093B058

Vegetation Map
093B058

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
- Structures Opening in Vegetation
- Permanent Sample Plot (CVS)
- Research Installations

TRIM_Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf Fields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Non-Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RIV_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 (< 1:600,000 ha - % hatch)
- Municipal boundary (> 1:600,000 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 (Douglis Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator - Site Index (estimated S)
ex: 80 yrs old (61-80), 22 (21-40 yrs), height class 4 (16.1-19.0m), 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 & year - ex: Logged in 1978

Line 1 - History Record Opening Number

0147 - opening number valid for BCGS mapsheet 0038 - 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 - 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	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	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	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Albicaulis Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plci	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pyi	Ponderosa x Jack Pine
Pw	Western White Pine
Pxw	Western White Pine hybrid
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxe	Spruce hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
V	APPLE
Vp	Pacific Crab Apple
Ac	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Ae	Black Cottonwood
Ax	Hybrid Poplars
Al	Trembling Aspen
E	ERMOTUS
Ae	Alaska Yellow Cedar
E	BIRCH
Ea	Alaska Paper Birch
Eur	Alaska x Paper Birch hybrid
Ep	Paper Birch (White)
Ew	Water Birch
K	CASCARA
R	CHERRY
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wrw	Peachleaf Willow (Blanchly's)
Wy	Pussy Willow (gray-leaved)
Wx	Hybrid Willow
Z	OTHER (does not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ue	APPLE
	ASPEN, COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
Ae	*Aspen
Ebp	European Birch
Ekl	Silver Birch (swamp)
Ep	*Paper Birch
	CHERRY
Ys	Sweet Cherry
	CYPRESS
Yp	*Hinoki Cedar
	FIR (Balsam)
Bb	*Balsam Fir
Bpr	Noble Fir
Bs	*Silver Fir
Bi	*White Fir
	LARCH
Lsl	*Siberian Larch
Lsl	*Siberian Larch
	MAPLE
Mr	Red Maple
Mn	*Norway Maple
Ms	*Sycamore Maple
	OAK
Qe	*English Oak
Qw	*White Oak
	PINE/SPRUCE
Pxc	*Incense Cedar
Ob	*Giant Sequoia
Ok	*Coast Redwood
Ou	European Mountain Ash
Os	Siberian Elm (southern)
Ok	Japanese Walnut
	OTHER
Pm	*Monterey Pine
Pr	*Red Pine
Px	*Scots Pine
	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	141-250
9	251 +

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	6 - 10
2	11 - 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. SI is based on the age and height of the dominant trees in the polygon. If the trees are younger than 50 years old then age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when included SI trees are not present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes the SI. Estimated SI values are inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES: (for V and I record/s)

NON-TREED SHRUB
- w SHRUB TALL - shrub with average shrub height > or = to two metres.
- w- 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
- by BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses > 50% of the bryoid cover. > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED
- ei Exposed Land
- s Snow Patch
- w Snow / Ice

NON-VEGETATED CATEGORIES: (for V and I record/s)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH/FIELD	la	LAKE	my	RUBBLY MINE SPOILS
br	BEDROCK	lk	LAKE BED	ro	ROCK
bu	BURNED AREA	lr	LANDING	rd	ROAD SURFACE
cb	CLIFF/BANK	lk	POND or LAKE SEDIMENTS	sn	SNOW COVER
ea	EXPOSED SOILS	mi	MINE, MISC.	st	STREAM/RIVER
gl	GLACIER	mu	MOUNDED	w	WATER

Note: Water categories ds, ea, ok, rl not labelled over 50 percent coverage.

rm	RESERVOIR MARGIN
rm	RAILWAY SURFACE
rr	ROCK/RUBBLE
rd	ROAD SURFACE
te	TALUS
tz	TAILINGS
u	URBAN

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for V record/s)

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
BM	BOREAL FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	SF	SILT FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species		
D	DISTURBED	NPL	NON PRODUCTIVE-LOGGED	NC	NON COMMERCIAL
GR	GRAVEL PIT	OA	OPEN AREA	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
L	LAKE	R	ROCK	NR	NOT SUFFICIENTLY RESTOCKED
MUD	MUDFLAT	S	SWAMP	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code preceded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

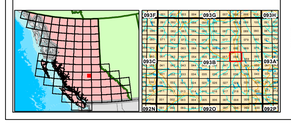
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

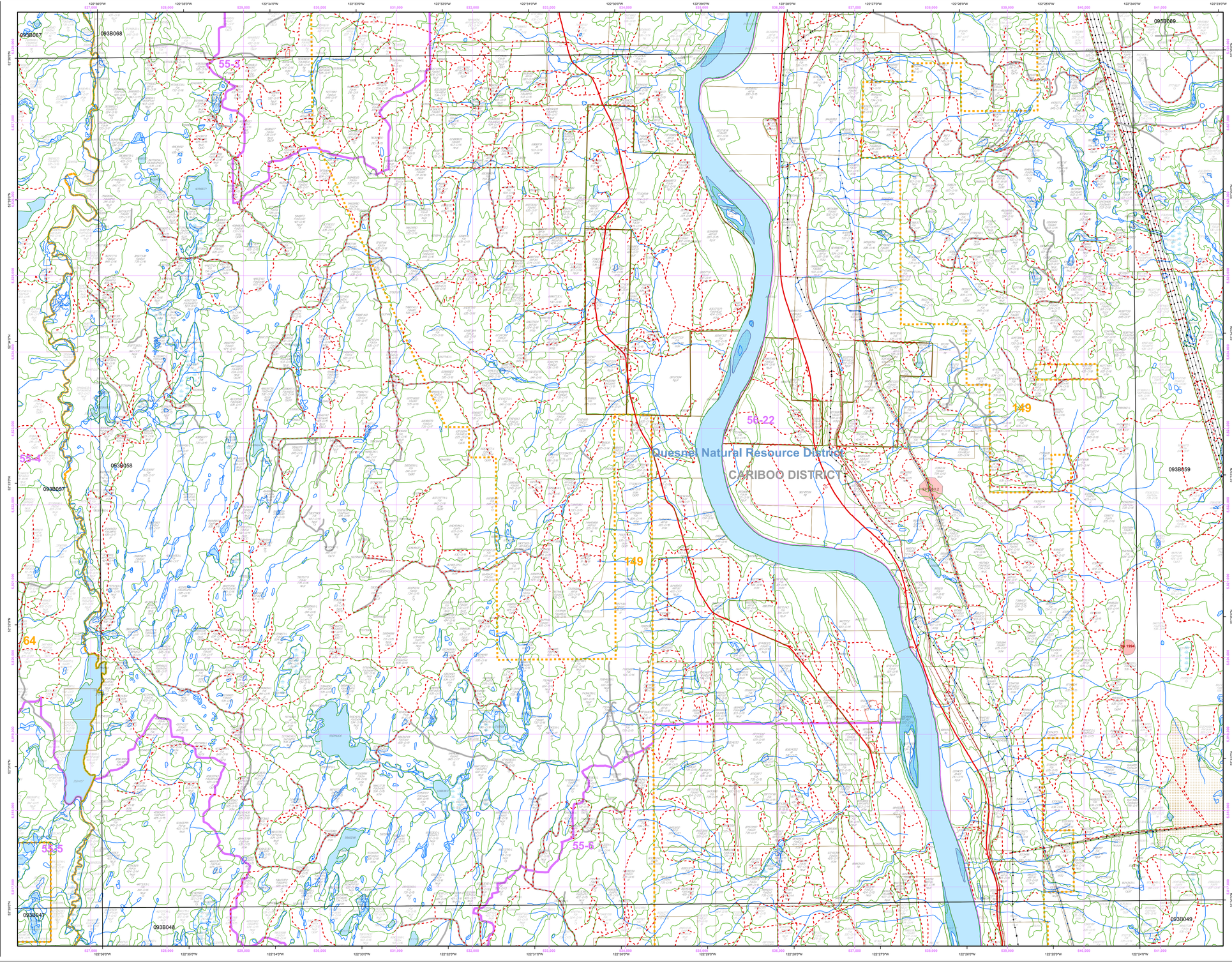
Example Opening History Details

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 VRIMS is available to view this type of detailed information. Select the SILVICULURE tab then click on 'Display Silviculture Map' to turn on display values for -

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





Overflow Labels

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