Vegetation Map
092H017

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 - VRIM3 / Ownership
Base Map Source: TRIM / Terrain

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to display information at a scale of 1:20,000 and is not suitable for use at other scales. Some of the information may be 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 (1015)
- Research Installations

TRIM, Base Features:
- 4x Built Roads
- Forest Tenure Road Line
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airfields/ac
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofile/Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RAV 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 (1:1,000,000 ha - 10 % halo)
- Municipal boundary (1:1,000,000 ha) - no halo)
- 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
CUT	1 Silviculture symbol and Opening Number
Fdi	2 Polygon Number and Multi-layer stand indicator (L)
Cw	3 Species Composition
Hw	ex. the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
4	4 Age Class and Height Class (Site Index Class for Managed Stands)
5	ex. stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-10%), SI 20m
BLNE	5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
CUT05	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:

CUT - opening number valid for BCGS mapsheet

DUPP - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer:

VRIM3 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

Ac	Western Red Cedar
Y	CYPRESS
Ba	Balsam Fir
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Bg	Grand Fir
Bl	Subalpine Fir (Alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwm	Mountain x Western hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
La	LARCH
Lal	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodge Pole
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole x Jack Pine hybrid
Pm	Mountain Pine (Alpine)
Pa	Shore Pine (coastal)
Pp	Ponderosa Pine
Pw	Whitebark Pine
Py	Yellow Pine
Sb	Black Spruce
Se	Engelmann Spruce
Sw	Western Spruce
Sx	White Spruce
Sxs	Spruce hybrid
Sxw	Hybrid White Spruce
Sxl	Sitka x White
Sxl	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

A	ALDER
At	Alder (Red)
U	APPLE
Ua	APPLE (Crab Apple)
Ac	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Poplar
Ae	Aspen Hybrid
Ab	Black Cottonwood
Ax	hybrid Poplars
Ap	Balsam Poplar
E	ARBUTUS
B	BIRCH
Bp	Paper Birch
Bpl	Birch x Paper Birch hybrid
Ba	Paper Birch (white)
Bg	Gray Birch
K	CASCARA
Kc	Cascara
D	DOGWOOD
Vb	Bitter Cherry
Vc	Choke Cherry
Vv	Pin Cherry
G	GOOSEBERRY
Gs	Gooseberry (spined-western flowering)
M	MAPLE
Mb	Broad Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wr	Peachleaf Willow (Bentley's)
Wy	Pacific Willow (Scouler's)
Ws	Scouler's Willow
Wx	Hybrid Willow (unknown parent)

UNKNOWN - OTHER

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

EXOTICS

AP	APPLE
Ap	Apple
AC	ASPEN, COTTONWOOD or POPLAR
Ap	Lombardy Poplar
BR	BIRCH
Ea	European Birch
Ep	Purple Birch (Swamp)
Yb	Yellow Birch
CH	CHERRY
Ch	Mahaleb Cherry
CY	CYPRESS
Mr	Monterey Cedar
FI	FIR (Balsam)
Bn	Nobel Fir
Bm	Noble Fir
Bm	Shasta Red Fir
LA	LARCH
LW	LARCH
Ld	Dahurian Larch
Lk	Japanese Larch
MA	MAPLE
Mr	Red Maple
Mp	Pennsylvania Maple
OA	OAK
Qe	English Oak
Qr	Red Oak
OT	OTHER EXOTICS
Ce	Incense Cedar
Cn	Deodar Cedar
Cl	Cedar (Atlantic)
Cp	European Mountain Ash
Ca	Common Mountain Ash
Cr	Common Pear
Ct	Cut-leaf Birch
Cw	White Ash
Cs	Common Hackberry
Ch	Tree-of-Heaven
Ck	Japanese Walnut
Cy	Elm
Pn	Nonderosa Pine
Pc	Stone Pine
Pn	Pinaster
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 - 10
2	11 - 20
3	21 - 30
4	31 - 40
5	41 - 50
6	51 - 60
7	61 - 70
8	71 - 80
9	81 - 100

4d SITE INDEX
All SI are shown to the nearest metre referenced at 50 years breast height age. Site index curves are based on the species leading species. When an accurate SI cannot be obtained from a leading species, the age/height estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees cannot present, e.g. Immature stands. SI estimates are based on local knowledge and predictive SI. 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 record=):

NON TREED SHRUB
- d SHRUB TALL - shrub with average shrub height > or = to two metres.
- s 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
- b 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 CATEGORIES (for V and I record=):

aa	AIRPORT	gr	GRAVEL PIT
ac	CLEARING	l	LAKE
b	BOULDERFIELD	lg	LAKE BED
bl	BLUFF	m	MUD FLAT
bu	BURNED AREA	n	POND or LAKE SEDIMENTS
cb	CLIFF/BANK	o	OCEAN/SEA
ea	EXPOSED SOILS	rk	ROCK
gl	GLACIER		

mu	MUDFLAT SEDIMENT	rm	RESERVOIR MINOR
oa	OCEAN/SEA MINE SPACE	rr	RESERVOIR MAJOR
oi	OCEAN	s	SNOW BANKS
p	POND	sl	SNOW & GLACIERS
pn	SNOW COVER	tk	TALUS
r	RIVER/STREAM	w	WATER
re	RIVER / STREAM	z	URBAN

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

NON FOREST / NON PRODUCTIVE DESCRIPTOR CODES (for I record=):

A	ALPINE	NP	NON PRODUCTIVE
BRUSH	BRUSH FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLEARING	NPBUSH	NON PRODUCTIVE (Species
G	GRASS, BAR	NVA	NO TYPING AVAILABLE
GB	GRASS/BAR	P	NON PRODUCTIVE
GS	ESPEAK	PA	NOT VEGETATED
M	MEADOW	R	ROCK
MEA	MEADOW	SNOW	SNOWPP

SAND	SAND		
SF	SILT FLAT		
URBAN	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NPR	NON PRODUCTIVE		
NSR	NOT SUFFICIENTLY RESTOCKED		
NTA	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
B	Birds	M	Wild Damage
C	Cone and Seed Insects	N	Non-Disturbance Injuries
D	Diseases	O	Cone and Seeding Fungal Pathogens
E	Insects		

R	Site Rehabilitation		
T	Treatment Injuries		
U	Unknown Injuries		
V	Problem Vegetation		

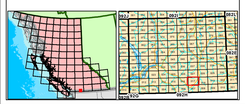
Example Opening History Details

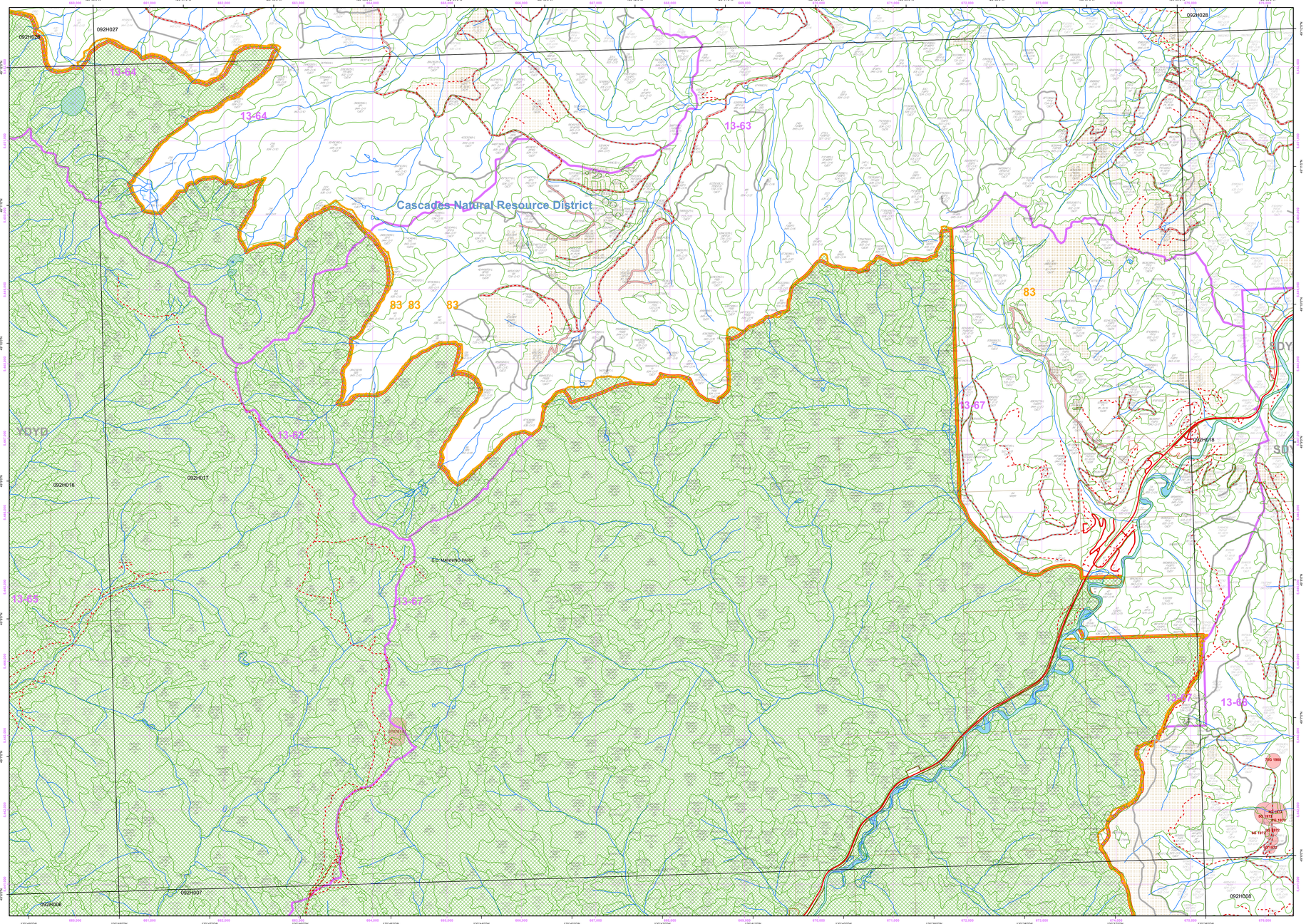
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of the newest RESULTS data.

The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Under "Map Layers" select "Forest Cover Inventory Silviculture Map" to turn on display values for:

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






092H027
092H028
092H026
092H018
092H017
092H007
092H008
13-64
13-63
13-67
83
Cascades Natural Resource District
Ts'Mawoo Park
XDYD
SDY
SDV
SDU
SDW
Pond
MS 1999
MS 1972
MS 1972
MS 1972