103H030

Vegetation Map
103H030

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 2014).

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM - Base Features:
- All Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Parties
- Other Lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolines - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Glacier - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- NVI Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area-Block - FADM
- Tree Farm Licences - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary (< 1:200,000 ha - 15 % hatch)
- Municipal boundary (> 1:200,000 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:

OT 654 Fdi/Hw 21-20 Ncd Cs78

LINE DESCRIPTION
1. Silviculture symbol and Opening Number
2. Polygon Number and multi-layer stand indicator (L)
3. Species Composition
   - Multi-layered stand: each layer is described as Fd (Douglis Fir) and Hw (Western Hemlock).
4. Age, Height, Crown Closure Class Code - separated by a hyphen (-) (estimated SI)
   ex: stand is age class 2 (21-40 yrs), height class 1 (01-10.4m), crown closure class 1 (6 -15%). SI 20m
5. Vegetated Density Class (or Non-Forest/Productive Descriptor)
   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

OT - opening number valid for BCGS mapsheet. 2634 - opening number has not been assigned

Line 2 - Polygon No. / Multilayer

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	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Coastal Douglas Fir
Fdi	Interior Douglas Fir
H	HEMLOCK
Hw	Western Hemlock
Hg	Grand Fir
B	Subalpine Fir (alpine)
Bl	Balsam
Hm	Mountain Hemlock
Hw	Western Hemlock
X	Unknown Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Jc	Common Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Plx	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pa	Whitebark Pine
Pf	Limber Pine
Sx	SPRUCE
Se	Sitka Spruce
Sb	Black Spruce
Sw	White Spruce
Sxs	Spruce hybrid
Sxw	Engelmann x White
Sxl	Spruce hybrid
Sxl	Sitka x Unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
D	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Ac	Black Cottonwood
Act	hybrid Poplar
Ax	hybrid Aspen
Ar	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ew	Water Birch (riparian)
Ew	Water Birch
K	CASCARA
Ko	Cascara
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vu	Unknown Cherry
Vt	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Or	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bartley's)
Ww	Pacific Willow (grey-leaved)
Wy	Pacific Willow (yellow-leaved)
Ws	Sooult's Willow
Wr	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	unknown conifer
Xh	unknown hardwood
X	unknown (non-forest list)
Z	other conifer
Zh	other hardwood

EXOTICS

Ue	APPLE
Ax	ASPEN, COTTONWOOD or POPLAR
Ast	*Southern Cottonwood
E	BIRCH
Ea	European Birch
Ep	*Japanese Birch
Ey	*Yellow Birch
Y	CHERRY
Yn	*Mazzard Cherry
Yp	*Red Orford Cedar
F	FIR
Fg	*Balsam Fir
Fn	Noble Fir
Fnm	*Noble Red Fir
Fp	*Grand Fir
L	LARCH
Lc	*Siberian Larch
Le	*European Larch
M	MAPLE
Me	Box Elder
Mh	*Norway Maple
Mm	*Miscellaneous Maple
O	OAK
Oe	*English Oak
Or	*Red Oak
U	OTHER EXOTICS
Uc	*Incense Cedar
Ucp	*Port Orford Cedar
Ucr	*Coast Redwood
Ud	European Mountain Ash
Ue	*Russian Olive (exotic)
Uf	Common Pear
Ug	Dragon Ash
Uh	*White Ash
Uk	*Japanese Hickory
Ul	*Incense Heaven
Um	Japanese Walnut
P	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Ps	*Sugar 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 based on the age and height of the dominant trees. Site curves are used to estimate SI from site 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 (<20yrs). It is denoted by a death which always has a site tree species (Fdc, Sx, Cw, Hw, Pl) and a productivity Type Group and SI if estimated source code.

Line 5 Vegetation records

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

NON-TREED SHRUB
- sl SHRUB TALL - shrub with average shrub height > or = to two metres.
- sm 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 BRYOID - bryoid with no distinction between moses and lichens by cover.
- bm BRYOID - MOSS - bryoid with moses > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED
- v Exposed Land
- w Water
- s Snow / Ice

NON VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gl	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mr	RUBBLY MINE SPOILS
bl	BOULDER	ld	LANDFILL	ms	SAND
br	BEDROCK	li	LANDING	o	OTHER
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS	pn	SNOW COVER
cl	CLEARCUT	mn	MINE - OPEN	ra	RIVER BANK
ea	EXPOSED SOILS	mz	MORAINE	r	RIVER ESTREAM
g	GLACIER				

Note: Water categories (la, ec, re, rl) not labelled over 80 percent coverage.

rm	RESERVOIR MARGIN		
rn	RAILWAY SURFACE		
rp	ROCK OUTCROPS		
rs	ROAD SURFACE		
ta	TALUS		
tz	TAILINGS		
u	URBAN		

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

A	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON-PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN	U	URBAN
CL	CLOSED	NPCL	NON-PRODUCTIVE CLEARCUT (Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
M	MEADOW	OF	OPEN FIELD	NF	NON FORESTED
MUD	MUDFLAT	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
		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.

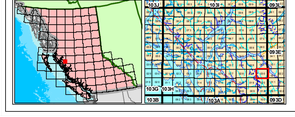
A	Animal Damage	L	Logging
B	Wildfire	M	Mote Damage
D	Insects and Seed Insects	N	Non-Biological injuries
O	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

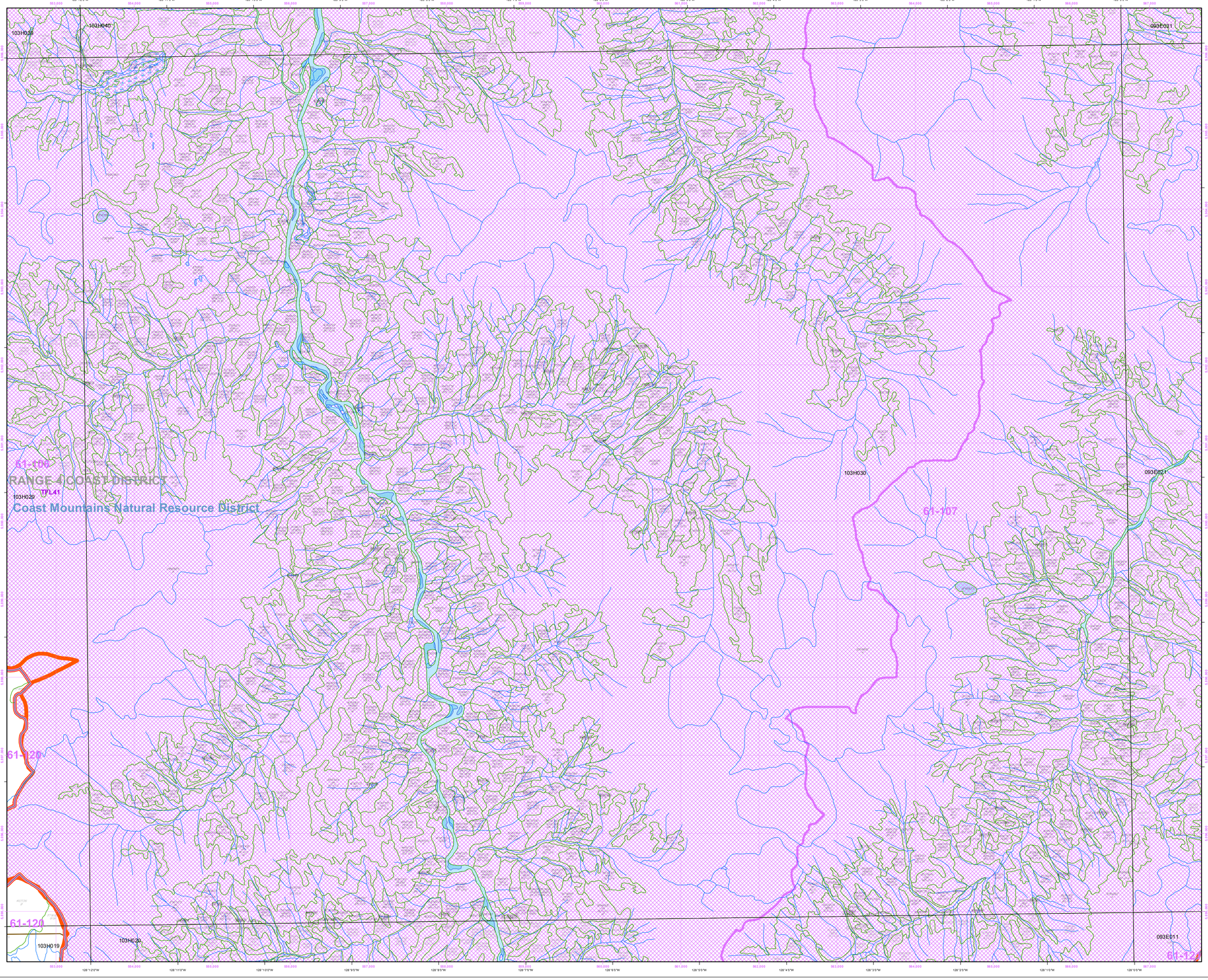
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed 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
FOREST COVER / FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

103H030