103H005

Vegetation Map
103H005

Province of 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 / Terrain5

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to display the vegetation resource inventory (VRI) data for the province. Some of the VRI data displayed on this portrayed map will 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
- Structure Opening in Vegetation
- Permanent Sample Plot (CFS)
- Research Installations

TRIM - Base Features:
- 4x4 Trail Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrkd/Wetlands - ESM
- Waterbodies - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM
- Municipal boundary (> 1,000,000 ha) - 15 % hatch
- Municipal boundary (< 1,000,000 ha) - no hatch)
- National Parks
- Fen/Isolations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- NV_Region-Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area-Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis

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 (Douglas Fir) and Hw (Western Hemlock)
4 Age Class, Height Class and Crown Closure Class for the leading species
ex: stand is age class 2 (21-40 yrs); height class 1 (0.1-10.4m); crown closure class 1 (0-10%); SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex: a leafy 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 zzzW - 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. L2)

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 4.6 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	BALSAM
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (Alpine)
H	HEMLOCK
Hw	Mountain Hemlock
Hm	Western Hemlock
Hmh	Mountain x Western hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sweede Juniper
L	LARCH
Lt	Alpine Larch
Lw	Tamarack
Lwa	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plcp	Lodgepole Pine x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pp	Shore Pine (coast)
Pw	Western White Pine
Pyi	Whitebark Pine
S	SPRUCE
Se	Englemann Spruce
Sw	Englemann Spruce
Ss	Sitka Spruce
Sxw	Hybrid Spruce
Sxl	Hybrid Spruce
Sxe	Englemann x White
Sxs	Sitka x White
Sxs	Sitka x unknown hybrid
Sx	White
Sx	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Da	Sitka Alder
Ad	Pacific Coast Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Eastern Poplar
Ac	Black Cottonwood
Ae	Trembling Aspen
At	Trembling Aspen
R	ARBUTUS
Ra	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Ep	Alaska Paper Birch hybrid
Ep	Paper Birch (Alaska)
Ew	Water Birch
K	DOGWOOD
Kc	Cascara
Kf	Flowering
Us	Bitter Cherry
Uv	Choke Cherry
Um	Pin Cherry
Z	WOODWARD
Qg	Pacific Dogwood (western flowering)
W	WILLOW
Wa	Sitka Willow
Wa	Scouler's Willow
Wa	Peachleaf Willow (Bradley's)
Wa	Peachleaf Willow (Lance-leaved)
Wa	Eastern Willow
Wt	Sitka Willow (hardwood)

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 Apple BALSAM, COTTONWOOD or POPLAR
Ek	*Southern Cottonwood BIRCH
Ek	*Japan Birch
Ek	Silver Birch (exempt)
Ey	*Yellow Birch CHERRY
Us	Sweet Cherry CYPRESS
Yo	*Nootka Cedar FIR (Subalpine)
Bk	*Balsam Fir
Bk	*Nikko Fir
Bk	*Shasta Red Fir
Bc	*White Fir LARCH
Lt	*Siberian larch
Lt	*Subalpine larch MAPLE
Mk	Box Elder
Mb	*Bigleaf Maple
Mt	*Tatarian Maple OAK
Oh	*English Oak
Ow	*White Oak OTHER EXOTICS
Ot	*Black Locust
Ot	*Desert Ironwood
Ou	*Coast Redwood
Ot	*Green/Black Ash
Ot	Siberian Elm (excellent)
Of	Common Pear
Ot	*Russian Olive
Ot	*White Ash
Ot	*Bigleaf& Hickory
Ot	Tree of Heaven
Ot	Japanese Walnut PINE
Pm	*Monterey Pine
Pr	*Red 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
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)
1	0 - 5
2	6 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
	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. Site index curves are based on age and height; estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees are not present, e.g. young stands, deciduous stands, etc. The following hierarchy provides 4. Associated fields in the data base are Inventory Type Group and SI if estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I records)

NON-TREED SHRUB
- H SHRUBTALL - shrub with average shrub height > or = to two metres.
- M SHRUBLOW - shrub with average shrub height < two metres.

NON-TREED HERB
- G HERB - herb with no distinction between forbs and graminoids.
- M 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, liverwort, and hornwrts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED
- V Vegetated Land
- N Rock / Nubble
- S Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
b	BEACH/BAR	l	LAKE	mw	MUDFLAT/ MINE SPOILS
br	BOG/HEATH	la	LANDING	ri	RIVER
c	CORRIDOR	ll	LANDING	sf	OTHER
cv	EUREKA/AREA	o	POND or LAKE SEDIMENTS	sn	SNOW COVER
cb	CUTBANK	op	OPEN PIT MINE	t	RESERVOIR
cs	CUTBANK/SOILS	w	MORAINE	w	STREAM
gl	GLACIER				

Note: Water categories (la, ou, re, ri) not labelled on all SI scanned coverages.

rm	RESERVOIR MARGIN
rn	RESERVOIR NARROWS
s	SNOW SEDIMENTS
u	ROAD SURFACE
tl	TAILS
v	TAILINGS
w	WATER

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
BE	BEACH/BAR	NPF	NON PRODUCTIVE FOREST	U	URBAN
CL	CLAY BANK	NPFS	NON PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GL	GLACIER	OC	OPEN CANOPY	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	WATERLD	NF	NON FORESTED
M	MEADOW	R	ROCK	NMR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT/BAR	S	SWAMP	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

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

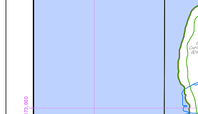
A	Animal Damage	L	Logging
B	Fire	N	Non-Forest Cover
C	Cone and Seed Insects	NL	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation
T	Treatment Injuries
U	Damage Unknown
V	Problem Vegetation

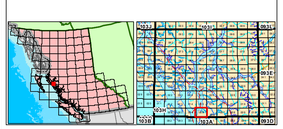
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of the Herd 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
SILVICULTURE PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





103H014 103H015 103H016 103A094 103A095 103A096 61-59 61-69 112 RANGE 4 COAST DISTRICT 103H004 103H005 103H006 Coast Mountains Natural Resource District

Overflow Labels

103H005

103H005