103A037

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
103A037

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 / 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 2016)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Feature s:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (CFS)
- Research installations

TRIM_Base Feature s:
- Bluff Rocks
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeatures - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Glacier - ESM

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 boundaries (> 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 (Douglis 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 (3.1-10.4m); crown closure class 1 (6-15%); SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
6 Non-Vegetated Descriptor (ex: rock outcrop with herbs and graminoids, shrubs less than 2m.
7 Disturbance History & year - ex: logged in 1978

Line 1 - History Record Opening Number

103F - opening number valid for BCGS mapsheet 103F

103F - 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

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	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Jd	Alaska Juniper
L	LARCH
Lw	Western Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pl	Lodgepole Pine
Pa	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Pxj	Lodgepole x Jack Pine hybrid
Pxl	Lodgepole x Limber hybrid
Pw	White Pine (basic)
Pw	Western White Pine
Pf	Limber Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	White Spruce
Sw	White Spruce
Sxl	Spruce hybrid
Sxw	Engelmann x White
Sxb	White x Black
Sxl	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

A	ALDER
D	Red Alder
U	APPLE
Ax	Pacific Crab Apple
Act	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Abl	Balsam Poplar
Act	Black Cottonwood
Ac	Trembling Aspen
At	Trembling Aspen
E	BIRCH
Ep	Paper Birch
Ea	Alaska Paper Birch
Ekl	Paper Birch x Kenai hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Ke	Cascade
V	DWEBRY
Vs	Saskatoon
Vh	Black Hawberry
Vp	Pin Cherry
D	DOGWOOD
Dp	Pacific Dogwood (western flowering)
G	OAK
Gb	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wg	Peachleaf Willow (Barclay's)
Ww	Pussy Willow (grey leaved)
Wl	Scouler's Willow
Wt	Sitka Willow (tea leaved)

UNKNOWN / OTHER

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

EXOTICS

Ab	Apple
A	ASPEN, COTTONWOOD or POPLAR
Act	Aspen (Lombardi)
BRGP	
Be	European Birch
Ek	Silver Birch (swamp)
Ey	*Yellow Birch
Ch	CHERRY
Ys	Sweet Cherry
CYPRESS	
Yo	*Monterey Cedar
FIR (Balsam)	
Bl	*Balkan Fir
Bn	*Nikko Fir
Bm	*Shasta Red Fir
Bc	*White Fir
LARCH	
Lk	*Dahurian Larch
Lx	*Siberian Larch
MAPLE	
Mb	Box Elder
Mr	*Norway Maple
Ms	*Sycamore Maple
OAK	
Qe	*English Oak
Qn	*White Oak
OTHER EXOTICS	
Dc	*Cornelian Cherry
Dl	*Giant Sequoia
Dc	*Coast Redwood
Dm	*Dawn Redwood-Asn
Dr	Eastern Elm (southern)
Of	Common Pear
Ob	Oregon Ash
PINE	
Pm	*Monterey Pine
Pn	*Red Pine
Ps	*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

All SI are shown to the nearest metre referenced at 50 years breast height age. SI is derived from a variety of sources in the following priorities. 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 suitable SI trees cannot present, e.g. young stands, deciduous stands, or non-forested areas. Estimate provides 5 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 FREED SHRUB
- SP SHRUB TALL - shrub with average shrub height > or = to two metres.
- SD SHRUB LOW - shrub with average shrub height < two metres.

NON FREED HERB
- NH HERBS - herb with no distinction between forbs and graminoids.
- M HERB - FORBS - herb with forbs > 50% of the herb cover.
- NG HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON FREED BRYOID
- B BRYOID - bryoid with no distinction between mosses and lichens by cover.
- BM BRYOID - MOSS - bryoid with mosses, liverworts, and hornwort's > 50% of the bryoid cover.
- BL BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- R Rock / Rubble
- W Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gr	GRAVEL PIT	mv	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mz	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lk	LAKEBED	oc	OCEAN
cb	CUTBANK	lo	LOADING	ri	RIVER
bu	BURNED AREA	lp	POND at LAKE SEDIMENTS	sn	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
cs	CUTBANK SOILS	mn	MORAINE	st	STREAM
gl	GLACIER				

mr	RESERVOIR MARGIN				
rw	RAILWAY EMBANKS				
rv	RIVER SEDIMENTS				
sw	SEWAGE				
ta	TALUS				
tl	TAILINGS				
ur	URBAN				

Note: Water categories (ie, lo, re, rv) not labelled over 50 percent coverage.

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

A	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON-PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
BY	BOG (bryoid)	NPBU	NON-PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON-PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NON-PRODUCTIVE-NO VALUE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
L	LAKE (Species)	R	ROCK	NPBR	NON PRODUCTIVE BRUSH
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.

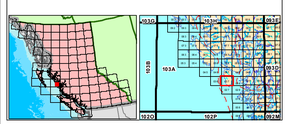
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Disease	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insect				

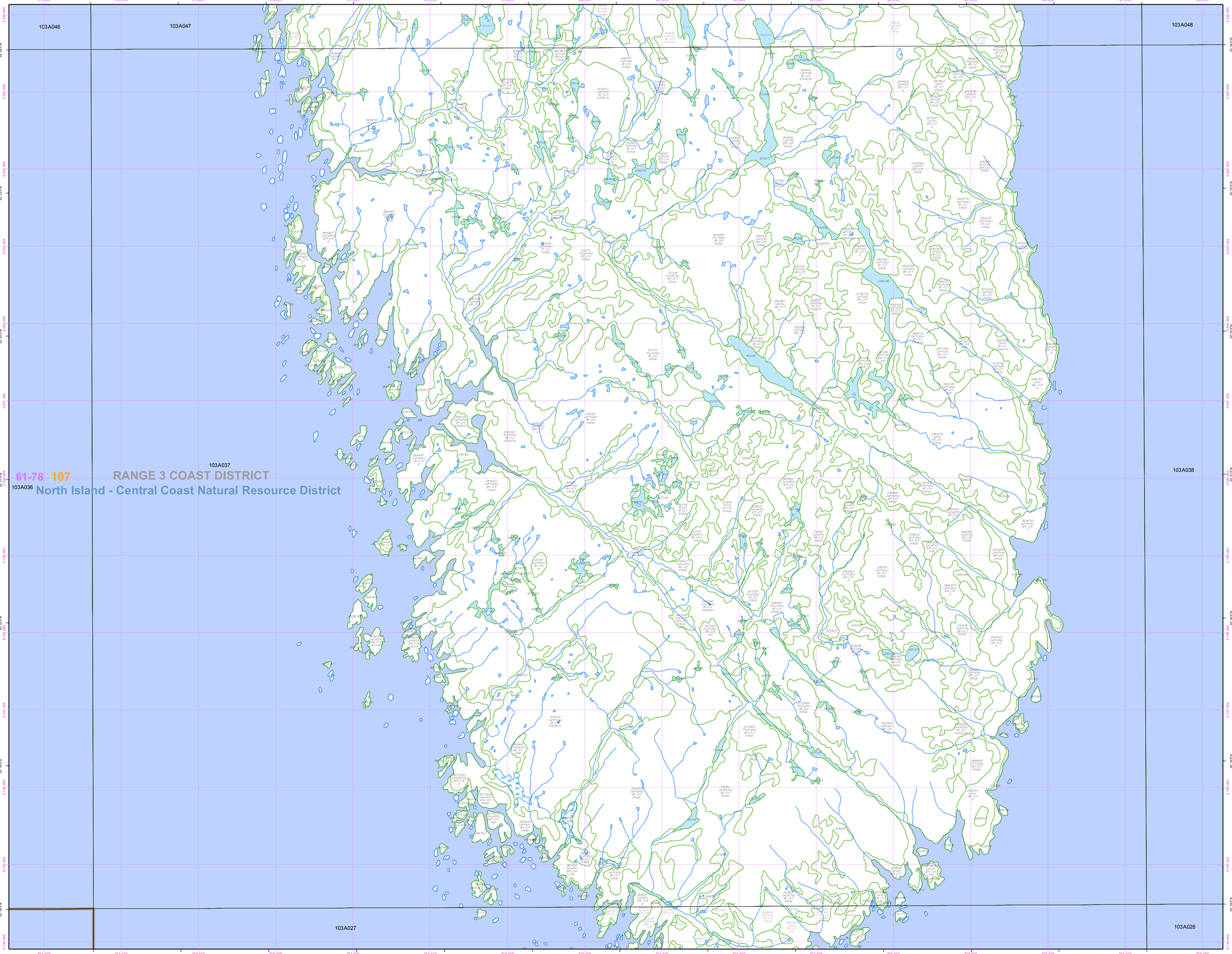
Example Opening History Details

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 RESULTS 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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