103P017

Vegetation Map
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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 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 (CFS)
- Research Installations

TRIM. Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Ant/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- HydroNavBarriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

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 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:

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 (0.1-10.4m); crown closure class 1 (6-15%), SI 20m
5 Species Composition - Non-Forested Vegetation (see descriptions)
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

OXX - opening number valid for BCGS mapsheet
nnnn - 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

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
Hxw	Interior Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sawtobe Juniper
L	LARCH
La	Subalpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coast)
Py	Ponderosa Pine (yellow)
Pp	Shore Pine (coast)
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sxs	Sitka Spruce
Sxw	Spruce hybrid
Sxw	Engelmann x White
Sxl	Silka x White
Sxl	Silka x unknown hybrid
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
Act	Black Cottonwood
Ah	Hybrid Poplar
At	Trembling Aspen
R	ARBUTUS
Ra	Arbutus
E	BIRCH
Ep	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CHERRY
Kc	Cascara
V	CHERRY
Vf	Fire Cherry
Vo	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wpb	Pacific Willow (Barbby's)
Wd	Pussy Willow (grey-leaved)
Ws	Scouler's Willow
Wl	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

Ue	Apple
Ae	ASPEN, COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
Ae	BIRCH
Ep	*European Birch
Ey	Silver Birch (swamp)
Ey	*Yellow Birch
Ue	CHERRY
Vs	Sweet Cherry
Yo	CYPRESS
Yo	*Port Orford Cedar
F	FIR
Fg	*Grand Fir
Fn	Noble Fir
Fm	*Shasta Red Fir
Fc	*White Fir
L	LARCH
Ld	*Dahurian Larch
Le	*Siberian Larch
P	PINE
Pe	Box Elder
Mr	*Norway Maple
Mp	*Sycamore Maple
Q	OAK
Qr	*English Oak
Qe	*White Oak
	OTHER EXOTICS
Ox	*Incense Cedar
Ql	*Giant Sequoia
Qb	*Tanbark Oak
Qe	European Mountain Ash
Oe	Siberian Elm (southern)
Oa	*Strawberry Tree
Oo	Oregon Ash
Ow	*White Ash
Oh	*Shagbark Hickory
Cj	Tree-of-heaven
Cn	*Walnut Walnut
PINE	
Pm	*Monterey Pine
Pr	*Red Pine
Py	*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. If SI is based on the age and height of the dominant trees, When an accurate SI cannot be obtained from estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI of the dominant or co-dominant layer(s) cannot present, e.g. young stands (<30yrs), SI is denoted by a slash 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 > or = to 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, liverwrts, and hornworts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED
- el Exposed Land
- ro Rock / Rubble
- si Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mz	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lb	LAVA BED	oc	OCEAN
cb	CUTBANK	lg	LAGOON	ra	RIVER BANK
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS	sn	SNOW COVER
cb	CUTBANK	mn	OPEN PIT MINE	rs	RESERVOIR
es	EXPOSED SOILS	mo	MORAINE	r	RIVER / STREAM
gl	GLACIER				

Note: Water categories (la, oa, re, r) not labelled over 90 percent coverage.

rm	RESERVOIR MARGIN
rm	RAILWAY SURFACE
rs	RIVER SEDIMENTS
ta	TALUS SURFACE
ta	TALUS
ts	TAILINGS
ur	URBAN

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

A	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON-PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
CL	CLEARING	NPBU	NON-PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON-PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMERCIAL BRUSH
L	LAKE SHORE	R	ROCK OUTCROP	NCF	NON COMMERCIAL
M	MEADOW	S	SWAMP	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT			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.

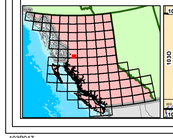
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seeding Fungal Pathogens	V	Problem Vegetation
I	Insects				

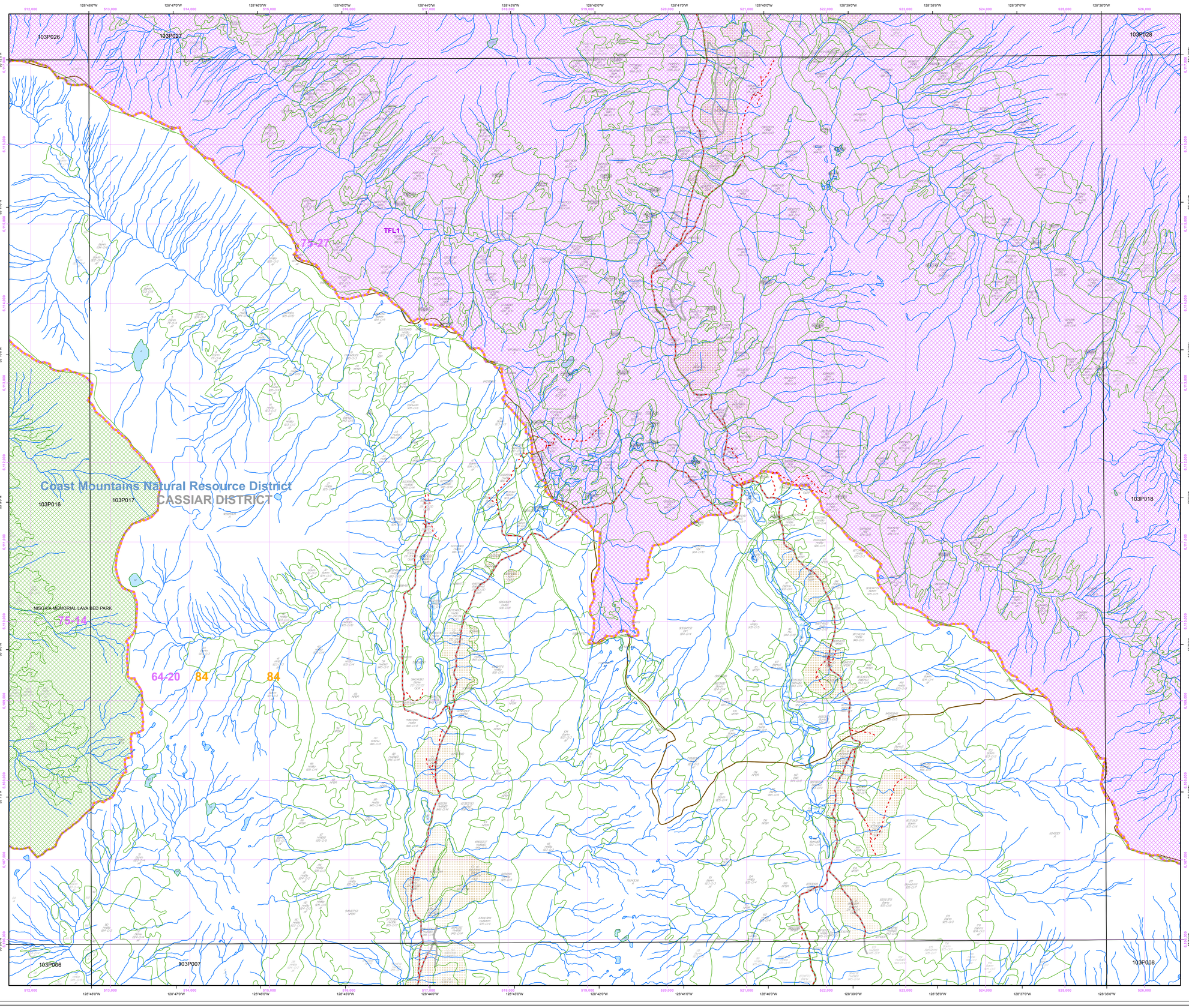
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

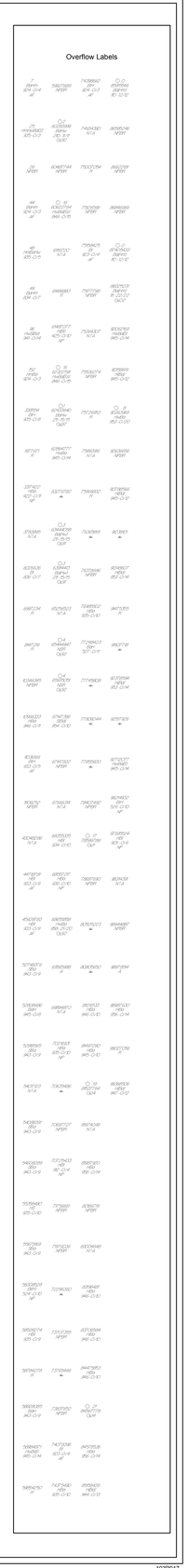
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels



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