Vegetation Map
093L009

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 - VRAMS / 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 facilitate the production of hard copy maps. The information on this map is subject to change and may be years postdated 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
- Structure Opening in Vegetation
- Permanent Sample Plot (OYS)
- Research Installations

TRIM. Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Airfields
- Other Area
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Barriers - ERM
- Watercourses - ERM
- Waterbodies - ERM
- Wetlands - ERM
- Ocean - ERM

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 - 10 % 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 Structure 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).
4 Age Class, Height Class, Crown Closure Class (separated by a dash)
ex. stand is age class 2 (21-40 yrs), height class 3 (6.1-10.4m), crown closure class 1 (6-10%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex. a forb 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

CXP - opening number valid for BCGS mapsheet PXXP - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRAMS 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

The following common 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 dataset January 2009.

NATIVE CONIFERS
Cw CEDAR
Cwr Western Red Cedar
Y CYPRESS
Yc Cypress
F DOUGLAS FIR
Fd Douglas Fir
Fdc Coastal Douglas Fir
Fdi Interior Douglas Fir
Ea Engelmann Fir
Ba Amabalis Fir
Bg Grand Fir
Bl Subalpine Fir (alpine)
H HEMLOCK
Hm Mountain Hemlock
Hw Western Hemlock
Hwk Western x Western Hemlock hybrid
J JUNIPER
Ju Rocky Mt. Juniper
Js Seaside Juniper
L LARCH
Lt Tamarack
Lw Western Larch
P PINE
Pj Jack Pine
Pl Lodgepole Pine
Plc Lodgepole Pine (interior)
Pli Lodgepole x Jack Pine hybrid
Plp Lodgepole Pine (coastal)
Pla Alpine Pine (pine)
Pw Western White Pine
Pa Whitebark Pine
Pp Ponderosa Pine
Sb Black Spruce
Se Engelmann Spruce
Sw White Spruce
Sx Spruce hybrid
Sxw Hybrid White
Sxl Sitka x White
Sxs Sitka x unknown hybrid
Ss Sitka Spruce
Te Western Yew

NATIVE HARDWOODS
D ALDER
Dr Red Alder
E APPLE
Up Pacific Crab Apple
A COTTONWOOD or POPLAR
At Poplar
Ab Balsam Poplar
Ac Black Cottonwood
Ax Hybrid Poplars
At Trembling Aspen
Ew ASH
Ov Arbutus
Ep Paper Birch
Ea Alaska Paper Birch
Ew Paper x Western Birch hybrid
Ep Paper Birch (white)
Ew Water Birch
K CASCARA
C Cottonwood
V CHERRY
Vb Bitter Cherry
Vc Choke Cherry
Vp Pin Cherry
Vu Cherry Plum
Dr Pacific Dogwood (western flowering)
M MAPLE
Mb Bigleaf Maple (broadleaf)
Mv Vine Maple
O OAK
Or Garry Oak
Ob Bur Oak
W WILLOW
Wb Black Willow
Wp Pacific Willow
Wr Pacific x Black Willow (Barclay's)
Wif Pussy Willow (grey-leaved)
Wis Scouler's Willow
Wy Yellow Willow (banded)

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

EXOTICS
APPLE
Ap APPLE
ASPEN, COTTONWOOD or POPLAR
Ad Southern Cottonwood
Ae Aspen
Ea European Birch
Es Silver Birch (swamp)
Fd ASH (Ornamental)
CHERRY
Vs Sweet Cherry
Vt Yoshino
Yo Hinoki Gilded Cedar
Y CYPRESS
Bb Baldcedar Fir
Bp Noble Fir
Bn Nikko Red Fir
Bc White Fir
L LARCH
Ld Dahurian Larch
Lk Siberian Larch
Lp Japanese
Mb Box Elder
Mn Norway Maple
Mh Japanese Maple (tree)
OAK
Qe English Oak
Qn Nuttall's Oak
OTHER EXOTICS
Oc Incense Cedar
Ol Oleaster (olive)
Ot Cloak Redwood
Oi European Mountain Ash
Oj Japanese Cedar(Redfir)
Op Common Pear
Oq Oregon Ash
Os Sycamore
Ot Straubbark Hickory
Ow Japanese Walnut
PINE
Pn Nonderosa Pine
Pr Red Pine
Pw Swiss 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	141-200
9	201 +

4b. HEIGHT CLASS

CODE	LIMITS (metres)
1	0.1 - 10.4
2	10.5 - 16.4
3	16.5 - 19.4
4	20.5 - 27.4
5	27.5 - 40.4
6	40.5 - 55.4
7	55.5 - 84.4
8	85.5 +

4c. CROWN CLOSURE CLASS

CODE	LIMITS (percentage)
0	0 - 5
1	6 - 10
2	11 - 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. SI is based on the age and height of the dominant and co-dominant trees. Site Index Curves (Site Tree Method) age and height, estimated SI is shown after or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when available SI trees cannot present, e.g. young stands (<100yr). It's denoted by a dash which always precedes the estimated SI. Site Index Curves (site tree/ecy) Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I records)

NON-SHRUBS
sc SHRUB SMALL - shrub with average shrub height < or = to 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
bo BRYOID - MOSS - bryoid with no distinction between mosses and lichens by cover.
bm BRYOID - MOSS - bryoid with mosses, liverwort, and hornwort > 50% of the bryoid cover.
bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
el Exposed Land
ro Rock / Rubble
sn Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
bd	BUILDING	h	HOUSE	ns	NATURAL SALT SPRUCE	rs	RESERVOIR SPRUCE
bf	BLOCKFIELD	la	LAKA BED	oc	OCEAN	rv	RIVER SEDIMENTS
br	BEDROCK	ll	LANDING	of	OTHER	rd	ROAD SURFACE
cl	CLIFF/CRAGS	ls	LANDSLIDE SEDIMENTS	oi	OTHER COVER	sa	SAND
cb	CUTBANK	op	OPEN PIT MINE	re	RESERVOIR	tailings	TAILINGS
ep	EXPOSED SOILS	mr	MORAINE	r	RIVER / STREAM	u	URBAN

Note: Water categories (la, oc, re, r) not labelled over 99 percent coverage.

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

AF	ALPINE FOREST	NPBR	NON-PRODUCTIVE BRUSH	SAND	SAND
AF	ALPINE FOREST (Species	NPBS	NON-PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN	U	URBAN
C	CULTIVATED (Species	NPBU	NON-PRODUCTIVE BURN (Species		
G	GRAVEL BAR	N/A	NOT TYPING AVAILABLE	NC	NON COMMERCIAL
GB	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
M	MEADOW	S	SHRUB	NCBU	NON COMMERCIAL BURN
M	MEADOW	S	SHOCK	NSR	NOT SUPPORTED/TY RESTOCKED
MF	MUDFLAT	S	SWAMP	N/TA	NOT 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.

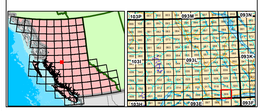
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Defoliators	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

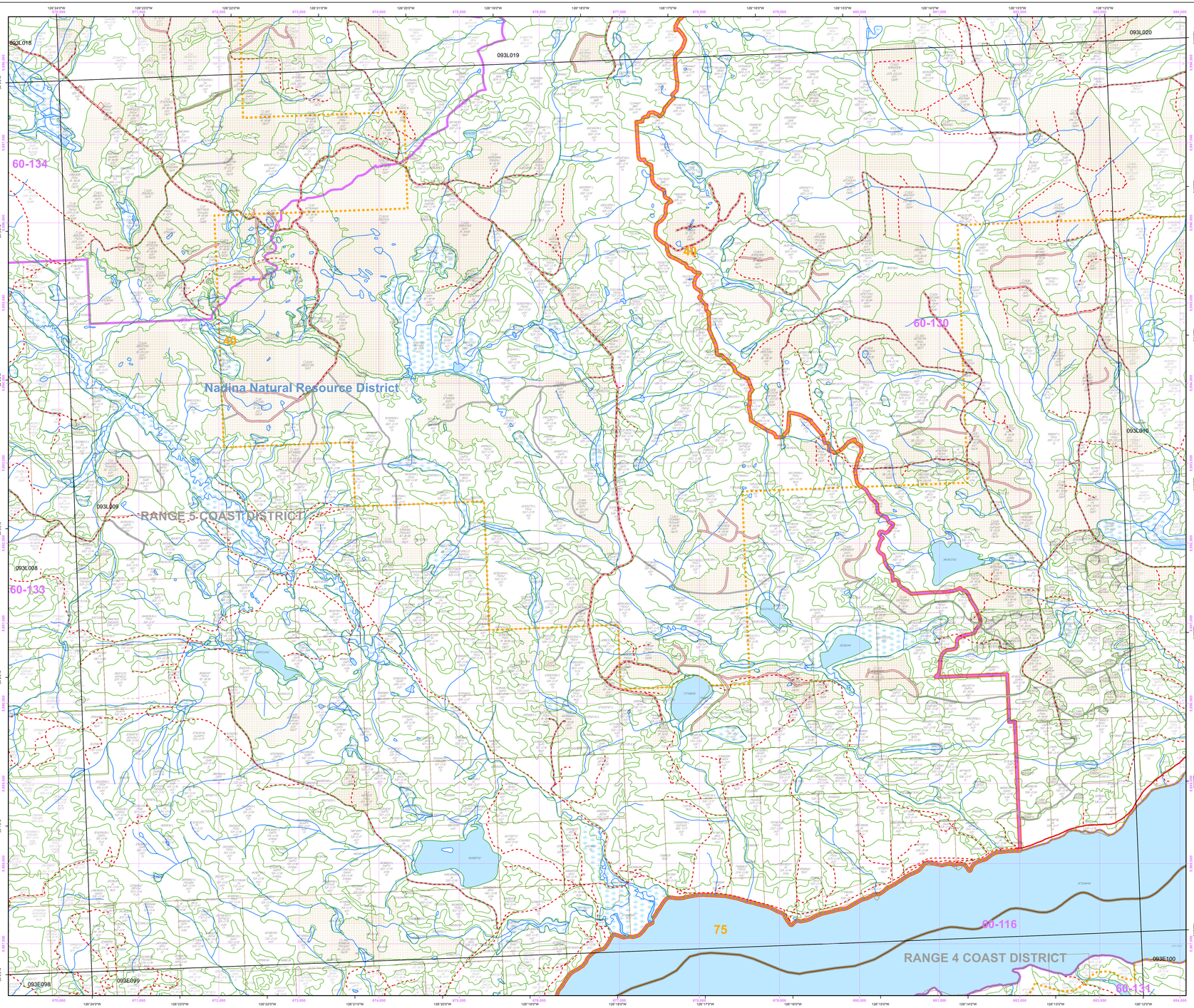
Example Opening History Details

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

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

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





Overflow Labels