0920042

Vegetation Map
092O042

Ministry of Forests, Lands and Natural Resource Operations

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 / Terrain.

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 displayed on this map is not to be used to determine 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
- Structure Opening in Vegetation
- Permanent Sample Plot (CFS)
- Research Installations

TRIM, Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Marl/Barriers - 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 - Terrains
- 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: 3 = stocked with commercial species between 5m and gramminoids, shrubs less than 2m.
6 Disturbance History & Year ex: Logged in 1978

Line 1 - History Record Opening Number

OOO - opening number valid for BCGS mapsheet
POOR - 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 4.6 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	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
Ss	Sitka/Juniper
L	LARCH
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodge Pole
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (interior)
Pxj	Lodgepole x Jack Pine hybrid
Pxx	Pine Hybrid (unknown)
Pw	Western White Pine
Pwi	Western White Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxe	Engelmann x White
Sxs	Sitka x White
Sxx	Sitka x unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
D	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Act	Black Cottonwood
Ah	Hybrid Poplars
At	Trembling Aspen
Ab	ARBUTUS
R	ARBUTUS
E	BIRCH
Ep	Alaska Paper Birch
Ex	Alaska x Paper Birch Hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Ac	CascaraCascara
V	CHERRY
Vf	Fire Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Dw	DOGWOOD
Dwf	DOGWOOD (Pagoda/ (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
W	WILLOW
Sg	Carry Oak
W	WILLOW
Wb	Black Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bantley's)
Wr	Red Willow (Sitka Valley Variety)
Ws	Scouler's Willow
Wi	Sitka Willow (tea-leaved)

UNKNOWN or OTHER

X	unknown
Xc	unknown conifer
Xh	unknown broadleaved
Y	OTHER (does not run list)
Z	conifer
Zh	other hardwood

EXOTICS

Ep	APPLE
Ve	CHERRY
A	ASPEN, COTTONWOOD or POPLAR
Ax	*Southern Cottonwood
E	BIRCH
Ea	European Birch
Ev	Silver Birch (swamp)
Ev	Silver Birch
Y	CYPRESS
Yo	*Nootka Cedar
Lk	FIR (Subalpine)
Lk	*Subalpin Fir
Lx	*Grand Fir
Lx	*Shasta Red Fir
Lx	*White Fir
Lw	LARCH
Lw	*Siberian Larch
Lk	*Alpine Larch
Mw	Box Elder
Mr	*Norway Maple
Mp	*Sycamore Maple
O	OAK
Qe	*English Oak
Qg	*White Oak
Q	OTHER EXOTIC
Oa	*Garry Oak
Ob	*Giant Sequoia
Og	*Coast Redwood
Oh	*Golden Weeping Ash
Oe	*Siberian Elm (southern)
Of	Common Pear
Ow	*Weeping Pear
Oh	*White Ash
G	*Shagbarck Hickory
Gj	*Japanese Walnut
Gk	Japanese Walnut
P	PINE
Pa	*Austrian Pine
Pm	*Red Pine
Py	*Sugar Pine
Pp	*Pine
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 dominant and co-dominant trees. If site index is estimated age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees arenot present; e.g. young stands (<50yrs). It is denoted by a slash which always precedes the estimated value. Estimated SI 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 metres.
sl	SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB

he	HERB - herb with no distinction between forbs and gramnoids.
hf	HERB - FORBS - herb with forbs > 50% of the herb cover.
hg	HERB - GRAMINOID - herb with gaminoids > 50% of the herb cover.

NON-TREED BRYOID

bx	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)

bl	BARE SOIL	gl	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	gp	GRAVEL PIT	mw	RUBBLY MINE SPOILS
bl	BLOCKFIELD	la	LAVA BED	no	OCEAN
br	BRUSH MAT	lk	LAKE	ow	OPEN WATER
bu	BURNED AREA	lp	POND <= LAKE SEDIMENTS	sn	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
ms	MINERAL SOILS	mw	MORAINE	ri	RIVER / STREAM
gl	GLACIER				

Note: Water codes (lk, ow, re, ri) not labelled over 90 percent coverage.

rm	RESERVOIR MARGIN
rm	RAILWAY SURFACE
rs	RIVER SEDIMENTS
rn	ROCK SURFACE
ta	TALUS
ti	TAILINGS
ur	URBAN

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

A	ALPINE	NP	NON PRODUCTIVE	MAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
BY	BRYOIDS	NPBRS	NON PRODUCTIVE BRUSH	U	URBAN
CL	CLAY MINE	NPF	NON PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GP	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
OE	OTHER	R	ROCKFIELD	NOR	NOT OPERABLE
M	MEADOW	S	SCREE	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	SWAMP		NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

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

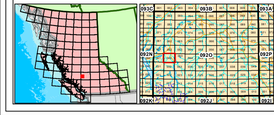
A	Animal Damage	L	Logging
C	Cone Crop	N	Non-Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seeding Fungal Pathogens
I	Insects		
R	Site Rehabilitation
S	Silvicultural Injuries
U	Damage Unknown
V	Problem Vegetation

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 "Opening" tab then click on "Display Silviculture Map" to turn on display values for -

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
WILDLIFE TREE FOREST COVER
WILDLIFE TREE PATCH



Overflow Labels

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