093B072

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093B072

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
- Sructure Opening or Vegetation
- Permanent Sample Plot (VRI)
- Research Installations

TRIM Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf'orces
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofea-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 Non-forest 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 Vegetation Cover Code - separator `/` Non-Forest 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

xxxx - opening number valid for BCGS mapsheet cccx - 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

Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Fdc	Hybrid Douglas Fir
Bg	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hmm	Mountain x Western Hemlock hybrid
Hmm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mt. Juniper
Js	Swaysle Juniper
L	LARCH
Lw	Western larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgel Pine
Plc	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Pxj	Lodgepole x Jack Pine hybrid
Pf	Limber Pine (white)
Pfa	Rocky Pine (foxtail)
Pw	Western White Pine
Pyb	Ponderosa Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	Sitka Spruce
Sw	White Spruce
Sxe	Spruce Hybrid
Sxw	Englemann x White
Sxl	Sitka x White
Sxw	Sitka x Unknown hybrid
Yew	Yew
Tw	Western Yew

NATIVE HARDWOODS

D	DECIDUOUS
Dr	Red Alder
Ep	Paper Birch
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
Ad	Trembling Aspen
E	ARBUTUS
R	BIRCH
Ea	Alaska Paper Birch
Ea	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
C	CASCARA
Ca	Cascara
V	CHERRY
Vf	Fire Cherry
Vi	Choke Cherry
Vp	Pin Cherry
Vs	Sweet Cherry
Gp	Pacific Dogwood (western flowering
M	MAPLE
Mb	Broadleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bentley's)
Ww	Prouty Willow (gray-leaved)
Wr	Scouler's Willow
Ws	Sitka Willow (tree-leaved)

UNKNOWN - OTHER

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

EXOTICS

A	ASPEN
Ac	ASPEN, COTTONWOOD or POPLAR
Act	Northern Cottonwood
B	BIRCH
Ea	European Birch
Ep	Paper Birch (mainly)
Ey	Yellow Birch
C	CHERRY
Yu	Ussurian Cherry
Y	CYPRESS
Yo	"Port Orford Cedar
F	FIR (Balsam)
Bb	"Balsam Fir
Bc	"Corkbark Fir
Bn	"Grecia Red Fir
Bv	"White Fir
L	LARCH
Lyl	"Subalpine Larch
Ls	"Siberian Larch
M	MAPLE
Mr	Box Elder
Mr	"Norway Maple
Mp	"Sycamore Maple
O	OAK
Qe	"English Oak
Qr	"Red Oak
O	OTHER EXOTICS
Oc	"Incense Cedar
Ol	"Golden Larch
Oo	"Grand Redwood
Oe	European Mountain Ash
Oa	"Japanese Mountain Ash
Oc	Common Pear
Og	Oregon Ash
Ot	"Tree of Heaven
Ot	"Kingdonia Hickory
Oj	Tree-of-Heaven
Oj	"Japanese Walnut
P	PINE
Pm	"Monterey Pine
Pn	"Scots Pine
Pp	"Lacebark Pine
S	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 - 0
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

Site Index is the nearest metric whitecrowned 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 known after an `e` replaces the SI.

4e: ESTIMATED SITE INDEX

If a calculated site index is not available, a symbol 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
- sh SHRUB
- sw SHRUB TALL
- st SHRUB LOW

- shrub with average shrub height > or = to two metres.
- shrub with average shrub height < two metres.

NON-TREED HERB
- hg HERB
- hf HERB - FORBS
- hg HERB - GRAMINOIDS

- herb with no distinction between forbs and graminoids.
- herb with forbs > 50% of the herb cover.
- herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- by BRYOID
- bm BRYOID - MOSS
- bl BRYOID - LICHENS

- bryoid with no distinction between mosses and lichens by cover.
- bryoid with mosses, liverworts, and hornworts > 50% of the bryoid cover.
- bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- rf Exposed Land
- rs Rock / Rubble
- w Snow / Ice

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

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
ar	ROCK	I	ICE	ms	MUNICIPAL SPOILS
sl	SLOUGHED	li	LAVA BED	o	OCEAN
br	BEDROCK	lt	LANDING	or	OTHER
cb	CUTBANK AREA	ms	MUNICIPAL SEDIMENTS	pc	PERMANENT SNOW
cb	CUTBANK	op	OPEN PIT MINE	r	RESERVOIR
es	EXPOSED SOILS	mm	MORAINE	r	RIVER / STREAM
gl	GLACIER				

Note: Water categories (lk, ld, rr, r) not labelled over 5% percent coverage.

rm	RESERVOIR MARGIN
rp	RIVER SEDIMENTS
rs	RIVER SEDIMENTS
rl	ROAD SURFACE
s	SAND
t	TAILINGS
ur	URBAN

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

AF	ALPINE FOREST	NPBR	NON PRODUCTIVE BRUSH	SAND	SAND
AT	ALPINE FOREST-Species	NPBU	NON PRODUCTIVE BURN	SALFLAT	SALFLAT
C	CULTIVATED	NPBG	NON PRODUCTIVE BURN	U	URBAN
G	GRASS	NPF	NON PRODUCTIVE FOREST-Species		
GL	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
M	MEADOW	R	ROCK / TALUS	NSR	NOT SUPPORTED
MU	MUDFLAT	S	SWAMP	NSRR	NOT SUPPORTED & RESTOCKED
MUD	MUD FLAT			NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

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

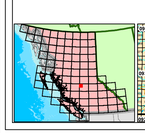
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Birds	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Forest Injuries	U	Unknown Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

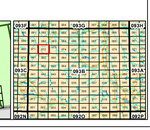
Example Opening History Details

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" to turn on display values for:

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





Overflow Labels

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