104A054

Vegetation Map
104A054

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 (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
- Hydro/Air/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 - 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:

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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, 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 Vegetated Density Class (or Non-Forest/Productive Description)
    ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1978

OUI 2 Fd 3 Hw 3 41 4 80 5 20 6 L 78
OUI 2 Fd 3 Hw 3 41 4 80 5 20 6 L 78
OUI 2 Fd 3 Hw 3 41 4 80 5 20 6 L 78
OUI 2 Fd 3 Hw 3 41 4 80 5 20 6 L 78
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Line 1 - History Record Opening Number

OUI - opening number valid for BCGS mapsheet DOR - 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
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	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pf	Limber Pine
Pli	Lodgepole Pine
Pl	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Plc	Shore Pine (coast)
Pa	Whitebark Pine
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sit	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
W	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
R	ARBUTUS
Rm	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Eax	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CascaraS
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vv	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broadleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wa	Pacific Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bartda's)
Wr	Pussy Willow (gray-leaved)
Ws	Scouler's Willow
Wt	Sitka Willow (black-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

U	APPLE
Ux	Domestic Apple
Ad	ASPEN, COTTONWOOD or POPLAR
Ae	"Southern Cottonwood
Ea	BIRCH
Ey	European Birch
Ey	(Warty Weeping)
Ep	"Young Birch
Bb	CHERRY
Bp	"Balsam Fir
Bm	Noble Fir
Bc	"Shasta Red Fir
Bc	White Fir
Ld	"Dahurian Larch
Lk	"Siberian Larch
Mr	MAPLE
Mn	Red Alder
Mn	Norway Maple
Ms	"Sycamore Maple
Qe	OAK
Qe	"English Oak
Qn	"Pin Oak
Oe	OTHER EXOTICS
Of	"Incense Cedar
Og	"Giant Sequoia
Or	"Coast Redwood
Oa	"European Mountain Ash
Ow	"Siberian Elm (southern)
Ol	Common Pear
Oy	Oregon Ash
On	"White Ash
Op	"Shagbarck Hickory
Q	Tree-of-Heaven
Ow	"Japanese Walnut
Pm	PINE
Pm	"Monterey Pine
Pr	"Red Pine
Py	"Sugar 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)
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 for 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 aremnot present, e.g. young stands (<30yrs). It 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
- sa SHRUB TALL - shrub with average shrub height > or = to two metres.
- si 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 gaminoids > 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 bryod cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryod cover.

NON VEGETATED CATEGORIES (for V and I records)
- ap AIRPORT
- be BEACH
- bl BLOCKFIELD
- bo BOULDER
- bu BURNED AREA
- cb CUTBANK
- es EXPOSED SOILS
- gl GLACIER
- gp GRAVEL PIT
- lk LAKE
- ll LAND FILL
- li LANDING
- is POND or LAKE SEDIMENTS
- mi OPEN PIT MINE
- mo MORAINE
- mu MUDFLAT SEDIMENT
- mz MUNICIPAL/ MINE SPOILS
- oc OCEAN
- ot OTHER
- pn SNOW COVER
- re RESERVOIR
- ri RIVER / STREAM
- rm RESERVOIR MARGIN
- rp ROCK OUTCROP
- rs RIVER SEDIMENTS
- rz ROAD SURFACE
- ta TALUS
- tz TAILINGS
- ur URBAN

Note: Water categores (lk, oc, re, ri) not labeled over 90 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F records)
- A ALPINE
- Af ALPINE FOREST /Species
- C CULTIVATED
- Cl CLEARING
- G GRAVEL BAR
- GR GRAVEL PIT
- ICE ICEFIELD
- M MEADOW
- MUD MUDFLAT
- NP NON PRODUCTIVE
- NPBR NON PRODUCTIVE BRUSH
- NPBG NON PRODUCTIVE BURN
- NPF NON PRODUCTIVE FOREST /Species
- N/A NO TYPING AVAILABLE
- OR OPEN RANGE
- P HAYFIELD
- R ROCK
- S SWAMP
- SAND SAND
- TIDE TIDAL FLAT
- U URBAN
- NC NON COMMERCIAL
- NCBR NON COMMERCIAL BRUSH
- NP NON PRODUCTIVE
- NSR NOT SUFFICIENTLY RESTOCKED
- N/A 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.

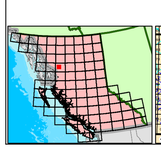
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seeding Fungal Pathogens	V	Problem Vegetation
I	Insects				

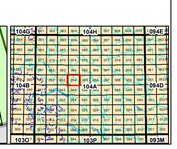
Exampla Opening History Details

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

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