	HERB
hf	HERB - FORBS
hg	HERB - GRAMINOIDS

- herb with no distinction between forbs and graminoids.
- herb with forbs > 50% of the herb cover.
- herb with gaminoids > 50% of the herb cover.

NON-TREED BRYOID

by	BRYOID
bm	BRYOID - MOSS
bl	BRYOID - LICHENS

- bryoid with no distinction between mosses and lichens by cover.
- bryoid with mosses, hornwort, and liverworts > 50% of the bryoid cover.
- bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED

e	Exposed Land
r	Rock / Rubble
s	Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
bl	BOULDER	h	HEAD	mv	MUDFLAT MINE SPOILS
bf	BOG/MARSH	la	LAVA BED	ro	OCEAN
br	BEDROCK	l	LANDING	ot	OTHER
ds	DEBRIS/TALUS	ls	LANDSLIDE SEDIMENTS	rc	RIVER/CREEK COVER
cs	CUTBANK	m	MINE/PIT NONE	rr	RESERVOIR
es	EXPOSED SOILS	mo	MORAINE	r	RIVER / STREAM
gl	GLACIER				

Note: Water categories (la, ou, rc, rr,r) identified over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F record)

AF	ALPINE FOREST	NPB	NON PRODUCTIVE BRUSH
AT	ALPINE FOREST Species	NPBS	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBS	NON PRODUCTIVE BURN
D	DISTURBED	NPF	NON PRODUCTIVE FOREST (Species
G	GRASSLAND	NV	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
M	MEADOW	R	ROCK/RUBBLE
N	NEGLIGIBLE	S	SWAMP
MUD	MUCFLAT		

BAND	BAND
TIDE	TIDAL FLAT
U	URBAN
NC	NON COMMERCIAL
NCBR	NON COMMERCIAL BRUSH
NCR	NON COMMERCIAL
NSR	NOT SUFFICIENTLY RESTOCKED
NTA	NO TYPING AVAILABLE
RES	RESERVOIR MARGIN
RIV	RIVER SEDIMENTS
RS	RIVER SEDIMENTS
rs	ROAD SURFACE
s	SNOW
TA	TAILINGS
U	URBAN

Line 6 - Disturbance History

Disturbance type code preceded 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	Weather	M	Mite Damage
C	Cone and Seed Insects	N	Nutrient Deficiencies
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		

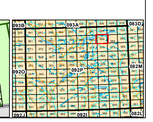
R	Site Rehabilitation
T	Treatment Injuries
W	Wildlife Damage
V	Problem Vegetation

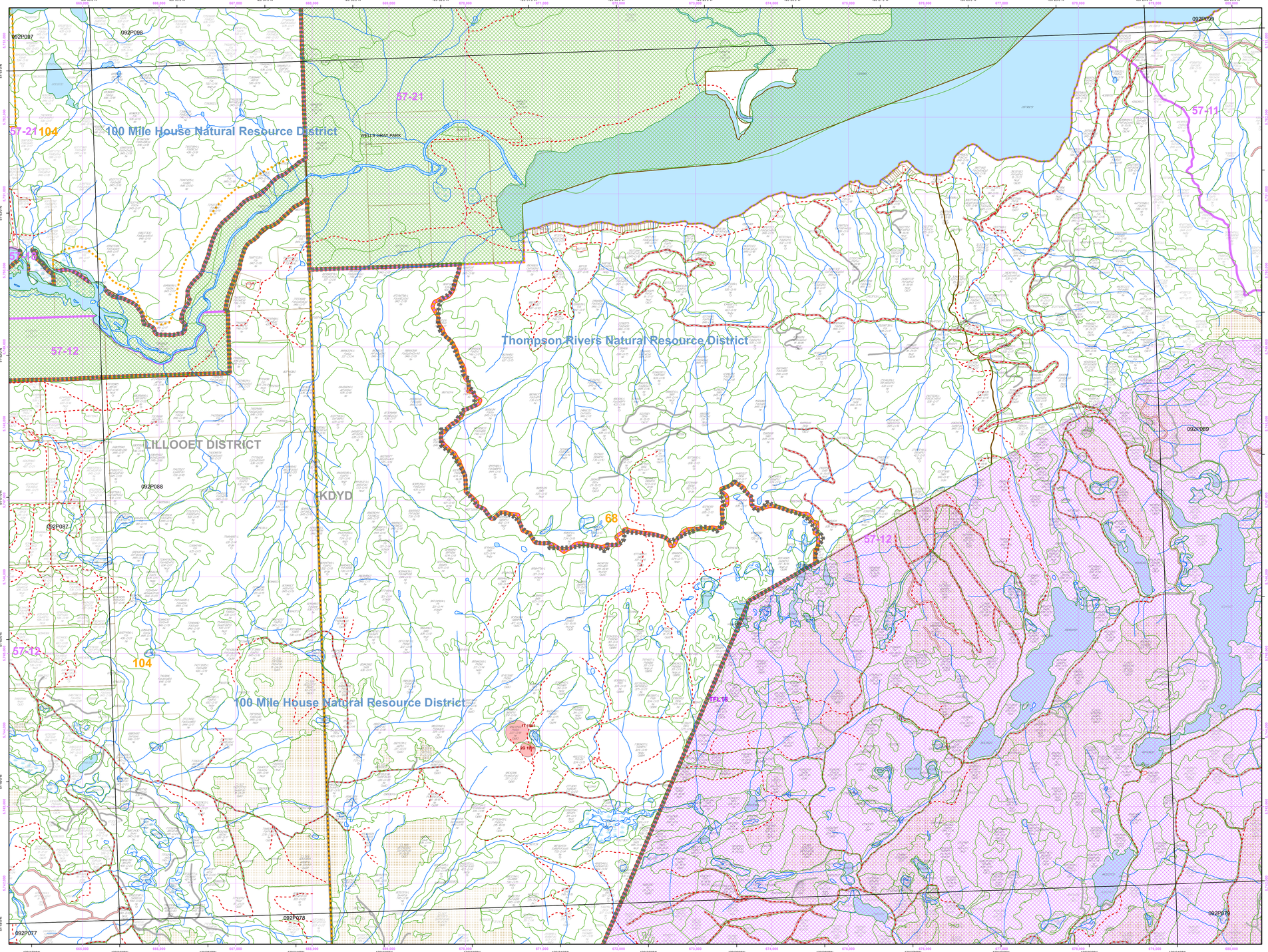
Example Opening History Details

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 "Silviculture Mapview" has this type of detailed information. Select the SILVICULTURE RC tab then click on "Display Silviculture Map" 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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