Vegetation Map
092H030

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
- Immature Opening in Vegetation
- Permanent Sample Plot (GYS)
- Research Installations

TRIM, Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroface-Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- BEC 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 multi-layer stand indicator (L)
3. Species Composition
   ex: stand is Fd dominant layer is described as Fd (Douglis Fir) and Hw (Western Hemlock).
4. Age, Height, Crown Closure Code - separated by /
   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. Vegetated Clendaly Class (or Non-Forest/Productive Description)
   ex: a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
6. Inventory/Interpretation Source - ex: ruggedness or ISM

Line 1 - History Record Opening Number

"OPEN" - opening number valid for BCGS mapsheet "0OPP" - 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 is separable description of each layer is available in the data base, i.e. 1,2)

Line 3 - BC Tree Code List

Species Composition: Species are labelled 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
B	FIR (Balsam)
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	Sawarok Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Pm	Mountain Hemlock (alpine)
Pw	Stone Pine (exotic)
Pw	Western White Pine
Px	Whitebark Pine x
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sit	Sitka Spruce
Sx	White Spruce
Sxl	Hybrid Spruce
Sxw	Engelmann x White
Sxs	Sitka x Spruce
Sxs	Sitka x unknown hybrid
T	HEMLOCK
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dm	Mountain Alder
Up	Pacific Crab Apple
A	BIRCH/COTTONWOOD or POPLAR
At	Trembling Aspen
Ab	Balsam Poplar
Abb	Black Cottonwood
Ac	Hybrid Poplars
Ai	Trembling Aspen
Ap	Paper Birch
Ba	Arbutus
E	BIRCH
Ep	Alaska x Paper Birch
Eap	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Er	Red Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
W	WILLOW
Wb	Bebb's Willow
Wbg	Bebb's x Grey
Wa	Peachleaf Willow (Bandy's)
Ww	Pussy Willow (grey-barred)
Wp	Pacific Willow
Wr	Sitka Willow (red-barred)

UNKNOWN - OTHER

X	unknown conifer
Xc	unknown conifer
Xh	unknown hardwood
Xl	unknown (broad-leaf or tall)
Z	other conifer
Zh	other hardwood

EXOTICS

AP	APPLE
Ax	Apple sp.
AC	ORNAMENTAL COTTONWOOD or POPLAR
Ad	"Southern Cottonwood
Ae	Eastern Black Cottonwood
Ag	Silver Birch (swamp)
Ap	Paper Birch
C	CHERRY
Cs	Sweet Cherry
Cw	Wild Cherry
Cp	Pond Colored Cotton
EP	Elm (Balsam)
Ep	Elm (Siberian)
Epp	Middle Fir
Bm	"Shasta Red Fir
Bn	Noble Fir
LW	LARCH
Ld	"Dahurian Larch
Ll	European Larch
MAPLE	
Mb	Box Elder
Mn	Norway Maple
Ms	"Sycamore Maple
OA	OAK
Oa	"English Oak
Or	Red Oak
OTHER EXOTICS	
Ow	"Incense Cedar
Ob	"Western Redcedar
Oc	Coast Redwood
Oe	European Mountain Ash
Oh	"Japanese Mountain Ash
Oj	Common Pear
Og	Oregon Ash
Op	Green Ash
Oz	"Kingdonia Hickory
Oj	Tree-of-heaven
Ot	"Japanese Walnut
PINE	
Pm	"Monterey Pine
Pn	Austrian Pine
Ps	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
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. SI is based on the age and height of the dominant and co-dominant trees. Where site index is based on age and height, estimated SI is shown after or replaces the SI.

4e ESTIMATED SITE INDEX
SI is estimated where suitable SI trees persist present; e.g. young stands (<30yrs). It is denoted by a slash which always precedes the SI. The estimated SI is derived from the 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.
- s SHRUB LOW - 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
- b BRYOID - 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)

aa	AIRPORT	gg	GRAVEL PIT	mu	MUDFLAT SEGMENT
ac	CULTIVATED	ic	ICE CAP	mv	MUSKEG / BOG / BOGLAND
bl	BLOCKFIELD	la	LAVA BED	oc	OCEAN
br	BEDROCK	lt	LANDING	oi	OTHER
cb	CLIFF / BANDS / ROCKS	ls	LITTORAL LAKE SEDIMENTS	ri	RIVER / STREAM COVER
cu	CUTBANK	mi	OPEN PIT MINE	rs	RESERVOIR
ea	EXPOSED SOILS	mn	MORAINE	ri	RIVER / STREAM
gb	GRAVEL BAR				

Note: Water categories (ic, la, rs, ri) not labelled over 80 percent coverage.

rm	RESERVOIR MARGIN
rn	RIVER / STREAM NARROWS
rs	RIVER SEGMENTS
rl	ROAD SURFACE
sa	SAND
ta	TALUS/SCREE
ur	URBAN

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

AF	ALPINE FOREST	NPBC	NON-PRODUCTIVE BRUSH
AF	ALPINE FOREST (Species	NPBG	NON-PRODUCTIVE BRUSH
C	CULTIVATED	NPBG	NON PRODUCTIVE BURN
CL	CLEARING	NPBS	NON-PRODUCTIVE BRUSH (Species
G	GRAVEL BAR	N/A	NOT FORPG AVAILABLE
I	ICEFIELD	OP	OPEN RANGE
ICE	ICEFIELD	R	ROCK
L	LAKE/POND	R	ROCK
M	MEADOW	S	Shrubs

SAND	SAND
TIDE	TIDAL FLAT
U	URBAN
NC	NON COMMERCIAL
NCBR	NON COMMERCIAL BRUSH
NP	NON PRODUCTIVE
NPR	NOT SUFFICIENTLY RESTOCKED
NTA	NOT FORPG 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.

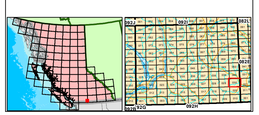
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Birds	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

Example Opening History Details

Detailed Silviculture information is available on the BCGW Silviculture Treatments Overlap. 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
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



Overflow Labels

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