092E078

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
092E078

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 / Terrain

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, 2015

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (VRI3)
- Research installations

TRIM - Base Features:
- Air Exit Routes
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrodrainages - 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:

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CLE   LINE DESCRIPTION:
ESC   1 Silviculture symbol and Opening Number
FDFd1 2 Polygon Number and multi-layer stand indicator (L)
SW    3 Species Composition
      ex. the most important layers is described as Fd (Douglas Fir) and Hw (Western Hemlock).
      4 Age, Height, Crown Closure Class Code - separated by a / (for inventory / estimated SI)
      ex. stand is age class 4 (71-80 yrs), height class 4 (13.1-16.0m), crown closure class 5 (6-15%), SI 20m
      (for Fd) and SI 18m (for Hw) - separated by a / (for inventory / estimated SI)
      ex. a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
      5 Disturbance History & year - ex: Logged in 1978
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Line 1 - History Record Opening Number

CLE - opening number valid for BCGS mapsheet ESC - opening number has not been assigned

Line 2 - Polygon No. / Multilayer

VRIMS Polygon Number - ranging from one to nine digits
L Multi-layered stand (separate description for 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)
Bg	Grand Fir (Balsam)
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwk	Coastal Western Hemlock hybrid
J	JUNIPER
P	Rocky Mtn. Juniper
L	LARCH
La	Alpine Larch
Lw	Western Larch
PINE	
Pl	Lodgepole Pine
Pli	Lodgepole Pine
Plc	Lodgepole Pine (contorta)
Pld	Lodgepole x jack Pine hybrid
Pj	Ponderosa Pine (yellow)
Pa	Whitebark Pine
Pw	Western White Pine
Pk	Whitebark Pine
S	SPRUCE
Se	Black Spruce
Sx	Engelmann Spruce
Sw	White Spruce
Sxw	White Spruce
Sx	Spruce hybrid
Sxl	Spruce Lutzie
Sb	Sitka x White
Sxs	Sitka x unknown hybrid
Ss	Sitka Spruce
Te	Western Yew

NATIVE HARDWOODS

A	ALDER
D	Red Alder
U	APPLE
Ue	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
Ae	Trembling Aspen
Ax	hybrid Poplars
Ab	Balsam Poplar
Ba	ARBUTUS
Ala	Arbutus
E	ASH
Ep	Alaska Paper Birch
Epp	Alaska x Paper Birch hybrid
Ew	Water Birch (Lutzie)
Ep	Paper Birch
K	OAK/GARRY
Dr	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wg	Pacific Willow
Wgb	Pacific Willow (Barclay's)
Wy	Pacific Willow (Lovett)
Wsl	Scouler's Willow
Wb	Sitka Willow (Ike's)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xl	unknown (Lutzie's list)
Z	other conifer
Zh	other hardwood

EXOTICS

E	ELM
Ee	Siberian Elm
Ep	ASPEN, COTTONWOOD or POPLAR
Epb	Balsam Cottonwood
Ew	European Birch
Ey	Black Cottonwood
Ey	Yellow Birch
Eyp	CHERRY
Ey	Bird Cherry
Ey	CYPRESS
Yp	"Port Orford Cedar
J	JUNIPER
Jp	"Rocky Mtn. Juniper
Lx	LARCH
Lxj	"Japanese Larch
MAPLE	
Mb	Boxelder
Mr	"Norway Maple
Ms	"Sycamore Maple
OAK	
Oc	"English Oak
Ow	"White Oak
Ow	"Garry x WHITE
Ow	"Chinese Oak
Ow	"Giant Sequoia
Ow	"Coast Redwood
Ow	"Japanese Blueberry Ash
Ow	"Eastern Elm (southern)
Ow	"Red Oak
Ow	"Japanese Elm
Ow	"White Ash
Ow	"Shagbarks Hickory
Ow	"Japanese Walnut
PINE	
Pm	"Mugo Pine
Pr	"Red Pine
Pp	"Eastern White Pine
Pp	"Scots Pine
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	1 - 10.0
2	10.1 - 13.0
3	13.1 - 16.0
4	16.1 - 19.5
5	19.6 - 22.5
6	22.6 - 27.4
7	27.5 - 32.4
8	32.5 - 44.4
9	44.5 - 64.4
0	65.5 +

4c. CROWN CLOSURE CLASS

CODE	LIMITS (percentage)
1	0 - 5
2	6 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
0	86 - 100

4d SITE INDEX
All SI are shown to the nearest metre referenced at 50 years breast height age. SI may be estimated from stem analysis or height sampling quadrats. Where an accurate SI cannot be obtained from age and height, estimated SI is shown either, or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees aren't present, e.g. recently logged areas. The SI is estimated from the site series it resembles if it is recorded 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
- sa 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 - herb with no distinction between forbs and graminoids.
- hg HERB - GRAMINOIDS - herb with forbs < 50% of the herb cover.

NON-TREED MIX-OID
- bg BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSSES - 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	gl	GRAVEL PIT
be	BEACH	la	LAKE
bf	BOG, TREED	lk	LANDING
br	BEDROCK	ls	LANDING
bu	BURNED AREA	lt	POND or LAKE SEDIMENTS
cb	CLIFF, BANK	mi	MINE, GRAVEL
cl	CLEARED SLOPE	mn	MORAINE
gl	GLACIER		

mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
ru	RUBBLY MINE SPOILS	rw	RAILWAY SURFACE
ot	OTHER	rz	RIVER SEDIMENTS
ot	OTHER	rd	ROAD SURFACE
sn	SNOW COVER	ta	TALUS
ri	RIVER	ts	TAILINGS
rr	RIVER, UNTRIAM	ur	URBAN

Note: Water categories (la, ls, rr, rz) will be labelled over 50 percent coverage.

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

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

SAND	SAND		
SILT	SILT FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NSR	NOT SUITABLE FOR RE-STOCKED		
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.

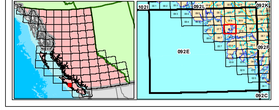
A	Animal Damage	L	Logging
B	Birds	M	Mine Damage
D	Deciduous Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seeding Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Protects Vegetation		

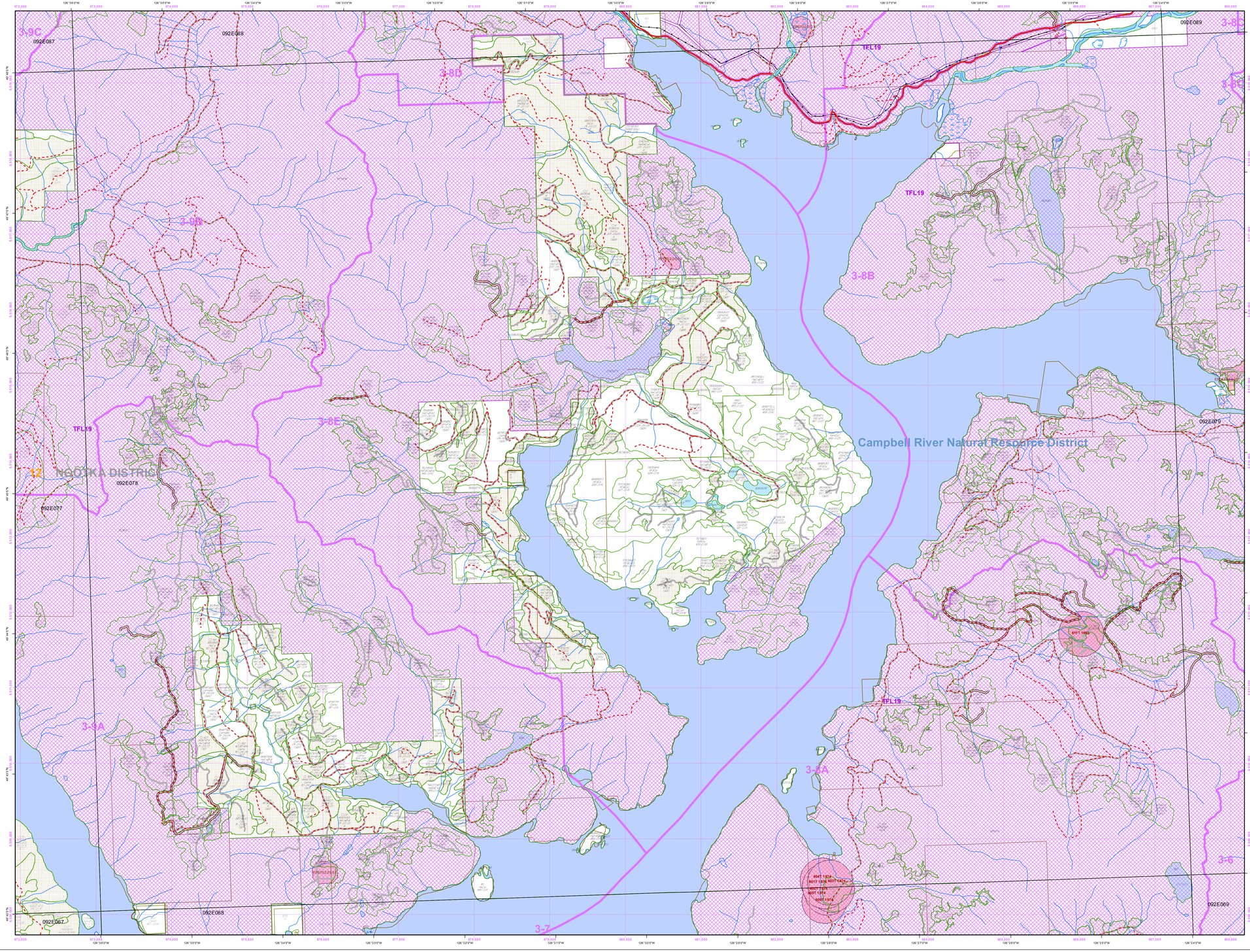
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either RIF 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 ID
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
WILDLIFE TREE RETENTION
WILDLIFE TREE PATCH





Overflow Labels

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