Vegetation Map
082G073

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 support the analytical functions of the Ministry of Forests, Lands, and Natural Resource Operations. The information contained in this map is compiled from various sources. Administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revised to June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM - Base Features:
- Ice Bulk Shapes
- Forest Service Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeature lines - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MLNRO 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 (< 1:20,000,000 - 1% hatch)
- Municipal boundary (< 1:500,000 hatch - no hatch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Area
- 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 Class Code - separator - Site Index / estimated SI
e.x. 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)
6 Disturbance History (e.x. 1 year = cut, 2 years = cut and grass/herb, shrubs less than 2m,
7 Disturbance History (e.x. year = e.x. Logged in 1979)

Line 1 - History Record Opening Number

OPEN - opening number valid for BCGS mapsheet
8888 - opening number has not been assigned

Line 2 - Polygon No. / Multi-Layer

VRIMS Polygon Number - assigned from one to nine digits
Multi-layered stand to 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 4.3 dated January 2009.

NATIVE CONIFERS

CE	CEDAR
Cw	Western Red Cedar
Y	Yellow Cedar
Yc	Yellow Cedar - Planted
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
F	FIR (Balsam)
Bl	Subalpine Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
Bm	Amabilis Fir
Hw	Western Hemlock
Hw	Western Hemlock
Hm	Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
Lw	Alpine Larch
Lw	Western Larch
Lt	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Pp	Ponderosa Pine (yellow)
Pla	Shore Pine (coast)
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Se	Engelmann Spruce
Sw	Engelmann Spruce
Sx	Sitka Spruce
Sxs	Sitka Spruce
Sxe	Spruce Hybrid
Sxe	Engelmann x White
Sxw	White x Engelmann
Sxs	Sitka x Unknown hybrid
Yew	YEW
Ty	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Da	Alder
A	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Apt	Balsam Poplar
Ac	Black Cottonwood
Ax	Hybrid Poplars
Ap	Poplar (Aspen)
Ap	Aspen
Pa	Arbutus
B	BIRCH
Bp	Alaska Paper Birch
Bpk	Alaska x Paper Birch hybrid
Bpg	Alaska Paper Birch
Bgo	Water Birch
K	DOGWOOD
Kp	Pacific Dogwood
G	GARRY
Gb	Bitter Cherry
Gc	Choke Cherry
Gv	Pin Cherry
G	DOGWOOD
Gs	Red Osier Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mn	Vine Maple
O	OAK
Gb	Oak
W	WILLOW
Wa	Pacific Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bebb's)
Wp	Pacific Willow (Bebb's Hybrid)
Wa	Scouler's Willow
Wr	Sitka Willow (low-leaved)

UNKNOWN / OTHER

X	unknown species
Xc	unknown conifer
Xh	unknown hardwood
Xhsh	shrub (deciduous)
Xc	other conifer
Xh	other hardwood

EXOTICS

Ge	APPLE
Ge	Apple
Ax	ASPEN, COTTONWOOD or POPLAR
Act	Tacamhac (Cottonwood)
Be	BIRCH
Bpe	European Birch
Bs	Small Birch (exotics)
Fg	Green Ash
	CHERRY
Cmi	Mazzard Cherry
	CYPRESS
Ys	Yellow Cedar - Planted
Hy	HEMLOCK
Hy	Western Hemlock
Bp	Noble Fir
Bpa	Noble x Grand Fir
Bpg	Grand Fir
	LARCH
Lt	Western Larch
Lte	Western Larch
	MAPLE
Mb	Bigleaf Maple
Mn	Norway Maple
Mp	Sycamore Maple
	OAK
Gb	Garry Oak
Gbg	Garry Oak
	OTHER EXOTICS
Ch	Horse Chestnut
Cs	Spanish Sweet
Cd	Coast Redwood
Ge	Common Hackberry Ash
Fe	Eastern Ash (exotics)
Cf	Common Filer
Ge	Apple
Ge	Unknown
Cl	Tibetan Holly
Cl	Holly
Cl	Japanese Walnut
	PINE
Pm	Monterey Pine
Pm	Red Pine
Ps	Sugar Pine
Pp	Pinyon Pine
	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	141-260
9	261 +

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 known to the nearest metre referenced at 50 years breast height age. Site index is the average height of the dominant leading species. Where an accurate SI cannot be calculated from 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 areas. Site index is estimated by the following process: it is looked up from the Site Index Estimates by Ecosystem Type Group and SI Estimated source code.

Line 5 - Vegetation records 1

VEGETATED NON-TREE CATEGORIES (for V and I records)

NON-TREED SHRUB
- s SHRUB TALL - shrub with average shrub height > or = to two metres.
- u SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- h HERBS - herb with no distinction between forbs and graminoids.
- f FORB - FORBS - herb with forbs > 50% of the herb cover.
- g GRAMINOIDS - herb with graminoids > 50% of the herb cover.

Non-TREED MOSS
- ba BRYOIDS - moss with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - moss with mosses, liverworts, and hornworts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - lichens with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ro	ROCK	mu	MUDFLAT SEDIMENT
rb	BEACH	sa	SALT WATER
v	BOULDERFIELD	s	SAND
rc	CLIFF	sc	GRAVEL
rs	SCREE	sg	GRAVEL AND SEDIMENTS
re	ROCK/SOIL/SNOW/ICE	sm	SNOW/ICE/GLACIER
w	OPEN WATER	sn	SNOW PATCH
w	LAKE		RIVER / STREAM

Note: Water categories (w, ou, ro, re) are treated over 50 percent coverage.

rm	RESERVOIR MARGIN
rr	RAILWAY SURFACE
rz	MINE SEDIMENTS
rt	TAILINGS
rp	PAVED
u	URBAN

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

A	ALPINE	MRE	MARINE EMERGENT
AF	ALPINE FOREST Species	MRSH	NON-TREED WETLAND
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN
G	GRASSLAND	NPBR	NON-PRODUCTIVE FOREST Species
GA	GRASSLAND	NSA	NOT OTHERWISE SPECIFIED
GR	GRAVEL PIT	OR	OPEN RANGE
L	LOGGED	R	ROCK
M	MEADOW	RIPA	RIPARIAN
WAT	WATERLAKE	S	SWAMP

SWD	SWAMP
TOF	TOWN FLAT
U	URBAN
NC	NON-COMMERCIAL
NCBR	NON-COMMERCIAL BRUSH
NF	NON-FORESTED
NFS	NOT SUFFICIENTLY RESTOCKED
NFA	NO FIPPING AREA LABLE

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	L	Logging
B	Wildfire	M	Mtn Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seedling Fungal Pathogens
I	Insects		
		R	Site Rehabilitation
		T	Treatment/ Injuries
		U	Damage Unknown
		V	Protects Vegetation

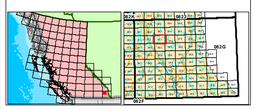
Example Opening History Details

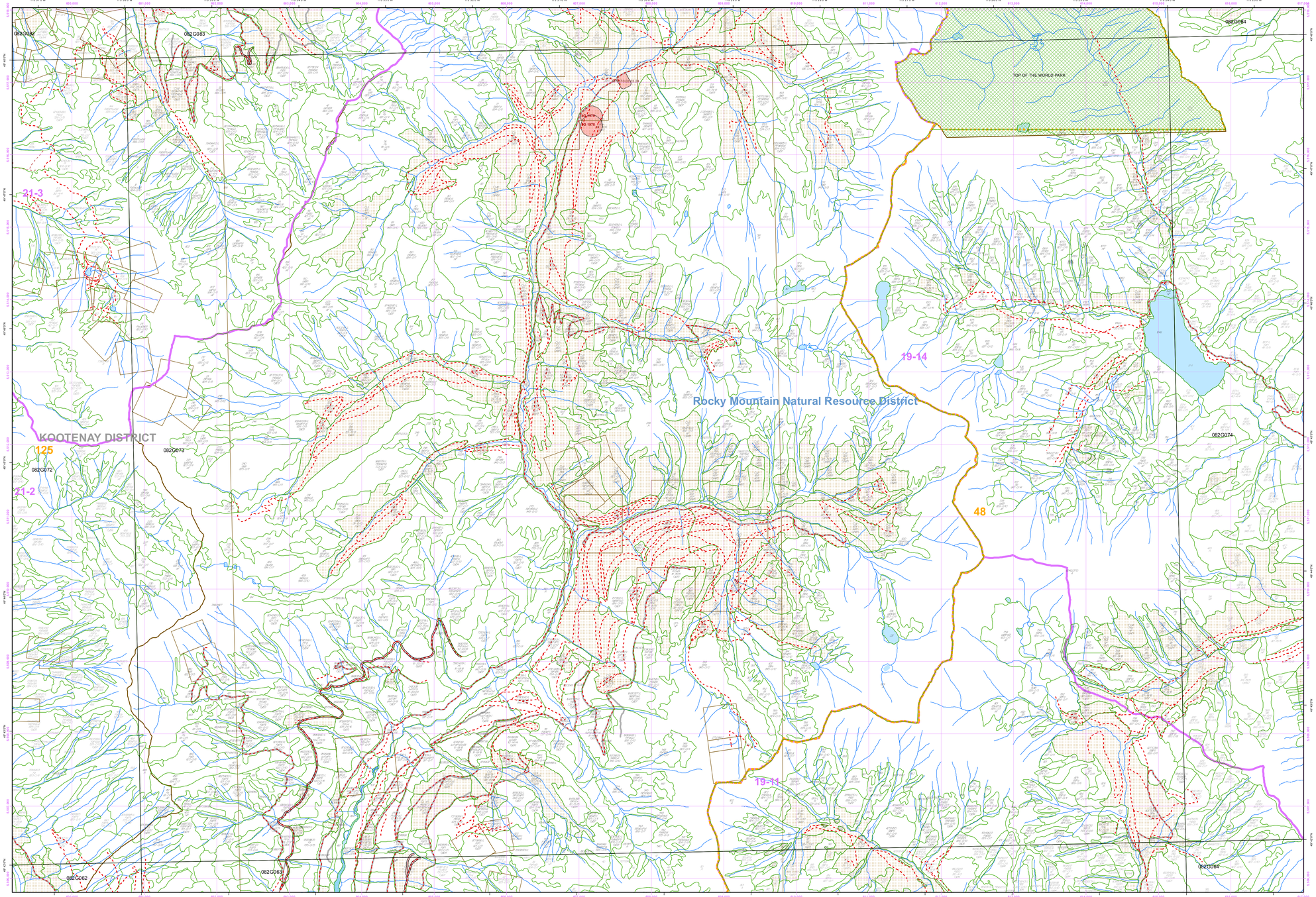
Detailed Silviculture information is available on the BCGW using a Web Map Service. The MapView example is offered as a tool to access.

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 Maps" to turn on display views for :

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







Overflow Labels