0921095

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 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
- Immature Opening or Vegetation
- Permanent Sample Plot (GYS)
- Research Installations

TRIM, Base Features:
- Au Built Roads
- Forest Service Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fairies
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Non-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 (≥ 1:500,000 ha) - no hatch)
- Municipal boundary (< 1:500,000 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
4	Age, Height, Crown Closure of dominant layer is described as Fd (Douglis Fir) and Hw (Western Hemlock). 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 Complex (also known as Non-Forest Descriptor)
6	For a multi-polygon opening, the direction between forbs and graminoids, shrubs less that 2m. Disturbance History (Polygon) - ex: Logged in 1970

Line 1 - History Record Opening Number

opening number valid for BCGS mapsheet — 0XXX - 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 labelled 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
Yc	Yellow-cedar Cedar
Y	CYPRESS
Yc	Yellow Cedar
Ft	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
Lt	Alpine Larch
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine
Pla	Lodgepole Pine (alpine)
Plc	Lodgepole Pine (coastal)
Pp	Ponderosa Pine (yellow)
Php	Shore Pine (coast)
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Se	Engelmann Spruce
Sx	Engelmann Spruce
Ss	Sitka Spruce
Sxs	Spruce Hybrid
Sx	Spruce Hybrid
Sxw	Engelmann x White
Sw	White Spruce
Sxs	Sitka x unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
A	APPLE
Ap	Pacific Crab Apple
Ac	COTTONWOOD or POPLAR
Act	Trees
Abb	Balsam Poplar
Abl	Black Cottonwood
At	Hybrid Poplars
At	Trembling Aspen
Ep	Poplar
Ew	Willows
E	BIRCH
Ep	Paper Birch
Epp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ek	Kenai Birch
K	CASCARA
Kc	Cascara
C	CHERRY
Cb	Bitter Cherry
Cv	Choke Cherry
Cd	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wb	Pacific Willow
Wa	Peachleaf Willow (Bonida's)
Wh	Hooker's Willow (Barclay Willow)
Ws	Scouler's Willow
Wr	Sitka Willow (tea-leaved)

UNKNOWN / OTHER

X	UNKNOWN
Xh	unknown hardwood
Xc	unknown hardwood
Xl	OTHER (tree not on list)
Z	Trees
Zh	other hardwood

EXOTICS

	APPLE
Ax	Apple
	ASPEN, COTTONWOOD or POPLAR
Act	*Southern Cottonwood
Ae	Aspen
Ay	European Birch
Ey	Silver Birch (swamp)
Ew	White Birch
	CHERRY
Cs	Sweet Cherry
Cx	Hybrid Cherry
	*Post Orford Cedar
Yo	PIN (Balsam)
Bp	Noble Fir
Bm	*Shasta Red Fir
Bn	Nordmann Fir
Bc	White Fir
	LARCH
Lk	European Larch
Lj	Tamarac Larch
	MAPLE
Mr	Red Maple
Mh	*Norway Maple
Mh	*Sycamore Maple
	OAK
Qw	English Oak
Qr	Red Oak
	OTHER EXOTICS
Ox	*Incense Cedar
Ob	*Giant Sequoia
Oq	*Coast Redwood
Ou	*Monterey Cypress
Oe	Siberia Elm (southern)
Of	Common Pear
Ow	Mountain Ash
Ow	White Ash
Oj	*Shagbrack Hickory
Ol	Black Locust
Oa	Japanese Walnut
	PINE
Pn	Austrian Pine
Pr	Red Pine
Ps	Sugar Pine
Pw	White Pine
Py	Monterey Spruce

Line 4

4a AGE CLASS

CODE	AGE (years)
1	1-20
2	21-40
3	41-60
4	61-80
5	81-120
6	121-160
7	161-200
8	201 +

4b HEIGHT CLASS

CODE	HEIGHT (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	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. Doesn't height age. SI is based on site age and height (m). Site index estimates are derived from a variety of sources (e.g. 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(t present, e.g. recently harvested stands. SI is based on the site series assigned to the polygon. Associated Soils in the data base as Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records 1

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

NON FREED SHRUB
- s - SHRUB - shrub with average shrub height > or = to two metres.
- sl - SHRUB LOW - shrub with average shrub height < two metres.

NON FREED HERB
- h - 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 garminoids > 50% of the herb cover.

NON-FREED BRYOID
- by - BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm - BRYOID - MOSSES - bryoid with mosses > 50% of the bryoid cover.
- bl - BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- r - Rock / Rubble
- rr - Rock / Rubble
- ss - Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ac	ACCESS	gp	GRAVEL PIT	mq	MUDFLAT SEDIMENT
al	ALPINE		GULLY	mr	RUBBLY MINE SPOILS
bl	BLOCKFIELD	la	LAVA BED	oc	OCEAN
bu	BUILDING	lk	LAKE	or	OTHER AREAS
bs	BURNED AREA	ls	POND or LAKE SEDIMENTS	pc	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
dl	DEBRIS SLIDES	rm	RUNOFF	rw	WATER STORAGE

Note: Water categories (lk, ls, re, rw) are classified over 50 per cent coverage.

rm	RESERVOIR MARGIN		
rs	RAILWAY SURFACE		
rs	RIVER SEDIMENTS		
rd	ROAD SURFACE		
ta	TALUS		
tl	TAILINGS		
ur	URBAN		

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
BY	BRYOIDS	NPBU	NON PRODUCTIVE BURNED
CL	CLAY BANK	NPF	NON-PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NOTYPING AVAILABLE
ICE	ICEFIELD	NV	NON VEGETATED
ICE	ICEFIELD		vvvvvNEW
M	MEADOW	R	ROCK
MUD	MUDFLAT	S	SNOW

SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NSR	NOT SUFFICIENTLY RESTOCKED		
NTA	NOTYPING 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.

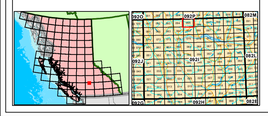
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects	S	Site Rehabilitation
T	Treatment Injuries		
U	Unknown/Other		
V	Problem Vegetation		

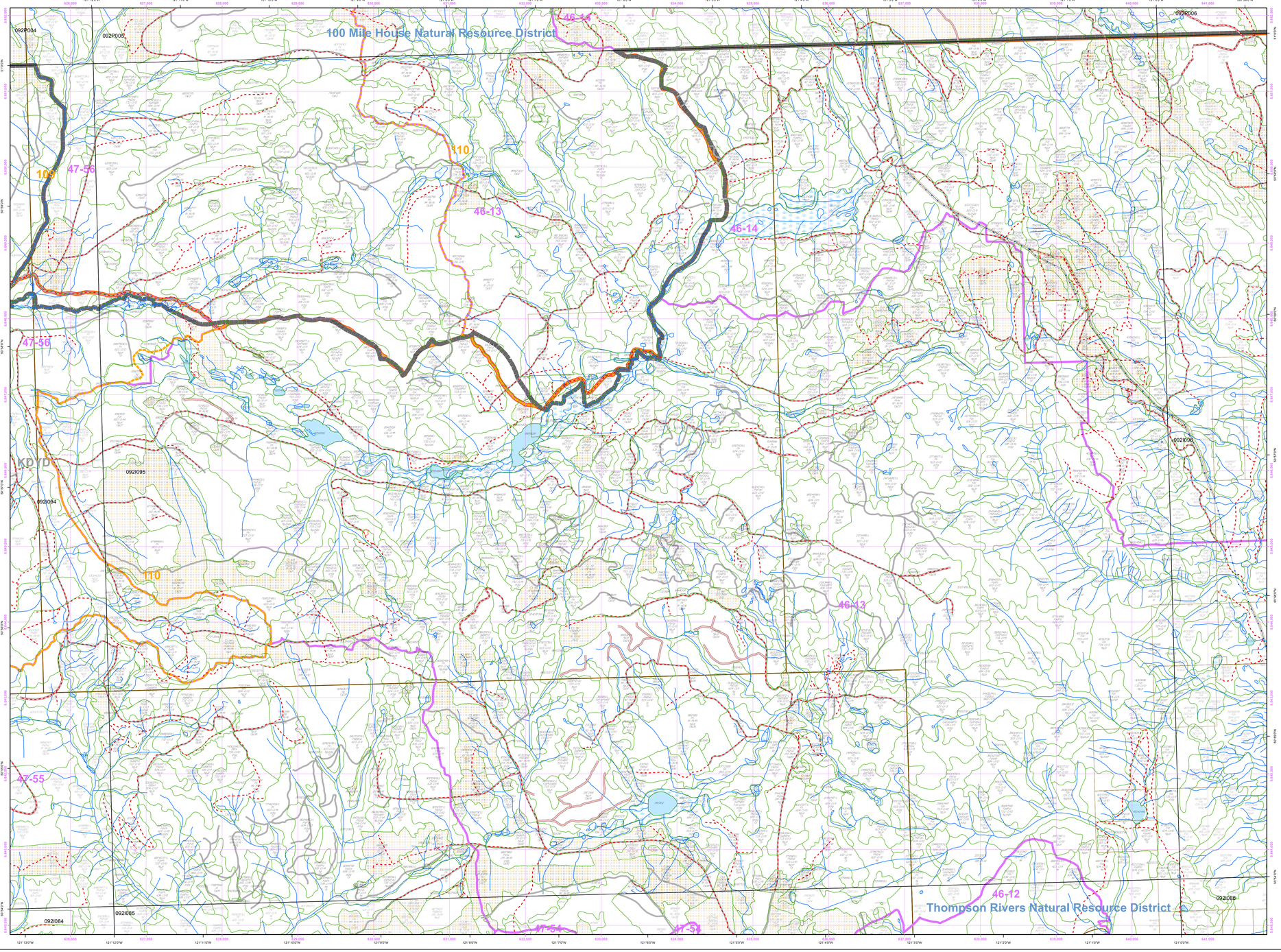
Example Opening History Details

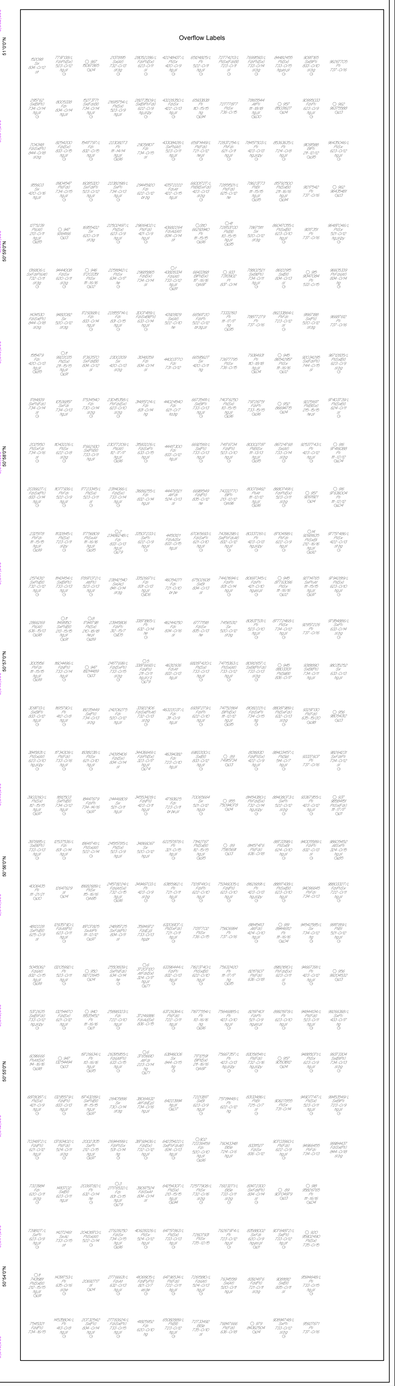
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is available through the

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







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