BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093J039

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
- Siviculture Opening in Vegetation
- Permanent Sample Plot (GYS)
- 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
- HydroNavBarriers - 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:

⬡12
123/L
Fd(Hw)
211-20
he,sl
⊖L78

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 (Dougls Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator 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

⬡12 - opening number valid for BCGS mapsheet
blank - 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 availiable in the data base, i.e. 1,2)

Line 3 - BC Tree Code List

Species Compsition: 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 dataed 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 hydrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Pxj	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Plc	Shore Pine (coast)
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	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
Ac	Poplar
Acb	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
R	ARBUTUS
Ra	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Exp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vv	Choke Cherry
Vp	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
Wa	Peachleaf Willow (Barclay's)
Wd	Pussy Willow (gray-leaved)
Ws	Scouler's Willow
Wt	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

	APPLE
Ua	Apple
	ASPEN, COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
	BIRCH
Ee	European Birch
Es	Silver Birch (swamp)
Ey	*Yellow Birch
	CHERRY
Vs	Sweet Cherry
	CYPRESS
Yp	*Port Orford Cedar
	FIR (Balsam)
Bb	*Balsam Fir
Bp	Noble Fir
Bm	*Shasta Red Fir
Bc	*White Fir
	LARCH
Ld	*Dahurian Larch
Ls	*Siberian Larch
	MAPLE
Me	Box Elder
Mn	*Norway Maple
Ms	*Sycamore Maple
	OAK
Qe	*English Oak
Qw	*White Oak
	OTHER EXOTICS
Oa	*Incense Cedar
Ob	*Giant Sequoia
Oc	*Coast Redwood
Od	European Mountain Ash
Oe	Siberian Elm (southern)
Of	Common Pear
Og	Oregon Ash
Oh	*White Ash
Oi	*Shagbarck Hickory
Oj	Tree-of-heaven
Ok	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Ps	*Sugar 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 leading species. When an accurate 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 arenot 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

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

NON-TREED SHRUB

st	SHRUB TALL	- shrub with average shrub height > or = to two metres.
sl	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 gaminoids > 50% of the herb cover.

NON-TREED BRYOID

by	BRYOIDS	- 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

el	Exposed Land
ro	Rock / Rubble
si	Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT
be	BEACH
bl	BLOCKFIELD
br	BEDROCK
bu	BURNED AREA
cb	CUTBANK
es	EXPOSED SOILS
gl	GLACIER
gp	GRAVEL PIT
la	LAKE
lb	LAVA BED
ll	LANDING
ls	POND or LAKE SEDIMENTS
mi	OPEN PIT MINE
mn	MORAINE
mu	MUDFLAT SEDIMENT
mz	RUBBLY MINE SPOILS
oc	OCEAN
ot	OTHER
pn	SNOW COVER
re	RESERVOIR
ri	RIVER / STREAM
rm	RESERVOIR MARGIN
rm	RAILWAY SURFACE
rs	RIVER SEDIMENTS
rz	ROAD SURFACE
ta	TALUS
tz	TAILINGS
ur	URBAN

Note: Water categories (la, oc, re, ri) not labelled over 90 percent coverage.

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

A	ALPINE
AF	ALPINE FOREST /Species
C	CULTIVATED
CL	CLAY BANK
G	GRAVEL BAR
GR	GRAVEL PIT
ICE	ICEFIELD
M	MEADOW
MUD	MUD FLAT
NP	NON PRODUCTIVE
NPBR	NON PRODUCTIVE BRUSH
NPBU	NON PRODUCTIVE BURN
NPF	NON PRODUCTIVE FOREST /Species
NTA	NO TYPING AVAILABLE
OR	OPEN RANGE
P	HAYFIELD
R	ROCK
S	SWAMP
SAND	SAND
TIDE	TIDAL FLAT
U	URBAN
NC	NON COMMERCIAL
NCBR	NON COMERCIAL BRUSH
NP	NON PRODUCTIVE
NSR	NOT SUFFICIENTLY RESTOCKED
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.

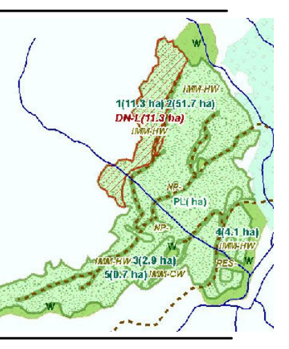
A	Animal Damage
B	Wildfire
C	Cone and Seed Insects
D	Diseases
I	Insects
L	Logging
M	Mite Damage
N	Non-Biological Injuries
P	Cone and Seedling Fungal Pathogens
R	Site Rehabilitation
T	Treatment Injuries
U	Damage Unknown
V	Problem Vegetation

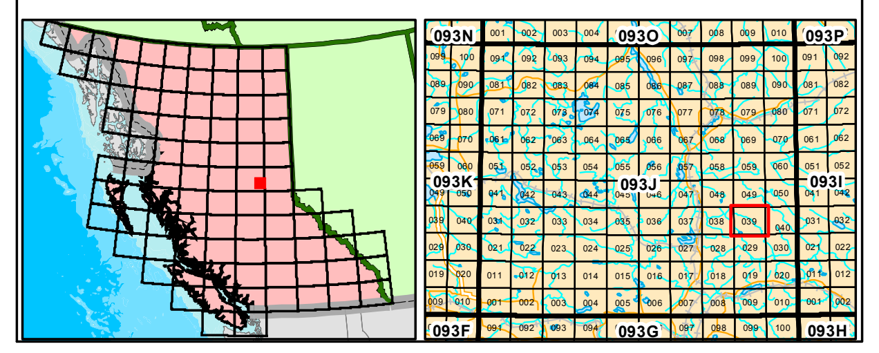
Example Opening History Details

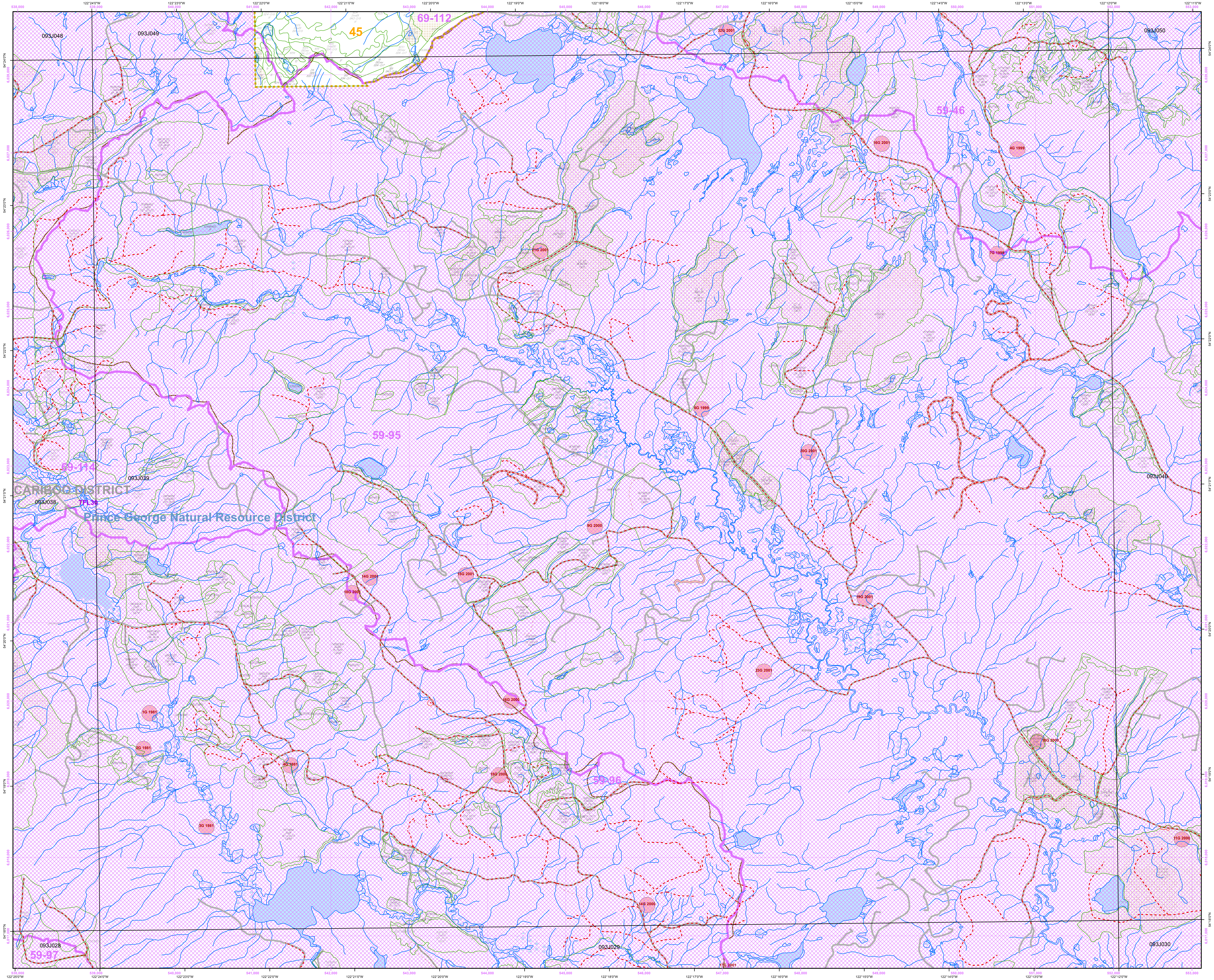
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

1 sl	11126072 SxBl 211-20/20 ⊖L96	61142479 SxBl 111-21/21 ⊖L02	75683237 SxBl(Fdi) 733-15/14 ⊖L98	⬡ 10 89466960 SxBl 843-0/14
2 BlSxw 833-0/12 st	11776277 SxBl 211-23/23 ⊖L96	61564702 sl	76514505 SxBl 642-15/23	89612412 PliSx(Bl) 111-22/22 ⊖L90
4 BlSxw 824-0/6 sl,he	12376387 SxBl 211-23/23 ⊖L96	61666455 sl	76757346 Sx(Bl) 111-21/21 ⊖L01	89925056 SxBl 842-15/19
5 BlSxw 824-0/6 sl	12396193 sl	62163382 Sx 844-0/13	76955283 Sx(Bl) 111-22/22 ⊖L00	90102553 PliSx(Bl) 111-22/22 ⊖L90
6 Bl 830-0/11 sl,he	12477623 SxBl 111-20/20 ⊖L00	62852838 SxBl 526-0/12	78454542/L BlSx 635-15/14 ⊖L00	⬡ 10 90166177 SxBl 843-0/14
7 SxwBl 835-0/10	⬡ 11 13396332 BlSx 835-0/13	62895956 SxBl 211-18/18 ⊖L92	78911808 SxBl 643-15/25 ⊖	90174098 sl
8 SxwBl 841-0/9 sl	14037778	64022883 Sx 111-21/21	81021593 SxBl 643-15/25 ⊖	90452622 FdiBlSx 222-26/26 ⊖L90
9 BlSxw 833-0/7 sl	15537053 SxBl 112-19/19 ⊖L94	64223749 sl	81121346 SxBl 733-16/15	90772334 PliSx(Bl) 111-22/22 ⊖L90
11 SxwBl 840-0/9 sl,he	15725737 SxAct 643-15/23	64482592 Sx 111-21/21	81871348 Sx(Bl) 111-18/18 ⊖L02	91315361/L BlSx 732-20/13 ⊖L00
12 SxwBl 831-0/8 sl	17065719 SxAct 643-15/23	64583924 SxBl 228-19/20 ⊖L75	82161393 Sx(Bl) 112-21/21 ⊖L02	91343247
13 SxwBl 833-0/10 st	21627605 Sx(Bl) 211-18/18 ⊖L89	64832647 SxBl 526-0/12	82241667 PliSx(Bl) 112-21/21 ⊖	91742253 Pli 223-21/21 ⊖L90
14 BlSxw 834-0/7	23897773 sl	65402708 Sx 111-21/21	83341688 SxBl(Ep) 112-21/21 ⊖	91765362 SxBl 842-15/19
15 BlSxw 834-0/7 sl	24117713 Sx(Bl) 211-18/18 ⊖L89	66425910 SxBl 211-18/18 ⊖L92	83872707 PliSx(Bl) 111-22/22 ⊖L90	91832340 FdiBlSx 222-26/26 ⊖L90
16 BlSxw 834-0/7	24557864 Sx(Bl) 211-18/18 ⊖L89	66863624 Sx(Bl) 212-18/18 ⊖L75	85303782 SxBl 211-24/24 ⊖L95	91864024 SxBl 641-15/25 ⊖L97
17 Sxw(Bl) 834-0/9 sl	25527921 Sx(Bl) 211-18/18 ⊖L89	67142656 SxBl 526-0/12	85472519 Sx(BlFdi) 111-25/25 ⊖L90	92605108 SxBl 842-15/19
18 Sxw(Bl) 830-0/8 sl	25927926 sl	67353159 FdiSxBl 212-26/26 ⊖L96	85936685 SxBl 111-23/23 ⊖L98	92715073/L BlSx 732-20/13 ⊖L00
22 BlS 825-0/7	⬡ 12 26012964 SxBl 843-0/14	67363629 sl	85945743 Sx 211-18/18 ⊖L94	92732266 PliSx(Bl) 111-22/22 ⊖L90
26 S(Bl) 943-0/9	27056779 SxBl 211-18/18 ⊖L93	67903631 Sx(Bl) 212-18/18 ⊖L75	86335963 sl	93014020 sl
28 S(Bl) 943-0/9	27387906 sl	68323228	86522207 SxBl(Fdi) 212-20/20 ⊖L90	94474625 SxBl 651-15/27 ⊖L95
30 S 833-0/7	⬡ 6 28524780 SxBl 844-0/14	69943480 Sx(Bl) 212-18/18 ⊖L75	86892116 PliSx(Bl) 111-22/22 ⊖L90	94814020 SxBl 641-15/25 ⊖L97
⬡ 13 4464676 SxBl 845-0/17	29437781 Sx(Bl) 211-18/18 ⊖L89	70145364 SxBl 645-15/21 ⊖L95	87483520 SxBl 211-24/24 ⊖L95	95497398
⬡ 11 5646202 BlSx 835-0/13	29538110 Sx(Bl) 211-18/18 ⊖L89	70165340 sl	87545792 sl	⬡ 9 96487299 BlSx 522-0/9
⬡ 13 6164585 ⊖L14	30317690 Sx(Bl) 211-18/18 ⊖L89	70955104 Sx 211-19/19 ⊖L95	87562528 PliSx(Bl) 111-22/22 ⊖L90	⬡ 5 98286188 SwBl 843-0/15
6275585 SxBl 211-23/23 ⊖L95	31015452 SxBl 112-21/21 ⊖L99	70993177 SxFdi(Bl) 211-23/23 ⊖L96	⬡ 10 87766531 SxBl 843-0/14	
6465853 SxBl 211-23/23 ⊖L95	31125535 SxBl 112-21/21 ⊖L99	72032892/L Bl 622-20/10 ⊖L99	88014173 SxBl 641-15/25 ⊖L97	
6706332 SxBl 211-20/20 ⊖L96	31523487 sl	72873848 SxBl 211-21/21 ⊖L95	88265197 SxBl 111-20/20 ⊖L00	
7705726 SxBl 211-23/23 ⊖L95	⬡ 12 33172349 SxBl 843-0/14	72922393 SxFdiBl(Ep) 211-27/27 ⊖L96	88324120 Sx(Bl) 111-26/26 ⊖L97	
8245461 SxBl 211-23/23 ⊖L95	⬡ 8 56673931 SxBl 844-0/19	73022843/L Bl 622-20/10 ⊖L99	88385126 SxBl 111-20/20 ⊖L00	
9845968	58182452 Sx(Bl) 111-21/21 ⊖L02	73441817/L BlSx 533-21/13 ⊖L98	88503761 Sx(Bl) 211-24/24 ⊖L95	
10256282 SxBl 211-20/20 ⊖L96	59276885 BlSx 426-18/16 ⊖L72	73927361 Sx(Bl) 111-21/21 ⊖L01	88535327 SxBl 842-15/19	
⬡ 11 10345805 BlSx 835-0/13	59953882 Sx 844-0/13	74362802 SxBlFdi 645-15/25 ⊖L99	⬡ 10 88896288 SxBl 843-0/14	
⬡ 33 10437909 BlSx 831-0/12	60785983 SxBl 211-18/18 ⊖L92	74503071 SxBlFdi 645-15/25 ⊖L99	88974129 sl	
10896300 sl	60994715 SxAt 217-19/19 ⊖L73	75544680 SxBl 642-15/23	89065212 sl	