Vegetation Map
082N041

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 / Tantalis

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 Integrated Forests, Lands, and Natural Resource Operations. The information contained in this product is derived from the BC Base Mapping and Geographic Information System (BCGS). The administrative boundaries and the Ownership colour theme are for reference purposes only. Logged windows June 2014.

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Feature s:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (2013)
- Research Installations

TRIM. Base Feature s:
- Air Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf ields
- Other Area
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Rivers/Boundaries - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- NR/LNRD 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:



LINE DESCRIPTION
1. Silviculture symbol and Opening Number
2. Polygon Number - assigned multi-layer stand indicator (L)
3. Species Composition
   ex. the most important layer is described as Fd (Dougla 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 (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

Line 1 - History Record Opening Number

'c' - opening number valid for BCGS mapsheet *conv* - 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 Codes List" version 4.5 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS-FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopler Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Pxj	Ponderosa x Jack Pine hybrid
Pxy	Ponderosa x Pine (yellow)
Py	Ponderosa Pine
Pw	Western White Pine
Pyb	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	Hybrid Spruce
Sxw	White Spruce
Sx	Spruce hybrid
Sxl	Sitka x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Sw	White Spruce
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
V	APPLE
Va	Pacific Crab Apple
Act	BLACK COTTONWOOD or POPLAR
At	Trembling Aspen
Ac	Balsam Poplar
Act	Black Cottonwood
Ax	Hybrid Poplars
Al	Trembling Aspen
E	BIRCH
Ea	Alaska Paper Birch
Ep	Alaska Paper Birch hybrid
Ew	Paper Birch (white)
Ew	Water Birch
K	DOGWOOD
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gb	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wr	Peach-leaved Willow (Bankby's)
Wal	Pussy Willow (grey to hairy)
Ws	Scouler's Willow
Wy	Sitka Willow (Sitka tree)

UNKNOWN / OTHER

U	unknown conifer
Uh	unknown hardwood
X	unknown (non-commercial)
Z	other conifer
Zh	other hardwood

EXOTICS

Ux	ASPEN
	ASPEN, COTTONWOOD or POPLAR
Ae	*Southern Cottonwood
Ep	POPLAR
Ea	European Birch
Ek	Silver Birch (swamp)
Ev	Silver Birch
Cw	CHERRY
Ys	Sweet Cherry
Yu	PLUM
Yp	*Pin Oak/Scarlet Oak
	FIR (Balsam)
Bb	*Noble Fir
Bn	Nobel Fir
Bm	*Shasta Red Fir
Bc	*White Fir
L	LARCH
Lk	*Siberian Larch
Lj	*Dahurian Larch
	MAPLE
Mr	*Norway Maple
Ms	*Sycamore Maple
OAK	
Qw	*English Oak
Qw	*White Oak
Qn	*Northern Pin Oak
Qr	*Red Oak
Qs	*Shingle Oak
	OTHER EXOTICS
Ow	*Severa Cedar
Ov	*Incense Cedar
Oc	*Coast Redwood
Od	European Mountain Ash
Ow	Siberian Elm (southern)
Ob	*Black Locust
Og	Oregon Ash
Ok	*White Ash
Ot	*Tree of Heaven Hickory
Oj	Tree of Heaven
Ok	Japanese Walnut
Ow	Walnut
Pm	*Monterey Pine
Pr	*Red Pine
Pq	*Scots Pine
	Douglas Fir
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

Site Index (SI) is the vearest metre referenced 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, estimated SI is shown, after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees cannot present, eg young stands (<10yrs). It is denoted by a dash which shows a percentile 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 type only)

NON-FORESTED
- hs HERB SHRUB - shrub with average shrub height < two metres.
- s SHRUB LOW - shrub with average shrub height < two metres.

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

NON-FORESTED SHRUB
- 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
- X Exposed Land
- R Rock / Bedde
- W Snow / Ice

NON-VEGETATED CATEGORIES (for V and I type only)

ae	AEOLIAN DEPOSIT	mv	MUD/FLAT SEDIMENT
ar	BEACH	mr	RUBBLY MINE SPOILS
bl	BLOCKFIELD	w	OCEAN
br	BEDROCK	l	LAKE
bu	BURNED AREA	r	RIVER
ds	DUNE SAND	sn	SNOW/ICE
gl	GLACIER		

ra	RESERVOIR MARGIN	ss	SALINE SURFACE
rs	RAILWAY SURFACE	rv	RIVER SEDIMENTS
rd	ROAD SURFACE	ls	LAND SURFACE
t	TALUS	ta	TAILINGS
u	URBAN		

Note: Water categories (a, ea, w, r) normalized over 90 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I + exotics)

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST -Ripecire	NPBR	NON PRODUCTIVE - BRUSH
AG	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST -Ripecire
DU	DUNE SAND	NPL	NON PRODUCTIVE-LOGGED
GR	GRAVEL PIT	OR	OPEN RANGE
ICE	ICEFIELD	P	HAYFIELD
L	LAKE	R	ROCK
MUD	MUD FLAT	S	SWAMP

SAND	SAND		
SFLAT	SALT FLAT		
URBAN			
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NSR	NO STOCKING AND NOT RESTOCKED		
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.

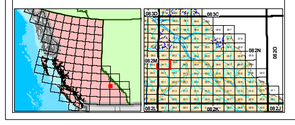
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mine Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Disease	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

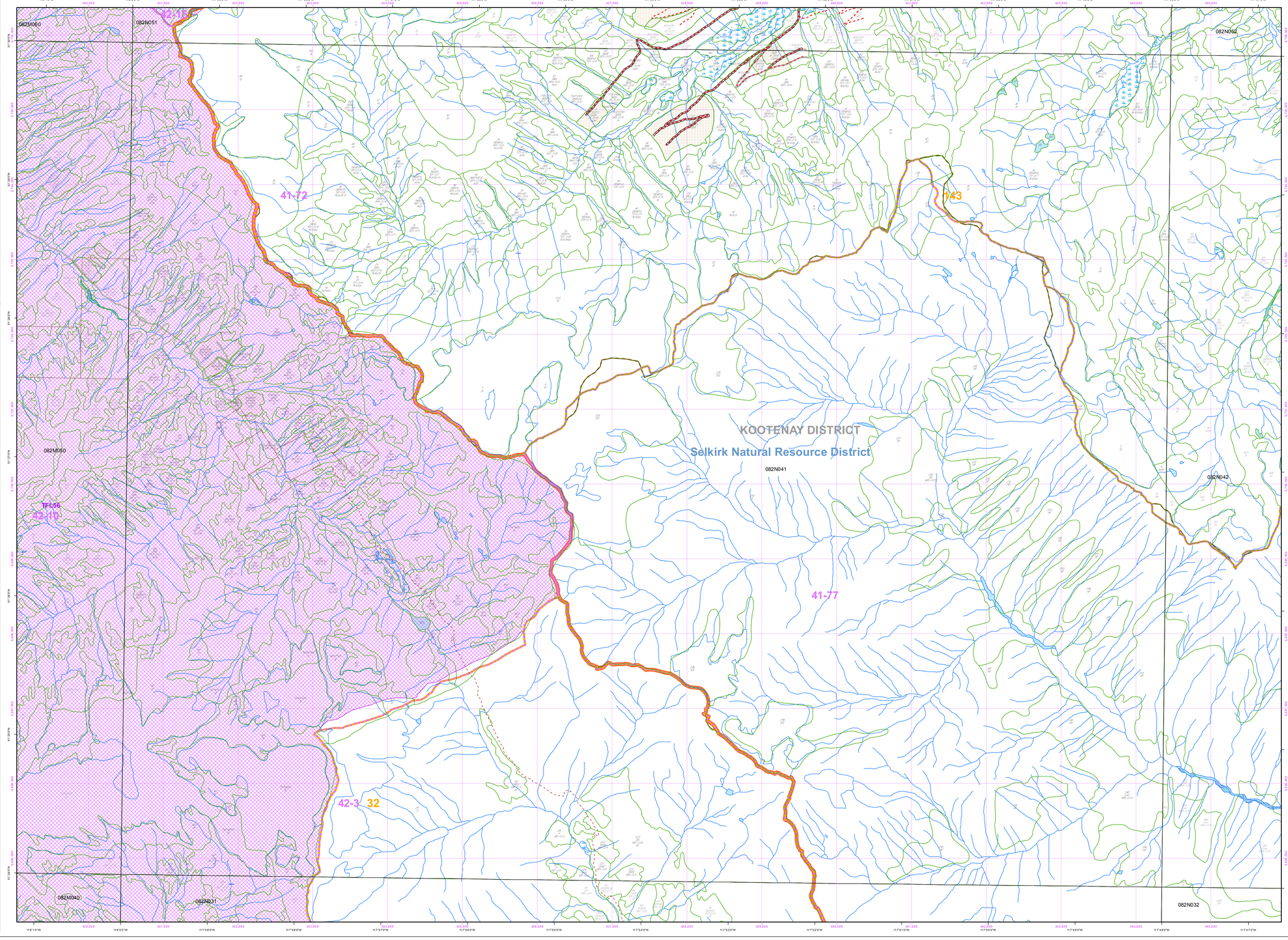
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either 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 ID
- OPENING LABELS
- OPENING / PLANTING ACTIVITY
- ACTIVITY TREATMENT UNIT
- STANDARDS UNIT
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH







Overflow Labels