093E080

Vegetation Map
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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 support the analytical functions of the Ministry of Forests, Lands, and Natural Resource Operations. The information displayed on this map is derived from, and up to date. Cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only. (Last revisions June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM. Base Features:
- As 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
- Hydro/Nav/Barriers - 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 boundary (< 1:250,000 ha - 15 % hatch)
- Municipal boundary (> 1:250,000 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:

0	LINE DESCRIPTION:
123	1 Silviculture symbol and Opening Number
E1	2 Polygon Number and multi-layer stand indicator (L)
Fd Hw	3 Species Composition
28 30	ex. the most important layer is described as Fd (Douglis Fir) and Hw (Western Hemlock).
90E	4 Age, Height, Crown Closure Class Code - separator. Site Index = estimated SI
30/25	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 Vegetation Cover - separator. Non-vegetated descriptors
	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

123 - opening number valid for BCGS mapsheet
2029 - 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

Cw	Western Red Cedar
Y	CYPRESS
Yc	Nootka Cypress
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)
Bi	Subalpine Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Western Hemlock Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (Interior)
Plx	Lodgepole x Jack Pine hybrid
Pli	Shore Pine (Inland)
Pli	Shore Pine (coast)
Pw	Western White Pine
Pxj	Jack Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Hybrid Spruce
Sxe	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Ac	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
Ae	Trembling Aspen
E	ARBUTUS
Em	Arbutus
Ep	Paper Birch
Epl	Alaska x Paper Birch hybrid
Ew	Alaska Birch (white)
Ew	Water Birch
K	CASCARA
G	CHERRY
V	Bitter Cherry
Vc	Choke Cherry
Vu	Pin Cherry
H	DOGWOOD
Hn	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
Wx	Peachleaf Willow (Barclay's)
Wd	Pussy Willow (grey-leaved)
Wg	Scouler's Willow
Ws	Sitka Willow (red-leaved)

UNKNOWN - OTHER

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

EXOTICS

Ue	APPLE
Ux	Apple
Ae	ASPEN, COTTONWOOD or POPLAR
Ae	Northern Cottonwood
E	BIRCH
Ea	European Birch
Ey	Swedish Birch
Ey	Yellow Birch
C	CHERRY
Cv	European Cherry
Y	CYPRESS
Yp	Port Orford Cedar
L	LARCH
Lk	Tasakan Larch
Lj	Japanese Larch
M	MAPLE
Mr	Box Elder
Mr	Norway Maple
Mp	Sycamore Maple
QM	OAK
Qe	English Oak
Qr	Red Oak
	OTHER EXOTICS
Oc	Incense Cedar
Oc	Monterey Cedar
Oc	Coast Redwood
Oa	European Mountain Ash
Oa	Japanese Mountain Ash
Of	Common Pear
Og	Oregon Ash
Oh	Horse Chestnut
Ol	Shagbark Hickory
Oj	Tree-of-heaven
Ow	Japanese Walnut
PAP	
Pm	Monterey Pine
Pn	Scots Pine
Pa	Stone 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	101-120
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

Site Index is the height of the nearest metre reforenced 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

Estimated Site Index is used when no site index or permit present, e.g. young stands (<40yrs). It 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)

SP	SHRUB PAL	- shrub with average shrub height > or = to two metres.
SL	SHRUB LOW	- shrub with average shrub height < two metres.

NON-TREED HERB

he	HERB
hf	HERB - FORBS
hg	HERB - GRAMINOIDS

- herb with no distinction between forbs and graminoids.
- herb with forbs > 50% of the herb cover.
- herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID

by	BRYOIDS
bm	BRYOID - MOSS
bl	BRYOID - LICHEN

- bryoid with no distinction between mosses and lichens by cover.
- bryoid with mosses, liverworts, and hornworts > 50% of the bryoid cover.
- bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ba	BARREN	la	LAKE	mu	MUDFLAT SEDIMENT
be	BEACH	lb	LAKE BED	mv	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lk	LAVA BED	o	OCEAN
br	BRUSH	ls	SNOW/ICE	r	RESERVOIR
bu	BURNED AREA	lv	POND or LAKE SEDIMENTS	sn	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	s	RESERVOIR
gl	GLACIER/ICEFIELDS	mw	MORAINE	st	SEDIMENT STREAM
gr	GLACIER				

Note: Water categories (a, la, o, r) not labelled over 50 percent coverage.

mm	RESERVOIR MARGIN
mr	RAILWAY SURFACE
rs	RIVER SEDIMENTS
ro	ROCK OUTCROP
ta	TALUS
tl	TAILINGS
ur	URBAN

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

A	ALPINE	BP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
B	BARREN	NPBS	NON PRODUCTIVE BRUSH	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
ICE	ICEFIELD	OF	OPEN FOREST	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	MARSH	NP	NON-PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUDFLAT	S	SWAMP	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code proceeded by symbol, followed by earliest date.
The first character of disturbance type designates category, refer to official code list for sub-category descriptions.

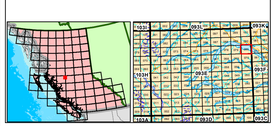
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	N	Non-Fire Damage	U	Damage Unknown
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

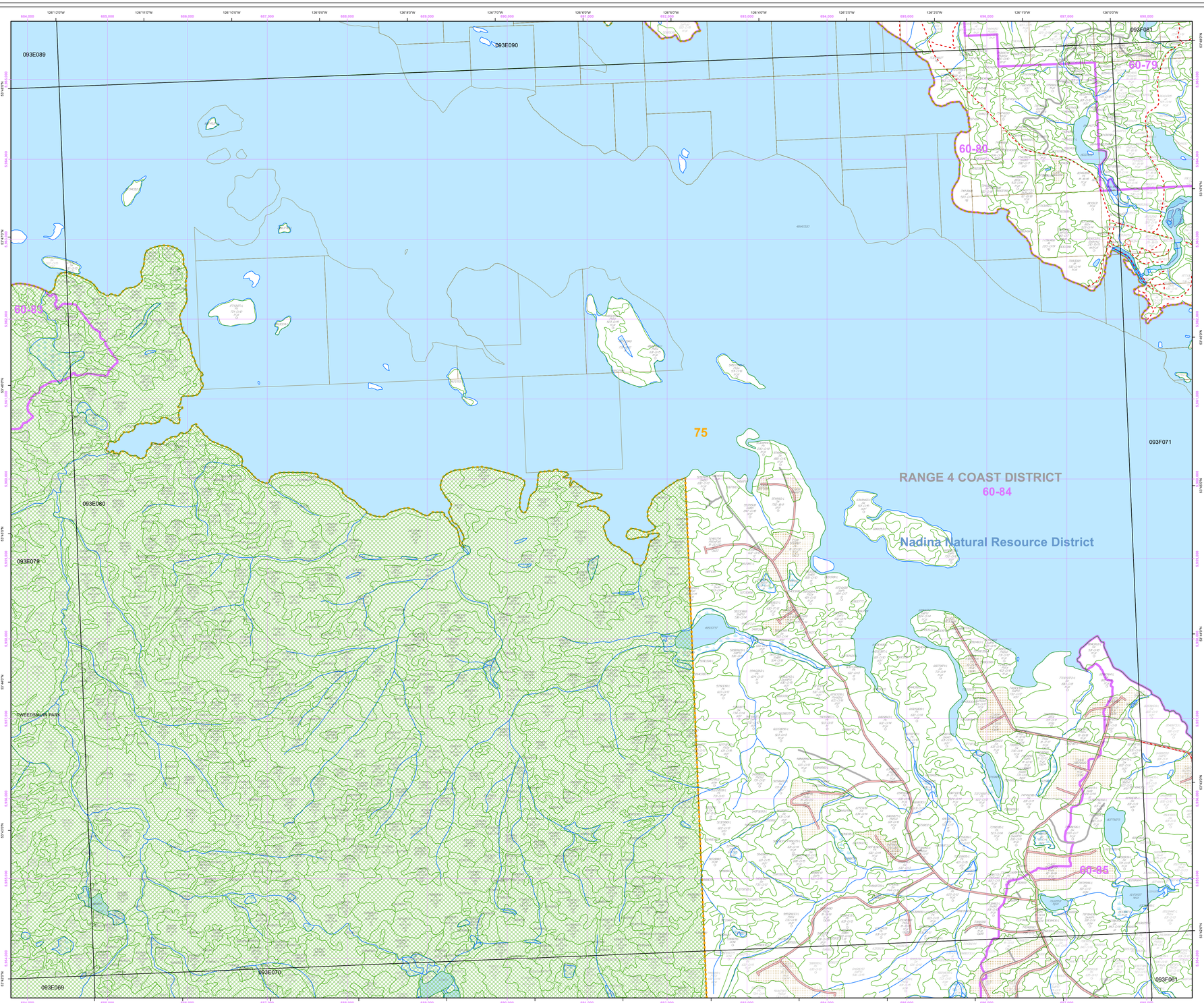
Example Opening History Details

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

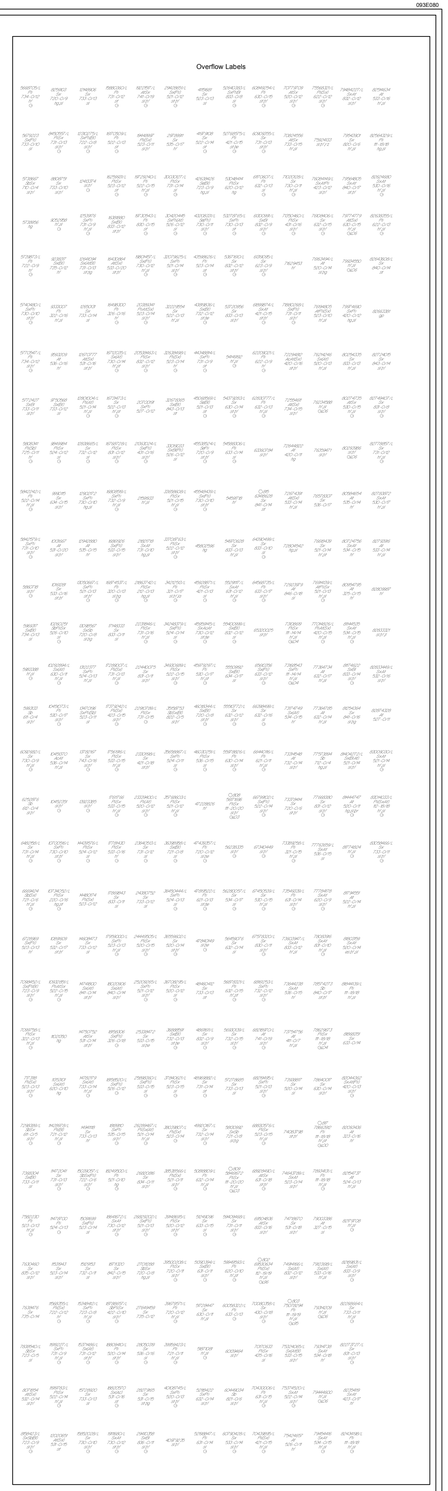
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Under the "Map Layers" tab then click on "Display Silviculture Map" to turn on display values for -

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
WILDLIFE TREE RETENTION
WILDLIFE TREE PATCH





Overflow Labels



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