Vegetation Map
082J003

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 in the digital database may not meet all cartographic standards. Administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revised to June 2014)

Labels Projected To: January 1, 2018

MAP SYMBOLOGY

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

TRIM - Base Features:
- Multi Lane Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airstrips
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolines/Rivers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RY 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 / 1% % km²)
- Municipal boundary (1:1,000,000 Ha / km² km²)
- 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
ex. the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock)
4 Age, Height, Crown Closure Class Code - separator: 5 Site Index / estimated SI
ex. 5 - 61-80 years / 3 - 16.1-19.0 metres / 4 - 26-30% / 5 - 4.1-7.0 metres / 6 - crown closure class 1 (6-10%)), SI=20m
6 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex. a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History (Layer) - ex: Logged in 1978

Line 1 - History Record Opening Number
- opening number valid for BCGS mapsheet
- 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 "The B.C. Ministry of Forests Tree Code List" version 4.5 dated January 2009.

NATIVE CONIFERS

Cw	Western Red Cedar
Y	CYPRESS
Ep	Pacific Yew
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Fb	FIR (Subalpin)
Bg	Grand Fir
Bl	Grand Fir / Subalpi
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sawtooth Juniper
Lw	LARCH
La	Alpine Larch
Lt	Tamarack
Lwa	Western Larch
PINE	
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (Interior)
Plc	Lodgepole Pine (Coastal)
Pp	Ponderosa Pine (yellow)
Pw	White Pine
Pw	Western White Pine
Pwa	Whitebark Pine
SPRUCE	
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxw	Hybrid Spruce
Sxe	Cypress x White
Sxl	Sitka x White
Sxw	White x Unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	Arbutus
Dr	Broadleaf
E	APPLE
At	ASPEN, Cwh Hybrid
Ac	ASPEN, COTTONWOOD or POPLAR
Ax	Poplar
Ax	Poplar Hybrid
Ae	Black Cottonwood
Ax	Hybrid Poplars
Ep	Trembling Aspen
B	BIRCH
E	BIRCH
Ew	Paper Birch
Ewx	Alaska x Paper Birch hybrid
Ey	Paper Birch (white)
Ey	Paper Birch
K	ASCIDIAN
Kr	Cascara
Kv	Vine Maple
Ue	Elder Cherry
Uc	Choke Cherry
Um	Pin Cherry
G	OAK
Gs	Pacific Dogwood (western flowering)
Gw	Garry Oak
Hx	Hybrid/Maple (bradleaf)
Mv	Vine Maple
O	ALDER
Dc	Dens Oak
Ra	Red Alder
Rb	Black Willow
Rc	Coast Willow
Rw	Peachleaf Willow (Interior)
Rw	Pussy Willow (grey leaved)
Rx	Hybrid Willow
Sw	Sitka Willow (low shrub)

UNKNOWN - OTHER

ZZ	UNKNOWN
Xc	unknown conifer
Xd	unknown deciduous
Xh	UNKNOWN (Hardwood Sp)
Zh	other hardwood
Zs	other softwood

EXOTICS

Ax	Poplar
Ac	ASPEN, COTTONWOOD or POPLAR
Ae	Black Cottonwood
Bx	European Birch
Bxw	Hybrid Birch (white)
Ex	Yellow Birch
Hx	CHERRY
Hx	Hybrid Cherry
Yc	CYPRESS
Yn	Nootka Cypress
Cw	RW (Eastern)
Pa	Austrian Pine
Pc	Corsican Pine
Px	Hybrid Pine
Pm	Monterey Pine
Ss	Scots Pine
Lx	Hybrid Larch
Lk	Siberian Larch
MAPLE	
Mx	Hybrid Maple
Mr	Red Maple
Mx	Sycamore Maple
OAK	
Qr	English Oak
Qx	Hybrid Oak
OTHER DECIDUS	
Dc	Common Beech
Dy	Hard Deciduous
Dx	Soft Deciduous
Dr	European Mountain Ash
Dm	Common Mountain Ash
Dg	Dogwood
Dg	Oregon Ash
Dx	Hybrid Ash
D	Strawberry Hickory
Dj	Tree of Heaven
Dw	Japanese Walnut
PINE	
Px	Hybrid Pine
Pp	Ponderosa Pine
Pp	Royal Pine
SPRUCE	
Sx	Hybrid 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 - 4.0
2	4.1 - 10.5
3	10.6 - 19.5
4	19.6 - 28.4
5	28.5 - 37.4
6	37.5 - 48.4
7	48.5 - 55.4
8	55.5 - 64.4
9	65.5 +

4c. CROWN CLOSURE CLASS

CODE	LIMITS (percentage)
1	0 - 5
2	6 - 10
3	11 - 25
4	26 - 40
5	41 - 60
6	61 - 80
7	81 - 95
8	96 - 100

4d SITE INDEX
All SI curves in the vegetation resource inventory at 50 years Breast Height Age. SI is based on the age and height of the dominant and co-dominant trees (the oldest trees by species, age and height) estimated for a stand unit, or subarea like SI.

4e. ESTIMATED SITE INDEX
SI estimated from ecological SI by area and present e.g. young stands (<30yrs). It is denoted by a slash which always precedes the estimated SI value. Ex. /20 indicates a site series Type Group and SI estimated as one stand.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (1st-V and Layer-n)

NON-TREED SHRUB
- s SHRUBLAND — shrub with average shrub height 1 or > to 2m metres.
- d 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 > 80% of the herb cover.
- hg HERB - GRAMINOIDS — herb with graminoids > 80% of the herb cover.

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

NON-VEGETATED CATEGORIES (1st-V and Layer-n)
- w AIRPORT
- c CLEARCUT
- e ECOLOGICAL
- w INDUSTRIAL
- w RESERVOIR
- u SETTLEMENT AREA
- u SUBURBAN
- u URBAN
- g QUARRY
- g SAND, PIT
- g GRAVEL
- s LAKE
- s LAKE AND LAKE SEDIMENTS
- s OPEN WATER
- s RIVER
- my MUDFLAT SEDIMENT
- my MUDFLAT SEDIMENTS
- r ROCK
- r ROCK OUTCROP
- r SNOW COVER
- r SNOW/ICE
- r TALUS
- r GLACIER
- r GRAVEL OUTWASH
- rm RESERVOIR MARGIN
- rm RIVER SEDIMENT
- rm RIVER SEDIMENTS
- rm SHORELINE/BEACH
- r TALUS
- r GLACIER
- r GRAVEL

Note: Water categories (s, rm, r) not labelled over 80 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (1st-V record)
- A ALPINE
- C FOREST - Species
- CC CLEARCUT
- CL CLAY BANK
- CR CREVICED
- GRASS
- ICE ICEFIELD
- L LAKE
- MAS MOSTLY ROCK
- MF NON-PRODUCTIVE
- MFC NON-PRODUCTIVE BRUSH
- MFBG NON-PRODUCTIVE BURN
- MFF NON-PRODUCTIVE FOREST Species
- MFG NON-PRODUCTIVE GRASS
- OPEN GRASS
- P HAYFIELD
- R ROCK
- SNOW SNOW

SAND SAND
SC SCRUB / BRUSH
U URBAN
MC NON-COMMERCIAL
NCBR NON-COMMERCIAL BRUSH
NP NON-PRODUCTIVE
NSR NOT SATISFACTORILY RESTOCKED
NTA NOT TYPING AVAILABLE

Line 6 - Disturbance History

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

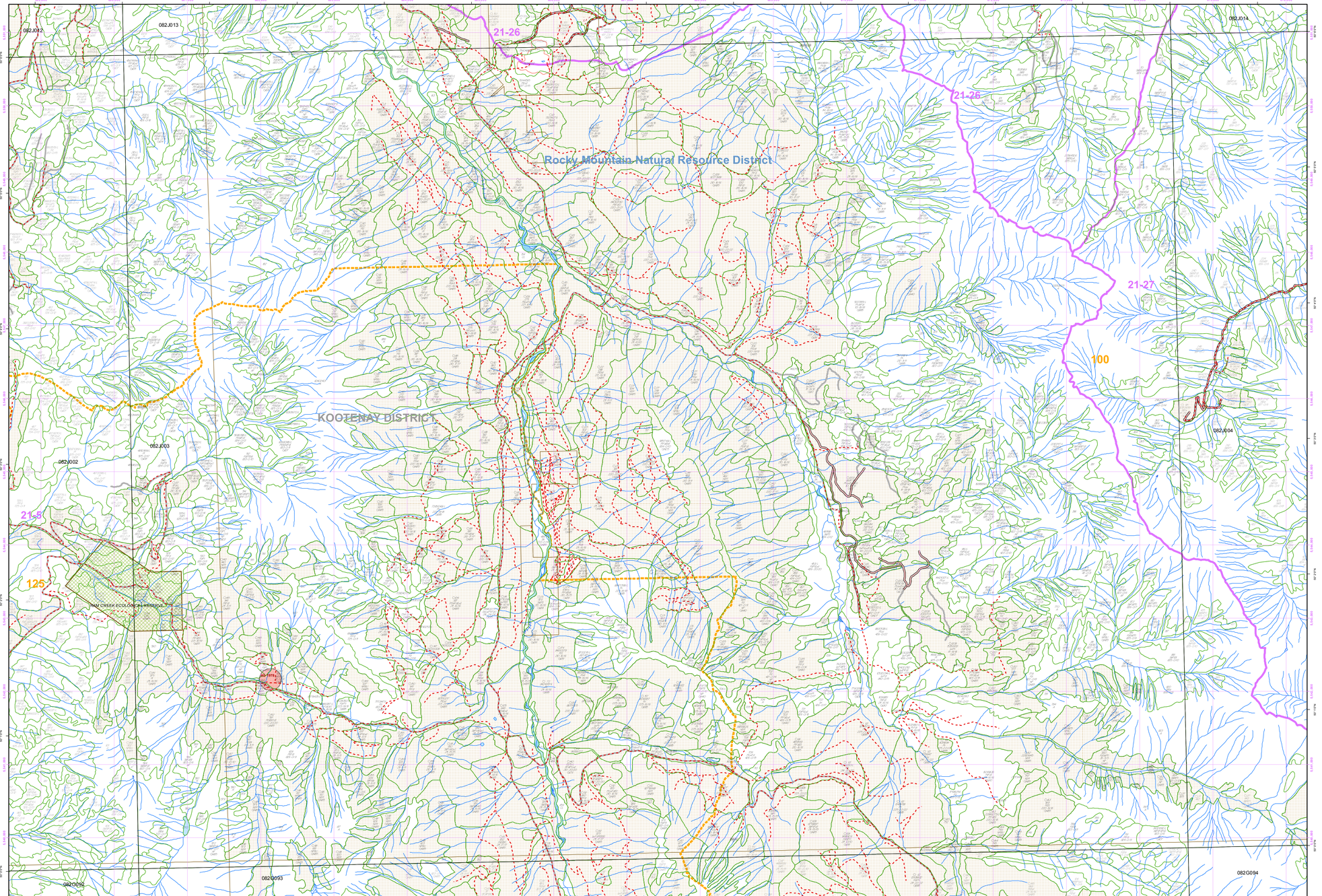
- A Animal Damage
- B Wildfire
- C Crime and Seed Insects
- D Diseases
- H Insects
- L Logging
- M Mite Damage
- N Non-Biological Injuries
- P Core and Seedling Fungal Pathogens
- S Site Preparation
- T Treatment Injuries
- U Damage Unknown
- V Problem Vegetation

Example Opening History Details

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

The Ministry of Forests, Mines and Lands web application MAPHAZ is available to view this type of detailed information. Set the SILVICULTURE tab then click on "Display Silviculture Map". Its turn on display values for:

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



Overflow Labels