Vegetation Map
102P090

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 there are for reference purposes only. (Legend revised to June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (CFS)
- Research Installations

TRIM_Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Ferry Routes
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroelkwilderness - 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:

```
OP    LINE  DESCRIPTION
OP1   1  Silviculture symbol and Opening Number
FDPM1 2  Polygon Number and multi-layer stand indicator (L)
PL 20 3  Species Composition
PW 20    ex. the most important layer is described as Fd (Douglas Fir) and the (Western Hemlock)
SP 20    and Pw (Lodgepole Pine) are found in the same layer (Fd is the index / estimated 60 %)
Hw 20    ex. stand & age class 2 (21-40 yrs), height class 1 (0.1-10 mts.), crown closure class 1 (6-15%), S1 20m
OP28  5  Vegetated Density Class (or Non-Forest/Productive Descriptor)
      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

OP - opening number valid for BCGS mapsheet OGR - 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
Y	YEW
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
Hwm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sawtooth 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
Pyb	Ponderosa Pine (red)
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxs	Sitka x Spruce
Sxw	Engelmann x White
Sxl	Sitka x White
Sxw	Sitka x white/wh hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Da	Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Abl	Black Cottonwood
Ax	Hybrid Poplars
At	Trembling Aspen
Ae	Aspen
Ab	Alnicola
E	BIRCH
Ep	Alaska Paper Birch
Epg	Alaska x Paper Birch hybrid
Ey	Paper Birch (white)
Ew	Water Birch
K	DOGWOOD
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vv	Choke Cherry
Vp	Pin Cherry
G	DOG WOOD
Gs	Red Osier Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Mx	Paper/Vine Maple (Berkley)
Mxf	Pseudo Willow (grey leaved)
Mxw	Willow (Scouler)
Mf	Sitka Willow (bark leaved)

UNKNOWN - OTHER

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

EXOTICS

Ue	APPLE
Ax	Apple, COTTONWOOD or POPLAR
Ae	*Southern Cottonwood
	BIRCH
Ee	European Birch
Ey	Paper Birch (swamp)
Ep	Paper Birch
	CHERRY
Ve	*Sweet Cherry
Vu	*Ussurian Plum
Vm	*Pin/ Clifford Cherry
	FIR (Balsam)
Bn	*Noble Fir
Bp	Noble Fir
Bm	*Shasta Red Fir
Bc	*Corkbark Fir
	LARCH
Le	*Dahurian Larch
Ls	*Siberian Larch
	MAPLE
Me	Norway Maple
Mr	*Sycamore Maple
Ms	Sycamore Maple
	OAK
Qe	*English Oak
Qw	*White Oak
	PINE (EXOTICS)
Ce	*Austrian Pine
Cs	*Giant Sequoia
Cp	*Coast Redwood
Cd	European Mountain Ash
Cn	*Japanese Red Pine
Cr	Common Pear
Cy	Dragon Ash
Cb	Black Ash
Cr	*Douglasia Hickory
Cj	Tree of heaven
Cw	*Japanese Walnut
	PINE
Pm	*Monterey Pine
Pe	*Red Pine
Pi	*Ilingoi Pine
Pn	Pine
Sr	*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. It is based on the age and height of the leading species. Where 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 subplots SI have cannot present, e.g. young stands (<30yrs). 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 I records)

NON-TREED SHRUB
- S - SHRUB - shrub with average shrub height > or = to two metres.
- s - SHRUB (Low) - shrub with average shrub height < two metres.

NON-TREED HERB
- H - HERB - herb with no distinction between forbs and graminoids.
- W - HERB - FORBS - herb with forbs > 50% of the herb cover.
- Hg - HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- B - BRYOID - 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
- r - Rock / Bedrock
- rr - Rock / Rubble
- w - Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gr	GRAVEL PIT	mu	MUDFLAT SEDIMENT
b	BEACH	l	LAKE	mz	MUNICIPAL WASTE SPOILS
bl	BLOCKFIELD	la	LAKEBED	ns	OCEAN
br	BEDROCK	lt	LANDING	oi	OTHER
bu	BURNED AREA	p	POND or LAKE SEDIMENTS	pn	SNOW COVER
cl	CUTBANK	pq	OPEN PIT MINE	ri	RIVER / STREAM
ds	DISTURBED SOILS	rm	MORAINE	rs	RIVER / STREAM
gl	GLACIER				

rm	RESERVOIR MARGIN		
rp	RIPARIAN ZONE		
rs	RIVER SEDIMENTS		
ru	ROAD SURFACE		
ta	TALUS		
vi	VALINGS		
w	WATER		

Note: Water categories (la, ns, re, ri) not labelled over 90 percent coverage.

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

A	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST Ripecies	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
BY	BRYOID LICHEN	NPMS	NON PRODUCTIVE MUSKEG	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST Ripecies		
G	GRAVEL BAR	NPA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
H	HERB	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
OT	OTHER LIT	P	HAYFIELD	NF	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUDFLAT	S	SWAMP	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

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

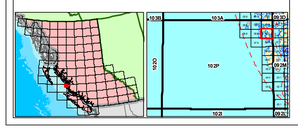
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seedling Fungal Pathogens
I	Insects		
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

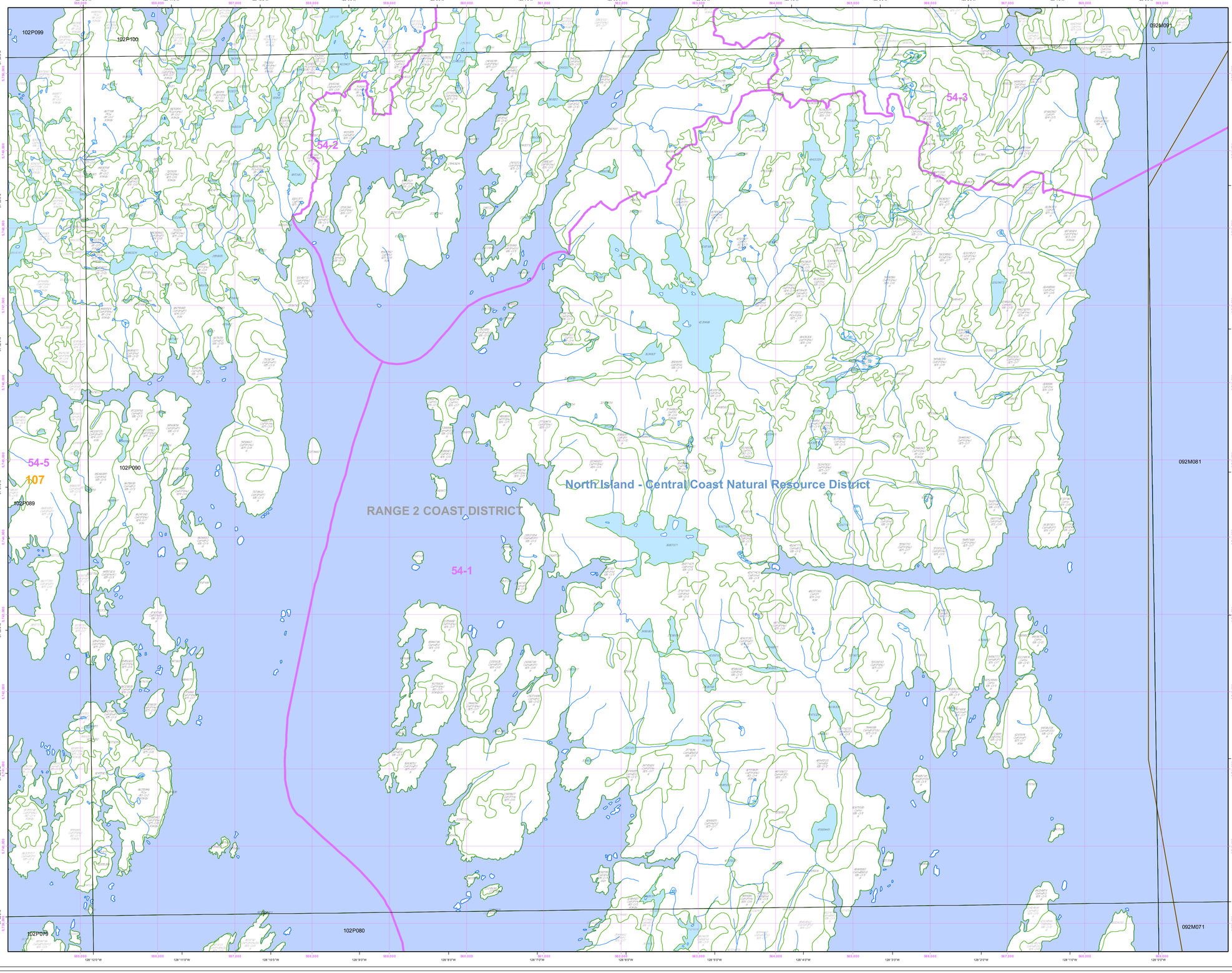
Example Opening History Details

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

The Ministry of Forests, Mines and Lands web application IMF 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