093H055

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093H055

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 (CFS)
- Research Installations

TRIM. Base Features:
- 4x Build Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- AirFarries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolkes/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. Fd dominant, Hw codominant layer is described as Fd (Douglas 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 Description)
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

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
/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

Ce	CEDAR
C	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
Hmh	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sweetsie Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (interior)
Pw	Ponderosa Pine (yellow)
Pxj	Ponderosa Pine (yellow)
Pxc	Shore Pine (coast)
Pxi	Ponderosa Pine (interior)
Pw	Whitebark Pine
S	SPRUCE
Se	Englemann Spruce
Sw	Englemann Spruce
Sx	Sitka Spruce
Sxs	Sitka Spruce
Sxw	Spruce Hybrid
Sxw	Englemann x White
Sxs	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dm	Mountain
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Abb	Balsam Poplar
Act	Black Cottonwood
Ae	Trembling Aspen
At	Trembling Aspen
R	ARBUTUS
Rm	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Ep	Paper Birch (alaska) hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
C	CHERRY
V	Choke Cherry
Vc	Choke Cherry
Vi	(Pin Cherry)
Vu	Bitter Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
H	HARDHACK
Hf	HAWTHORN
K	ROCK
S	SYMPHORICARPOS
W	WILLOW
Wp	Pacific Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bandaly's)
Wr	Red Willow (Drummond's Willow)
Wb	Scouler's Willow
Wt	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (free but on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ux	APPLE
Ux	ASPEN, COTTONWOOD or POPLAR
Ae	*Southern Cottonwood
	BIRCH
Ej	*European Birch
Ep	Silver Birch (swamp)
Ey	*Yellow Birch
	CHERRY
Cs	*Sweet Cherry
	CYPRESS
Yn	*Nootka Cypress/ Cedar
	FIR (Balsam)
Bb	*Balsam Fir
Bn	*Noble Fir
Bnn	*Shasta Red Fir
Bs	*White Fir
	LARCH
Lk	*Dahurian Larch
Ll	*European Larch
	MAPLE
Mb	Box Elder
Mr	Norway Maple
Mp	*Sycamore Maple
	OAK
Qg	*English Oak
Qr	*White Oak
	OTHER EXOTICS
Ch	Horse Chestnut
Qk	*Giant Sequoia
Qv	*Coast Redwood
Ot	*Mountain Ash
Ot	Siberian Elm (laurifern)
Ot	Common Pear
Ot	*Black Locust
Ot	*White Ash
Q	*Shagbark Hickory
Ot	*Black Walnut
Q	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Py	*Sugar Pine
Ps	*Scots Pine
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 - 16.4
3	16.5 - 22.4
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 based on the age and height of the dominant layer. Site index is estimated by the combination of inventory 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). It is denoted by a slash which always precedes the estimated value. Site Index Source in the inventory Type Group and SI Estimated source code.

Line 5 Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I records):

NON-TREED SHRUB
- s SHRUB TALL - shrub with average shrub height > or = to two metres.
- sl SHRUB 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 gaminoids > 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
- rl Exposed Land
- rr Rock / Rubble
- si Snow / Ice

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

wa	WATER	mp	MUDFLAT SEDIMENT
wi	GLACIER	mr	RUBBLY MINE SPOILS
w	BLOCKFIELD	m	OCEAN
b	BARREN	mi	ICEFIELD
u	SURFACE/AREA	ss	SNOW COVER
cb	CUTBANK	w	RESERVOIR
rs	EXPOSED SOILS	wm	MOAT / STREAM
gl	GLACIER		

mm	RESERVOIR MARGIN
mr	RAILWAY SURFACE
is	RIVER SEDIMENTS
ro	ROAD SURFACE
t	TALUS
g	TALUS
l	LAVA FLOW

Note: Water categories (lk, rs, is, r) not labeled over 50 percent coverage.

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

AL	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
BY	BRYOID	NPBS	NON PRODUCTIVE SHRUB
CL	CLAY BANK	NPT	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
H	HERBACEOUS	P	PROTECTED
ICE	ICEFIELD	PT	MARSH
M	MEADOW	R	ROCK
MUD	MUDFLAT	S	SWAMP

SAND	SAND
TIDE	TIDAL FLAT
U	URBAN
NC	NON COMMERCIAL
NF	NON FOREST (Specify)
NP	NON PRODUCTIVE
NSR	NOT SUFFICIENTLY RESTOCKED
NTA	NO TYPING AVAILABLE

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.

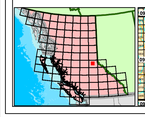
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

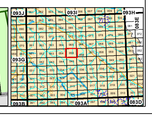
Example Opening History Details

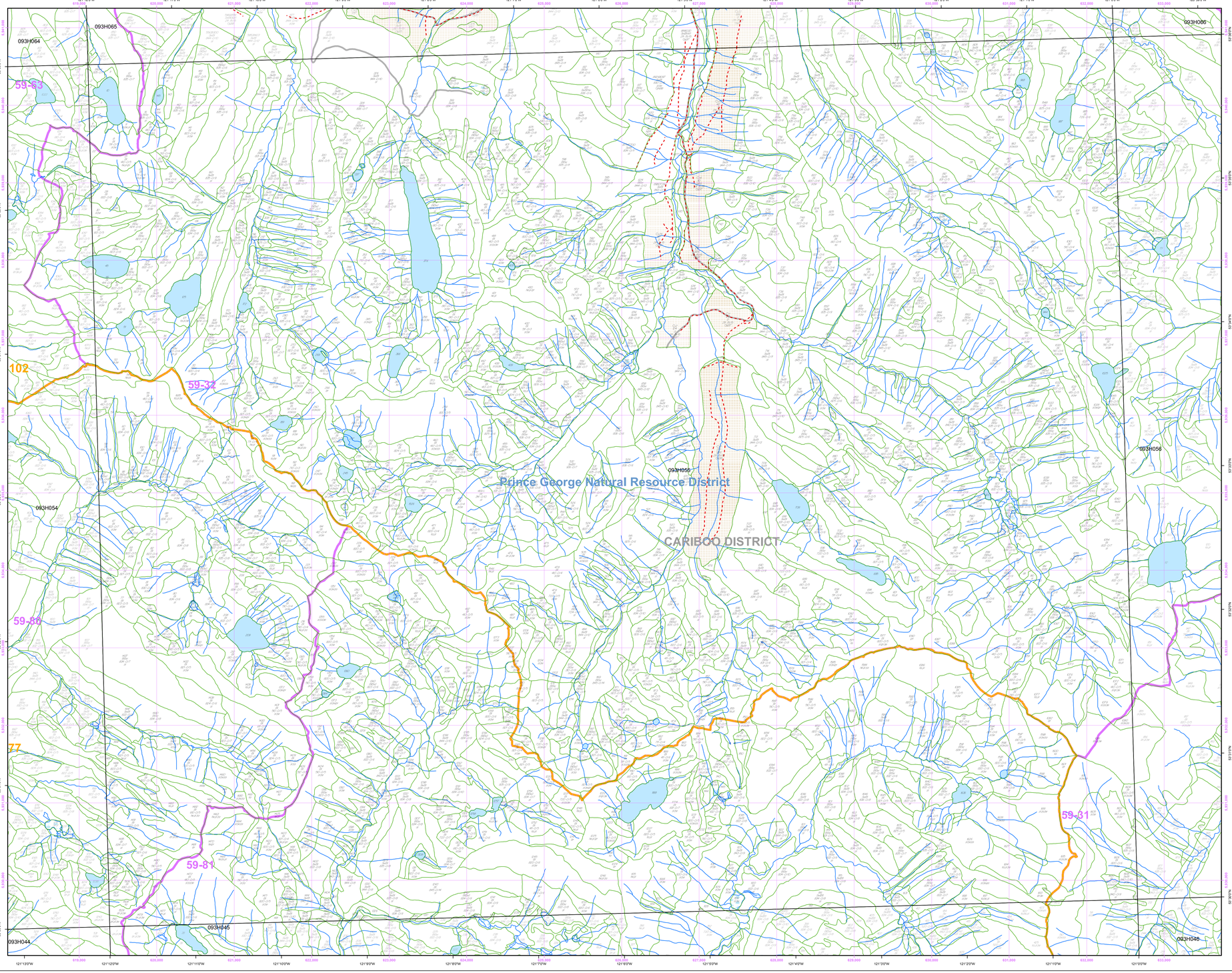
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap . The MapView example is of thematic RESULTS data

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 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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