093C010

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, 2018

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture 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
- Air/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Aw/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

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 - no 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 Species Composition (up to two 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 than 2m.
6 Disturbance History & year - ex: Logged in 1979

Line 1 - History Record Opening Number

- opening number used for BCGS mapsheet
2029 - 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
Cy	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	BALSAM
Ba	Amabalis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (contorta)
Plx	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pwa	Western White Pine
Px	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sxe	Engelmann x White
Sxl	Sitka x White
Sxw	White x Unknown hybrid
YEW	
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dl	Sitka Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Act	Black Cottonwood
Ac	Trembling Aspen
Ax	Hybrid Poplar
B	BIRB/TUS
Bp	Alnutus
Bpp	Papyrifera
Be	Alaska Paper Birch
Bxe	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Bxp	Hybrid Birch
E	CASCARA
Ec	Cascara
Ep	Prairie Cherry
Up	Miller Cherry
Vb	Choke Cherry
Vp	Pin Cherry
Vs	Pin Cherry
D	DOGWOOD
Dw	Pacific (Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gg	Garry Oak
W	WILLOW
Wa	Hooker Willow
Wp	Pacific Willow
Wx	Peachleaf Willow (Bankby's)
Wd	Pussy Willow (grey-leaved)
Wr	Scouler Willow
Ws	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

AP/LE	Apple
Ax	Hybrid COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
	BIRCH
Ey	*European Birch
Ery	Silver Birch (exempt)
Ey	*Yellow Birch
Y	YEW
Yc	*Japan Cherry
	CYPRESS
Yo	*Port Orford Cedar
	FIR (Balsam)
Bb	*Silver Fir
Bn	Nobis Fir
Bm	*Shasta Red Fir
Bs	*White Fir
	LARCH
Lj	*Siberian Larch
Lk	*Dahurian Larch
	MAPLE
Mb	Box Elder
Mn	*Norway Maple
Mr	*Sycamore Maple
Oe	*English Oak
Oq	*White Oak
Oh	*Japanese CHERRIES
Ob	*Holland Cherry
Ob	*Giant Sequoia
Ob	*Coast Redwood
Ob	European Mountain Ash
Ob	Scarlet Oak (Northern)
Of	Common Pear
Og	Oregon Ash
Oh	*Horsechestnut
O	*Shagbarck Hickory
Oj	Tree-of-heaven
Ow	*Japanese Walnut
PIN	
Pm	*Monterey Pine
Pn	*Austrian Pine
Ps	*Scots Pine
	SPRUCE
Se	*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 - 1.4
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

Site Index is estimated to the nearest metre referenced at 50 years breast height Age. It is based on the age and height of the leading species. When an accurate SI cannot be obtained from age and height, estimated SI is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX

If a site index is estimated, a site index permit present, e.g. young stands (<50yrs), it is denoted by a slash which always precedes it. Associated fields in the data base are Inventory Type Group and SI Estimated source code.

Line 5 Vegetation records

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

NON-TREED SHRUB
- hm HEATH MOSS
- s SHRUB LOW
- shrub with average shrub height > or = to two metres.
- shrub with average shrub height < two metres.

NON-TREED HERB
- hw 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
- by BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverworts, and hornwarts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- el Exposed Land
- ro Rock / Rubble
- si Snow / Ice

NON-VEGETATED CATEGORIES (for N and I records)

be	BEACH	mu	MUDFLAT SEDIMENT
bl	BLOCKFIELD	ru	RUBBLY MINE SPOILS
bs	BOULDERS	oc	OCEAN
bu	BURNED AREA	ow	OPEN WATER
cb	CUTBANK	pi	SNOW COVER
ds	DUNES/SOILS	re	RESERVOIR
gl	GLACIER	st	STREAM/CHANNEL

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

Mix - Water categories (ie. ow, re, st) if not labelled over 50 % percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
C	CROPLAND	NPF	NON PRODUCTIVE FOREST
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
GC	GRAVEL PIT	OT	OTHER (specify)
ICE	ICEFIELD	R	ROCK
M	MEADOW	S	SWAMP
MUD	MUD FLAT		

SAND SAND
TIDE TIDAL FLAT

NC NON COMMERCIAL
NPBR NON PRODUCTIVE BRUSH
NP NON PRODUCTIVE
NSR NOT SUFFICIENTLY RESTOCKED
NTA NO TYPING AVAILABLE

Line 6 - Disturbance History

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

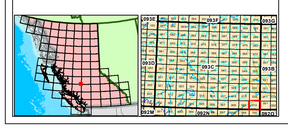
A	Animal Damage	L	Logging
C	Cultural	N	Natural Damage
E	Cone and Seed Insects	N	Non Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
S	Silvicultural		
U	Damage Unknown		
V	Problem Vegetation		

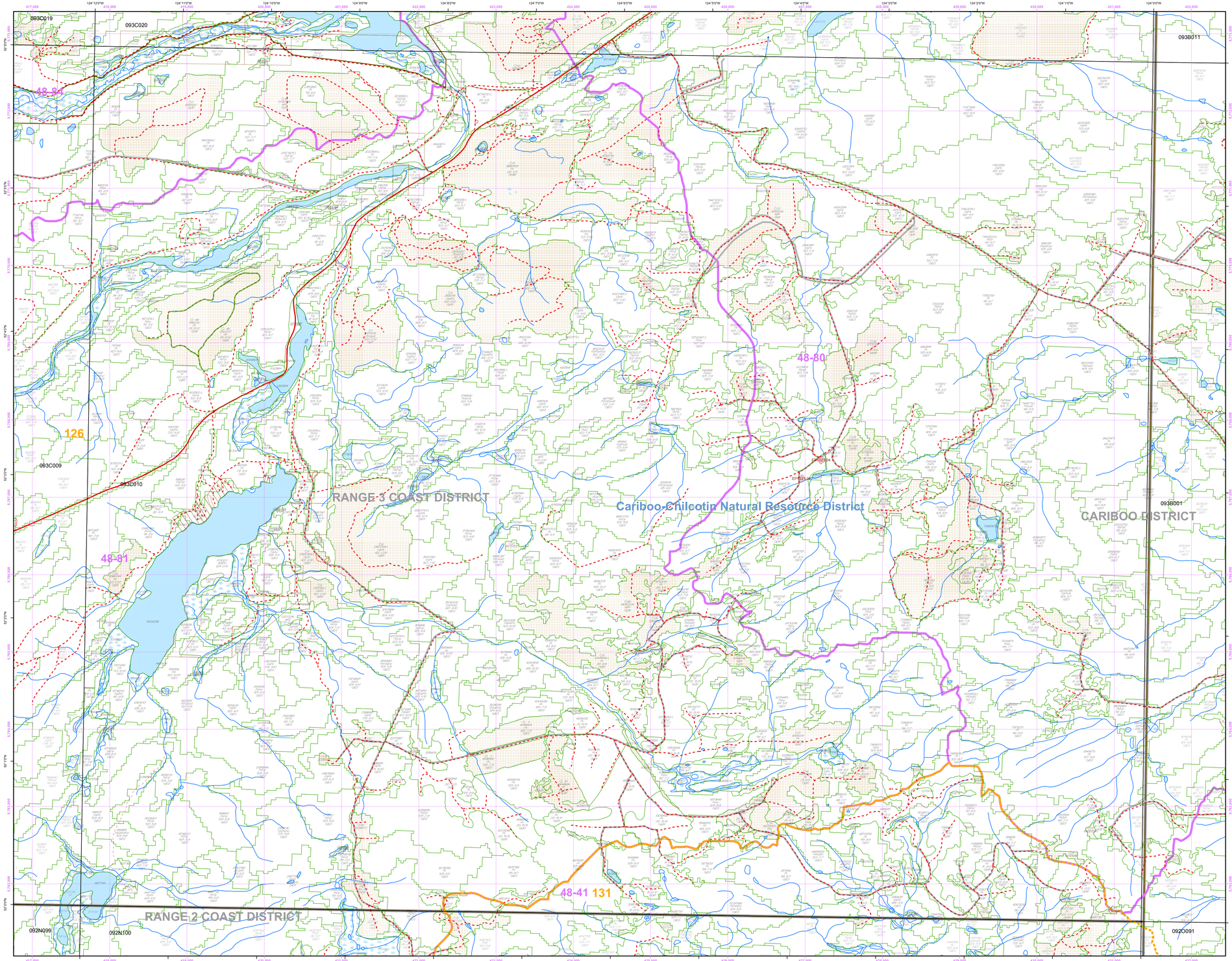
Example Opening History Details

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 Maps" 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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