093A050

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093A050

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 portrayed may not be complete and up to date Cadastral, 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 in Vegetation
- Permanent Sample Plot (GYG)
- Research Installations

TRIM. Base Features:
- 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
- Hydro/Air/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RV. 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:

Sil. Silv. Fd/Hw 3m 3/1 Nat Dist

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 (Dougla 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

Line 1 - History Record Opening Number

OP - opening number valid for BCGS mapsheet DOR - 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
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	Tamarack
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plc-Pw	Lodgepole Pine x Pw hybrid
Pli	Ponderosa Pine (yellow)
Plo	Shore Pine (coast)
Pp	Ponderosa Pine
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Interior Spruce
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Ue	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Ae	Black Cottonwood
At	Aspen Hybrid
Aw	Trembling Aspen
R	ARBUTUS
Rm	Pacific Madrone
E	BIRCH
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vm	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mn	Vine Maple
O	OAK
Gb	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wpg	Pacific Willow (Barclay's)
Ww	Pussy Willow (gray leaved)
Ws	Scouler's Willow
Wr	Sitka Willow (tree-leaved)

UNKNOWN - OTHER

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

EXOTICS

Ua	APPLE
	ASPEN, COTTONWOOD or POPLAR
Ad	Northern Cottonwood
	BIRCH
Ea	European Birch
Ez	Silver Birch (warmp)
Ey	Yellow Birch
	CHERRY
Vs	Sweet Cherry
	CYPRESS
Yp	Nootka (Alaska) Cedar
	FIR (Balsam)
Ba	*Balsam Fir
Bp	*Nikko Fir
Bm	*Shasta Red Fir
Bc	*White Fir
	LARCH
Ld	*Dahurian Larch
Ls	*Siberian Larch
Lk	*Japanese Larch
Mx	Box Elder
Mr	*Norway Maple
Mk	*Sycamore Maple
	OAK
Qe	*English Oak
Qw	*White Oak
	OTHER EXOTICS
Oa	*Horse Chestnut
Ob	*Giant Sequoia
Ov	*Coast Redwood
Or	European Mountain Ash
Os	Siberian Elm (southern)
Ow	*Golden Willow
Og	Oregon Ash
Oh	*White Ash
Ot	*Shagbark Hickory
Oj	Tree-of-Heaven
Ok	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pn	*Austrian Pine
Ps	*Scots 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

SI is the tree height in 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.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees arenot 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
- s SHRUB TALL - shrub with average shrub height > or = to two metres.
- h SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERBS
- hg 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 gaminoids > 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
- rs Rock / Rubble and Talus
- re Rock / Rubble
- si Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

be	BEACH	lk	LAKE	mp	MUDFLAT SEDIMENT
bl	BLOCKFIELD	lb	LAVA BED	mu	RUBBLY MINE SPOILS
br	BRUSH	o	OCEAN	n	OCEAN
bu	BURNED AREA	s	POND or LAKE SEDIMENTS	qs	SNOW COVER
cb	CUTBANK	ms	OPEN PIT MINE	r	RESERVOIR
es	EXPOSED SOILS	mm	MORAINE	w	RIVER / STREAM
gl	GLACIER				

Note: Water categories (a, oc, re, r) not labelled over 50 percent coverage.

mr	RESERVOIR MARGIN
rm	RAILWAY SURFACE
rs	RIVER SEDIMENTS
rd	ROAD SURFACE
ta	TALUS
ti	TAILINGS
ur	URBAN

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
B	NON-FOREST: Species	NPBR	NON PRODUCTIVE BRUSH	TFLT	TIDAL FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	URBAN	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 COMMERCIAL BRUSH
L	LAKE	R	ROCK BLUFF	NF	NON FOREST
M	MEADOW	S	SWAMP	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT			NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

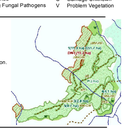
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

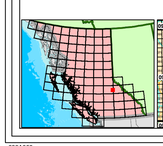
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases Insects	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation

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

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