Vegetation Map Legends

Map Symbology, Forest Inventory Features, TRIM Base Features, Administrative Boundaries and MoFR Ownership Theme

### MAP SYMBOLOGY

#### Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- *(XV, XG...)* VEG Phase 1 (1998+)
- VGIS Phase 2 Samples
- *(X, XG...)* Phase 1 - Calls (pre VEG)
- *(SAM)* Phase 2 - Samples (pre VEG)
- *(LSAM, P2...)* Phase 1 & 2 (pre VEG)
- Permanent Sample Plot (YS)
- Research Installations

#### TRIM Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Ferries
- Other
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- HydroNavBarriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

#### Administrative Boundaries:
- BC Provincial Boundary
- Forest 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 - Tantals
- National Parks
- Protected Area - PARK
- Ecological Reserve
- Municipal boundary (15% hatch)
- First Nations
- Provincial Park
- Protected Area

#### MoFR OWNERSHIP Theme

Source: MoFR Final_Owner_BC

**OWNERSHIP & SCHEDULE**

- 40-N Private - Crown Grants
- 50-N Federal Reserve
- 51-N National Parks
- 52-N Indian Reserves
- 53-N Military Reserves
- 54-N Dominion Government Block
- 60-N Ecological Reserves
- 61-N UREP < 100 ha
- 61-C UREP > 100 ha
- 62-C Forest Management Unit TSA
- 63-N Provincial Park Class A
- 67-N Provincial Park equivalent
- 69-N Reserves < 100 ha
- 69-C Reserves > 100 ha
- 70-C Timber Licence in TFL
- 70-N Timber Licence in TSA
- 72-A Private Schedual A in TFL
- 72-B Crown Schedual B in TFL
- 74-N Timber Allocated in Watershed
- 75-N Christmas Tree Permits
- 77-N Woodlot Licence Schedule B
- 79-B Community Forest
- 99-N Misc Leases < 100 ha
- 99-C Misc Leases > 100 ha

**Other:**
- Mapsheet Grid (1:20,000)
**Line Description**

- Line 1 – History Record Opening Number
- Line 2 – Polygon No./ Multi-layer
- Line 3 – BC Tree Code List
- Line 4 - Age Class, Height Class, Crown Closure Class, Site Index and Estimate Site Index
- Line 5 – Vegetation Records
  - VEGETATED NON-TREE CATEGORIES (for V and I records)
  - NON-VEGETATED CATEGORIES (for V and I records)
  - NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F records)
- Line 6 – Disturbance History

**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 (Douglas 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 (0.1-1.04m), 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**

- `[ ]/12` - opening number valid for BCGS mapsheet
- `[ ]/12` - opening number valid for adjacent BCGS mapsheet
- `[ ]/12` - opening number valid for NTS mapsheet
-音响 - opening number has not been assigned

**Line 2 – Polygon No. / Multi-layer**

- VRIMS Polygon Number - ranging from one to nine digits
- `/` - 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>CEDAR</td>
</tr>
<tr>
<td>Ow</td>
<td>Western Red Cedar</td>
</tr>
<tr>
<td>Y</td>
<td>CYPRESS</td>
</tr>
<tr>
<td>Yc</td>
<td>Yellow Cedar</td>
</tr>
<tr>
<td>F</td>
<td>DOUGLAS FIR</td>
</tr>
<tr>
<td>Fq</td>
<td>Douglas Fir</td>
</tr>
<tr>
<td>Fdc</td>
<td>Coastal Douglas Fir</td>
</tr>
<tr>
<td>Fqi</td>
<td>Interior Douglas Fir</td>
</tr>
<tr>
<td>B</td>
<td>FIR (Balsam)</td>
</tr>
<tr>
<td>Ba</td>
<td>Amabilis Fir</td>
</tr>
<tr>
<td>Gf</td>
<td>Grand Fir</td>
</tr>
<tr>
<td>Bl</td>
<td>Subalpine Fir (alpine)</td>
</tr>
<tr>
<td>H</td>
<td>HEMLOCK</td>
</tr>
<tr>
<td>Hm</td>
<td>Mountain Hemlock</td>
</tr>
<tr>
<td>Hw</td>
<td>Western Hemlock</td>
</tr>
<tr>
<td>Hxm</td>
<td>Mountain x Western Hemlock hybrid</td>
</tr>
<tr>
<td>J</td>
<td>JUNIPER</td>
</tr>
<tr>
<td>Jr</td>
<td>Rocky Mt. Juniper</td>
</tr>
<tr>
<td>Js</td>
<td>Seaside Juniper</td>
</tr>
<tr>
<td>L</td>
<td>LARCH</td>
</tr>
<tr>
<td>La</td>
<td>Alpine Larch</td>
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<tr>
<td>Lt</td>
<td>Tamarack</td>
</tr>
<tr>
<td>Lw</td>
<td>Western Larch</td>
</tr>
<tr>
<td>P</td>
<td>PINE</td>
</tr>
<tr>
<td>Pj</td>
<td>Jack Pine</td>
</tr>
<tr>
<td>Pf</td>
<td>Limber Pine</td>
</tr>
<tr>
<td>Ph</td>
<td>Lodgepole Pine</td>
</tr>
<tr>
<td>Phl</td>
<td>Lodgepole Pine (interior)</td>
</tr>
<tr>
<td>Pji</td>
<td>Lodgepole x Jack Pine hybrid</td>
</tr>
<tr>
<td>Py</td>
<td>Ponderosa Pine (yellow)</td>
</tr>
<tr>
<td>Plc</td>
<td>Shore Pine (coast)</td>
</tr>
<tr>
<td>Pw</td>
<td>Western White Pine</td>
</tr>
<tr>
<td>Pa</td>
<td>Whitebark Pine</td>
</tr>
<tr>
<td>Sp</td>
<td>SPRUCE</td>
</tr>
<tr>
<td>Sb</td>
<td>Black Spruce</td>
</tr>
<tr>
<td>Se</td>
<td>Engelmann Spruce</td>
</tr>
<tr>
<td>Ss</td>
<td>Sitka Spruce</td>
</tr>
<tr>
<td>Sw</td>
<td>White Spruce</td>
</tr>
<tr>
<td>Sx</td>
<td>Spruce hybrid</td>
</tr>
<tr>
<td>Ssw</td>
<td>Engelmann x White</td>
</tr>
<tr>
<td>Sxw</td>
<td>Sitka x White</td>
</tr>
<tr>
<td>Sxs</td>
<td>Sitka x unknown hybrid</td>
</tr>
<tr>
<td>T</td>
<td>YEW</td>
</tr>
<tr>
<td>Tw</td>
<td>Western Yew</td>
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### NATIVE HARDWOODS

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<th>Code</th>
<th>Species</th>
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<tr>
<td>D</td>
<td>ALDER</td>
</tr>
<tr>
<td>Dr</td>
<td>Red Alder</td>
</tr>
<tr>
<td>U</td>
<td>APPLE</td>
</tr>
<tr>
<td>Up</td>
<td>Pacific Crab Apple</td>
</tr>
<tr>
<td>A</td>
<td>ASPEN, COTTONWOOD or POPLAR</td>
</tr>
<tr>
<td>Ac</td>
<td>Poplar</td>
</tr>
<tr>
<td>Acb</td>
<td>Balsam Poplar</td>
</tr>
<tr>
<td>Acg</td>
<td>Black Cottonwood</td>
</tr>
<tr>
<td>Ax</td>
<td>hybrid Poplars</td>
</tr>
<tr>
<td>At</td>
<td>Trembling Aspen</td>
</tr>
<tr>
<td>R</td>
<td>ARBUTUS</td>
</tr>
<tr>
<td>Ra</td>
<td>Artibutus</td>
</tr>
<tr>
<td>E</td>
<td>BIRCH</td>
</tr>
<tr>
<td>Ee</td>
<td>Alaska Paper Birch</td>
</tr>
<tr>
<td>Exp</td>
<td>Alaska x Paper Birch hybrid</td>
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<tr>
<td>Ep</td>
<td>Paper Birch (white)</td>
</tr>
<tr>
<td>Ew</td>
<td>Water Birch</td>
</tr>
<tr>
<td>K</td>
<td>CASCARA</td>
</tr>
<tr>
<td>Kc</td>
<td>Cascara</td>
</tr>
<tr>
<td>V</td>
<td>CHERRY</td>
</tr>
<tr>
<td>Vs</td>
<td>Sweet Cherry</td>
</tr>
<tr>
<td>Vp</td>
<td>Port Orford Cedar</td>
</tr>
<tr>
<td>B</td>
<td>FIR (Balsam)</td>
</tr>
<tr>
<td>Bb</td>
<td>Balsam Fir</td>
</tr>
<tr>
<td>Bp</td>
<td>Noble Fir</td>
</tr>
<tr>
<td>Br</td>
<td>Shasta Red Fir</td>
</tr>
<tr>
<td>Bc</td>
<td>White Fir</td>
</tr>
<tr>
<td>L</td>
<td>LARCH</td>
</tr>
<tr>
<td>Ld</td>
<td>Dahutian Larch</td>
</tr>
<tr>
<td>Ls</td>
<td>Siberian Larch</td>
</tr>
<tr>
<td>M</td>
<td>MAPLE</td>
</tr>
<tr>
<td>Mv</td>
<td>Vine Maple</td>
</tr>
<tr>
<td>Q</td>
<td>OAK</td>
</tr>
<tr>
<td>Qg</td>
<td>Garry Oak</td>
</tr>
<tr>
<td>W</td>
<td>WILLOW</td>
</tr>
<tr>
<td>Wb</td>
<td>Deb’s Willow</td>
</tr>
<tr>
<td>Wp</td>
<td>Pacific Willow</td>
</tr>
<tr>
<td>Ws</td>
<td>Pussy Willow (gray-leaved)</td>
</tr>
<tr>
<td>Wt</td>
<td>Sitka Willow (tea-leaved)</td>
</tr>
<tr>
<td>X</td>
<td>OTHER</td>
</tr>
<tr>
<td>Xc</td>
<td>other conifer</td>
</tr>
<tr>
<td>Xh</td>
<td>other hardwood</td>
</tr>
<tr>
<td>Z</td>
<td>OTHER (tree not on list)</td>
</tr>
<tr>
<td>Zc</td>
<td>other conifer</td>
</tr>
<tr>
<td>Zh</td>
<td>other hardwood</td>
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### EXOTICS

<table>
<thead>
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<th>Species</th>
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<tr>
<td>Ua</td>
<td>Apple</td>
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<tr>
<td>Ad</td>
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<tr>
<td>Ac</td>
<td>BIRCH</td>
</tr>
<tr>
<td>Acb</td>
<td>European Birch</td>
</tr>
<tr>
<td>As</td>
<td>Silver Birch (swamp)</td>
</tr>
<tr>
<td>Ey</td>
<td>*Yellow Birch</td>
</tr>
<tr>
<td>Vs</td>
<td>Sweet Cherry</td>
</tr>
<tr>
<td>Yp</td>
<td>CYPRESS</td>
</tr>
<tr>
<td>Bb</td>
<td>*Balsam Fir</td>
</tr>
<tr>
<td>Bp</td>
<td>Noble Fir</td>
</tr>
<tr>
<td>Br</td>
<td>Shasta Red Fir</td>
</tr>
<tr>
<td>Bc</td>
<td>White Fir</td>
</tr>
<tr>
<td>L</td>
<td>LARCH</td>
</tr>
<tr>
<td>Ld</td>
<td>*Dahutian Larch</td>
</tr>
<tr>
<td>Ls</td>
<td>*Siberian Larch</td>
</tr>
<tr>
<td>M</td>
<td>MAPLE</td>
</tr>
<tr>
<td>Mv</td>
<td>*Box Elder</td>
</tr>
<tr>
<td>Mn</td>
<td>*Norway Maple</td>
</tr>
<tr>
<td>Ms</td>
<td>*Sycamore Maple</td>
</tr>
<tr>
<td>O</td>
<td>OAK</td>
</tr>
<tr>
<td>Qe</td>
<td>*English Oak</td>
</tr>
<tr>
<td>Qw</td>
<td>*White Oak</td>
</tr>
<tr>
<td>Qb</td>
<td>OTHER EXOTICS</td>
</tr>
<tr>
<td>Qa</td>
<td>*Intense Cedar</td>
</tr>
<tr>
<td>Qb</td>
<td>*Giant Sequoia</td>
</tr>
<tr>
<td>Oc</td>
<td>*Coast Redwood</td>
</tr>
<tr>
<td>Qd</td>
<td>European Mountain Ash</td>
</tr>
<tr>
<td>Qe</td>
<td>Siberian Elm (southern)</td>
</tr>
<tr>
<td>Qh</td>
<td>Common Pear</td>
</tr>
<tr>
<td>Qg</td>
<td>Oregon Ash</td>
</tr>
<tr>
<td>Qf</td>
<td>*White Ash</td>
</tr>
<tr>
<td>Or</td>
<td>*Shagbark Hickory</td>
</tr>
<tr>
<td>Of</td>
<td>Tree-of-heaven</td>
</tr>
<tr>
<td>Qk</td>
<td>Japanese Walnut</td>
</tr>
<tr>
<td>Qw</td>
<td>PINE</td>
</tr>
<tr>
<td>Pm</td>
<td>*Monterey Pine</td>
</tr>
<tr>
<td>Pr</td>
<td>*Red Pine</td>
</tr>
<tr>
<td>Ps</td>
<td>*Sugar Pine</td>
</tr>
<tr>
<td>Sp</td>
<td>SPRUCE</td>
</tr>
<tr>
<td>Sr</td>
<td>*Norway Spruce</td>
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</table>
### 4a AGE CLASS

<table>
<thead>
<tr>
<th>CODE</th>
<th>LIMITS (years)</th>
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<tr>
<td>1</td>
<td>1-20</td>
</tr>
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<td>2</td>
<td>21-40</td>
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<tr>
<td>3</td>
<td>41-60</td>
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<td>4</td>
<td>61-80</td>
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<td>5</td>
<td>81-100</td>
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<td>6</td>
<td>101-120</td>
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<td>7</td>
<td>121-140</td>
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<tr>
<td>8</td>
<td>141-260</td>
</tr>
<tr>
<td>9</td>
<td>251+</td>
</tr>
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</table>

### 4b HEIGHT CLASS

<table>
<thead>
<tr>
<th>CODE</th>
<th>LIMITS (metres)</th>
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<tr>
<td>1</td>
<td>0.1 - 10.4</td>
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<tr>
<td>2</td>
<td>10.5 - 19.4</td>
</tr>
<tr>
<td>3</td>
<td>19.5 - 28.4</td>
</tr>
<tr>
<td>4</td>
<td>28.5 - 37.4</td>
</tr>
<tr>
<td>5</td>
<td>37.5 - 46.4</td>
</tr>
<tr>
<td>6</td>
<td>45.5 - 55.4</td>
</tr>
<tr>
<td>7</td>
<td>55.5 - 64.4</td>
</tr>
<tr>
<td>8</td>
<td>65.5 +</td>
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</table>

### 4c CROWN CLOSURE CLASS

<table>
<thead>
<tr>
<th>CODE</th>
<th>LIMITS (percentage)</th>
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<td>6 - 15</td>
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<tr>
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<td>26 - 35</td>
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<td>36 - 45</td>
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<td>46 - 55</td>
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<td>6</td>
<td>56 - 65</td>
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<td>66 - 75</td>
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<td>8</td>
<td>76 - 85</td>
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<tr>
<td>9</td>
<td>86 - 100</td>
</tr>
</tbody>
</table>

### 4d SITE INDEX

All SI are shown to the nearest meter 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 (<30 yrs). SI is denoted by a slash which always precedes it. Associated fields in the database 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 meters.
- sl: SHRUB LOW - shrub with average shrub height < two meters.

**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 - GRAMINODS - 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 - LICHENS - bryoid with lichens > 50% of the bryoid cover.

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

- ap: AIRPORT
- be: BEACH
- bl: BLOCKFIELD
- br: BEDROCK
- bu: BURNED AREA
- cb: CUTBACK
- es: EXPOSED SOILS
- gl: GLACIER

**Non-forest / non-productive descriptor codes (for F records)**

- A: ALPINE
- AF: ALPINE FOREST/Species
- C: CULTIVATED
- CL: CLAY BANK
- G: GRAVEL BAR
- GR: GRAVEL PIT
- ICE: ICEFIELD
- M: MEADOW
- MU: MUD FLAT
- N: NAP
- NP: NON PRODUCTIVE
- NC: NON COMMERCIAL
- NCR: NON COMMERCIAL ROCK
- P: PACE
- PH: PLOWED HAYFIELD
- R: ROCK
- NT: NOT TYPING AVAILABLE
- f: FRESHWATER
- O: OPEN RANGE
- NCBR: NON COMMERCIAL BRUSH
- NR: NOT SUFFICIENTLY RESTOCKED
- SW: SWAMP
- NTA: NOT TYPING AVAILABLE
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  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 LRDW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

The Ministry of Forest and Range 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