Vegetation Map
092P079

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 : MPLNRO - VRMS / Ownership
Base Map Source: TRIM / Tantalis

The information contained in this publication is stored digitally in the BC Geographic Warehouse. The map has been structured to represent a graphical depiction 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
- Silviculture Opening in Vegetation
- Permanent Sample Plot (2015)
- Research Installations

TRIM Base Features:
- 4w Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Ice-Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MPLNRO Region boundary
- Resource District boundary - FADM
- INV_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 (> 1:500,000 ha / -15 % hatch)
- Municipal boundary (< 1:500,000 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:

CJ2F
ES1L
Sx 40
4 A/E
Cb70

LINE DESCRIPTION:
1 Silviculture symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
ex: Fd and Hw Dominant layer is described as Fd (Douglis Fir) and Hw (Western Hemlock).
4 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 Vegetated Density Class (or Non-Forest/Inoperable Description)
ex: a forb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History (yes - ex: logged in 1979)

Line 1 : History Record Opening Number

- opening number valid for BCGS mapsheet
zzzzz - opening number has not been assigned

Line 2 : Polygon No. / Multi-layer

VRMS 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 : 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 dataed January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
H	HEMLOCK
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	BALSAM
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
Hw	HEMLOCK
Hm	Mountain Hemlock
Hmm	Mountain x Western Hemlock
Hwm	Western x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Jh	Seaside Juniper
L	LARCH
La	Subalpine Larch
Lt	Tamarack
P	PINE
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pa	Whitebark Pine
Pw	Western White Pine
Pk	Whitebark Pine
Prc	Red Pine
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	White Spruce
Sxl	Lutz Spruce
Sxe	Englemann x White
Sxs	Sitka x White
Ss	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
A	ARBUTUS
Up	Pacific Crab Apple
At	BLACK COTTONWOOD or POPLAR
Ac	Poplar
Ab	Balsam Poplar
At	Black Cottonwood
Ht	Hybrid Poplars
Ay	Trembling Aspen
E	ARBUTUS
Em	Pacific Dogwood
F	ASH
Fd	Alaska Paper Birch
Fdc	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Fm	Red Maple
Fc	CASCARA
V	CHERRY
Vf	Fire Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vu	Bitter Cherry
Vm	Pacific Dogwood (western flowering)
G	GARRY OAK
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gg	Garry Oak
Or	Red Oak
Wb	Bebb's Willow
Wp	Pacific Willow
Wr	Scouler's Willow (Barrett's)
Wf	Fussy Willow (gray leaved)
Ws	Sitka Willow
Wy	Scouler's Willow (yellow leaved)

UNKNOWN / OTHER

X	UNKNOWN
Xc	Unknown conifer
Xh	Unknown hardwood
Z	OTHER (less not on list)
Zz	Other tree
Zn	other hardwood

EXOTICS

Uw	APPLE
	ASPEN
Ax	ASPEN, CUTTONWOOD or POPLAR
Ae	Southern Cottonwood
Ea	Aspen
Eb	European Birch
Ek	Silver Birch (swamp)
Ew	Weeping Birch
Yx	CHERRY
	CYPRESS
Yo	Japanese Cedar
	FIR (Eastern)
Bb	Balkan Fir
Bc	Corkbark Fir
Bm	Whalley Red Fir
Bv	White Fir
Lk	LARCH
Ld	Dahurian Larch
Lx	Siberian Larch
Mu	MAPLE
Mk	Box Elder
Mr	Norway Maple
Ms	Silver Maple
Ok	OAK
Qg	English Garden
Qw	White Oak
Q	OTHER EXOTICS
Qc	Chestnut Cork
Qe	Giant Sequoia
Qf	Coast Redwood
Qn	European Mountain Ash
Qn	Siberian Elm (aesthetic)
Qo	Oregon Ash
Qo	Oregon Ash
Qw	White Ash
Qx	Green Ash (Marshy
Qt	Tree-of-Heaven
Qk	Japanese Walnut
W	WILLOW
	Monkeys Pine
Pn	Austrian Pine
Pp	Regal Pine
Pm	Macedonian
Sr	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	141-200
9	201 +

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)
1	0 - 5
2	6 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
0	86 - 100

4d SITE INDEX

All SI are shown to the nearest metre, referenced at 50 years breast height age. Site index is estimated for stands less than 50 years old. Those SI's derived from SI curves that are based on age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees almost present, e.g. Site Index Adjustment (SIA) is applied to the site index curves (provided in Association form 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 TREED SHRUB
- SL - SHRUB LOW - shrub with average shrub height < or = to two metres.
- SH - SHRUB LOW - shrub with average shrub height > two metres.

NON TREED HERB
- H - HERB
- HF - HERB - FORBS - 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 SHRUB/HERB
- SH - SHRUB/HERB - mixed with no distinction between shrubs and forbs by cover.
- Sh - SHRUB/HERB - MOSS - Shrub with mosses, liverworts, and hornwarts > 50% of the ground cover.
- He - SHRUB/HERB - LICHENS - Shrub with lichens > 50% of the ground cover.

NON VEGETATED CATEGORIES: (for V and I records)

W	WATER	ms	MUD/FLAT SEDIMENT	rr	RESERVOIR MARGIN
W	BEACH	mr	RUBBLY MINE SPOILS	rr	RAILWAY SURFACE
D	BLOCKFIELD	m	OCEAN	rs	RIVER SEDIMENTS
R	ROCK/CLIFF	s	SNOW	rt	TRANSMISSION
Ns	SURFACE AREA	sc	SNOW COVER	t	TALUS
Ni	OUTWASH	si	ICE	u	URBAN
Nl	GLACIAL TILL	sp	GLACIER	v	URBAN
Nb	GLACIAL OLS	v	RIVER / STREAM		
gl	GLACIER				

Note - Water categories (w, ss, ri, rl) must be recorded over 50 percent coverage.

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

ALPINE	ALPINE	NPBRUSH	NON-PRODUCTIVE BRUSH
ALPMEA	ALPINE FOREST Openings	NPBRYOID	NON-PRODUCTIVE BRYOID
CULTIVATED	CULTIVATED	NPBU	NON PRODUCTIVE BURNS
DISTURBED	DISTURBED	NPLICHEN	NON-PRODUCTIVE FOREST Species
GRAVEL BAR	GRAVEL BAR	NSR	NO TYPING AVAILABLE
GRAVEL PIT	GRAVEL PIT	OPENRANGE	OPEN RANGE
MEADOW	MEADOW	OPENSHRUB	OPEN SHRUB
MEADOW	MEADOW	ROCK	ROCK
MULT MULTIPLE	MULTIPLE	SWAMP	SWAMP
SAND	SAND		
TIDAL FLAT	TIDAL FLAT		
URBAN	URBAN		
NCC	NON-COMMERCIAL		
NCBRUSH	NON COMMERCIAL BRUSH		
NPBRUSH	NON-PRODUCTIVE BRUSH		
NSR	NOT CURRENTLY RESTOCKED		
NTA	NO TYPING AVAILABLE		

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.

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

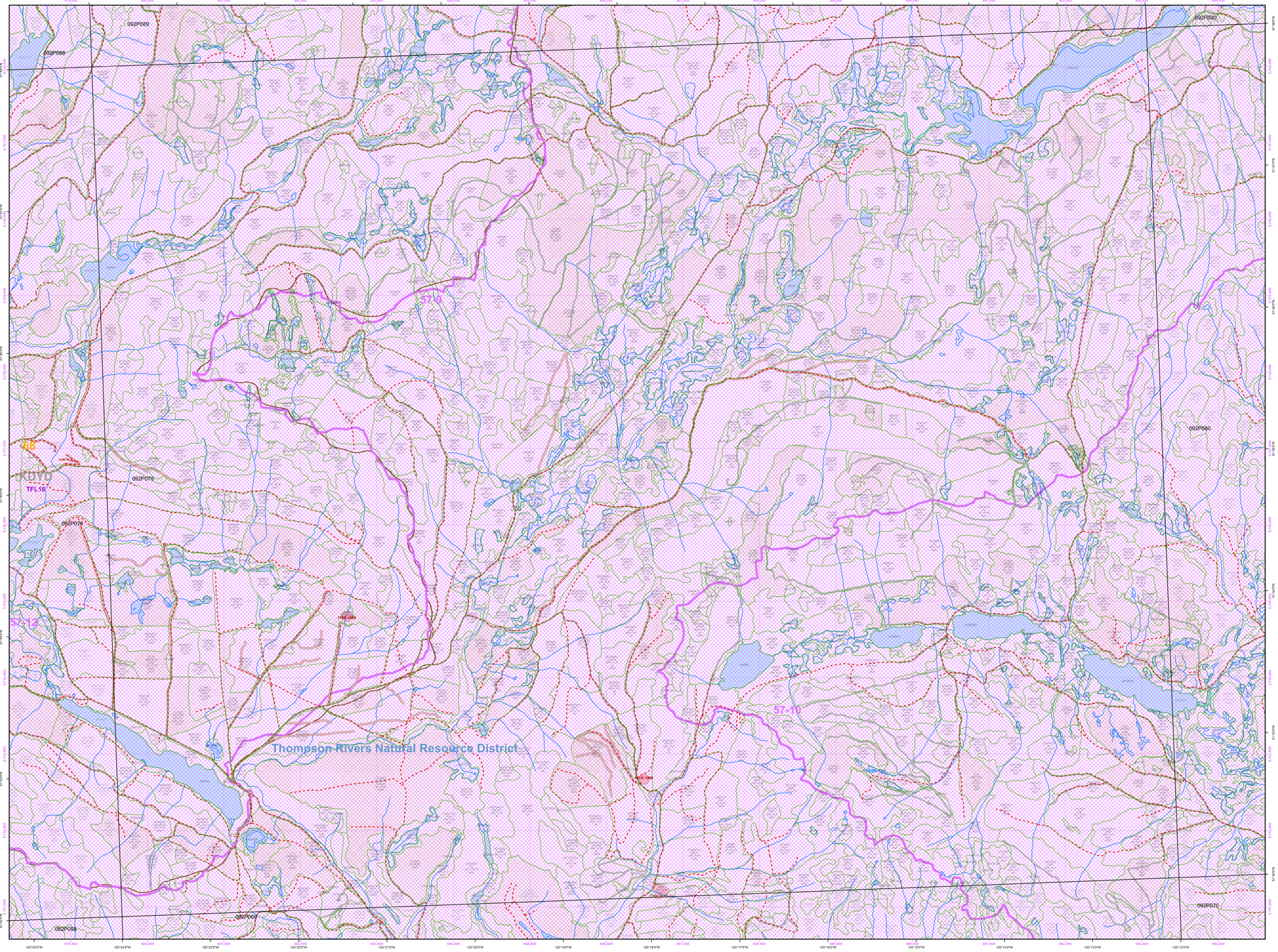
Detailed Silviculture information is available on the BCGW through MapView and Mapsheet. The MapView example is of thinned RESULTS data.

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 FOREST COVER
WELL ARE TREE PATCH







Overflow Labels