092O002

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 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 in Vegetation
- Permanent Sample Plot (CVTS)
- Research Installations

TRIM_Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/arrtes
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Ice/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RAV 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
- Interesting Areas

Other:
- BCGS Mapsheet Grid (1:20,000)

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

```
092  E31  Fdfir  2P 20  Sx3  0478
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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 (Dougls Fir) and Hw (Western Hemlock).
4 Age, Height, Site and Closure Class Code - separator - Site Index / estimated SI
ex: 2P 20 = 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 Opening Number

092 - opening number valid for BCGS mapsheet
0099 - 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
Ce CEDAR
Cw Western Red Cedar
Y CYPRESS
Yc Yellow Cedar
F DOUGLAS FIR
Fd Douglas Fir
Fdc Coastal Douglas Fir
Fdi Interior Douglas Fir
H HEMLOCK
Ba Amabilis Fir
Bg Grand Fir
Bl Subalpine Fir (alpine)
H HEMLOCK
Hm Mountain Hemlock
Hw Western Hemlock
Hxm Mountain x Western Hemlock hybrid
J JUNIPER
Jr Rocky Mtn. Juniper
Js Sawcik Juniper
L LARCH
La Alpine Larch
Lt Tamarack
Lw Western Larch
P PINE
Pa Albicaulis Pine
Pf Limber Pine
Pl Lodgepole Pine
Plc Lodgepole Pine (interior)
Pli Lodgepole x Jack Pine hybrid
Py Ponderosa Pine (yellow)
Pp Shore Pine (coast)
Pw Western White Pine
Px Whitebark Pine
S SPRUCE
Sb Black Spruce
Se Engelmann Spruce
Sit Sitka Spruce
Sw White Spruce
Sx Spruce hybrid
Sxw Hybrid White
Sxl Sitka x White
Sxs Sitka x unknown hybrid
T YEW
Tw Western Yew

NATIVE HARDWOODS
D ALDER
Dr Red Alder
Du Sitka
Up Pacific Crab Apple
A ASPEN, COTTONWOOD or POPLAR
At Aspen
Atb Balsam Poplar
Act Black Cottonwood
Ah Hybrid Poplars
Ac Trembling Aspen
B ARBUTUS
Bp Arbutus
E BIRCH
Ep Paper Birch
Epp Alaska x Paper Birch hybrid
Eg Paper Birch (white)
Ew Water Birch
Ey Yellow Birch
Kc CASCARA
V CHERRY
Vb Sitka Cherry
Vc Choke Cherry
Vp Pin Cherry
G DOGWOOD
Gp Pacific Dogwood (western flowering)
H HARDHACK
Mb Bigleaf Maple (broadleaf)
Mv Vine Maple
Q OAK
Qg Garry Oak
W WILLOW
Wp Pacific Willow
Wp Pacific Willow
Wa Peachleaf Willow (Barclay's)
Ww Pussy Willow (grey hazel)
Ws Scouler's Willow
Wr Sitka Willow (tea-leaved)

UNKNOWN - OTHER
X unknown
Xc unknown conifer
Xh unknown hardwood
Xl Other (does not on list)
Z Other
Zh other hardwood

EXOTICS
APPLE
Ua Apple
ASPEN, COTTONWOOD or POPLAR
Ad *Southern Cottonwood
BIRCH
Ea *European Birch
Ek Silver Birch (swamp)
Ey *Yellow Birch
CHERRY
Ys Sweet Cherry
Yu *Ussuri
Yp *Pond Orchard Cedar
FIR (Balsam)
Bb *Nikko Fir
Bp Noble Fir
Bm *Shasta Red Fir
Bc White Fir
LARCH
Ld *Dahurian Larch
Lk *Siberian Larch
MAPLE
Me *Amur Maple
Mk *Norway Maple
Ms *Sycamore Maple
OAK
Qg *English Oak
Qw *White Oak
OTHER EXOTICS
Ox *Incense Cedar
Oc *Giant Sequoia
Os *Coast Redwood
Oa European Mountain Ash
Ob Siberian Elm (southern)
Of Common Pear
Og Oregon Ash
Ot *White Ash
Ow *Japanese Walnut
Oj Tree-of-heaven
Ok Japanese Walnut
PINE
Pm *Monterey Pine
Pr *Red Pine
Py *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	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 as 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 age and height, estimated SI is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX
SI is estimated when suitable SI trees cannot present, e.g. young stands (<30yrs). SI 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
st SHRUB TALL - shrub with average shrub height > or = to two metres.
sl 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 BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
bm BRYOID - MOSS - bryoid with mosses, liverworts, and hornworts > 50% of the bryoid cover.
bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

bl	BLUFF	w	WATER, PIT	mu	MUDFLAT SEDIMENT
be	BEACH	w	LAKE	rsp	RUBBLY MINE SPOILS
bl	BLOCKFIELD	b	LAVA BED	oc	OCEAN
bo	BOULDERS	l	LANDING	pi	PIT FACE
cl	CLEARCUT AREA	s	POND or LAKE SEDIMENTS	sc	SNOW COVER
cs	CUTBANK	r	RIVER or STREAM	w	RESERVOIR
es	EXPOSED SOILS	mw	MORAINE		
gl	GLACIER				

mu	MUDFLAT SEDIMENT
rsp	RUBBLY MINE SPOILS
oc	OCEAN
pi	PIT FACE
sc	SNOW COVER
w	RESERVOIR
r	RIVER / STREAM

rr	RESERVOIR MARGIN
rs	RAILWAY SURFACE
rs	RIVER SEDIMENTS
rs	ROAD SURFACE
ta	TALUS
tl	TAILINGS
ur	URBAN

Note: Water categories (w, sc, rs, rr) not labelled over 90 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
C	CULTIVATED FOREST /Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDE FLAT
C	CULTIVATED	NPBS	NON PRODUCTIVE BURN	URBAN	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMERCIAL BRUSH
IC	ICE FIELD	R	ROCK / RUBBLE	NCF	NON COMMERCIAL
M	MEADOW	S	SCRUB	NSR	NOT SUPPLY RESTODKED
MUD	MUD FLAT	S	SWAMP	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

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

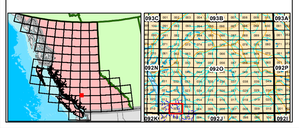
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

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 Map" to turn on display values for -

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



Overflow Labels

092O002