093A062

Vegetation Map
093A062

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

TRIM, Base Features:
- Au 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
- Hydr/Man/Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- Mgt 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
4. Age, Height, Crown Closure (dominant layer is described as Fd (Douglis Fir) and Hw (Western Hemlock).
4. Age, Height, Crown Closure Class, 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/Productive Descriptor)
ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6. Disturbance History (1 year - ex: cutpgn1 = 1978)

Line 1 - History Record Opening Number

1111 - opening number valid for BCGS mapsheet 0000 - 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

C	CEDAR
Cw	Western Red Cedar
Y	Yellow Cedar
Yc	Yellow Cedar
F	DOUGLAS FIR
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
Lw	Alpine Larch
Lt	Tamarack
Lx	Hybrid Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pa	Situra Pine (coast)
Pw	Western White Pine
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Hybrid Spruce
Sw	White Spruce
Sxe	Spruce hybrid
Se	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
YEW	
Tw	Western Yew

NATIVE HARDWOODS

A	ALDER
D	Red Alder
U	APPLE
Ua	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Ata	Trembling Aspen
Act	Black Cottonwood
Ax	Hybrid
Al	Trembling Aspen
Ep	Paper Birch
Ea	Alnus sp.
E	BIRCH
Ep	Alaska x Paper Birch
Eap	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Er	Red Birch
K	CASCARA
Kc	Cascara
Kh	Hybrid
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gb	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wp	Pacific Willow
Wrp	Peachleaf Willow (Bentzy's)
Wsp	Scouler's Willow (Piper's)
Ws	Scouler's Willow
Wa	Sitka Willow (tea leaved)

UNKNOWN CODE

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

EXOTICS

Ae	Apple
Ap	ASPEN, COTTONWOOD or POPLAR
Ap	Black Cottonwood
B	BIRCH
Be	European Birch
Bp	Paper Birch (Siberian)
Bw	Yellow Birch
C	CHERRY
Cs	Sweet Cherry
Cp	Pin Cherry
Cv	Hybrid Sweet Cherry
F	FIR (Balsam)
Fb	Balsam Fir
Fbk	Noble Fir
Fm	Shasta Red Fir
Fg	Grand Fir
L	LARCH
Ld	Daharian Larch
Ls	Siberian Larch
MAPLE	
Mn	Box Elder
Mr	Red Maple
Mn	Tartarian Maple
OAK	
Qg	Garry Oak
Qw	White Oak
OTHER EXOTICS	
Ow	Horse Chestnut
Ow	Mountain Ash
Ow	Siberian Elm (southern)
Ol	Common Pear
Ow	Walnut
Ow	White Ash
Oh	Shagbarck Hickory
Ow	Sycamore
Oj	Japanese Walnut
P	PINE
Pm	Monterey Pine
Pr	Red Pine
S	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	141-160
9	161 +

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

4d SITE INDEX

All SI are shown to the nearest metre referenced at 50 years. Site Index curves for the Interior are based on Curtis et al. (1974) working species. When an accurate SI cannot be determined from age and height, estimated SI is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees arenot present; e.g. recent disturbance, young stand. The SI source code in the database provides 6 Associated fields in the data base and Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

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

NON TREED SHRUB
- d SHRUB TALL - shrub with average shrub height > or = to two metres.
- s 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 gaminoids > 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 hornwarts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

bl	BEDROCK	ld	LAKE	mf	MUDFLAT SEDIMENT
bl	BEDROCK	ld	LAKE	mp	RUBBLE WAVE WHOLS
bl	BLOCKFIELD	lb	LAVA BED	oc	OCEAN
bl	BLOCKFIELD	lb	LAVA BED	os	OCEAN SURFACE
bu	BURNED AREA	ll	POND or LAKE SEDIMENTS	sn	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	tl	RESERVOIR
cb	CUTBANK/TALUS	rn	ROCK/SNOW	rs	STREAM

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

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
B	BARREN	NPF	NON PRODUCTIVE FOREST
CI	CLAY BANK	NPX	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
I	ICEFIELD	R	RIVER
IDE	ICEFIELD	T	HARVESTED
M	MEADOW	S	SWAMP
MUD	MUD FLAT		

SAND	SAND		
TIDE	TIDAL FLAT		
V	VOLCANIC		
VC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NPX	NON PRODUCTIVE (Species RESTOCKED		
NTA	NO TYPING AVAILABLE		

Line 6 - Disturbance History

Disturbance type code preceeded by symbol, followed by earliest date
For a complete list of disturbance type codes category, refer to official code list for sub-category descriptions.

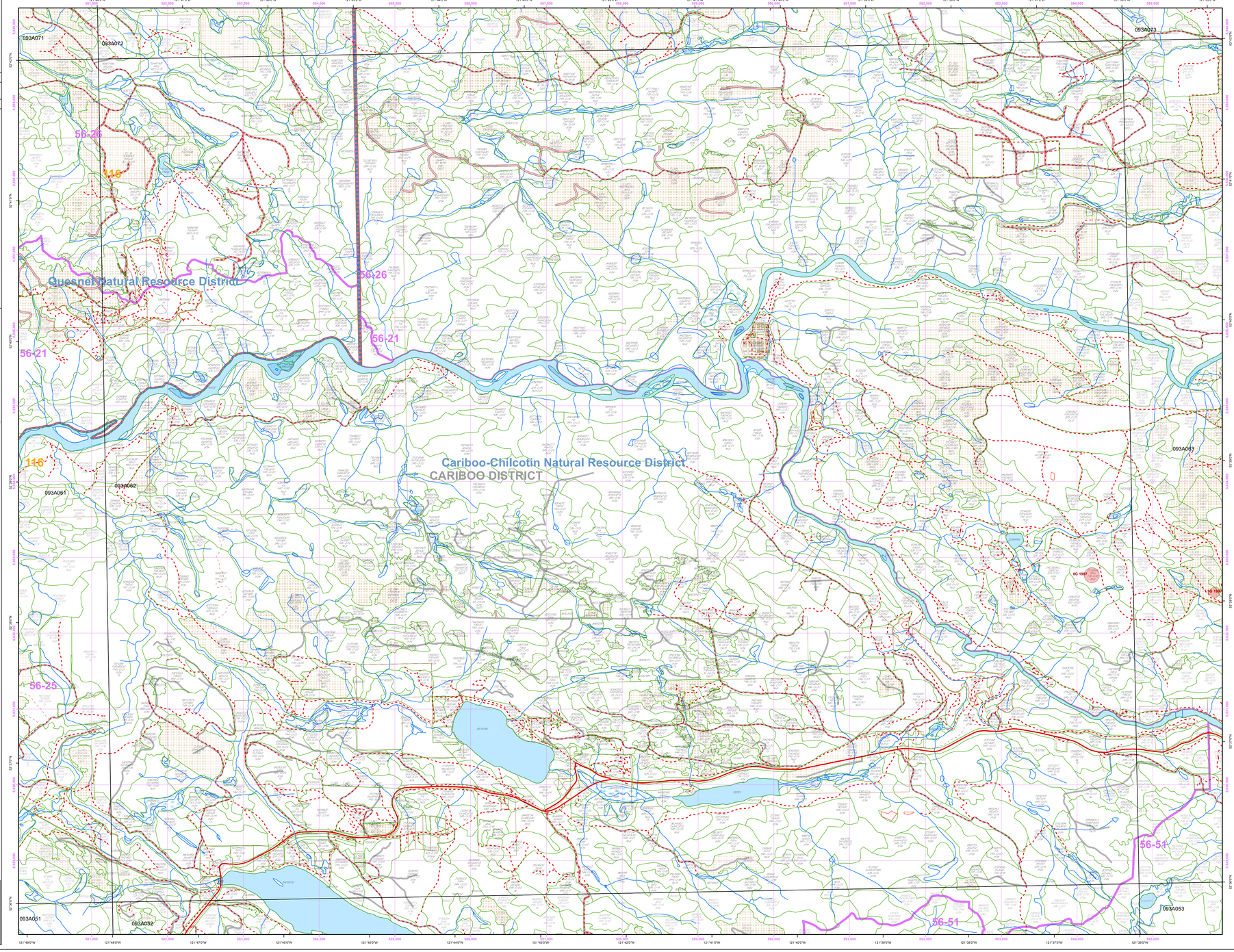
A	Animal Damage	L	Logging
B	Wildfire	M	Mtlg Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	O	Cone and Seedling Fungal Pathogens
I	Insects		
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

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



Overflow Labels