Vegetation Map
092H063

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 / Terrain

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to facilitate printing on standard 8.5" x 11" paper. Some features may not be displayed at this scale and others 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 (SYS)
- Research Installations

TRIM. Base Features :
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- 4x4Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Rivers/Streams - 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 (< 1,000,000 ha - fill & hatch)
- Municipal boundary (> 1,000,000 ha) - no hatch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- BCGS Map sheet Grid (1:20,000)

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

LINE DESCRIPTION
1 Silvicultural symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (LL)
3 Species Composition
ex. the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
4 Age Class and Height Class (Site Index) for the most important layer
ex. stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 7 (6-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
6 Inventory Type Group - no distinction between forbs and graminoids, shrubs less than 2m.
7 Disturbance History & year - ex: Logged in 1979

Line 1 - History Record Opening Number:

OGR - opening number valid for BCGS mapsheet OGR# - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer:

VRIMS Polygon number - changing size from one to nine digits
Multi-layer stand indicator - if a separate description of each layer is available in the data base, (ie. 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 Codes List" version 4.0, dated January 2009.

NATIVE CONIFERS

Ba	Balsam
Cw	Western Red Cedar
Y	CYPRESS
Ep	Engelmann Spruce
F	DOUGLAS FIR
Fd	Douglas Fir
Fdi	Interior Douglas Fir
Fdc	Coastal Douglas Fir
Ag	Amabilis Fir
Bg	Amabilis Fir
Al	Subalpine Fir (alpine)
H	HEMLOCK
Hw	Western Hemlock
Hwa	Western Hemlock
Hwm	Mountain x Western Hemlock hybrid
Hm	Mountain Hemlock
J	Rocky Mtn. Juniper
Lw	Western Larch
L	LARCH
La	Subalpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Interior Pine (Unspec)
Plc	Lodgepole Pine (Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pa	Western White Pine
Pa	Whitebark Pine
Pf	Limber Pine
Ss	Black Spruce
Se	Engelmann Spruce
Sb	Black Spruce
Sw	White Spruce
S	SPRUCE
Sxe	Engelmann x White
Sxl	Hybrid Spruce
Sxw	Sitka x Lutzeiana Hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

Ac	Black Cottonwood
Ax	Red Alder
U	APPLE
Ai	Siberian Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Act	Poplar
Ae	Trembling Poplar
Ab	Black Cottonwood
Ae	Trembling Aspen
At	Trembling Aspen
Ep	Paper Birch
Ew	Alaska
E	BIRCH
Ep	Alaska Paper Birch
Ebp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Alaska
K	CASCARA
C	CRABAPPLE
Dg	Dogwood
V	Choke Cherry
Vi	Pin Cherry
Vp	Bitter Cherry
Vp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broad Mouth Moose (broadleaf)
Mv	Vine Maple
Q	Oak
Qg	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wg	Pacific Willow
Wb	Black Willow (Barclay's)
Wr	Peace Willow (grey-leaved)
Wr	Scouler's Willow
Wy	Yellow Willow (planted)

UNKNOWN - OTHER

X	UNKNOWN
Xh	unknown hardwood
Xs	unknown softwood
Z	OTHER (tree not on list)
Zs	other softwood
Zh	other hardwood

EXOTICS

Ax	ALDER
Ag	Grey Alder
At	ASPEN, COTTONWOOD or POPLAR
Ab	Balsam Cottonwood
Ae	Aspen
Ep	European Birch
Ek	Asian White (Japanese)
Ep	Yellow Birch
E	BIRCH
Ys	Sweet Cherry
Yu	Cherry
Lk	Pink (Dahurian) Larch
Lk	Pink (Dahurian)
Lx	Hybrid Larch
Lx	Larch
Bm	Blue Spruce
Mr	*Norway Maple
Mp	Amur (Ginnala) Maple
Mr	Maple
Qe	*English Oak
Qr	*Red Oak
X	OTHER EXOTICS
Oe	*Incense Cedar
Ob	*Monterey Cypress
Oc	*Lawson Retinispora
Oa	*Japanese Arch
Ob	Siberian Elm (laciniata)
Oe	*Incense Cedar
Oh	*Golden Ash
Oa	*White Ash
Ot	*Tree of Heaven/Sumac
O	*Tree of Heaven
Ow	Japanese Walnut
Ow	Walnut
Pn	*Monterey Pine
Pc	*Corsican Pine
Pp	*Sugar Pine
Ps	*Scots Pine
Sn	*Norway Spruce

Line 4

4a. AGE CLASS

CODE	AGE (YEARS)
1	1-20
2	21-40
3	41-60
4	61-80
5	81-100
6	101-120
7	121-140
8	141-200
9	201+

4b. HEIGHT CLASS

CODE	HEIGHT (METRES)
1	0.1 - 10.4
2	10.5 - 19.4
3	19.5 - 27.4
4	28.5 - 37.4
5	37.5 - 46.4
6	46.5 - 55.4
7	55.5 - 64.4
8	64.5 +

4c. CROWN CLOSURE CLASS

CODE	CC (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 expected metre advanced at 50 years breast height Age. SI is based on the age and height of the dominant trees. Site Index curves are from Thrower et al 1992. If age and height is estimated it is shown (Est.) or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated from Ecosystem Units where present, e.g. young stands (<50yrs). It is denoted by a slash which always precedes the estimated value (/20). Refer to the Inventory Type Group and SI Estimated source code.

Line 5 Vegetation records

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

NON-TREED SHRUB

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

NON-TREED HERB

he	HERB - herb with no distinction between forbs and graminoids.
hf	FORBS - herb with forbs > 50% of the herb cover.
hg	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 - LICHEN - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED

e	Exposed Land
m	Rock / Rubble
w	Snow / Ice

NON-VEGETATED CATEGORIES (for V and I mapping)

ea	AIRCRAFT	g	GRAVEL PIT	mq	MUD/FLAT SEDIMENT
be	BEACH	la	LAKE	mr	RUBBLY MINE SPOILS
bl	BOULDERFIELD	lr	LAKE BED	mt	TAILINGS
bs	BOULDERSOIL	ls	LANDSLIDE	mv	OTHER
bu	BURNED AREA	lv	POND or LAKE SEDIMENTS	pi	SNOW COVER
ea	CLEARING	m	MORAINE	rl	LAKE/RESERVOIR
es	EXPOSED SOILS	mc	MORAINE	rr	RIVER / STREAM

Note: these categories (ls, ss, w, rl) not labelled over 90 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTIONS (for I mapping)

ALPINE		NPBR	NON PRODUCTIVE BRUSH	SAND	SAND
AF	ALPINE FOREST (Species	NPBS	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
BU	BURNED	NPFO	NON PRODUCTIVE FOREST	URBAN	
CL	CLAY BANK	NPFS	NON PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GL	GLACIER	R	ROCK	NPBR	NON PRODUCTIVE BRUSH
ICE	ICEFIELD	S	SWAMP	NP	NON PRODUCTIVE
MUD	MUD FLAT	S	SNOW	NSR	NOT SUFFICIENTLY RESTOCKED
				NTR	NOT TYPED/UNCLASSIFIED

Line 6 - Disturbance History

Disturbance history is recorded by symbol, followed by earliest date
Third 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	Disease	P	Cone and Seedling Fungal Pathogens
I	Insects		
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

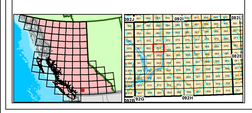
Example Opening History Details

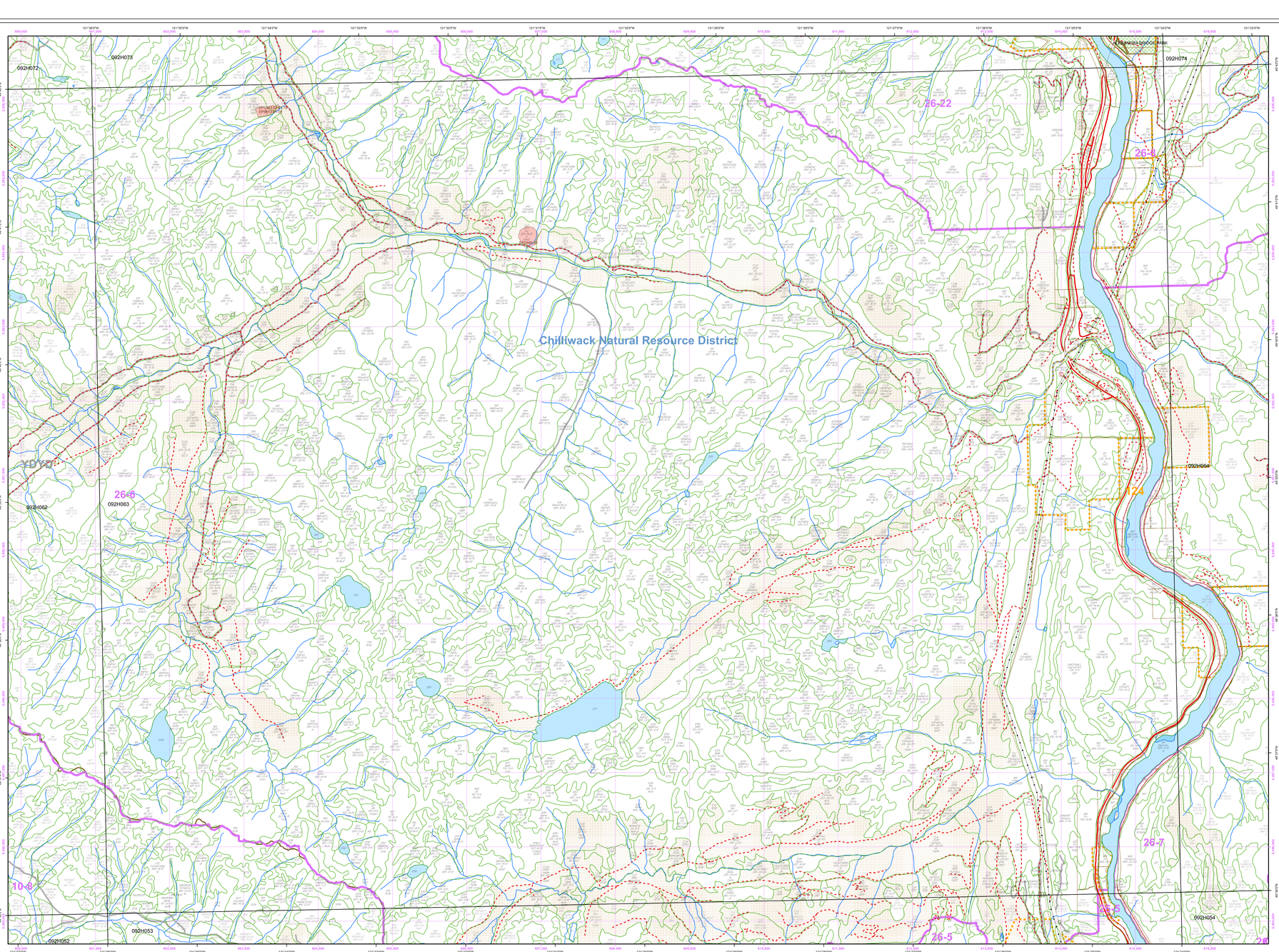
Detailed Silviculture information is available on the BCGW
Data Catalogue under "Forests". The MapView example is of the forest RESULTS data.

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
SILVICULTURE
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH







Overflow Labels