Vegetation Map
082G009

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source : MFLNRO - 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 contained on this map is not to be used for navigation. Boundaries are approximate and may not coincide with boundaries on the ground. Use of this map for reference purposes only. Legend revisions June 2014.

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Feature:
- Forest Vegetation Polygons
- Silviculture Opening or Vegetation
- Permanent Sample Plot (VRI)
- Research Installations

TRIM - Base Features:
- All Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Rail Lanes
- Other lines
- Powerline
- Pipeline
- Buildings
- Mine Areas
- Misc Lines
- Water Lines
- Hydroelectric lines - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

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 ha / 15 % hatch)
- Municipal boundary (1:1,000,000 ha) / no hatch)
- National Parks
- Pre-Notations
- 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, Height, Crown Closure Class Code - separator. Site Index / estimated SI
ex. 4 - 100 years old / 4 - 16.5 metres tall / 3 - 26% to 35% crown closure / site class 1 (5-15%), SI 20+m
5 Vegetated Density Class (or Non-Forest Productive Descriptor)
ex. a herb polygon with no distinction between forbs and graminoids, shrubs less than 2 m.
6 Disturbance History ex. Logged in 1978

Line 1 - History Record Opening Number
- opening number valid for BCGS mapsheet. 20-1 - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRMS 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 "Tree (I) - Ministry of Forests Tree Code List" version 4.5 dated January 2009.

NATIVE CONIFERS

Cw	Western Red Cedar
Y	CYPRESS
Ep	Engelmann Spruce
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
F-	FIR (Balsam)
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	Sawtooth Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
PW	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (Interior)
Plc	Lodgepole Pine (Coastal)
Pli	Ponderosa Pine (Yellow)
Pp	Ponderosa Pine
Pw	Western White Pine
Py	Yellow Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxw	Hybrid Spruce
Sxl	Englemann x White
Sxl	Sitka x White
Sxw	White x Interior hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	DOGWOOD
E	Dogwood
G	APPLE
At	ASPEN, Cwb Aspen
Ac	ASPEN, COTTONWOOD or POPLAR
Ax	Poplar
Ab	Balsam Poplar
Act	Black Cottonwood
Ax	Hybrid Poplars
Ae	Trembling Aspen
E	BIRCH
Ep	Paper Birch
Ebp	Alaska Paper Birch hybrid
Ep	Paper Birch (white)
Ey	Yellow Birch
K	ASCARDS
Kc	Cascara
Kd	Dogwood
Ke	Bitter Cherry
Kr	Choke Cherry
Kv	Red Cherry
Q	OAK
Qg	Pacific Dogwood (western flowering)
Qg	Garry Oak
Qm	Lodgepole/Garry Oak/arbutt
Ue	Vine Maple
V	ALDER
Vs	Sitka Alder
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bentley's)
Wd	Prairie Willow (grey leaved)
Wr	Red Willow
Wl	Silky Willow (low branch)

UNKNOWN - OTHER

Z	UNKNOWN
Zc	unknown conifer
Zd	unknown deciduous
Zh	OTHER (tree not listed)
Zn	no tree
Zo	other hardwood

EXOTICS

Ai	AILANTHUS
Ax	ASPEN, COTTONWOOD or POPLAR
Ay	Golden Chainmail
Bm	BIRCH
Bp	European Birch
Bpg	Gray Birch (White)
Cy	Yellow Birch
CH	CHERRY
Ch	Mahaleb Cherry
Y	CYPRESS
Yn	Nootka Cyprus / Yellow Cedar
F	FIR (Balsam)
Fb	Subalpine Fir
Fg	Grand Fir
Fr	Shasta Red Fir
Fw	White Fir
L	LARCH
Lk	Siberian Larch
Lp	European larch
MAPLE	
Mb	Blue Elder
Mr	Red Elder Maple
Mt	Tatarian Maple
OAK	
Qb	English Oak
Qr	Holly Oak
OTHER DECIDUS	
Oa	Apple species
Oc	Giant Sequoia
Oe	Russian Olive
Ow	European Weeping Ash
Ow	Common Ash (southern)
Oy	Oregon Ash
Oz	Ash species
Ot	Tibetan Mulberry
Ot	Tree of Heaven
Ou	Japanese Walnut
PINE	
Pm	Montana Pine
Pn	Austrian Pine
Pu	Ponderosa Pine
SPRUCE	
Sn	Norway Spruce

Line 4

4a. AGE CLASS

CODE	LIMITS (years)
1	0-40
2	41-60
3	61-80
4	81-100
5	101-120
6	121-140
7	141-250
8	251 +

4b. HEIGHT CLASS

CODE	LIMITS (metres)
1	0 - 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 - 70
8	71 - 85
9	86 - 100

4d SITE INDEX

All SI curves to be viewed make reference at 50 years Breast Height Age. SI is based on the age and height of the dominant and co-dominant trees. Site index is estimated from age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated and/or adjusted for bias and curvature in young stands (<30yrs). It is denoted by a slash which always follows the site species code. Site index values are limited to Site Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I codes+k):

NON-TREELESS SHRUB
- sa SHRUB TALL — shrub with average shrub height > 4 m in some metres.
- sl SHRUB LOW — shrub with average shrub height < two metres.

NON-TREED HERB
- hf HERB — herb with no distinction between forbs and graminoids.
- hg HERB - GRAMINOIDS — herb with graminoids > 50% of the herb cover.
- hg HERB - GRAMINOIDS — herb with graminoids >50% of the herb cover.

NON-TREED BRYOID
- bm BRYOID — bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID, MOSS — bryoid with mosses, true mosses, and hornworts > 50% of the bryoid cover.
- bl BRYOID, LICHENS — bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I codes+k):

w AIRPORT	g GRAVEL PIT	mu MUDFLAT SEDIMENT	mi MISCELLANEOUS
b BARREN	m MINE	mv MUDFLAT VEGETATED	r RESERVOIR MARGIN
f BUILDYARD	s LANDFILL	o OCEAN	w WATER SEDIMENTS
c CLIFF	q QUARRY	p POND	v WATER VEGETATED
ru RUNNEL/AREA	h POND w LAKE SEDIMENTS	s SNOW COVER	t TALUS
sa SAND	hv POND w LAKE VEG	sn SNOW/ICE	u URBAN
se EXPOSED SOILS	st STRUCTURE	i RIVER ICE/SNOW	
gl GLACIER			

Note: Water categories (a, ev, re, ri) not labelled over 50 percent coverage.

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

A ALPINE	NP NON PRODUCTIVE	SAND SAND	
C CLEARED FOREST (Spaces	NPB NON PRODUCTIVE BRUSH	SC SCRUB / CAT	
CL CULTIVATED	NPBM NON PRODUCTIVE BURN	U URBAN	
CL CLAY BANK	NPF NON PRODUCTIVE FOREST Species		
DB DEBRIS BANK	NPL NON PRODUCTIVE LINEALS	NC NON COMMERCIAL	
DW DRIFTWOOD	OA OPEN AREAS	NCBR NON COMMERCIAL BRUSH	
ICE ICEFIELD	P HAYFIELD	NP NON PRODUCTIVE	
L LAKE	R ROCK	NSR NOT SATISFACTORILY RESTOCKED	
MUD MUDFLAT	S STUBBLE	NTA NOT TYPING AVAILABLE	

Line 6 - Disturbance History

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

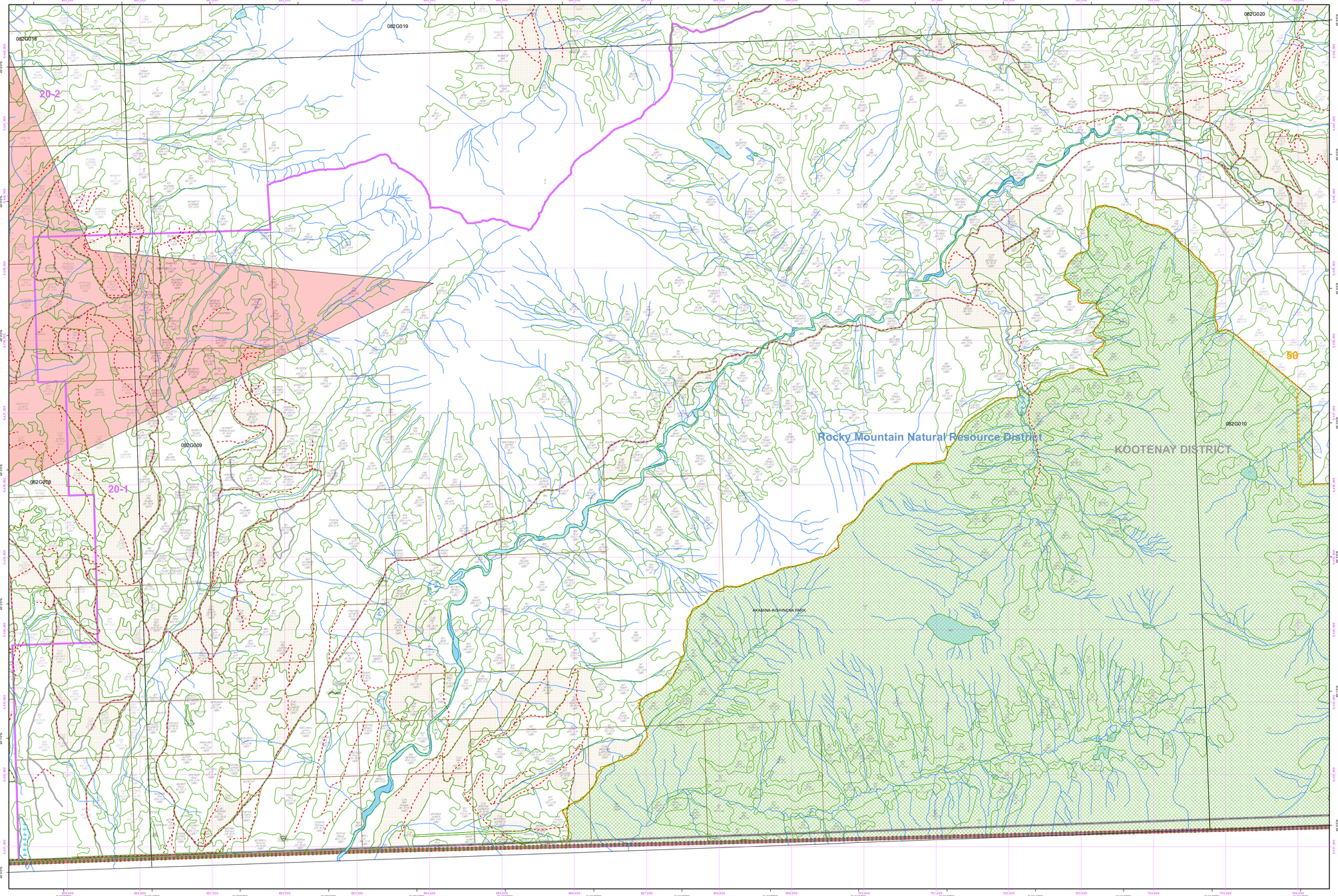
A	Animal Damage	L	Logging
B	Wildfire	M	Mild Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases Insects	P	Cone and Seeding Fungal Pathogens
R	Site Preparation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of thematic RESULTS data.

The Ministry of Forests, Mines and Lands web application http://www.for.gov.bc.ca/hre/gishome/ can be used to view the data. Select the SILVICULTURE layer, then display Silviculture Map" to turn on display values for:

OPENING
OPENING LABELS
SILVICULTURE TREATING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



Overflow Labels