0941093

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
0941093

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

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 (VRI)
- Research Installations

TRIM Base Features:
- As 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/Net-Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RAV 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:

87 ECH Fd/Hw 80-120 Mod 0878

LINE DESCRIPTION
1 Silviculture symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
ex: the most important species is described as Fd (Douglis Fir) and Hw (Western Hemlock).
4 Age, Height, and Crown Closure Class Code - separated by a slash
ex: Age class 4 (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 Description)
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

87 - opening number valid for BCGS mapsheet
XXXX - 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	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	BALSAM
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Alpine Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine hybrid
Ply	Ponderosa Pine (yellow)
Pp	Shore Pine (coast)
Pw	Western White Pine
Pyb	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Sw	White Spruce
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Ds	Sitka Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Ahd	Black Cottonwood
Ax	Hybrid Poplar
Af	Trembling Aspen
Ac	Black Cottonwood
Vp	Alder/Leaf
E	BIRCH
Ep	Alaska x Paper Birch hybrid
Epa	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vv	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
Wr	Peachleaf Willow (Bonby's)
Ww	Pussy Willow (gray-leaved)
Wy	Scouler's Willow
Ws	Sitka Willow (blue-leaved)

UNKNOWN - OTHER

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

EXOTICS

Ua	APPLE
	Apple
Aa	ASPEN, COTTONWOOD or POPLAR
Aal	*Southern Cottonwood
	BIRCH
Ea	*European Birch
Es	Silver Birch (exempt)
Ey	*Yellow Birch
	CHERRY
Vs	Sweet Cherry
	FIR (BALSAM)
Vp	*Purl Orford Cedar
	FIR (Balsam)
Bb	Nobles Fir
Bp	Noble Fir
Bm	*Shasta Red Fir
Bi	*White Fir
	LARCH
Ld	*Dahurian Larch
La	*Siberian Larch
	MAPLE
Mk	Black Elder
Mp	*Norway Maple
Ms	*Sycamore Maple
	OAK
Qe	*English Oak
Qw	*White Oak
	OTHER EXOTICS
Oa	*Incense Cedar
Ob	*Giant Sequoia
Oc	*Coast Redwood
Od	European Mountain Ash
Oe	European Elm (southern)
Of	Common Pear
Og	Oregon Ash
Oh	*Hawthorn
Oi	*Shagbarks Hickory
Oj	Tree-of-Heaven
Ok	*Japanese Walnut
	PINE
Pm	*Monterey Pine
Po	*Red Pine
Ps	*Sugar 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 (percentages)
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 (<30yrs). 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
- sl SHRUB LOW - shrub with average shrub height < or = to two metres.
- sh SHRUB TALL - shrub with average shrub height > two metres.

NON-TREED HERB
- he 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
- bc BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses > 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	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mr	RUBBLY MINE SPOILS
bi	BRUSH/FIELD	ld	LAKE BED	ot	OTHER
br	BEDROCK	lg	LANDING	ot	OTHER
bu	BURNED AREA	ls	POND or LAKE SEDIMENTS	pn	SNOW COVER
cp	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
ws	EXPOSED SOILS	mn	MORAINE	r	RIVER / STREAM
gl	GLACIER				

NON VEGETATED
- rl Exposed Land
- rr Rock / Rubble
- si Snow / Ice

re	RESERVOIR MARGIN
rm	RAILWAY SURFACE
rn	RUNWAY SEGMENTS
rr	ROAD SURFACE
ta	TALUS
tl	TAILINGS
ur	URBAN

Note: Water categories (la, ld, re, r) not labelled over 50 percent coverage.

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

AF	ALPINE FOREST	NPBR	NON PRODUCTIVE BRUSH
AFC	ALPINE FOREST-Species	NPBU	NON PRODUCTIVE BURN
C	CULTIVATED	NPF	NON PRODUCTIVE FOREST (Species
CL	CLAY BANK	NTA	NO TYPING AVAILABLE
G	GRAVEL BAR	OP	OPEN WOODLAND
GE	GRAVEL PIT	P	HAYFIELD
ICE	ICEFIELD	R	ROCK
M	MEADOW	S	SWAMP
MUD	MUD FLAT		

SAND	SAND
TIDE	TIDAL FLAT
U	URBAN
NC	NON COMMERCIAL
NCB	NON COMMERCIAL BRUSH
NP	NON PRODUCTIVE
NSR	NOT SUFFICIENTLY RESTOCKED
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	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Disease	P	Cone and Seeding Fungal Pathogens	V	Problem Vegetation
I	Insects				

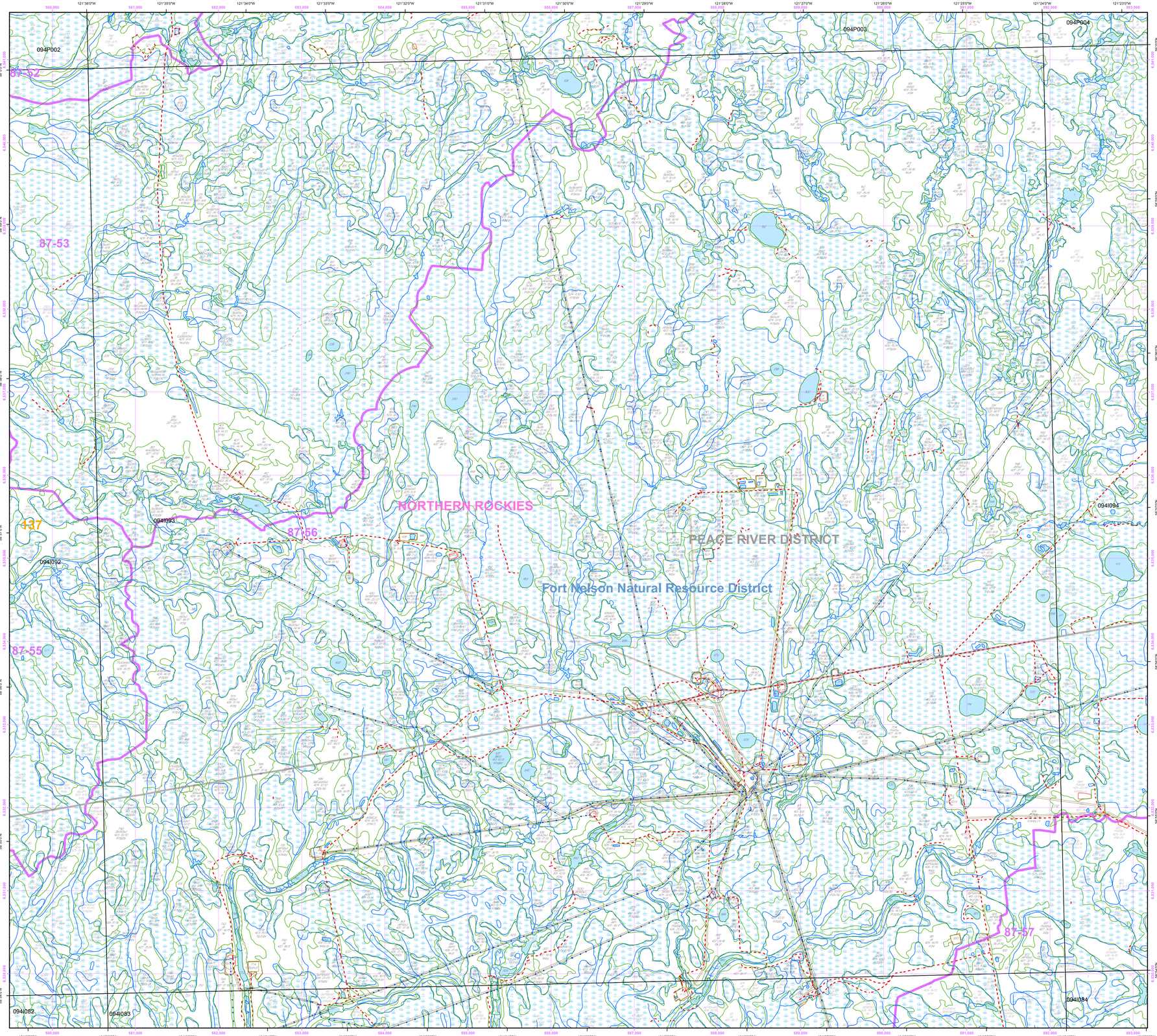
Example Opening History Details

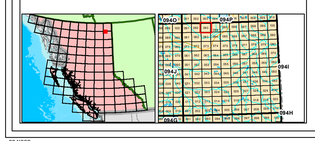
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH







Overflow Labels

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