Vegetation Map
082F004

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 updated approximately every six months (updated June 2016).

Data Projection: NAD83 January 1, 2016

MAP SYMBOLOGY

Forest Inventory Feature:
- Forest Vegetation Polygons
- Structure Opening Vegetation
- Permanent Sample Plot (VRI)
- Research Installations

TRIM: Base Features:
- All Built Roads
- Forest Service Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airfields
- Other Lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrodrawlines - ESM
- Waterbodies - ESM
- Waterholes - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- RDCKMD Region boundary
- Resource District boundary - FADM
- Arc Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Terrain
- Municipal boundary (1:1,000,000 Tol - 12 % hatch)
- Municipal boundary (1:250,000 Tol - no hatch)
- National Parks
- Fire Notices
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- NTS 50 Map-sheet Grid (1:20,000)

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

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 by / (the Western Hemlock) :
ex. stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4 m), crown closure class 1 (6-15 %), SI 20m
5 Site Index (the species and site index curve used to derive the SI)
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 Coping Number

opening number valid for BCGS mapsheet *none* - *opening numbers has not been assigned*

Line 2 - Polygon No. / Multi-layer

VRI/BEC Polygon Number - ranging from one to nine digits
A Multi-layered stand is separate description of each layer is available in the database, i.e. 1.2)

Line 3 - B/C Tree Code List

Species Composition - species are labeled in their order of predominance. Major first Minor in brackets.
The following codes are based on "Tree B.C. Ministry of Forests Tree Code List" version 4.0 dated January 2009.

NATIVE CONIFERS

CW	CEDAR
Cw	Western Red Cedar
Y	Yellow Cedar
Yc	Yellow Cedar
F	DOUGLAS-FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
H	HEMLOCK
Hw	Hemlock Fir
Hm	Mountain Hemlock
Hs	Subalpine Fir (alpine)
PW	PINE
Pa	Whitebark Hemlock
Pw	Western Hemlock
Pyb	Ponderosa x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
Lt	Tamarack
Lw	Western Larch
P	PINE
Pl	Lake Pine
Pli	Lodgepole Pine
Plc	Lodgepole Pine (coast)
Pli	Lodgepole Pine (interior)
Pa	Whitebark Pine (alpine)
Pf	Flathead Pine (alpine)
Pp	Shore Pine (coast)
Pw	Western White Pine
Pyi	Ponderosa Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	White Spruce
Sw	White Spruce
Sxe	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x Western hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dl	Sitka Alder
A	Aspen, Cott. Poplar
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Ae	Aspen Poplar
Act	Black Cottonwood
Ac	Balsam Poplar
Ep	Trembling Aspen
Ax	Poplar
Ay	Willow
Ep	Aspen
Epr	Trembling Aspen
Epa	Alaska x Paper Birch hybrid
Epw	Aspen (white)
Ept	Aspen Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Qg	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wr	Pacific Willow
Wpb	Pacific Willow (spreading)
Wp	Pacific Willow (erect leaved)
Wb	Bebb Willow
Wbs	Sitka Willow (hard leaved)

UNKNOWN - OTHER

D	BROADLEAF
At	unknown hardwood
Ac	unknown softwood
Z	OTHER (see comm bd)
Zn	non-vegetated
Zn	other hardwood

EXOTICS

AP/L	
Ap/a	Apple
Ac/b	COTTONWOOD or POPLAR
Ac/t	Tacamahac
Ac/t	Tacamahac (balsam poplar)
BR/A	
Bp/a	Alaska Birch
Bp/p	Paper Birch (swamp)
Bp/p	Yakima Birch
Bp/r	Red Birch
Cw/o	Cherry
Cw/o	Weeping Cherry
Cr/p	Pond Orchard Cherry
E	ELM
E/a	Siberian Elm
E/c	Chinese Elm
E/u	Scotch Elm
E/w	Wych Elm
E/w	Wahoo Elm
LA/W	LARCH
Lw/s	Siberian Larch
Lw/s	Siberian Larch
MA/C	
Mc/s	Silver
Mc/s	Silver Maple
Mc/s	Silver Maple
OA/	
Oa/r	Northern Oak
Oa/r	White Oak
OTHER EXOTICS	
Ch/	Chestnut
Ch/h	Horse Chestnut
Cl/	Cedar Redwood
Cl/	Cedar Redwood Ash
Ea/	Eastern Ash (southern)
Ea/	Ash
Og/	Oregon Ash
Ot/	Other Ash
Ot/	Woodlands Hickory
Cl/	Tree of Heaven
Ot/	Mountain Walnut
Hp/	Hop
Pn/	Nanking Pine
Pn/	Pine Nut
Pp/	Tanyo Pine
SPR/US	
Sn/	Norway Spruce

Line 4 -

4a. AGE CLASS

CODE	LABEL (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	LABEL (metres)
1	0.1 - 10.4
2	10.5 - 19.4
3	19.5 - 28.4
4	28.5 - 37.4
5	37.5 - 43.4
6	46.5 - 53.4
7	53.5 - 64.4
8	65.5 +

4c. CROWN CLOSURE CLASS

CODE	LABEL (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 stand mate referenced at 50 years breast height age. SI is based on the age and height of leading species. Which an accurate SI cannot be obtained from age and height measurements, an estimate is applied. Ex: SI

4e. ESTIMATED SITE INDEX

Estimated Site Index (ESI) is a site index determinant, e.g. site index curves, it is denoted by a slash which always precedes it. Anecdotal fields in the data base are inventory type (timber) and SI estimate source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for 4 and 5 layers+ht)

NON-TREED SHRUB
- Sa SHRUB - shrubs with average shrub height > or = to two metres.
- Sl SHRUB LOW - shrubs with average shrub height < two metres.

NON-TREED HERB
- H 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 MIXED
- Mx MIXED - mixed with no distinction between shrubs and herbs by cover.
- Mh MIXED - HERB - mixed with herbs > 50% of the shrub cover.
- Ms MIXED - SHRUB - mixed with shrubs > 50% of the herb cover.

NON-VEGETATED CATEGORIES (for 4 and 5 layers+ht)

ar	ANTHROPOGENIC	mv MUSKEG SEGMENT	rm RESERVOIR MARGIN
bl	BEACH	ml LAKE	rr RAILWAY SURFACE
bo	BOULDERFIELD	lo OCEAN	rs RIVER SLOW/CHUTE
bu	BUILT-UP	ri RIVER	rv RIVER WATERWAY
bm	BURNED AREA	rz RIVER/LAKE SEGMENTS	sl SALINE
cl	CLITTERAY	ss SPOIL PIT MINE	tz TALUS
ds	DISTURBED SOILS	rc RIVER - CHANNEL	ur URBAN
gl	GLACIER	rs RIVER - STREAM	

Note: these categories do not, as a rule, receive PI polygon coverage.

NON FOREST / NON PRODUCTIVE DESCRIPTOR CODES (for 5 + ht+cd+s)

A	ALPINE	MW	MUSKEG WOODED
AF	ALPINE FOREST (Subalpine)	NP	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPW	NON PRODUCTIVE BURN
CL	CLEARING	NPB	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NR	NOT PRODUCTIVE ROCK
GR	GRAVEL PIT	OR	OPEN RANGE
I	ICEFIELD	R	ROCK
M	MEADOW	S	SWAMP

SAND SAND
TEC TOOL FLAT
U URBAN

NCM NON COMMERCIAL
NCMW NON COMMERCIAL BRUSH
NF NOT FORESTED
NFB NOT FORESTED PLANTED/ESTOCKED
NFA NOT PRODUCTIVE/UNAVAILABLE

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.

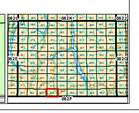
A	Animal Damage	L	Logging
C	Cutting	N	Non-Biological Injuries
E	Cone and Seed Insects	P	Cone and Seedling Fungal Pathogens
D	Diseases		
I	Insects		
		R	Site Rehabilitation
		S	Silvicultural Treatment
		W	Damage Unknown
		V	Problem Vegetation

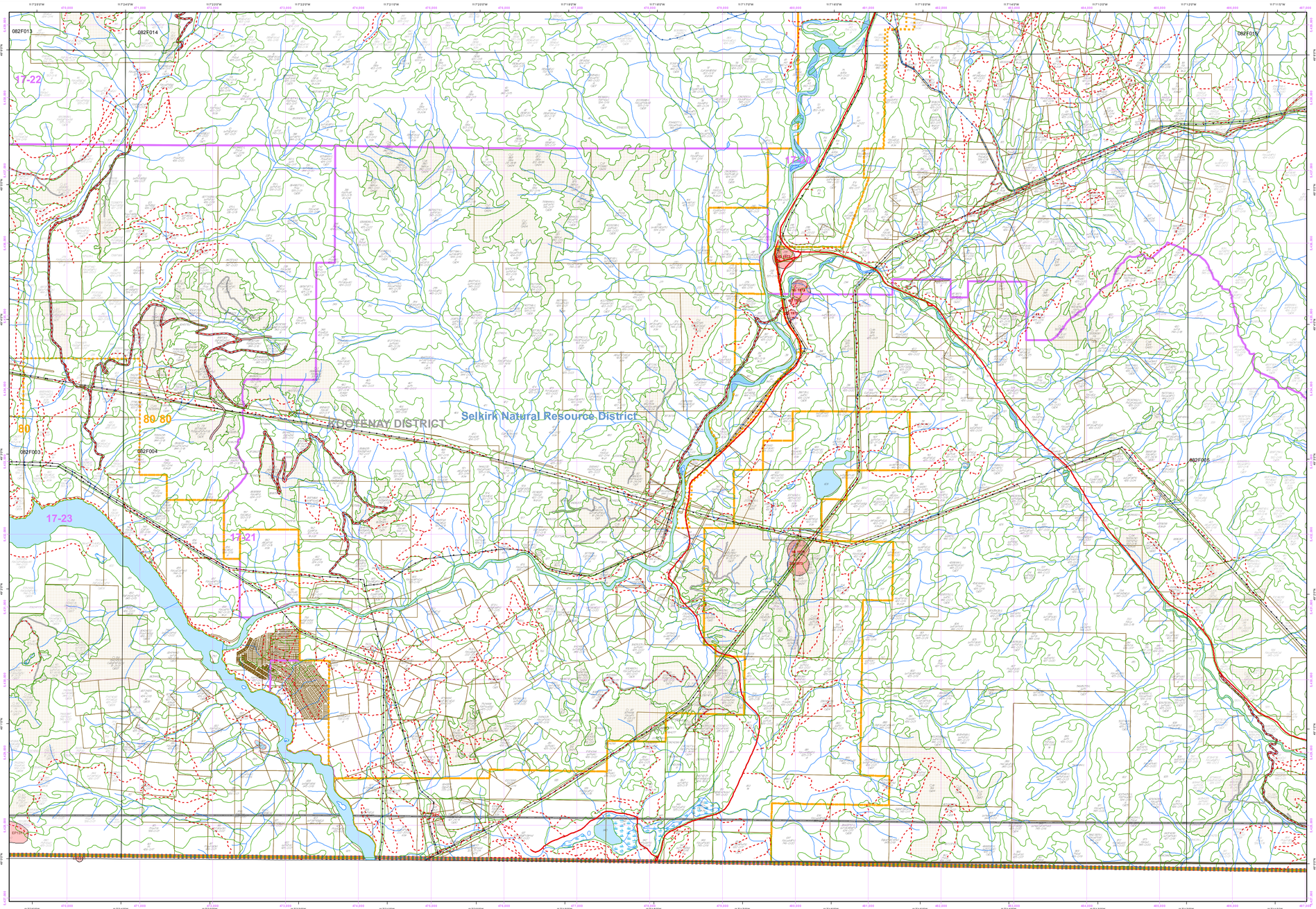
Example Opening History Details

Detailed silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of thinned R/S CUT3 data.

The Ministry of Forests, Mines and Lands web application VRIMS can be used to view and print Layers and Attributes. Select the R/S CUT3/PC 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