082G029

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
082G029

Scale: 1:20,000

1 Kilometers
0 0.25 0.5 0.75

0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRIMS / Ownership
Base Map Source: TRIM / Terrain5

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 revised to June 2014).

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture Opening or Vegetation
- Permanent Sample Plot (1/10)
- Research Installations

TRIM - Base Features:
- 4x Multi 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
- Hydrolines/Rivers - 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 - Tantalis
- Municipal boundary (> 1,000,000 ha) - (16 % 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:

0.2				
20.0				
6PC				
EP/Hw				
2M_HX				
Nat				
0478				

LINE DESCRIPTION
1. Silviculture symbol and Opening Number
2. Polygon Number and multi-layer stand indicator (L)
3. Species Composition
4. Age, Height, Crown/Closure Class Code - separator: Site Index / estimated SI
ex. stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4 m), crown closure class 5 (5-15%), SI 20m
5. Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex. a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
6. Disturbance History (if any) - ex. L logged in 1978

Line 1 - History Record Opening Number

- opening number valid for BCGS map sheet
- 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

E	ESSENTIAL
Ep	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
Ylo	Gould's Cypress
Fd	DOUGLAS-FIR
FdC	Coastal Douglas-Fir
FdI	Interior Douglas-Fir
Bg	GRAND FIR
Ba	Amabilis Fir
Bl	Grand Fir
Bp	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
C	JUNIPER
Cw	Common Juniper
J	Rocky Mtn Juniper
Js	Sitkalin 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)
Py	Ponderosa Pine (yellow)
Pa	Shore Pine (coast)
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Se	Engelmann Spruce
Sb	Englemann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce Hybrid
Sxw	Engelmann x White
Sxl	White x Lutz
Sxs	Sitka x Lutz/white hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dl	Sitka Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Abl	Balsam Poplar
Act	Black Cottonwood
Ap	Trembling Aspen
Ax	Hybrid Poplars
Af	Trembling Aspen
Ap	Balsam Poplar
Ab	Arbutus
E	BIRCH
Ep	Alaska Paper Birch
Epa	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ek	Kenai Birch
A	CASCARA
Ky	Cascara
Dw	DOGWOOD
Vs	Bitter Cherry
Vv	Choke Cherry
Vu	Pin Cherry
G	GOOSEBERRY
Gp	Pacific Gooseberry (western flowering)
Gr	Red Currant
Mb	Black Hawthorn
Mv	Vine Maple
M	MAPLE
Qg	Garry Oak
W	WILLOW
Wa	Pacific Willow
Wb	Peach Willow
Ww	Peachleaf Willow (Banks's)
Wp	Pacific Willow (Scouler's leaved)
Wa	Scouler's Willow
Wr	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xh	unknown hardwood
Xs	unknown hardwood
Z	OTHER (tree not on list)
Zc	crabapple
Zh	other hardwood

EXOTICS

	APPLE
Ua	Apple
Ux	VARIA, COTTONWOOD or POPLAR
Ax	"Southern Cottonwood
	BIRCH
Ej	European Birch
Ejs	Silver Birch (swamp)
Ey	"Yellow Birch
	CHERRY
Uy	Sweet Cherry
Yt	"Bird Cherry
	CYPRESS
Ycn	"Nootka Cypress
	DOUGLAS-FIR
Fdc	"Coastal Douglas-fir
	FIR (Balsam)
Bn	"Noble Fir
Bs	"Subalpine Fir
Bm	"Shasta Red Fir
Bc	"Grand Fir
	LARCH
Lx	"Dahurian Larch
Lk	"Japanese Larch
	MAPLE
Mr	Box Elder
Mn	"Norway Maple
Mi	"Sycamore Maple
	Oak
Qr	"English Oak
Qw	"White Oak
	OTHER EXOTICS
Ou	"Unknown
Oc	"Giant Sequoia
Ov	"Coast Redwood
Oj	"Japanese Cedar/Ash
Os	"Siberian Elm (southern)
Of	Common Pear
Ow	"Black Locust
Oh	"White Ash
Ot	"Shagbark Hickory
Ol	"Tree of Heaven
Oj	Japanese Walnut
	PINE
Pm	"Monterey Pine
Pr	"Red Pine
Ps	"Sugar Pine
	SPRUCE
Sr	"Serbian 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 - 13.4
3	13.5 - 19.4
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	5 - 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 known to the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the dominant trees. Site Index curves are used to correlate stand age and height estimated from above (etc.) or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees are not present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes the SI number. Estimates are based on Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I codes)

NON-TREED SHRUB
- sl SHRUB TALL - shrub with average shrub height > or = to two metres.
- sm SHRUB MEDIUM - 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
- bs 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
- at ALPINE TUNDRA
- rs ROCK
- sc SCREE
- ss SLOPE WASH
- ls LAKE
- la LAKA BED
- lk KETTLE
- rc POND or LAKE SEDIMENTS
- ms OPEN PIT MINE
- mo MORAINE
- mp MUDFLAT SEDIMENT
- mr RUBBLE/MINE SPOILS
- oc OCEAN
- ow OCEAN
- sn SNOW COVER
- re RESERVOIR
- rv RIVER / STREAM
- rm RESERVOIR MARGIN
- rw RAILWAY SURFACE
- rs RIVER SEDIMENTS
- rd ROAD SURFACE
- tp TALUS
- tl TAILINGS
- ur URBAN

NON-VEGETATED CATEGORIES (for V and I codes)

A	ALPINE	MF	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
C	CLIFF	NPBS	NON PRODUCTIVE BLEAK
CL	CLAY BANK	NPT	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
I	ICE (GLACIER)	OB	OPEN BROWSE
ICE	ICEFIELD	P	HAYFIELD
M	MEADOW	R	ROCK
MUD	MUDFLAT	S	SWAMP

NON FOREST / NON PRODUCTIVE DESCRIPTOR CODES (for I codes)

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

Line 6 - Disturbance History

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

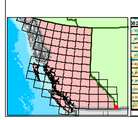
A	Animal Damage	L	Logging
B	Wildfire	M	Mine Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

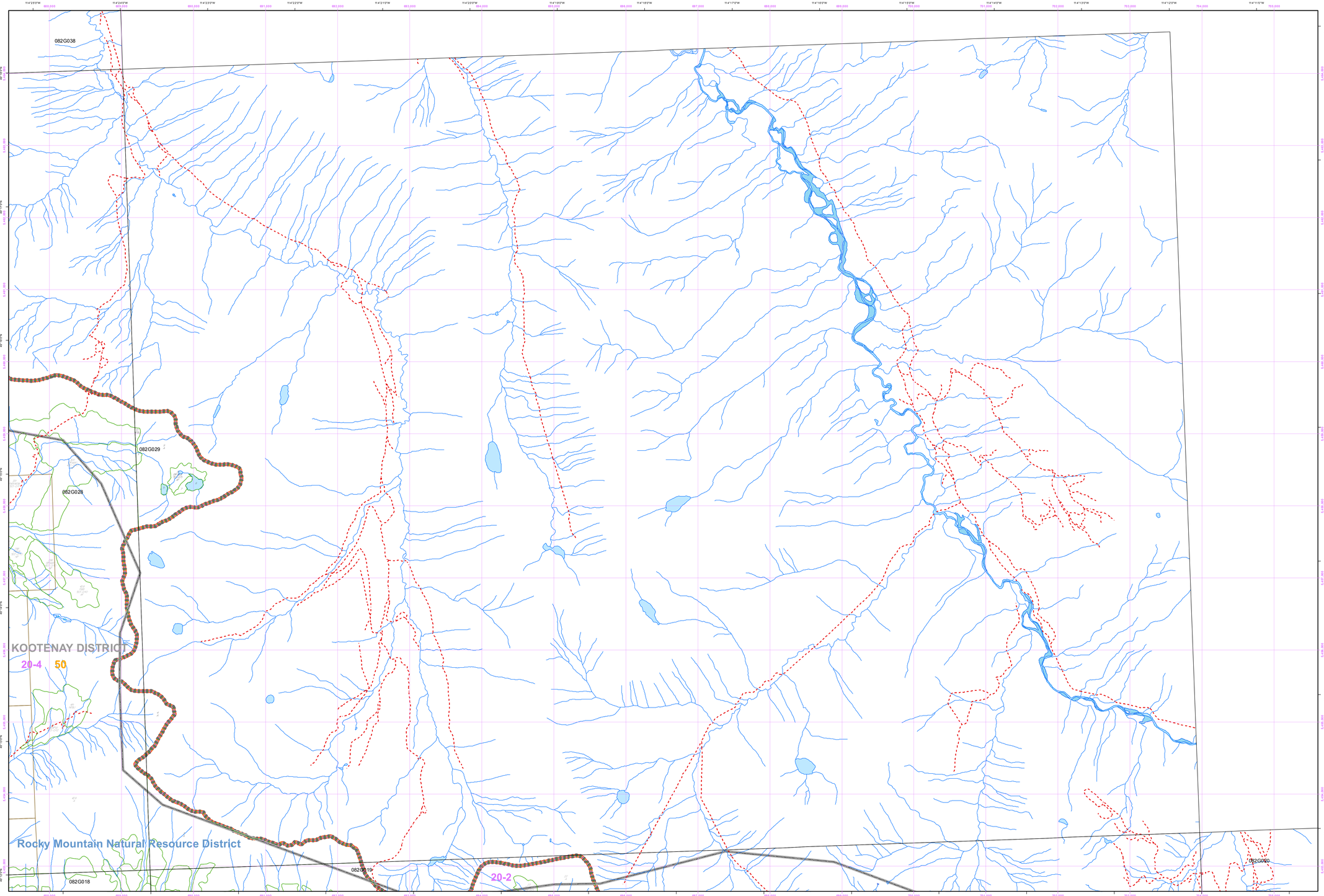
Example Opening History Details

Detailed Silviculture information is available on the BCGW (dwarfed within MoF or ArcMap). The MapView example is of the tree RESULTS data.

The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of treated 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
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

082G029

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