093B065

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093B065

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 / Terrabis

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
- Sriculture Opening in Vegetation
- Permanent Sample Plot (2013)
- Research Installations

TRIM_Base Features:
- 4a Bulk Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airstrips
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Ice-Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- FLNR(LNRO) 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 (> 1:600,000 No. / 15 % hatch)
- Municipal boundary (< 1:600,000 No. / 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. the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
4 AGE CLASS / HEIGHT CLASS (Site Index in brackets - 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 herbs 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
zzzz - 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 dataed 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
Pl	Jack Pine
Pli	Shore Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Py	Ponderosa Pine (yellow)
Pyi	Shore Pine (coast)
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Se	Englemann Spruce
Sep	Englemann Spruce
Ss	Sitka Spruce
Sxs	Spruce hybrid
Sx	Spruce hybrid
Sxw	Englemann x White
Sxl	Spruce hybrid
Sxs	Sitka x Lutchman hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Act	Balsam Poplar
Ax	Hybrid Poplars
E	BIRCH
Ep	Paper Birch
Ea	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ey	Yellow Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vb	Choke Cherry
Vv	Choke Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gb	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wr	Pacific Willow
Wa	Peachleaf Willow (Bantley's)
Wh	Hooker's Willow (Hooker's)
Wsi	Scouler's Willow
Wr	Sitka Willow (low-leaved)
X	UNKNOWN - OTHER
X	UNKNOWN
Xt	unknown hardwood
Z	unknown softwood
Z	OTHER (tree not on list)
Zz	unknown
Zh	other hardwood

EXOTICS

	APPLE
Ua	Siberian Crab
Aa	ASPEN, COTTONWOOD or POPLAR
Aat	*Southern Cottonwood
E	BIRCH
Ek	European Birch
Ely	Silver Birch (swamp)
Ey	Yellow Birch
C	CHERRY
Vs	Sweet Cherry
L	LARCH
Ls	*Dunkeld Larch
Lsl	*Dahurian Larch
Lk	*Japanese Larch
M	MAPLE
Mk	Box Elder
Mn	*Norway Maple
Ms	*Sycamore Maple
O	OAK
Qa	*English Oak
Qm	*White Oak
	OTHER EXOTICS
Ob	*Black Walnut
Oc	*Giant Sequoia
Ov	*Coast Redwood
Oa	*Green/White Ash
Ow	Siberian Elm (southern)
Of	Common Pear
Oh	*Horsechestnut
Ol	*White Ash
Oj	*Bradgford Hickory
Ot	*Tree of Heaven
Oj	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pp	*Red Pine
Pj	*Sugar Pine
Pw	White Pine
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 to the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the tallest tree in the polygon. If there is no tree data to estimate 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. recently logged, or when the site is a non-forested 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
- sh SHRUB - 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
- bs BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverworts, and hornwort > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED
- rl Exposed Land
- rc Rock / Rubble
- sn Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

- ap AIRPORT
- bc BEACH
- bm BEDROCK/SLD
- br BEDROCK
- bu BURNED AREA
- cl CLEARING
- ea EXPOSED SOILS
- gl GLACIER
- gp GRAVEL PIT
- ic ICE
- la LAKE (SM-LG)
- l LANDING
- o POND or LAKE SEGMENTS
- rs RESERVOIR
- rs RESERVOIR
- s SNOW
- Note: Water categories (bl, rs, o) not labelled over 90 percent coverage.
- mu MUDFLAT SEDIMENT
- ms MUNICIPALITY MINE SPOILS
- o OCEAN
- or OTHER
- ow OTHER COVER
- rs RESERVOIR
- r RIVER / STREAM
- rm RESERVOIR MARGIN
- rp RESERVOIR SPOILS
- rv RIVER SEGMENTS
- rd ROAD SURFACE
- sa SALTWATER
- tz TAILINGS
- ur URBAN

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

- A ALPINE
- CP NON-FOREST (Species Composition)
- C CULTIVATED
- CL CLAY BANK
- GR GRAVEL BAR
- OR OUTCROP
- ST STEPPED
- MUD MUD FLAT
- NF NON-PRODUCTIVE (BRUSH)
- NPBB NON-PRODUCTIVE BURN
- NPFL NON-PRODUCTIVE FOREST (Species Composition)
- NVA NO TYPING AVAILABLE
- NW NON-FOREST
- P HAYFIELD
- R ROADS
- S SWAMP
- SAND SAND
- TIDAL TIDAL FLAT
- U URBAN
- NC NON-COMMERCIAL
- NCBR NON COMMERCIAL BRUSH
- NP NON-PRODUCTIVE
- NSR 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
- B Wildfire
- D Diseases Seed Insects
- E Disease
- I Insects
- L Logging
- M Mild Damage
- P Non-Biological Injuries
- R Core and Swelling Fungal Pathogens
- S 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 Layers" to turn on display values for :

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

093B074 093B075 093B076
093B064 093B065 093B066
093B054 093B055 093B056
55-16 55-15 55-96 55-41 55-8
64 126
1T 1991
EP1373
EP1374
EP1375
CARIBOO DISTRICT
Quesnel Natural Resource District

Overflow Labels

093B065