093L095

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 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
- Structure Opening in Vegetation
- Permanent Sample Plot (GY3)
- Research Installations

TRIM. Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Fields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofix/Barriers - 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 - 16 % 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: a 227-40 yrs, 227-40 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: 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

nnn - 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
A, : 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	CEDAR
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)
H	HEMLOCK
Hw	Mountain Hemlock
Hm	Western Hemlock
Hxw	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Season Juniper
K	PINE
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pc	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine hybrid
Pj	Jack Pine (Hudsonian)
Pm	Shore Pine (coastal)
Pw	Western White Pine
Px	Pine x unknown
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sk	Kluane Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	DECIDUOUS
Dr	Red Alder
U	APPLE
Ue	Pacific Crab Apple
X	ASPEN, COTTONWOOD or POPLAR
Ac	Aspen
Act	Balsam Poplar
Acf	Black Cottonwood
Ah	Hybrid Poplar
At	Trembling Aspen
R	ARBUTUS
Rm	Pacific Madrone
E	BIRCH
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vm	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
Wa	Peachleaf Willow (Bebb's)
Ww	Pussy Willow (gray-leaved)
Ws	Scouler's Willow
Wr	Sitka Willow (tea-leaved)

UNKNOWN / OTHER

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

EXOTICS

Ue	APPLE
Ax	ASPEN, COTTONWOOD or POPLAR
Ad	Southern Cottonwood
E	BIRCH
Ea	Alaskan Birch
Ey	Silver Birch (swamp)
Ey	Yellow Birch
V	CHERRY
Vs	Sweet Cherry
Y	CYPRESS
Yn	Nootka False Cedar
F	FIR (Balsam)
Bp	Balkan Fir
Bs	Noble Fir
Bm	Shasta Red Fir
Bv	Veitch Fir
L	LARCH
Ld	Dahurian Larch
Le	Siberian Larch
M	MAPLE
Mr	Red Maple
Mn	Norway Maple
Mi	Sycamore Maple
Q	OAK
Qe	"English Oak
Qr	"Red Oak
O	OTHER EXOTICS
Oa	"Incense Cedar
Oc	"Coast Redwood
Od	"Coast Redwood
Oe	European Mountain Ash
Oj	Japanese Maple(tree)
Ol	Common Pear
Og	Oregon Ash
Oh	"White Ash
Ot	"Shagbarck Hickory
Oi	"Black Walnut
Oj	Japanese Walnut
P	PINE
Pm	"Monterey Pine
Pr	"Red Pine
Ps	"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	141-160
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. 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 a reference line SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees cannot present, e.g. young stands (<30yrs). 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)

NON-TREED SHRUB
- sa SHRUB TALL - shrub with average shrub height > six > to two metres.
- si SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- ha 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 gaminoids > 50% of the herb cover.

NON-TREED BRYOID
- ba BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverworts, and hornwarts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT
bi	BEACH	la	LAKE
be	BEDFIELD	lb	LOGGED
bl	BEDROCK	ll	LANDING
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS
cb	CUTBANK	mi	MINE - OTHER
ea	EXPOSED SOILS	mn	MORAINE
gl	GLACIER	mu	MUDFLAT SEDIMENT
		ry	RUBBLY MINE SPOILS
		sn	SNOW
		st	OTHER
		pn	SNOW COVER
		ta	TAILINGS
		r	RIVER / STREAM
		rm	RESERVOIR MARGIN
		rm	RAILWAY SURFACE
		rs	RIVER SEDIMENTS
		rz	ROAD SURFACE
		tl	TALUS
		ur	UNKNOWS
		uf	URBAN

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

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLEARING	NPF	NON PRODUCTIVE FOREST /Species
G	GRAVEL BAR	NTA	NOTYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
L	LOGGED	R	ROCKBLUFF
M	MEADOW	S	SWAMP
MUD	MUD FLAT		

SAND	SAND
TIDE	TIDAL FLAT
U	URBAN
W	WATER
WC	NON COMMERCIAL
NCBR	NON COMMERCIAL BRUSH
NSR	NOT SURVEYED
NSR	NOT IMPORTANTLY RESTOCKED
NTA	NOTYPING AVAILABLE

Line 6 - Disturbance History

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

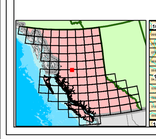
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

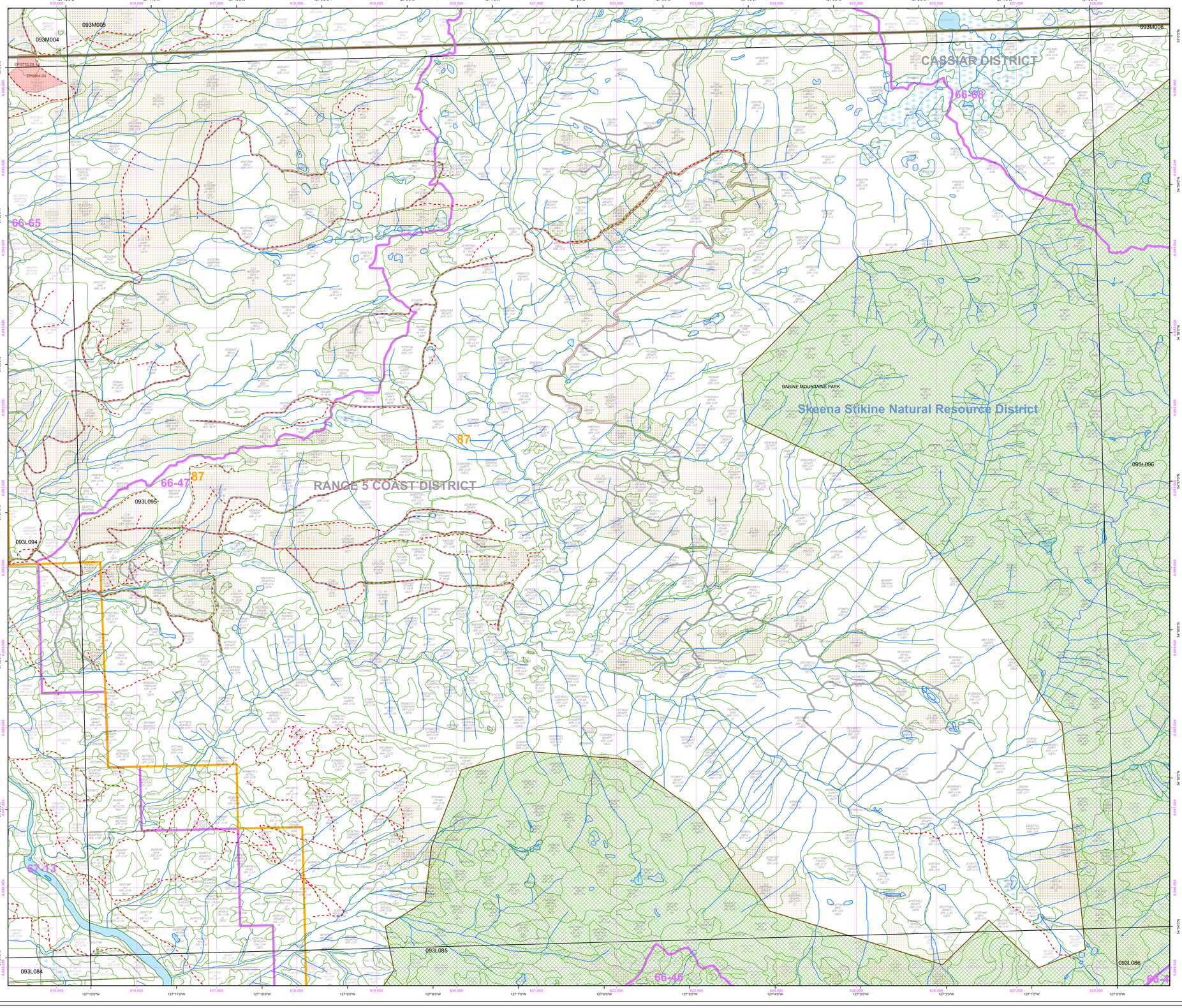
Example Opening History Details

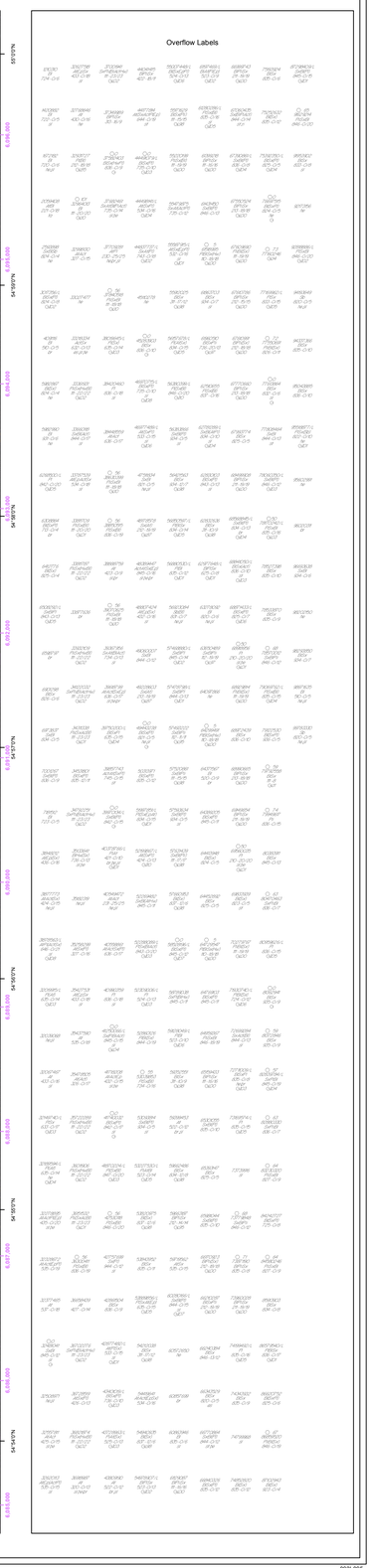
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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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