103H040

Vegetation Map
103H040

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

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 display the vegetation resource inventory. The vegetation data was captured at various times and by various methods and 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 Features:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (CFS)
- Research Installations

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

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- NV 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 (> 1:200,000 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:

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 (Douglas Fir) and Hw (Western Hemlock).
Fd is estimated to be 70% of the stocking and Hw is estimated to be 30%.
The stand is age class 2 (21-40 yrs), height class 1 (0-10 mts), crown closure class 1 (6-15%), SI 20m
4 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

xxxx - opening number valid for BCGS mapsheet 0000 - 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 listed 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 4.6 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Cy	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	BALSAM
Bm	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (Alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sitka(e) Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Pxj	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pa	Stone Pine (pinea)
Pw	Western White Pine
Pxw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Engelmann x White
Sxl	Sitka x Lutz
Sxs	Sitka x unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	ASPEN
Ep	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Ate	Eastern Poplar
Ad	Black Cottonwood
Ae	Trembling Aspen
Ac	Trembling Aspen
R	ARBUTUS
Rm	Arbutus
Z	WILLOW
Ew	Alaska Paper Birch
Ewp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ey	Yellow Birch
K	CascaraCascara
Ku	Cascara
V	CHERRY
Vs	Bitter Cherry
Vv	Choke Cherry
G	GARRY OAK
GO	GOGNOGO
Gp	Pacific Dogwood (western flowering)
H	HARDWOOD
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bebb's)
Wd	Pacific Willow (gray-leaved)
Wr	Sitka Willow (red-leaved)

UNKNOWN - OTHER

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

EXOTICS

A	APPLE
Ua	Apple
U	UNKN. COTTONWOOD or POPLAR
Ut	*Southern Cottonwood
	BIRCH
Ek	*Asian Birch
Ez	Silver Birch (exotic)
Ky	*Yellow Birch
	CHERRY
Vy	Sweet Cherry
	CYPRESS
Yo	*Nootka (Alaska) Cedar
Yn	*Nootka Fir
Yg	*Grand Fir
Ys	*Shasta Red Fir
Ym	*Mtn. Hemlock
	LARCH
Lk	*Dahurian Larch
Lj	*Japanese Larch
	MAPLE
Mr	Box Elder
Mn	*Norway Maple
Ms	*Sycamore Maple
	OAK
Oe	*English Oak
Ow	*White Oak
	OTHER EXOTICS
Ox	*Horsechestnut
Ch	*Chestnut
Oc	*Cascara
Oh	*Common Hackberry
Of	Common Fig
Og	Oregon Ash
Ow	*White Ash
Oa	*Weeping Willow
Ob	*Black Locust
Oj	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Ps	*Scots Pine
P	PINE
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 - 16.4
3	16.5 - 22.4
4	22.5 - 27.4
5	27.5 - 40.4
6	40.5 - 53.4
7	53.5 - 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

SI of tree known to the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the trailing species. When an accurate SI cannot be obtained from site and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees are not present. e.g. young stands (<30yrs). SI is denoted by a stash 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.
w	SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB

he	HERB - herb with no distinction between forbs and graminoids.
h	HERB - FORBS - herb with forbs > 50% of the herb cover.
g	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, liverwarts, and hornwarts > 50% of the bryoid cover.
bl	BRYOID - LICHEN - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

w	LAKE/WATER	gr	GRAVEL PIT	ms	MUD/SILT SEDIMENT	rr	RESERVOIR MARGIN
b	BEACH	q	QUARRY	mw	MUSKEG/ MINE SPOILS	ra	RAILWAY SURFACE
rk	ROCK/FELD	s	LAVA MED	o	OCEAN	rs	RIVER SEDIMENTS
lk	SEDIMOIX	l	LANDING	rl	OTHER	rd	ROAD SURFACE
ls	SEDIMENTAREA	d	DEBRIS, LAKE SEDIMENTS	rc	RIVER COVER	t	TALUS
c	CUTBANK	m	OPEN PIT MINE	rv	RESERVOIR	tl	TAILINGS
es	EXPOSED SOILS	ss	SCORAINS	r	RIVER / STREAM	u	URBAN
i	GLACIER						

Note: Water categories (w, ou, re, rl) are labeled over the parameters.

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

A	ALPINE	NPBC	NON PRODUCTIVE BRUSH	SAND	SAND
AF	ALPINE FOREST / Species	NPBU	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLEARING	NPC	NON PRODUCTIVE FOREST / Species		
G	GRASSLAND	NPE	NOT APPROPRIATE/AVAILABLE	NCBR	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMERCIAL BRUSH
M	MARSH	P	PASTURE	NP	NON PRODUCTIVE
MS	MEADOW	R	ROCK	NRA	NOT RAPIDLY REGROWED
MUD	MUD FLAT	S	SWAMP	NRA	NOT REFORESTABLE

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.

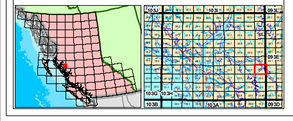
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
	Insects				

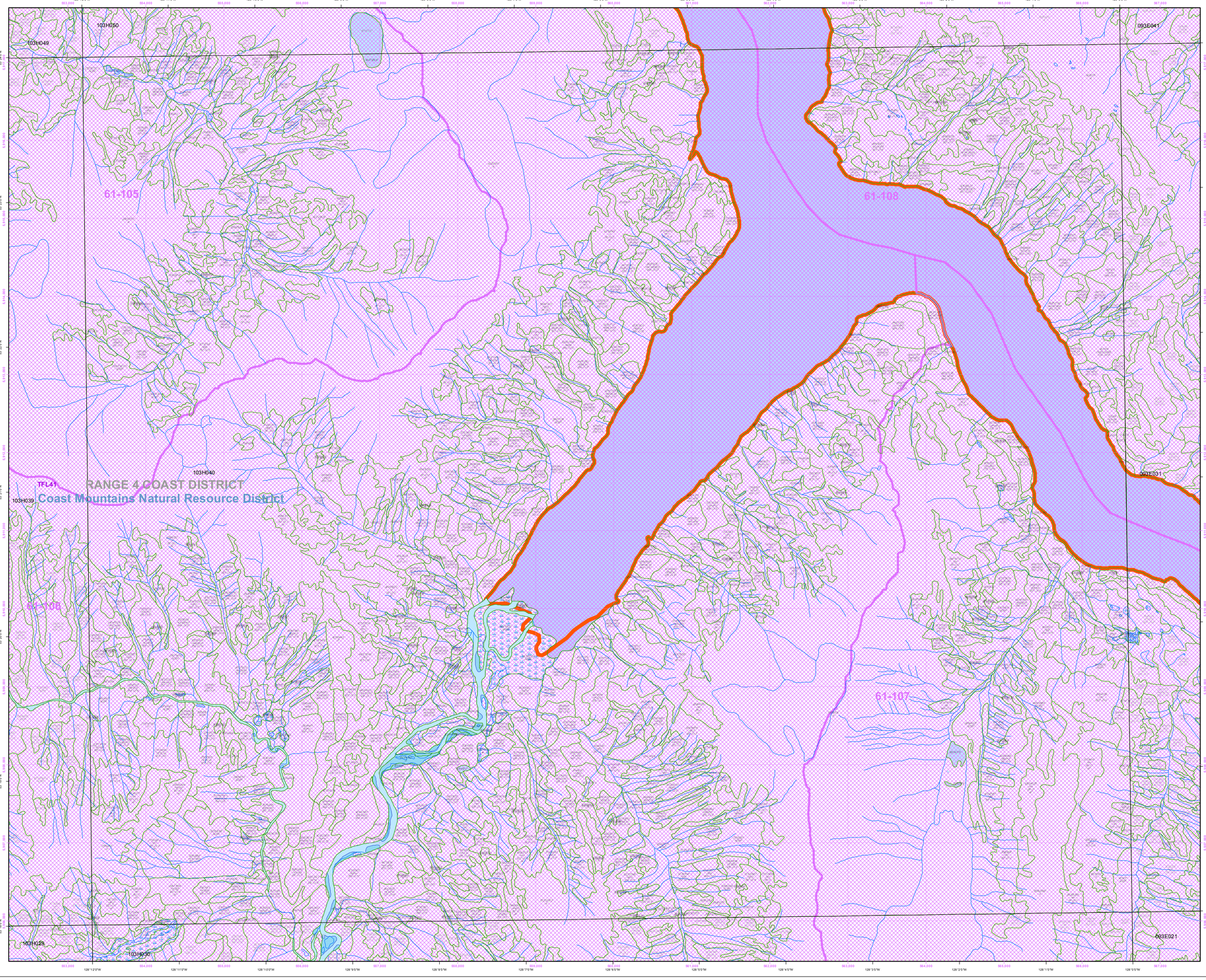
Example Opening History Details

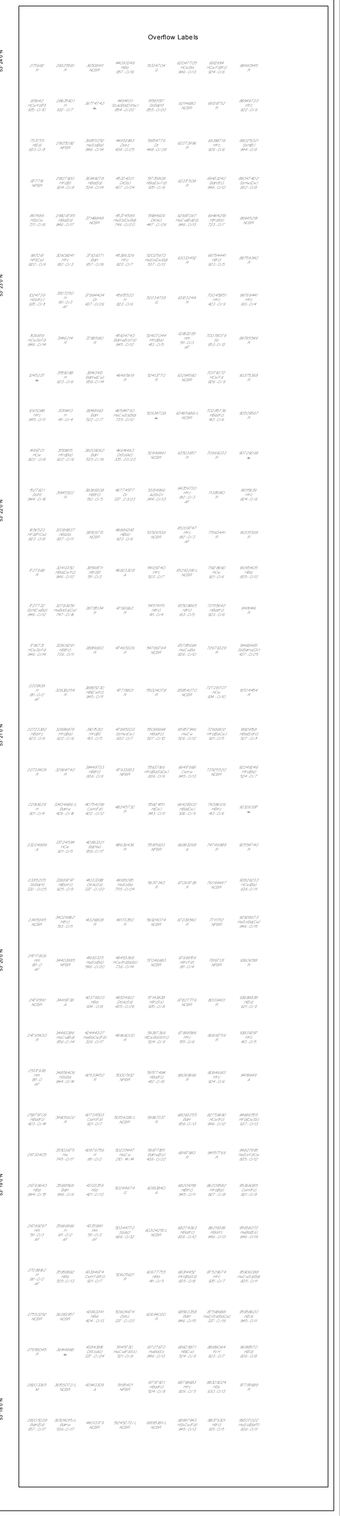
Detailed Silviculture information is available on the BCGW
in the RSLT_OPENING_SVW coverage. The Mapview example is
of thinned RESULTS data.

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







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