Vegetation Map
093K020

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
- Stricutre Opening in Vegetation
- Permanent Sample Plot (SYS)
- Research Installations

TRIM, Base Features:
- Ax Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Frames
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroelectbarriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- Bec 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) - no 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
4 Age, Height, Crown Closure Class for each layer is described as Fd (Douglis Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separated by a dash. Site Index - estimated (E)
ex. Island is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Description)
ex. a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
6 Disturbance History & year - ex. Logged in 1979

Line 1 - History Record Opening Number
nnn - opening number valid for BC GS mapsheet ZZZ# - 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
Y	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Bg	Grand Fir
Ba	Amabilis Fir
Bl	Subalpine Fir
Bla	Subalpine Fir (alpine)
H	HEMLOCK
Hw	Western Hemlock
Hwi	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
Hm	Mountain Hemlock
P	Rocky Mtn. Juniper
Jr	Sawtooth Juniper
J	Juniper
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plu	Lodgepole x Jack Pine hybrid
Pj	Jack Pine (Hybrid)
Pa	Alpine Pine (dwarf)
Pw	Western White Pine
Pf	Limber Pine
S	SPRUCE
Sb	Black Spruce
Sbi	Black Spruce (Interior)
Se	Sitka Spruce
Sw	White Spruce
Sx	Hybrid Spruce
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
YEW	
Tw	Western Yew

NATIVE HARDWOODS

D	DECIDUOUS
D	Non-Specific
U	APPLE
Ac	Pacific Crab-Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Act	Black Cottonwood
Ax	Hybrid Poplars
At	Trembling Aspen
B	BIRCH
Ep	Alaska Paper Birch
Ep	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
C	CASCARA
Kc	Cascara
C	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vm	Black Cherry
D	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Vv	Vine Maple
O	OAK
Gb	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Booth's)
Wsl	Pussy Willow (gray-leaved)
Wy	Scouler's Willow
Wl	Sitka Willow (tall-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	Common Alder
Au	ASPEN, COTTONWOOD or POPLAR
Ab	Balsam Poplar
Ae	European Aspen
Ap	Black Cottonwood
Ax	Hybrid Poplars
Ay	Trembling Aspen
Be	BIRCH
Ep	European Birch
Ew	Water Birch (swamp)
Ey	Yellow Birch
C	CHERRY
Vm	Black Cherry
CYPRESS	
Yp	Port Orford Cedar
L	LARCH
Ld	Daharian Larch
Ls	Siberian Larch
MAPLE	
Mr	Box Elder
Mn	Norway Maple
Mp	Sycamore Maple
OAK	
Qg	English Oak
Qw	White Oak
OTHER EXOTICS	
Ag	Black Locust
Ch	Horse Chestnut
Ow	European Mountain Ash
Ob	Showy Mtn. Ash (Ruburn)
Of	Common Pear
Og	Oregon Ash
Ol	Russian Olive
Cl	Tchaikovsky Hickory
Cj	Tree-of-heaven
Ww	Japanese Walnut
PINE	
Pm	Monterey Pine
Pn	Austrian Pine
Ps	Sugar 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
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.
Site Index is a measure of site productivity. It is defined as "average dominant height of 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
SI is estimated when suitable SI trees cannot present, e.g. Immature stands, or stands with no trees present. Estimated SI is shown in brackets if Associated Note 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 FREED SHRUB
- st SHRUB TALL : shrub with average shrub height > or = to two metres.
- sm SHRUB MEDIUM : shrub with average shrub height < two metres.

NON FREED 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 FREED BRYOID
- by BRYOIDS : 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
- el Exposed Land
- ss Snow Slide
- w Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)
- be BEACH
- w BLOCKFIELD
- bu BURNED AREA
- bs BURNED AREA
- es EXPOSED SOILS
- gl GLACIER
- ms MUDFLAT SEDIMENT
- mv RUBBLE MINE SPOILS
- od OCEAN
- ol OVERFLOW
- sc SNOW COVER
- sw SWAMP
- ri RIVER / STREAM
- rm RESERVOIR MARGIN
- rw RAILWAY SURFACE
- ro ROAD SURFACES
- rs ROAD SURFACE
- sl SALINE
- ta TALUS
- ur URBAN

Note: Water categories (la, ls, ra, ri) not labelled over 50 percent coverage.

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

AF	ALPINE FOREST	SAND	SAND
AFO	ALPINE FOREST Opacies	TIDE	TIDAL FLAT
C	CULTIVATED	U	URBAN
CL	CLEARING		
G	GRAVEL BAR	NCBR	NON COMMERCIAL BRUSH
GR	GRAVEL PIT	NCBRO	NON COMMERCIAL BRUSH Opacies
M	MEADOW	NOR	NOT ECOLOGICALLY RESTOCKED
MUD	MUD FLAT	NTA	NO TYPING AVAILABLE
N	NEEDLE ICE		
OR	OPEN RANGE		
R	ROCK		
S	SWAMP		

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.

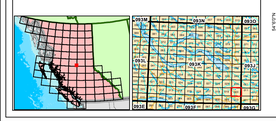
A	Animal Damage	L	Logging
B	Wildfire	M	Mine Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

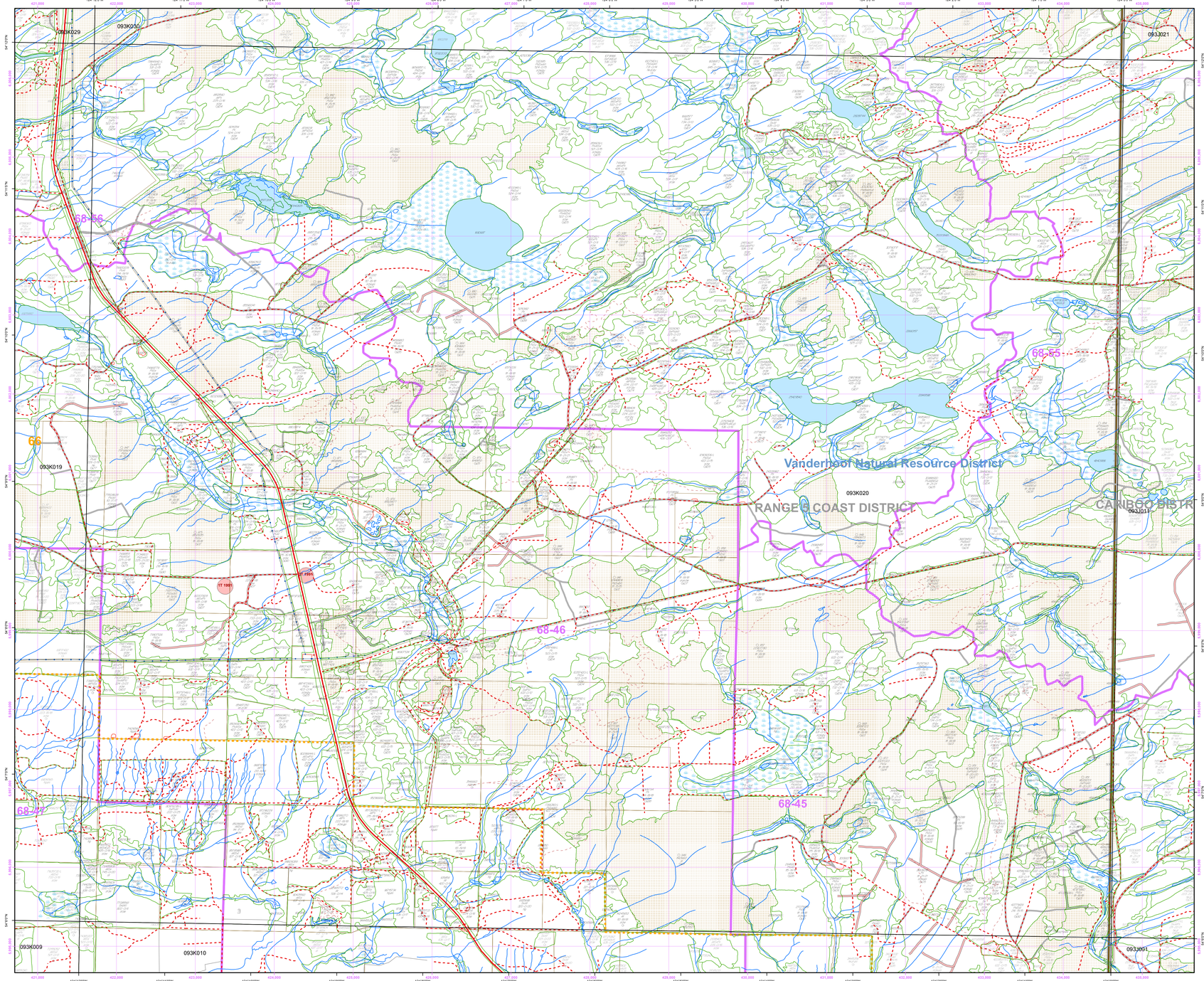
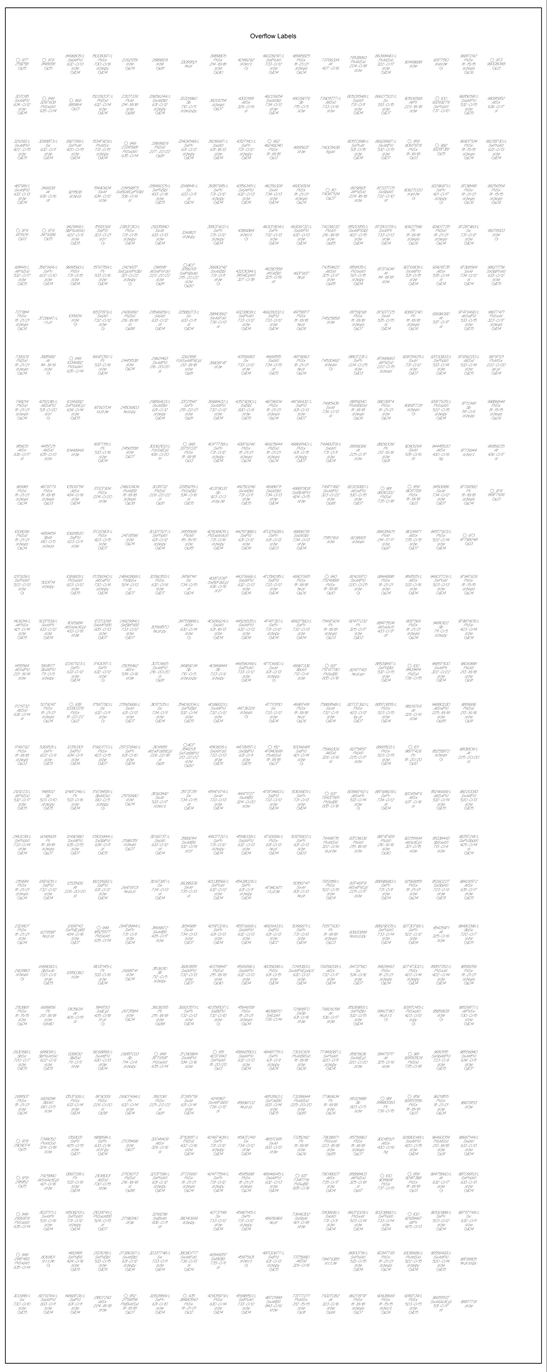
Example Opening History Details

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
OPENING - PLANTING UNIT
STAND GROUND LAYER
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels