092N087

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 contained in this map is compiled from various sources. 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 >= Vegetation
- Permanent Sample Plot (2013)
- Research Installations

TRIM. Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airfl ields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeat/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

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 (< 1:600,000 ha - 15 % hatch)
- Municipal boundary (> 1:600,000 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:

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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 herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex. Logged in 1978
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Line 1 - History Record Opening Number

xxxx - opening number valid for BCGS mapsheet zzzz - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

10000 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 YEW
Yc Yellow Cedar
F DOUGLAS FIR
Fd Douglas Fir
Fdc Coastal Douglas Fir
Fdi Interior Douglas Fir
B FIR (Balsam)
Bg Grand Fir
Bl Subalpine Fir (alpine)
H HEMLOCK
Hw Western Hemlock
Hm Mountain Hemlock
Hx Western Hemlock / Western Hemlock hybrid
J JUNIPER
Jr Rocky Mtn. Juniper
Js Scopulorum Juniper
L LARCH
La Alpine Larch
Lw Western Larch
Lt Tamarack
P PINE
Pa White Pine
Pl Lodgepole Pine
Pli Lodgepole Pine (Interior)
Plc Lodgepole x Jack Pine hybrid
Py Ponderosa Pine (yellow)
Pw Western White Pine
Pxj Western White Pine
Px Whitebark Pine
S SPRUCE
Sb Black Spruce
Se Engelmann Spruce
Sx Sitka Spruce
Sw White Spruce
Sxe Spruce hybrid
Sxw Engelmann x White
Sxl Sitka x White
Sxs Sitka x unknown hybrid
T YEW
Tw Western Yew

NATIVE HARDWOODS
D ALDER
Dr Red Alder
U APPLE
Uf Pacific Crab Apple
A ASPEN, COTTONWOOD or POPLAR
At Poplar
Act Black Cottonwood
Ati hybrid Poplars
Ax Trembling Aspen
E ARBUTUS
Ra Arbutus
G BIRCH
Ea Alaska Paper Birch
Eay Alaska x Paper Birch hybrid
Ep Paper Birch
Ew Water Birch
K CASCARA
C CHERRY
V CHERRY
Vb Bitter Cherry
Vc Choke Cherry
Vm Pin Cherry
O DOGWOOD
Og Pacific Dogwood (western flowering)
M MAPLE
Mb Bigleaf Maple (broadleaf)
Vn Vine Maple
Q OAK
Qg Garry Oak
W WILLOW
Wb Bebb's Willow
Wp Pacific Willow
Wr Peachleaf Willow (Bambo's)
Ww Pussy Willow (grey-leaved)
Wy Scouler's Willow
Ws Sitka Willow (rise-leaved)

UNKNOWN - OTHER
X unknown conifer
Xc unknown hardwood
Xh unknown hardwood
Xl OTHER (tree not on list)
Zz other conifer
Zh other hardwood

EXOTICS
Ua Apple
Af ASPEN, COTTONWOOD or POPLAR
Ab BIRCH
Be European Birch
Bmy Mayday (Prunus)
Ey Yellow Birch
CHERRY
Cmy Mayday Cherry
CYPRESS
Yp "Pod Orford Cedar
Yn Nootka Cypress
Fb "Rocky Fir
LARCH
Lk Siberian Larch
Ld "Siberian Larch
MAPLE
Mp Norway Maple
Mr "Norway Maple
Ms "Sycamore Maple
OAK
Qr "English Oak
Qw "White Oak
OTHER EXOTICS
Ob "Incense Cedar
Oc Cherry species
Oh "Coast Redwood
Ok European Mountain Ash
Ol Common Hackberry
Op Common Pear
Og Oregon Ash
Os Sweet Chestnut
Ot "Kingdonia Hickory
Oj Tree of Heaven
Ow "American Walnut
PINE
Pm "Monterey Pine
Pn "Austrian Pine
Pp "Dugal Pine
SPRUCE
Sn Norway Spruce

Line 4

4a. AGE CLASS

CODE	LIMITS (years)
T	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 +

4d SITE INDEX
Site Index is the height 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.

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
T	6 - 15
1	16 - 25
2	26 - 35
3	36 - 45
4	46 - 55
5	56 - 65
6	66 - 75
7	76 - 85
8	86 - 95
9	96 - 100

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees exend present, e.g. young stands (<30yrs). It is denoted by a decimal 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
- sh SHRUB TALL - shrub with average shrub height > or = to two metres.
- st 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 - GRAMINOID - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- b BRYOID - 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	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
b	BEACH	i	ICE	mz	MUNICIPAL SOLID WASTE SITE
br	BLOCKFIELD	la	LAVA BED	o	OCEAN
br	BEDROCK	li	LANDING	ot	OTHER
cr	CREVASSE/CREVICE	lk	LAKE SEDIMENTS	pc	PERMANENT SNOW AND ICE
cu	CUTBANK	ls	OPEN PIT MINE	r	RESERVOIR
es	EXPOSED SOILS	mr	MORAINE	v	RIVER / STREAM
gl	GLACIER				

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

rm	RESERVOIR MARGIN
rp	ROCK OUTCROP
rs	RIVER SEDIMENTS
rz	ROAD SURFACE
s	SAND
tl	TAILINGS
ur	URBAN

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

AL	ALPINE	NPL	NON PRODUCTIVE
AT	ALTERNATIVE (Species	NPBS	NON PRODUCTIVE BRUSH
CL	CULTIVATED	NPD	NON PRODUCTIVE DECID
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species
GL	GRAVEL BAR	NTA	NOT TYPING AVAILABLE
GL	GRASS/HERB	OR	OPEN RANGE
HZ	HAYFIELD	R	ROCK
M	MEADOW	S	SWAMP
NAP	NON ADMIN		

SAND	SAND		
SOIL	SOIL / FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBS	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NSR	NOT SUFFICIENTLY RESTOCKED		
NTA	NOT TYPING 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.

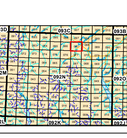
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases Needle	P	Cone and Seedling Fungal Pathogens
R	Site Rehabilitation
T	Treatment Injuries
U	Damage Unknown
V	Problem Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of thinned 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



Overflow Labels

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