093C056

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093C056

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
- Structure Opening or Vegetation
- Permanent Sample Plot (VS10)
- Research Installations

TRIM_Base Features:
- 4x Multi 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
- Hydro/Ice/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 (< 1,000,000 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 (Douglas Fir) and Hw (Western Hemlock)
4 AGE CLASS, HEIGHT CLASS, CROWN CLOSURE CLASS, SITE INDEX
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 Description)
ex. a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

nnnn - opening number valid for BCGS mapsheet zzzn - 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 4.6 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
P	FIR (Balsam/Alpine)
Pa	Amabilis Fir
Pl	Subalpine Fir
Pli	Subalpine Fir (Alpine)
H	HEMLOCK
Hw	Western Hemlock
Hm	Mountain Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Savanah Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pf	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole (Contorta)
Pli	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pw	Western White Pine
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Prince Rupert
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Interior White
Sxs	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	ARBUTUS
Ep	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
E	ARBUTUS
Ea	Arbutus
Ep	Paper Birch
Epp	Alaska x Paper Birch hybrid
Ew	Water Birch (white)
Ewr	Water Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vm	Black Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
R	WILLOW
Rb	Bebb's Willow
Rp	Pacific Willow
Rsc	Scouler's Willow (Barclay's)
Rsl	Peasy Willow (sp.nov.)
Rs	Scouler's Willow
Rw	Hooker Willow (low-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xl	unknown (will not list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ap	APPLE
Ax	Apple
At	ASPEN, COTTONWOOD or POPLAR
Atb	Balsam Gotteswald
B	BIRCH
Be	European Birch
Bp	Paper Birch (Exotic)
Ey	Yellow Birch
Y	CHERRY
Ys	Sargent's Cherry
Y	CYPRESS
Yo	*Port Orford Cedar
L	LARCH
Lk	*Siberian Larch
Ls	*Siberian Larch
M	MAPLE
Mn	Norway
Mr	*Norway Maple
Ms	*Sycamore Maple
O	OAK
Oc	*English Oak
Ow	*White Oak
P	POPLAR / EXOTICS
Pc	*Columbia Cedar
Pc	*Giant Sequoia
Pe	*Common Aspen
Pm	European Mountain Ash
Ps	Siberian Elm (southern)
Pu	*Common Elm
Pw	Crimean Ash
Pw	*White Ash
Px	*Manchurian Hickory
Py	*Tree-of-Heaven
Pz	Japanese Walnut
W	WILLOW
Pm	*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	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. SI is shown as a single value or a range of 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

SI is estimated when available SI trees are not present, e.g. young stands. Estimated SI is shown in ( ) and will 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 I records)

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

NON-TREED 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 graminoids > 50% of the herb cover.

NON-TREED BRYOID
- by BRYOIDS - 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 CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT
be	BEACH/DUNE	lk	LAKE
bi	BEDROCK/FELD	lg	LANDING
br	BURNED AREA	lk	POND or LAKE SEDIMENTS
cb	CUT BANK	mi	MINE - OTHER
ek	EXPOSED SOILS	mz	MORAINE
cl	CLASSIFIED		

mu	MUD/FLAT SEDIMENT	rm	RESERVOIR MARGIN
ow	RUBBLE/ WINE SPOILS	rs	RAILWAY SURFACE
oc	OCEAN	rv	RIVER SEDIMENTS
oi	OTHER	rd	ROAD SURFACE
pd	PEAT DEPOSIT	sa	SAND
pf	PEAT/FEN	ta	TAILINGS
rk	ROCK/CLIFF	ur	URBAN
rl	RIVER / STREAM		

Note: Water categories (lk, oc, rv, rl) not labelled over 90 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPFL	NON PRODUCTIVE FOREST (Species
DU	DUNE/ SAND BAR	OC	OPEN CANOPY
GR	GRAVEL PIT	OPEN	OPEN RANGE
ICE	ICEFIELD	P	HAYFIELD
L	LOW BRUSH	R	ROCK
MUD	MUD FLAT	S	SWAMP

SAND	SAND		
SF	SEMI-ALP		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NPRS	NON PRODUCTIVE RESTOCKED		
NTA	NOT 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	Cutting	N	Natural Damage
D	Coine and Seed Insects	P	Cone and Seedling Fungal Pathogens
D	Diseases		
I	Insects		

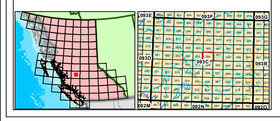
R	Site Rehabilitation		
S	Silviculture Treatment		
U	Damage Unknown		
V	Problem Vegetation		

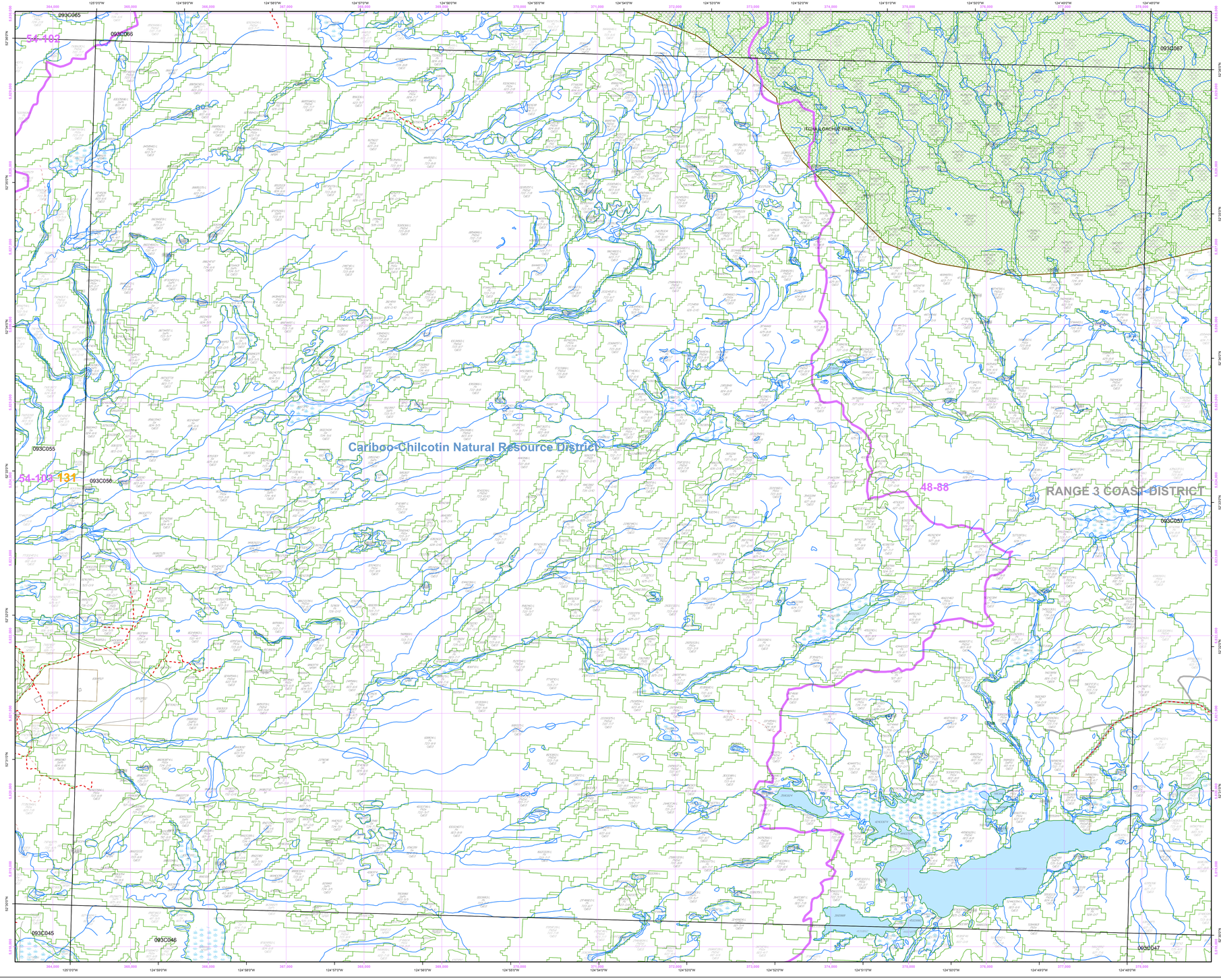
Example Opening History Details

Detailed Silviculture information is available on the BCGW (Warehouse) and MAPVIEW. The MapView example is of thinned RESULT 5 stand.

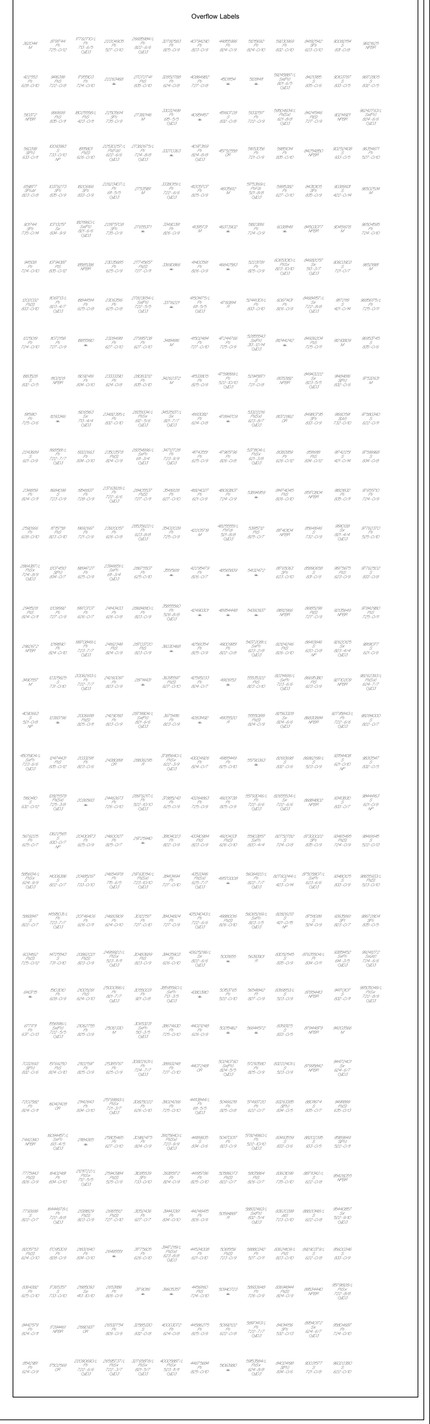
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

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





Overflow Labels



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