083C031

Vegetation Map
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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 display the best available information. The accuracy of the data is dependent on the source material. Some 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 2016)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM - Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- 4x4 Parkway
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeatures - 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 Licences - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary (1:1200,000 ha - 15 % hatch)
- Municipal boundary (1:1200,000 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 and multi-layer stand indicator (L)
3 Species Composition
ex: the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
Fd is 60% of the stand and Hw is 40% of the stand. Fd is the leading species.
4 Age class-Height class-Crown closure class (1-10 = 1-10 mtrs, 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

- opening number - valid for BCGS mapsheet
- 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 4.6 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Y	YEW
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	BALSAM
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (Alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwm	Mountain x Western hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sweede Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (contorta)
Plh	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pwa	Western White Pine
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sel	Englemann x Sitka
Sw	White Spruce
Sx	Spruce hybrid
Sxl	Sitka x Lutz x White
Sxw	Sitka x White
Sxl	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	ASPEN
At	Aspen - Pacific Coast-Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Ate	Eastern Poplar
Act	Black Cottonwood
Ad	Trembling Aspen
Ac	Trembling Aspen
R	ARBUTUS
Rm	Pacific
B	BIRCH
Ea	Alaska Paper Birch
Eal	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Ky	Cascara
C	CHERRY
Vs	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gg	Garry Oak
W	WILLOW
Sb	Bebb's Willow
Wp	Pacific Willow
Wpe	Pacific Willow (Peachleaf)
Wsf	Farrs Willow (grey leaved)
Wsl	Scouler's Willow
Wt	Sitka Willow (low-leaved)

UNKNOWN - OTHER

A	unknown tree
Ah	unknown softwood
Ah	unknown hardwood
Z	Other (Non-Forest Nil)
Zz	other Conifer
Zh	other hardwood

EXOTICS

Ua	APPLE Apple
Up	ASPEN, COTTONWOOD or POPLAR *Southern Cottonwood
Ew	BIRCH *Caspian Birch
Ey	Silver Birch (swamp)
Ey	*Yellow Birch
Y	YEW Sweet Cherry
Ys	CYPRESS
Yp	*Nootka False Cedar
Yp	FIR (Subalpine)
Bb	*Balsam Fir
Bal	Noble Fir
Bm	*Shasta Red Fir
Bn	*White Fir
Lt	LARCH *Dahurian Larch
Lyl	Subalpine Larch
M	MAPLE
Mr	Box Elder
Mn	*Norway Maple
Ms	*Sycamore Maple
OAK	
Oe	*English Oak
Ow	*White Oak
	OTHER EXOTICS
Ow	*Black Walnut
Cw	*Giant Sequoia
Cr	*Coast Redwood
Ow	European Mountain Ash
Ow	Siberian Elm (exotic)
Ow	*Horse Chestnut
Ow	Oregon Ash
Oh	*White Ash
Ow	*Common Hickory
Ow	*Smoothleaf Japanese Walnut
PINE	
Pm	*Monterey Pine
Pp	*Pitch Pine
Pj	*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 - 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 is the expected tree height at 50 years breast height age. It 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
Estimated site index is used when a site index is not present, e.g. young stands (<10yrs). It is denoted by a slash which always precedes it. Associated Note in the data base are Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (5a=V and 5b=code)

NON-TREED SHRUB
- w SHRUBS - shrub with average shrub height > or = to two metres.
- s SHRUBS - shrub with average shrub height < two metres.

NON-TREED HERB
- he HERB - herb with no distinction between forbs and graminoids.
- h HERB - FORBS - herb with forbs > 50% of the herb cover.
- g HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- by BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverwarts, and hornworts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- vf Exposed Land
- vr Rock / Rubble
- vs Snow / Ice

NON VEGETATED CATEGORIES (5a=V and 5b=code)

- ab AIRPORT
- ac CANAL
- ad DUCK POND
- ae EXPOSED SOILS
- af GLACIER
- ag GRAVEL PIT
- ah INDUSTRIAL
- ai LAKA BED
- aj LANDING
- ak POND or LAKE SEDIMENTS
- al MINE SITE MINE
- am MORAINE
- an MUDFLAT SEDIMENT
- ao PUBLIC WINE SPOILS
- ap OCEAN
- aq OTHER
- ar SNOW COVER
- as RIVER BANK
- t RIVER / STREAM
- au RESERVOIR MARGIN
- av RAILWAY SURFACE
- rs RIVER SEGMENTS
- w ROAD SURFACE
- x TALUS
- y WETLAND
- z URBAN

Note: Water categories (ra, ao, ap, t) not labelled over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (5a=F / 5b=code)

- A ALPINE
- BRUSH - BRUSH
- CL CLEARCUT
- CLAY - CLAY BANK
- EXPOSED - EXPOSED SOIL
- FLAT - FLAT
- GRAVEL - GRAVEL PIT
- GRASS - GRASS
- ICEFIELD - ICEFIELD
- MEADOW - MEADOW
- MUD - MUDFLAT
- NPBR - NON PRODUCTIVE BRUSH
- NPBU - NON PRODUCTIVE BURN
- NPF - NON PRODUCTIVE FOREST /Spruce
- OPEN - OPEN AVAILABLE
- OPEN RANGE - OPEN RANGE
- P - HAYFIELD
- ROCK - ROCK
- SWAMP - SWAMP
- SAND - SAND
- NC - NON COMMERCIAL
- NCBR - NON COMMERCIAL BRUSH
- NP - NON PRODUCTIVE
- NSA - NOT SATISFACTORILY RESTOCKED
- NTA - NOT TYPED 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.

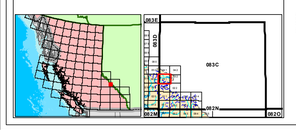
- A Animal Damage
- B Wildfire
- C Cone and Seed Insects
- D Disease
- I Insects
- L Logging
- M Mite Damage
- N Non-Biological Injuries
- P Core and Seedling Fungal Pathogens
- R Site Rehabilitation
- T Treatment Injuries
- U Damage Unknown
- V Problem Vegetation

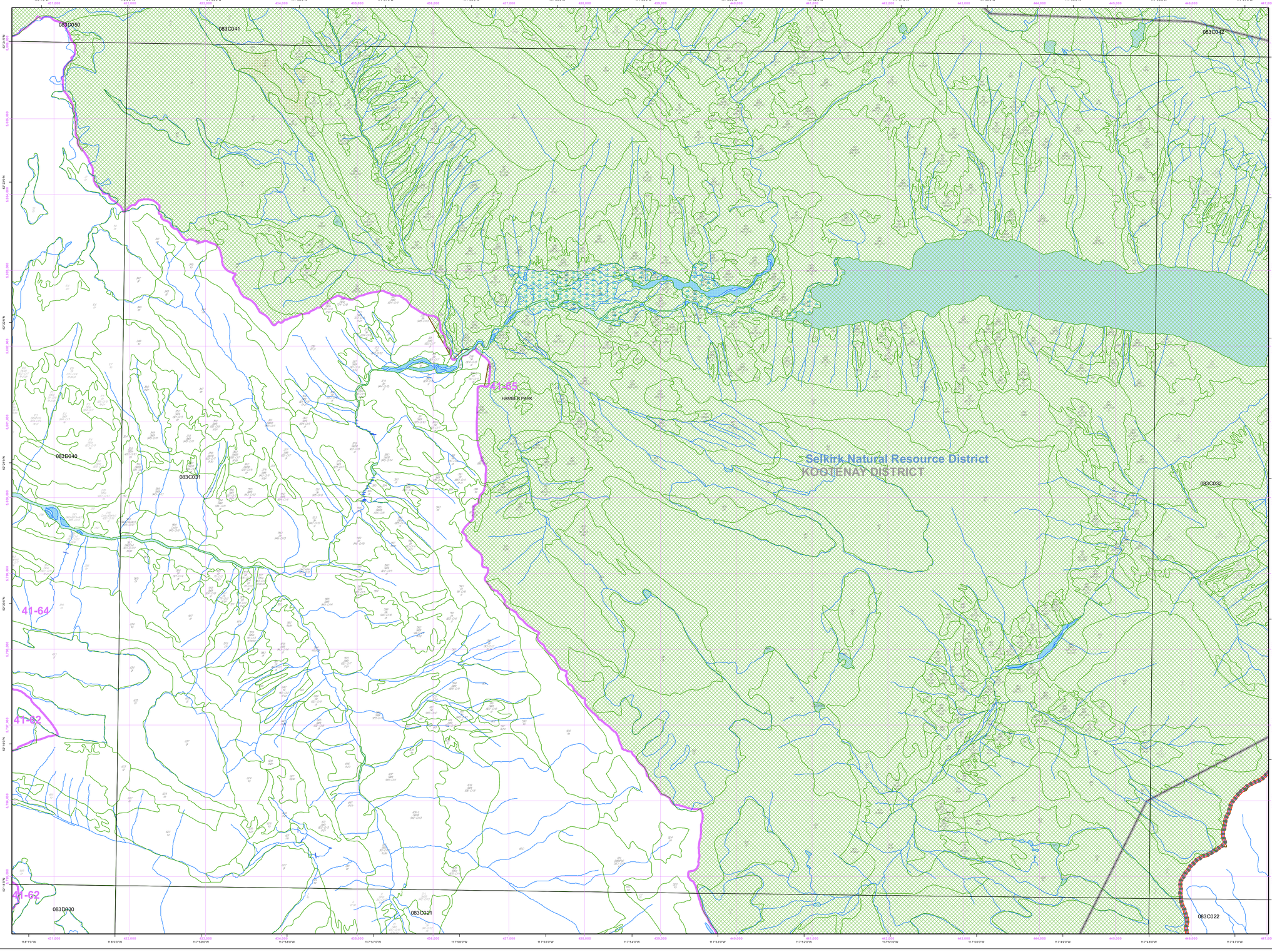
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of thinned 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 Layers" 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

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