083D089

# Vegetation Map
## 083D089

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 / Terrabits

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 contained in the warehouse is derived up to date Cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only. (Updated to Victoria June 2014).

Labels Projected To: January 1, 2016

**MAP SYMBOLOGY**

**Forest Inventory Features:**
- Forest Vegetation Polygons
- Immature Opening in Vegetation
- Permanent Sample Plot (SYS)
- Research Installations

**TRIM - Base Features:**
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrid/Aestuaries - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

**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 multilayer stand indicator (L)
3 Species Composition
ex: the most important layer is described as Fir (Douglas Fir) and Hw (Western Hemlock).
4 Age Class - Site Index / Height Class Code - separator - Site Index / estimated SI
ex: stand is age class 2 (21-40 yrs), height class 1 (01-10.4m), 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 Opening Number**

- opening number valid for BCGS mapsheet
- opening number has not been assigned

**Line 2 - Polygon No. / Multilayer**

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 Composition: 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 dated January 2009.

**NATIVE CONIFERS**

| | |
|---|---|
| C | CEDAR |
| Cw | Western Red Cedar |
| Y | CYPRESS |
| Yc | Yellow Cedar |
| F | DOUGLAS FIR |
| Fd | Douglas Fir |
| Fdi | Interior Douglas Fir |
| Fdc | Coastal Douglas Fir |
| B | FIR (Balsam) |
| Bg | Grand Fir |
| Bl | Subalpine Fir (alpine) |
| H | HEMLOCK |
| Hm | Mountain Hemlock |
| Hw | Western Hemlock |
| Hxm | Mountain x Western Hemlock hybrid |
| J | JUNIPER |
| Jr | Rocky Mtn. Juniper |
| Jd | Desert Juniper |
| L | LARCH |
| La | Alpine Larch |
| Lt | Tamarack |
| Lw | Western Larch |
| P | PINE |
| Pj | Jack Pine |
| Pl | Lodgepole Pine |
| Pli | Lodgepole Pine (interior) |
| Plc | Lodgepole Pine (coastal) hybrid |
| Pxj | Ponderosa Pine (yellow) |
| Pw | Snow Pine (coast) |
| Pw | Western White Pine |
| Pyj | White Pine |
| S | SPRUCE |
| Sb | Black Spruce |
| Se | Engelmann Spruce |
| Sw | Hybrid Spruce |
| Sw | White Spruce |
| Sx | Spruce hybrid |
| Sxw | Spruce hybrid White |
| Sxl | Sitka x White |
| Sxs | Sitka x unknown hybrid |
| T | YEW |
| Tw | Western Yew |

**NATIVE HARDWOODS**

| | |
|---|---|
| D | ALDER |
| Dr | Red Alder |
| V | APPLE |
| Up | Pacific Crab Apple |
| At | ASPEN, COTTONWOOD or POPLAR |
| Ac | Poplar |
| Act | Black Cottonwood |
| Av | hybrid Poplars |
| At | Trembling Aspen |
| Ab | ARBUTUS |
| Arb | Arbutus |
| E | BIRCH |
| Ea | Alaska Paper Birch |
| Ep | Paper Birch (alaska) hybrid |
| Ew | Paper Birch (white) |
| Ew | Water Birch |
| K | CASCARA |
| Kc | Cascara |
| Y | CHERRY |
| Vs | Bitter Cherry |
| Vc | Choke Cherry |
| Vu | 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 |
| Wpg | Pacific Willow (Barclay's) |
| Wr | Peeley Willow (gray leaved) |
| Ws | Scouler's Willow |
| Ww | Sitka Willow (lace leaved) |

**UNKNOWN - OTHER**

| | |
|---|---|
| X | UNKNOWN |
| Xc | unknown conifer |
| Xh | unknown hardwood |
| Z | OTHER (see notes tab) |
| Zc | other conifer |
| Zh | other hardwood |

**EXOTICS**

| | |
|---|---|
| Up | APPLE<br>Apple |
| At | ASPEN, COTTONWOOD or POPLAR<br>*Southern Cottonwood |
| Ae | BIRCH<br>European Birch |
| Ek | Silver Birch (exempt) |
| Ey | CHERRY<br>*Yellow Birch |
| Ls | *Siberian Larch |
| Ld | *Dahurian Larch |
| Me | MAPLE<br>Box Elder |
| Mn | *Norway Maple |
| Ms | *Sycamore Maple |
| Qe | OAK<br>*English Oak |
| Qw | *White Oak |
| Ow | OTHER EXOTICS<br>*Black Locust |
| Os | *Giant Sequoia |
| Ou | *Coast Redwood |
| Od | European Mountain Ash |
| Ok | Siberian Elm (southern) |
| Ol | *Russian Olive |
| Og | Oregon Ash |
| Oh | *White Ash |
| Ow | *Black Walnut - Hickory |
| Oj | Tree of Heaven |
| Oh | Japanese Walnut |
| Y | PINE |
| Pm | *Monterey Pine |
| Pr | *Mugho Pine |
| Ps | *Scots 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 as the mean annual increment 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 available SI trees aremnt present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes it. Associated fertile in the data base an inventory Type Group and SI'd estimated source code.

**Line 5 - Vegetation records**

**VEGETATED NON-TREE CATEGORIES (for V and I records)**

**NON-TREED SHRUB**
S SHRUB - shrub with average shrub height < or = to two metres.
s SHRUB LOG - shrub with average shrub height > two metres.

**NON-TREED HERBS**
He HERB - herb with no distinction between forbs and graminoids.
H HERB - FORBS - herb with forbs > 50% of the herb cover.
hg HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

**NON-TREED BRYOID**
By BRYOID - bryoid with no distinction between mosses and lichens by cover.
bm BRYOID - MOSS - bryoid with mosses, liverwrts, and hornworts > 50% of the bryoid cover.
bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

**NON-VEGETATED CATEGORIES (for V and I records)**

| | | | | | |
|---|---|---|---|---|---|
| ap | AIRPORT | gr | GRAVEL PIT | mu | MUDFLAT SEDIMENT |
| be | BEACH | la | LAKE | mp | RUBBLE MINE SPOILS |
| bl | BLOCKFIELD | lb | LAVA BED | mo | OCEAN |
| bu | BURNED | lk | LAKE | mr | RIVER |
| bua | BURNED AREA | ls | POND w. LAKE SEDIMENTS | pn | SNOW COVER |
| cn | CUTBANK | mi | OPEN PIT MINE | re | RESERVOIR |
| ds | DISTURBED SOILS | mm | MORAINE | ri | RIVER / STREAM |
| g | GLACIER | | | | |

Non-vegetated cover: stone / gravel / talus (ss, ss1, mi, rc) not alsalted over 50 percent coverage.

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

| | | | |
|---|---|---|---|
| A | ALPINE | NA | NON-PRODUCTIVE |
| AF | ALPINE FOREST-Tipsiors | NPBR | NON-PRODUCTIVE BRUSH |
| C | CULTIVATED | NPBU | NON-PRODUCTIVE BURN |
| CL | CLAY BANK | NPT | NON-PRODUCTIVE FOREST-Tipsiors |
| CP | CLAY PIT | NR | NON-REGULATED LANDS |
| GR | GRAVEL PIT | OA | OPEN RANGE |
| ICE | ICEFIELD | P | HAYFIELD |
| L | LAKE/RIVER | R | ROCK |
| MUD | MUDFLAT | S | SWAMP |
| | | SAND | SAND, SAND FLAT |
| | | TIDE | TIDAL FLAT |
| | | U | URBAN |
| | | MC | NON COMMERCIAL |
| | | NCBR | NON COMMERCIAL BRUSH |
| | | NP | NON PRODUCTIVE |
| | | NSR | NOT SATISFACTORILY RESTOCKED |
| | | NTA | NO TYPING AVAILABLE |

**Line 6 - Disturbance History**

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

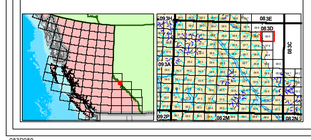
| | | | |
|---|---|---|---|
| A | Animal Damage | L | Logging |
| B | Wildfire | M | Mde Damage |
| C | Cone and Seed Insects | N | Non-Biological Injuries |
| D | Diseases | P | Cone and Seedling Fungal Pathogens |
| I | Insects | | |
| | | R | Site Rehabilitation |
| | | T | Treatment Injuries |
|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

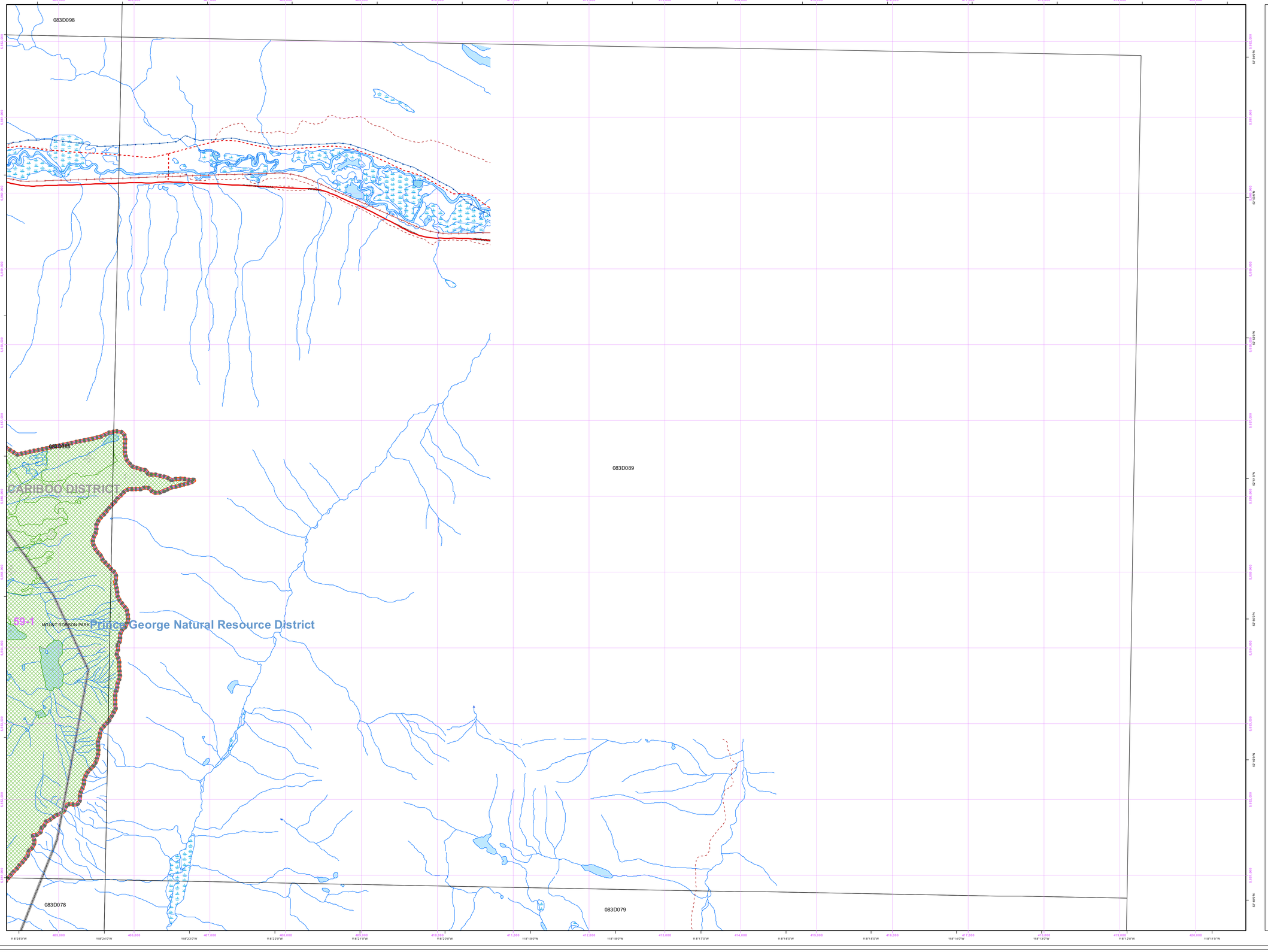
**Example Opening History Details**

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of the new ERESUSTS 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**



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