093P048

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093P048

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
- Structure Opening in Vegetation
- Permanent Sample Plot (GY3)
- 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
- Hydroline/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) - no 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 (Douglis Fir) and Hw (Western Hemlock).
4 Age, Height and Closure Class Code - separator - Site Index / estimated SI
ex: 3 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 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

OP - opening number valid for BCGS mapsheet
zOPN - 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	Nootka Cypress
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	Sitka/Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plx	Lodgepole Pine x Pine hybrid
Py	Ponderosa Pine (yellow)
Ps	Shore Pine (coast)
Pw	Western White Pine
Pxj	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Prince Rupert Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxb	Sitka x Black White
Sxw	Sitka x White
Sxs	Sitka x unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	DOGWOOD
Dr	Red Alder
U	APPLE
Ue	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Act	Balsam Poplar
Act	Black Cottonwood
Ae	Trembling Aspen
At	Trembling Aspen
R	ARBUTUS
E	BIRCH
Ep	Alaska Paper Birch
Ec	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vs	Bitter Cherry
Vv	Choke Cherry
Vy	Sweet Cherry
G	GOOSEBERRY
Gp	Pacific Gogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Qg	Garry Oak
Qx	Oak hybrid
W	WILLOW
Wp	Pacific Willow
Wpb	Pacific Willow (Barsby's)
Wpy	Pussy Willow (pussy-tee-toe)
Ws	Scouler's Willow
Wl	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

H	HARDWOOD
Ac	unknown conifer
Ah	unknown hardwood
Z	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ue	Apple
At	ASPEN, COTTONWOOD or POPLAR
Act	Balsam Cottonwood
Ep	European Birch
Ey	Silver Birch (swamp)
Ey	Yellow Birch
V	CHERRY
Vs	Sweet Cherry
Y	CYPRESS
Yt	Monterey Cedar
F	FIR (Balsam)
Bb	"Balkan Fir
Bn	"Nobel Fir
Bm	"Alhambra Red Fir
Bc	"White Fir
L	LARCH
Ld	"Dahurian Larch
Lk	"European Larch
J	MAPLE
Mr	Box Elder
Mp	"Norway Maple
Mp	"Sycamore Maple
O	OAK
Qb	"Bigtooth Oak
Qw	"White Oak
	OTHER EXOTICS
Cn	"Incense Cedar
Qb	"Giant Sequoia
Qr	"Northern Red Oak
Qg	European Mountain Ash
Qe	Siberian Elm (southern)
Qi	"Siberian Elm
Og	Oregon Ash
Oh	"White Ash
Oa	"Green Ash, Hickory
Ch	"Tree-of-Heaven
Ok	Japanese Walnut
PW	PINE
Pm	"Monterey Pine
Pn	"Austrian Pine
Pp	"Eugar Pine
S	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
50 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. Where an accurate SI cannot be obtained from age and height estimates will be 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 dash 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.
s SHRUB (LOW) - shrub with average shrub height < two metres.

NON-TREED HERB
he HERB
H HERB - FORBS - herb with no distinction between forbs and graminoids.
h HERB - GRAMINOIDS - herb with forbs < 50% of the herb cover.
herb with graminoids > or = 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, liverworts, and hornwarts > 50% of the bryoid cover.
bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ae	AIRPORT	gp	GRAVEL PIT	mv	MUDFLAT SEDIMENT
ar	ROCK	ic	ICE	mw	RESERVOIR MARSH SPOILS
bl	BLOCKFIELD	la	LAVA BED	ns	OCEAN
br	BEDROCK	li	LANDING	ot	OTHER
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS	pr	BRIDGE/COVER
cb	CUTBANK	mi	OPEN PIT MINE	rb	RIVERBOCKS
ms	MINERAL SOILS	mn	MORAINE	s	RIVER / STREAM
gl	GLACIER				Note: Water categories (lk, ns, rs, rs) not labelled over 50 percent coverage.

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

A	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
BY	BRYOID	NPF	NON PRODUCTIVE FOREST		URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
KF	KRYFOLD	P	HAYFIELD	NP	NON PRODUCTIVE
MS	MINERAL	R	ROCK	NSR	NON STOCKED 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.

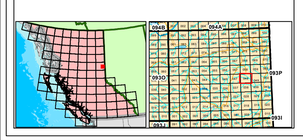
A	Animal Damage	L	Logging
B	Wildfire	M	Mde Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

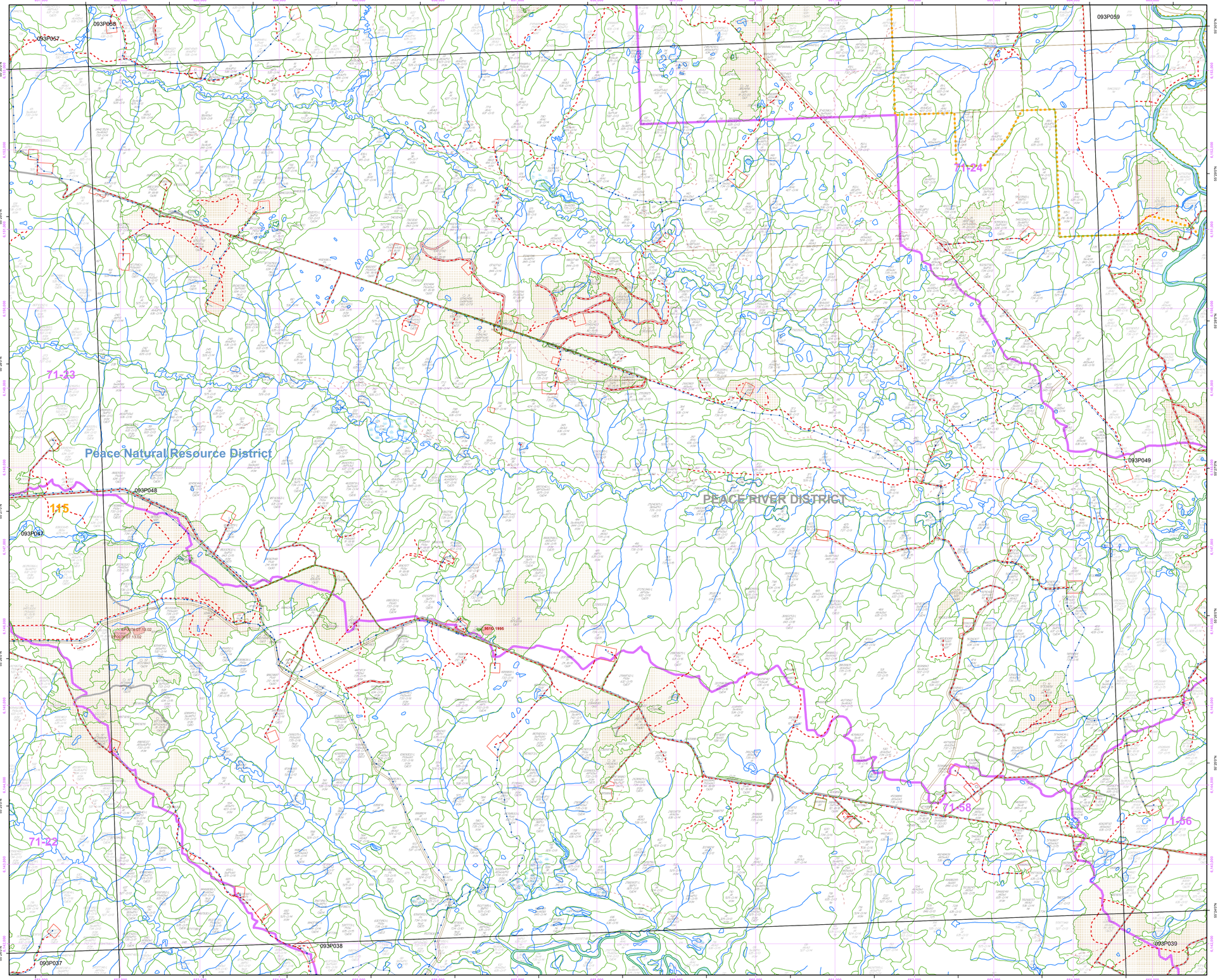
Example Opening History Details

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

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