092K043

Vegetation Map
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BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

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 on a standard computer screen or printed on 11x17 paper. Information may be illegible if enlarged beyond this portrayed map nor be complete and up to date.Cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revisions June 2014)

Labels Projected for January 1, 2016

MAP SYMBOLOGY

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

TRIM, Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Forest Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Anti-Barriers - 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 (< 1:250,000 ha - 75 % hatch)
- Municipal boundary (> 1:250,000 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 (Douglis Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator Site Index / estimated SI
ex. Height class 3 (10.5-16.4m), crown closure class 1 (6-15%), SI 20m
5 Vegetation Code (BCLCS Level 4 - Non-Forest Descriptor)
ex. Solid polygon with no distinction between trees and graminoids, shrubs less than 2m.
6 Disturbance History & year - ex. Logged in 1976

Line 1 - History Record Opening Number

OGR - opening number valid for BCGS mapsheet ZOGR - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

Will contain polygon number - ranging from one to nine digits
Multi-layer number - 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 2008.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Yc	Cypress
Yi	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fr
Fdi	Interior Douglas Fr
B	FIR (Balsam)
Ba	Amabilis Fr
Bg	Grand Fr
Bl	Subalpine Fr (alpine)
Bp	Pacific Fr
Hm	Mountain Hemlock
Hw	Western Hemlock
Hx	Western x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Albicaulis Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Pyl	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pxw	Western White Pine
Px	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sel	Sitka Spruce
Sx	Spruce hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	ARBUTUS
Ep	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Abl	Balsam Poplar
Act	Black Cottonwood
Ax	Hybrid Poplar
Ay	Trembling Aspen
R	ARBUTUS
B	BIRCH
Bp	BIRCH
Bpp	Paper Birch
Bpa	Alaska x Paper Birch hybrid
Bpl	Paper Birch (white)
K	CASCARA
K	CARCARA
G	CHERRY
Gb	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vm	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Banday's)
Wr	Red Willow (Drummond's)
Wd	Scouler's Willow
Wr	Sitka Willow (ssp.leiocarpa)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xn	unknown (could not be)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ua	APPLE
Ue	Apple
Act	ASPEN, COTTONWOOD or POPLAR
Ad	Black Cottonwood
Ae	BIRCH
Ep	European Birch
Epg	Gray Birch (swamp)
Ey	Yellow Birch
Ys	CHERRY
Ysa	Sweet Cherry
Yt	CYPRESS
Yn	Nootka Cedar
Fr	FIR (Balsam)
Bc	Corkbark Fir
Bgr	Noble Fir
Bm	Shasta Red Fir
Bs	Subalpine Fir
J	LARCH
Lk	Japanese Larch
Lp	European Larch
MAPLE	
Mr	Red Maple
Mn	Norway Maple
Ms	Sycamore Maple
O	OAK
Qe	English Oak
Qm	White Oak
Z	OTHER EXOTICS
Ze	Incense Cedar
Zb	Giant Sequoia
Zc	Coast Redwood
Zd	European Mountain Ash
Ze	Siberian Elm (southern)
Zg	Common Pear
Zh	Monterey Pine
Zk	White Ash
Zl	Shagbark Hickory
Zn	Black Walnut
Zp	Japanese Walnut
PINE	
Pm	Monterey Pine
Pr	Red Pine
Ps	Scots Pine
Pw	White Pine
Pz	Norway Spruce

Line 4

4a. AGE CLASS

CODE	AGE CLASS (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	HEIGHT (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	CLOSURE (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

SI is an estimate to the nearest 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 sampling, a site estimate SI is to be made, or reasonable SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees cannot present, e.g. young stands (<30yrs). It is iterated by a sketch which always has some SI trees present. Sketch fields in the sub-base are inventory type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES: (for V and l record/s)

NON TREED SHRUB
- sh SHRUB - shrub with average shrub height > or = to two metres.
- si 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 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 - MOSSES - bryoid with mosses > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES: (for V and l record/s)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	lk	LAKE	mp	RUBBLY MINE SPOILS
bl	BEDROCK/FELD	lr	LAKE RIVER	ol	OTHER
bu	BIOSNOCK	ld	LANDING	ot	OTHER
bu	BURNED AREA	lp	POND or LAKE SEDIMENTS	pr	SNOW COVER
cl	CLIFF/CANYON	rd	ROAD/TRAIL/ROW	ri	RIVER / STREAM
en	EXPOSED SOILS	rv	RIVER / STREAM	rz	RIVERA
ec	ESCARPMENT				

Note: Water categories (lk, ov, re, rv) not labelled over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for l record/s)

AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH	SAND	SAND
BR	BRUSH	NPBU	NON PRODUCTIVE BURN	TIDE	TIDAL FLAT
CL	CLAY BANK	NPFO	NON PRODUCTIVE FOREST /Species	URB	URBAN
GL	GRAVEL BAR	NTA	NO TYPING AVAILABLE		
ICE	ICEFIELD	OPN	OPEN	NC	NON COMMERCIAL
ICE	ICEFIELD	OT	OTHER	NP	NON PRODUCTIVE BRUSH
M	MEADOW	R	ROCK	NPR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	S	SWAMP	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

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

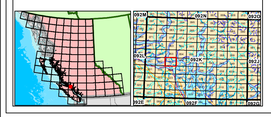
A	Animal Damage	R	Site Rehabilitation
B	Wildfire	T	Treatment Injuries
C	Cone and Seed Insects	U	Damage Unknown
D	Diseases	V	Problem Vegetation
H	Harvest		
L	Logging		
M	Mite Damage		
N	Non-Biological Injuries		
P	Cone and Seeding Fungal Pathogens		

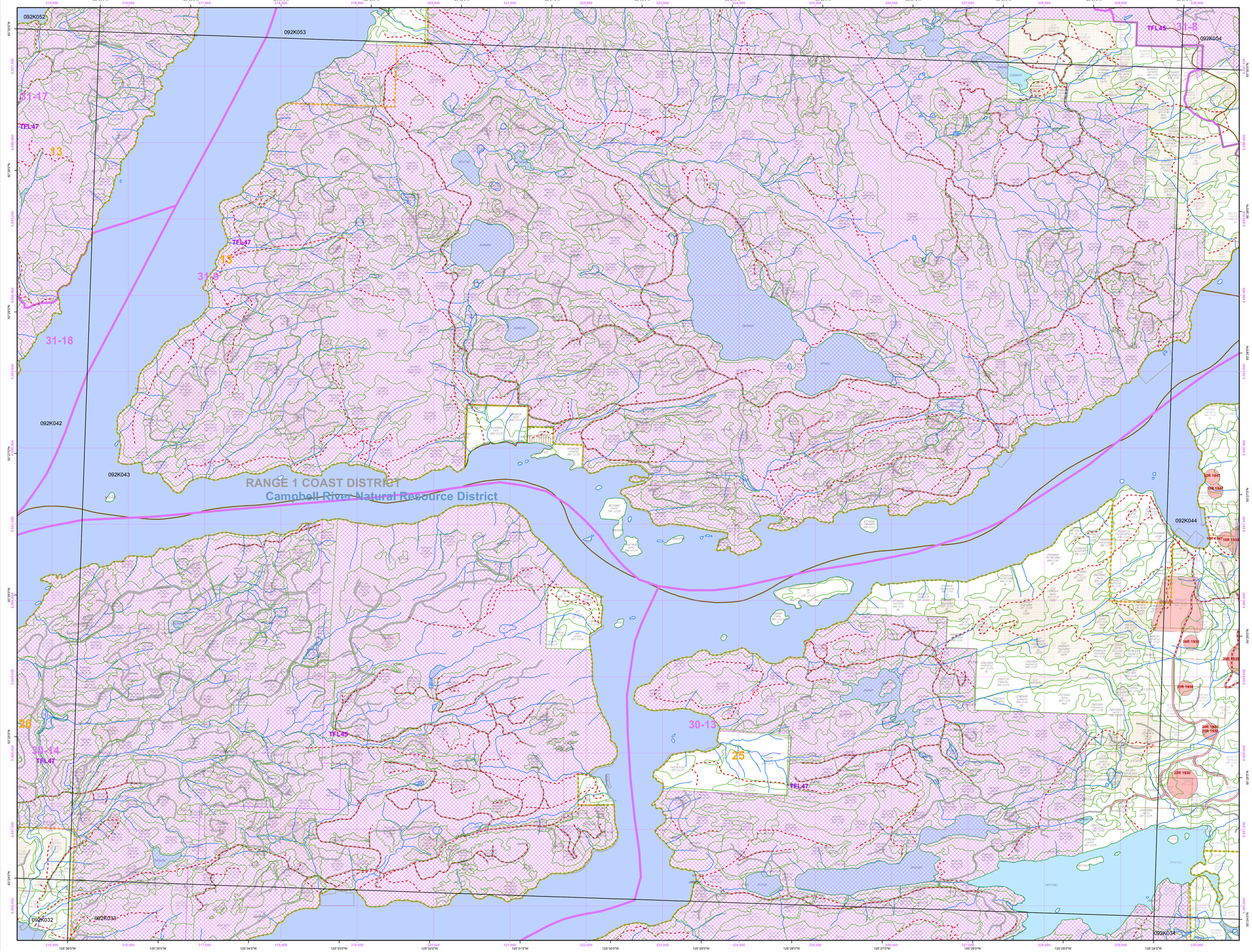
Example Opening History Details

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 Data" to turn on display values for:

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
SILVICULTURE
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

092K043