British Columbia
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map

082L100

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
- Silviculture 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
GL78

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   DD/TK - 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 available 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 *Shagbark 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		4b HEIGHT CLASS		4c CROWN CLOSURE CLASS	
CODE	LIMITS (years)	CODE	LIMITS (metres)	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 distincton 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
rn 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

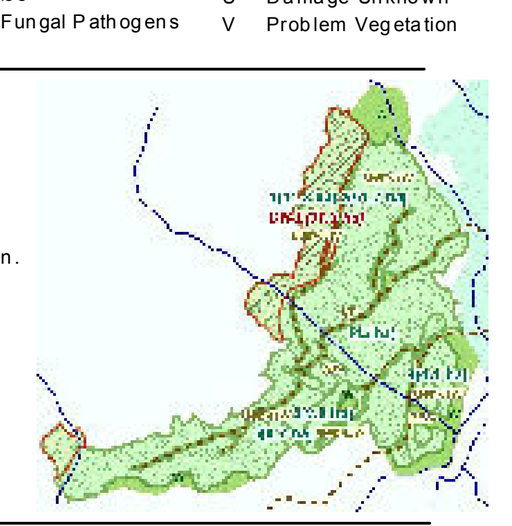
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

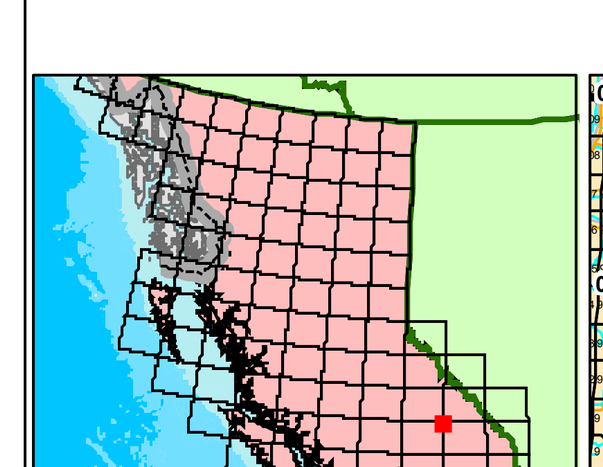
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

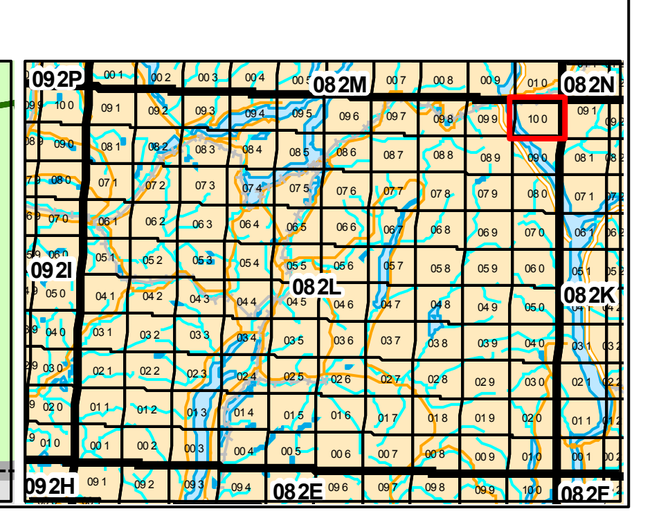
Example Opening History Details

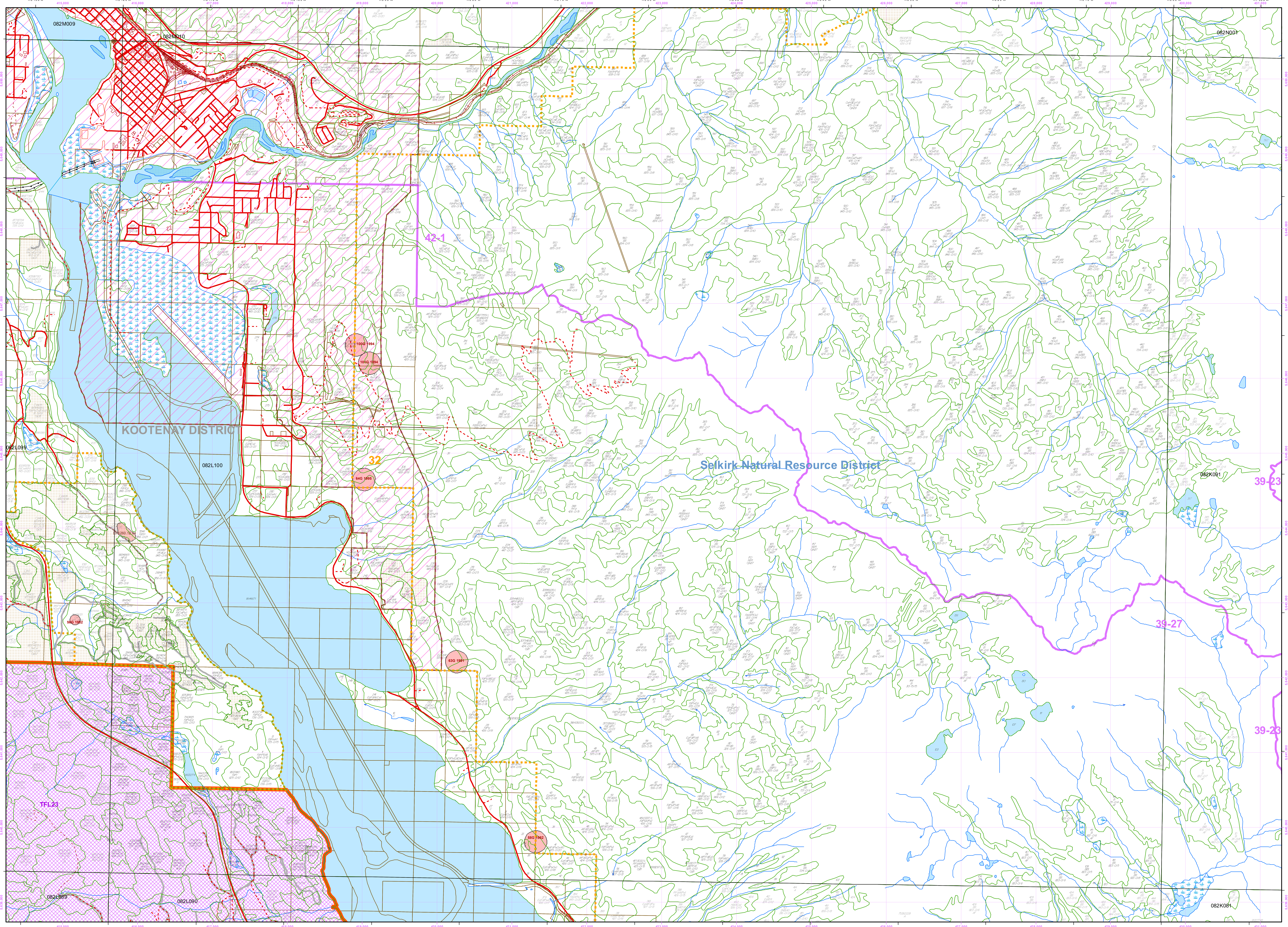
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

5 FdCw(AtPw) 745-0/19	177 PlBS 424-0/11	453 BS(Pa) 624-0/8	718 HSCwB(Ep) 636-0/15	8923054 HwFdi(Cw) 846-0/15 sl
15 FdHw(AtS) 846-0/18	183 EpFd(Pl) 436-0/18	454 BS(H) 834-0/9	720 SB(H) 845-0/11	9222814 sl tz
18 AtFdEp(H) 435-20/20	186 HFdAt(Pl) 436-0/16	455 SBH 834-0/8	732 BS 422-0/9	9483133 FdiEp(CwPl) 112-23/23 GID0
21 FdEpAcCw 535-0/17	192 PlEpFd(At) 425-0/16	458 BS 323-0/12	3778 FdHwCw 846-0/18	9502815 CwHwAct 336-0/20
22 FdAtEp 532-0/15 NP	193 HS(Cw) 842-0/18	474 SHBCw 835-0/10	234432 FdPwH(Cw) 846-0/21	10113003 FdiEp 753-0/23 te sl
26 FdEpAcCw 535-0/17	203 AtPl(Fd) 434-0/21	486 H(B) 531-0/12	363887 FdiEp(CwHwPwSx) 113-23/23 sl GID9	10653028 FdiEpHwPl(Pw) 112-23/23 GID0
33 EpCwPwFdAt 436-0/20	207 AtFd(Pl) 323-0/12 NP	547 BS 424-0/10 GN37	752989 FdiHwCw 447-0/28 bl	10823108 FdPl(PwEp) 111-19/19 sl te G
35 FdEpCw(At) 644-0/21	208 PlAt(Fd) 423-0/10 NP	585 FdAtEp(H) 523-0/8 NP	○2037 833823 FdiPlPwSx 212-19/19 sl GID9	11503143 FdiEpHwPlPw 112-23/23 GID0
38 AtEpFd(PwCw) 434-0/16	228 FdPwEpCwH 527-0/12	591 CwHAcEpFd 745-0/20	962669 HwCw 846-0/14	11862915 FdiEp(Pl) 112-23/23 GID0
39 FdEpPwAtCw 435-0/19	237 FdEp 546-0/24	617 EpCw(AtFdPw) 745-0/23	○701 1014223 HwFdi(Cw) 040-0 GID4	13572886 FdiHw(Cw) 645-0/18 sl
42 AtEpFd(PwCw) 434-0/16	246 EpAc 438-0/17	621 EpCw(Ac) 745-0/24	○702 1164112 Fdi 111-21/21 GID4	13722610 FdiHw 433-0/18 br te
46 FdH(SCw) 843-0/15	260 FdH(CwEp) 425-0/12	622 EpCw(AtPw) 635-0/22	14152783 HwCw 803-0/10 te br G	14862753 FdiHw 833-0/15 te br
76 HB(FdCw) 845-0/12	264 HFdEp 325-18/18	634 EpCwAc 635-0/16	562810 HwCwFdiSe 225-0/21 te G	17752755 FdiHwCw 636-0/17
81 EpHCw 328-0/14	273 EpAcCwHw 645-0/23	640 AtEpCwFd 545-0/24	○701 1974283 EpFdiCwHwLw 114-21/21 GID4	20885267/L FdH(PlAtEp) 535-0/19 GI11
87 HCw 745-0/20	275 EpHCwAc 536-0/20	641 AtEpFdCw 535-0/17	2074474 FdCw(Pw) 855-0/21	23739219 FdCwPwAtH 635-0/19
88 HBS 845-0/11	279 AcCwEpH 644-0/26	645 PwEpFdAtH 445-0/23	○702 2164104 Fdi 111-21/21 GID4	30693902/L FdAt(Pl) 434-0/20 GI11
92 BAtS 524-0/8	284 EpAtH 532-0/14 NP	648 FdPw(AtEpCw) 435-0/21	○701 2334275 HwFdi(Cw) 040-0 GID4	32454697/L PlFdAt 434-0/21 GI11
95 BS 725-0/9	297 EpS(FdAt) 436-20/20	650 FdPw(HAt) 646-0/20	2723345 sl tz	39643920/L FdPl(Ep) 535-0/16 GI11
100 B 722-0/6 AF	304 PlFdAt(Pw) 435-0/21	654 FdHw 645-0/20	○701 3104426 HwFdi(Cw) 040-0 GID4	43882973/L AtPl(Fd) 525-0/13 GI11
102 BS 726-0/7	305 PlAtFd(PwEp) 435-0/18	656 AtCwEpPwFd 644-0/24	○700 3114260 FdiEpHw(Cw) 116-21/21 GID4	99244975 HCw 837-0/9
105 BS 822-0/6 AF	307 PlAtFd(PwEp) 435-0/18	663 FdCwEp(At) 534-0/17	○701 3224323 HwFdi(Cw) 040-0 GID4	○701 99454388 HwFdi(Cw) 040-0 GID4
113 BH 724-0/6	311 PlAtFd(Ep) 435-0/18	664 FdAtH(PwEp) 634-0/17	3733983 FdiEp(CwHwPwSx) 115-23/23 sl te GID9	99554115 HwFdi(CwEpLw) 114-18/18 GID4
116 BS 943-0/11	315 BEpFd(PwS) 324-0/19	667 AtFdPw 634-0/19	3883818 FdiHw 742-0/19 te sl	○701 99734359 EpFdiCwHw 113-21/21 GID4
120 BS 831-0/11 NP	316 PwFdAt(Ep) 526-0/12	683 FdCwH 644-0/20	○701 3894245 EpFdiCwHw(Lw) 114-21/21 GID4	
122 SB 954-0/15	324 FdPlAtH 635-0/8	685 FdH 635-0/17	○706 4474017 Fdi(LwSxCw) 111-21/21 GID4	
124 BS 822-0/6 AF	328 EpPl(S) 425-0/14	691 HCw 835-0/13	4623317 FdiCwHwAt 227-20/20 sl G	
125 BS 822-0/6 AF	355 SB 844-0/14	692 H(Cw) 847-0/14	4683764 FdCwPw 835-0/16	
129 BS 822-0/6 AF	369 B 835-0/10	695 H(Cw) 847-0/14	5314290 FdCwPw 855-0/21	
142 BS 834-0/11	371 B 622-0/7 AF	698 H(Cw) 847-0/14	5404044 HwEpCwFdi 115-15/15 GID4	
145 B 831-0/7 AF	399 BS 735-0/10	700 HCwFd(Ep) 846-0/14	5972979 HwFdiCw 433-0/20 te bl	
152 SHB 843-0/12	405 SHB 844-0/12	704 HCwFd(Ep) 846-0/14	○703 6274001 HwFdiCwEp 040-0 GID4	
155 SH(B) 843-0/12	427 SH 844-0/15	708 HCw 836-0/12	6303854 HwEpCwFdi 115-15/15 GID4	
164 BS 722-0/8 AF GN37	431 SH(BCw) 954-0/14	711 HCw 845-0/14	7833925 EpFdiHCw 736-0/20	
166 FdCwEp(H) 326-0/17	432 SPl 844-0/13	712 FdHCw(Pl) 836-0/16	8073045 sl te	