094H020

Vegetation Map
094H020

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 display the vegetation resource inventory (VRI) information. Some of the features on the map may be generalized, 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).

Values Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Structure Opening in Vegetation
- Permanent Sample Plot (CFS)
- Research Installations

TRIM. Base Features :
- All 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
- Huts/Hse/Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RU - 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 (< 1:200,000 fea - 15 % hatch)
- Municipal boundary (< 1:200,000 fea) - 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 Structure Symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (ML)
3 Species Composition
ex: the most important layer is described as Fd (Douglis Fir) and Hw (Western Hemlock).
Fd 60 Hw 40 Cw 20 Hm 20 Fd 40 Hw 30 Cw 30 Hm 20 - estimated SI
ex: stand is age class 2 (21-40 yrs), height class 1 (0-10 Mt), crown closure class 1 (6-15%), SI 20m
4 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex: a forth polygon with no distinction between forbs and graminoids, shrubs less than 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

opening number valid for BCGS mapsheet — none - 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 4.6 dated January 2009.

NATIVE CONIFERS

C	CEDAR	Cw	Western Red Cedar
Y	CYPRESS	Yc	Yellow Cedar
F	FIR (balsam)	Fd	Douglas Fir
Fdc	Coastal Douglas Fir	Fdi	Interior Douglas Fir
B	FIR (balsam)	Ba	Amabilis Fir
Bg	Amabilis Fir	Bl	Subalpine Fir
Bl	Subalpine Fir		
H	HEMLOCK		
Hw	Western Hemlock		
Hm	Mountain Hemlock		
Hxm	Mountain x Western Hemlock hybrid	Hy	Yellow-cedar x Western Hemlock hybrid
J	JUNIPER	Pa	Alberta Spruce
Jr	Rocky Mtn. Juniper	Sx	Hybrid Spruce
Js	Sawtooth Juniper	Se	Engelmann Spruce
L	LARCH	Sw	White Spruce
La	Alpine Larch	Sxl	Spruce hybrid
Lt	Tamarack	Sxw	Spruce hybrid White
Lw	Western Larch	Sxs	Sitka x White
P	PINE	Sxs	Sitka x unknown hybrid
Pl	Lodgepole Pine	Ss	Sitka Spruce
Pli	Lodgepole Pine (interior)		
Plc	Lodgepole x Jack Pine hybrid		
Py	Ponderosa Pine (yellow)		
Pw	Western White Pine		
Pa	Whitebark Pine		
Pf	Limber Pine		
Sb	Black Spruce		
Se	Engelmann Spruce		
Sw	White Spruce		
Sx	White Spruce		
Sxl	Spruce hybrid		
Sxw	Spruce hybrid White		
Sxs	Sitka x White		
Sxs	Sitka x unknown hybrid		
Ss	Sitka Spruce		
Te	Western Yew		

NATIVE HARDWOODS

D	ALDER		
Dr	Red Alder		
E	ASPEN		
Ue	Pacific Crab Apple	Act	Black Cottonwood
At	ASPEN, COTTONWOOD or POPLAR	At	Trembling Aspen
Ep	Poplar		
Ato	Balsam Poplar		
Atp	Hybrid Poplar		
Ati	Hybrid Poplar		
At	Trembling Aspen	Vs	Sweet Cherry
Ew	Black Cottonwood		
Ala	Alnaska		
E	BIRCH		
Ea	Alaska Paper Birch		
Ekl	Alaska x Paper Birch hybrid	Bb	Ashleaf Maple
Ep	Paper Birch (white)	Bg	Manitoba Maple
Ew	Water Birch	Bm	Bigleaf Maple
Ey	Yellow Birch		
G	OAK		
Gb	Bur Oak		
W	WILLOW		
Wb	Bebb's Willow		
Wg	Pacific Willow		
Wp	Peachleaf Willow (Bartday's)		
Wr	Pussy Willow (grey leaved)		
Ww	Scouler's Willow		
Wil	Sitka Willow (tea leaved)		

UNKNOWN - OTHER

X	unknown conifer
Xc	unknown hardwood
Xh	unknown conifer/hardwood (or tie)
Xo	other conifer
Zh	other hardwood

EXOTICS

Ue	APPLE
	ASPEN, COTTONWOOD or POPLAR
Act	*Southern Cottonwood
Ae	Aspen
Ep	European Birch
Ey	Silver Birch (swamp)
Ep	*Gray Poplar
	CHERRY
Vs	Sweet Cherry
	FIR (balsam)
Bm	*Pond Orford Cedar
	FIR (Balsam)
Bb	*Balkan Fir
Bg	Grand Fir
Bm	*Shasta Red Fir
Bn	*White Fir
	LARCH
Lyl	*Dahurian Larch
Ll	*Siberian Larch
	MAPLE
Mb	Box Elder
Mr	*Norway Maple
Ms	*Sycamore Maple
Oa	Oak
Qa	*English Oak
Qw	*White Oak
	OTHER EXOTICS
Ok	*Incense Cedar
Ol	*Monterey Cedar
Ch	*Coast Redwood
Ob	Eurasian Mountain Ash
Ob	*European Mountain Ash
Ch	Common Pear
Ogr	Oregon Ash
Ou	*Chinese Elm
Ow	*Wingbarck Hickory
Ob	*Black Walnut
Gk	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Psy	*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 - 45.4
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

4d 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 and co-dominant trees in the stand. Where site index age and height, estimated SI is shown after or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees are not present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes the SI. Estimated site indices are inventory Type Group and SI Estimated volume table.

Line 5 Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I recs(4A)

NON-TREED SHRUB
- sl SHRUB TALL — shrub with average shrub height > or = to two metres.
- ss SHRUB LOW — 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 graminoids > 50% of the herb cover.

NON-TREED BRYOID
- by BRYOID — bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS — bryoid with mosses, liverwrts, and hornwerts > 50% of the bryoid cover.
- bl BRYOID - LICHENS — bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- wl Exposed Land
- wi Permanent Ice
- w Snow / Ice

NON VEGETATED CATEGORIES (for V and I recs(4A)

bl	BARE SOIL	ri	RIVER	mu	MUD/FLAT SEDIMENT
be	BEACH	la	LAKE	mr	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lk	LAVA BED	oc	OCEAN
bu	BURNED AREA	rs	RIVER SAND	sn	PERM SNOW/ICE
bc	BURNED AREA	s	POND or LAKE SEDIMENTS	sc	SNOW COVER
cb	CUTBANK	rk	OPEN RIT MINE	st	RESERVOIR
cr	CUTBANK/ROLLS	rm	MORAINE	sm	RIVER or STREAM
gl	GLACIER				

mr RESERVOIR MARGIN
rm RAILWAY SURFACE
rs ROAD SEDIMENTS
ro ROCK OUTCROPS
ta TALUS
tl TAILINGS
w UNKNOWN

Note: Water categories (la, oc, re, rl) must be labelled over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F recs(4A)

A	ALPINE	MF	NON-PRODUCTIVE	SAND	SAND
C	CLEARING FOREST /Species	NPBS	NON-PRODUCTIVE BRUSH	TOC	TOAL/FLAT
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN	U	URBAN
CL	CLEAR-BANK	NPF	NON-PRODUCTIVE FOREST /Species		
G	GRASS/HERB	NP	NON-PRODUCTIVE/LABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
L	LANDING	P	PASTURE	NCR	NON COMMERCIAL
M	MEADOW			NSR	NOT SUITABLE/RESTOCKED
MUD	MUD FLAT	S	SWAMP	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code preceeded by symbol, followed by earliest date

First character of disturbance type designates category, refer to official code list for sub-category descriptions.

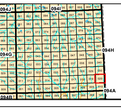
A	Logging damage	L	Logging
B	Wildfire	M	Mechanical
C	Cone and Seed Insects	N	Non Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Undetermined
		V	Problem Vegetation

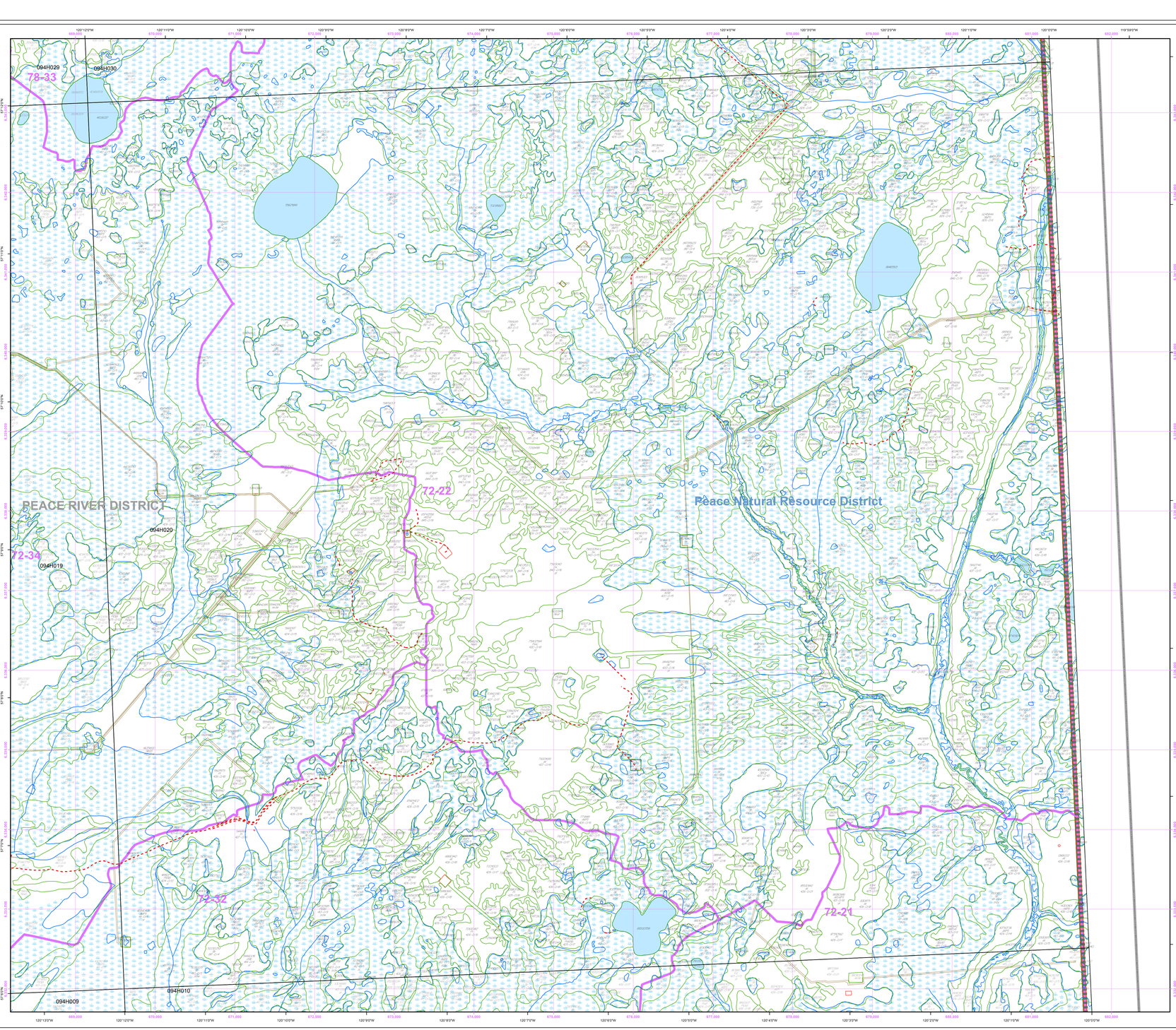
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either ArcMap or ArcMap. The MapView example is shown below for 094H 072-34.

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
SILVICULTURE TREATING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

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