092G049

Vegetation Map
092G049

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 - VRIM/LI 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 information in a way that is useful for most purposes. The accuracy of the information for any particular purpose 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 (SYS)
- Research Installations

TRIM - Base Features:
- 4x4 Trail
- Resource Road
- Forest Service Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Aqf Areas
- Other Area
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrodfeatures - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- Dfo,MNR Region boundary
- Resource District boundary - FADM
- Aac Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area Block - FADM
- Tree Farm Licenses - FADM
- Land Districts boundary
- Administrative boundary
- Survey Parcels - Terrains
- Municipal boundary (1:1,000,000 ha - 19 % fuzzy)
- Regional boundary (1:1,000,000 ha - no fuzzy)
- National Parks
- Tree Nurseries
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Qtrs:
- 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 (or multi-layer stand indicator(s))
3 Species Composition
as the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock)
4 Age, Height, Crown Closure Class Code - separator - Site Index (estimated SI)
for stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (0-19%), SI 20m
5 Disturbance Code - separator - Disturbance History Year
as a herb 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:

OGP: - opening number valid for BCGS Mapsheet
OGP#: - 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 Codes List 1:

Species Composition Symbols 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 2005.

NATIVE CONIFERS

B	BALSAM
Bg	Grand Fir - Red Ledger
C	CYPRESS
Cw	Western Red Cedar
F	SPRUCE/FIR
Fd	Douglas Fir
Fdc	Douglas Fir - Coastal Fir
Fdi	Inland Douglas Fir
Fl	Fir (Subalpine)
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Western x Mountain Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sawtooth Juniper
L	LARCH
Lt	Alpine Larch
Lw	Tamarack
P	PINE
Pa	Whitebark Pine
Pf	Limber Pine
Pl	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (inland)
Plx	Lodgepole x Jack Pine hybrid
Pm	Mixed Pine species
Pw	Western White Pine
Py	Ponderosa Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	White Spruce
Sxl	Spruce hybrid
Sxw	Hybrid White Spruce
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Te	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	ASPEN
Ep	Aspen - Soft Leaf Aspen
Ew	Aspen - Cottonwood or POPLAR
Ac	Poplar
Act	Poplar - Balsam
Acb	Poplar - Balsam Cottonwood
Ax	Hybrid Poplars
Axm	Poplar - Black Poplar
A	MAPLE/TILIA
Ae	Arbutus
At	Alder
Ab	Alder - Red Birch
Abr	Alder - Red Birch hybrid
Ep	Paper Birch (white)
Epr	Paper Birch (red)
K	DOGWOOD
Kc	Cascara
Kp	Pacific Dogwood
V	Black Cherry
Vc	Choke Cherry
Vp	Pin Cherry
V	WOODY SHRUB
Vb	Woody Shrub (mixed deciduous flowering)
W	WHITEBARK
Wb	Willow - Bebb (woodbar)
Wh	Hardhack
G	Oak
Gb	Garry Oak
W	WILLOW
Wb	Black Willow
Wp	Pacific Willow
Wsx	Peachleaf Willow (Bebtach)
Wy	Pussy Willow (grey leaved)
Wr	Red Willow
Wsp	Sitka Willow (tea leaved)

UNKNOWN - OTHER

X	unknown conifer
Xc	unknown hardwood
Xh	unknown broadleaf (HD)
Xs	other conifers
Z	other hardwood

EXOTICS

XP	APPLE
Ue	ASPEN
Ucw	Aspen - COTTONWOOD or POPLAR
Ucwh	Aspen - Cottonwood hybrid
Ub	BIRCH
Ubp	European Birch
Ubpk	Birch - Purple Kenaby
Ubr	Birch - Red
Ubw	Birch - White
Ch	CHERRY
Chm	Cherry - Mazzard
Cht	Cherry - Pin
Cl	CHESTNUT
Clh	Chestnut - Horse
Cs	Chestnut - Spanish
Ue	ELM
Uea	Elm - American
Ueu	Elm - Siberian
Ug	GINKGO
Ugb	Ginkgo - Biloba
Uh	HAWTHORN
Uhc	Hawthorn - Cockspur
Uhd	Hawthorn - Double Scarlet
Uhp	Hawthorn - Paul's Scarlet
Uhs	Hawthorn - Single Scarlet
Uhw	Hawthorn - Washington
Uhx	Hawthorn - Other
Uhy	Hawthorn - Hybrid
Uk	KOELREUTERIA
Ukp	Koelreuteria - Panicled
Um	MAPLE
Umn	Maple - Norway
Ump	Maple - Purple Leaf
Ums	Maple - Silver
Umsu	Maple - Sugar
Umt	Maple - Tatarian
Uo	OAK
Uor	Oak - Red
Uow	Oak - White
Up	PEAR
Upb	Pear - Bradford
Upc	Pear - Callery
Upo	Pear - Ornamental
Upw	Pear - Willow Leaf
Ur	ROBINIA
Urp	Robinia - Pink Flowering
Urs	Robinia - Shademaster
Us	SORBUS
Usa	Sorbus - American Mountain Ash
Usc	Sorbus - Showy Mountain Ash
Usm	Sorbus - Mountain Ash
Uw	WALNUT
Uwb	Walnut - Black
Uwe	Walnut - English
Uwh	Walnut - Heartnut
Uwj	Walnut - Japanese
Uwm	Walnut - Manchurian
Uwn	Walnut - Northern California Black
Uwt	Walnut - Texas Black
Uy	YOSHINO CHERRY
Uyo	Yoshino Cherry
Uyw	Yoshino Cherry - Weeping
Uz	ZELKOVA
Uzs	Zelkova - Serrata
Ux	Other Exotic
Uxb	Exotic Broadleaf
Uxc	Exotic Conifer
Uxh	OTHER EXOTICS
Uxa	Ailanthus
Uxc	Catalpa
Uxd	Desert Ironwood
Uxe	European Mountain Ash
Uxf	Flowering Crabapple
Uxg	Common Pear
Uxj	Dragon Ash
Uxk	Katsura
Uxl	Tanglestick Honey
Uxm	Mimosa Silk
Uxn	Japanese Walnut
Uxo	Oak
Uxp	Norway Pine
Uxr	Red Pine
Uxs	Scots Pine
Uxu	SPRUCE
Uxy	Norway Spruce

Line 4

4a. AGE CLASS

CODE	LIMITS (years)
1	1-20
2	21-40
3	41-80
4	81-80
5	121-120
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 - 9
2	10 - 19
3	20 - 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 referred to the nearest metre, referenced at 50 years breast height age. Where SI is shown as 0 it is not known or not a leading species. Where an error term (E) cannot be calculated, age and height estimated. SI is shown after or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees cannot present, e.g. Immature stands, Deciduous stands, Non-forested sites. Estimated SI is calculated from Site Index Curves and is assigned a Reliability Rating. Site Index and SI Estimated source code.

Line 5 - Vegetation records:

VEGETATED NON-TREE CATEGORIES - (by V and Lyr=one)

NON-FIRED SHRUB
- d SHRUB TALL - shrub with average shrub height > or = to 2 metres.
- s SHRUB LOW - shrub with average shrub height < than 2 metres.

NON-FIRED HERB
- he HERB - herb with no distinction between forbs and graminoids.
- hg HERB GRAMINOID - herb with graminoids > 50% of the herb layer.
- ht HERB GRAMINOID - herb with graminoids < 50% of the herb layer.

NON-FIRED SHRUB
- hs SHRUB - shrub with no distinction between mesaes and lichens by cover.
- sl SHRUB LICHEN - shrub with mosses, lichens or both exceed > 50% of the ground cover.

NON-VEGETATED CATEGORIES - (by V and Lyr=one)
- ae AIRPORT
- b BEACH
- br BOULDERFIELD
- bi BRUSH/CUT
- c CLIFF
- cl CLAY BANK
- cu CUT BANK
- d DRAINAGE
- dl DRAWS/GULLY
- e EXPOSED LAND
- f FLOOD
- g GRAVEL PIT
- gl GLACIER
- h LANDING
- i INDUSTRIAL SITE
- l LAKE
- m MUSKEG
- mi MINE
- mu MUSEUM SEGMENT
- o OTHER
- p PIPELINE
- q QUARRY
- r RIVER
- rb RIVERBANK
- rd ROAD
- s SLIDE
- sa SALTWATER
- sc SCRUB
- sl SALT MARSH
- sp SPOIL
- t TAILINGS
- u UNKNOWN
- w WATER
- ww WATER SEGMENTS
- x GRAVEL PIT
- z SAND

Note: these categories (ex. ae, m) normally not considered over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (line 5 - records):
- A ALPINE
- AF ALPINE FOREST (Species Composition)
- CL CLEARING
- CR CROP
- D DRAINAGE
- DR DRAINAGE
- M MEADOW
- MUS MUSKEG
- NP NON PRODUCTIVE
- NPBR NON PRODUCTIVE BRUSH
- NPBS NON PRODUCTIVE BURN
- NPF NON PRODUCTIVE FOREST (Species Composition)
- OR OPEN RANGE
- OW OPEN WOODLAND
- R RANGE
- S SWAMP
- SANG SANG
- SF SOFT LEAF
- URBAN
- NC NON COMMERCIAL
- NCBR NON COMMERCIAL BRUSH
- NFOR NON FORESTED
- NFR NOT SUFFICIENTLY RESTOCKED
- NVL NOT PRODUCTIVE-UNKNOWN

Line 6 - Disturbance History

Disturbance type code is entered 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
- C Insects and Seed Insects
- D Diseases - Insects
- L Logging
- M Mine Damage
- N Human Caused Injuries
- P Cone and Seedling Fungal Pathogens
- S Site Remediation
- T Treatment Injuries
- U Unknown Injuries
- 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 forest RESULTS data.

The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Access MAPVIEW from the list then click on "Display Silviculture Maps" to turn on display values for:

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

Overflow Labels

092G049