082N087

Vegetation Map
082N087

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRMS's: Ownership
Base Map Source: TRIM / Partners

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 portrayed may not be complete and up to date Cadastral, administrative boundaries and the Owner ship colour the me are for reference purposes only. (Legend revisions June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM, Base Feature s:
- 4x4 Trail Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airstrips
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroelectric Dams - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- NVI 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 (> 1,000,000 ha - 15% hatch)
- Municipal boundary (< 1,000,000 ha) - no hatch)
- 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:

02 E34 Fd*Hw 28 20 Mod 078

LINE DESCRIPTION
1. Polygon Number and Opening Number
2. Polygon Number and multi-layer stand indicator (L)
3. Species Composition
   ex. the most important layer is described as Fd (Douglk Fir) and Hw (Western Hemlock).
4. Age, Height, Crown Closure Class Code - separator. Site Index / estimated SI
   ex. stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (<8-15%), SI 20m
5. Vegetated Density Class (or Non-Forest/Productive Descriptor)
6. Soil Texture/Coarse Fragment Descriptor between forbs and graminoids, shrubs less that 2m.
7. Disturbance History & year - Logged in 1978

Line 1 - History Record Opening Number

02E - opening number valid for BCGS mapsheet *XXX* - 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
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	BALSAM
Bl	Alpine Fir
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hw	Western Hemlock
Hm	Mountain Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Lw	Western Larch
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole x Pine Pine hybrid
Pyl	Ponderosa Pine (yellow)
Pw	Stone Pine (exotic)
Pw	Western White Pine
Pxj	Jack/Lodgepole Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sxs	Sitka x White
Sxw	Engelmann x White
Sxl	Sitka x White
Sxw	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	DECIDUOUS
D	Red Alder
U	APPLE
Ax	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Act	Black Cottonwood
Ad	Trembling Aspen
Ah	Hybrid Poplars
Ak	Alaska Paper Birch
Ekp	Kenai x Paper Birch hybrid
Ew	Water Birch (exotic)
Ew	Water Birch
K	CASCARA
E	DOGWOOD
Em	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wx	Peach/leaf Willow (Bebb's/x)
Wwl	Pussy Willow (grey leaved)
Wy	Pussy Willow
Wt	Sitka Willow (tree-leaved)

UNKNOWN - OTHER

x	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ue	Alnus
	ASPEN, COTTONWOOD or POPLAR
Act	Balsam Gilfoverleaf
	Poplar
Ek	European Birch
Ep	Silver Birch (swamp)
Ey	*Yellow Birch
	BIRCH
Vc	Sweet Cherry
	CHERRY
Yo	*Oriental Cedar
	FIR (Balsam)
Bb	*Balsam Fir
Bn	Noble Fir
Bp	*Pacific Silver Fir
Bs	*White Fir
	LARCH
Ld	European Larch
Ld	*Siberian Larch
	MAPLE
Mr	Red Maple
Ms	*Norway Maple
Mt	*Sycamore Maple
	OAK
Qc	*English Oak
Qw	*White Oak
	OTHER EXOTICS
Dx	*Incense Cedar
Ox	*Giant Sequoia
Ox	*Coast Redwood
Dd	European Mountain Ash
Dm	Mountain Ash (exotic)
Of	Common Pear
Qg	Oregon Ash
Qr	Red Oak
Qr	*Roughbark Hickory
Oj	Tree-of-heaven
Ow	*Japanese Walnut
	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Ps	*Sugar 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 Site Indices are the nearest metric referenced at 50 years Breast Height Age. SI is based on the age and height of the leading species. Where an accurate SI cannot be obtained from age and height, estimated SI is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees cannot present, e.g. young stands (<30yrs). It is denoted by a slash 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 I records)

NON-TREED SHRUB

s	SHRUB - shrub with average shrub height>1m or < to two metres.
sl	SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB

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

NON-TREED BRYOID

by	BRYOID - bryoid with no distinction between mosses and lichens by cover.
bm	BRYOID - MOSS - bryoid with mosses, liverworts, 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 records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
b	BARREN	l	LANDING	mv	MUNICIPAL WASTE SPOILS
bk	BLOCKFIELD	ls	LANDSLIDE	oc	OCEAN
br	BEDROCK	li	LANDING	rl	OTHER
cb	CUTBANK AREA	ld	LOAD AT LAKE SEDIMENTS	rc	RIVER COVER
cu	CUTBANK	m	MORAINE	rr	RESERVOIR
es	EXPOSED SOILS	mn	MORAINE	r	RIVER / STREAM
gl	GLACIER				

rm	RESERVOIR MARGIN
rs	RESERVOIR SEDIMENTS
rs	RIVER SEDIMENTS
rd	ROAD SURFACE
t	TALUS
t	TAILINGS
ur	URBAN

Note: Water categories (ie, oc, rr, rc) indicated over 40 percent coverage.

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

A	ALPINE	NP	NON-PRODUCTIVE
AT	ALPINE TUNDRA (Species	NPBR	NON-PRODUCTIVE BRUSH
BY	BRYOID	NPH	NON-PRODUCTIVE HERB
CL	CLAY BANK	NPF	NON-PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
GC	GRAVEL PIT	O	OTHER (Specify)
ICE	ICEFIELD	P	HAYFIELD
M	MEADOW	R	ROCK
MUD	MUDFLAT	S	SWAMP

SAND	SAND
TIDE	TIDAL FLAT
U	URBAN
	PRODUCTIVE
NC	NON COMMERCIAL
NF	NON FORESTED BRUSH
NP	NON-PRODUCTIVE
NSR	NOT SUFFICIENTLY RESTOCKED
NTA	NO TYPING AVAILABLES

Line 6 - Disturbance History

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

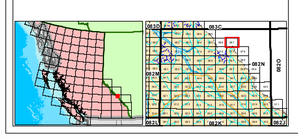
A	Animal Damage	L	Logging
B	Burn	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects	R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Undetermin
		V	Problem Vegetation

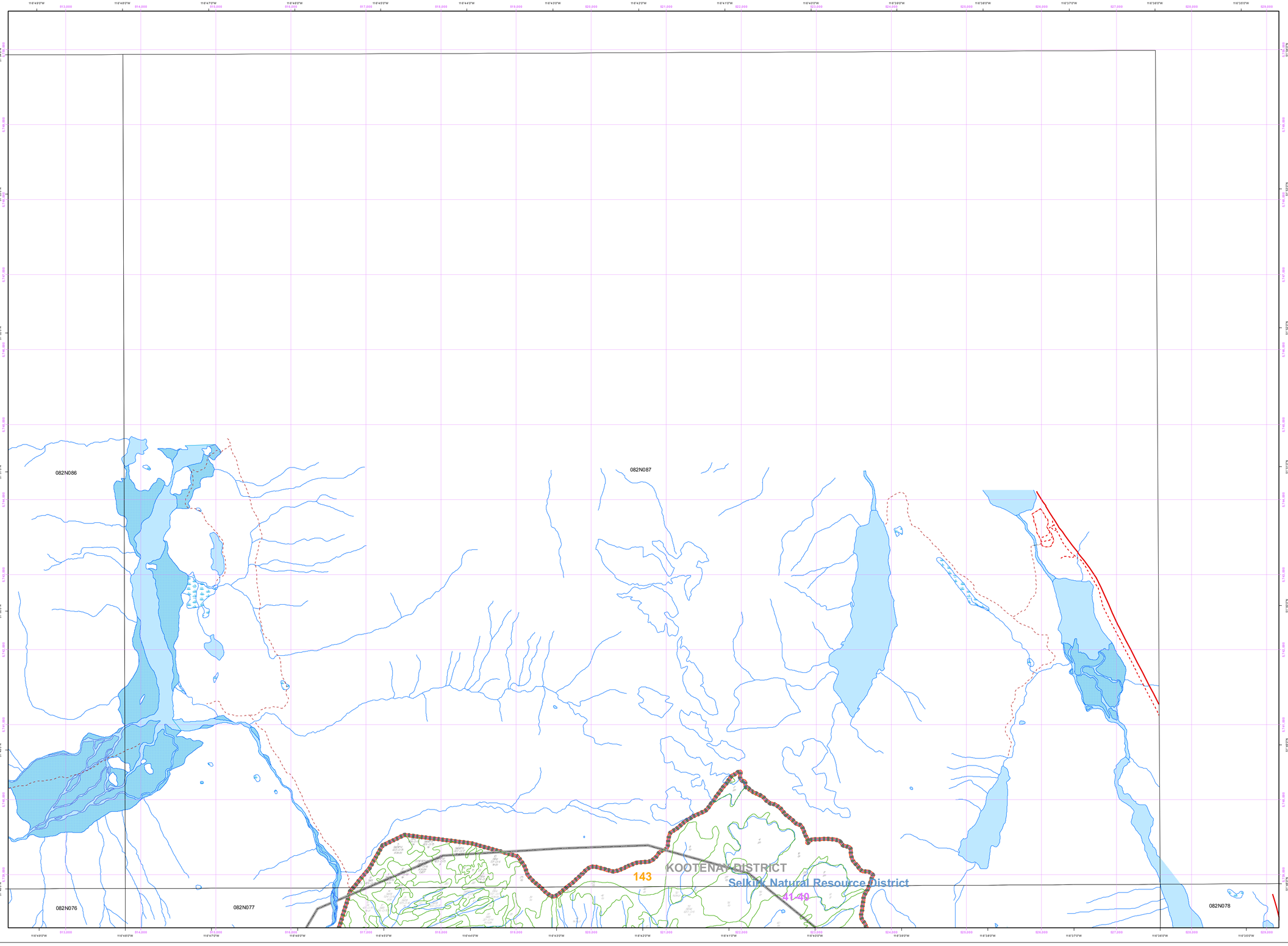
Example Opening History Details

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

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 Map" to turn on display values for -

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





Overflow Labels

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