093K003

Vegetation Map
093K003

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRMIS / 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 facilitate the display of vegetation resource features, ecosystems, and Natural Resource Values. 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 or Vegetation
- Permanent Sample Plot (CFS)
- Research Installations

TRIM, Base Features :
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- 4x4Tenes
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeatures - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RU - 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 No. / Multi-layer (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 5 (6-15%), SI 20m
5 Non-Forest Descriptor Code (if applicable) - separator: /
ex: a Fenfo polygon with no distinction between forbs and graminoids, shrubs less than 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

xxxx - opening number valid for BCGS mapsheet 0299 - 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 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
F	FIR (Balsam)
Bl	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpina)
H	HEMLOCK
Hw	Mountain Hemlock
Hm	Western Hemlock
Hmm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
La	Subalpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole x Jack Pine (hybrid)
Ply	Lodgepole x Ponderosa Pine hybrid
Py	Ponderosa Pine (yellow)
Pa	Whitebark Pine
Pw	Western White Pine
Pf	Limber Pine
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	White Spruce
Sxs	Sprucle hybrid
Sxw	Spruce hybrid White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Ss	Sitka Spruce
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dsi	Sitka Alder
E	ASPEN
Ep	Pacific Cots Apple
At	ASPEN, COTTONWOOD or POPLAR
Ae	Aspen
Abb	Balsam Poplar
Ac	Black Cottonwood
Act	Hybrid Poplars
At	Trembling Aspen
R	ARBUTUS
Rm	Arbutus
B	BIRCH
Ba	Alaska Paper Birch
Bpa	Alaska x Paper Birch hybrid
Bp	Paper Birch (white)
Bw	Water Birch
Bb	Birch (Bog)
Ce	Cascara
V	CHERRY
Vf	Fire Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vm	Mountain
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bonsby's)
Ww	Pussy Willow (grey leaved)
Wr	Red Willow (Red)
Wsp	Sitka Willow (tree leaved)

UNKNOWN - OTHER

X	unknown conifer
Xc	unknown conifer
Xh	unknown hardwood
Xl	other conifer (not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ue	APPLE
	Apple
Ut	ASPEN, COTTONWOOD or POPLAR
Act	*Southern Cottonwood
Ep	*Hybrid Birch
Ep	Swed Cherry
Ep	CYPRESS
Yp	*Nootka Cedar
Bp	FIR (Balsam)
Bp	*Balsam Fir
Bpl	*Grand Fir
Bm	*Grand Red Fir
Bc	*White Fir
Lp	LARCH
Lpl	*Dahurian Larch
Ll	*Siberian Larch
Ma	PINE
Ma	Box Elder
Mr	*Norway Maple
Mb	*Sycamore Maple
Qw	OAK
Qa	*English Oak
Qm	*Mongolian Oak
Ox	OTHER EXOTICS
Ok	*Incense Cedar
Ob	*Monterey Cedar
Cs	*Coast Redwood
Ok	Eurobean Mountain Ash
Ob	*Monterey Cypress
Cp	Common Pear
Og	Oregon Ash
Ow	*Oregon Ash
Cr	*Shagbark Hickory
Oj	*Japanese Larch
Ok	Japanese Walnut
Pn	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Ps	*Scots Pine
Sn	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)
1	0 - 5
2	6 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
0	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 in the stand (combination of age and height, estimated SI is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aren(t present, e.g. young stands (<30yrs). It is denoted by a dash which always precedes the estimated SI (example -20). There are inventory Type Group and SI Estimated source codes.

Line 5 - Vegetation records

VEGETATED NON TREE CATEGORIES (for V and I record's)

NON-TREED SHRUB
- st SHRUB TALL - shrub with average shrub height > or = to two metres.
- sm SHRUB MEDIUM - 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 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, liverworts, and hornwort's > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- at Exposed Land
- w Water Body
- si Snow / Ice

NON VEGETATED (for V and I record's)

be	BEACH	lk	LAKE	mg	MUDFLAT SEDIMENT
bl	BLOCKFIELD	lb	LAVA BED	mz	RUBBLY MINE SPOILS
bo	BOULDERS	ri	RIVER	oc	OCEAN
bu	BURNED AREA	s	POND or LAKE SEDIMENTS	pi	SNOW COVER
cb	CUTBANK	rn	OPEN NT MINE	r	RESERVOIR
dl	DELTA DEPOSITS	rm	MORAINE	sw	SWAMP
gl	GLACIER				

mm RESERVOIR MARGIN
rm RAILWAY SURFACE
re RIVER SEDIMENTS
ro ROAD SURFACE
te TALUS
tl TAILINGS
un UNKNOWN

Note: Water categories by (a), w, rr, ri not labelled over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I record's)

A	ALPINE	NP	NON-PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON-PRODUCTIVE BRUSH
CL	CLEARING	NPF	NON-PRODUCTIVE FOREST (Species
CL	CLAY BANK	NPT	NON-PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
ICE	ICEFIELD	OB	OPEN BROWSE
ICE	ICEFIELD	P	HAYFIELD
MU	MUD FLAT	R	ROCK
MUD	MUD FLAT	S	SWAMP

SAND SAND
TIDE TIDAL FLAT
URBAN URBAN

U	NON-COMMERCIAL
NCBR	NON-COMMERCIAL BRUSH
NP	NON-PRODUCTIVE
NPBR	NON-PRODUCTIVE BRUSH/FORESTED/STOCKED
NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code prexoded 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
D	Disease	M	Mite Damage
C	Cone and Seed Insects	N	Non-Forest Damage Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		

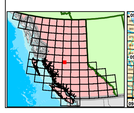
R	Site Rehabilitation
T	Treatment Injuries
U	Unknown Damage
V	Problem Vegetation

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: http://www.for.gov.bc.ca/hts/ has more silviculture 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



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