104B069

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

# Vegetation Map
## 104B069

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 or up to date. Forestry, 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 (GY3)
- Research Installations

**TRIM. Base Features:**
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airlf erries
- 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 (Douglis Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator. Site Index / estimated SI
ex: stand is 100 (4)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 Description)
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**

OLC - opening number valid for BCGS mapsheet
DOK - 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 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 |
| Fdc | Coastal Douglas Fir |
| Fdi | Interior Douglas Fir |
| B | FIR (Balsam) |
| Bg | Amabilis Fir |
| Bl | Alpine Fir |
| Bl | Subalpine Fir (alpine) |
| H | HEMLOCK |
| Hm | Mountain Hemlock |
| Hw | Western Hemlock |
| Hxm | Hybrid Western Hemlock hybrid |
| J | JUNIPER |
| Jr | Rocky Mtn. Juniper |
| Js | Seaside Juniper |
| L | LARCH |
| La | Alpine Larch |
| Lt | Tamarack |
| Lw | Western Larch |
| P | PINE |
| Pl | Lodgepole Pine (interior) |
| Plg | Lodgepole x Jack Pine hybrid |
| Py | Ponderosa Pine (yellow) |
| Pli | Shore Pine (coast) |
| Pw | Western White Pine |
| Pa | Whitebark Pine |
| Pf | Limber Pine |
| Sb | Black Spruce |
| Se | Engelmann Spruce |
| Ss | Sitka Spruce |
| Sw | White Spruce |
| Sxe | 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 |
| Ud | Pacific Crab Apple |
| A | ASPEN, COTTONWOOD or POPLAR |
| At | Aspen |
| Act | Balsam Poplar |
| Ad | Black Cottonwood |
| Ax | hybrid Poplars |
| At | Trembling Aspen |
| E | BIRCH |
| Ea | Alnus |
| E | BIRCH |
| Ea | Alaska Paper Birch |
| Exp | Alaska x Paper Birch hybrid |
| Ew | Water Birch (white) |
| Ew | Water Birch |
| K | CASCARA |
| Kc | Cascara |
| V | CHERRY |
| Vm | Bitter Cherry |
| Vv | Choke Cherry |
| Vp | Pin Cherry |
| Vu | Usual Cherry |
| G | DOGWOOD |
| Gp | Pacific Dogwood (western flowering) |
| M | MAPLE |
| Mv | Vine Maple |
| Mb | Bigleaf Maple (broadleaf) |
| W | WILLOW |
| Wb | Bebb's Willow |
| Wp | Pacific Willow |
| Wr | Red Willow (Barclay's) |
| Wy | Pussy Willow (gray-leaved) |
| Ws | Scouler's Willow |
| Wl | Sitka Willow (tea-leaved) |

**UNKNOWN - OTHER**

| | |
|---|---|
| X | UNKNOWN |
| Xc | unknown conifer |
| Xh | unknown hardwood |
| Z | OTHER (tree not on list) |
| Zd | dead tree |
| Zh | other hardwood |

**EXOTICS**

| | |
|---|---|
| U | APPLE |
| Ua | Apple |
| A | ASPEN, COTTONWOOD or POPLAR |
| At | *Southern Cottonwood |
| E | BIRCH |
| Ep | *European Birch |
| Ex | Silver Birch (swamp) |
| Ey | *Yellow Birch |
| V | CHERRY |
| Vs | Sweet Cherry |
| Vy | *Cherry |
| Yo | *Port Orford Cedar |
| F | FIR (Balsam) |
| Fb | *Balkan Fir |
| Bp | Noble Fir |
| Bm | *Momi Fir |
| Bn | *White Fir |
| L | LARCH |
| Ld | *Dahurian Larch |
| Ls | *Siberian Larch |
| M | MAPLE |
| Me | Box Elder |
| Mn | *Norway Maple |
| Ms | *Sycamore Maple |
| Mr | OAK |
| Oe | *English Oak |
| Ow | *White Oak |
| O | OTHER EXOTICS |
| Oa | *Horse Chestnut |
| Oc | *Coast Redwood |
| Or | European Mountain Ash |
| Oe | Siberian Elm (southern) |
| Oh | *Common Ash |
| Oy | Oregon Ash |
| On | *White Ash |
| Ot | *Shagbark Hickory |
| Oj | Tree-of-heaven |
| Ow | *Japanese Walnut |
| P | PINE |
| Pm | *Monterey Pine |
| Pr | *Red Pine |
| Ps | *Sugar Pine |
| S | 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 aremot present, e.g. young stands (<50yrs). It is identified 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 record(s)**

NON-TREED SHRUB
- sl 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 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, 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 record(s)**

| | | | | | |
|---|---|---|---|---|---|
| ap | AIRPORT | gp | GRAVEL PIT | mu | MUDFLAT SEDIMENT |
| be | BEACH | la | LAKE | mz | RUBBLY MINE SPOILS |
| bl | BLOCKFIELD | lb | LAVA BED | oc | OCEAN |
| br | BEDROCK | l | LANDING | ot | OTHER |
| bu | BURNED AREA | lk | POND or LAKE SEDIMENTS | pn | SNOW COVER |
| cb | CLIFF/BANK | ls | OPEN WATER | ra | RIVER BANK |
| es | EXPOSED SOILS | rm | MORAINE | ri | RIVER / STREAM |
| gl | GLACIER | | | | |

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

| | | | |
|---|---|---|---|
| rm | RESERVOIR/MARSH |
| rr | RAILWAY SURFACE |
| rs | RIVER SEDIMENTS |
| rz | ROAD SURFACE |
| tz | TALUS |
| ur | URBAN |
| ur | URBAN |

**NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for E record(s)**

| | | | | | |
|---|---|---|---|---|---|
| AF | ALPINE FOREST | NP | NON PRODUCTIVE | SAND | SAND |
| AT | 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 |
| I | ICE / FIRN / PNT | OR | OPEN RANGE | NPBR | NON PRODUCTIVE BRUSH |
| ICE | ICEFIELD | R | ROCK | 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 preceded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

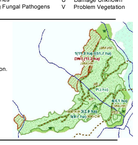
| | | | |
|---|---|---|---|
| A | Animal Damage | L | Logging |
| B | Wildfire | M | Mite Damage |
| C | Cone and Seed Insects | N | Non-Biological Injuries |
| D | Diseases | P | Cone and Seedling Fungal Pathogens |
| I | Insects | | |
| R | Site Rehabilitation |
| T | Treatment Injuries |
| U | Damage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

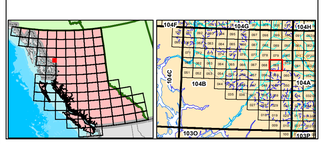
**Example Opening History Details**

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






130°25'0"W 130°24'0"W 130°23'0"W 130°22'0"W 130°21'0"W 130°20'0"W 130°19'0"W 130°18'0"W 130°17'0"W 130°16'0"W 130°15'0"W 130°14'0"W 130°13'0"W 130°12'0"W 130°11'0"W

414,000 415,000 416,000 417,000 418,000 419,000 420,000 421,000 422,000 423,000 424,000 425,000 426,000 427,000

6,284,000 6,283,000 6,282,000 6,281,000 6,280,000 6,279,000 6,278,000 6,277,000 6,276,000 6,275,000 6,274,000

56°42'0"N 56°41'0"N 56°40'0"N 56°39'0"N 56°38'0"N 56°37'0"N

104B078 104B079 104B080 104B068 104B069 104B070 104B058 104B059 104B060

76-28 130 76-7

Skeena Stikine Natural Resource District
CASSIAR DISTRICT

Coast Mountains Natural Resource Di
75360

Coast Mountains 75207

Overflow Labels



104B069