093I010

Vegetation Map

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BRITISH COLUMBIA
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 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:

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

○12 123/L Fd(Hw) 211-20 he,sl GL78

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)	4b HEIGHT CLASS CODE	LIMITS (metres)	4c CROWN CLOSURE CLASS CODE	LIMITS (percentage)
				0	0 - 5
1	1-20	1	0.1 - 10.4	1	6 - 15
2	21-40	2	10.5 - 19.4	2	16 - 25
3	41-60	3	19.5 - 28.4	3	26 - 35
4	61-80	4	28.5 - 37.4	4	36 - 45
5	81-100	5	37.5 - 46.4	5	46 - 55
6	101-120	6	46.5 - 55.4	6	56 - 65
7	121-140	7	55.5 - 64.4	7	66 - 75
8	141-250	8	65.5 +	8	76 - 85
9	251 +			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.

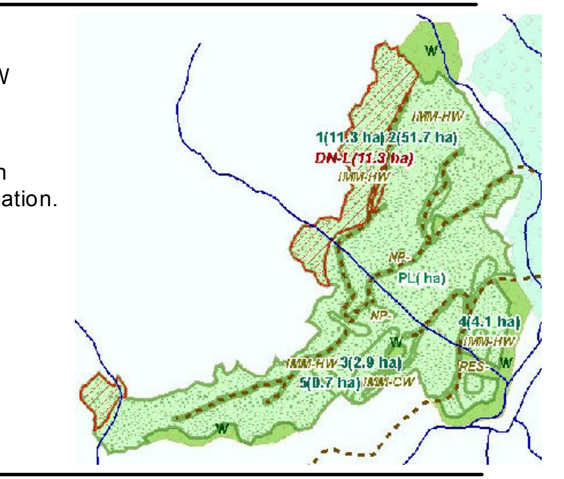
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

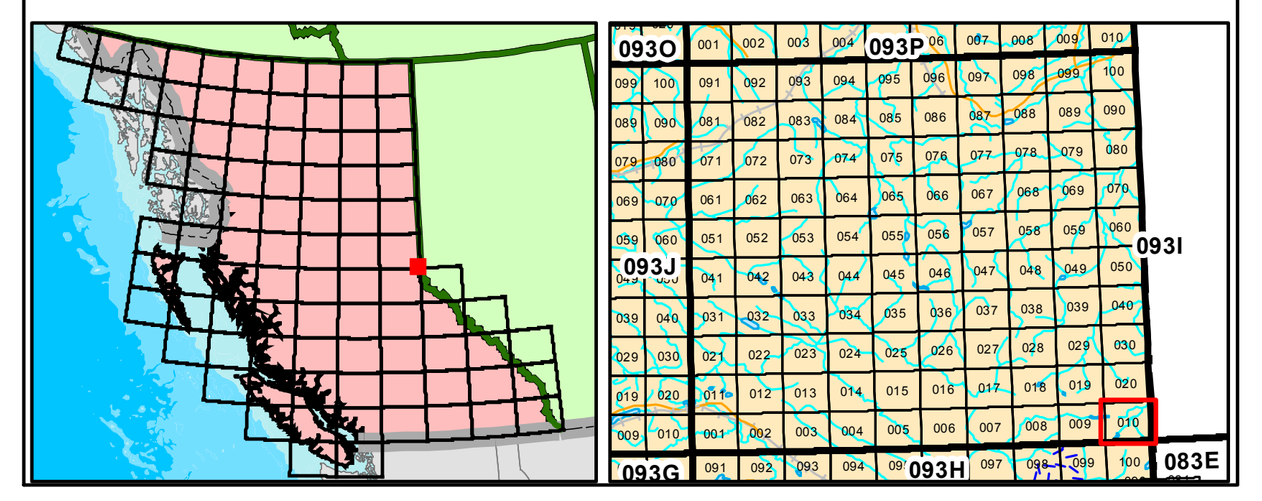
Example Opening History Details

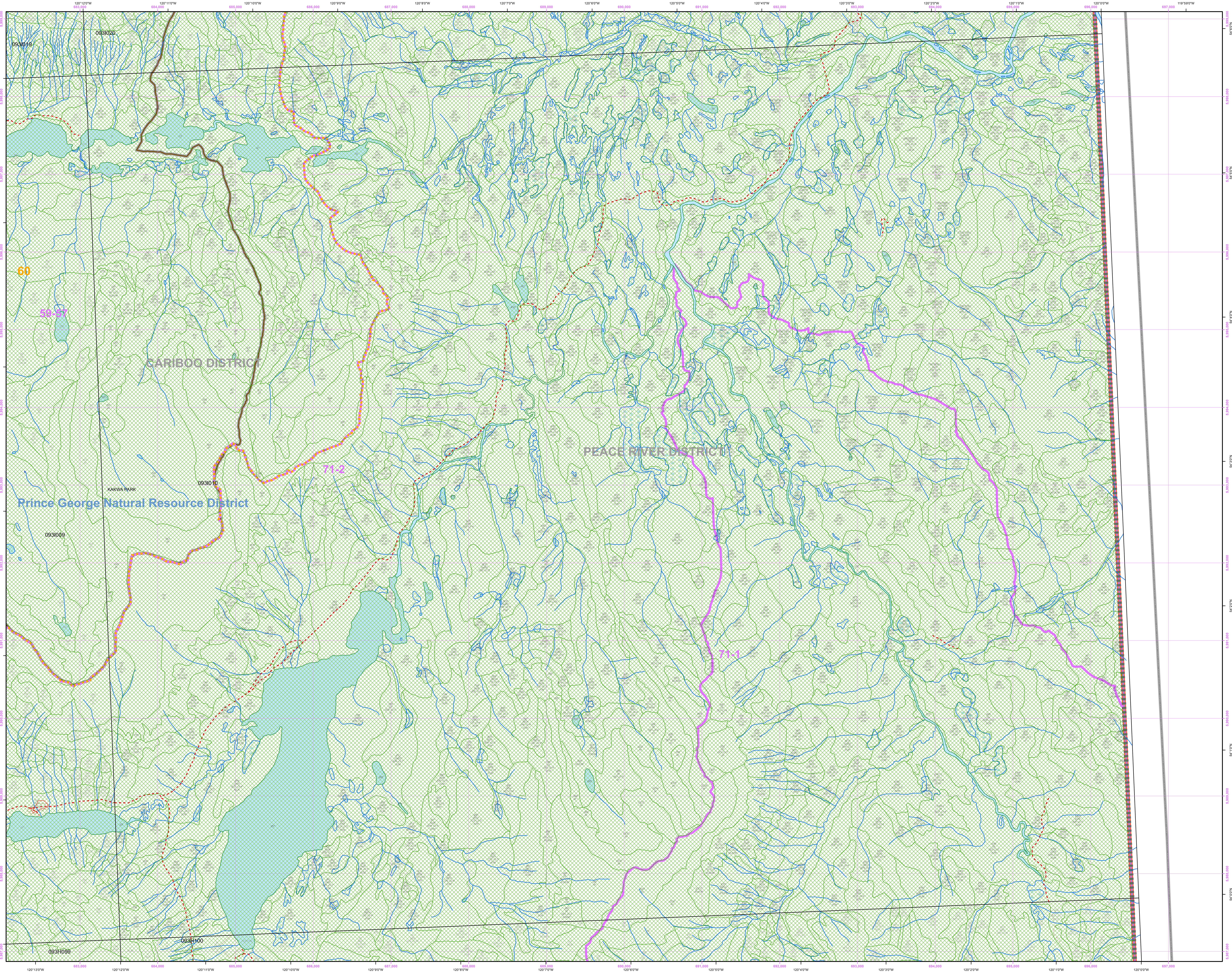
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

8 SxBl 820-0/5 sl he	178 SxBl 830-0/5 sl he	437 SxBl 820-0/5 sl he	750 Bl 411-0 ta	59093854/L PlSx 833-0/10 sl he G/05
10 BlSx 823-0/6 he,sl	184 sl hg	440 SxBl 834-0/5 sl he	751 Bl 411-0/2 sl pn he	60334054/L SxPl(Bl) 833-0/5 sl he G/03
11 BlSx 720-0/6 sl	185 BlSx 823-0/5 sl	445 sl he	755 Bl 411-0/2 sl ta	66863794/L PlSx 834-0/11 sl he G/05
14 BlSx 511-0/6 sl te ri	186 SxBl 833-0/5 sl he	455 SxBl 820-0/5 sl hg	761 Bl 613-0/5 sl ta he	69143669/L SxPl(Bl) 834-0/5 sl he G/11
16 BlSx 825-0/5 sl he	193 BlSx 824-0/5 sl he	456 SxBl 821-0/5 sl he	763 SxBl 825-0/5 sl	70534001/L Pl(Sx) 805-0/12 sl he G/04
30 BlSx 414-0/7 sl he	218 SxBl 831-0/5 sl he	467 SxBl(Pl) 834-0/5 sl he	781 BlSx 825-0/6 sl	71064169/L SxPl 834-0/10 sl he G/11
32 BlSx 411-0/6 sl he	220 SxBl 830-0/6 sl hg	468 SxBl 830-0/5 sl he	816 BlSx 614-0/4 sl he	72954131/L PlSx 834-0/11 sl he G/03
37 BlSx 826-0/6	269 PlSx 834-0/11 sl he	469 SxBl 830-0/5 sl he	818 Bl(Sx) 511-0/3 sl te es	75024203/L PlSx 834-0/11 sl G/03
38 BlSx 820-0/6 sl	274 SxBl 833-0/6 sl he	540 SxBl 723-0/7 sl he	829 Bl 510-0/4 br	76723525/L SxPl(Bl) 805-0/7 sl G/11
46 BlSx 825-0/6 sl he	275 SxBl 820-0/4 sl ta he	547 Bl 620-0/8 sl he	864 Sx(Bl) 830-0/5 sl he	76942430/L SxPl(Bl) 834-0/5 sl he G/11
48 BlSx 823-0/5 sl he	276 SxBl 835-0/5 sl	550 Bl 612-0/3 sl te es	872 SxBl 921-0/3 sl he	77883602/L SxPl 805-0/7 sl G/11
58 BlSx 826-0/7 he	278 Bl 511-0/5 sl he	577 Bl 512-0/2 sl ta he	876 SxBl 830-0/5 sl te es	80863594/L SxBl(Pl) 805-0/6 sl he G/05
74 SxBl 824-0/4 sl hg	282 Bl 510-0/3 ta,sl he	578 Bl 720-0/6 es sl he	882 SxBl 821-0/7 sl hg	
87 SxBl 936-0/7 sl	296 BlSx 724-0/6 sl he	580 Bl 410-0 ta,sl he	896 SxBl 836-0/6 sl	
88 SxBl 822-0/4 hg,sl	311 Bl 410-0 ta,sl	585 Bl 511-0/4 sl ta he	928 Bl(Sx) 724-0/4 sl he	
90 SxBl 835-0/6 he,sl	320 Bl 510-0/4 ta,sl	589 sl he ta	930 Bl 513-0/3 sl he	
93 BlSx 824-0/5 sl he	338 Bl 512-0/3 sl he	591 Bl 612-0/5 sl te es	936 Bl 512-0/2 sl ta he	
94 SxBl 821-0/5 sl hg	343 Bl 510-0/3 sl he	592 sl he ta	949 SxBl 821-0/5 sl he	
96 BlSx 722-0/6 sl hg	344 Bl 511-0/3 sl he	594 Bl 623-0/7 sl he	1019 Bl 710-0/3 sl he ta	
102 BlSx 822-0/5 sl he	348 sl he	596 Bl 623-0/5 sl he	1023 Bl 821-0/4 sl ta he	
106 BlSx 825-0/5 sl he	354 Bl 510-0/3 pn,sl	599 Bl 612-0/5 sl he	1028 SxBl 830-0/6 sl he	
109 BlSx 825-0/5 sl	359 Bl 611-0/4 sl ta he	610 SxBl 833-0/5 sl he	1066 Bl(Sx) 723-0/5 sl he	
115 BlSx 723-0/6 sl hg	362 Bl 610-0/3 sl he ta	616 Bl 612-0/4 sl he	1067 Bl(Sx) 611-0/4 sl he	
128 BlSx 824-0/5 sl he	370 Bl 510-0/3 sl	618 Bl 826-0/5 sl	1100 Bl(Sx) 822-0/6 sl he	
130 BlSx 821-0/4 sl he	371 Bl 410-0 sl ta	629 SxBl 830-0/5 sl he	1102 Bl 512-0/3 sl he ta	
138 Sx(Bl) 830-0/6 sl he	394 Bl 612-0/3 sl ri he	651 Sx 835-0/5 sl	1103 Bl 510-0/4 sl he	
139 SxBl 831-0/5 sl hg	399 Bl 613-0/5 sl he	671 BlSx 820-0/5 sl he	1111 BlSx 823-0/5 sl he	
146 BlSx 824-0/5 sl he	404 Sx(Bl) 833-0/6 sl he	672 SxBl 830-0/5 sl	1113 SxBl 834-0/6 sl he	
165 SxBl 821-0/5 sl he	409 Sx(Bl) 834-0/6 sl he	676 Sx(BlPl) 830-0/6 sl he	1114 sl hg	
171 Sx(Bl) 830-0/5 sl he	416 SxBl 820-0/5 sl he	693 Sx(Bl) 833-0/7 es sl he	1125 Bl 510-0/5 sl hg	
173 BlSx 822-0/5 sl he	418 SxBl 830-0/5 sl he	732 Bl(Sx) 720-0/6 sl he	1127 BlSx 823-0/4 sl he	
175 SxBl 834-0/5 sl	423 SxBl 834-0/5 sl he	746 Bl(Sx) 612-0/5 sl he	1324 Bl(Sx) 612-0/5 sl he	

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