092P001

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 not to be used for determining 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 /# Vegetation
- Permanent Sample Plot (2013)
- 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
- Hydro/Reef/Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

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 (< 1:600,000 ha - 15 % hatch)
- Municipal boundary (> 1:600,000 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: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex. Logged in 1979

Line 1 - History Record Opening Number

OOO - opening number valid for BCGS mapsheet
0000 - 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 dated January 2009.

NATIVE CONIFERS
- C CEDAR
- Cw Western Red Cedar
- Y CYPRESS
- Yc Yellow Cedar
- H 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)
- Hw HEMLOCK
- Hm Mountain Hemlock
- Hw Western Hemlock
- Hwk Inland Western Hemlock hybrid
- J JUNIPER
- Jr Rocky Mtn. Juniper
- Js Scopulorum Juniper
- L LARCH
- Le Alpine Larch
- La Subalpine Larch
- Lw Western Larch
- P PINE
- Pa Whitebark Pine
- Pl Lodgepole Pine
- Pli Lodgepole Pine (Interior)
- Plc Lodgepole x Jack Pine hybrid
- Py Ponderosa Pine (yellow)
- Pw White Pine
- Pwa Western White Pine
- Pw Whitebark Pine
- S SPRUCE
- Sb Black Spruce
- Se Engelmann Spruce
- Sw White Spruce
- Sx Spruce hybrid
- Sxb Spruce x Black Spruce
- Sxl Sitka x Alaska
- Sxw Sitka x unknown hybrid
- Ss Sitka Spruce
- Te Western Yew

NATIVE HARDWOODS
- D ALDER
- Dr Red Alder
- U APPLE
- Um Pacific Crab Apple
- A ASPEN, COTTONWOOD or POPLAR
- At Aspen
- Ac Black Cottonwood
- Act Hybrid Poplars
- Ae Trembling Aspen
- B BIRCH/ALDER
- Ba Arbutus
- Bb Birch
- Bpa Alaska Paper Birch
- Bpp Alaska x Paper Birch hybrid
- Bpw Paper Birch (white)
- Bw Water Birch
- K CASCARA
- C CHERRY
- Cv CHERRY
- Vs Sitka Cherry
- Vu Choke Cherry
- V Pin Cherry
- G DOGWOOD
- Gp Pacific Dogwood (western flowering)
- M MAPLE
- Mb Bigleaf Maple (broadleaf)
- Mv Vine Maple
- O OAK
- Qg Garry Oak
- Qx Oregon Oak
- Wb Bebb's Willow
- Wc Pacific Willow
- Wp Prairie Willow (Bebb's)
- Wr Rosey Willow (prairie)
- Ws Scouler's Willow
- Wy Sitka Willow (tide-leaved)

UNKNOWN - OTHER
- X unknown
- Xc unknown conifer
- Xh unknown hardwood
- Xl unknown (alive not tall)
- Z Other species
- Zx other hardwood

EXOTICS
- AP APPLE
- Ax Apple
- A ASPEN, COTTONWOOD or POPLAR
- Af Southern Cottonwood
- B BIRCH
- Ea European Birch
- Ep Paper Birch (Europe)
- Ey Yellow Birch
- C CHERRY
- Cs Mazzard Cherry
- Y CYPRESS
- Yo Ohuri Oxford Cedar
- F FIR (Balsam)
- Fa Alaskan Fir
- Bp Noble Fir
- Bn Nordmann Fir
- Bc White Fir
- L LARCH
- Le European Larch
- Lk Siberian Larch
- M MAPLE
- Mr Red Maple
- Mn Norway Maple
- Mp Sycamore Maple
- O OAK
- Qe English Oak
- Qw White Oak
- P PINE (EXOTICS)
- Pp Ponderosa Pine
- Pn Nobelis
- Pr Red Pine
- Py Yellow Pine
- S 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)
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 estimated from the site trees in the best looking stand/s. 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 aren/d present, e.g. Immature stands, Non-Forest, Rock, Water, etc. Site trees are from always preceded in Associated fields in the data base and 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 - shrub with average shrub height > or = to two metres.
- H SHRUB - DEC - shrub with average shrub height < two metres.

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

NON-TREED BRYOID
- b BRYOID - 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 - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT
bm	BOG/MUSKEG	l	LAKE
bl	BLOCKFIELD	li	LAKE BED
br	BEDROCK	ll	LANDING
cr	CREVASSE/CREA	ls	LANDING LAKE SEDIMENTS
cu	CUTBANK	o	OPEN PIT MINE
ea	EXPOSED SOILS	rm	MORAINE
gl	GLACIER		

Note: Water categories (w, lw, ww, rs) not labelled over 50 percent coverage.

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

AF	AGRICULTURE FIELD	SAND	SAND
AP	ALPINE FOREST (Species)	NPBR	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLEARING	NPSP	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
M	MEADOW	R	ROCK/TALUS
MUD	MUDFLAT	S	SWAMP

MU	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
OW	OPEN WATER SPOILS	rr	RAILWAY SURFACE
oc	OCEAN	rs	RIVER SEDIMENTS
ot	OTHER	rd	ROAD SURFACE
ro	ROCK OUTCROP	s	SNOW
re	RESERVOIR	ta	TAILINGS
r	RIVER / STREAM	ur	URBAN

SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
NC	NON-COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NSR	NOT SUFFICIENTLY RESTOCKED		
NSR	NOT SUFFICIENTLY RESTOCKED		
NTA	NO 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.

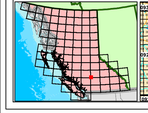
A	Animal Damage	L	Logging
B	Broken/Bent	M	Mite Damage
C	Cone and Seed Insects	N	Non-Forest Initiated Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
W	Damage Undetermined		
V	Problem Vegetation		

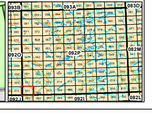
Example Opening History Details

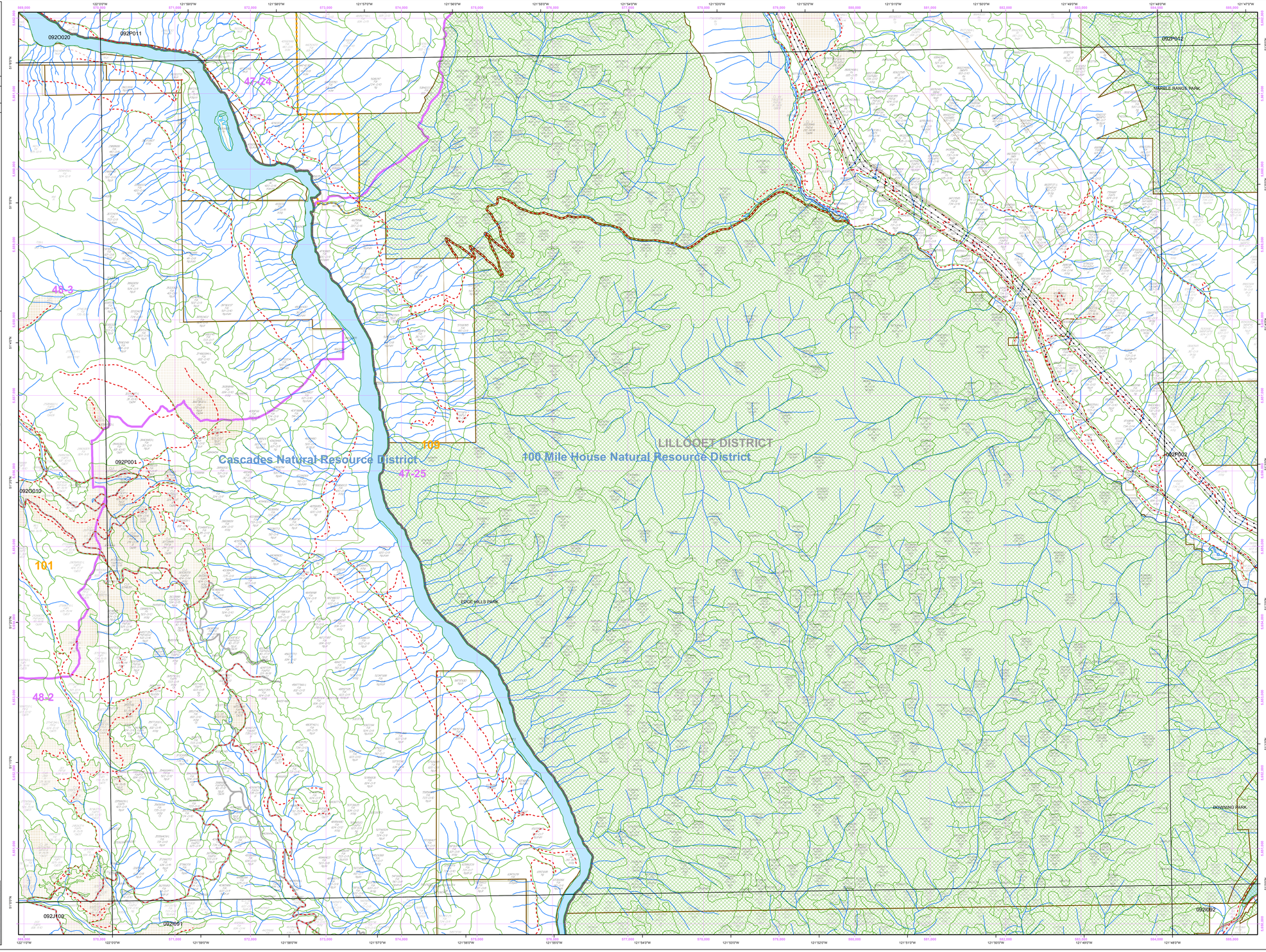
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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 Layers" to turn on display values for :

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







Overflow Labels

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