Vegetation Map
0921035

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Scale 1:20,000

0 0.25 0.5 0.75 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 contained in this map is compiled from various sources. 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 (0115)
- Research Installations

TRIM_Base Features:
- As 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
- Rock/Non-Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- MU 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 - 15 % 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 (Douglas Fir) and Hw (Western Hemlock).
4. Age Class, Height Class, Crown Closure Class, Site Index
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. Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex: a 1 ha/ha 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

OXX - opening number valid for BCGS mapsheet zXXX - 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 - SC 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 4.6 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Ty	Yellow Cedar
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Fa	Amabalis Fir
Ba	Amabalis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Western Hemlock Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Albicaulis Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine hybrid
Pj	Ponderosa Pine (yellow)
Pp	Ponderosa Pine
Pw	Western White Pine
Pyb	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sxe	Spruce hybrid
Sxw	Engelmann x White
Sxl	White x Lutz
Sxs	Sitka x unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

B	ALDER
Dr	Red Alder
Sa	Sitka Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Ep	Eastern Poplar
Act	Black Cottonwood
Ap	Balsam Poplar
Ax	Trembling Aspen
R	ARBUTUS
Ra	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Ew	Paper Birch (white) hybrid
Ep	Paper Birch (white)
Er	Red Birch
K	CASCARA
Kc	Cascara
D	DOGWOOD
Dw	Pacific Dogwood
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
C	OAK
Gb	Garry Oak
Gc	Oregon Oak
W	WILLOW
Wp	Pacific Willow
Wb	Black Cottonwood (Balsicky's)
Wr	Peach Willow (gray-leaved)
Wy	Sitka Willow
Wi	Other Willow (low-leaved)

UNKNOWN / OTHER

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

EXOTICS

AP	APPLE
AX	ASPEN, COTTONWOOD or POPLAR
Ac	Black Cottonwood
E	BIRCH
Ej	Japanese Birch
Ek	Kirtal Birch (swamp)
Ey	Yellow Birch
Ch	CHERRY
Cs	Sweet Cherry
Y	CYPRESS
Yn	Nootka Cultivated Cedar
Ylk	Alaskan Cedar)
Jb	Balkan Fir
Jn	Noble Fir
Jnn	Nikaka Red Fir
Jv	Veitch Fir
LA	LARCH
Lk	Japanese Larch
Lx	Hybrid Larch
MAPLE	
Mn	Norway Maple
Mp	Sycamore Maple
OAK	
Oe	English Oak
Or	White Oak
PINE	Other PINE SPECIES
Pc	Chinese Cember
Pg	Giant Sequoia
Pm	Monterey Pine
Pe	European Mountain Ash
Pq	Siberian Elm (southern)
Pr	Scots Pine
Pn	Oregon Ash
Pw	White Ash
Pxj	Japanese Hybrid
Q	Tree of Heaven
Qa	Tree of Heaven
PINE	
Pm	Monterey Pine
Pn	Red Pine
Py	Yunge Pine
Pp	Pitch Pine
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 (in metres)
1	0.1 - 10.4
2	10.5 - 19.4
3	19.5 - 29.4
4	29.5 - 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)
1	0-5
T	6 - 15
2	16 - 25
P	26 - 35
3	36 - 45
4	46 - 55
5	56 - 65
6	66 - 75
7	76 - 85
8	86 - 100

4d SITE INDEX

SI is estimated to the nearest metre referenced at 50 years breast height age. SI is based on the site height of the dominant trees (usually the largest diameter trees) at a given 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. young stands (<30yrs). It is denoted by a slash which always follows the SI number. Site Index Estimated Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

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

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

NON-TREED HERB
- H - 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
- bs - BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm - BRYOID - MOSSES - bryoid with mosses > 50% of the bryoid cover.
- bl - BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ac	ALPINE CLIFF	mu	MUCK/FLAT SEDIMENT
bl	BEACH	mz	MINE WASTE
bl	BLOCKFIELD	l	LAVA BED
bu	BUILT-UP	ls	LAVA FLOW
ba	BURNED AREA	s	SCREE/LAVA SEGMENTS
cb	CUTBANK	pi	OPEN PIT MINE
ds	DEBRIS/SLIDES	r	ROADBED
gl	GLACIER		

rm	RESERVOIR MARGIN	SAND	SAND
rw	RAILWAY SURFACE	TIDE	TIDAL FLAT
ri	RIVER SEGMENTS	U	URBAN
sh	SHORELINE		
Ta	TALUS		
tl	TAILINGS		
U	URBAN		

NB: Water categories (ri, la, rs, cr) not labelled over full parcel coverage.

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

A	ALPINE	NP	NON-PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
BR	BRUSH	NPBS	NON PRODUCTIVE SHRUB
CL	CLAY BANK	NPFT	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NOTHTING AVAILABLE
I	ICEFIELD	O	OPEN (WOODLAND)
ICE	ICEFIELD	P	UNPRODUCTIVE
K	KNOLL	R	ROCK
MUL	MUSKEG	S	SNOW

NC	NON COMMERCIAL		
NPBR	NON PRODUCTIVE BRUSH		
NP	NON PRODUCTIVE		
NSR	NOT SURVEYED/ RESTOCKED		
NTA	NOT THINNED/PLANTED		

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.

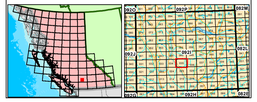
B	Biological Damage	R	Site Preparation
F	Wildfire	S	Stand Tending
C	Cone and Seed Insects	U	Damage Unknown
D	Diseases	V	Problem Vegetation
I	Insects		
L	Logging		
N	Non-Biological Injuries		
P	Cone and Seedling Fungal Pathogens		

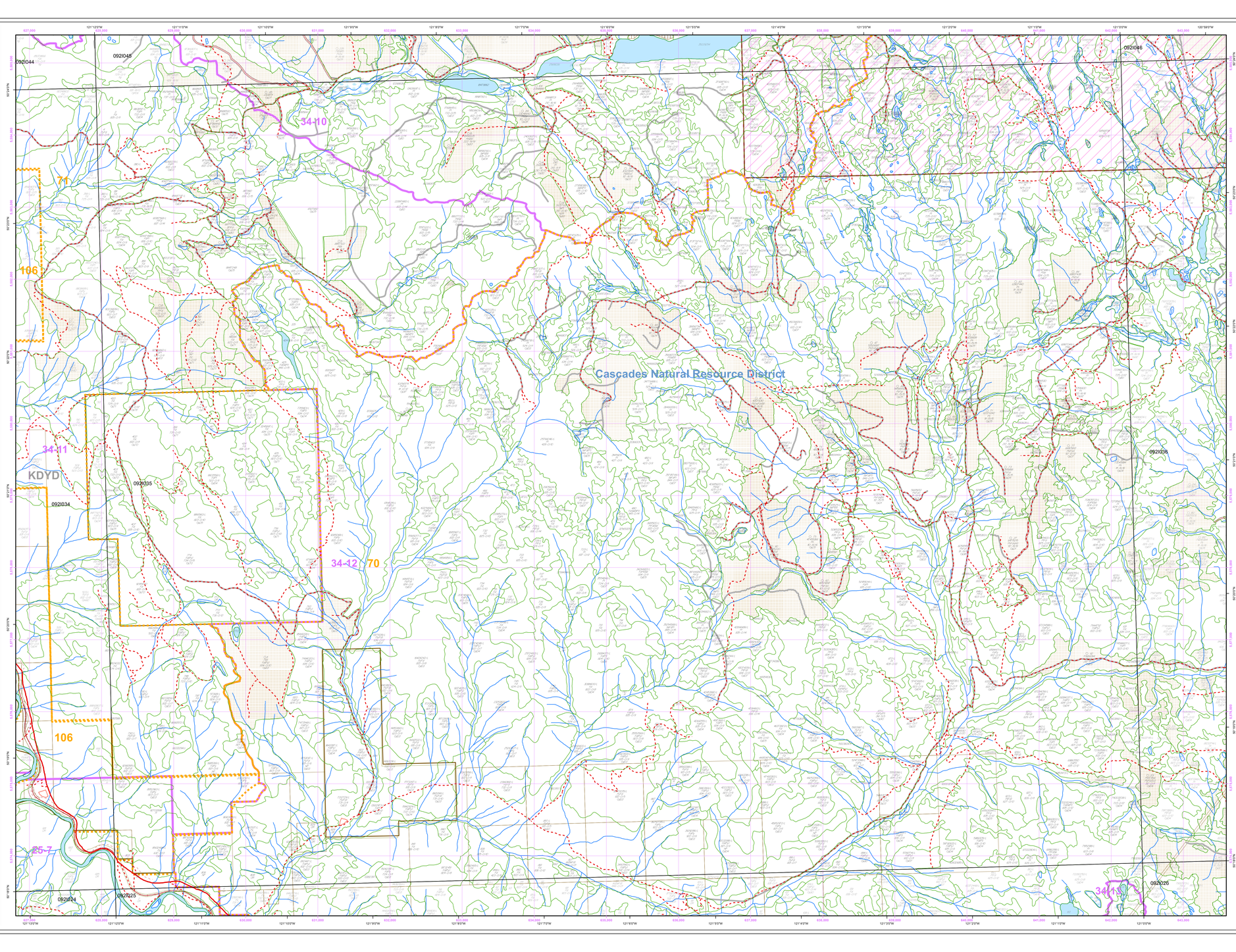
Example Opening History Details

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 ID
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
WILDLIFE TREE PATCH
FOREST COVER





Overflow Labels