083D030

Vegetation Map
083D030

Scale 1:20,000

0 0.25 0.5 0.75 1 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 portrayed may not be complete and up to date.Cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only.Geographic Reference Code (GRC).

Labels Projected To: January 1, 2015

MAP SYMBOLOGY

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

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

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- MU 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 - in 1:250,000 file (< 15 % fetch)
- Municipal boundary - all 1:250,000 file (no fetch)
- National Parks
- Fed Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- BCGS Mapsheet Grid (1:20,000)

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

```
     1
    CD
   ES 5
  FdPl 5
  LP 20
  Sx 30
   BG 5
```

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 - separated - Site Index / estimated SI
ex/ stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Description)
ex/ a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex/ Logged in 1978

Line 1 - History Record Opening Number

opening number valid for BCGS mapsheet — *0XXX* - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
X, 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 Minors in brackets.
The following codes are based on "The B.C. Ministry of Forests Tree Code List" version 4.0 dated January 2009.

NATIVE CONIFERS

Ba	BALSAM
Cw	Western Red Cedar
Y	CYPRESS
L	LARCH
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Subalpin)
Bl	Subalpine Fir
Bg	Grand Fir
B	Subalpine Fir (alpine)
Hw	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hmxw	Mountain x Western Hemlock hybrid
J	JUNIPER
J	Rocky Mtn. Juniper
La	LARCH (western)
L	LARCH
Lk	Alpine Larch
Lw	Western Larch
Lw	Western Larch
P	PINE
Pj	Jack Pine
P	Unidet Pine
Pli	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plq	Lodgepole x Jack Pine hybrid
Pla	Parkland Pine (alpine)
Pl	Lodgepole Pine
Pw	Western White Pine
Pyc	Ponderosa Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxw	White x Sitka
Sxe	Engelmann x Sitka
Sxw	Sitka x White
Sxe	Sitka x Engelmann hybrid
Y	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Ac	Alder, Red
U	APPLE
Ag	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
At	Balsam Poplar
Ad	Black Cottonwood
Ax	hybrid Poplars
Ae	Trembling Aspen
A	ARBUTUS
Ae	Arbutus
E	ELM
Ebp	Alaska Paper Birch
Ebp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
G	GARRY OAK
V	OGDEN
Vs	Sitka Cherry
Vu	Choke Cherry
Vp	Pin Cherry
D	DOGWOOD
Dn	Pacific Dogwood (western flowering)
W	WILLOW
Wk	Rigid Maple (bracted)
Wp	Pacific Maple
Ow	OAK
Qg	Garry Oak
Qr	Red Oak
Wb	Bebb's Willow
Wg	Pacific Willow
Wp	Prairie Willow (Barley's)
Wd	Peachy Willow (Drummond's)
Wl	Sitka Willow (lanceleaf)
Ws	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	Unknown Conifer
Xh	unknown hardwood
Z	OTHER (less comon tal)
Zh	hardwood
Zs	other hardwood

EXOTICS

Ue	APPLE
Ae	ASPEN
Ax	ASPEN, COTTONWOOD or POPLAR
Ab	Alberta Cottonwood
Eb	BIRCH
Ew	European Birch
Ep	Paper Birch (exotic)
Ey	Yellow Birch
Ey	CHERRY
Yn	Nanking Cherry
Yc	CYPRESS
Yo	"Port Orford Cedar
Lk	LARCH (exotic)
Lk	"Siberian Larch
Le	"European Larch
Lj	"Japanese Larch
Ln	MAPLE
Mn	Norway Maple
Ms	"Sycamore Maple
Mn	OAK
Qe	"English Oak
Qw	"White Oak
Qx	"Hybrid OAK/OAK
Ce	"Incense Cedar
Cs	"Giant Sequoia
Ch	"Western Hemlock
Cd	European Mountain Ash
Ce	Siberian Elm (southern)
Ch	Chinese Elm
Cg	Dragon Ash
Ch	"Hedge Maple
Cl	"Amalgam Hickory
Cl	Tree of Heaven
Cn	Japanese Walnut
Cn	PINE
Pn	"Nanking Pine
Pa	"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

All SI are shown to the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the dominant and co-dominant trees in the stand. Site Index is estimated age and height; estimated SI is shown either, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated where suitable SI trees are not present, e.g. young stands (<10yrs). It is denoted by a slash which always precedes the estimated SI value. The SI trees are normally the Type Group and SI Estimate source code.

Line 5 - Vegetation records

VEGETATED NON TREE CATEGORIES (1st V and 1 (or) 2nd V):

NON TREED SHRUB
- SB SHRUB — shrub with average shrub height > or = to 2 metres
- s 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
- bs BRYOID
- bm BRYOID - MOSS — bryoid with no distinction between mosses and lichens by cover.
- bl BRYOID - LICHENS — bryoid with lichens > 50% of the bryoid cover

NON VEGETATED
- e Exposed Land
- rs Rock / Rubble
- w Water / Ice

NON VEGETATED CATEGORIES (for V and 1 (or) 2nd V (non-tree)):

ap AIRPORT	gr GRAVEL PIT	mu MUDFLAT SEDIMENT	rm RESERVOIR MARGIN
b BARREN	h LAKE	o OCEAN / MARINE ESTUARY	ri RIVER / STREAM
bl BUSH FIELD	h LAKE BED	os OCEAN	rs RIVER SEDIMENTS
br BEDROCK	l LANDING	ot OTHER	ro ROAD SURFACE
cb CLAY BANKS	ls LAKE SHORE SEDIMENTS	p PERMANENT COVER	s SAND
cu CUTBANK	mi OPEN PIT MINE	re RESERVOIR	t TAILINGS
ms EXPOSED SOILS	mr MORAINE	r RIVER / STREAM	u URBAN
gl GLACIER			

Note: Water categories (o, os, re, r) can be labelled over 80 percent coverage.

NON FOREST / NON PRODUCTIVE DESCRIPTOR CODES (for F / 1st or 2nd):

AF AGRICULTURE	MNBR NON PRODUCTIVE BRUSH	SAND SAND	
AFF ALPINE FOREST Species	MNBS NON PRODUCTIVE BRUSH	TEF TIDAL FLAT	
C CULTIVATED	NPBU NON PRODUCTIVE BURN	U URBAN	
CL CLEARING	NPF NON PRODUCTIVE FOREST Species		
G GRASS	NTA NO TYPING AVAILABLE	YC NON COMMERCIAL	
GR GRAVEL PIT	OA OPEN RANGE	NCBR NON COMMERCIAL BRUSH	
L LAKE	R ROCK	NCBU NON COMMERCIAL BURN	
M MEADOW	S SNOW	NFR NOT SUPPORTIVE RESTOCKED	
MUD MUD FLAT	S SWAMP	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.

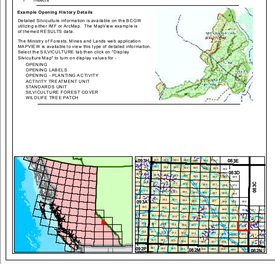
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mote Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

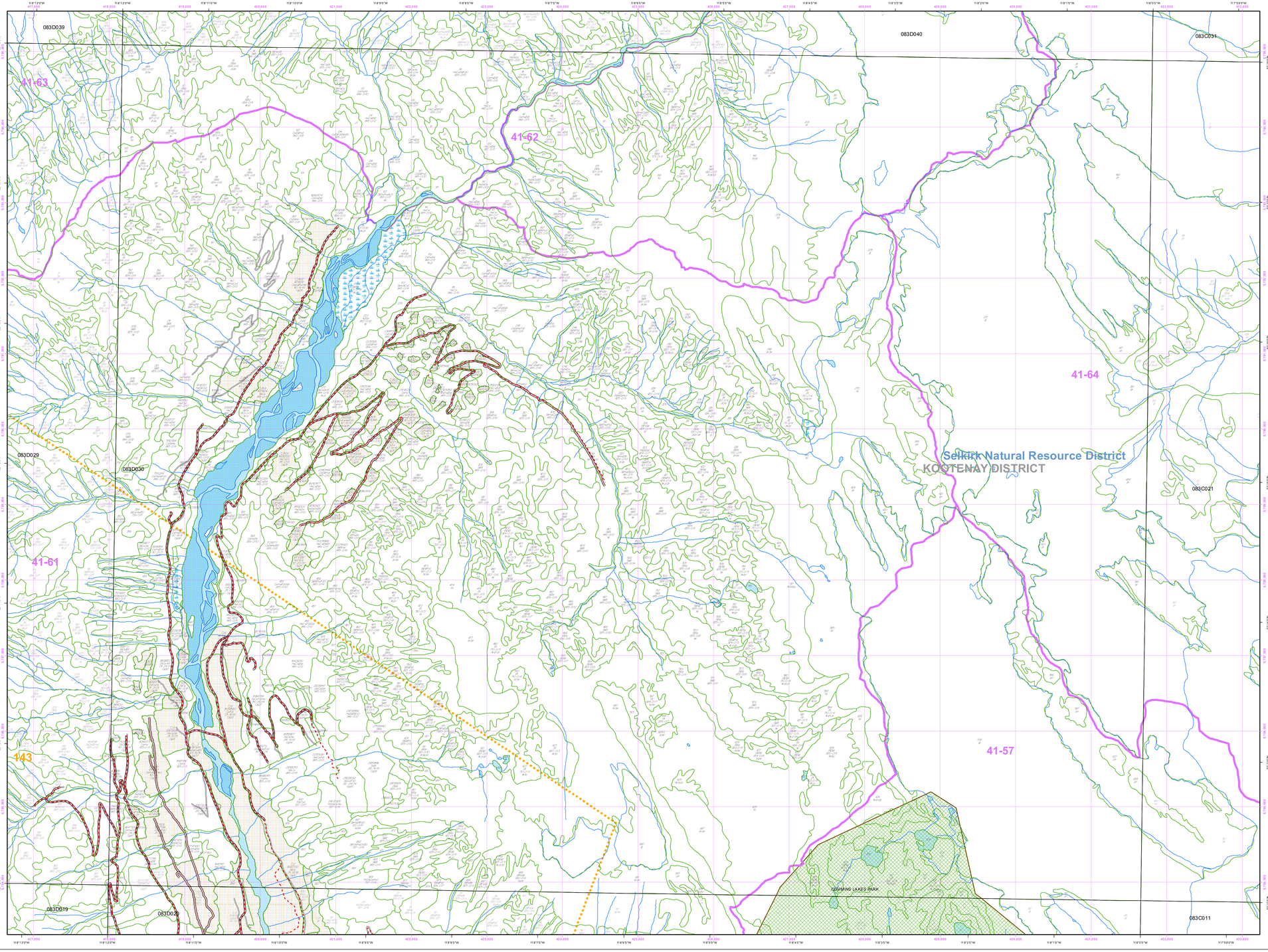
Example Opening History Details

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





Overflow Labels

083D030