Vegetation Map
093A023

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 a substitute for the official 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 (2015)
- Research Installations

TRIM, Base Features:
- Ice Bulk Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf ields
- Other lines
- Powerlines
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Rivers/Aberflowers - ESRI
- Watercourses - ESRI
- Waterbodies - ESRI
- Wetlands - ESRI
- Ocean - ESRI

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 (1:1,000,000 ha - 1% % hatch)
- Municipal boundary (1:1,000,000 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 Polygon Number and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
4 Age, Height, Crown Closure Class Code - separator - Site Index / estimated SI
5 Vegetated Density Class (or Non-Forest/Productive Description)
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number
- opening number valid for BCGS mapsheet
ZZZZ - 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 will be 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
F	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
Hwk	Western Hemlock-Vancouver Island hybrid
J	JUNIPER
Jr	Rocky Mt. Juniper
Js	Savena Juniper
L	LARCH
Lt	Tamarack Larch
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine Hybrid
Pm	Mountain Pine (Alpine)
Ps	Shore Pine (coastal)
Pw	Western White Pine
Px	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Prince Rupert Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxb	Spruce hybrid White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Sxw	White x
Ye	Western Yew

NATIVE HARDWOODS

D	ALDER
A	Alder sp.
Ad	Red Alder
Ue	Pacific Crab Apple
At	BLACK COTTONWOOD or POPLAR
Ac	Poplar
Ab	Balsam Poplar
Act	Black Cottonwood
Ae	Aspen Poplars
At	Trembling Aspen
E	BROADLEAF
Ep	Arbutus
B	BIRCH
Ba	Alaska Paper Birch
Bap	Alaska x Paper Birch hybrid
Bp	Paper Birch (white)
Bpj	Paper Birch (Jersey)
C	CEDAR
Cc	CASCARA
H	DOGWOOD
V	CHERRY
Vm	Bitter Cherry
Vv	Choke Cherry
Vp	Pin Cherry
Vu	Sweet Cherry
Vpm	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broadleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
R	GARRY OAK
W	WILLOW
Wb	Bebb's Willow
Wh	Hooker Willow
Wp	Peachleaf Willow (Bambo's)
Ww	Pussy Willow (gray-leaved)
Wr	Red Willow
Wy	Sitka Willow (tea leaved)

UNKNOWN - OTHER

X	unknown conifer
Xc	unknown coniferous
Xh	unknown hardwood
Xm	unknown Arbutus or MG
Xx	other conifer
Zh	Other hardwood

EXOTICS

AP	APPLE
Ax	Apple sp.
AB	ASIAN, COTTONWOOD or POPLAR
Act	*Southern Cottonwood
Ae	*Aspen
Ea	European Birch
Ep	Silver Birch (WARNI)
Ew	*White Birch
CH	CHERRY
Ys	Sweet Cherry
Yu	*Bird Cherry
Y	*Hut Others Cedar
FR	FIR (Balsam)
Bc	*Noble Fir
Bg	Noble Fir
Bm	*Shasta Red Fir
Bn	*White Fir
LW	LARCH
Lk	*Japanese Larch
Le	*Siberian Larch
MA	MAPLE
Mm	Box Elder
Mr	*Norway Maple
Mp	*Sycamore Maple
OAK	OAK
Qe	*English Oak
Qg	*Garry Oak
OTHER EXOTICS	
Ow	*Incense Cedar
Oc	*Coast Redwood
Or	*Coast Redwood
Op	European Mountain Ash
Oa	*European Mountain Ash
Ol	Common Pear
Oh	Oregon Ash
Ot	*Tree of Heaven
Oy	*Empress Tree
Ob	*Black Walnut
Oj	Japanese Walnut
PINE	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Pp	*Ponderosa Pine
SPRUCE	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 - 10
2	11 - 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 based on 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 measurements either an estimated site index (E) or Site Class (A, B, C, D, E) is assigned.

4e ESTIMATED SITE INDEX
Estimated site index is based on the dominant species present, e.g. use Fdc Site Index if Douglas fir is dominant. 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-TREE CATEGORIES: (for V and r records)

NON-TREED SHRUB
- SL - SHRUB - shrub with average shrub height > or = to two metres.
- SH/SW LOW - 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.
- hg - 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 > 50% of the bryoid cover.
- bl - BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED

Ro	Rock - Outcrop
Rr	Rock - Rubble
Is	Snow / Ice

NON-VEGETATED CATEGORIES: (for V and r records)

ap	AIRPORT	gl	GRAVEL PIT
bl	BOULDERFIELD	lk	LAKE
bf	BUCKFIELD	lk	LAKE/MED
cb	CLIFF/BANK	ls	LANDSLIDE
cl	CUTBANK/CLIFF	ls	LANDSLIDE/SEDIMENTS
cb	CUTBANK/SOILS	mi	OPEN PIT MINE
gl	GLACIER	mi	MINE/MINE

mf	MUDFLAT SEDIMENT
ra	RAILWAY SURFACES
rs	RIVER SEDIMENTS
rd	ROAD SURFACE
ta	TALUS
ta	TAILINGS
ur	URBAN

re	RESERVOIR MARGIN
re	RESERVOIR/SEDIMENTS
st	STREAM

Note: Water categories are to be labelled over 50 percent coverage.

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

AF	ALPINE	SAND	SAND
AF	ALPINE FOREST (Species	TIDA	TIDAL FLAT
CL	CLAY BANK	URBAN	URBAN
CL	CLAY BANK		
G	GRAVEL BAR		
ICE	ICEFIELD		
ICE	ICEFIELD		
M	MEADOW		
MEA	MEADOW		

NPBR	NON PRODUCTIVE BRUSH
NPBR	NON PRODUCTIVE BRUSH
NPF	NON PRODUCTIVE FOREST (Species
NTA	NOT TYPING AVAILABLE
ROCK	ROCKBLUFF
ROCK	ROCKFIELD
S	SOCK
S	SOCK

NC	NON COMMERCIAL
NPBR	NON PRODUCTIVE BRUSH
NP	NON PRODUCTIVE
NSR	NOT SUFFICIENTLY RESTOCKED
NTA	NOT TYPED AVAILABLE

Line 6 - Disturbance History

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

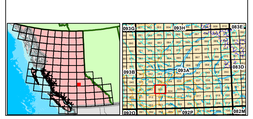
A	Animal Damage	R	Site Rehabilitated
B	Wildfire	S	Treatment Injuries
C	Cone and Seed Insects	U	Damage Unknown
D	Diseases	V	Problem Vegetation
I	Insects		
L	Logging		
M	Mechanical Injuries		
N	Non-Biological Injuries		
P	Cone and Seeding Fungal Pathogens		

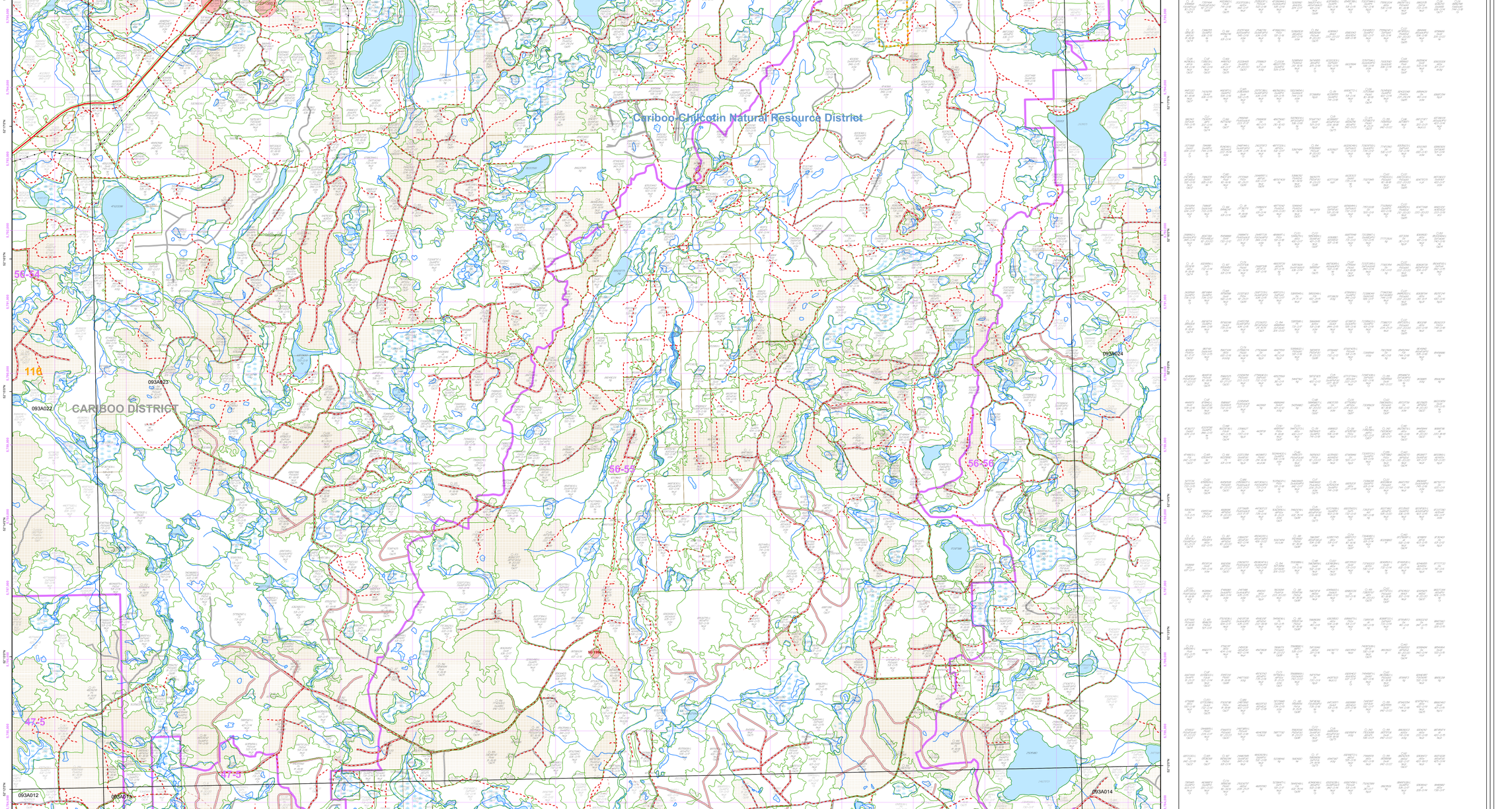
Example Opening History Details

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 "Results" search tab then click on "Display Silviculture Map" to turn on display values for -

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





Overflow Labels