Vegetation Map
094H032

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 (CFS)
- 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/Nav/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 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 (Douglas Fir) and Hw (Western Hemlock).
4 Age Class, Height Class, 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 & year - ex: Logged in 1978

Line 1 - History Record Opeing Number

opening number valid for BCGS mapsheet — DOPF - 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	FIR (Balsam)
Ba	Subalpine Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hw	Mountain Hemlock
Hm	Western Hemlock
Hxm	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	Albert Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine hybrid
Pli	Lodgepole Pine (coast)
Pp	Shore Pine (coast)
Pw	Western White Pine
Pxj	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Si	Sitka Spruce
Sw	White Spruce
Sx	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
U	APPLE
Up	Pacific Crab-Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Ac	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
R	ARBUTUS
Rb	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Ep	Alaska Paper Birch hybrid
Ew	Water Birch (wi wiki)
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
Wwp	Peachleaf Willow (Barclay's)
Wsp	Scouler's Willow (Barclay Hansell)
Ws	Scouler's Willow
Wr	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

	APPLE
Ux	Apple sp.
	ASPEN, COTTONWOOD or POPLAR
Ad	Northern Cottonwood
	BIRCH
Ea	European Birch
Ej	Japanese Birch (ssamp)
Ey	*Yellow Birch
	CHERRY
Ys	Sweet Cherry
	CYPRESS
Yp	*Nootka Cypress/ Cedar
	FIR (Balsam)
Bb	*Balkam Fir
Bg	*Grand Fir
Bm	*Shasta Red Fir
Bl	*White Fir
	LARCH
Ld	*Dahurian Larch
Lk	*Siberian Larch
	MAPLE
Me	Norway Maple
Mr	*Norway Maple
Ms	*Sycamore Maple
	OAK
Qe	*English Oak
Qp	*Pin Oak
	OTHER EXOTICS
Oc	*Incense Cedar
Oh	*Western Hemlock
Ol	*Lawsil Redwood
Od	European Mountain Ash
Ou	Siberian Elm (southern)
Of	Common Pear
Oa	*Black Walnut
Ob	*White Ash
Ot	*Shagbuck Hickory
Ok	*Black Locust
Oj	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Py	*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)
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 dominant trees. Estimates of site 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 aren=t 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 1

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

NON-TREED SHRUB
- s — SHRUB — shrub with average shrub height > or = to two metres.
- d — SHRUB LOW — shrub 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 graminoids > 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, liverworts, and hornworts > 50% of the bryoid cover.
- bl — BRYOID - LICHENS — bryoid with lichens > 50% of the bryoid cover.

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

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUD/FLAT SEDIMENT
be	BEACH	la	LAKE	ru	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lb	LAVA BED	oc	OCEAN
bu	BUILT-UP	lo	LOG YARD	or	ORE STORAGE
bu	BURNED AREA	lp	POND or LAKE SEDIMENTS	rp	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
es	EXPOSED SOILS	mo	MORAINE	ri	RIVER / STREAM
gl	GLACIER		Note: Water categories (la, oc, re, ri) not labelled over 80 percent coverage.		

rm	RESERVOIR MARGIN
rn	RAILWAY SURFACE
rs	RIVER SEDIMENTS
ta	TALUS SURFACE
te	TALUS
ti	TAILINGS
ur	URBAN

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

A	ALPINE	NP	NON PRODUCTIVE
B	BOREAL FOREST /Species	NPBS	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species
G	GRAVEL BAR	NV	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
L	LAKE	R	ROCK
M	MEADOW	S	SWAMP
MUD	MUD FLAT		

SAND	SAND
SF	SAND FLAT
U	URBAN
NC	NON COMMERCIAL
NCBR	NON COMMERCIAL BRUSH
NCBU	NON COMMERCIAL BURN
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.

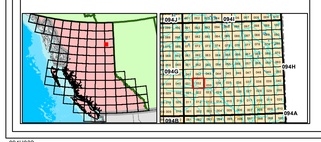
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation
T	Treatment Injuries
U	Damage Unknown
V	Problem Vegetation

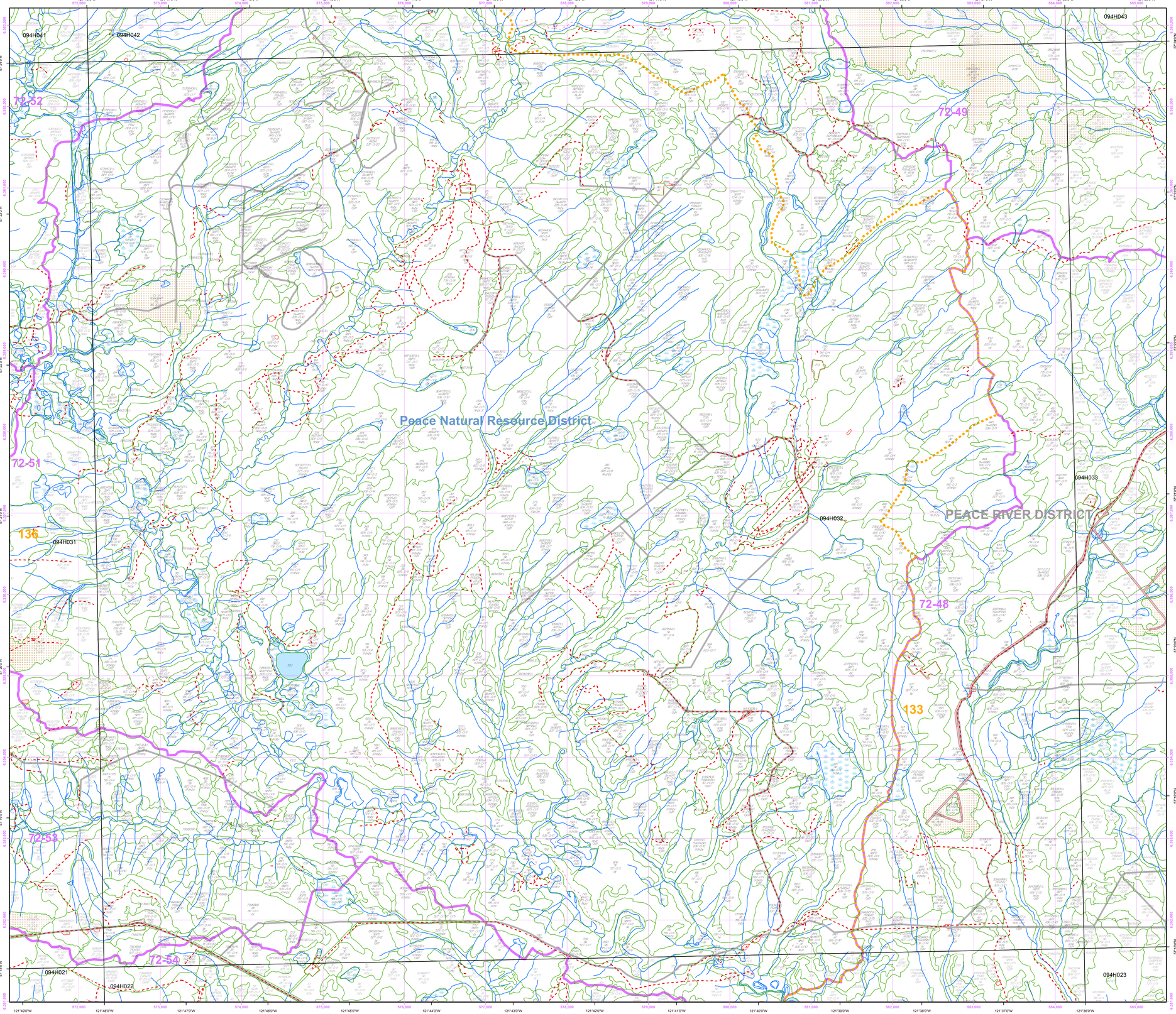
Example Opening History Details

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
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels