082E093

Vegetation Map

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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 derived 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 contained in this map is intended for use up to date Cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only. Cadastral features June 2014).

Labels Projected for January 1, 2014

MAP SYMBOLOGY

Forest Inventory Features:

- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (SYS)
- Research Installations

TRIM - Base Features:

- 4x4 Trail/4 Roads
- Forest Service Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Recreation
- Air Fields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolines/Rivers - ESRI
- Watercourses - ESRI
- Waterbodies - ESRI
- Wetlands - ESRI
- Ocean - ESRI

Administrative Boundaries:

- BC Provincial Boundary
- MoFLNRO Region boundary
- Resource District boundary - FADM
- BEC 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 - (10 % 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:

Cd 2 Fd 1 Fdi 1 Ac 1 Bgp 1 Cw 1

LINE DESCRIPTION

1 Silviculture symbol and Opening Number

2 Polygon No. - Multi-layer stand indicator (L)

3 Species Composition

ex: the most important layer is described as Fd (Douglas Fir) and the (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 (01-10 m), crown closure class 1 (6 -10%), SI=20m

5 Species Composition - Non-Tree Vegetation Descriptors

ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.

6 Disturbance history & year - ex: Logged in 1979

Line 1 - History Record Opening Number

xxxx - opening number used for BCGS mapsheet

zzzz - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

Vri/inv 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 "Tree & Shrub Codes for B.C. Ministry of Forests Tree Code List" version 4.0 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Ch	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)
Bl	Subalpine Fir
Bg	Grand Fir
Bgp	Grand Fir (Amabilis)
H	HEMLOCK
Hw	Western Hemlock
Hm	Mountain Hemlock
Hmh	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sweetgale Juniper
L	LARCH
La	Subalpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Pa	Whitebark Pine (alpine)
Pfo	White Pine (coast)
Pw	Whitebark Pine
Pyi	Ponderosa Pine
S	SPRUCE
Se	Engelmann Spruce
Sb	Black Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxb	Sitka x White
Sxl	Sitka x Lutz
Sxw	Sitka x unknown hybrid
Sz	Lutz
Sw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
A	APPLE
Ap	Pacific Crab Apple
At	TRUE BALSAM POPLAR or POPLAR
Ac	Poplar
Abb	Balsam Poplar
Act	Black Cottonwood
Ae	Aspen/Trembling Aspen
Ax	Hybrid Poplar
E	BIRCH/YU
Ep	Paper Birch
Ey	BIRCH
Ew	Alaska Paper Birch
Exp	Alaska x Paper Birch hybrid
Ew	Water Birch
Ey	Yellow Birch
K	Cascara
V	DOGWOOD
Vc	Pacific Dogwood
Vm	Choke Cherry
Vp	Pin Cherry
Vs	Red Osier Dogwood
Vw	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broadleaf Maple (bradleaf)
Mv	Vine Maple
Q	Oak
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wpr	Pacific Willow (Prairie's)
Wr	Red Willow (Northern Variety)
Wsp	Scouler's Willow
Wt	Sitka Willow (low-branch)

UNKNOWN - OTHER

X	unknown hardwood
Xc	unknown conifer
Xh	unknown hardwood
Xm	unknown conifer (tall)
Xo	other conifer
Xh	other hardwood

EXOTICS

Ya	APPLE
Yb	ASPEN, COTTONWOOD or POPLAR
Ayf	*Southern Cottonwood
Ay	*Poplar
Ep	European Birch
Ek	Erect Birch (swamp)
Ew	*Birch
Yd	DOGBERY
Yh	*Mountain Ash
Y	CYPRESS
Yn	*Nootka Cedar
Yr	*Western Red Cedar
Ya	AK (Eastern)
Yb	*Balsam Fir
Yf	*Fir
Yp	*Shasta Red Fir
Yb	*White Fir
Yg	LARCH
Ye	*European Larch
Yl	*Siberian Larch
Ym	*Larch
Yw	Pine Elder
Ym	*Norway Maple
Yo	*Manitoba Maple
Yp	OAK
Yq	*English Oak
Yr	*Red Oak
Yy	OTHER EXOTICS
Yw	*Incense Cedar
Yn	*Alaska Cedar
Yc	*Coast Redwood
Yb	Caraganan Mountain Ash
Yc	*Chinese Chestnut
Yf	*Common Filbert
Yh	*Horse Chestnut
Yl	*White Ash
Yw	*Black Walnut, Hickory
Yj	*Tree of Heaven
Yw	Japanese Walnut
Yp	PINE
Ym	*Monterey Pine
Ps	*Red Pine
Yp	*Scots Pine
Yp	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 - 29.4
4	29.5 - 37.4
5	37.5 - 46.4
6	46.5 - 53.4
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 estimates in the database have reference to a SI years at 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 as 50 or replaced by 0.

4e. ESTIMATED SITE INDEX

SI is estimated when no age & height is present or is inaccurate. Estimated SI is based on adjacent similar polygons & Associated fields in the data base are Inventory Type Group and Biogeoclimatic zone.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for U and Low-veh)

s	SHRUB TALL - shrub with average shrub height > or = to two metres.
w	SHRUB LOW - shrub with average shrub height < two metres.

NON-VEGETATED

a	Exposed Land
n	Rock / Rubble
e	Snow / Ice

NON-VEGETATED HERBS

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

NON-TREED SHRUBS

- sm SHRUB - MOSS - shrub with no distinction between mosses and lichens by cover.
- sh SHRUB - HEATH - shrub with ericaceous, heaths and ericaceous > 50% of the shrub cover.
- sp SHRUB - LICHEN - shrub with lichens > 50% of the shrub cover.

NON-VEGETATED CATEGORIES (for E and Low-veh)

a	ALPINE	
b	BEACH	
c	BEDROCK	
bu	BURNED AREA	
e	EXPOSED SOILS	
g	GLACIER	
i	ICEFIELD	
l	LAKE	
mu	MUD	
o	OTHER	
r	RIVER or LAKE SEDIMENTS	
s	SNOW PATCHES	
sw	SNOW	
w	WATER	
wf	WOOTLAT SEDIMENT	
wy	WOBBLY WAKE SPOILS	
ri	RIVER	
st	STONE	
sn	SNOW COVER	
sl	SLUDGE	
v	URBAN	
rv	RIVER / STREAM	
m	RESERVOIR MARGIN	
m	RAILWAY SURFACE	
m	ROAD SURFACE	
m	ROAD SURFACE	
b	TALUS	
m	TAILINGS	
v	URBAN	

Note: Water categories ea, ew, w, rv, ri not labelled over 80 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for E Records)

a	ALPINE	
bc	BURNED FOREST (Species Composition)	
cl	CLAY BANK	
cr	CROP or FORAGE	
gb	GRAVEL PIT	
ice	ICEFIELD	
mi	MINE	
mow	MOW WOOTLAT	
NF	NON-PRODUCTIVE	
NFB	NON-PRODUCTIVE BRUSH	
NFBG	NON-PRODUCTIVE BRUSH	
NFF	NON-PRODUCTIVE FOREST (Species Composition)	
OA	OPEN AGRICULTURE	
OG	OPEN GRASS	
P	HAYFIELD	
pa	PASTURE	
s	SWAMP	
SAND	SAND	
SILT	SILT / CLAY	
VEG	VEGETATED	
NC	NON COMMERCIAL	
NCB	NON COMMERCIAL BRUSH	
NP	NON PRODUCTIVE	
NPBRUSH	NON PRODUCTIVE BRUSH STOCKED	
NOT TYPED	NOT TYPED AVAILABLE	

Line 6 - Disturbance History

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

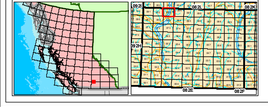
A	Animal Damage	L	Logging
B	Wildfire	M	Mine Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases - Trees	P	Cone and Seedling Fungal Pathogens
S	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

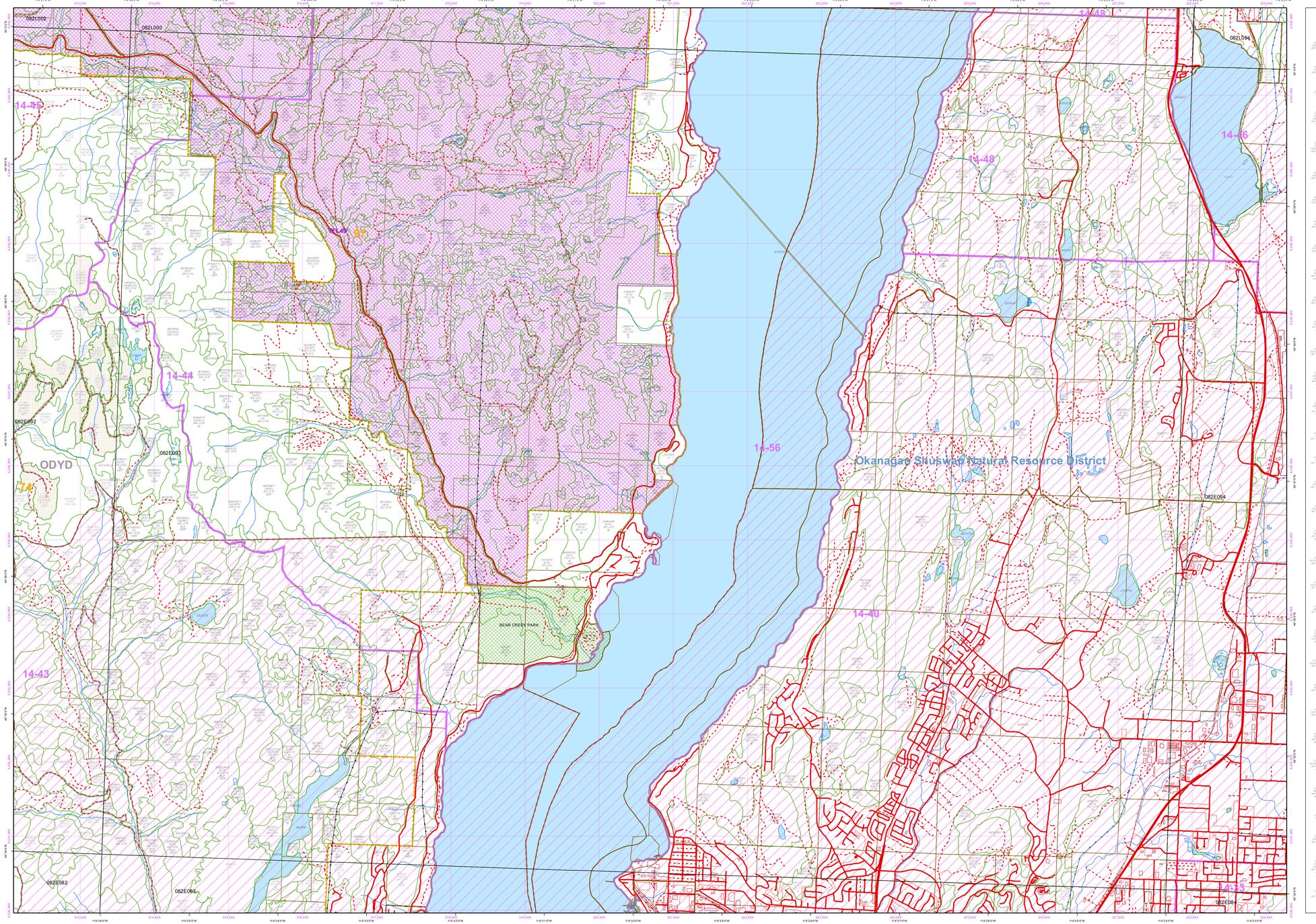
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMAP or ArcMap. The MapView example is of Harvest 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:

OPENINGS
OPENING LABELS
OPENING / PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
SILVICULTURE BLOCK
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

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