Vegetation Map
093G028

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 / Terrain

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to facilitate the display of specific data sets and may not include all available information. Some features may have been 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 (2013)
- Research Installations

TRIM_Base Features:
- 4x Built Assets
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Ferry Routes
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolines/Banks - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region Boundary
- Resource District boundary - FADW
- REF_Region Compartment - FADW
- Provincial Forest area - FADW
- Timber Supply Area Block - FADW
- Tree Farm Licenses - FADW
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary (if < 1,000,000 ha - 10 % hatch)
- Municipal boundary (if < 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:

LINE DESCRIPTION
1 Structure 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, 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 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex: Sparsely vegetated with trees, shrubs 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 — 2XXX - 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 Unit

Species Composition: Species are listed 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	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
X	FIR (Balsam)
Ba	Balsam (Amabilis)
Bg	Grand Fir
Bl	Alpine Fir (Alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (Interior)
Plc	Lodgepole x Jack Pine Hybrid
Pj	Jack Pine (Boreal)
Pk	Shore Pine (Island)
Pli	Shore Pine (Interior)
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	Sitka Spruce
Sx	Spruce Hybrid
Sxe	Spruce Eng x Sitka
Sxl	Sitka x White
Sxw	Spruce unknown hybrid
YEW	
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
V	APPLE
Vc	Pacific Crab Apple
Vp	Black Cott TOWNCKO or POPLAR
At	Poplar
Abl	Balsam Poplar
Abt	Black Cottonwood
Ax	Hybrid Poplars
Ac	Trembling Aspen
R	ARBUTUS
E	BIRCH
Ep	Paper Birch
Ew	Alaska x Paper Birch Hybrid
Ewp	Alaska Birch x Paper Birch cantab
Ew	Water Birch
Ey	Yellow Birch
C	Cascara
G	Garry Oak
Vs	Bitter Cherry
Vu	Choke Cherry
Vv	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Q	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wb	Pacific Willow
Ww	Peachleaf Willow (Bandary's)
Wr	Scouler's Willow (Mackenzie Willow)
Wr	Scouler's Willow
Wr	Sitka Willow (tea-leaved)

UNKNOWN OTHER

Xc	unknown conifer
Xd	unknown deciduous
Xl	OTHER (tree not on list)
Zc	other conifer
Zd	other hardwood

EXOTICS

V	APPLE
Vp	POPLAR
Ax	HYBRID COTTONWOOD or POPLAR
Af	Southern Cottonwood
Ep	Poplar
Ew	European Birch
Ey	Silver Birch (exotic)
Ewp	Cutleaf Birch
CYPRESS	
Y	CYPRESS
Yc	Monterey Cedar
FIR (Balsam)	
Bb	Balsam Fir
Bn	Nordmann Fir
Bc	White Fir
Bc	Veitchs Fir
LARCH	
Lj	Japanese Larch
Lk	European Larch
MAPLE	
M	Maple
Mr	Norway Maple
Mp	Planetree Maple
OAK	
O	English Oak
Qm	White Oak
PINE	
Pa	Austrian Pine
Pc	Corsican Pine
Pm	Mugo Pine
Pn	Coast Redwood
Pp	Monterey Pine (radiata)
Pp	Ponderosa Pine
Pr	Red Pine
Ps	Scots Pine
Pw	Western White Pine
SPRUCE	
Sb	Black Spruce
Sn	Norway Spruce

Line 4

4a. AGE CLASS

CODE	LIMITS (years)
1	0-20
2	21-40
3	41-80
4	81-100
5	101-120
6	121-140
7	141-250
8	251+

4b. HEIGHT CLASS

CODE	LIMITS (metres)
1	0.1 - 9.3
2	9.3 - 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
0	86 - 100

4d SITE INDEX

Site index is based on dominant metre referenced at 50 years. Where height is low, SI is based on the age and height of the leading species. When an accurate SI cannot be obtained from available information a site index estimate will appear like this: (20)

4e. ESTIMATED SITE INDEX

Site index estimates are based on the dominant or second dominant species, e.g. Fd/Cw. Where Fd is dominant it is used in 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 5' and I records)

NON-TREED SHRUB
- s SHRUB - shrub with average shrub height > or = to two metres.
- u 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 MOSS
- m MOSS - moss with no distinction between mosses and lichens by cover.
- lm MOSS - LICHENS - mosses with mosses, liverworts, and hornwarts > 50% of the ground cover.

NON-VEGETATED
- w WATER - water
- r Rock / Rubble
- n Snow / Ice

NON-VEGETATED CATEGORIES (for 5' and I records)

bm	BARE MINERAL	ms	MUD/FLAT SEDIMENT
bc	BLOCKS	ss	SAND/ LARGE SHOAL
bl	BLOCKFIELD	sl	LAKE
bo	BOULDERS	sm	OCEAN
br	BURNED AREA	sr	RIVER / RIVER
bs	EXPOSED SOIL	ss	SNOW/ICE COVER
bg	GLACIER	st	STREAM
bi	ICEFIELD	sw	WASHOUT
bp	PERMAFROST		
bs	SURFACE		
bs	EXPOSED SOILS		
gl	GLACIER		
bi	ICEFIELD		
bp	PERMAFROST		
bs	SURFACE		
bs	EXPOSED SOILS		
gl	GLACIER		

Note: Water categories bs, ss, w, ri not identified over 90 percent coverage.

rm	RESERVOIR MARGIN	rs	RAILWAY SURFACE
rr	RAILWAY SURFACE	rs	ROAD SURFACE
rs	ROAD SURFACE	rs	ROAD SURFACE
rs	ROAD SURFACE	rs	ROAD SURFACE
rs	TRAILINGS	rs	TRAILINGS
ur	URBAN	ur	URBAN

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for 5' records)

AF	ALPINE FOREST / Species	NPBR	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLEARING	NPDS	NON PRODUCTIVE DESC
CL	GRAVEL BAR	NTA	NOT TYPING AVAILABLE
IC	ICE/FIELD	OC	OPEN COMMERCIAL BRUSH
KE	KEIFIELD	P	HAYFIELD
MUD	MUD FLAT	P	PASTURE
MUD	MUD FLAT		

SAND	SAND		
TID	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NPBR	NON PRODUCTIVE BRUSH		
NTA	NOT TYPING AVAILABLE		

Line 6 - Disturbance History

Disturbance type code preceded by symbol, followed by earliest date
For a complete disturbance type & agent 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
	Needle		
	Diseases		
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 called REGEN.mxd

The Ministry of Forests, Mines and Lands web application WHATWHERE can also provide this type of detailed information. Select the 'SILVICULTURE' tab then click on "Display Silviculture Map" to turn on display values for -

OPENING
OPENING LABEL 3
OPENING - PLANTING ACTIVITY
OPENING - TREATMENT UNIT
RDAREATOS_LABEL
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH

092H	092I	092J	092K	092L	092M	092N	092O	092P	092Q	092R	092S	092T	092U	092V	092W	092X	092Y	092Z	093A	093B	093C	093D	093E	093F	093G
093H	093I	093J	093K	093L	093M	093N	093O	093P	093Q	093R	093S	093T	093U	093V	093W	093X	093Y	093Z	094A	094B	094C	094D	094E	094F	094G
094H	094I	094J	094K	094L	094M	094N	094O	094P	094Q	094R	094S	094T	094U	094V	094W	094X	094Y	094Z	095A	095B	095C	095D	095E	095F	095G
095H	095I	095J	095K	095L	095M	095N	095O	095P	095Q	095R	095S	095T	095U	095V	095W	095X	095Y	095Z	096A	096B	096C	096D	096E	096F	096G
096H	096I	096J	096K	096L	096M	096N	096O	096P	096Q	096R	096S	096T	096U	096V	096W	096X	096Y	096Z	097A	097B	097C	097D	097E	097F	097G
097H	097I	097J	097K	097L	097M	097N	097O	097P	097Q	097R	097S	097T	097U	097V	097W	097X	097Y	097Z	098A	098B	098C	098D	098E	098F	098G
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102H	102I	102J	102K	102L	102M	102N	102O	102P	102Q	102R	102S	102T	102U	102V	102W	102X	102Y	102Z	103A	103B	103C	103D	103E	103F	103G
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104H	104I	104J	104K	104L	104M	104N	104O	104P	104Q	104R	104S	104T	104U	104V	104W	104X	104Y	104Z	105A	105B	105C	105D	105E	105F	105G
105H	105I	105J	105K	105L	105M	105N	105O	105P	105Q	105R	105S	105T	105U	105V	105W	105X	105Y	105Z	106A	106B	106C	106D	106E	106F	106G
106H	106I	106J	106K	106L	106M	106N	106O	106P	106Q	106R	106S	106T	106U	106V	106W	106X	106Y	106Z	107A	107B	107C	107D	107E	107F	107G
107H	107I	107J	107K	107L	107M	107N	107O	107P	107Q	107R	107S	107T	107U	107V	107W	107X	107Y	107Z	108A	108B	108C	108D	108E	108F	108G
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141H	141I	141J	141K	141L	141M	141N	141O	141P	141Q	141R	141S	141T	141U	141V	141W	141X	141Y	141Z	142A	142B	142C	142D	142E	142F	142G
142H	142I	142J	142K	142L	142M	142N	142O	142P	142Q	142R	142S	142T	142U	142V	142W	142X	142Y	142Z	143A	143B	143C	143D	143E	143F	143G
143H	143I	143J	143K	143L	143M	143N	143O	143P	143Q	143R	143S	143T	143U	143V	143W	143X	143Y	143Z	144A	144B	144C	144D	144E	144F	144G
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145H	145I	145J	145K	145L	145M	145N	145O	145P	145Q	145R	145S	145T	145U	145V	145W	145X	145Y	145Z	146A	146B	146C	146D	146E	146F	146G
146H	146I	146J	146K	146L	146M	146N	146O	146P	146Q	146R	146S	146T	146U	146V	146W	146X	146Y	146Z	147A	147B	147C	147D	147E	147F	147G
147H	147I	147J	147K	147L	147M	147N	147O	147P	147Q	147R	147S	147T	147U	147V	147W	147X	147Y	147Z	148A	148B	148C	148D	148E	148F	148G
148H	148I	148J	148K	148L	148M	148N	148O	148P	148Q	148R	148S	148T	148U	148V	148W	148X	148Y	148Z	149A	149B	149C	149D	149E	149F	149G
149H	149I	149J	149K	149L	149M	149N	149O	149P	149Q	149R	149S	149T	149U	149V	149W	149X	149Y	149Z	150A	150B	150C	150D	150E	150F	150G
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170H	170I	170J	170K	170L	170M	170N	170O	170P	170Q	170R	170S	170T	170U	170V	170W	170X	170Y	170Z	171A	171B	171C	171D	171E	171F	171G
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