093O071

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

# Vegetation Map
# 093O071

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 management of forests, mines and lands by the Ministry of Forests, Lands, and Natural Resource Operations. The information available on this map 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 (CVS)
- 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
- Hydro/No-Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

**Administrative Boundaries:**
- BC Provincial Boundary
- NR/LNRO 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 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 Opening Number**

nnnn - opening number valid for BCGS mapsheet  zzzn - 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 | YEW |
| Yc | Yellow Cedar |
| F | DOUGLAS FIR |
| Fd | Douglas Fir |
| Fdc | Coastal Douglas Fir |
| Fdi | Interior Douglas Fir |
| H | HEMLOCK |
| Hw | Western Hemlock |
| Hm | Mountain Hemlock |
| J | JUNIPER - Western Hemlock hybrid |
| Jr | Rocky Mtn. Juniper |
| Js | Scopulorum Juniper |
| L | LARCH |
| La | Alpine Larch |
| Lw | Western Larch |
| Lt | Western Larch |
| P | PINE |
| Pa | White Pine |
| Pf | Limber Pine |
| Pl | Lodgepole Pine |
| Pli | Lodgepole Pine (interior) |
| Plc | Lodgepole x Jack Pine hybrid |
| Pj | Jack Pine (northern) |
| Pp | Shore Pine (coastal) |
| Pw | Western White Pine |
| Py | Ponderosa Pine |
| S | SPRUCE |
| Sb | Black Spruce |
| Se | Engelmann Spruce |
| Sx | Sitka Spruce |
| Sw | White Spruce |
| Sxe | Sitka x White |
| Sxw | Engelmann x White |
| Sxl | Sitka x White |
| Sxs | Sitka x unknown hybrid |
| Ss | Sitka |
| Sw | Western Yew |

**NATIVE HARDWOODS**

| | |
|---|---|
| D | ALDER |
| Dr | Red Alder |
| U | APPLE |
| Up | Pacific Crab-Apple |
| At | ASPEN; COTTONWOOD or POPLAR |
| Ac | Poplar |
| Act | Balsam Poplar |
| Act | Black Cottonwood |
| Ax | hybrid Poplars |
| Al | Trembling Aspen |
| Ep | Paper Birch |
| Ba | Arbutus |
| E | BIRCH |
| Ea | Alaska Paper Birch |
| Eap | Alaska x Paper Birch hybrid |
| Ew | Water Birch (riparian) |
| Ew | Water Birch |
| K | CASCARA |
| V | CHERRY |
| V | CHERRY |
| Vb | Bitter Cherry |
| Vv | Choke Cherry |
| G | DOGWOOD |
| Gp | Pacific Dogwood (western flowering) |
| M | MAPLE |
| Mb | Broadleaf Maple (broadleaf) |
| Mv | Vine Maple |
| G | OAK |
| O | GARRY OAK |
| W | WILLOW |
| Wb | Bebb's Willow |
| Wp | Pacific Willow |
| Wa | Peachleaf Willow (Bonnyleaf) |
| Ww | Pussy Willow (gray leaved) |
| Wr | Red Willow |
| Wl | Sitka Willow (tree-leaved) |

**UNKNOWN - OTHER**

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

**EXOTICS**

| | |
|---|---|
| Ux | APPLE |
| | Apple |
| | ASPEN, COTTONWOOD or POPLAR |
| Axt | *Southern Cottonwood |
| | BIRCH |
| Ea | European Birch |
| Ek | Silver Birch (swamp) |
| Ey | *Yellow Birch |
| | CHERRY |
| Vs | Sweet Cherry |
| | CYPRESS |
| Yp | *Port Orford Cedar |
| | FIR |
| Bg | *Balsam Fir |
| Bgl | Noble Fir |
| Bn | *Nikko Fir |
| Bs | *White Fir |
| | LARCH |
| Ld | *European Larch |
| Lk | *Siberian Larch |
| | MAPLE |
| Mr | Box Elder |
| Mr | *Norway Maple |
| Mp | *Sycamore Maple |
| | OAK |
| Qe | *English Oak |
| Qr | *Red Oak |
| | OTHER EXOTICS |
| Ot | *Incense Cedar |
| Oc | *Giant Sequoia |
| Ob | *Coast Redwood |
| Od | European Mountain Ash |
| Oj | *Japanese Cedar (Sugi) |
| Of | Common Pear |
| Og | Oregon Ash |
| Ol | *Russian Olive |
| Ot | *Straggle's Hickory |
| Ot | 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 cannot present, e.g. young stands (<30yrs). SI is denoted by a stach 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 recs(4))**

**NON-TREED SHRUB**
sb - SHRUB - 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 - GRAMINOID - herb with graminoids > 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 - LICHEN - bryoid with lichens > 50% of the bryoid cover.

**NON-VEGETATED CATEGORIES (for I and I recs(4))**

| | | | | | |
|---|---|---|---|---|---|
| ap | AIRPORT | gp | GRAVEL PIT | mu | MUD/FLAT SEDIMENT |
| be | BEACH | ic | ICE | ru | RUBBLE/ MINE SPOILS |
| bl | BLOCKFIELD | la | LAVA BED | oc | OCEAN |
| br | BEDROCK | lk | LANDING | rr | OTHER |
| cb | CLIFF/ROCK AREA | ls | LAKE/ SALT LAKE SEDIMENTS | sn | PERMANENT COVER |
| cu | CUTBANK | op | OPEN PIT MINE | re | RESERVOIR |
| es | EXPOSED SOILS | rm | MORAINE | r | RIVER / STREAM |
| gl | GLACIER | | | | |

Note: Water categories (lk, ls, re, r) not labelled over 50 percent coverage.

| | | | |
|---|---|---|---|
| rm | RESERVOIR MARGIN | | |
| rw | RAILWAY SURFACE | | |
| rv | RIVER SEDIMENTS | | |
| rs | ROAD SURFACE | | |
| sl | SALT | | |
| tz | TAILINGS | | |
| u | URBAN | | |

**NON-FOREST / NON PRODUCTIVE DESCRIPTOR CODES (for F recs(4))**

| | | | | | |
|---|---|---|---|---|---|
| A | ALPINE | NPBR | NON PRODUCTIVE BRUSH | SAND | SAND |
| AF | ALPINE FOREST mpecies | NPBS | NON PRODUCTIVE BRUSH | TIDE | TIDAL FLAT |
| C | CULTIVATED | NPBU | NON PRODUCTIVE BURN | U | URBAN |
| CP | CUT BLOCK | NPF | NON PRODUCTIVE FOREST mpecies | | |
| G | GRASS, MEA | NTA | NOT TYPED AVAILABLE | NC | NON COMMERCIAL |
| GR | GRAVEL PIT | OB | OPEN RANGE | NCBR | NON COMMERCIAL BRUSH |
| ICE | ICE FIELD | P | WATER LOG | NP | NON PRODUCTIVE |
| M | MEADOW | R | ROCK | NSR | NOT SUFFICIENTLY RESTOCKED |
| MO | MUD/ SEDIMENT | S | SWAMP | NTA | NOT TYPED 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.

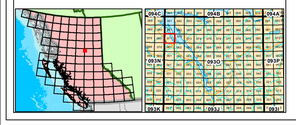
| | | | |
|---|---|---|---|
| A | Animal Damage | L | Logging |
| B | Wildfire | M | Mite Damage |
| C | Cone and Seed Insects | N | Non-Biological Injuries |
| D | Diseases | P | Cone and Seedling Fungal Pathogens |
| I | Insects | | |
| R | Site Rehabilitation | | |
| T | Treatment Injuries | | |
|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

**Example Opening History Details**

Detailed Silviculture information is available on the BCGW following 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




093O090 093O081 093O082 093O080 093O071 093O072 093O070 093O061 093O062

SIAR DISTRICT

49 1391 1391 1391 1391 2000

69-113 69-119 69-117 69-1 69-3

CARIBOO DISTRICT
Mackenzie Natural Resource District

437,000 438,000 439,000 440,000 441,000 442,000 443,000 444,000 445,000 446,000 447,000 448,000 449,000 450,000

124°0'0"W 123°59'0"W 123°58'0"W 123°57'0"W 123°56'0"W 123°55'0"W 123°54'0"W 123°53'0"W 123°52'0"W 123°51'0"W 123°50'0"W 123°49'0"W 123°48'0"W

55°48'0"N 55°47'0"N 55°46'0"N 55°45'0"N

Overflow Labels

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