092J099

Vegetation Map
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BRITISH COLUMBIA
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 / 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 displayed on this map is approximate. 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
- Sructure Opening >= Vegetation
- Permanent Sample Plot (2015)
- Research Installations

TRIM. Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airstrips
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofan/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 - 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 (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 forb 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

092J - opening number valid for BCGS mapsheet
9999 - 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 dataed January 2009.

NATIVE CONIFERS
C CEDAR
Cw Western Red Cedar
Y CYPRESS
Yc Yellow Cedar
Yp Pacific Coast Yew
Fd DOUGLAS FIR
Fdc Coastal Douglas Fir
Fdi Interior Douglas Fir
Bg GRAND FIR
Ba Amabilis Fir
Bg Grand Fir
B Subalpine Fir (alpine)
H HEMLOCK
Hm Mountain Hemlock
Hw Western Hemlock
Hx Hybrid Mountain Hemlock-Yellow
J JUNIPER
Jr Rocky Mtn. Juniper
Js Common Juniper
L LARCH
La Alpine Larch
Lt Tamarack
Lw Western Larch
P PINE
Pa Whitebark Pine
Pl Lodgepole Pine
Pli Lodgepole Pine (interior)
Plc Lodgepole Pine (coastal)
Plx Lodgepole x Jack Pine hybrid
Py Ponderosa Pine (yellow)
Pp Ponderosa Pine
Pw Western White Pine
Pw Whitebark Pine
S SPRUCE
Se Engelmann Spruce
Sxe Engelmann Spruce
Sx Sitka Spruce
Sxl Spruce Lutzii
Sxr Spruce Hybrid
Sxw Engelmann x White
Sxs Sitka x Stika
Sxx Sitka x unknown hybrid
T YEW
Tw Western Yew

NATIVE HARDWOODS
D ALDER
Dr Red Alder
E COTTONWOOD
Ep Pacific Cieb Apple
A ASPEN, COTTONWOOD or POPLAR
Ac Poplar
Act Black Cottonwood
Ax hybrid Poplars
At Trembling Aspen
AT ARBUTUS
Ar Arbutus
Ep Birch
Epp Alaska x Paper Birch hybrid
Epg Alaska x Glandular
Ew Water Birch
K CASCARA
Kc CASCARA
E CHERRY
Ve Bitter Cherry
Vm Black Cherry
Vo Pin Cherry
G DOGWOOD
Gp Pacific Dogwood (western flowering)
MAPLE
Mb Bigleaf Maple (broadleaf)
Mv Vine Maple
O OAK
Gb Garry Oak
W WILLOW
Wp Pacific Willow
Wb Pacific Willow
Wb Peachleaf Willow (Bentzie's)
Wr Pacific Willow (Bentzie's)
Wr Scouler's Willow
Wr Sitka Willow (low-leaved)

UNKNOWN - OTHER
X UNKNOWN
Xh unknown broadleaf
Xh unknown hardwood
Z OTHER (was not on list)
Zz Shrubs
Za other hardwood

EXOTICS
APPLE
Ja Apple
Af HYBRID, COTTONWOOD or POPLAR
Ebc European Cottonwood
BIRCH
Ep European Birch
Epk Kashmir (Himalayan)
Ey Yellow Birch
CHERRY
Cm Mazzard Cherry
CYPRESS
Yp Pond Orford Cedar
Ys Sawara Cypress
Ypn Nootka Fir
Bp Noble Fir
Bpr Red Noble Fir
Bc Nihkka Fir
LARCH
Lk Japanese Larch
Lsi Siberian Larch
MAPLE
Mn Norway Maple
Mr Rocheary Maple
Ms Sycamore Maple
OAK
Gr English Oak
Qw White Oak
Qbo Northern RED OAK
Qw Timotree Cedar
Qb Giant Sequoia
Qbo Northern Red Oak
Qur European Mountain Ash
Qs Siberian Elm (southern)
Qp Oregon Ash
Qo Oregon Ash
Qw White Ash
Qg Straghorns Hickory
PINE
Pn Austrian Pine
Pm Red Pine
Pp 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
50 50 yrs 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, estimate SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees exist 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 metres.
sl SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
h 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 - MOSSES - bryoid with mosses > 50% of the bryoid cover.
bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
ar Exposed Land
rk Rock / Rubble
ss Snow / Ice

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

ap	AIRPORT	gl	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mz	RUBBLY MINE SPOILS
bf	BOG, FENFIELD	lb	LAKE BED	oc	OCEAN
br	BEDROCK	li	LANDING	ot	OTHER
bu	BURNED AREA	lo	POND or LAKE SEDIMENTS	sm	SNOW COVER
cl	CLIFF, GULLY	mi	MINE, QUARRY	ta	TAILINGS
es	EXPOSED SOILS	mn	MORAINE	ur	URBAN
gl	GLACIER				

rm RESERVOIR MARGIN
rw RAILWAY SURFACE
rd ROAD SURFACE
rl ROAD SURFACE
ta TALUS
tz TAILINGS
ur URBAN
RIVER / STREAM

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

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AT	ALPINE TYPE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	SILT	SILT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	URBAN	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species		
G	GRASS, HERB	NSR	NO SOIL AVAILABLE	NC	NON-COMMERCIAL
GR	GRAVEL PIT	OPN	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
KOF	KOFFELD	P	HAYFIELD	NP	NON PRODUCTIVE
MUD	MUD FLAT	R	ROCK	NPSTK	NON PRODUCTIVE RESTOCKED
MUS	MUSKEG	S	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.

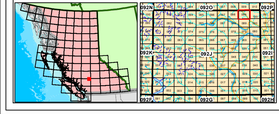
A	Animal Damage	L	Logging
B	Wildfire	M	Mine Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

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
SILVICULTURE TREATING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



Overflow Labels