103H080

Vegetation Map
103H080

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

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM_Base Feature's:
- 4x4/Trail Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Tel/P wires
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroshed/terrains - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - 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 boundaries (< 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:

OE 2 FdHw 7 40 L 1 Ag78

LINE DESCRIPTION
1 Silviculture symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
ex. the most important tree is described as Fd (Douglas Fir) and Hw (Western Hemlock).
4 Age Class - ex: 7 - 141-250 years - Site Index - expressed - 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 herbs 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 — OPN - 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 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
Cy	Yellow Cedar
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
Hxm	Mountain x Western Hemlock hybrid
P	PINE
Pf	Rocky Mtn. Juniper
Pj	Sawara Juniper
Pl	Lodgepole Pine
Plc	Alpine Larch
Lt	Tamarack
Lw	Western Larch
Pa	Whitebark Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Pxj	Lodgepole x Jack Pine hybrid
Pj	Jack Pine (Banksian)
Pli	Shore Pine (coastal)
Pw	Western White Pine
Pxw	Hybrid White Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxw	Spruce Hybrid
Sxe	Engelmann x White
Sxs	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Da	Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Ad	Black Cottonwood
Ax	Hybrid Poplars
Ai	Trembling Aspen
E	BIRCH
Ea	Alaska
E	BIRCH
Ep	Alaska Paper Birch
Ex	Alaska x Paper Birch hybrid
Ey	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Ky	Cascara
V	WILLOW
Vc	Sitka Cherry
Vv	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Mr	Rocky Mtn. Maple (standard)
Ms	Douglas's Maple
Mt	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (see notcon list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ux	APPLE
Ax	ASPEN, COTTONWOOD or POPLAR
Ae	* Southern Gottonwood
	BIRCH
Ep	* Asian Birch
Ey	* Asian Birch (swamp)
Ew	* Yellow Birch
	CHERRY
Vy	* Sweet Cherry
Vu	* Bird Cherry
	* Hunt Wilmot Cedar
	FIR (Balsam)
Bh	* Noble Fir
Bp	* Grand Fir
Bm	* Shasta Red Fir
Bv	* Veitch Fir
	LARCH
Ld	* Dahurian Larch
Lk	* Siberian Larch
Lx	* Hybrid Larch
Mk	Box Elder
Mr	* Norway Maple
Ms	* Sycamore Maple
	PINE
Pa	* Austrian Pine
Pf	* Red Pine
Ps	* Scots 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	101-140
7	121-140
8	141-250
9	251 +

4b 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 dominant trees. Site Index is estimated from Site Series or Site Association, age and height, estimated SI is shown after, or replaces the SI.

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

4c. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees cannot present, e.g. young stands. The SI is estimated from the site series or site association it Associated Notes in the data base are for advisory Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I (up=04))

NON-TREED SHRUB
- d SHRUB TALL - 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 - FORBS - herb with forbs > 50% of the herb cover.
- hg HERB - GRAMINOIDS - herb with graminoids > 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
- w Exposed Land
- rs Rock / Rubble
- ss Snow / Ice

NON VEGETATED CATEGORIES (for V and I (up=04))

bl	BEDROCK	ir	ICE PIT	mu	MUDFLAT SEDIMENT
be	BEACH	l	LAKE	mz	RUBBLY MINE SPOILS
bi	BLOCKFIELD	lk	LAKEBED	oc	OCEAN
bu	BURNED	ls	LAKE SALT	rs	ROCK
bs	BURNED AREA	lv	POND or LAKE SEDIMENTS	sn	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
dl	DRY BED SOILS	mo	MORAINE	rr	RIVER / STREAM

Note: Shrub categories (tx, cc, ra, r) not tabulated over 80 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I (up=04))

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST -Species	NPBR	NON PRODUCTIVE BRUSH	SILT	SILT CLAY
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST -Species		
G	GRASS / HERB	NPR	NON PRODUCTIVE RANGE	NC	NON CO-MMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON CO-MMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
L	LAKE	R	ROCK	NPLS	NON PRODUCTIVE LIVESTOCKED
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

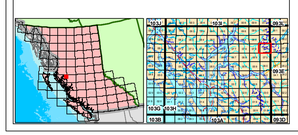
A	Animal Damage	L	Logging
B	Wildfire	M	Mist Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seeding Fungal Pathogens
I	Insects		
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

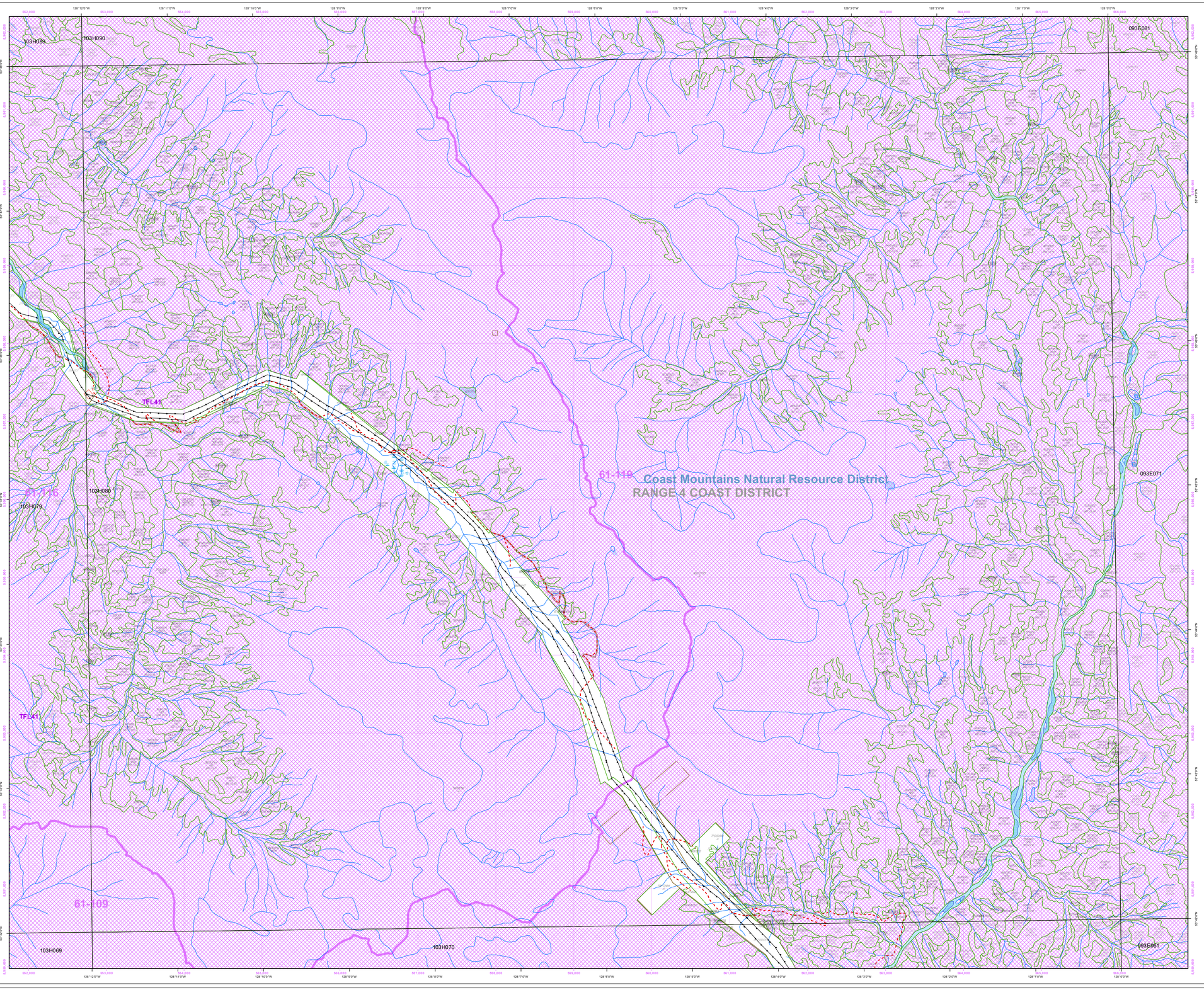
Example Opening History Details

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