093O015

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
- Silviculture Opening in Vegetation
- Permanent Sample Plot (2010)
- Research Installations

TRIM_Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airfield/Helis
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroline-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 (< 1,000,000 ha - 15 % 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 (5-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex. Sparsely stocked with trees, crown closure less than 5% and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex. Logged in 1978

Line 1 - History Record Opening Number

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

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
A 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 labeted 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 4.6 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Y	YEW
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	BALSAM
Bg	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Hybrid Western Hemlock Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lw	Western Larch
Lyl	Pin Cherry
P	PINE
Pa	Alpine Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pw	Whitebark Pine
Px	PINE hybrid
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxl	Sitka x White
Sxs	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Ue	PACIFIC CRAB Apple
At	ASPEN, COTTONWOOD or POPLAR
Act	Poplar
Ae	Trembling Poplar
Ac	Black Cottonwood
Ax	hybrid Poplars
Ep	Paper Birch
E	ARBUTUS
Pa	Arbutus
Ea	ASH
Eat	Alaska Paper Birch hybrid
Ea	Oregon Ash (white)
Ew	Water Birch
K	CASCARA
G	CHERRY
Y	CHERRY
Ys	Bitter Cherry
Yt	Choke Cherry
Yp	Pin Cherry
D	DOGWOOD
Dw	DOGWOOD (Flowered western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wp	Bebb's Willow
Wp	Pacific Willow
Wpg	Pacific Willow (Barclay's)
Wr	Pussy Willow (gray-leaved)
Ws	Sitcoa's Willow
Wy	Yellow Willow (Lasiandr)

UNKNOWN - OTHER

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

EXOTICS

U	APPLE
Ue	ASPEN, COTTONWOOD or POPLAR
Aw	Southern Cottonwood
Ay	BIRCH
Ea	European Birch
Ekl	Silver Birch (swamp)
Ep	Paper Birch
G	CHERRY
Yv	Sweet Cherry
Y	CYPRESS
Yp	Pond Dolbert Cedar
Yn	Nootka Cypress
Bp	Noble Fir
Bpl	Noble x Fir
Bl	Yellow Fir
L	LARCH
Lyl	Siberian Larch
Lsi	Siberian Larch
M	MAPLE
Mk	Norway Maple
Ms	Sycamore Maple
O	OAK
Qe	English Oak
Qw	White Oak
P	PINE EXOTICS
Pn	Austrian Conifer
Pc	Corsi Sequoia
Pm	Monterey Pine
Pyl	European Mountain Ash
Ps	Siberian Elm (aschorn)
Pyc	Common Pear
Py	Oregon Ash
Pw	White Ash
Pyn	Northern Hickory
Pj	Tree-of-Heaven
Pc	Japanese Walnut
W	WILLOW
Pn	Monterey Pine
Pr	Red Pine
Ps	Scots 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	5 - 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. SI is estimated from site history, age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees cannot present, e.g. young stands (<30yrs). SI is denoted by a slash which always precedes the estimated SI (e.g. /20). SI may also be inventory Type Group and SI Estimated source code.

Line 5 Vegetation records

VEGETATED NON-TREE CATEGORIES (5v' V and I records):

NON-TREED SHRUB
- sl SHRUB TALL — shrub with average shrub height > or = to two metres.
- ss SHRUB LOW — shrub with average shrub height < two metres.

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

NON-TREED BRYOID
- by BRYOIDS — 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 (5v' V and I records):

ro	ROCK	ms	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
sd	BEACH	w	LAKE	rw	RAILWAY SURFACE
bl	BLOCKFIELD	b	LAVA BED	rs	RIVER SEDIMENTS
sc	SCREE	r	RIVER	sn	SNOW PACK
bu	BURNED AREA	p	POND or LAKE SEDIMENTS	t	TALUS
cb	CUTBANK	es	OPEN PIT MINE	tl	TALUSNOS
rs	ROCK SLIDES	mi	MORAINE	ta	TAILINGS
gl	GLACIER				

Note: Water categories (ie. w, b, r) not identified over 50 percent coverage.

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

A	ALPINE		NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
BR	BRUSH	NPF	NON PRODUCTIVE FOREST	U	URBAN
CL	CLAY BANK	NPFT	NON PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
H	HERBFIELD	P	PRODUCTIVE	NPBR	NON PRODUCTIVE BRUSH
KF	KOPJE'D	PF	PRODUCTIVE FOREST	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MF	MUDFLAT	S	SWAMP	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.

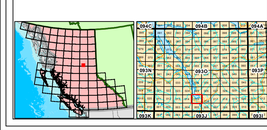
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

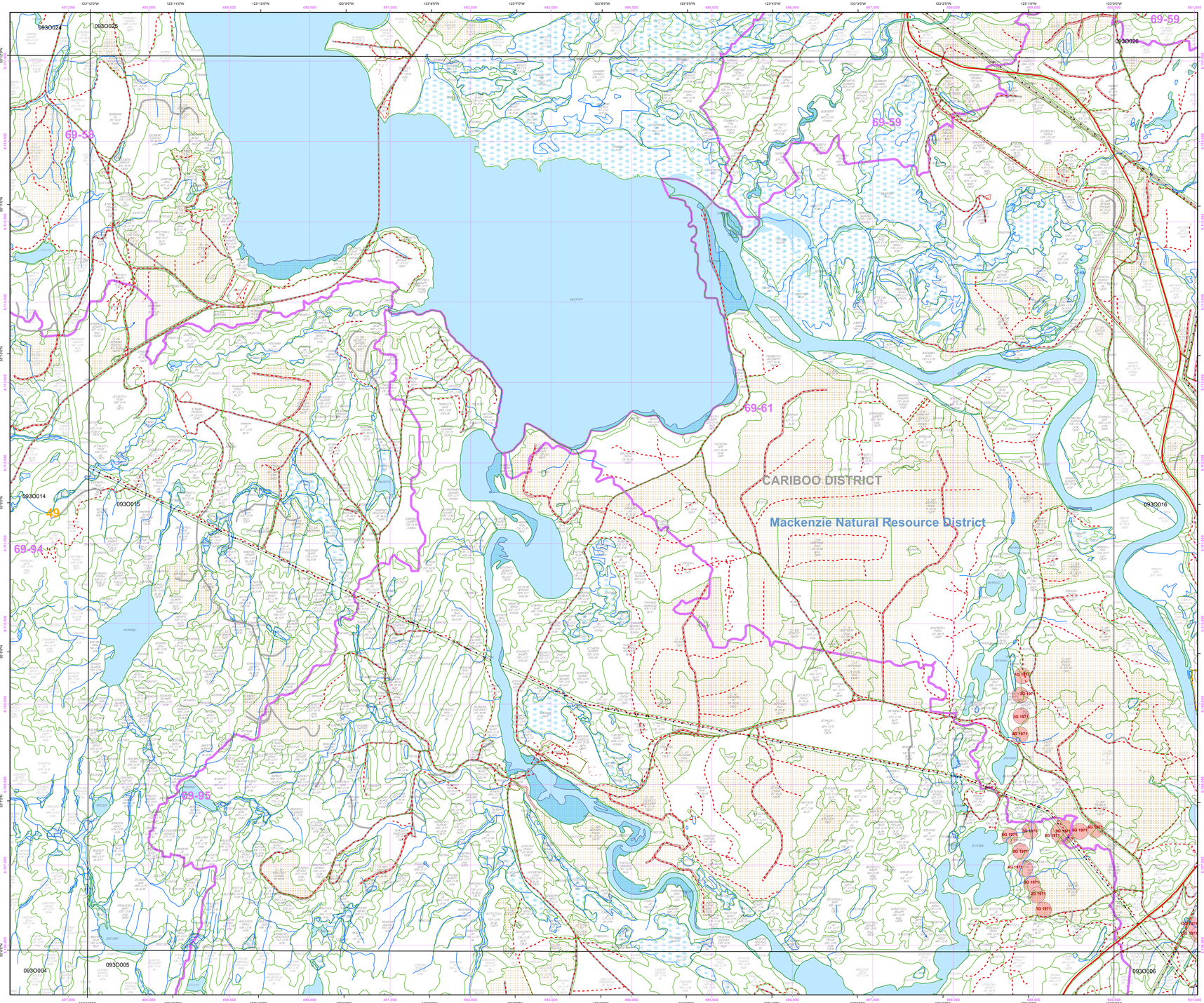
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either 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' 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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