082J083

Vegetation Map
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Ministry of Forests, Lands and Natural Resource Operations

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 / Syntaks

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 Ownership colour theme are for reference purposes only. (Legend revisions June 2014)

Labels Projected To: January 1, 2014

MAP SYMBOLOGY

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

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

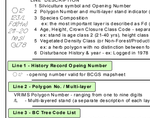
Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RV Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area-Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary (> 1:200,000 ha - 15 % hatch)
- Municipal boundary (< 1:200,000 ha) - no hatch)
- National Parks
- Pre1Nations
- 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. Opening Number (Cutblock 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 - Site Index / estimated SI
ex. stand is between 41 and 80 years old (age class 5 (41-80 yrs), crown closure class 1 (6-15%), SI 20m (site index class 2 (16.1 - 22.0 m) (Vegetation Resource Descriptor)
5. Disturbance History & year - ex: Logged in 1978



Line 1 - History Record Opening Number

'OP' - opening number valid for BCGS mapsheet *NEW* - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRMS Polygon Number - ranging from one to nine digits
A, - 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" revision 4.5 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Eastern)
Bg	Grand Fir
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Jc	Creeping 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)
Pxj	Ponderosa Pine (yellow)
Pa	Silver Pine (Lowland)
Pf	Whitebark Pine (Alpine)
Pw	Whitebark Pine
S	SPRUCE
Sa	Alaska Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce Hybrid
Sxe	Engelmann x White
Sxs	Sitka x White
Sxx	Sitka x Unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dm	Mountain Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Ac	Black Cottonwood
Ae	Trembling Aspen
Ax	Hybrid Poplars
Ag	Garry Oak Acorn
E	BIRCH
Ew	Alaska Paper Birch
Ep	Alaska Paper Birch hybrid
Ea	Paper Birch (white)
Ew	Water Birch
K	DOGWOOD
G	Cascara
Kp	Pacific Dogwood
M	MAPLE
Mb	Bigleaf Maple
Mv	Vine Maple
R	ROSE
Rg	Gorry Oak
W	WILLOW
Wp	Pacific Willow
Wg	Pacific Willow
Wy	Peachleaf Willow (Bardaby's)
Wr	Peachleaf Willow (Native Inland)
Wa	Scouler's Willow
Wil	Sitka Willow (lowland)

UNKNOWN - OTHER

X	UNKNOWN
Xh	unknown hardwood
Xn	unknown hardwood
Z	OTHER (tree not on list)
Zn	other conifer
Zh	other hardwood

EXOTICS

	APPLE
Ua	Apple
Ap	POPLAR, COTTONWOOD or POPLAR
Ad	- Southern Cottonwood
	BIRCH
Ek	European Birch
Ej	Japanese White Birch(Japanese)
Ey	- Yellow Birch
	CHERRY
Yo	- Sweet Cherry
	CYPRESS
Cn	Nootka Yellow Cedar
	FIR (Subalpine)
Fa	*Balsam Fir
Fb	*Alpine Fir
Fm	*Shasta Red Fir
Fw	*White Fir
	LARCH
Lk	*Dahurian Larch
Ld	*European Larch
	MAPLE
Me	Box Elder
Mr	*Norway Maple
Ms	*Sycamore Maple
	OAK
Qb	*British Oak
Qw	*White Oak
	OTHER EXOTICS
Ch	*Horse Chestnut
Oc	*Giant Sequoia
Ol	*Coast Redwood
Ob	*Monterey Cypress Ash
Os	Siberian Elm (southern)
Of	Common Pear
Ou	*Black Walnut
Ot	*White Ash
Oi	*Shagbark Hickory
Ob	*Butternut
Oj	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pp	*Ponderosa Pine
Pt	*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 - 48.4
6	48.5 - 54.4
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 to the nearest metre whenever at 50 years
Site Index Curves: Use the Site Index Curves for the Species being sampled. Where an accurate SI cannot be obtained from age and height, estimated SI is shown either, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aren't present, eg. Immature stands, Site Type 1 or 2 stands, or where the analysis provides 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 > or =to two metres.
- si - 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
- b - BRYOID - bryoid with no distinction between moses and lichens by cover.
- bm - BRYOID - MOSS - bryoid with mosses, liverwork, and hornwork > 50% of the bryoid cover.
- bl - BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for N and I records)

aa	AIRPORT	gp	GRAVEL PIT
ac	CLEARING	ic	ICEFIELD
br	ROCK/FIELD	la	LAVA BED
lk	BEDROCK	li	LANDING
mi	MINE - AREA	ls	LAKE SEDIMENTS
os	OUTWASH	op	OPEN PIT MINE
ee	EXPOSED SOILS	rm	MORAINE
gl	GLACIER		

mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
ow	OPEN WATER, MARINE EXCELS.	rp	RESERVOIR PERIMETER
ot	OCEAN	rs	RIVER SEDIMENTS
ol	OTHER	ur	ROAD SURFACE
rc	RESERVOIR COVER	sl	SLIDE
rr	RESERVOIR	tl	TALINGS
rs	RIVER / STREAM	ub	URBAN

Note: Water categories (ls, os, rs, rc) not labelled as to 90 percent coverage.

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

AF	AGRICULTURE FIELD	SAND	SAND
AP	AGRICULTURE PASTURE	TEC	TIDAL FLAT
C	CULTIVATED	U	URBAN
G	GRASSLAND		
GL	GRAVEL BAR	NC	NON COMMERCIAL
GR	GRAVEL PIT	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	NP	NON PRODUCTIVE
M	MEADOW	NSR	NOT SUFFICIENTLY RESTOCKED
ROR	ROCK OUTCROP	NTA	NOT TYPING AVAILABLE

Line 6 - Disturbance History

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

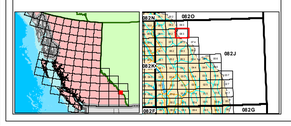
A	Animal Damage	L	Logging
B	Wildfire	M	Mote Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seeding Fungal Pathogens
I	Insects		
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

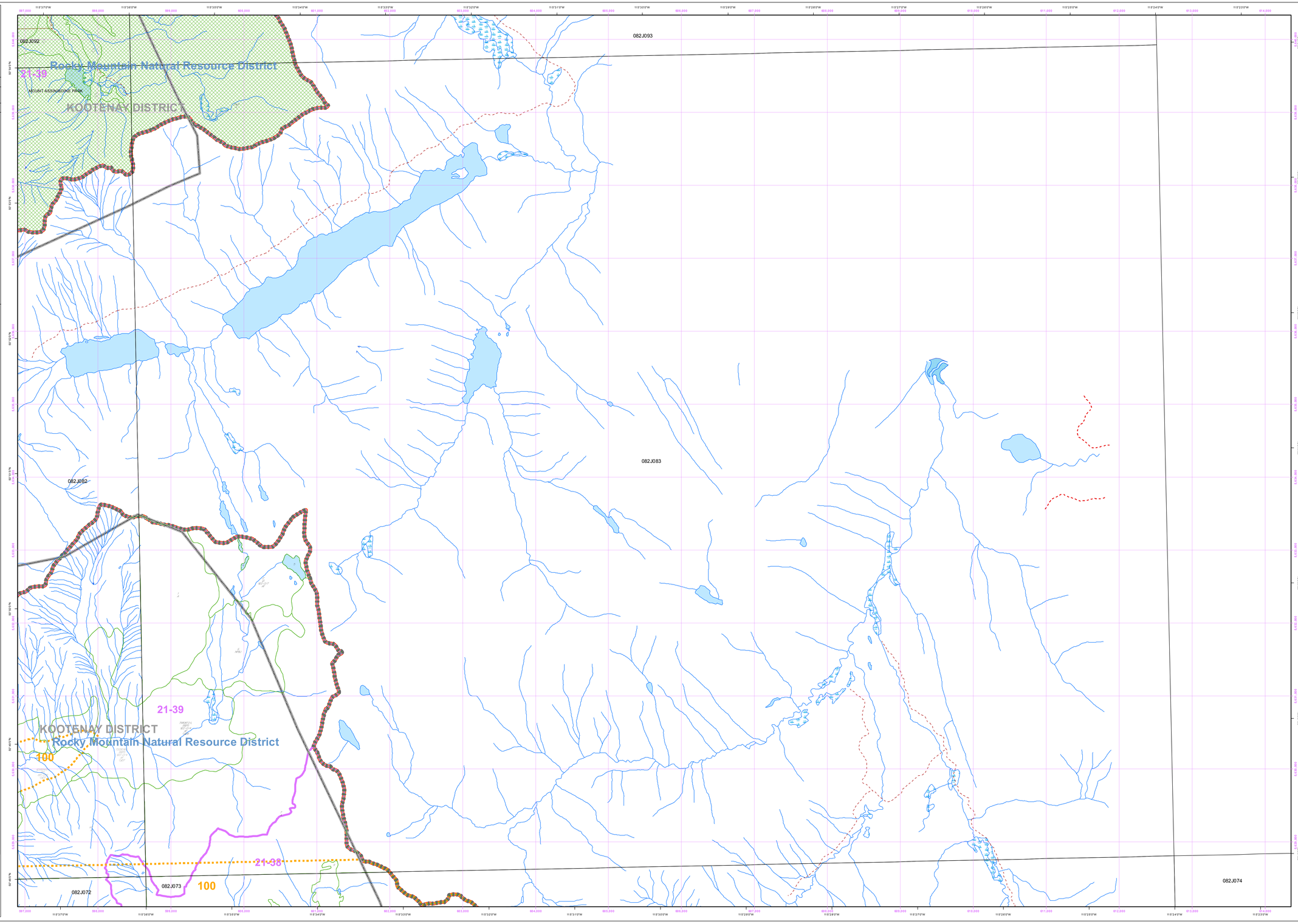
Example Opening History Details

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

The Ministry of Forests, Mines and Lands web application MAPYDS 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
STANDARDS UNIT
WILDLIFE TREE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

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