104B054

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
104B054

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/Nav/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:

Cw 80 1 Fd 40 2 Hw 20 3 Cw 60 4 5 6

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 Class - Height Class - Crown Closure Class - 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 Descriptor)
- ex: a 'herb' 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

Cut - opening number valid for BCGS mapsheet
DORK - 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	YEW
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
Pl	Limber Pine
Pli	Lodgepole Pine (interior)
Plu	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pli	Shore Pine (coast)
Pw	Western White Pine
Pxj	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Englemann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Englemann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
A	ASPEN; COTTONWOOD or POPLAR
Ac	Poplar
Acb	Balsam Poplar
Act	Black Cottonwood
Ax	Hybrid Poplars
At	Trembling Aspen
R	ARBUTUS
Ra	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Ep	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vv	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wx	Peachleaf Willow (Barclay's)
Wrd	Pussy Willow (gray-leaved)
Wrs	Scouler's Willow
Ww	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xh	unknown tree (no inv on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ua	Apple
	ASPEN; COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
Ae	*Aspen
Be	European Birch
Ely	Silver Birch (swamp)
Ey	*Yellow Birch
	CHERRY
Vs	*European Cherry
	CYPRESS
Yp	*Port Orford Cedar
	FIR (Balsam)
Bb	*Balsam Fir
Bc	*Corkbark Fir
Bm	*Sharply Red Fir
Bn	*White Fir
	LARCH
Le	*Dahurian Larch
Ls	*Siberian Larch
	MAPLE
Me	Box Elder
Mk	*Norway Maple
Ms	*Sycamore Maple
	OAK
Qe	*English Oak
Qn	*White Oak
	PINE; CONIFERS
Cs	*Incense Cedar
Gb	*Giant Sequoia
Oc	*Coast Redwood
Ou	European Mountain Ash
Ow	Mountain Ash (southern)
Oc	Common Pear
Og	Oregon Ash
Oh	*White Ash
Oj	*Shagbarck Hickory
Ol	*Black Walnut
Op	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pn	*Red Pine
Pr	*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
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

Site Index is always 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 available SI trees cannot present; e.g. young stands (<50yrs). 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 - 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 - 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
- er Exposed Land
- ro Rock / Rubble
- si Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mz	RUBBLY MINE SPOILS
bf	BOG/FIELD	lk	LAKE DRIED	ri	RIVER
br	BEDROCK	li	LANDING	ot	OTHER
bu	BURNED AREA	lo	POND or LAKE SEDIMENTS	sn	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
es	EXPOSED SOILS	mn	MORAINE	rl	RIVER / STREAM
gl	GLACIER				

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

rm	RESERVOIR MARGIN
rm	RAILWAY SURFACE
rn	RUNWAY SURFACE
rd	ROAD SURFACE
ta	TALUS
ta	TAILINGS
ur	URBAN

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH
B	BARREN	NPFL	NON PRODUCTIVE FLOOD
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
ICE	ICEFIELD	P	HAYFIELD
M	MEADOW	R	ROCK
MUD	MUD FLAT	S	SWAMP

SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
NC	NON-COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NPRS	NON PRODUCTIVE RESTOCKED		
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.

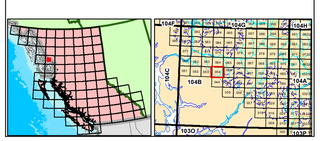
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation
T	Treatment Injuries
U	Damage Unknown
V	Problem Vegetation

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



104B063
104B064
104B068
104B053
130 Skeena Stikine Natural Resource District
CASSIAR DISTRICT
104B054
76-9
76-5
CRAIG HEADWATERS PROTECTED AREA
104B055
104B044
104B045

Overflow Labels

104B054