092K042

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 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. (Legend revisions June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM Base Features :
- 4x Built Roads
- Forest Tenure Road Level
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- AirFerries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Ice/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO 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 or 1:250,000 fist - (15 % hatch)
- Municipal boundary or 1:250,000 fist - 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. History Record 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. a 141-250 year old stand, 20-25 metres high, 26-35% 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

OGR - opening number valid for BCGS mapsheet

093K - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer:

- Polygon Numbers ranging from one to nine digits
- Multi-layered stand or 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	Sawarok Juniper
L	LARCH
La	Subalpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodge Pole Pine
Plc	Coastal Lodge Pine
Pli	Lodgepole Pine (interior)
Plk	Lodgepole x Jack Pine hybrid
Plx	Shore Pine (yellow)
Pm	Western White Pine
Pw	Western White Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sxx	Spruce hybrid
Sxw	Engelmann x White
Sxl	Spruce x Lutzii
Sxs	Sitka x Unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

E	ALDER
Dr	Red Alder
Sa	Sitka Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Abb	Balsam Poplar
Act	Black Cottonwood
Ac	Trembling Aspen
Ax	Trembling Aspen
R	ARBUTUS
Mb	BIG LEAF MAPLE
V	BIRCH
Ew	Alaska Paper Birch
Ep	Alaska Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
C	Cascara
V	CHERRY
Vm	Bitter Cherry
Vv	Choke Cherry
Vp	Pin Cherry
Vu	Unknown Cherry
Qg	Garry Oak
D	DOGWOOD
Wb	Bebb's Willow
Wp	Pacific Willow
Wpb	Pacific Willow (Barida's)
Wf	Fussy Willow (pre-harvest)
Ww	Scouler's Willow
Wx	Willow spp. (tree leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ua	APPLE Apples
Act	ASPEN, COTTONWOOD or POPLAR * Southern Cottonwood
Ea	BIRCH * European Birch
Ep	Silver Birch (exterior)
Ey	* Yellow Birch
Lc	CEDAR * Siberian Cherry
Yp	CYPRESS * Nootka Cedar
Bb	FIR (Balsam) * Balkan Fir
Bn	* Noble Fir
Bp	* Pacific Silver Fir
Bc	* White Fir
Bg	* Grand Fir
Lyl	* Subalpine Larch
Lt	* Siberian Larch
Mb	MAPLE Box Elder
Mh	* Norway Maple
Mh	* Sycamore Maple
Oa	OAK * English Oak
Qw	* White Oak
Ox	OTHER EXOTICS
Ox	* Oregon Ash
Ox	* Green Ash
Ox	* Shagbark Hickory
Ox	* Tree-of-Heaven
Ox	* Japanese Walnut
Pn	PINE * Monterey Pine
Pn	* Red Pine
Pw	* Austrian 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 - 27.4
4	27.5 - 37.4
5	37.5 - 46.4
6	46.5 - 56.4
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. If the stand is younger than breast age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aren't present, e.g. young stands (<50yrs). It is denoted by a slash which always follows the estimated SI value. The SI source are Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (5v/ 5v and I record*s)

NON-TREED SHRUB

st	SHRUB TALL - shrub with average shrub height > or = to two metres.
sm	SHRUB MEDIUM - 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

by	BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
bm	BRYOID - MOSS - bryoid with mosses, liverwrts, and hornwarts > 50% of the bryoid cover.
bl	BRYOID - LICHEN - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (5n/ 5v and I record*s)

ap	AIRPORT	gr	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	lk	LAKE	mp	RUBBLE/ MINE SPOILS
br	BEDROCK	lk	LAKE BED	ri	RIVER
bl	BLOWDOWN	lk	LAKE BED	rr	OTHER
bs	BURNED AREA	lp	POND or LAKE SEDIMENTS	sn	SNOW COVER
ea	EXPOSED SOILS	rm	OPEN PIT MINE	st	RIVER/ STREAM
gl	GLACIER	mm	MORAINE		

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

mr	RESERVOIR MARGIN
rd	ROAD SURFACE
rc	ROCK OUTCROPPING
sl	SALLOWS
ur	URBAN

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (5n/ F record*s)

A	ALPINE	NR	NON-PRODUCTIVE BRUSH	SAND	SAND
BRUSH	NON-FOREST Species	NPBR	NON-PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON-PRODUCTIVE FOREST Species		
G	GRASSLAND	NVA	NOT FOR TIMBER AVAILABLE	NC	NON-COMMERCIAL
GR	GRAVEL PIT	OPEN	OPEN TREE CANOPY	NCBR	NON COMMERCIAL BRUSH
L	LAKE/ POND	P	HAYFIELD	NF	NON-FOREST
M	MEADOW	R	ROCK	NPC	NON-PRODUCTIVE - RESTOCKED
MUD	MUD FLAT	S	SWAMP	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code preceeded 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
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Forest Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		

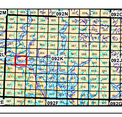
R	Site Rehabilitation
T	Treatment Injuries
U	Damage Unknown
V	Problem Vegetation

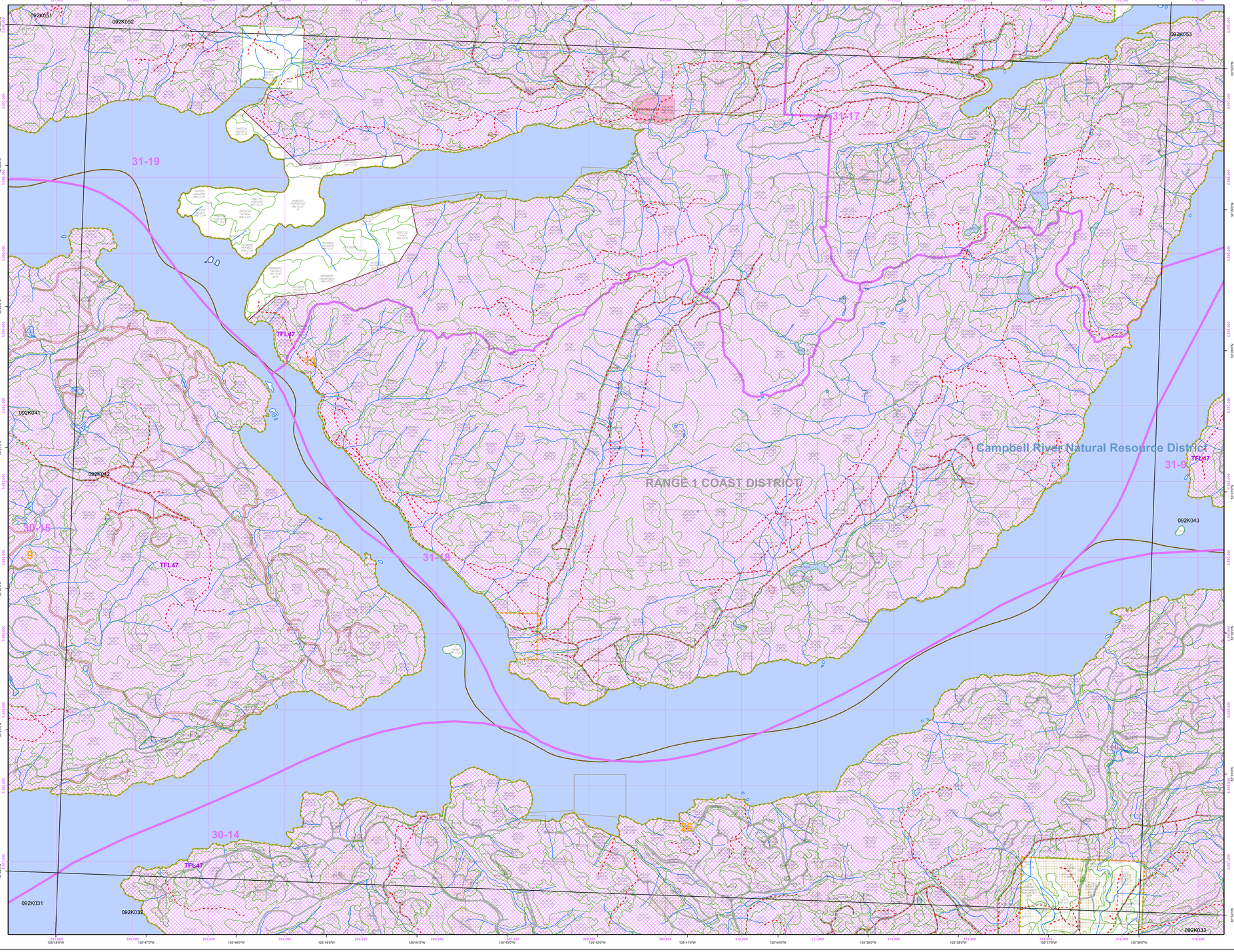
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of thermed RESULTS data.

The Ministry of Forests, Mines and Lands web application "Map View" is available for free to view detailed information. Select the SILVICULTURE tab then click on "Cropsy Silviculture Map" to turn on display values for :

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





Overflow Labels

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