Vegetation Map
092E077

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRMS / Ownership
Base Map Source: TRIM / Terrtalis

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, 2018.

MAP SYMBOLOGY

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

TRIM - Base Features:
- Re-Built Roads
- Forest Service Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolines/Islands - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- Bcr 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 (< 1:500,000 ha / 1% to hatch)
- Municipal boundary (> 1:500,000 ha / no hatch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- BCGS Map sheet Grid (1:20,000)

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

	LINE DESCRIPTION
C1E	1. Silviculture symbol and Opening Number
E2C	2. Polygon Number and multi-layer stand indicator (L)
Fd 60	3. Species Composition
Hw 30	Multi-layer stand: Dominant layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
At 10	4. Age, Height, Crown Closure Class Code - separator - Site Index = estimated SI
Amo	ex: stand is age class 2 (21-40 yrs); height class 1 (0.1-10.4m); crown closure class 1 (6-15%); SI 20m
Cw/Fd	5. Species Composition - Leading species - Associate species (optional)
	ex: a mixed stand with no distinction between forbs and graminoids, shrubs less that 2m
	6. Disturbance History & year - ex: Logged in 1974

Line 1 - History Record Opening Number

xxxx - opening number valid for BCGS mapsheet .xxx - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRMS Polygon Number - ranging from one to nine digits
A, B - 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	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	Sweetcr Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Pj	Ponderosa Pine (yellow)
Pla	Black Pine (Lodg)
Plc	Shore Pine (Lodg)
Pw	Whitebark Pine
Py	Yellow Pine
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	Hybrid Spruce
Sxe	Engelmann x White
Sxl	Sitka x White
Sxw	White x Unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	APPLE
Ep	Pacific Crab Apple
Ew	Black COTTONWOOD or POPLAR
Ep	Poplar
Epb	Balsam Poplar
Epc	Black Cottonwood
Epd	Hybrid Poplars
Et	Trembling Aspen
Ew	Cottonwood
K	KINNIKINNICK
E	BIRCH
Ep	Alaska Paper Birch
Epg	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Eg	Water Birch
G	GARRYA
Ag	Cascara
Gs	Salal
H	Bitter Cherry
H	Choke Cherry
Hp	Pin Cherry
O	DOGWOOD
Dp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gb	Garry Oak
W	WILLOW
Wb	Black Willow
Wp	Pacific Willow
Wrd	Peachleaf Willow (Bardayi)
Wsi	Scouler's Willow (Sitka Willow)
Wt	Trembling Aspen
Wy	Willow (unidentified)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xd	unknown deciduous
Z	OTHER (tree not on list)
Zc	other conifer
Zd	other hardwood

EXOTICS

E	APPLE
Ep	Pacific Crab Apple
Ew	Black COTTONWOOD or POPLAR
Ef	Southern Cottonwood
Ep	Poplar
Eb	European Birch
Ey	Silver Birch (exempt)
Ew	Cottonwood
G	GUELDER
Y	Sweet Cherry
L	LARCH
Lo	Red Willow Cedar
F	FIR (Balsam)
Fa	Amabilis Fir
Fg	Grand Fir
Fb	Shasta Red Fir
Fl	Subalpine Fir
H	HEMLOCK
Hc	Western Hemlock
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Pj	Ponderosa Pine (yellow)
Pla	Black Pine (Lodg)
Plc	Shore Pine (Lodg)
Pw	Whitebark Pine
Py	Yellow Pine
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	Hybrid Spruce
Sxe	Engelmann x White
Sxl	Sitka x White
Sxw	White x Unknown hybrid
T	YEW
Tw	Western Yew

OTHER HARDWOODS

Ac	Balsam Poplar
Act	Black Cottonwood
Ae	Trembling Aspen
Ag	Cascara
Ah	Hawthorn
Ai	Indian Plum
Al	Alder
Ar	Red Alder
As	Sitka Alder
At	Tamarack
Ay	Yellow Birch
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
Bm	Mountain Maple
Bp	Paper Birch
Bpg	Alaska x Paper Birch hybrid
Bpl	Paper Birch (white)
Bw	Water Birch
C	CEDAR
Cd	Deciduous Cedar
Cw	Western Red Cedar
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Line 4

4a. AGE CLASS

CODE	LIMITS (years)
1	1-20
2	21-40
3	41-60
4	61-80
5	81-100
6	101-140
7	141-250
8	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)
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 estimates in the lead inventory referenced at 50 years breast height age. Site index is estimated by the following species leading species. Where an accurate SI is not 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 cannot present, e.g. young stands, deciduous, etc. SI is based on the following order of precedence 1. Associated Soils 2. the data base site inventory 3. Type Group and SI estimated source code.

Line 5 - Vegetation records

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

NON-TREED SHRUB
- a SHRUB TALL - shrub with average shrub height > or = to two metres.
- d SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- g GRAMINOID - herb with no distinction between forbs and graminoids.
- f or hf HERB - FORBS - herb with forbs > 50% of the herb cover.
- gr or hg HERB - GRAMINOID - herb with graminoids > 50% of the herb cover.

NON-TREED SHRUB
- fs SHRUB - FORBS - treed with no distinction between treeed and forbes by cover.
- sm SHRUB - MOSS - treed with mosses, liverwrts, and liverwrts > 50% of the treed cover.
- sg SHRUB - GRAMINOID - treed with trees > 50% of the treed cover.

NON-VEGETATED CATEGORIES (for V and I records)

ar	ANTHROPOGENIC	mu	MUDFLAT SEDIMENT
be	BEACH	mv	RUBBLY MINE SPOILS
b	BLOCKFIELD	od	OCEAN
bl	BOULDERS	oi	ICE/SNOW
bi	BURNED AREA	os	SNOW COVER
ca	CLIFF & LAKE SEDIMENTS	rs	ROCK
cn	CONTINENT	ri	RIVER / STREAM
cb	CONTINENTAL SLOPE		
gl	GLACIER		

rm	RESERVOIR MARGIN
rw	RAILWAY SURFACE
rz	RIVER SEDIMENTS
sa	SALT MARSH
sl	SALUS
sp	SPOIL
ur	URBAN

Note: Water categories (ls, os, ri) not labelled on 92E percent coverage.

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

AF	ALPINE FOREST (Species	NPBG	NON-PRODUCTIVE
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN
D	DUGOUT	NPDS	NON-PRODUCTIVE FOREST (Spruce
G	GRAVEL BAR	NPL	NON-PRODUCTIVE LAKE
GR	GRAVEL PIT	OR	OPEN RANGE
L	LAKE	R	ROCK
M	MEADOW	RDGA	RIDGE
MUD	MUD FLAT	S	SWAMP

SAND	SAND		
TAE	TIDAL FLAT		
U	URBAN		
NC	NON-COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NF	NON-FOREST		
NFA	NOT APPLICABLE / 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	Wild Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seedling Fungal Pathogens
I	Insects		

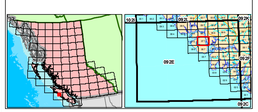
R	Site Rehabilitation
T	Treatment Injuries
U	Damage Unknown
V	Problem Vegetation

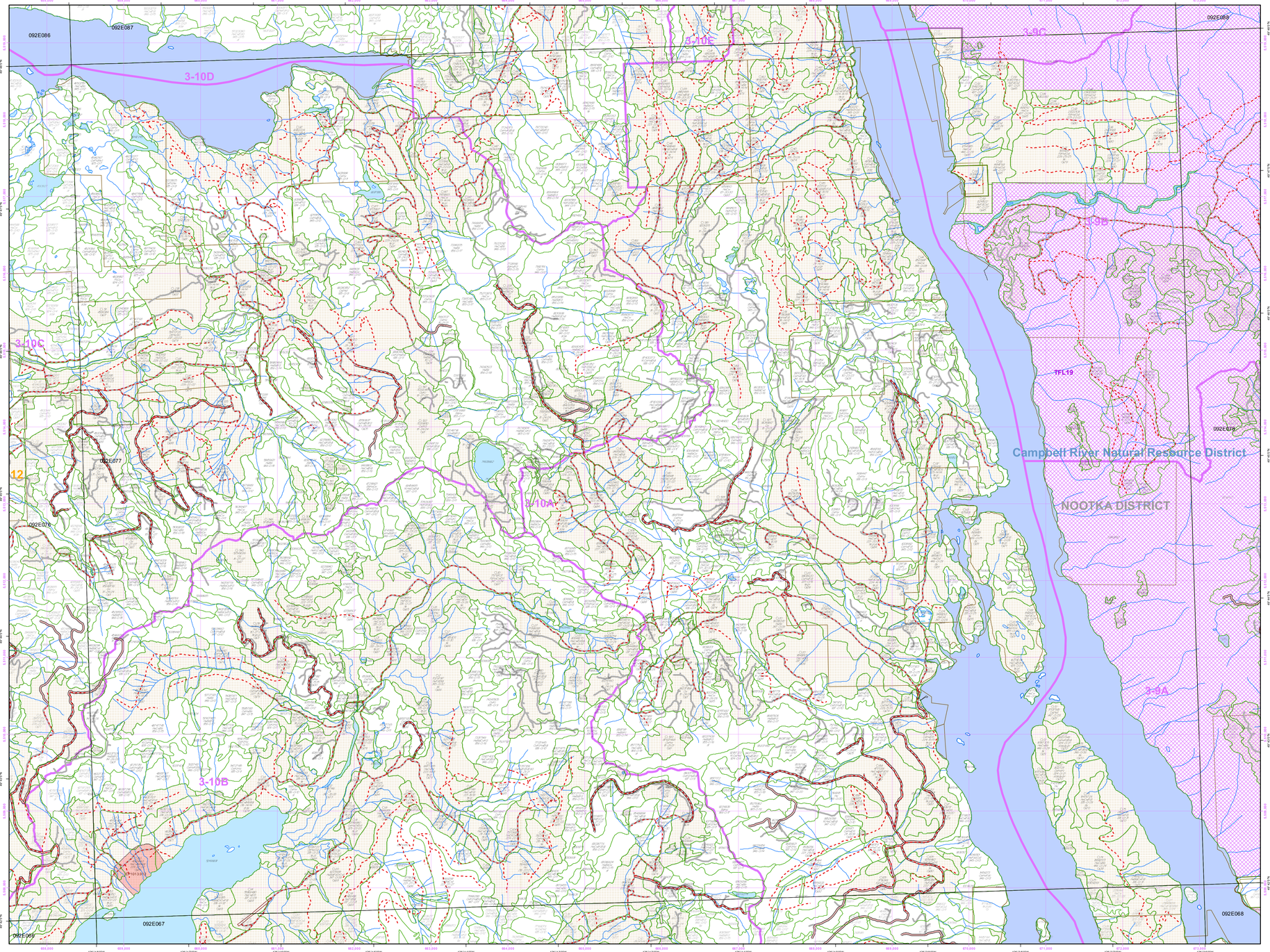
Example Opening History Details

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

The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select SILVICULTURE tab then click on "Display Silviculture Maps" to turn on display values for :

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
OPENING - PLANTING UNIT
STANDS ON LAND
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels