092P073

Vegetation Map
092P073

Ministry of Forests, Lands and Natural Resource Operations

Scale 1:20,000

0 0.25 0.5 0.75 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 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 (SY9)
- 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
- Hydr/Anth-Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RIV_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 SilvaSubZ symbol and Opening Number
2 Polygon No. and multi-layer stand indicator (L)
3 Species Composition
ex: the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separated by /. 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 Stocking Status - Vegetation Cover - Non-Vegetation Descriptors
ex: a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

XXX - opening number valid for BCGS mapsheet XXXY - 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
Ce	Alaska Cedar
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	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	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (interior)
Plx	Hybrid Lodgepole x Whitebark Hybrid
Pxj	Ponderosa Pine x Juniper
Pfc	Shore Pine (coast)
Pfi	Shore Pine (interior)
Pw	Western White Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Prince Rupert Spruce
Sw	White Spruce
Sx	Spruce Hybrid
Sxb	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Sxw	White x Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dl	Sitka Alder
Up	Paculic Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Ato	Balsam Poplar
Act	Black Cottonwood
Ae	Trembling Aspen
Ax	Hybrid Aspen
B	BIRCH
Ba	Alaska Paper Birch
Bxh	Alaska x Paper Birch hybrid
Bp	Paper Birch (white)
By	Yellow Birch
C	CASCARA
Cc	Cascara
E	ELM/OAK
Vb	Water Cherry
Vc	Choke Cherry
Vp	Pin Cherry
G	GOOSEBERRY
Gp	Pacific Dogwood (western flowering)
H	HAWTHORN
Hw	Wiggins' Maple (broadleaf)
M	Vine Maple
O	OAK
Og	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wr	Peach-leaved Willow (Bonsby's)
Wsf	Rusty Willow (gray-leaved)
Ws	Sitka Willow
Wy	Scouler's Willow (sage-leaved)

UNKNOWN - OTHER

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

EXOTICS

Ua	APPLE
	Apple
Ae	Siberian COTTONWOOD or POPLAR
Ad	Southern Cottonwood
	BIRCH
Ea	European Birch
Ep	Silver Birch (swamp)
Ey	Yellow Birch
Ek	CHERRY
Vs	Sweet Cherry
	CYPRESS
Yp	Japanese Cedar
	FIR (Balsam)
Bb	Balkam Fir
Bc	Noble Fir
Bm	Shasta Red Fir
Bn	Nikko Fir
	LARCH
Le	Siberian Larch
Lk	Japanese Larch
	MAPLE
Me	Box Elder
Mn	Norway Maple
Ms	Sycamore Maple
	OAK
Oc	English Oak
Or	Northern Oak
	OTHER EXOTICS
Ox	Horsenut Cedar
Ot	Giant Sequoia
Ou	Monterey Cypress
Oe	European Mountain Ash
Os	Siberian Elm (southern)
Ow	Caucasian
Oj	Oregon Ash
Ok	White Ash
Op	Shagbark Hickory
Ot	Tree-of-Heaven
Ow	Japanese Walnut
	PINE
Pn	Monterey Pine
Pr	Red Pine
Ps	Scots Pine
	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. Site curves are listed in the Table of Yield working section. 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 is estimated when suitable SI trees aremt present, e.g. Immature stands, Type Group SI Estimated source code. Always precedes if. 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 r records)

NON-TREED SHRUB
- sb - SHRUB
- w - SHRUB LOW - shrub with average shrub height = or > to two metres.
- 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.
- hgm - HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- by - 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
- n - NON VEG
- rs - Rock / Rubble
- w - Snow / Ice

NON VEGETATED CATEGORIES (for V and r records)

ap	AIRPORT	gp	GRAVEL PIT
bl	BOULDER	lk	LAKE
bf	BOOGFIELD	lb	LAVA BED
br	BEDROCK	lt	LANDING
cb	CONGLOMERATE	ms	MUD FLAT, LAKE SEDIMENTS
cu	CUTBANK	mi	OPEN PIT MINE
es	EXPOSED SOILS	mr	MORAINE
gl	GLACIER		

Note: Water categories lk, ss, rv, rc not shaded over 99 percent coverage.

mu	MUD FLAT SEDIMENT	rm	RESERVOIR MARGIN
ra	RUBBLY/ROCK SPOILS	rw	RAILWAY SURFACE
oc	OCEAN	rs	RIVER SEDIMENTS
ot	OTHER	ro	ROAD SURFACE
rc	RIVER CHANNEL	sl	SLIDE
re	RESERVOIR	tz	TAILINGS
	RIVER / STREAM	ur	URBAN

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

AF	AGRICULTURE FIELD	SAND	SAND
AF	ALPINE FOREST (Species	TIDE	TIDAL FLAT
C	CULTIVATED	U	URBAN
GP	GRAVEL PIT		
GL	GRASS LAND	NC	NON COMMERCIAL
GR	GRAVEL PIT	NCBR	NON COMMERCIAL BRUSH
IM	IMPROVED	NCR	NON COMMERCIAL
M	MEADOW	NSR	NOT SATISFACTORILY RESTOCKED
MUD	MUD FLAT	NTA	NO TYPING AVAILABLE
NFOR	NON FOREST		
NPBN	NON PRODUCTIVE BRUSH		
NPBU	NON PRODUCTIVE BURN		
NPF	NON PRODUCTIVE FOREST (Species		
NTA	NO TYPING AVAILABLE		
OB	OPEN RANGE		
R	ROCK OUTCROP		
S	SCRUB		
S	SWAMP		

Line 6 - Disturbance History

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

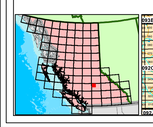
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
D	Insects and Seed Insects	N	Non-Biological Injuries
S	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

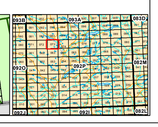
Example Opening History Details

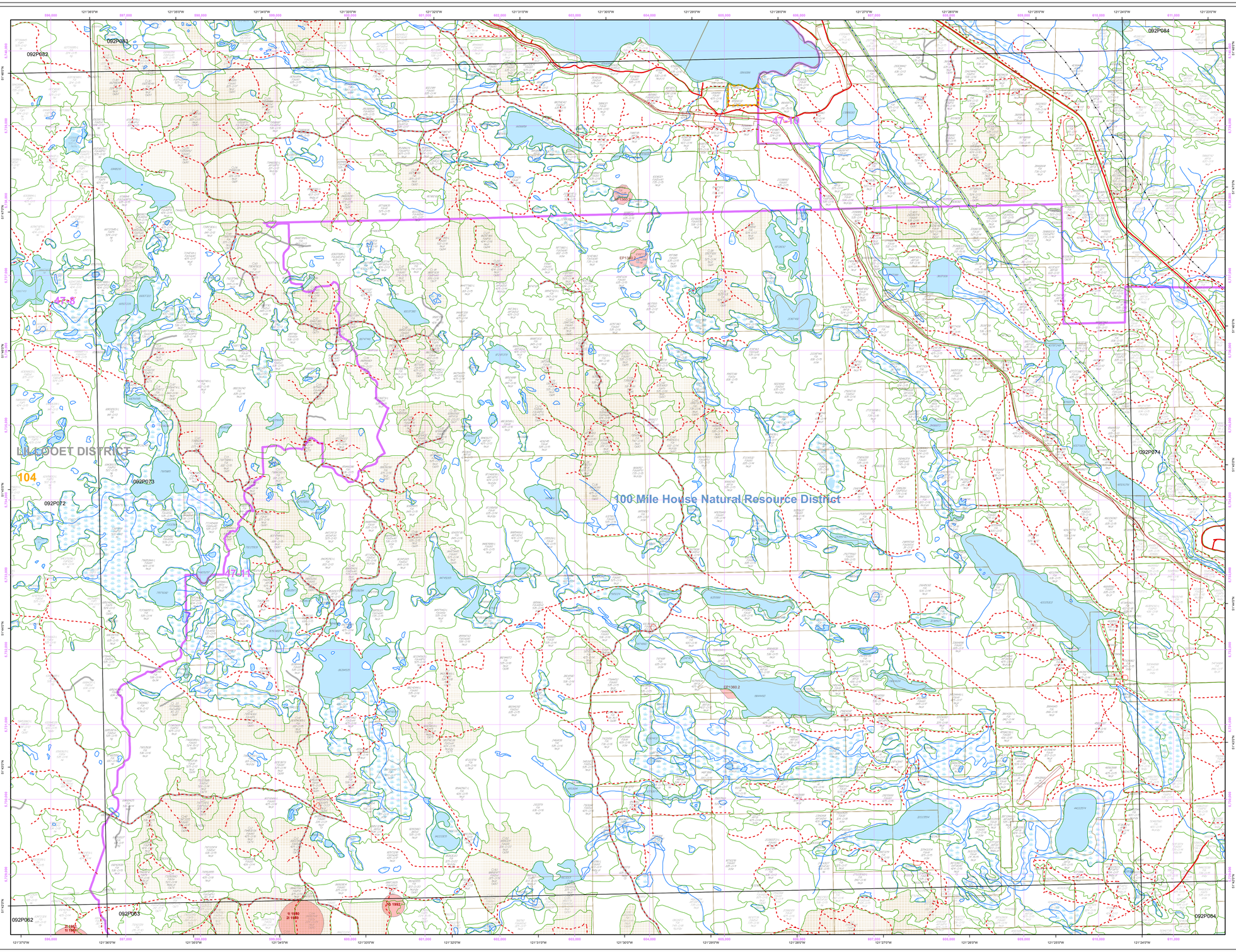
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICUTURE tab then click on "Display Silviculture Map" 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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