

Vegetation Map Legends

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

MAP SYMBOLOGY

<p>Forest Inventory Features:</p> <ul style="list-style-type: none"> Forest Vegetation Polygons Silviculture Opening in Vegetation * (XV,XGV...) 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 (GYS) Research Installations <p>MoFR OWNERSHIP Theme Source - MoFR Final_Owner_BC</p> <p>OWNERSHIP & SCHEDULE</p> <ul style="list-style-type: none"> 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 Scheduling A in TFL 72-B Crown Scheduling B in TFL 74-N Timber Alienated in Watershed 75-N Christmas Tree Permits 77-N Woodlot Licence Scheduling B 79-B Community Forest 99-N Misc Leases < 100 ha 99-C Misc Leases > 100 ha 	<p>TRIM, Base Features:</p> <ul style="list-style-type: none"> 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 	<p>Administrative Boundaries:</p> <ul style="list-style-type: none"> BC Provincial Boundary Forest District boundary - FADM INV Region-Compartment - FADM Provincial Forest area - FADM Timber Supply Area-Block - FADM Tree Farm Licences - FADM Land District boundary Administrative boundary Survey Parcels - Tantalus National Parks Protected Area - PARK Ecological Reserve Municipal boundary (15% hatch) First Nations Provincial Park Protected Area <p>Other:</p> <ul style="list-style-type: none"> Mapsheet Grid (1:20,000)
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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

- 12*
123/L
Fd(Hw)
211-20
he,sl
QL78
- 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 (0.1-10.4m), 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 than 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

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 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)
 Ba Amabilis Fir
 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
 Js Seaside Juniper
 L LARCH
 La Alpine Larch
 Lt Tamarck
 Lw Western Larch
 P PINE
 Pj Jack Pine
 Pf Limber Pine
 Pl Lodgepole Pine
 Pli Lodgepole Pine (interior)
 Pxi 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
 Sxi Sitka x White
 Sxi Sitka x unknown hybrid
 T YEW
 Tw Western Yew

NATIVE HARDWOODS

D ALDER
 Dr Red Alder
 U APPLE
 Up Pacific Crab Apple
 A ASPEN, COTTENWOOD or POPLAR
 Ac Poplar
 Acb Balsam Poplar
 Act Black Cottenwood
 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

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

EXOTICS

APPLE
 Ua Apple
 ASPEN, COTTENWOOD or POPLAR
 Ad *Southern Cottenwood
 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 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 (<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 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 - GRAMINOIDS - 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

- 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	m RESERVOIR MARGIN
be BEACH	la LAKE	mz RUBBLY MINE SPOILS	m 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 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

