082M097

Vegetation Map
082M097

Scale 1:20,000

0 0.25 0.5 0.75 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 displayed on this map is compiled from various data capture, administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend updated June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture Opening, in Vegetation
- Permanent Sample Plot (CFS)
- 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
- Hydrkndfeatures - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO 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 - Terrains
- Municipal boundary (< 1:500,000 ha - 15 % twitch)
- Municipal boundary (< 1:500,000 ha< - no twitch)
- 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 layers described as Fd (Douglas Fir) and Hw (Western Hemlock).
4. Age Class, Height Class, Crown Closure Class (for Forested Polygons)
ex: stand is age class 2 (21-40 yrs), height class 1 (0-10.4m), crown closure class 1 (6-10%). SI 20m
5. 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 & year - ex: Logged in 1978

CLE
2072
FdHw
2C1
Nat
OLW

Line 1 - History Record Cpoing Number

nnnn - opening number valid for BCGS mapsheet 0nnn - 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 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
Lw	Western Larch
F	DOUGLAS FIR
Fd	Douglas Fir
Fdi	Interior Douglas Fir
Fdc	Inland Douglas Fir
B	FIR (Balsam)
Bl	Subalpine Fir
Bg	Grand Fir
B	Subalpine Fir (Alpine)
Hw	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hx	Hybrid Western Hemlock-Yellow
J	JUNIPER
J	Rocky Mtn. Juniper
J	Juniper (unspr)
L	LARCH
La	Alpine Larch
Lw	Western Larch
P	PINE
Pl	Lodge Pole
Pli	Lodgepole Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole x Jack Pine hybrid
Pj	Jack Pine (north)
Pa	Shore Pine (coast)
Pw	Western White Pine
Pyc	Ponderosa Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Se	White Spruce
Sxe	Engelmann x White
Sxl	Sitka x White
Sx	White x unknown hybrid
Ss	White
Tw	Western Yew

NATIVE HARDWOODS

D	DECIDUOUS
Ep	Red Alder
U	APPLE
Ax	Pacific Crab-Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
Act	Black Cottonwood
Ax	hybrid Poplars
Ep	Paper Birch
A	ARBUTUS
Ab	Arbutus
Ep	Birch
Epa	Alaska Paper Birch
Epp	Alaska x Paper Birch hybrid
Epk	Kenai Birch (white)
E	Alder Birch
K	OAK/ARA
Kc	Oaks/a
V	CHERRY
Vs	Bitter Cherry
Vt	Choke Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
H	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Eardley's)
Wd	Pussy Willow (gray-leaved)
Wh	Hooker's Willow
Wl	Sitka Willow (hackberry)

EXOTICS

Ux	UNKNOWN
Ax	Apple
At	ASPEN, COTTONWOOD or POPLAR
Act	Black Cottonwood
Ep	BIRCH
Be	European Birch
Bp	Paper Birch (Swedish)
Ey	Yellow Birch
E	ALDER
Vp	Pin Cherry
Y	CYPRESS
Yp	Pond (Short) Cedar
Yl	Lawson's
F	DOUGLAS FIR
Fg	Douglas Fir
Fgc	Coastal Douglas Fir
L	LARCH
Lk	Siberian Larch
Lt	Tamarack Larch
M	MAPLE
Mr	Red Maple
Ms	Silver Maple
Mk	Sycamore Maple
Oak	OAK
Oe	English Oak
Or	Red Oak
	OTHER EXOTICS
Ce	Incense Cedar
Cn	Norway Maple
Cr	Coast Redwood
Cd	European Mountain Ash
Cs	Scots Mountain Ash
Cr	Common Pear
Cg	Dragon Ash
Ch	Horse Chestnut
Cl	Goldspots Hickory
Cj	Tree of Heaven
Cw	European Walnut
Hill	
Pw	Weymouth Pine
Pn	Austrian Pine
Ps	Scots Pine
S	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

Site index is the expected mature referenced at 50 years Breast Height Age. SI is based on the age and height of the leading species. When an accurate SI cannot be obtained from age and height estimated SI is shown either in square like SI or

4e. ESTIMATED SITE INDEX

SI is a subclass which indicates the general amount present, e.g. young stands (<50yrs), is the easiest by a visual 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 V and L records)

s	SHRUB - ALL
st	SHRUB TALL
sl	SHRUB LOW

- shrub with average shrub height > or = to two metres.
- shrub with average shrub height < two metres.

NON-TREED HERB

he	HERB
hf	HERB - FORBS
hg	HERB - GRAMINOIDS

- herb with no distinction between forbs and graminoids.
- herb with forbs > 50% of herb cover.
- herb with graminoids > 50% of herb cover.

NON-TREED BRYOID

by	BRYOIDS
bm	BRYOID - MOSS
bl	BRYOID - LICHEN

- bryoid with no distinction between mosses and lichens by cover.
- bryoid with mosses, liverwrts, and hornwarts > 50% of the bryoid cover.
- bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and L records)

ap	AIRPORT	gl	GRAVEL PIT
bs	BEACH	la	LAKE
bl	BLOCKFIELD	lk	LAKEBED
cl	CLIFF/BANK	lm	LAKE/MUD
cu	CULTIVATED AREA	ls	POND or LAKE SEDIMENTS
cu	CUTBANK	mi	OPEN PIT MINE
ds	DEBRIS/TALUS	mw	MORAINE
gl	GLACIER	mu	MUDFLAT SEDIMENT
		ru	RUBBLY MINE SPOILS
		sa	SAND
		sl	OTHER
		sn	SNOW COVER
		sp	RIVERPOINT
		st	STREAM/RIVER
		rm	RESERVOIR MARGIN
		rw	RAILWAY SURFACE
		rs	ROAD SEDIMENTS
		rp	ROAD SURFACE
		tz	TALUS
		ta	TAILINGS
		u	URBAN

Note: Water categories (la, ls, rs, rv) not labelled over 50 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Spaces)	NPBR	NON PRODUCTIVE BRUSH
B	BARE SOIL	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Spaces)
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
IC	ICEFIELD	OW	OPEN WATER
ICE	ICEFIELD	P	HAYFIELD
M	MEADOW	R	ROCK
MUD	MUDFLAT	S	SWAMP

SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NF	NON PRODUCTIVE		
NSR	NOT SUFFICIENTLY RESTOCKED		
NTA	NO TYPING AVAILABLE		

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.

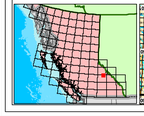
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects	R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

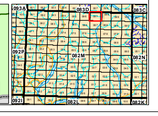
Example Opening History Details

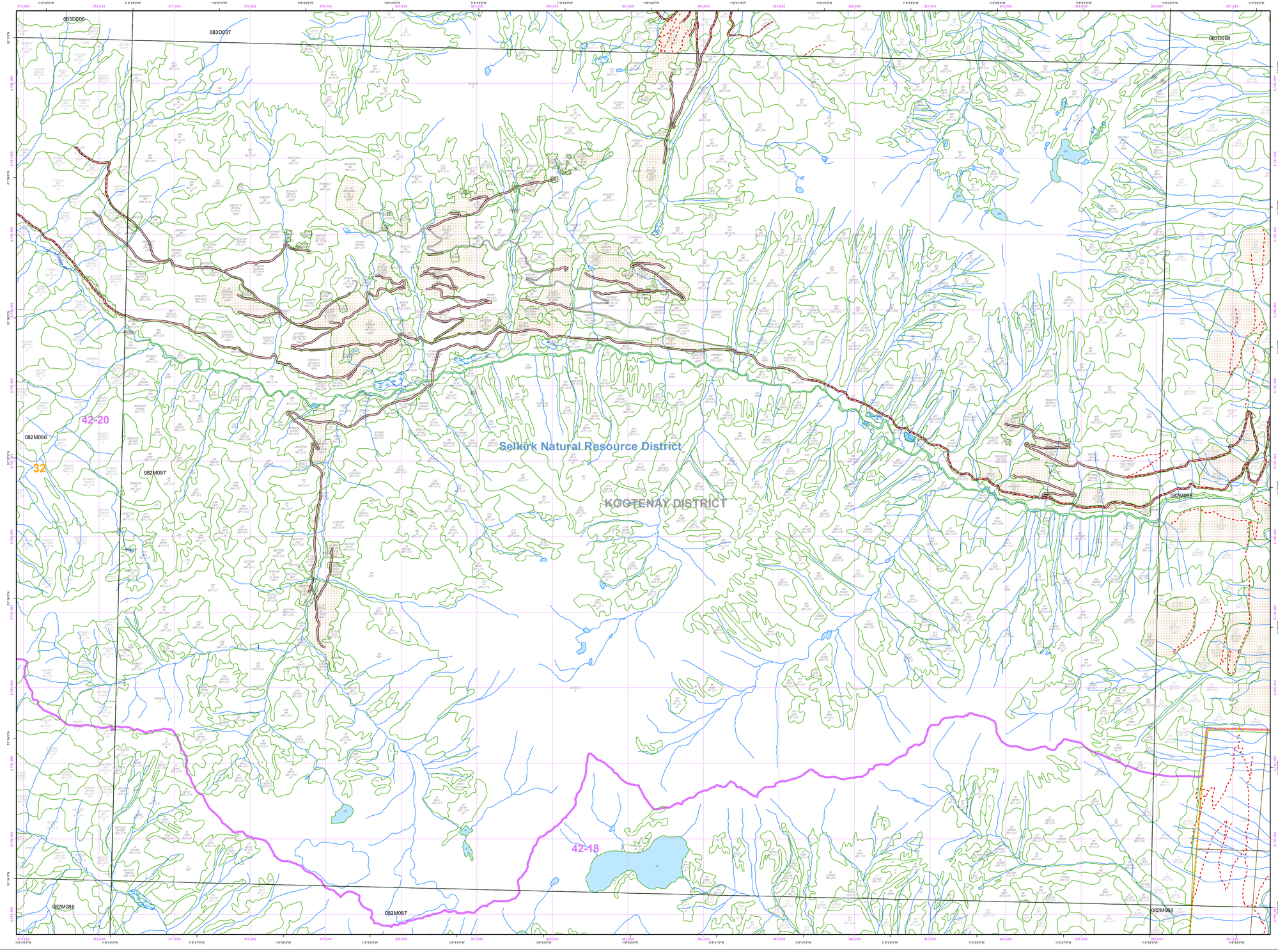
Detailed Silviculture information is available on the BCGW
in the VEG_COMP_LYR_R1_POLY. The Map View example is
of Harvest RESULTS data.

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

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







Overflow Labels

082M097

082M097