083D021

Vegetation Map
083D021

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 / Terrain

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 displayed on this map is derived from the Base Cadastre (administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revisions June 2014)

Labels Projected To January 1, 2015

MAP SYMBOLOGY

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

TRIM - Base Features:
- 4x Built Roads
- Forest/Tenure Road Lines
- Forest Roads
- Rough Roads
- Trails-Cutlines
- Railways
- Air Parkes
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrid/wetlands - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

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 (< 1:200,000 ha - 15 % hatch)
- Municipal boundary (> 1:200,000 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), with Fd making up 60% of the stocking, Cw (Western Red Cedar) is estimated to
4 ex. stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Description)
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 — ZERO — 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 4.5 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Yc	Yellow Cedar
Y	CYPRESS
Yc	Yellow Cedar
Cw	Western Red Cedar
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fd	Interior Douglas Fir
Bl	FIR (Balsam)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxw	Mountain x Western Hemlock hybrid
J	JUNIPER
Ju	Rocky Mtn. Juniper
Ji	Creeping Juniper
L	LARCH
Lp	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plxj	Lodgepole x Jack Pine hybrid
Pli	Ponderosa Pine (yellow)
Pw	Western White Pine
Pw	Western White Pine
Pfx	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Engelmann Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Espelmann x White
Sxl	Sitka x White
Sxw	Sitka x White(unknown hybrid)
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
D	APPLE
Up	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Abb	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
Ad	Trembling Aspen
A	ARBUTUS
Ra	Arbutus
B	BIRCH
Ea	Alaska Paper Birch
Ebp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
E	OREGON
Ko	Cascara
Kc	Chokecherry
Vb	Bitter Cherry
Vv	Choke Cherry
Vu	Pin Cherry
Z	DOGWOOD
Dp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
Qx	Oak hybrid
Wb	Bebb's Willow
Wp	Pacific Willow
Wb	Peach-leaved Willow (Bebb's)
Wp	Pacific Willow (pre Averett)
Ws	Scouler's Willow
Wl	Sitka Willow (late leaved)

UNKNOWN - OTHER

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

EXOTICS

Ue	APPLE
	ASPEN, COTTONWOOD or POPLAR
Ax	*Southern Cottonwood
	BIRCH
Ex	European Birch
Ex	Silver Birch (swamp)
Ey	*Yellow Birch
	CHERRY
Ys	*Sweet Cherry
	CYPRESS
Yp	*Port Orford Cedar
	FIR (Balsam)
Bb	*Balsam Fir
Bc	*Corkbark Fir
Bm	*Shasta Red Fir
Bc	*White Fir
	LARCH
Ld	*Dahurian Larch
Le	*European Larch
	MAPLE
Me	Box Elder
Mr	*Red Maple
Mt	*Tatarian Maple
	OAK
Qe	*English Oak
Qw	*White Oak
	OTHER EXOTICS
Oa	*Incense Cedar
Ob	*Giant Sequoia
Oc	*Coast Redwood
Od	European Mountain Ash
Oe	Siberian Elm (southern)
Of	*Common Ash
Og	Oregon Ash
Oh	*White Ash
O	*Shagbuark Hickory
Ot	Tree-of-Heaven
Ow	*Black Walnut
	PINE
Pm	*Monterey Pine
Pp	*Ponderosa
Pa	*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

All SI are shown to the nearest metre referenced at 50 years breast height age. Site index curves are based on dominant and co-dominant leading species. Where an accurate SI cannot be obtained from 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, eg. Non-forested polygons. The SI is estimated by the most experienced photo interpreters if. Associated fields in the data base are Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

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

NON-TREED SHRUB
- sl SHRUB TALL — - shrub with average shrub height > or = to two metres.
- s SHRUB LOW — - shrub with average shrub height < two metres.

NON-TREED HERB
- hg 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 BRYOID — - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS — - bryoid with mosses, liverwork, and hornwork > 50% of the bryoid cover.
- bl BRYOID - LICHENS — - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

w WATER	gl GLACIAL ICE	mu MUDFLAT SEDIMENT
be BEACH	la LAKE	mv RUBBLY MINE SPOILS
bl BLOCKFIELD	lb LAVA BED	o OCEAN
br BEDROCK	l LANDING	p PONDING
bu BURNED AREA	fs POND FOR TAILINGS SEDIMENTS	s SNOW COVER
ds DEBRIS	ps POND FOR PULP MILL	r RESERVOIR
ei EXPOSED SOILS	rec MORAINE	v RIVER / STREAM
g GLACIER		

Note: Water categories (w, be, re, o) not labelled over 50 percent coverage

- rm RESERVOIR MARGIN
- rw RAILWAY SURFACE
- re RIVER SEDIMENTS
- ro ROAD SURFACE
- ta TALUS
- ti TAILINGS
- u URBAN

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I records)

A ALPINE	NP NON PRODUCTIVE	SAND SAND
BY BRYOID FOREST (Species	NPBR NON PRODUCTIVE BRUSH	TC TILL FLAT
C CULTIVATED	NPBS NON PRODUCTIVE BURN	URBAN
CL CLAY BANK	NPF NON PRODUCTIVE FOREST (Species	
DL DRAINED LAKE	NTA NO TYPING AVAILABLE	NC NON COMMERCIAL
GR GRAVEL BAR	OR OPEN RANGE	NCBR NON COMMERCIAL BRUSH
ICE ICEFIELD	R ROCK	NP NON PRODUCTIVE
M MEADOW	S SWAMP	NDR NOT SUFFICIENTLY RESTOCKED
MUD MUDFLAT		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-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

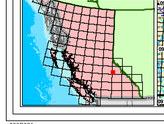
Example Opening History Details

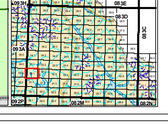
Detailed Silviculture information is available on the BCGW through MAPVIEW and iMap. The MapView example is of the record RESULTS data.

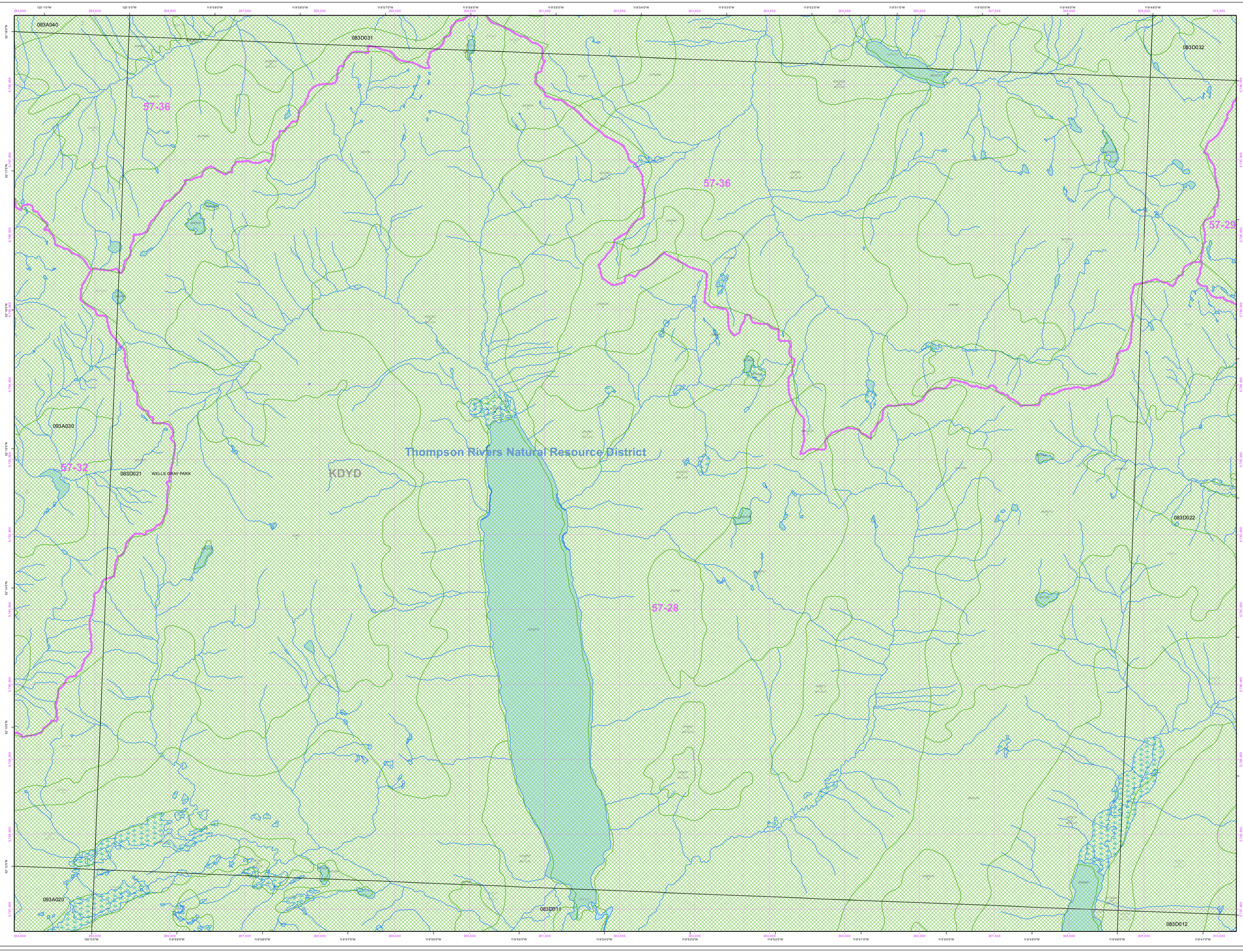
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

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









Overflow Labels

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