# Vegetation Map
## 103H083

Ministry of Forests, Lands and Natural Resource Operations (British Columbia)

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:**

| Example | LINE | DESCRIPTION |
|---|---|---|
| ○12 | 1 | Silviculture symbol and Opening Number |
| 123/L | 2 | Polygon Number and multi-layer stand indicator (L) |
| Fd(Hw) | 3 | Species Composition. ex: the most important layer is described as Fd (Dougls Fir) and Hw (Western Hemlock). |
| 211-20 | 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 |
| he,sl | 5 | Vegetated Density Class (or Non-Forest/Productive Descriptor). ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m. |
| GL78 | 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 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 *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 are not 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 LAVABED | 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.

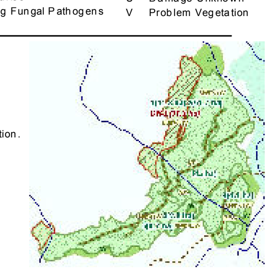
| | | |
|---|---|---|
| A Animal Damage | L Logging | R Site Rehabilitation |
| B Wildfire | M Mite Damage | T Treatment Injuries |
| C Cone and Seed Insects | N Non-Biological Injuries | U Damage Unknown |
| D Diseases | P Cone and Seedling Fungal Pathogens | V Problem Vegetation |
| I Insects | | |

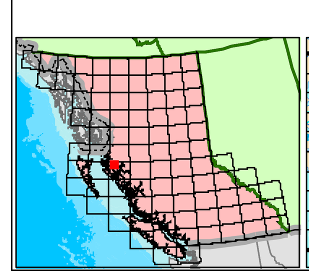
**Example Opening History Details**

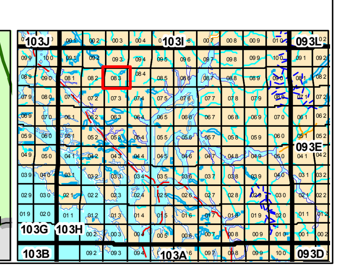
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

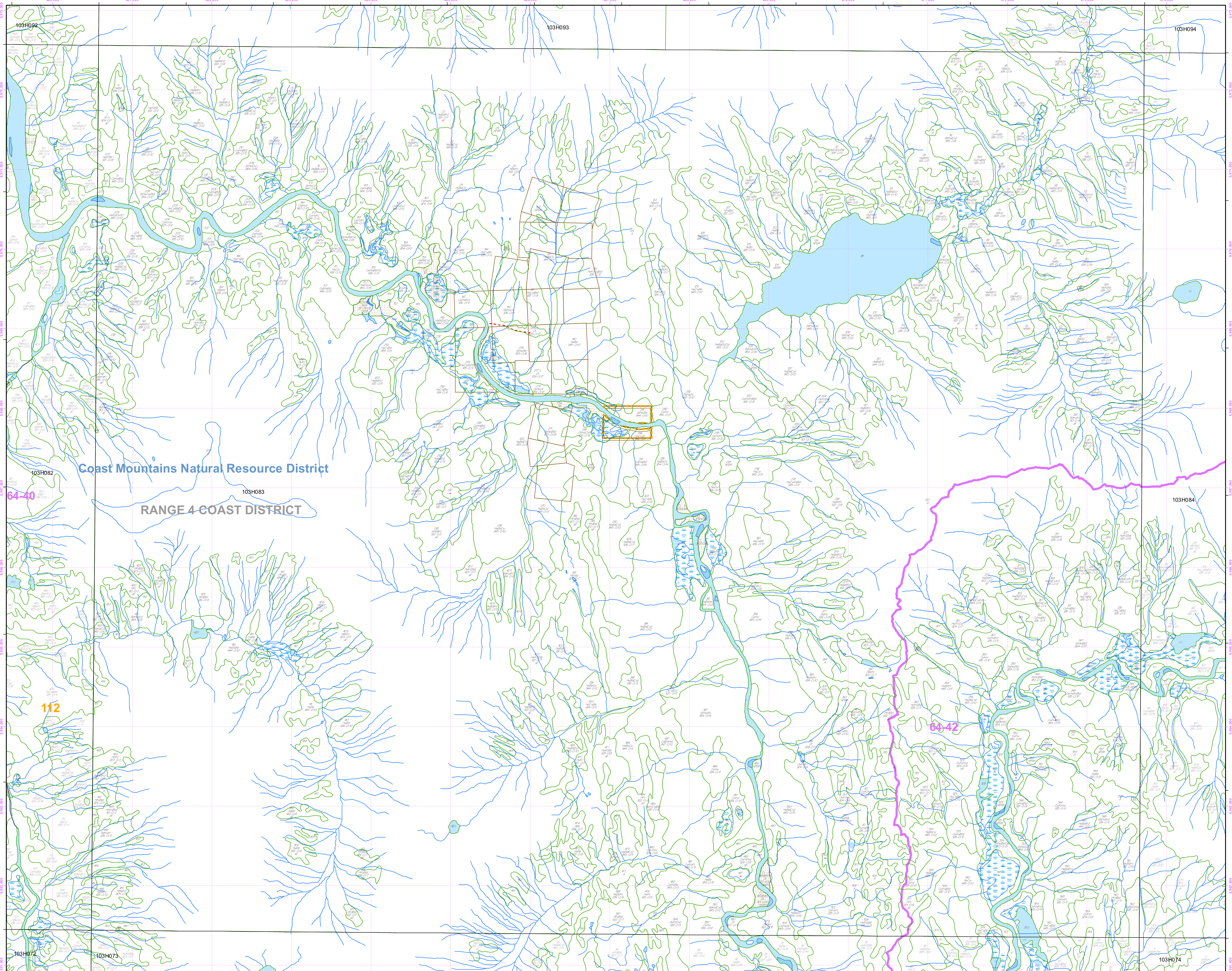
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

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








## Overflow Labels

| | | | | |
|---|---|---|---|---|
| 5 NPBR | 152 HwCwBa(Dr) 624-0/11 | 311 HYc 923-0/7 AF | 436 HmBaYc 934-0/3 AF | 566 CwHwYc 945-0/12 |
| 27 HYc 922-0/4 AF | 154 Dr 417-0/8 | 312 HwBa(Yc) 932-0/7 AF | 437 HwCwBa) 935-0/9 | 567 CwYc(H) 934-0/9 |
| 28 HwBa(Yc) 934-0/8 AF | 157 CwHwYc 924-0/8 | 314 BaHw 933-0/5 AF | 438 Ba(HmYc) 814-0/4 AF | 572 SsHw(Cw) 952-0/13 NP |
| 29 BaHw(Yc) 932-0/5 AF | 164 HwCw(BaYc) 936-0/7 | 316 HwYc(Ba) 933-0/8 AF | 442 HwCw 935-0/9 | 575 HwCwBa 936-0/9 |
| 31 HwBa 933-0/10 AF | 166 HwCwBa) 944-0/11 | 319 BaH 813-0/4 AF | 443 CwHYc 926-0/8 | 576 HwCw 934-0/8 |
| 46 BaHYc 923-0/5 AF | 177 CwHw 833-0/10 | 320 HwYcBa 933-0/9 AF | 447 HwYc(Ba) 926-0/7 | 581 HwBa 955-0/15 |
| 49 HwBaSs 944-0/10 | 182 SsHwBaCw) 954-0/12 | 322 HwYcBa 933-0/7 AF | 449 HmYcBa) 935-0/3 | 585 HYcBa) 922-0/7 AF |
| 51 SsHw(Ba) 942-0/6 NP | 185 Hw(BaCw) 636-0/11 | 326 HYc(Ba) 814-0/3 AF | 450 BaHw(Yc) 945-0/11 | 589 HwBa(Yc) 932-0/9 AF |
| 55 HwBa(Ss) 945-0/10 AF | 207 Ss(Hw) 954-0/12 | 328 HwYc 933-0/7 AF | 452 HmYc(Ba) 924-0/2 AF | 590 BaHw(Yc) 934-0/6 |
| 57 HwBa(Yc) 934-0/9 | 211 HCw 827-0/8 | 336 HYc 912-0/4 AF | 453 HmYcBa) 923-0/2 AF | 591 A |
| 59 HwBa 933-0/10 AF | 214 HwCw 933-0/9 | 338 HwCwYc 933-0/7 AF | 455 HwBa 933-0/8 AF | 592 HwBa(Yc) 933-0/8 |
| 63 HwBa(Yc) 922-0/7 NP | ○4 215 Dr(Ss) 331-23/23 NSR G010 | 340 SsHw(BaCw) 954-0/12 | 457 HwBa 933-0/8 AF | 593 HYcBa) 936-0/8 |
| 64 BaHw 935-0/9 | ○4 216 Dr(Ss) 331-23/23 NSR G010 | 352 SsHw(Ba) 953-0/13 | 458 HwYc(Ba) 933-0/7 AF | 599 HwCw 936-0/8 |
| 65 NPBR | 220 HwYcBaSs) 935-0/9 | 357 HwCw(Ss) 936-0/10 | 461 BaHw(Yc) 933-0/7 AF | 605 HwBa 935-0/9 |
| 73 Dr(Hw) 636-0/17 | 221 HwYc(BaSs) 935-0/9 | 364 HwCwBaDr) 836-0/12 | 462 BaHw(Yc) 933-0/7 AF | 607 HwYcBa 933-0/8 AF |
| 74 SsHw(Dr) 945-0/8 | 223 HwCwBa 945-0/10 | 365 HwBaCw(Ss) 945-0/11 | 463 BaHw 934-0/5 AF | 610 HwBaYc 934-0/9 |
| 78 Dr 626-0/16 | 230 CwYc(Hw) 925-0/8 | 372 HwBa(Yc) 933-0/7 AF | 464 BaHw 934-0/5 AF | 611 SsHwBa(Yc) 944-0/6 |
| 81 Dr 636-0/17 | 232 CwYc(Hw) 925-0/8 | 373 HBa(Yc) 933-0/8 AF | 465 BaHw 934-0/5 AF | 612 HwYc(Ss) 933-0/8 |
| 86 BaHw(DrSs) 645-0/20 | 234 HwBaCw 946-0/11 | 376 HwBa 934-0/9 | 467 BaHw 935-0/6 | 618 SsHwBa(Cw) 954-0/16 |
| 108 HwBaDr 636-0/13 | 235 HwCwS 945-0/14 | 379 BaHw(Yc) 933-0/6 | 469 HwBa 944-0/11 | ○5 370C0345 Dr 621-0/14 G.N10 |
| 109 HwSsBa 945-0/12 | 237 SsHwBa(Cw) 954-0/13 | 381 NPBR | 476 Hw(BaYc) 932-0/7 AF | ○5 3757237 Dr 621-0/14 G.N10 |
| ○3 112 DrSs 331-23/23 NSR G.L59 | 238 HwBa(Yc) 945-0/11 | 404 HwBa 933-0/10 | 490 CwHw(Yc) 936-0/11 | ○5 3837.1065 Dr 621-0/14 G.N10 |
| 113 HwBa(Dr) 636-0/14 | 240 HYc 933-0/7 AF | 412 HwBa(Ss) 944-0/14 | 494 HwCwSs(Ba) 944-0/14 | |
| 114 Hw(BaYc) 934-0/8 | 244 HwBa 935-0/8 | 413 HwBa(Ss) 945-0/13 | 495 HwBaCw 945-0/14 | |
| 116 HwBaCw(Yc) 934-0/8 | 246 HBaYc 925-0/7 AF | 414 HwBa 933-0/10 | 498 CwHw(Ss) 944-0/12 | |
| 117 HwBa(Ss) 943-0/10 | 247 HYc 922-0/6 AF | 415 HYc 923-0/7 AF | 507 CwYcHw 924-0/8 | |
| 118 HYcBa) 925-0/6 | 248 HmYc 923-0/2 AF | 416 HBa(Yc) 934-0/9 AF | 511 HwCw 932-0/7 AF | |
| 120 HwBaYc 933-0/9 AF | 249 BaHw 944-0/8 | 422 HYc 923-0/6 AF | 514 CwHwYc 932-0/9 NP | |
| 126 HwYc 933-0/8 AF | 254 BaHwCw(Ss) 944-0/12 | 423 HYc 913-0/4 AF | 515 HwYc(Ba) 933-0/8 | |
| 131 HwBa(Yc) 933-0/9 AF | 257 SsHw(BaCw) 953-0/13 | 424 HYc 913-0/4 AF | 519 HwCw 934-0/7 | |
| 135 BaHw 933-0/6 AF | 272 CwHw 933-0/10 NP | 425 HYc 913-0/4 AF | 526 Ss(HwCw) 953-0/17 | |
| 137 BaHw 945-0/9 | 273 CwHwBa 627-0/12 | 427 HYcBa 817-0/3 AF | 558 HwBa 934-0/10 | |
| 143 NPBR | 290 SsHwCwDr 954-0/12 | 432 HYc 923-0/6 AF | 560 HwBa 933-0/9 | |
| 149 HwCwBaSs) 944-0/12 | 301 HwYcCwBa) 827-0/9 | 433 HwBa 943-0/10 | 565 NP | |



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