092O028

Vegetation Map
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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 displayed has been compiled to various standards and to date Cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only. (Layers versions June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Structure Opening in Vegetation
- Permanent Sample Plot (CFS)
- Research Installations

TRIM, Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Non-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 - 1% % 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 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. Inventory Type Group - separator: Estimated site index designation
ex: a fresh 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 *zzzz* - 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

Cw	WESTERN RED CEDAR
Y	CYPRESS
Yc	Cypress Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Ba	BALSAM
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
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
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal) hybrid
Py	Ponderosa Pine (yellow)
Pw	Shore Pine (coast)
Pwi	Western White Pine
Pw	Whitebark Pine
S	SPRUCE
Sa	Alpine Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sx	Spruce Hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Ss	Sitka
Te	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dl	Sitka Alder
Ac	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Ad	Black Cottonwood
Ae	Trembling Aspen
At	Trembling Aspen
R	ARBUTUS
Rm	Arbutus
E	BIRCH
Ew	Alaska Paper Birch
Ewp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
K	CASCARA
Kc	Cascara
G	GARRY OAK
Vc	Choke Cherry
V	CHERRY
Vc	Choke Cherry
Vm	Pin Cherry
Vp	Bitter Cherry
Vs	Pacific Dogwood (western flowering)
W	WILLOW
Wb	Black Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bandaly's)
Wr	Rusty Willow (gray-leaved)
Ws	Scouler's Willow
Ww	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
Uma	ASPEN, COTTONWOOD or POPLAR
Ad	Southern Cottonwood
Bl	BIRCH Swedish Birch
Ey	Silver Birch (swamp)
Ey	Yellow Birch
C	CHERRY
Cs	Sweet Cherry
Y	CYPRESS
Yc	Cypress Cedar
F	FIR (Western)
Fb	Balsam Fir
Fg	Grand Fir
Fr	Silvertip Red Fir
Fw	White Fir
L	LARCH
Ld	Dahurian Larch
Ls	Siberian Larch
Lt	Tamarack
Mv	Box Elder
Mn	Norway Maple
Mp	Sycamore Maple
Ow	Coast Redwood
Oa	Green/White Ash
Ow	American Ash
Ob	Common Pear
Og	Oregon Ash
Op	White Ash
Ow	Black Walnut, Hickory
Ot	Tree of Heaven
Ok	Japanese Walnut
Pa	Apple
Pn	Norway Pine
Pr	Red Pine
Pw	Scots Pine
S	SPRUCE
Sn	Norway Spruce

OTHER EXOTICS

Ch	Horse Chestnut
Ck	Giant Sequoia
Cr	Coast Redwood
Oa	Green/White Ash
Ob	American Ash
Ob	Common Pear
Og	Oregon Ash
Op	White Ash
Ow	Black Walnut, Hickory
Ot	Tree of Heaven
Ok	Japanese Walnut
Pa	Apple
Pn	Norway Pine
Pr	Red Pine
Pw	Scots 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 - 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. Site curves are based on Coastal or Interior leading species. Where 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, deciduous, etc. The estimated SI is based on species presented in 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 - 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 - FORB - herb with forbs > 50% of the herb cover.
- hg HERB - GRAMINOID - herb with graminoids > 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 > lichens and makes > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > mosses and makes > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ar	AIRPORT	g	GRAVEL PIT
be	BEACH	la	LAKE
bl	BOULDER	ls	LAKELAND
br	BRIDGE	lk	LAKESHORE
bu	BURNED AREA	lp	POND or LAKE SEDIMENTS
cl	CUTBANK	mi	OPEN PIT MINE
er	EXPOSED ROCK	mt	MOORAND
ice	ICE		
mu	MUD FLAT		
ra	RAILWAY		
rd	ROAD		
ro	ROCK OUTCROP		
rs	ROCK / STONES		
sa	SALT FLAT		
sd	SAND		
sl	SALINE		
sn	SNOW COVER		
re	RESERVOIR		
sw	SWAMP		
mc	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
mr	RUBBLY MINE SPOILS	rr	RAILWAY SURFACE
ot	OTHER	rs	ROAD SURFACE
ot	OTHER	rs	ROAD SURFACE
sn	SNOW COVER	ta	TALUS
re	RESERVOIR	tl	TAILINGS
sw	SWAMP	ur	URBAN
rock / stones			

Note: Water categories (la, ls, re, rl) not labelled over 50 percent coverage.

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

ALPINE	NP	NON PRODUCTIVE	SAND SAND
AF ALPINE FOREST (Species	NPBB	NON PRODUCTIVE BRUSH	TIDE TIDAL FLAT
CULTIVATED	NPBU	NON PRODUCTIVE BURN	U URBAN
FOREST	NPF	NON PRODUCTIVE FOREST (Species	
GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC NON COMMERCIAL
GRAVEL PIT	OK	OPEN RANGE	NCBR NON COMERCIAL BRUSH
MEADOW	R	ROCK	NSR NOT SATISFACTORILY RESTOCKED
MEADOW	S	ROCK	NSR NOT SATISFACTORILY RESTOCKED
MUD MUD FLAT	S	SWAMP	NTA NO TYPING AVAILABLE

Line 6 - Disturbance History

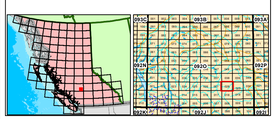
Disturbance type code preceeded by symbol, followed by earliest date.
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

A	Animal Damage	L	Logging
B	Wildfire	U	Mist Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation
T	Treatment Injuries
U	Unknown Injuries
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 Layers" to turn on display values for :
- OPENING
- OPENING LABELS
- OPENING / PLANTING ACTIVITY
- ACTIVITY TREATMENT UNIT
- STANDARDS UNIT
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH



092O037 092O038 092O039
092O027 092O028 092O029
092O017 092O018 092O019

48-9 48-6 48-5 33-17 109 101

Caribou-Chilcotin Natural Resource District
Cascades Natural Resource District
LILLOOET DISTRICT

Overflow Labels

092O028