092J058

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 display the vegetation data for forest management purposes. Some of the information displayed on the map (particularly portrayal) 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
- Structure Opening in Vegetation
- Permanent Sample Plot (GYS)
- Research Installations

TRIM, Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Forest Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Act Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeh-Barriers - 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 - 75 % 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. Class P is sparsely stocked with trees and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

OUO - opening number valid for BCGS mapsheet ZXXW - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
Multi-layered stand Id 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 dated January 2009.

NATIVE CONIFERS

E	CEDAR
Cw	Western Red Cedar
Cy	Cypress
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Fdx	Douglas Fir
Ax	Amabilis Fir
Bg	Grand Fir
Bl	SUBALPINE FIR (BIFIR)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulin Juniper
L	LARCH
La	Alpine Larch
Lw	Western Larch
Lx	Western Larch x
P	PINE
Pa	Albert Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pwa	Western White Pine
Pyi	Whitebark Pine
Pxj	Jack Pine
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Hybrid Spruce
Sxb	Sitka x unknown hybrid
Sxe	Spruce
Te	Western Yew
Up	Pin Cherry
Ut	Black Cottonwood
Up	Pacific Crab Apple
Ut	Trembling Aspen
Uw	Water Birch
Vb	Bebb's Willow
Vc	Coyote Willow
Vp	Pussy Willow (grey-leaved)
Vs	Sitka Willow
Vw	Willow (low-leaved)
Y	YEW
Yc	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dm	Mountain
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Act	Black Cottonwood
Ae	Trembling
At	Trembling Aspen
R	ARBUTUS
Rm	ARBUTUS
B	BIRCH
Ep	Alaska Paper Birch
Ebp	Alaska Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
C	CHERRY
Cl	Cherry
Cv	Choke Cherry
Cw	Sweet Cherry
D	DOGWOOD
Dw	Dogwood (western flowering)
E	ELDER
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
G	OAK
Gb	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wc	Coyote Willow
Ww	Peachleaf Willow (Bembo's)
Wp	Pussy Willow (grey-leaved)
Ws	Scouler's Willow
Wsi	Sitka Willow (low-leaved)

UNKNOWN - OTHER

X	unknown conifer
Xc	unknown conifer
Xh	unknown hardwood
Xl	unknown tree (will on list)
Y	other conifer
Zh	other hardwood

EXOTICS

AP(X)	
Ap/x	Apple
AC	BALSAM, COTTONWOOD or POPLAR
Ad	Southern Cottonwood
BI	BIRCH
Bp	European Birch
Bw	Silver Birch (swamp)
Bw	Yellow Birch
C	CHERRY
Cw	Sweet Cherry
CW	CYPRESS
Cp	Nootka False Cedar
FP	FIR (Balsam)
Bp	Balsam Fir
Fb	Fraser Fir
Fp	Grand Fir
Bc	White Fir
L	LARCH
Ld	European Larch
Lj	Japanese Larch
Lx	Hybrid Larch
Mb	Box Elder
Mr	Norway Maple
Mp	Purple Leaf Maple
O	OAK
Qr	English Oak
Qw	White Oak
OC	OTHER CONIFERS
Ok	Incense Cedar
Ok	Giant Sequoia
Ok	Monterey Cedar
Ok	European Mountain Ash
Ok	Siberian Elm (southern)
Ok	Monterey Pine
Op	Oregon Ash
Oh	White Ash
Ok	Monterey Maple
Ok	Lawson Cypress
Pw	Monterey Pine
Pp	Ponderosa Pine
Pp	Scots Pine
PR(X)	
Sn	Norway Spruce

Line 4

4a. ASC CLASS

CODE	LIMITS (years)
1	0-20
2	21-40
3	41-60
4	61-80
5	81-100
6	101-120
7	121-140
8	141-200
9	201 +

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. If a stand is less than both age and height, estimated SI is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when unable to SI trees wereid present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes the SI. Estimated SI in the Site Index Map 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 TALL : 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
- bx BRYOID : 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-VEGETATED CATEGORIES (for V and I records)

ar	ROCK/RUBBLE	mf	MUD FLAT	mv	MUDFLAT SEDIMENT
be	BEACH	w	LAKE	ro	RUBBLY MINE SPOILS
bl	BLOCKFIELD	k	LAKE/RIVER	s	SAND
bu	BURNED AREA	r	RIVER	sl	OTHER
bu	BURNED AREA	c	POND or LAKE SEGMENTS	sn	SNOW/ICE COVER
cl	CLIFF	op	OPEN PIT MINE	t	RIVER/CONIFER
es	EXPOSED SOILS	s	SWAMP	u	RIVER / STREAM
gl	GLACIER				

Note: Water categories bk, ck, rk, rl not labelled over 60 percent coverage.

mv	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
ro	RUBBLY MINE SPOILS	rn	RAILWAY SURFACE
s	SAND	rp	RIVER/GRAVEL
sl	OTHER	rs	ROAD SURFACE
sn	SNOW/ICE COVER	t	TALUS
t	RIVER/CONIFER	tz	TAILINGS
u	RIVER / STREAM	ur	URBAN

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CP	CULTIVATED PASTURE	NPF	NON PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NOT TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
L	LAKE	R	ROCK/RUBBLE	NCBU	NON COMMERCIAL BURN
M	MEADOW	S	SWAMP	NNR	NOT SURVEYED/ RESTOCKED
MUD	MUD FLAT			NTA	NOT TYPING AVAILABLE

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.

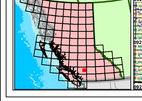
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

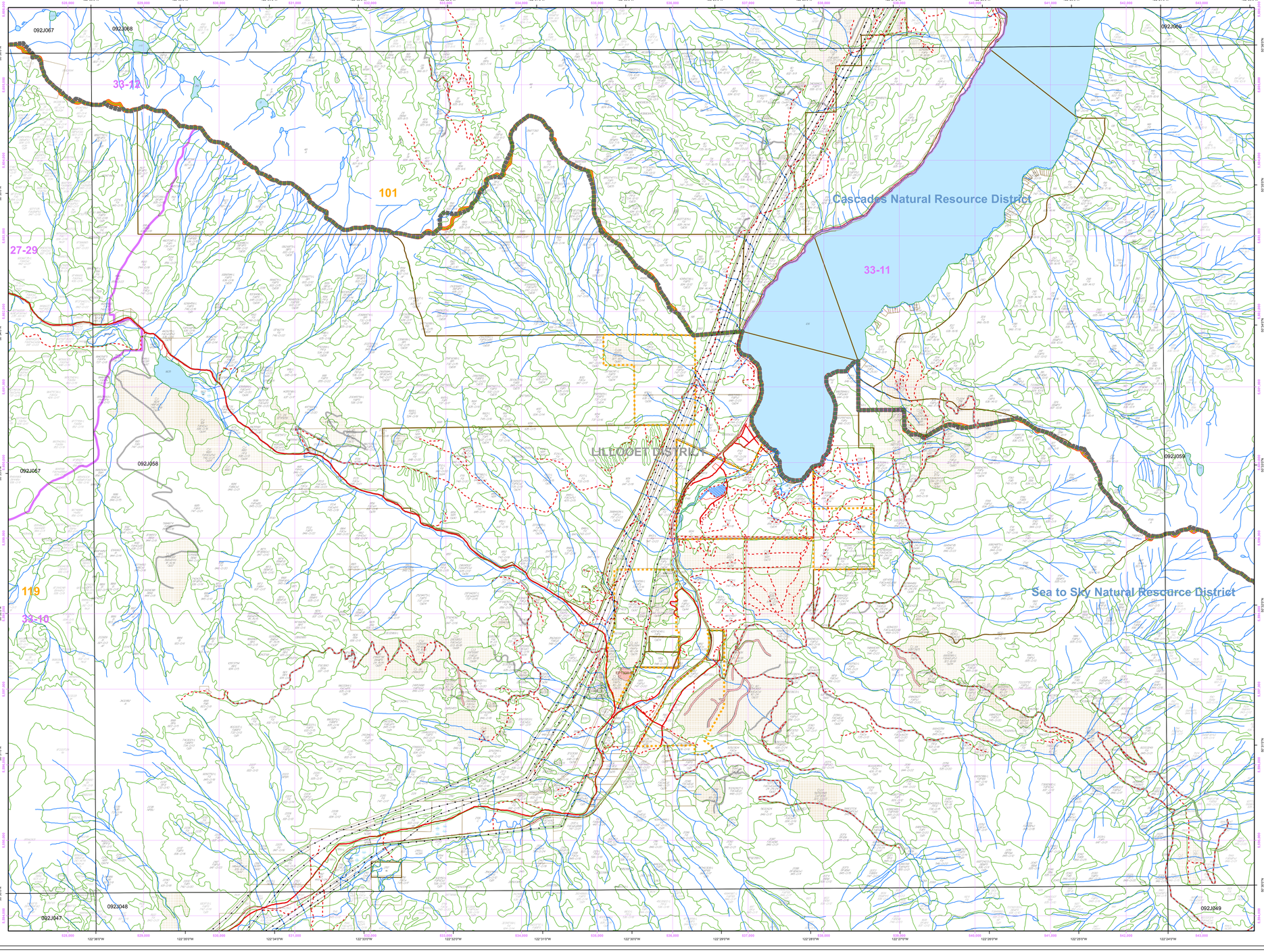
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMP 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
WILDLIFE TREE RETENTION FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

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