093E030

093E030

Vegetation Map
093E030

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 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
- Exclusion, Opening or Vegetation
- Permanent Sample Plot (2015)
- Research Installations

TRIM, Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf Ferries
- Other Area
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolin-Barriers - ESRI
- Watercourses - ESRI
- Waterbodies - ESRI
- Wetlands - ESRI
- Ocean - ESRI

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 Licence - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary at 1:250,000 (Yes = 75 % hatch)
- Municipal boundary at 1:250,000 (No = 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 Structure 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 Class, Site Index, Height, Crown Closure, Stocking Class (volume) recorded for
ex. stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-10%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex. Low Shrub, Herbs, Grasses, Forbs, Mosses, Lichens and graminoids, shrubs less than 2m.
6 Disturbance History & year - ex. logged in 1978

Line 1 - History Record Opening Number

CUT - opening number valid for BCGS mapsheet
ZUZA - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

Vegetation polygon numbers are from one to nine digits.
Multi-layer 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 4.0 dated January 2009.

NATIVE CONIFERS

Cw	Western Red Cedar
Y	CYPRESS
Ac	Alaska Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Bg	Grand Fir
Bl	Subalpine Fir
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwm	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
Pl	Limber Pine
Plc	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Pj	Jack Pine (Banksian)
Pla	Slave Pine (Lodgepole)
Pw	Western White Pine
Pxj	Jack x White Pine
Z	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxe	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Ss	Spruce
Yc	Western Yew

NATIVE HARDWOODS

A	ASPEN
At	Aspen
V	APPLE
Vp	Pacific Crab-Apple
Ax	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
Acb	Black Cottonwood
Ah	hybrid Poplars
Ae	Trembling Aspen
Ep	WILLOW
Ew	Willow
Pa	Paper Birch
Pap	Paper Birch Alaska
Pw	Paper Birch White
Pp	Paper Birch (white)
Pr	Red Alder
K	CASCARA
Kc	Cascara
Kh	Hybrid
W	Bitter Cherry
Vi	Choke Cherry
Vu	Pin Cherry
D	DOGWOOD
Dp	Pacific Dogwood (western flowering)
E	ELM
M	Bigleaf Maple (broadleaf)
Mv	Vine Maple
G	Oak
Go	Garry Oak
R	MOUNTAIN ASH
Rb	Bebb's Willow
Rc	Black Cottonwood
Rh	Hairy Willow (Barclay's)
Rp	Pussy Willow (gray-leaved)
Rs	Sitka Mountain Ash
Rw	Willow (low-leaved)

UNKNOWN - OTHER

H	unknown hardwood
Hl	unknown conifer
Hx	unknown hardwood
Hxh	unknown (broad or tall)
X	other conifer
Xh	other hardwood

EXOTICS

Ue	APPLE
Ax	ASPEN, COTTONWOOD or POPLAR
Ae	Siberian Cottonwood
BRUCE	
Fe	European Birch
Fg	Gray (White) Birch
Fp	Yellow Birch
CHERRY	
Ye	Mazzard Cherry
CYPRESS	
Yo	Pond (Monti) Cypress
Ye	Italian Cypress
Ym	Monterey Pine
Yp	Shasta Fir
Ys	Sitka Spruce
LARCH	
Le	Siberian Larch
Lk	European Larch
MAPLE	
Me	Box Elder
Mn	Norway Maple
Ms	Sycamore Maple
OAK	
Oe	English Oak
Or	Red Oak
OTHER CONIFERS	
Ox	Incense Cedar
Ou	Deodar Cedar
Op	Coast Redwood
Ow	European Mountain Ash
Oj	Japanese Red Cedar
Pp	Common Pear
Og	Giegon Ash
Ot	Tree of Heaven
Ol	Wingthorn Hickory
Ot	Tree of Heaven
Ut	Japanese Elm
PINE	
Pm	Austrian Pine
Pn	Red Pine
Pr	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 - 29.4
4	29.5 - 37.4
5	37.5 - 44.4
6	44.5 - 55.4
7	55.5 - 65.4
8	65.5 +

4c. CROWN CLOSURE CLASS

CODE	LIMITS (percentage)
0	0 - 5
1	6 - 10
2	11 - 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 based on 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 nearby sites, estimated SI numbers offer an approximation.

4e. ESTIMATED SITE INDEX

Estimated site index is based on the site index permit present, e.g. early seral stands. If a standard is not present 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
- sb - SHRUB - shrub with average shrub height > or = to two metres.
- s - 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 - BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm - BRYOID - MOSS - bryoid with mosses > 50% of the bryoid cover.
- bl - BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ae	AERIAL	mi	MUDFLAT SEDIMENT
as	ASH/CAP	mk	RUBBLE MINE SPOILS
bl	BLOCKFIELD	oc	OCEAN
ic	ICEFIELD	rs	RIVER
lak	BURNED AREA	sn	SNOW COVER
cb	CUTBANK	w	RESERVOIR
ds	DEBRIS SOILS	wm	WATER - SWAMP
sd	GLACIER		

rm	RESERVOIR MARGIN
rr	RAILWAY SURFACE
rs	RIVER SEGMENTS
ro	ROAD SURFACE
t	TALUS
tl	TAILINGS
u	URBAN

Note: Water categories (ic, oc, rs, rv) not selected over 50 percent of average.

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

A	ALPINE	NPBU	NON-PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN
CL	CLEARING	NPBU	NON-PRODUCTIVE CUT (Species
G	GRASS, BAR	NT	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
L	LAKE	R	ROCK
M	MEADOW	S	SLOCH
MUD	MUDFLAT		SWAMP

SAND	SAND
TIDE	TIDAL FLAT
U	URBAN
NC	NON-COMMERCIAL
NCBR	NON-COMMERCIAL BRUSH
NSR	NOT SATISFACTORY
NVB	NOT SUFFICIENTLY STOCKED
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
B	Wildfire	M	Mine Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seeding 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 (Provincial Data Warehouse). 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
SILVICULTURE
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH

Overflow Labels