093B050

Vegetation Map
093B050

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 : MFL MRO / VRMS / Ownership
Base Map Source: TRIM / Terrain

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
- Structure Opening in Vegetation
- Permanent Sample Plot (2015)
- Research Installations

TRIM_Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf arries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydr/Aqu/Barriers - ESRI
- Watercourses - ESRI
- Waterbodies - ESRI
- Wetlands - ESRI
- Ocean - ESRI

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- MV 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 (1:1,000,000 hd. - 10 % hatch)
- Municipal boundary (1:1,000,000 hd. - 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
4 Age, Height, Crown Closure (if second layer is described as Fd (Douglas 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 Site Series, Ecosystem Classification Description
ex. 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

- opening number valid for BCGS mapsheet — zzzzz - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRMS Polygon Number - ranging from one to nine digits
A Multi-layered stand,i.e separate description of each layer is available in the data base, i.e. 1,2)

Line 3 - BC Tree Code List

Species Compositions: 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
F	DOUGLAS FIR
Fd	Coastal Douglas Fir
Fdi	Coastal Douglas Fir
Fdl	Interior Douglas Fir
Fdc	Columbian Fir
Bl	Amabilis Fir
Bg	Grand Fir
Ba	Amabilis Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sawtooth Juniper
L	LARCH
Lt	Alpine Larch
Lw	Tamarack
Lt	Western Larch
P	PINE
Pa	Alpine Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (contorta)
Plx	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pwa	Western White Pine
Pli	Whitebark Pine
Pr	Red Pine
Ss	Black Spruce
Sb	Black Spruce hybrid
Se	Sitka Spruce
Sw	White Spruce
Sxs	Spruce hybrid
Sxw	Engelmann x White
Sxl	Spruce hybrid
Sx	Sitka x Lutchuan hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	APPLE
Up	Pacific Crab Apple
At	ASPEN / BALSAM/COTTONWOOD or POPLAR
At	Aspen
Abb	Black Cottonwood
Abl	Black Cottonwood
Ac	Balsam Poplar
Ax	Hybrid Poplar
B	BIRCH
Ba	Alaska Paper Birch
Bpa	Alaska Paper Birch hybrid
Bp	Paper Birch (white)
Bw	Water Birch
Bb	Water Birch
Cp	Catalpa
K	CHERRY
Kb	Black Cherry
Kc	Choke Cherry
Kp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Dg	Garry Oak
Q	QUAKING
W	Weeping Willow
Wp	Pacific Willow
Wpb	Pacific Willow (Barrette's)
Wrr	Rocky Willow (pre-blanket)
Wr	Rocky Willow (pre-blanket)
Ws	Scouler's Willow (pre-blanket)

UNKNOWN or OTHER

X	UNKNOWN
Xc	Unknown conifer
Xh	Unknown hardwood
Z	OTHER (tree not on list)
Zz	other tree
zh	other hardwood

EXOTICS

Ue	APPLE
Uw	ASPEN
	ASPEN, COTTONWOOD or POPLAR
Ast	Southern Cottonwood
Ae	Aspen
Eb	European Birch
Ep	European Mountain Ash (rowanry)
Es	Hybrid Birch
Ew	Swedish Birch
Ys	Sawara Cypress
	CYPRESS
Yo	Japanese Cedar
	FIR (Eastern)
Bb	Balkan Fir
Bc	Corkbark Fir
Bm	Himalya Red Fir
Bs	White Fir
	LARCH
Ld	Dahurian Larch
Le	Siberian Larch
Lk	Kurile Larch
Me	Box Elder
Mn	Norway Maple
Mp	Sycamore Maple
	OAK
Qe	English Oak
Qw	White Oak
	PINE
Pa	Austrian Pine
Pc	Corsican Pine
Pd	Scots Pine
Pe	Swiss Stone Pine
Pm	Mugo Pine
Pn	Japanese Red Pine
Pp	Himalayan Pine
Pq	Japanese White Pine
Pr	Red Pine
Pt	Lacebark Pine
Pv	Himalayan White Pine
Pw	Western White Pine
Pxj	Japanese Hybrid Pine
Pxr	Red Pine hybrid
Pxs	Scots Pine hybrid
Pxx	Other Pine hybrid
Ue	European Mountain Ash
Uh	Siberian Elm (laurifolia)
Uj	Japanese Ash
Ur	Oregon Ash
Us	White Ash
Ut	Black Locust (Robinia)
Uz	Tree of Heaven
Yn	Norway Spruce
	PINE
Pbn	Bhutanese Pine
Pm	Mexican Pine
Pyr	Ponderosa Pine
Pf	Red Pine
Pfa	Ruggs Pine
Pj	Jack Pine
Ps	Norway Spruce

Line 4

4a AGE CLASS

CODE	AGE (in years)
1	1-20
2	21-40
3	41-60
4	61-80
5	81-100
6	101-120
7	121-140
8	141-160
9	161+

4b HEIGHT CLASS

CODE	HEIGHT (in 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	CROWN CLOSURE (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 may be derived from a variety of tree bearing 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 cannot present, e.g. young stands. Refer to Site Series Table for Site Index Curves provided 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
- al SHRUB TALL - shrub with average shrub height > or = to two metres.
- as SHRUB LOW - shrub with average shrub height < two metres.

NON TREED HERB
- h 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 BRYOID - bryoid with no distinction between mosses and lichens by cover
- bm BRYOID - MOSS - bryoid with mosses, liverworts, and hornwarts > 50% of the bryoid cover.
- bl BRYOID - LICHEN - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED CATEGORIES (for V and I records)

bl	BLUFF	mu	MUD/FLAT SEDIMENT
be	BEACH	ms	SAND / MINE SPOILS
cb	CLIFF/CRUMBLE	o	OTHER
d	DEBRIS/CK	oi	OTHER
l	LANDING	ow	OTHER COVER
ms	MINERAL/LAKE SEDIMENTS	r	RESERVOIR
os	ORGANIC SOILS	rv	RIVER/CK
ow	SCRUNE	v	RIVER / STREAM

Note: Water categories (ie. ow, rv, v) will labelled over 50 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST Nonsite	NPBG	NON PRODUCTIVE BURN
C	CULTIVATED	NPBS	NON PRODUCTIVE BURN SLIGHT Ripples
G	GRASS	NPC	NON PRODUCTIVE CLEARED
GL	GRAVEL BAR	NPCL	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
M	MEADOW	R	ROCK
MO	MEADOW	S	SWAMP
OS	EXPOSED SOILS	SW	SWAMP
gl	GLACIER		

SAND	SAND
TIDE	TIDAL FLAT
U	URBAN
	NON PRODUCTIVE
NCMR	NON COMMERCIAL BRUSH
NOR	NOT SUITABLE FOR TIMBER
NVR	NOT SUPPORTS RESTOCKED
N/A	NO TYPING AVAILABLE

R	RESERVOIR MARGIN
RE	RIVER SEDIMENTS
RS	ROAD SURFACE
S	SAND
TA	TAILINGS
U	URBAN

Line 6 - Disturbance History

Disturbance type code preceeded 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
C	Cone Crop	N	Non-Biological Injuries
E	Cone and Seed Insects	P	Cone and Seeding Fungal Pathogens
D	Diseases		
I	Insects		
B	Site Rehabilitation
H	Disaster / Hazard
U	Damage Unknown
V	Problem Vegetation

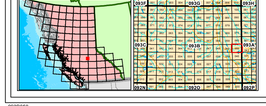
Example Opening History Details

Detailed Silviculture information is available on the BCGW
Data Catalogue as a WMS Service. The MapView example is of thinned 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 Data" to turn on display values for -

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





	093I	093P	093A	093H	093G	093J	093O	093K
094	94	95	96	97	98	99	100	101
093	83	84	85	86	87	88	89	90
092	72	73	74	75	76	77	78	79
091	61	62	63	64	65	66	67	68
082	50	51	52	53	54	55	56	57
081	39	40	41	42	43	44	45	46
080	28	29	30	31	32	33	34	35
071	17	18	19	20	21	22	23	24
070	6	7	8	9	10	11	12	13
060	104	105	106	107	108	109	110	111

Overflow Labels

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