Vegetation Map
082K078

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 meet specifications for ease of use, but may still contain errors. The information shown on this map is compiled from pre-existing datasets and may not be complete and up to date (Cadastral, administrative boundaries and the Demerging colour theme are for reference purposes only. (Legend revisions June 2014)

Labels Projected To: January 1, 2015

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Secondary Opening in Vegetation
- Permanent Sample Plot (2100)
- Research Installations

TRIM - Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Ferries
- Other Lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro Boundaries - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- BEC Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Terrain
- Municipal boundary (1:1,000,000 ha - 15 % hatch)
- Municipal boundary (1:1,000,000 ha) - no hatch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- BCGS Map Sheet 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
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
an stand is age class 2 (21-40 yrs); height class 1 (0.1-10 Mt); crown closure class 1 (6-10%); SI 20m
5 Vegetated Density Class or Non-Forest/Productive Descriptor)
D is a dense stand of trees with a crown closure of 61-70% of the forest cover.
6 Disturbance History & year - we Logged in 1976

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

Line 2 - Polygon No. / Multi-layer
- Polygon Number - ranging from one to nine digits
- each 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 "The B.C. Ministry of Forests Tree Code List" version 4.5 dated January 2009.

NATIVE CONIFERS

CODE	LABEL
C	CEDAR
Cw	Western Red Cedar
Cy	Cypress
Y	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Ba	BALSAM
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hw	Western Hemlock
Hw	Western Hemlock
Hwk	Western Hemlock hybrid (western x Western Hemlock hybrid)
J	Rocky Mtn. Juniper
Jr	Western Juniper
L	LARCH
La	Alpine Larch
Lw	LARCH
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Plx	Pl/Sx(lake) Pine (hybrid)
Pj	Pl/Sx(lake) Pine (jackpine)
Pp	Ponderosa Pine
Pw	Western White Pine
Pxj	Jack/Lodgepole Pine (Jack/Lodgepole)
Sb	Black Spruce
Sbw	Black x White Spruce
Sb	White Spruce
Sw	White Spruce
Sx	SPRUCE
Sxw	Engelmann x White
Sxl	Sitka x White
Sx	Sitka x unknown hybrid
Yc	YEW
Yw	Western Yew

NATIVE HARDWOODS

CODE	LABEL
D	ALDER
Dr	Red Alder
Ds	Sitka Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Ad	Black Cottonwood
Ae	Trembling Aspen
Ae	Trembling Aspen
B	ARBUTUS
Bm	Pacific Madrone
E	BIRCH
Ew	Alaska Paper Birch
Ew	Alaska Paper Birch x Kenai Birch hybrid
Ep	Paper Birch (white)
Ev	Kenai Birch
Ew	Alaska Birch
K	Cascade Birch
Eg	Pacific Dogwood (western flowering)
Eg	DOGWOOD
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Mv	MAPLE
Gp	Garry Oak
W	WILLOW
Wb	Black Willow
Wp	Pacific Willow
Wy	Peach leaf Willow (Bebb's)
Wl	Scouler's Willow (gray willow)
Wr	Sitka Willow
Wi	Willow (species unknown)
UNKNOWN - OTHER	
x	UNKNOWN
xc	unknown conifer
xh	unknown hardwood
X	OTHER (species not listed)
Xc	other conifer
Xh	other hardwood

EXOTICS

CODE	LABEL
Ue	APPLE
Ue	Apple
Ax	ASPEN, COTTONWOOD or POPLAR
Ad	Southern Cottonwood
Ev	BIRCH
Ev	European Birch
Ev	Silver Birch (swamp)
Ev	Yellow Birch
Vb	CHERRY
Vs	Sweet Cherry
	CYPRESS
Ly	Leyland Cypress
	FIR (Subalpine)
Bp	Balsam Fir
Bn	Noble Fir
Bm	Shasta Red Fir
Bc	Grand Fir
	LARCH
Lk	Japanese Larch
Lt	Tamarack Larch
	MAPLE
Mp	Norway Maple
Mr	Red Maple
Ms	Sycamore Maple
	OAK
Oa	English Oak
Or	White Oak
Oc	Chinkapin (CHIQ)
	OTHER EXOTICS
Zc	Chestnut
Zf	Giant Sequoia
Cr	Giant Redwood
Ca	Incense Cedar (Calo)
Ce	Siberian Elm (pumilus)
Cp	Common Pear
Ch	Horse Chestnut
Oh	Holly species
Ot	Other Exotic Hardwoods
Oi	Tree of Heaven
Oj	Japanese Walnut (Hnd)
Pm	Monterey Pine
Pn	Austrian Pine
Ps	Scots Pine
	SPRUCE
Sn	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	141-250
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)
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 in the measurement system referenced at BC's place of origin, the Imperial system. Site Index is a measure of site quality, leading species. When an accurate SI cannot be determined 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 harvested stands, or SI is not a reliable measure of site productivity. Associated fields in the data base are Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (lbc / v and l in d+v):

NON-TREED SHRUB
- sh - shrub with average shrub height < or = to two metres.
- a SHRUB (CWH) - shrub with average shrub height > two metres.

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

NON-TREED ARFOGS
- bryoid with no distinction between moss and lichens by cover.
- bryoid with moss > 50% of the bryoid cover.
- bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED
- el Exposed Land
- rock Rock Outcrop
- snow / ice

NON-VEGETATED CATEGORIES (lbc / v and l in d+v):

ac ACCUM	ds DRAINED PIT	mu MUDFLAT SEDIMENT	rm RESERVOIR MARGIN		
ar ARROW	ea EMPTY AIR	pm PUBLIC MINE SPOILS	rs RAILWAY SURFACE		
b BLOCKFIELD	ll LAVA BED	oc OCEAN	rv RIVER SEMENTS		
bl BLUFF	pd POND	ow OPEN WATER	sc SCALD SURFACE		
bs BURNED LANDS	pl POND or LAKE SEDIMENTS	sh SHORE COVER	t TALUS		
cl CUTBANK	rc OPEN PIT MINE	st RESERVOIR	ta TAILINGS		
cr CUT & FILL SLOPES	rm MORAINE	tl TIDAL LAKE	u URBAN		
d DUNES					

Note: Water categories (ocean, ocean, etc) are labeled over the present coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (lbc / v and l in d+v):

A	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON-PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CLIFF	NPCL	NON-PRODUCTIVE CLIFF	U	URBAN
CL	CLAY BANK	NPF	NON-PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NO TITHING AVAILABLE	NC	NON COMMERCIAL
I	ICE/SNOW	R	ROCK	NF	NON FORESTED / BUSH
KB	ICEFIELD	F	WATERFALL	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUDFLAT	S	SNOWY	NTA	NO TITHING AVAILABLE

Line 6 - Disturbance History

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

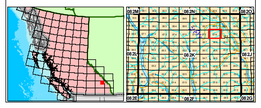
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mine Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

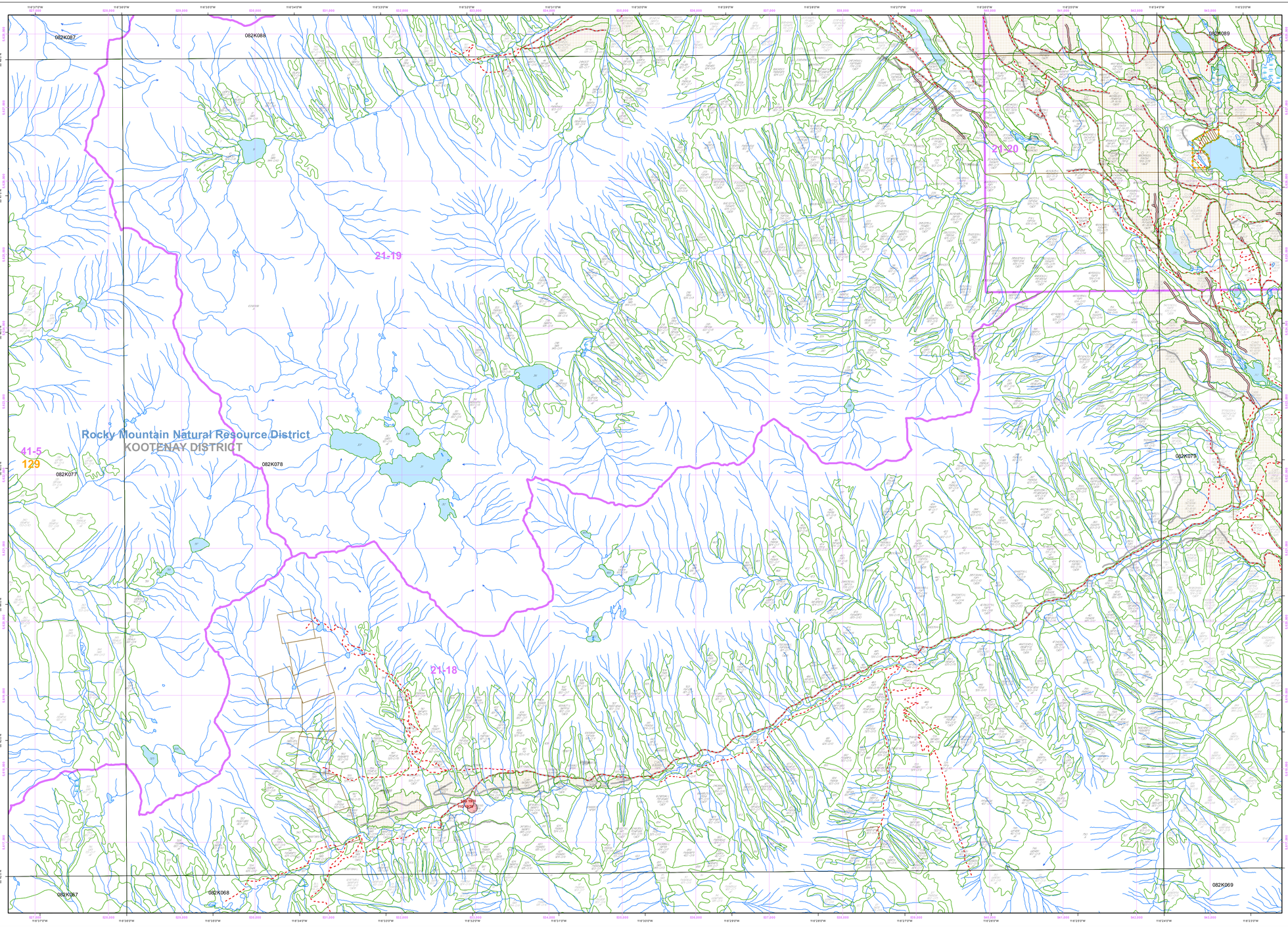
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The Mapview example is of thinned FREE SUTS data.

The Ministry of Forests, Mines and Lands web application "Mapview" is used to view and query spatial information. Select the ESA/SILVICULTURE sub-theme click on "Display Silviculture Map" to turn on display values for:

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





Overflow Labels