Vegetation Map
082L013

Scale 1:20,000

1 Kilometers

0 0.25 0.5 0.75

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRIMS I - 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 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 updated quarterly. Other themes are updated twice per year.

Labels Prepared To: January 1, 2016

MAP SYMBOLOGY

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

TRIM - Base Features:
- 4x4 Trail Roads
- Forest Service Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf ields
- Orchards
- Powerlines
- Pipelines
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrodrainlines - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- Act Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Terrafile
- Numbered boundary (1:1,000,000 Ha - 10 % hatch)
- Principal boundary (1:250,000 Ha / 10 % hatch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- NTS 50k 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
4 Age, Height, Crown Closure (base cover is described as Fd (Douglas Fir) and Hw (Western Hemlock).
Age, Height, Crown Closure Class Code - separator. Site Index / estimated SI
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 Non-Vegetative Cover (base cover is described as Fd (Douglas Fir) and Hw (Western Hemlock).
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:

opening number valid for 82-025 magnified — none - 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 - Species Composition:

Species Composition Symbols 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 Codes List" version 4.5 dated January 2004.

NATIVE CONIFERS

E	ESSAM
Cw	Western Red Cedar
Ep	Engelmann Spruce
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
F	FIR (Undet.)
Fa	Amabilis Fir
Bg	Grand Fir
B	Subalpine Fir (alpine)
Bl	Balsam
Hm	Mountain Hemlock
Hw	Western Hemlock
H	Hemlock (Western Hemlock by def.)
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Savin Juniper
L	LARCH
Lw	Western Larch
Lt	Tamarack
La	Alpine Larch
P	PINE
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (Sitka x Pond)
Pj	Ponderosa Pine (white)
Pp	Ponderosa Pine (yellow)
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Hybrid Spruce
Sw	White Spruce
Sxw	Spruce White
Sxe	Engelmann x White
Sxl	Sitka x Lutzii
Sxs	Sitka x Western hybrid
Ss	Sitka
Yc	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Da	Sitka Alder
Ad	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Abp	Balsam Poplar
Act	Black Cottonwood
Ac	Trembling Aspen
Ep	Paper Birch
Ew	Swamp Birch
Ra	Alnus
Rm	Mountain Alder
Rs	Sitka Alder
Ep	Paper Birch
Erp	Alaska x Paper Birch hybrid
Ew	Water Birch (wetter)
Ep	Paper Birch
K	DOGWOOD
Kc	Cornus
V	CHERRY
Vm	Mountain
Vc	Choke Cherry
Vp	Pin Cherry
G	GOOSEBERRY
Gp	Pacific Gooseberry
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Qg	Garry Oak
W	WILLOW
Wb	Black Willow
Wp	Pacific Willow
Wr	Peachleaf Willow (Bonnet)
Wd	Pussy Willow (plus basalt)
Wh	Hooker Willow
Wl	Sitka Willow (low basalt)

UNKNOWN - OTHER

X	unknown
Xc	unknown conifer
Xh	unknown hardwood
Xs	unknown shrub (or tall hd)
Xl	other conifers
Zn	other hardwood

EXOTICS

MPLS	
Ma	Apple
Act	Balsam, COTTONWOOD or POPLAR
Ac	Southern Cottonwood
Bpn	Birch
Ep	European Birch
Erw	Erman Birch (swamp)
Ey	Yellow Birch
Ew	Water
Lp	LARCH
Lpk	Japanese Larch
Ld	Thin Grand Dahal
Lk	Japanese
Lpl	Tamarack Fir
Bp	Noble Fir
Bn	Nordmann Fir
Bc	Veitchi Fir
Lp	LARCH
Lpk	Japanese Larch
Lk	Tamarack Larch
Lpl	Tamarack
Bs	Blue Spruce
Sn	Norway Spruce
Mp	Tartarian Maple
OR	OAK
Or	Northern Oak
Ow	White Oak
OTHER EXOTICS	
Ot	Other Exotic
Ou	Ulam Sequoia
Ob	Black Locust
Dm	Eastern Mountain Ash
Ds	Showy Mountain Ash
Cs	Common Hop
Cg	Oregon Ash
Ch	Chestnut
Cr	Douglas Ash Hickory
Cl	Tree of Heaven
Ct	Black Walnut
Wal	
Pw	Monterey Pine
Pm	Mugo Pine
Pp	Ponderosa Pine
Pn	Austrian Pine
Pn	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 - 13.4
3	13.5 - 19.4
4	19.5 - 27.4
5	27.5 - 44.4
6	44.5 - 53.4
7	53.5 - 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 tallest viewed metre referenced at 50 years Breast Height Age. It is based on the age and height of the leading species. When an area as 0 cannot be obtained from age or height measurements (ie. Alpine or Hardwood) it is

4e. ESTIMATED SITE INDEX

Estimated Site Index is the site index for a similar stand present, e.g. young balsam (15/Hw). It is denoted by a dash which always precedes it. 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 pre-cr04):

NON-FOREST SHRUB

s	SHRUB - shrub with average shrub height > or = to two metres.
d	SHRUB LOW - shrub with average shrub height < two metres.

NON-FOREST HERB

h	HERB - herb with no distinction between forbs and graminoids.
g	HERB - GRAMS - herb with grass > 50% of the herb cover.
f	HERB - FORBS - herb with forbs > 50% of the herb cover.

NON-VEGETATED

n	NON-VEG - mixed with no distinction between mosses and lichens by cover.
bm	BRYOID - MOSS - mixed with mosses, liverworts, and hornworts > 50% of the bryoid cover.
bl	BRYOID - LICHEN - mixed with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I pre-cr04):

ba	BARREN	ms	MUSKEG SEGMENT
bk	ROCK	mx	MUSKEG MIXED SITES S
bl	BOULDERFIELD	p	PEATLAND
bs	SCREE	p	OTHER
bc	BLUFFS/CLIFFS	r	RIVER/STREAM COVER
bg	GLACIER	r	RIVER/RIVER
e	EXPOSED SOILS	r	RIVER / STREAM
sn	SNOW/ICE		

Note: Water categories (w, ws, w, r) not identified over 80 percent coverage.

NON-FOREST (NON-PRODUCTIVE DESCRIPTOR CODES (for F + records):

AF	ALPINE FOREST Stunted	NPBR	NON-PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN
CL	CLEARING	NPCL	NON-PRODUCTIVE CLIMATIC Species
D	DRAINED SWA	NPO	NOT FOR PRODUCTIVE USE
DY	DRY FOREST	NPR	NON-PRODUCTIVE ROCK
KR	KRUMHOLZ	P	NON P ELG
MA	MARSH	P	NON P ELG
NVG	NOT CULT		

SAND	SAND		
TEA	TIDAL FLAT		
U	URBAN		
W	WATER		
NCM	NON COMMERCIAL		
NPBS	NON PRODUCTIVE BRUSH		
NP	NON PRODUCTIVE		
NPS	NON PRODUCTIVE STOCKED		
NFA	NOT FOR PRODUCTIVE		

Line 6 - Disturbance History:

Disturbance type code preceded by symbol, followed by earliest date
For number of disturbance types assigned per category, refer to official code list for sub-category descriptions.

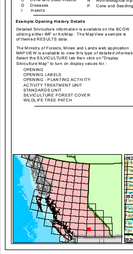
A	Animal Damage	L	Logging
B	Wildfire	N	Non-Forest Cover
C	Core and Seed Insects	N	Non-Biological Injuries
D	Diseases (seeds)	P	Core and Seedling Fungal Pathogens
S	Site Rehabilitation		
V	Vegetation Competition		
W	Weather Damage Unknown		
Y	Prunum Vegetation		

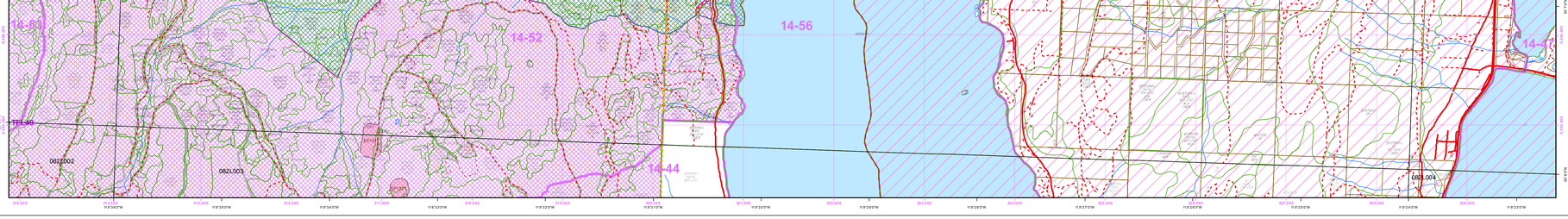
Example Opening History Details

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

The Ministry of Forests, Mines and Lands web application http://www.for.gov.bc.ca/hts/ has more detailed information. Select the 5 SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

OPENING
OPENING LABELS
SILVICULTURE TREATING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
NON-FOREST / NON-FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels