094I051

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
094I051

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 displayed on this map is not to be used for determining 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
- Inventory Opening in Vegetation
- Permanent Sample Plot (GYS)
- Research Installations

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

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO 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 (< 1,000,000 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 Status 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, 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/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

opening number valid for BCGS mapsheet — 000 - 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
Yc	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
Jsc	Seaside Juniper
L	LARCH
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Pp	Ponderosa Pine (yellow)
Ps	Shore Pine (coast)
Pw	Western White Pine
Py	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxl	Spruce hybrid White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Uc	CRAB, Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Act	Black Cottonwood
Act	Black Cottonwood
Av	hybrid Poplars
At	Trembling Aspen
Rx	ARBUTUS
Rx	MADRONE
E	BIRCH
Ew	Alaska Paper Birch
Ew	Alaska x Kenai Birch hybrid
Ew	Paper Birch (white)
Ew	Water Birch
Ec	Cascade
Ep	Cascade
V	CHERRY
Vb	Bitter Cherry
Vv	Choke Cherry
Vu	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
Wbg	Bebb's Willow (Barclay's)
Wpr	Prairie Willow (gray-leaved)
Ws	Scouler's Willow
Wrk	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

Z	unknown conifer
Zc	unknown conifer
Zh	unknown hardwood
Z	Other (code not on list)
Zz	Other conifer
Zh	other hardwood

EXOTICS

Uw	APPLE Apple
Act	ASPEN, COTTONWOOD or POPLAR Black Cottonwood
Ea	BIRCH European Birch
Ep	Silver Birch (swamp)
Ew	Paper Birch
Vs	CHERRY Sweet Cherry
Yp	CYPRESS Japanese Cedar
Fb	FIR (Balsam) *Balkan Fir
Bc	*Corkbark Fir
Bm	*Shasta Red Fir
Bc	*White Fir
Lk	LARCH *Dahurian Larch
Ld	*Siberian Larch
Mb	MAPLE Box Elder
Mr	*Norway Maple
Ms	*Sycamore Maple
Qa	OAK *Scarlet Oak
Qb	*White Oak
	OTHER EXOTICS
Oh	*Horsechestnut
Cp	*Dark Redwood
Oc	*Coast Redwood
Od	European Mountain Ash
Oe	Siberian Elm (southern)
Of	*Common Ash
Or	Oregon Ash
Ok	*White Ash
Ol	*Black Walnut, Hickory
Oj	*Tree-of-Heaven
Ok	Japanese Walnut
Pn	PINE *Monterey Pine
Pr	*Red Pine
Pa	*Scots Pine
Sn	SPRUCE *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)
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
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 leading species. When an accurate SI cannot be obtained from age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees aremot present, e.g. young stands (<100yrs). It is denoted by a slash which always precedes it. Associated fields 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
- s - SHRUB - shrub with average shrub height < or = to two metres.
- st - SHRUB, TALL - shrub with average shrub height > two metres.

NON TREED HERB
- he - HERB - herb with no distinction between forbs and graminoids.
- h - HERB - FORBS - herb with forbs > 50% of the herb cover.
- hg - HERB - 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 - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT
ar	ROCK	la	LAKE
bl	BLOCKFIELD	lk	LAKE, DRAINED
br	BEDROCK	lr	LANDING
bu	BURNED AREA	lo	POND or LAKE SEDIMENTS
cu	CUTBANK	ms	OPEN PIT MINE
es	EXPOSED SOILS	mn	MORAINE
gl	GLACIER		

mu	MUDFLAT SEDIMENT
mp	MUNICIPAL SPOILS
oc	OCEAN
ot	OTHER
pn	SNOW COVER
re	RESERVOIR
rv	RIVER / STREAM

rm	RESERVOIR MARGIN
rp	RIVER SEDIMENTS
rs	RIVER SEDIMENTS
rz	ROAD SURFACE
ta	TALUS
tr	TAILINGS
ur	URBAN

Note: Water categories (lk, re, rv, rz) not labelled over 95 percent coverage.

xi	Exposed Land
xr	Rock / Rubble
xs	Snow / Ice

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

A	ALPINE	NP	NON-PRODUCTIVE
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species
G	GRASS / HERB	NPL	NON PRODUCTIVE LAKE
GR	GRAVEL PIT	OR	OPEN RANGE
ICE	ICEFIELD	P	HAYFIELD
L	LOW BRUSH	R	ROCK
MUD	MUD FLAT	S	SWAMP

SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NPRE	NON PRODUCTIVE RESTOCKED		
NTA	NOTYPING 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.

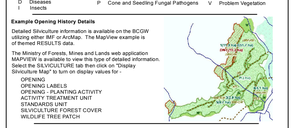
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation
T	Treatment Injuries
U	Damage Unknown
V	Problem Vegetation

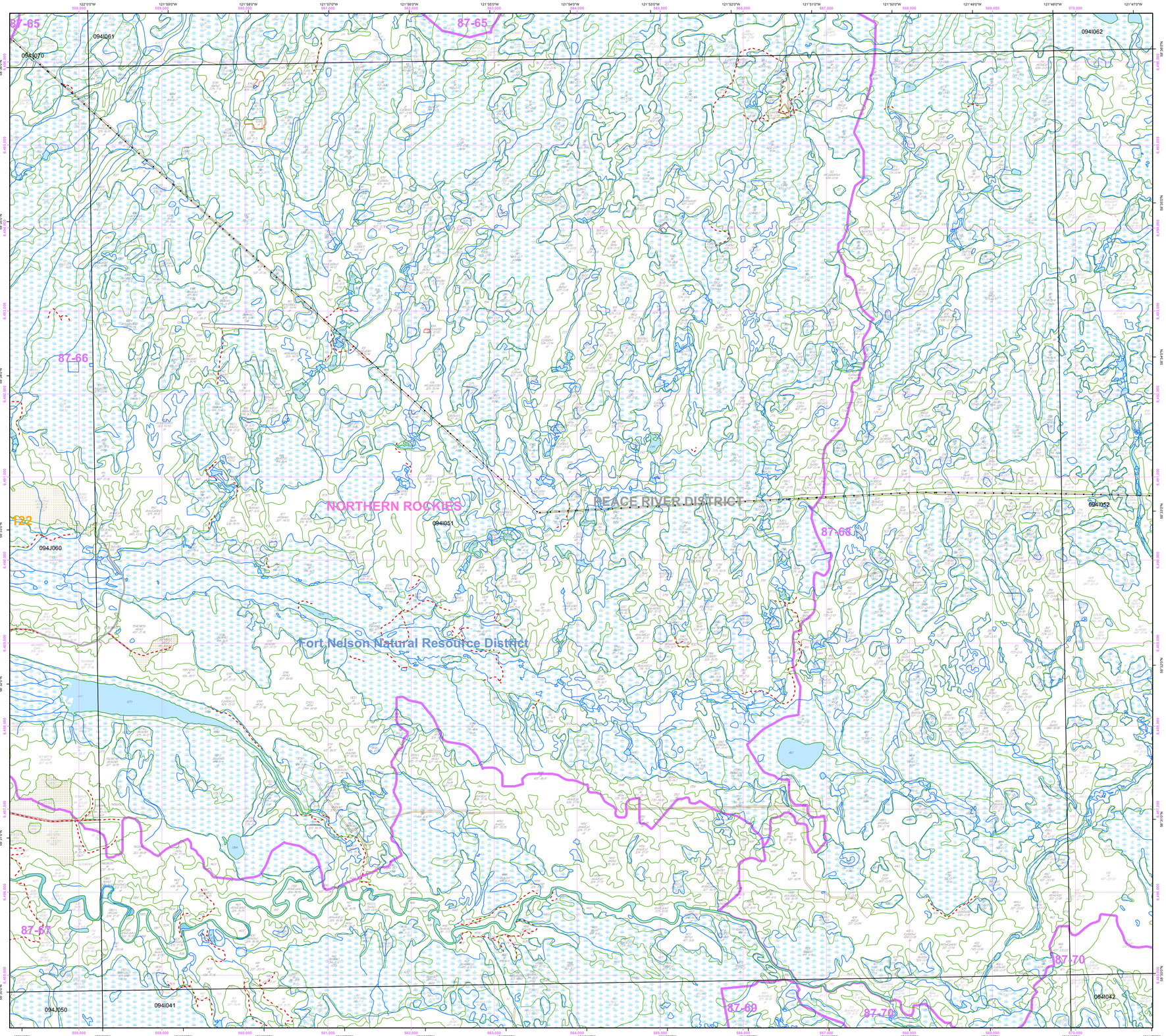
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

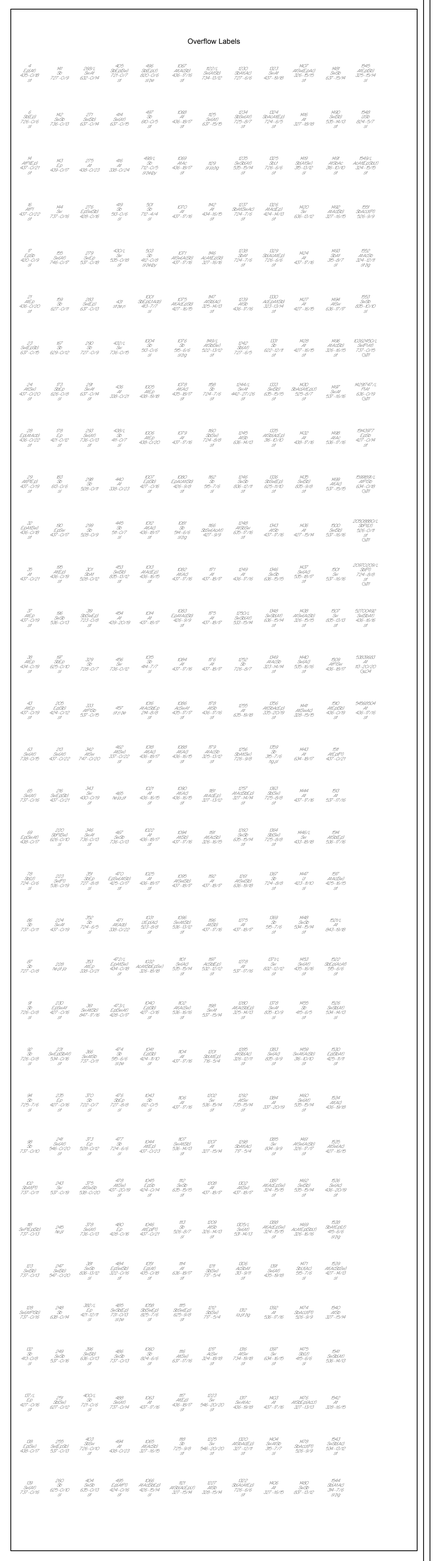
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
WILDLIFE HABITAT FEATURE COVER
WILDLIFE TREE PATCH





Overflow Labels



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