# Vegetation Map

## 094P058

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 *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**

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

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

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

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

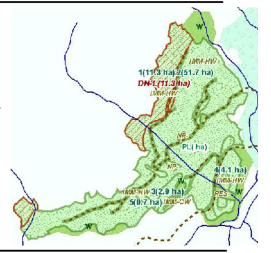
| | | | | | |
|---|---|---|---|---|---|
| A | Animal Damage | L | Logging | R | Site Rehabilitation |
| B | Wildfire | M | Mite Damage | T | Treatment Injuries |
| C | Cone and Seed Insects | N | Non-Biological Injuries | U | Damage Unknown |
| D | Diseases | P | Cone and Seedling Fungal Pathogens |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

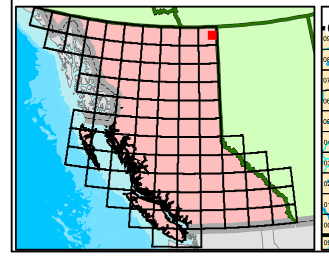
**Example Opening History Details**

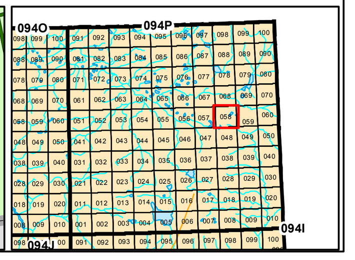
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

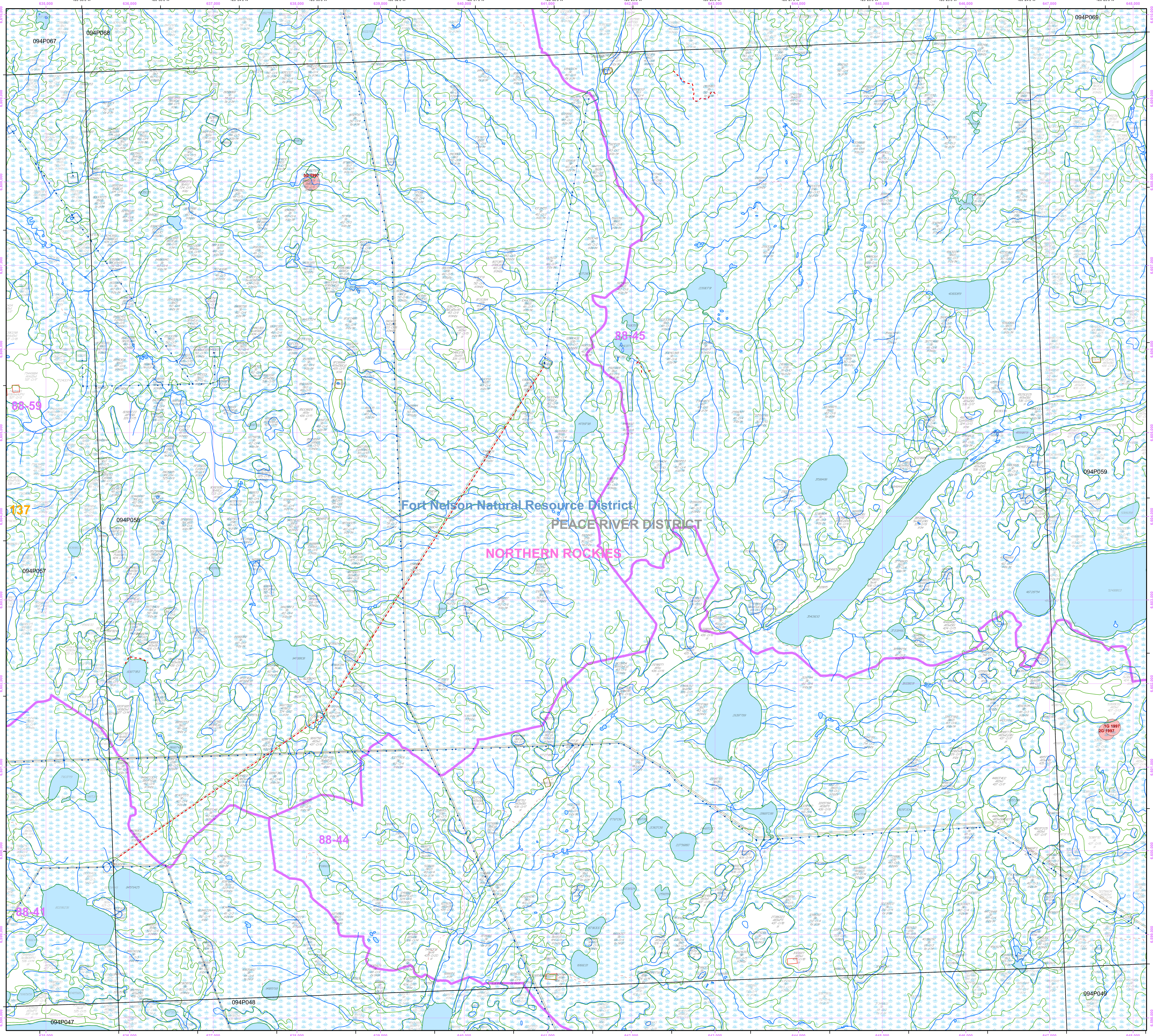
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH








### Overflow Labels

| | | | |
|---|---|---|---|
| 138421 SbAt(Sw) 514-O/6 sl te by | 30918926 At(Sw) 437-O/17 sl | 49776211 Sb 613-O/4 by sl te | 96097773 SbLt 411-O/3 sl hg by |
| 3115926 Sb(At) 524-O/8 sl te by | 31528815 Sw(At) 435-O/16 sl te | 78632053 Sb(Lt) 511-O/5 sl te by | 96907685 es te sl by |
| 2186956 Sb(Ep) 523-O/7 sl te by | 32406118 Sb 723-O/5 sl te by | 78771902 Sb(Lt) 511-O/5 sl te by | 97230260 SbEp 513-O/6 sl te by |
| 4399041 SbLtEp 512-O/6 sl by te | 32576822 he sl by | 78841687 Sb(Lt) 511-O/5 sl te by | 97240035 he sl by es |
| 5335850 Sw(Sb) 435-O/22 by | 34049052 AtSw 437-O/17 sl | 79112142 SbLt 410-O/6 sl hg by | 97818214 SbAt(Sw) 514-O/6 sl te by |
| 7856824 At(SwSb) 436-O/16 sl | 34116088 Sb 723-O/5 sl te by | 79371090 Sb(PliAt) 511-O/6 sl te by | 98448591 AtEp(SwSb) 325-O/16 sl te |
| 7948634 he sl by | 36762528 LtSb 513-O/7 sl te by | 80459911 SbAt(SwPli) 522-O/10 sl te by | 99252289 SbLt 410-O/6 sl hg by |
| 8107293 Sb(Ep) 524-O/7 sl te by | 36849442 At(Sw) 437-O/17 sl | 80649644 Sb(Lt) 411-O/3 he by sl | 99765839 SbLt 510-O/4 sl te |
| 10305912 AtSb(Ep) 436-O/17 by | 37106078 Sb 723-O/5 sl te by | 80759342 SbLt(Ep) 511-O/6 sl te by | |
| 11890235 he sl by es | 38329684 At(Sw) 437-O/17 sl | 81188877 SbEp(Lt) 411-O/6 sl te by | |
| 11915967 AtSb 436-O/17 by | 38572585 Sb 412-O/3 by sl te | 81598559 SbEpSw(Lt) 511-O/5 sl te by | |
| 12727497 At(SwSb) 436-O/16 sl | 40059826 SwAtSb(Ep) 324-O/17 sl te | 81918303 Sb(SwPli) 415-O/7 sl te | |
| 12985929 Sb 611-O/4 by te sl | 41118119 SbAtSw(Ep) 514-O/7 sl by | 81978241 SbAtSw(Pli) 526-O/11 | |
| 13047300 he sl by es | 41618967 AtSw 326-O/15 sl te | 81979954 SbAtSwEp(Lt) 413-O/8 sl te by | |
| 13057730 At(SwSb) 436-O/16 sl | 41976570 Sb 613-O/4 by sl te | 82048184 SbAtSw(Pli) 416-O/7 sl | |
| 13816059 LtSb 410-O/5 sl hg by | 42086141 Sb(PlAt) 514-O/6 sl te by | 82167586 Sb(Lt) 411-O/4 sl te by | |
| 13865937 sl te by es | 42356186 SbLt 610-O/5 sl by te la | 82841085 Sb(LtEp) 614-O/6 sl te | |
| 14172120 he sl by es | 44080016 AtSwSb(Ep) 324-O/13 sl te | 83615820 AtSw 437-O/16 | |
| 14582399 Sb(Lt) 512-O/5 sl by te | 44207782 SbAtSw(Ep) 514-O/7 sl by | 83635700 Sb(Lt) 412-O/5 sl te by | |
| 15062413 Sb 512-O/4 by sl te | 44249739 SbEpSwAt 326-O/16 sl | 83681551 SbLt 512-O/6 sl te | |
| 15352309 re te by sl | 44336735 At 427-O/15 | 83906576 Sb(Lt) 411-O/3 he by sl | |
| 16872439 SbLt 510-O/4 sl by te | 44418470 At(SbSw) 325-O/15 sl te | 84719658 SbAtEpPl 412-O/7 sl te | |
| 17640150 LtSb 310-O/7 hg sl by | 45126241 SbLt 610-O/5 sl by te la | 85309606 AtEp(Sb) 324-O/14 sl | |
| 21275979 Sb 613-O/5 by te sl | 45321877 Sb(Lt) 513-O/4 sl te by | 85545655 Sb 712-O/4 by te sl | |
| 21806143 Sb 412-O/5 by te sl | 45551216 LtSb 514-O/6 sl te by | 86002189 SbLt 512-O/4 by sl te | |
| 23106428 AtSbSw 325-O/13 sl te | 45609261 SwAt(Sb) 435-O/16 sl | 86712111 Sb 510-O/4 by sl hg | |
| 23262447 Sb(Lt) 413-O/8 sl te by | 45811349 LtSb 310-O/10 hg sl by | 88661697 he sl by es | |
| 25695996 SbLt 610-O/5 sl by te la | 45927198 SwAt 435-O/18 sl | 89732181 SbLt 510-O/4 sl by hg | |
| 27068943 SbSw(Lt) 413-O/6 sl te by | 48089253 LtSbEpAt 411-O/7 sl hg by | 90757630 Sb 412-O/4 sl by te | |
| 27848690 At(SwSb) 326-O/14 sl | 48417869 Sb 411-O/3 sl by te | 94420524 SbAt(EpLt) 513-O/6 sl te by | |
| 28262529 LtSb 421-O/12 sl hg by | 48947192 Sb 411-O/3 sl by te | 94821524 he sl by es | |
| 28982494 SbLt 514-O/5 sl hg | 49216984 SbAt(LtEp) 513-O/5 sl te by | 95248979 SwSbAt(Ep) 325-O/18 sl te by | |
| 29212534 SbLt 510-O/4 sl by te | 49366617 SwAt(Sb) 325-O/19 sl te | 95502253 SbLt 512-O/4 by sl te | |