103H052

Vegetation Map
103H052

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRMS / Ownership
Base Map Source: TRIM / Terrain

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 in Vegetation
- Permanent Sample Plot (GYPSI)
- Research Installations

TRIM - Base Features:
- All Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Frames
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeatures - 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 - 10 % 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:

```
OP    LINE DESCRIPTION
2024  1 Silviculture symbol and Opening Number
1     2 Polygon Number and multi-layer stand indicator (L)
Fd    3 Species Composition
      ex: the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock);
4     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     5 Vegetated Non-Forest Code (or Non-Forest/Nonproductive Description)
      ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6     6 Disturbance History & year - ex: Logged in 1978.
```

Line 1 - History Record Opening Number

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

Line 2 - Polygon No. / Multi-layer

VRMS Polygon Number - ranging from one to nine digits.
L Multi-layered stand (a re-parse 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
Y	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Season Juniper
L	LARCH
Lw	Alpine Larch
Lt	Tamarack
Lx	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 (Whitebark)
Ps	Shore Pine (coastal)
Pw	Western White Pine
Py	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sk	Kenai Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Interior Spruce hybrid
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
YEW	
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
V	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Act	Balsam Poplar
Act	Black Cottonwood
Ac	Trembling Aspen
R	ARBUTUS
Rm	Pacific
E	BIRCH
Ea	Alaska Paper Birch
Ekp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
C	CHERRY
Cb	Bitter Cherry
Cv	Choke Cherry
Cp	Pin Cherry
DG	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
U	ELM
Wb	Bebb's Willow
Wp	Pacific Willow
Wpb	Pacific x Bebb Willow (Barolley)
Wpl	Pacific Willow (glaucescent)
Ws	Scouler's Willow
Wh	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (see notes list)
Zn	other conifer
Zh	other hardwood

EXOTICS

V	APPLE
Vx	ASPEN, COTTONWOOD or POPLAR
Ax	*Northern Cottonwood
B	BIRCH
Be	European Birch
Ex	Silver Birch (exempt)
Ep	*Yellow Birch
E	ELM
Ui	Siberian Elm
Y	CYPRESS
Yt	*Hybrid Yellow Cedar
Yt	(Ketelleeri)
Bl	*Balsam Fir
Bg	*Grand Fir
Bm	*Alaska Red Fir
Bc	*White Fir
L	LARCH
Lt	*Dahurian Larch
Lk	*Japanese Larch
M	MAPLE
Mr	Box Elder
Mn	*Norway Maple
Mp	*Sycamore Maple
O	OAK
Or	*Red Oak
Ow	*White Oak
	OTHER EXOTICS
Cx	*Incense Cedar
Cd	*Giant Sequoia
Ch	*Western Redcedar
Cy	European Mountain Ash
Cs	Siberian Elm (southern)
Ck	*Katsura
Cg	Dragon Ash
Ch	*White Ash
Cl	*Black Locust, Honey
Cp	Tree-of-Heaven
Ck	Japanese Walnut
W	WALNUT
Pp	*Ponderosa Pine
Pj	*Red Pine
Pj	Sugar Pine
	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
At 50 years breast height age. Si is based on the age and height of the tallest tree species in the stand. Si is estimated from site tree age and height, estimated to 50 where after, or replaces the Si.

4e. ESTIMATED SITE INDEX
Si is estimated when suitable Si trees are not present, e.g. young stands (<30yrs). It is denoted by a stand which always has a Si estimate, and is usually the result of a site inventory. Type Group and Si Estimated source code.

Line 5 Vegetation records

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

NON-TREED SHRUB	
w SHRUBTALL	- shrub with average shrub height > or = to two metres.
u SHRUB LOW	- shrub with average shrub height < two metres.
NON-TREED HERB	
he HERB	- herb with no distinction between forbs and graminoids.
hf HERB - FORB	- 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, bryophytes, and hornworts > 50% of the bryoid cover.
bl BRYOID - LICHEN	- bryoid with lichens > 50% of the bryoid cover.

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

NON-VEGETATED CATEGORIES (for V and I records)

ai AIRPORT	gp GRAVEL PIT	mu MUDFLAT, SEDIMENT	rm RESERVOIR MARGIN		
ap ALPINE	ic ICE	mp MUDFLAT, MINE SPOILS	ra RAILWAY, SURFACE		
bl BLOCKFIELD	la LAKE BED	oc OCEAN	rs RIVER SEDIMENTS		
br BEDROCK	lt LANDING	ot OTHER	ru ROAD SURFACE		
cb CLIFF/TALUS/TALUS	ls LAKE/POND/LAKE SEDIMENTS	pd POND, SUMMER	sa SAND		
cu CUTBANK	mi MINE	re RESERVOIR	ta TAILINGS		
es EXPOSED SOILS	mm MORAINE	ri RIVER / STREAM	ur URBAN		
gl GLACIER		Note: Water categories (ou, os, ri, rs) subdivided over 50 percent coverage.			

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

A ASPNG	NP NON-PRODUCTIVE	SAND SAND			
AF ALPINE FOREST (Spruce	NPBR NON-PRODUCTIVE BRUSH	TIDE TIDAL FLAT			
BR BARREN	NPMS NON-PRODUCTIVE MOSS	U URBAN			
CL CLAY BANK	NPF NON-PRODUCTIVE FOREST (Spruce				
G GRAVEL BAR	NTA NO TYPING AVAILABLE	NC NON COMMERCIAL			
GC GRAVEL PIT	R ROCK	NCBR NON COMMERCIAL BRUSH			
ICE ICEFIELD	r HAYFIELD	NF NON-FORESTED			
M MEADOW	R ROCK	NSR INSUFFICIENTLY RESTOCKED			
MUD MUDFLAT	S SWAMP	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.

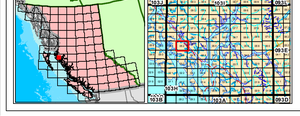
A	Animal Damage	L Logging	R Site Rehabilitation
B	Birds	M Mine Damage	T Treatment Injuries
C	Cone and Seed Insects	N Non-Biological Injuries	U Damage Unknown
D	Diseases	P Cone and Seedling Fungal Pathogens	V Problem Vegetation
I	Insects		

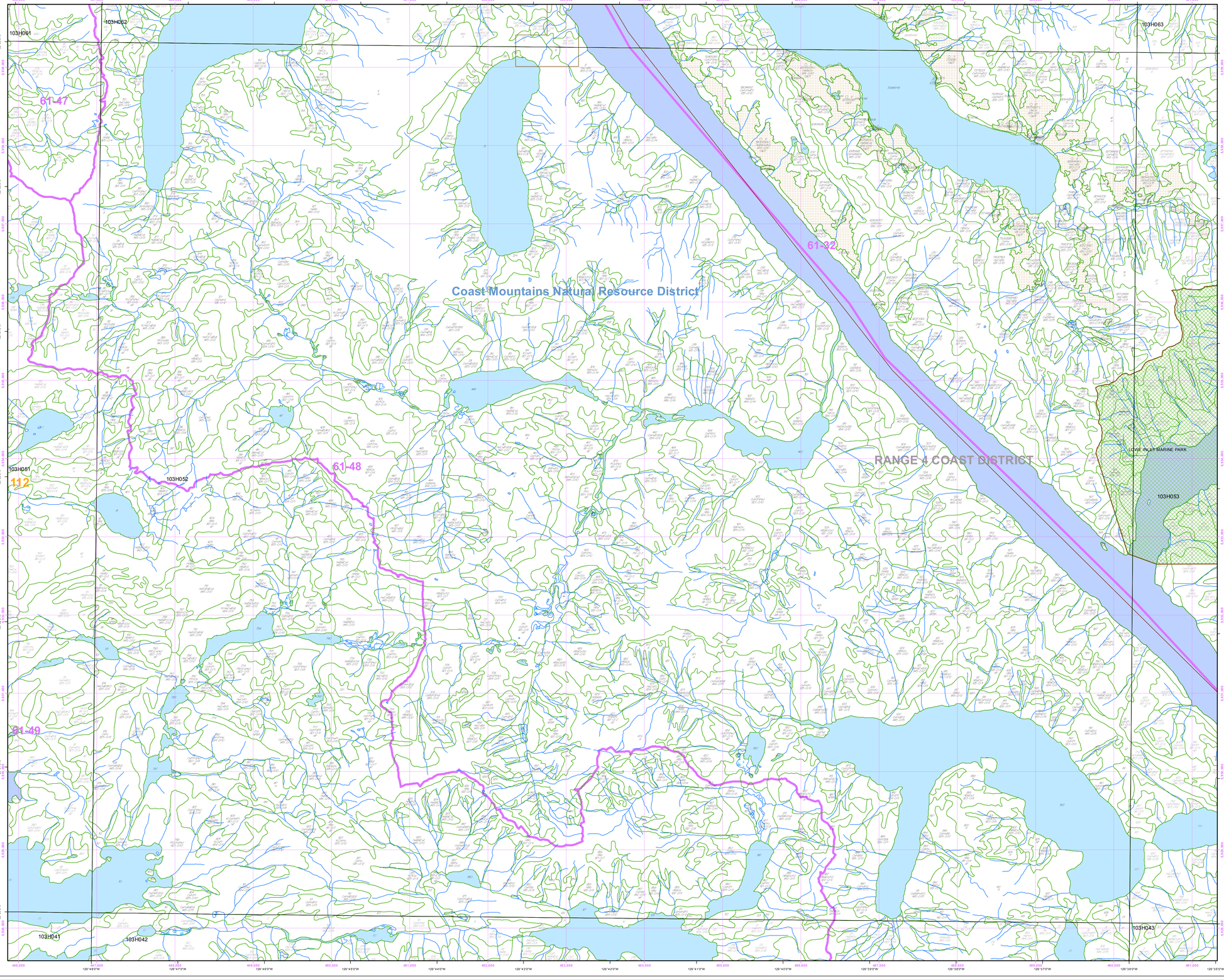
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either RFI or ArcMap. The MapView example is of the new 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

103H052