# Vegetation Map

## 092L046

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:**

○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 *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**

| Code | Species |
|---|---|
| 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**

| Code | Species |
|---|---|
| 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**

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

**EXOTICS**

| Code | Species |
|---|---|
| | 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.

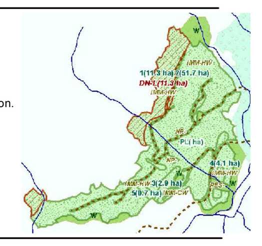
| | | | | | |
|---|---|---|---|---|---|
| A | Animal Damage | L | Logging | R | Site Rehabilitation |
| B | Wildfire | M | Mite Damage | T | Treatment Injuries |
| C | Cone and Seed Insects | N | Non-Biological Injuries | U | Damage Unknown |
| D | Diseases | P | Cone and Seedling Fungal Pathogens |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

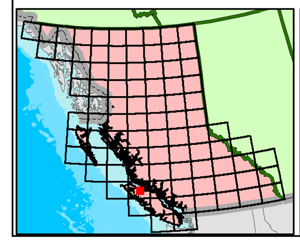
**Example Opening History Details**

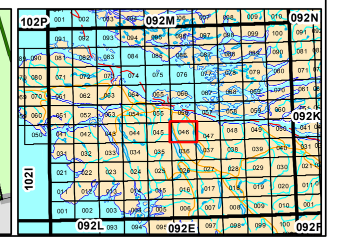
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

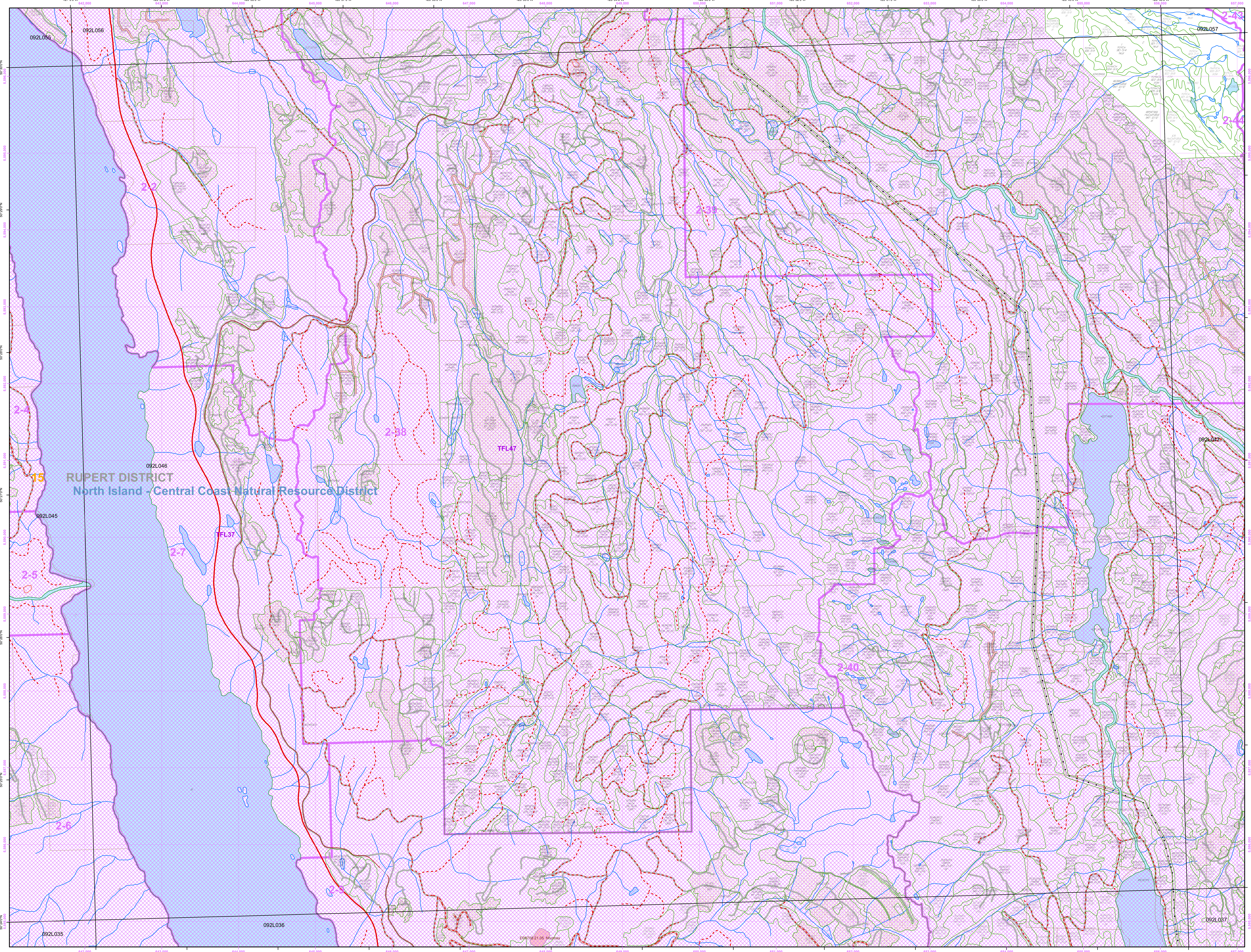
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

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








### Overflow Labels

| | | | | | |
|---|---|---|---|---|---|
| 2 YcHwCw 936-11/11 sl | 17712688 YcBaHw(Hm) 111-13/13 GL94 | 36382136 HwBaYc 943-0/14 sl by | 43673500 CwHwSs 223-26/26 sl | 77046120 | 93795705 HwCw 536-0/19 sl |
| 5 YcHwCw 935-9/9 sl | 17906195 Hw 226-28/28 | 36697841 HwBa(Cw) 536-0/19 | 43863793 hf la sl | 77347150 HwCwFdc 112-25/25 GL03 | 93845964 HwCw(Ba) 846-0/14 |
| 12 YcHCw 923-7/7 sl he | 17928299 HwDr(Cw) 325-0/20 | 37231855 Hw(Ba) 111-19/19 sl bl GL97 | 44295811 CwBaHw 944-0/15 sl | 78216885 FdcCwHw 121-33/33 GL95 | 94265908 hf rs |
| 1075886 HwBa 447-0/28 | 18973169 hf sl | 38265759 ot | 44342703 CwHwDr(Ss) 234-0/29 sl bl | 78446732 FdcHwCw 111-21/21 GL95 | ○ 157 94367346 Hw(Ba) 549-0/27 |
| 2173444 HwCw 964-0/15 sl by | 18058040 Cw(Hw) 323-0/13 sl la | 39047680 HwBa(Cw) 837-0/11 sl | 44514549 SsHw(Cw) 226-30/30 sl | ○ 151 78544385 HwFdcCw 857-0/25 | 94438481 Hw(SsFdcCw) 115-31/31 GL00 |
| 2912753 Hw(Cw) 217-19/19 GL87 | 18503321 BaHwYc 112-27/27 GL95 | 39122145 HwSs(Ba) 346-0/30 | 44625983 HwBa(Ss) 346-0/28 | 79376102 HwFdc(Cw) 113-25/25 GL95 | 95802789 HwBaCw 746-0/15 by |
| 2948664 HwBaDr(SsCw) 756-0/26 sl | ○ 147 20235304 HwYcBa 946-0/11 | 39258585 hf sl | 44804985 FdHw 212-19/19 sl bl | ○ 167 79585788 HwFdcCw(Ba) 111-24/24 GL08 | 95802828 Hw(Dr) 227-26/26 GL87 |
| 3565932 HwCwSs 244-0/37 sl bl | 20323803 YcBa(Hm) 821-0/7 sl bl | 39385013 SsHwCwDr 355-0/45 sl | 45482401 HwDr 349-0/35 | ○ 151 81124213 HwFdcCw 857-0/25 | 95986450 HwBa 446-0/27 sl |
| 3577233 HwBa(FdDr) 224-30/30 sl | 20602223 | 39454326 SsDrHwCw 243-0/44 sl | 45597142 HwBa(Cw) 636-0/15 sl | 82048264 | 96116974 HwCwBa 555-0/31 sl |
| 3837394 HwFdBa 226-28/28 sl | 21263807 BaHwYc 955-0/14 sl by | 39586560 CwHw 211-12/12 GL91 | 46035567 es bl | 83064334 HwCw(Fdc) 114-20/20 GL99 | ○ 162 96217355 CwHw(Fdc) 110-34/34 GL08 |
| 4558023 Hw(Cw) 114-33/33 GL00 | 23238621 HwBa 446-0/29 | 40186055 CwHw 223-27/27 GL91 | 46243571 FdHwCw 225-27/27 sl | 84024440 CwFdcHw 112-25/25 GL99 | 96464889 HwFd(Ba) 227-30/30 |
| 4848692 HwBaDr(SsCw) 756-0/26 sl | 24073709 YcBa(Hm) 934-0/11 hf by | ○ 172 40207734 GL11 | 46808024 HwBaYc 835-0/11 by | 84055505 CwFdHw 212-15/15 GL88 | 96498677 HwBa 445-0/26 sl |
| 4856164 FdHw(Dr) 345-0/33 sl | 25394079 HwYc(Hm) 211-28/28 GL95 | 40472179 HwSs(Ba) 346-0/30 | 47062478 ot | 84604588 HwFdc 857-30/21 | 96767967 HwBa 545-0/23 sl |
| 5414841 sl bl | 25403811 HmYcBa 944-0/9 sl | 40476275 CwHw 211-12/12 GL91 | 47824074 CwHw(Ba) 954-0/17 sl | 84637825 | 96925464 HwBa 448-0/25 |
| 5704761 HwSs(Cw) 246-0/38 sl | 25653843 HmBa 953-0/12 sl by | 40626098 CwHw 211-12/12 GL91 | 47857481 HwBa 945-0/14 sl | 84655493 CwFdHw 212-15/15 GL88 | ○ 155 97006509 GL07 |
| 5934012 HwCwBa 953-0/15 sl | 26581128 HwBa(Cw) 213-20/20 sl bl GL92 | 40634961 sl | 48024151 HwFd 226-20/20 sl | 84952456 HwCw 116-28/28 GL99 | 97262739 HwCw(Ba) 964-0/20 by sl |
| 6835259 Hw(Ba) 236-0/28 | 28308169 HwBa(Cw) 436-0/23 | 40964469 DrCw 237-0/24 | 48282444 YcHwBa 945-0/13 sl by | 86454399 CwFdcHw 112-25/25 GL99 | 97553462 sl bl |
| 7275571 DrHw 337-0/28 sl | 29917800 HwBa 856-0/19 sl | 41754170 hf sl | 48533826 HwCw 844-0/16 sl | 86736643 HwFdc(Ss) 114-29/29 GL03 | 97664850 BaHwCw 444-0/23 sl |
| 7387049 HwCwDr(Ss) 543-0/25 sl bl | 30705032 BaHwYc(Hm) 112-27/27 GL94 | 41843775 SsDrHwCw 243-0/44 sl | 48544043 HwCw(Ba) 845-0/16 sl | ○ 178 87612811 GL11 | 97755288 HwBa 447-0/27 |
| 7898093 HwBa(Cw) 854-0/19 sl | 30893821 hf sl la | 42017199 HwCw(Ba) 111-19/19 sl bl GL99 | 48643547 HwBa(Cw) 941-0/11 es | ○ 178 89422178 GL11 | ○ 156 98076049 GL07 |
| 8136425 DrCw(Hw) 224-20/20 sl | 30973399 HwBa(Cw) 111-22/22 sl bl GL00 | 42074750 HwSsBaDr 247-0/40 | 48773295 HwBa(Yc) 955-0/15 by | 89444556 HwFdcCwBa 112-30/30 GL99 | 98052753 HwBaCw 746-0/15 by |
| ○ 104 8807716 HwCw 111-29/29 sl bl GL04 | 31042564 CwYcBaHw 111-20/20 GL00 | 42334973 CwHw(Ba) 953-0/18 sl | 49006146 HwFd(Cw) 237-0/28 | 90698449 HwSsFdcCw 115-31/31 GL00 | 98743863 sl bl la |
| 9706207 DrHw 338-0/26 | 31325416 BaHwYc(Hm) 212-27/27 GL94 | 42704086 hf | 70768617 | ○ 163 91377197 HwBa 568-0/36 | 98773759 HwBaSsCw 234-0/31 sl |
| 10036722 DrSs 337-0/25 | 31375368 sl | ○ 172 43107562 GL11 | 73466781 HwFdcCwPw 111-27/27 GL96 | 91423438 HwFdcCwBa 115-30/30 GL98 | 98943426 FdHw(Cw) 216-19/19 |
| 10427781 HwBa(Cw) 963-0/20 sl | 31778067 HwBa 447-0/30 | 43297721 HwBaCw 837-0/11 sl | 73846559 HwFdcCwPw 111-27/27 GL96 | 91686964 HwFdc 115-26/26 GL04 | ○ 165 98962312 HwYcFdc 111-28/28 GL07 |
| 10702832 YcHmBa 835-0/11 by | 32692350 HwBaCw 961-0/22 es sl by | 43332786/L Dr 236-0/23 | 74027370 HwFdcCw 858-25/21 | 91873632 HwFdc 848-30/18 | 99064489 FdHw(Ss) 222-21/21 sl la bl |
| 10811313 YcHm(Ba) 835-0/12 by | 32865911 sl es | 43408466 HwCwYcBa 947-12/12 sl | 74126743 FdcCwPwHw 111-25/25 GL96 | 92123539 | 99088684 Dr 349-0/30 |
| 11114263 sl bl | 33184666 HwBaSs 234-31/31 sl bl | 43457422/L HwBaCw 525-0/12 | 74947392 CwHwBg 111-28/28 GL03 | 92855175 sl | ○ 156 99365701 GL07 |
| 12783647 BaHw 964-0/19 sl by | 33872138 BaHwYc 945-0/11 sl by | 43484372 CwHwBa 954-0/19 sl | ○ 152 75588022 HwFdcCw 857-0/21 | 93065652 HwBaCw 536-0/16 | ○ 155 99602966 GL07 |
| 13742817 YcBaHw 211-23/23 GL94 | 35243389 HwCw 112-24/24 GL99 | 43584110 sl bl | 75686055 | 93315875 FdHwBa 225-28/28 sl bl | 99634957 HwBa 447-0/27 |
| 14614048 HwBa 214-19/19 sl GL88 | 35803411 HwBaCw 111-22/22 GL94 GL00 | 43633023 HwCwSs 335-0/25 sl | 76817259 HwFdcCw 858-25/21 | 93648290 HwBaCwSs 857-30/21 | ○ 156 99845936 GL07 |
| 15473080 BaHwYc 115-26/26 GL02 | 36044361 CwHwBaYc 846-0/15 sl | 43648363 YcHwBa 935-0/9 sl | 76925794 | 93795154 Fd 223-28/28 sl es | |