082L047

Vegetation Map
082L047

Scale 1:20,000

0 0.25 0.5 0.75 Kilometres

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 contained in this map is compiled from various sources. The administrative boundaries are 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
- Silviculture Opening in Vegetation
- Permanent Sample Plot (SYS)
- Research Installations

TRIM_Base Features:
- Ice And Rivers
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf ields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeatures - ESRI
- Watercourses - ESRI
- Waterbodies - ESRI
- Wetlands - ESRI
- Ocean - ESRI

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- BEC Region Competition - FADM
- Provincial Forest area - FADM
- Timber Supply Area Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary >= 1:500,000 (10 - 19.9 hectr)
- Municipal boundary >= 1:500,000 (Incl. 50 hectr)
- 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
x.x the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock)
4. Age Class, Height Class, Crown Closure Class, Site Index, Estimated Site Index
ex. stand is age class 2 (21-40 yrs), height class 1 (0.1-10 mt), crown closure class 1 (6-10%), 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:

OXXX - opening number valid for BCGS mapsheet *AXXX* - 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

Cw	CEDAR, Western Red Cedar
Yc	CEDAR, Yellow Cedar
F	DOUGLAS FIR
Fd	DOUGLAS FIR, Coastal Douglas Fir
Fm	DOUGLAS FIR, Interior Douglas Fir
Bg	FIR, Amabilis Fir
Bl	FIR, Grand Fir
Bg	FIR, Amabilis Fir (alpine)
H	HEMLOCK
Hw	HEMLOCK, Western Hemlock
Hm	HEMLOCK, Mountain Hemlock
Hxm	HEMLOCK, Western x Mountain Hemlock hybrid
J	JUNIPER
Jr	JUNIPER, Rocky Mtn. Juniper
Lw	LARCH, Western (tamarack)
La	LARCH
Lt	LARCH, Alpine Larch
Lw	LARCH, Western Larch
P	PINE
Pl	PINE, Lodgepole Pine
Pf	PINE, Limber Pine
Pl	PINE, Lodgepole Pine
Plc	PINE, Lodgepole Pine (contorta)
Ply	PINE, Lodgepole x Jack Pine hybrid
Pj	PINE, Jack Pine (banksiana)
Pa	PINE, Whitebark Pine
Pw	PINE, Western White Pine
Pb	PINE, Whitebark Pine
Py	PINE, Ponderosa
Sb	SPRUCE, Black Spruce
Se	SPRUCE, Engelmann x White
Sx	SPRUCE, White
Sxl	SPRUCE, White x Lutheran hybrid
Y	YEW
Yw	YEW, Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	ALDER, Red Alder
Dl	ALDER, Sitka
Up	ALDER, Paper (Oak) Alpine
A	ASPEN, COTTONWOOD or POPLAR
At	ASPEN, Trembling
Ate	ASPEN, Eastern Poplar
Act	ASPEN, Black Cottonwood
Ax	ASPEN, Trembling
Ts	ASPEN, Trembling Aspen
B	BIRCH/OAK
Ep	BIRCH, Paper
Bg	BIRCH, Water (swamp)
Bp	BIRCH, Paper
Bpa	BIRCH, Paper (white)
Bpe	BIRCH, Paper (birch yellow)
Ep	BIRCH, Paper
Ba	BIRCH, Alpine Birch
Bb	BIRCH, Bog
Bpa	BIRCH, Paper (white)
Bpe	BIRCH, Paper (birch yellow)
Ep	BIRCH, Paper
Ba	BIRCH, Alpine Birch
Bb	BIRCH, Bog
C	COTTONWOOD
Cx	COTTONWOOD, Black
Cp	COTTONWOOD, Balsam Poplar
Ac	COTTONWOOD, Black
Ax	COTTONWOOD, Trembling
Ep	COTTONWOOD, Paper Birch
Ea	COTTONWOOD, Eastern Poplar
E	DOGWOOD
Ep	DOGWOOD, Pacific (western flowering)
M	MAPLE
Mb	MAPLE, Bigleaf Maple (broadleaf)
Mv	MAPLE, Vine
O	OAK
Gy	OAK, Garry Oak
Ob	OAK, Bur
Wb	OAK, Black Willow
Wp	OAK, Pacific Willow
Wpb	OAK, Pacific Willow (Bendy's)
Wd	OAK, Willow (pipe dream)
Wp	OAK, Pacific Willow
Wbl	OAK, Willow (black licorice)

UNKNOWN - OTHER

X	UNKNOWN
Xh	UNKNOWN, Hardwood
Xh	UNKNOWN, Hardwood
Z	OTHER (tree not in list)
Zh	OTHER, Hardwood
Zh	other hardwood

EXOTICS

Ve	APPLE
Vx	ASPEN, COTTONWOOD or POPLAR
Ax	ASPEN, Trembling
Act	ASPEN, Black Cottonwood
Bbe	BIRCH, European Birch
Be	BIRCH, Silver Birch (swamp)
Bp	BIRCH, Paper
Bpa	BIRCH, Paper (white)
Bpe	BIRCH, Paper (birch yellow)
Ep	BIRCH, Paper
Ba	BIRCH, Alpine Birch
Bb	BIRCH, Bog
Cy	CYPRESS
Yc	CYPRESS, Nootka Cedar
Fd	DOUGLAS FIR, Coastal Douglas Fir
Fm	DOUGLAS FIR, Interior Douglas Fir
Bg	FIR, Amabilis Fir
Bl	FIR, Grand Fir
Bg	FIR, Amabilis Fir (alpine)
Lt	LARCH, Alpine Larch
Lw	LARCH, Western Larch
Mv	MAPLE, Vine
Mb	MAPLE, Bigleaf Maple
Mr	MAPLE, Red
Ms	MAPLE, Sycamore Maple
Wc	OAK, Coyote Cak
Ow	OAK, White Oak
Pl	PINE, Lodgepole Pine
Pla	PINE, Lodgepole Pine (alpine)
Pm	PINE, Monterey Pine
Pp	PINE, Ponderosa Pine
Pw	PINE, White Pine
Pwa	PINE, White Pine (alpine)
Pwb	PINE, Whitebark Pine
Pwe	PINE, White Pine (western)
Pwl	PINE, White Pine (limber)
Py	PINE, Ponderosa Pine
Pyl	PINE, Lodgepole Pine
Sb	SPRUCE, Black Spruce
Sw	SPRUCE, White Spruce

Line 4

4a. AGE CLASS

CODE	LIMITS (years)
1	1-20
2	21-40
3	41-80
4	81-80
5	101-120
6	121-140
7	141-250
8	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)
1	0 - 5
2	6 - 10
3	11 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
0	86 - 100

4d. SITE INDEX

Site Index is the mean tree height of 50 years. Breast Height age. It is based on the age and height of the leading species. Which accurate SI cannot be calculated from age and height (estimated SI) is entered here.

4e. ESTIMATED SITE INDEX

SI is estimated when species SI does exist but is not present, e.g. young stands (<30yrs). It is denoted by a dash which always precedes the SI number. Site Index Estimates are Inventory Type Group and SI Estimated source codes.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for Y and L records):

NON-TREE SHRUB

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

NON-TREE 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-TREE MOSS

bg	BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
bm	BRYOIDS - MOSSES - bryoid with mosses comprising > 50% of the bryoid cover.
bl	BRYOIDS - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records):

ra	AIRPORT	gl	GRAVEL PIT	mu	MUCK/PAT SEDIMENT
rc	CLEARING	gp	GRAVEL PIT	mw	MUDFLT WARE SPACE
rd	DOCK/FIELD	lk	LAKE/ED	oc	OCEAN
rm	MARINA	lr	LAKE/RES	os	OTHER SURFACE
rs	SUBMICA/AREA	ss	SNOW/ICE/PERMANENT	ow	OVER COVER
rt	CUSTOM	mi	OPEN PIT MINE	rr	RESERVOIR
rz	MISCELLANEOUS	rp	ROCK/RUBBLE	rv	RIVER/STREAM
rz	ALKERN				

Note: Water categories should be recorded over the polygon coverage.

rr	RESERVOIR MARGIN		
rs	RAILWAY SURFACE		
rr	RIVER SEDIMENTS		
rs	SALINE		
rs	SALINE SURFACE		
s	TAILINGS		
t	TAILINGS		
u	URBAN		

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F records):

A	ALPINE	NP	NON-PRIND
AT	ALPINE TUNDRA - Dryas/ex	NPBR	NON-PRODUCTIVE BRUSH
B	BARREN	NPBU	NON-PRODUCTIVE BURNED
C	CLAY BANK	NPFL	NON-PRODUCTIVE FOREST Species
G	GRAVEL BAR	NPA	NOT-TYPING AVAILABLE
I	ICE FIELD	O	OPEN
ICE	ICEFIELD	P	WATER BOD
M	MEADOW	R	ROCK
MS	MEADOW - Sedge	S	SWAMP

SAND	SAND		
TIDE	TIDAL FLAT		
URBAN	URBAN		
NC	NON-COMMERCIAL		
NCBR	NON-COMMERCIAL BRUSH		
NP	NON-PRODUCTIVE		
NSR	NOT SUFFICIENTLY RESTOCKED		
NVA	NOT TYPING 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	L	Logging	R	Site Rehabilitation
B	Birds	M	Mite Damage	T	Treatment/Injuries
C	Cone and Seed Insects	N	Nutrient/Soil Injuries	U	Unknown/Other
D	Diseases	O	Cone and Seedling Fungi/Pathogens	V	Problem Vegetation
I	Insects				

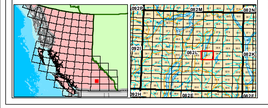
Example Opening History Details

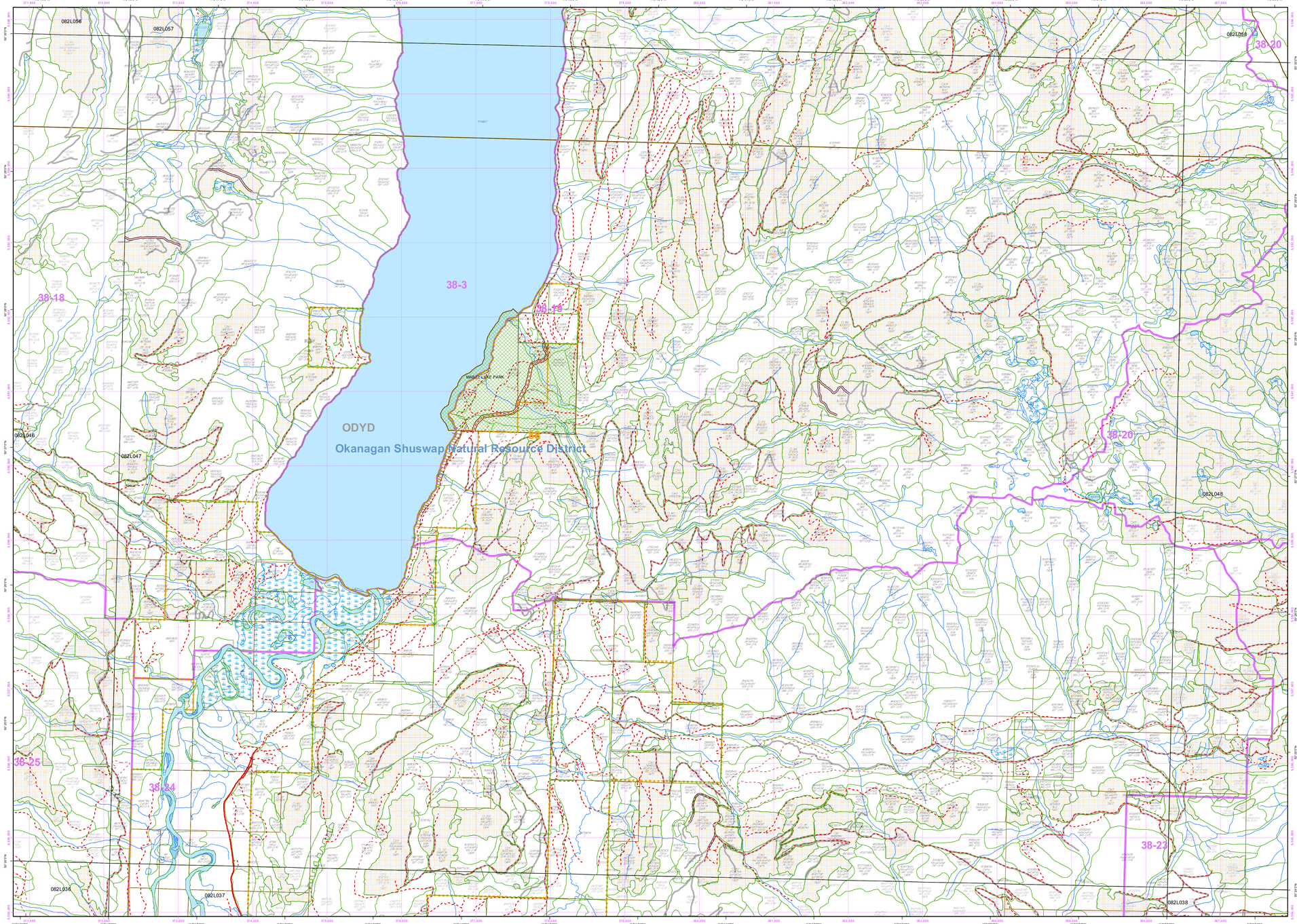
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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 Map" to turn on display values for :

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







Overflow Labels

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