093H056

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093H056

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 display of forest cover, forest inventory boundaries, Lands, and Natural Resource Operations. The information captured 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
- Sructure Opening in Vegetation
- Permanent Sample Plot (CVS)
- Research Installations

TRIM, Base Features :
- Au Bulk 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/fire-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 (< 1,000,000 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:

CUT 001 P 2004 FDI 2 41-60 D 059

LINE DESCRIPTION
1 Silviculture symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
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 Opeing Number

CUT - opening number valid for BCGS mapsheet nnnn - 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 labelled 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
Hx	Hybrid (Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Pj	Jack Pine
Pli	Shore Pine (coast)
Pw	Western White Pine
Pxj	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxe	Engelmann x White
Sxl	Spruce hybrid
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Ac	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplar
Ae	Trembling Aspen
E	ARBUTUS
Ep	Arbutus
Z	BIRCH
Ea	Alaska Paper Birch
Exp	Alaska x Paper Birch hybrid
Ey	Alaska Yellow (variety)
Ew	Water Birch
K	CASCARA
G	CHESTNUT
Y	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
D	DOGWOOD
Dp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wa	Pacific Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bantley's)
Wr	Red Willow (Drummond's)
Ws	Scouler's Willow
Wt	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

U	APPLE
Ua	Apple
A	ASPEN, COTTONWOOD or POPLAR
Ad	Southern Cottonwood
E	ELM
Ea	European Birch
Ek	Silver Birch (swamp)
Ep	European Birch
Y	CHERRY
Yv	Sweet Cherry
C	CYPRESS
Yp	Pond Orford Cedar
F	DOUGLAS FIR
Fb	Bigcone Fir
Fg	Noble Fir
Fm	Menzies Fir
Fp	White Fir
L	LARCH
Ld	European Larch
Lj	Japanese Larch
M	MAPLE
Mn	Norway Maple
Mr	Red Maple
Ms	Sycamore Maple
Q	OAK
Qe	English Oak
Qw	White Oak
OTHER EXOTICS	
Oc	Incense Cedar
Ol	Monterey Cedar
Ot	Coast Redwood
Ox	European Mountain Ash
Oxj	Japanese Mountain Ash
Oy	Common Pear
P	PINE
Pm	Monterey Pine
Pr	Red 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	64.5 +

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. SI cannot be determined if age and height, estimated SI is shown after a) or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aren/et present, e.g. Recently disturbed stands. SI is shown after e) or replaces the SI. provides 3. 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
- sl 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 graminoids.
- hf HERB - FORBS - herb with > 50% of the herb cover.
- hg HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON TREED BRYOID
- bs BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, hornworts, and hornwort/ > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- sl Exposed Land
- sl Rock / Rubble
- ss Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ai	AIRPORT	gr	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mz	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lb	LAVA BED	oc	OCEAN
bu	BUILDING	pd	POND	sn	SNOW COVER
bs	BURNED AREA	s	POND or LAKE SEDIMENTS	re	RESERVOIR
cb	CUTBANK	mi	OPEN PIT MINE	sw	SEWAGE LAGOON
ds	DISTURBED SOILS	ro	ROADWAY	ur	URBAN
gl	GLACIER				

Note: Water categories (la, ld, re, rm) labelled over 50 percent coverage.

rm	RESERVOIR MARGIN				
ra	RAILWAY SURFACE				
rv	RIVER SEDIMENTS				
rd	ROADSURFACE				
ta	TALUS				
tl	TAILINGS				
ur	URBAN				

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
BE	BEACH	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	OB	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
L	LAKE/POND	R	ROCK	NPRE	NON PRODUCTIVE RESTOCKED
MUD	MUDFLAT	S	SWAMP	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.

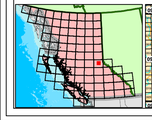
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Disease	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

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
- OPENING / PLANTING ACTIVITY
- ACTIVITY TREATMENT UNIT
- STANDARD UNIT
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH



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Overflow Labels