082M039

Vegetation Map
082M039

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 / Tantalis

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to meet the information requirements 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 Ownership colour theme are for reference purposes only. (Legend revisions June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM - Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- 4x4 Tracks
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrkl/Intermit - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

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 - 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:

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OC    LINE DESCRIPTION
0001  1 Silviculture symbol and Opening Number
FD1   2 Polygon Number and multi-layer stand indicator (L)
FdHw  3 Species Composition
8M 20   ex. the most important layer is described as Fd (Douglk Fir) and Hw (Western Hemlock).
0017  4 Age, Height, Crown Closure Class Code - separator - Site Index ( estimated SI)
0078  ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10 mrs), crown closure class 1 (6-15%.), 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
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Line 1 - History Record /Cpoing Number

OC01 - opening number valid for BCGS mapsheet 0001 - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

XXXX 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

AT	YEW
Cw	Western Red Cedar
Y	CYPRESS
C	Yellow Cedar
F	DOUGLAS FIR
Fd	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Hybrid Western x Western Hemlock
J	JUNIPER
Jr	Rocky Mtn Juniper
Js	Sweside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Plx	Hybridized Pine x Pine
Pfg	Shore Pine (coastal)
Pw	Western White Pine
Pa	Whitebark Pine
Pxj	Hybrid Pine
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	White Sx Hybrid
Sz	Sx x Sb Hybrid
Sxs	Sitka x White
Sxs	Sitka x unknown hybrid
Ss	Sitka Spruce
Yc	Western Yew

NATIVE HARDWOODS

D	DECIDUOUS
Dr	Red Alder
U	APPLE
Ue	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Ac	Balsam Poplar
Act	Black Cottonwood
Ax	Hybrid Poplars
Ae	Trembling Aspen
E	BIRCH
Ep	Alaska Paper Birch
Epg	Alaska x Paper Birch hybrid
Ey	Paper Birch (white)
Ew	Water Birch
C	CASCARA
Kc	Cascara
K	CHERRY
Vs	Bitter Cherry
Vc	Choke Cherry
Vm	Pin Cherry
G	HORNBEAM
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Or	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wpd	Pacific Willow (Dadey's)
Wsf	Feltleaf Willow (grey leaved)
Ws	Sitka/Hb Willow
Wy	Yellow (Scouler's) Willow
X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xl	unknown (broadleaf or tall)
Xo	other conifer
Zh	other hardwood

EXOTICS

Ue	Apple
	ASPEN, COTTONWOOD or POPLAR
Act	Black Cottonwood
	BIRCH
Ea	European Birch
Ey	Paper Birch (swamp)
Ep	Alaska Birch
Ew	Water Birch
Ys	Sweet Cherry
Yu	Bird Cherry
	*"Pond Orford Cedar
	FIR (Balsam)
Bb	Noble Fir
Bn	Nordor Fir
Bm	*Shasta Red Fir
Bp	Silver Fir
	LARCH
Ld	*Dahurian Larch
Ld	European Larch
	MAPLE
Mk	Box Elder
Mr	Red Maple
Mp	*Sycamore Maple
	OAK
Qg	English Oak
Qm	*White Oak
	OTHER EXOTICS
Ou	*Siberian Elm
Oc	*Grey Alder
Oi	*Giant Redwood
Oe	European Mountain Ash
Os	Siberian Elm (southern)
Ot	*Tree of Heaven
Oq	Oregon Ash
Oh	*White Ash
Ow	*Black Walnut / Hickory
Oj	Tree of Heaven
Oh	Japanese Walnut
	PINE
Pp	*Monterey Pine
Pr	*Red 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)
1	6 - 10
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

SI is estimated at the nearest meta reference 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 measurements, whether, or because the stand is young stands (<10yrs), it is denoted by a slash which always precedes it. Associated fields in the data base are inventory type (incas and BEC) estimated site index.

4e. ESTIMATED SITE INDEX

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (1st Y and 2nd words)

NON-TREED SHRUB
- s SHRUB TALL - shrub with average shrub height > or = to two metres.
- w 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 herb cover.
- hg HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- by BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverworts, and hornwarts > 50% of the bryoid cover.
- bl BRYOID - LICHEN - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (3rd Y and 4th words)

ap	AIRPORT	b	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	lk	LAKE	ro	RUBBLY MINE SPOILS
bl	BLOCKFIELD	la	LAVA BED	w	OCEAN
bu	BUILDING	lm	MARSH	p	PONDS
bx	BURNED AREA	lp	POND or LAKE SEDIMENTS	pr	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	R	RESERVOIR
gl	GLACIERS	mn	MORAINE	s	SEDIMENT STREAM

Note: Water categories (a, ou, m, r) not studied at this level of coverage.

rm	RESERVOIR MARGIN
rs	RAILWAY SURFACE
s	RIVER SEDIMENTS
ss	SALT WATER
t	TALUS
ts	TAILINGS
u	URBAN

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for 1st record)

AF	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON-PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
BE	BEACH	NPF	NON-PRODUCTIVE FOREST	U	URBAN
CL	CLAY BANK	NPF	NON-PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NOT/TYPING/AVAILABLE	NC	NON COMMERCIAL
GL	GLACIER/ICE	OB	OPEN BANKS	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	OF	OPENFIELD	NP	NON-PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUDFLAT	S	SWAMP	NTA	NOT/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.

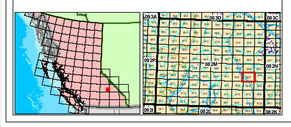
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Bird	M	Mite Damage	T	Treatment/ Injuries
C	Cone and Seed Insects	N	Non-Biological	U	Damage Unknown
D	Diseases	W	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

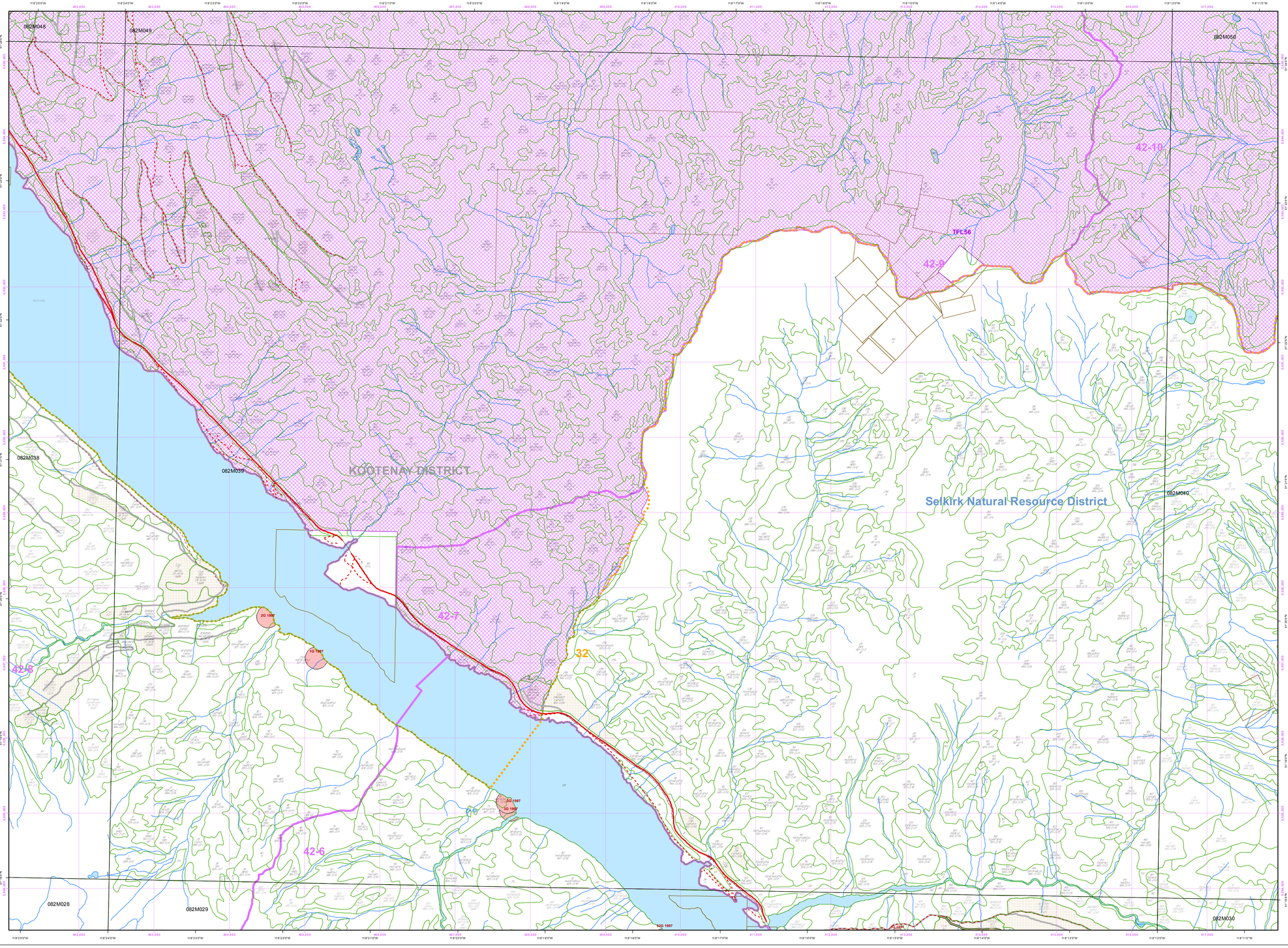
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of 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
- SILVICULTURE ACTIVITY
- ACTIVITY TREATMENT UNIT
- STANDARDS UNIT
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH





Overflow Labels