103H095

Vegetation Map
103H095

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRIMS I/ 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 in ay not be complete and up to date.Cadastral, administrative boundaries and the Owne rship colour the me 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 (GY'S)
- Research Installations

TRIM, Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroks/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- R/V 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:

CB	LINE DESCRIPTION
EW L	1 Silviculture symbol and Opening Number
Fd50	2 Polygon Number and multi-layer stand indicator (L)
Fd_2G	3 Species Composition
Hw30	ex. the most important layer is described as Fd (Douglis Fir) and Hw (Western Hemlock).
NCD	4 Age, Height, Crown Closure Class Code - separator Site Index / estimated SI
Cw20	ex. stand 4 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 Descriptor)
	ex. L = Open Vegetation, a transition between forbs and graminoids, shrubs less that 2m.
	6 Disturbance History & year - ex. Logged in 1978

Line 1 - History Record Opening Number

CUT -opening number valid for BCGS mapsheet — xxx -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 labelled 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	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
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sweede Juniper
L	LARCH
Le	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Coastal Pine
Pli	Lodgepole Pine (interior)
Ply	Lodgepole x Jack Pine hybrid
Pm	Mountain Pine (other)
Pb	Black Pine (coast)
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Englemann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Interior Spruce White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Ad	Black Cottonwood
Ae	Trembling Aspen
Ax	hybrid Poplars
At	Trembling Aspen
R	ARBUTUS
Ep	Paper Birch
E	BIRCH
Ea	Alaska Paper Birch
Ep	Alaska x Paper Birch hybrid
Ew	Paper Birch (white)
K	DOGWOOD
Kc	Cascara
V	DHERRY
Vb	Bitter Cherry
Vm	Choke Cherry
Vp	Pin Cherry
G	DOG WOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broad Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Black's Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bebb's)
Wr	Red Willow (Sitka, Scouler)
Ws	Scouler's Willow
Wt	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

U	APPLE
Ue	Exotic Apple
A	ASPEN, COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
E	BIRCH
Ea	European Birch
Ep	*Asian Birch (swamp)
Ew	*Yellow Birch
K	CHERRY
Vs	Sweet Cherry
Y	CYPRESS
Yp	*Port Orford Cedar
B	FIR (Balsam)
Bp	Noble Fir
Bm	*Shasta Red Fir
Bc	White Fir
L	LARCH
Lr	*Dahurian Larch
Ld	*Siberian Larch
M	MAPLE
Mi	Field Elder
Mr	*Norway Maple
Ms	*Sycamore Maple
O	OAK
Oe	*English Oak
Or	*Red Oak
X	OTHER EXOTICS
Xa	*Incense Cedar
Xc	*Giant Sequoia
Xs	*Coast Redwood
Xv	European Mountain Ash
Xw	Siberian Elm (southern)
Xr	Common Pear
Xp	*Black Pine
Xt	*White Ash
Xr	*Shagbark Hickory
Q	Tree of Heaven
Qa	Japanese Walnut
P	PINE
Pn	*Monterey Pine
Pi	*Red Pine
Ps	*Scots 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 known to the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the leading species. When 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 are not present, e.g. young stands (<30yrs). It is denoted by a dash 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
- st SHRUB TALL - shrub with average shrub height> 1m < 4m two metres.
- sl 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 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
- e Exposed Land
- r Rock Bluffs
- w Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)
- ap AIRPORT
- be BEACH
- bl BLOCKFIELD
- bu BUILT-UP
- bz BURNZ/AREA
- cb CUTBANK
- es EXPOSED SOILS
- f FARMING
- gr GRAVEL PIT
- l LAKE
- lk LAKEBED
- mi MINE
- s POND or LAKE SEDIMENTS
- rm OPEN PIT MINE
- mo MORAINE
- mu MUDFLAT SEDIMENT
- mz RUBBLY MINE SPOILS
- st STUMPS
- w OTHER
- pe SNOW COVER
- re RESEVOIR
- ri RIVER / STREAM
- rm RESERVOIR MARGIN
- ra RAILWAY SURFACE
- rg RIVER SEDIMENTS
- ro ROAD SURFACE
- ta TALUS
- tl TAILINGS
- u URBAN

Note: these categories (ie. ec, re..) is normalized over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I records)
- A ALPINE
- C CULTIVATED
- CL CLAY BANK
- G GRAVEL BAR
- GR GRAVEL PIT
- L LAKE
- M MEADOW
- MUD MUD FLAT
- NF NON PRODUCTIVE
- NFBR NON-PRODUCTIVE BRUSH
- NFBU NON-PRODUCTIVE BURN
- NPF NON PRODUCTIVE FOREST (Species
- N/A NOT TYPING AVAILABLE
- OR OPEN RANGE
- R ROCK BLUFF
- S SWAMP
- SAND SAND
- TIDE TIDAL FLAT
- URBAN
- NC NON COMMERCIAL
- NCBR NON COMMERCIAL BRUSH
- NP NON PRODUCTIVE
- NSR NOT SUFFICIENTLY RESTOCKED
- 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.

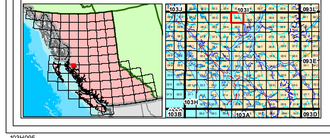
- A Animal Damage
- B Wildfire
- C Cone and Seed Insects
- D Diseases
- I Insects
- L Logging
- M MIne Damage
- N Non-Biological Injuries
- P Cone and Seeding Fungal Pathogens
- R Site Rehabilitation
- T Treatment Injuries
- U Damage Unknown
- V Problem Vegetation

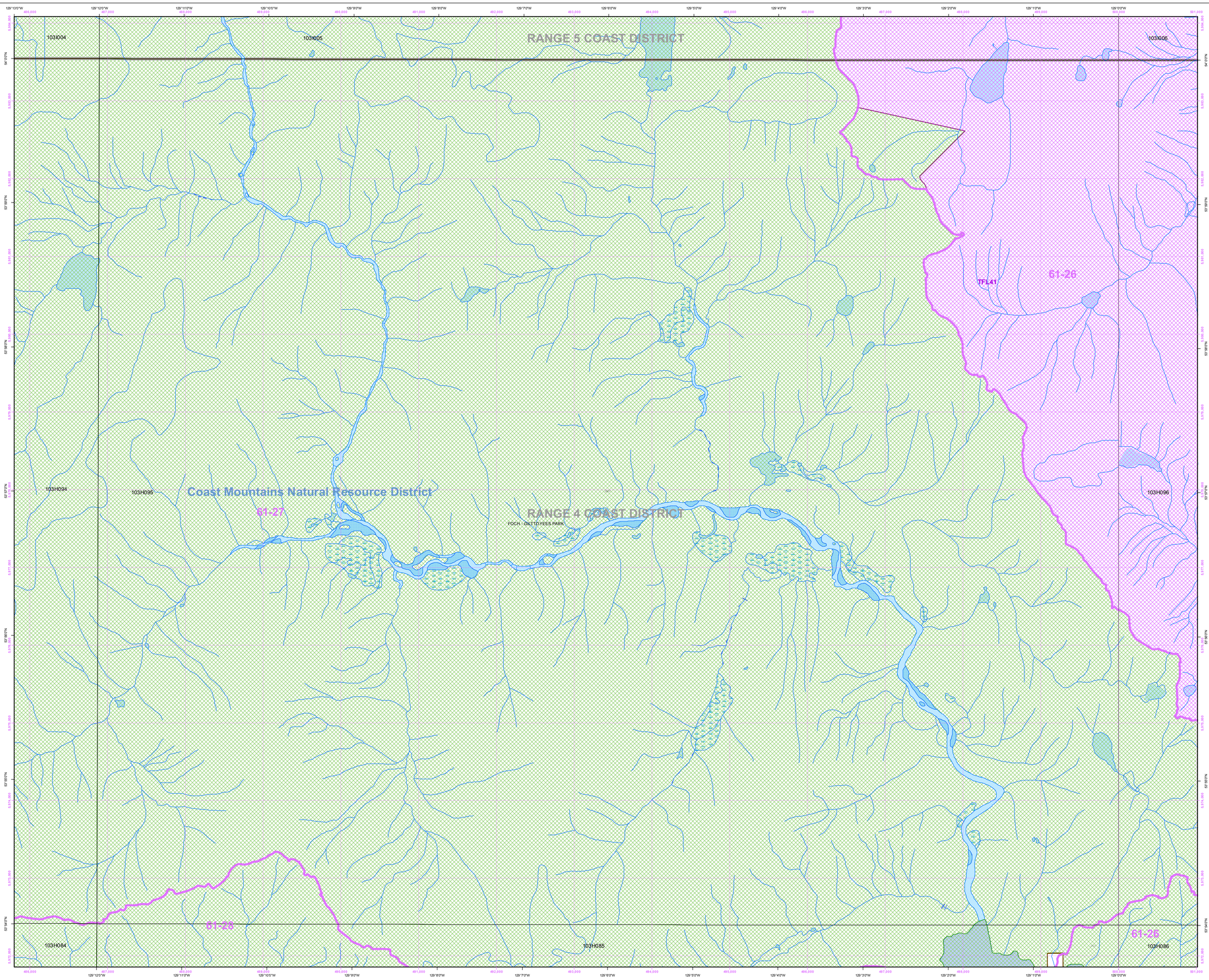
Example Opening History Details

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
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





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