082M031

Vegetation Map
082M031

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRMS 1 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 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
- Silviculture Opening in Vegetation
- Permanent Sample Plot (VRI3)
- Research Installations

TRIM - Base Features:
- 4x Audit Routes
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Planes
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroelectric Works - 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 Licences - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary (< 1,000,000 ha - 15 % tech)
- Municipal boundary (> 1,000,000 ha) - No tech)
- 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:

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Cd7
Fd3 Lw3 Sx2 Bl2
Sx2 Fd1
Bl2 Sx1
```

LINE DESCRIPTION
1. Silviculture symbol and Opening Number
2. Polygon Number - single-multi-layer stand indicator (L)
3. Species Composition
   ex. the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
4. Age, Height, Crown Closure Class Code - separator: 5 for index / estimated SI
   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. Non-Tree Vegetation Cover - separator: see Description
   ex: a herb polygon with no distinction between forbs and gramminoids, shrubs less that 2m.
6. Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

opening number valid for RCOS mapsheet — ooo# - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRMS 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	Western Red Cedar
Y	CYPRESS
Yc	Nootka Cypress
J	DOUGLAS-FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Bg	Grand Fir (Balsam)
Bl	Grand Fir
Bl	Subalpine Fir (alpine)
Bl	Alpine Fir
Hw	Mountain Hemlock
Hw	Western Hemlock
Hwxh	Western Hemlock-Hemlock hybrid
P	JUNIPER
J	Rocky Mtn. Juniper
Lw	Western Larch
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
PINE	
Pl	Lodge Pole
Pl	Lodge Pole
Pl	Lodgepole Pine
Pli	Lodgepole Pine (Interior)
Plc	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pw	Western White Pine
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Spruce Hybrid
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Interior Spruce
Sxl	Sitka x White
Sxl	Sitka x unknown hybrid
Ss	Sitka Spruce
Yw	Western Yew

NATIVE HARDWOODS

D	Red Alder
Dr	Red Alder
U	APPLE
Ag	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
At	Trembling Aspen
Act	Black Cottonwood
Ax	hybrid Poplars
Ax	Black Cottonwood
H	ARBUTUS
Ra	Arbutus
E	Garry Oak
Ep	Alaska Paper Birch
Epp	Alaska x Paper Birch hybrid
Ew	Paper Birch (white)
Ew	Water Birch
K	DOGWOOD
K	Pacific Dogwood
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
G	GOOSEBERRY
Gs	Black Gooseberry (western)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
Qx	Oak hybrid
Xb	Bebb's Willow
Xbp	Pacific Willow
Xbs	Bebb's x Sitchen (Barclay's)
Xbd	Peace Willow (grey leaved)
Xb	Scouler's Willow
Xh	Hooker's Willow (thin leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xl	unknown (broadleaf)
Xo	other conifer
Zx	other hardwood

EXOTICS

A	APPLE
Ag	Apple
At	ASPEN, COTTONWOOD or POPLAR
Ew	Siberian Cottonwood
Ew	European Birch
Ey	Cut-leaved (weeping) Birch
Ey	Yellow Birch
CH	CHERRY
Yb	Mazzard Cherry
Y	CYPRESS
Yp	**Port Orford Cedar
L	LARCH
Lk	**Siberian Larch
Lj	**Japanese Larch
MAPLE	
Mr	**Norway Maple
Ms	**Sycamore Maple
OAK	
Qr	**English Oak
Qw	**White Oak
PINE	EXOTICS
Pa	**Austrian Pine
Pf	**Giant Sequoia
Pm	**Monterey Pine
Pn	**Scots Pine
Pp	**Ponderosa Pine
Pr	**Red Pine
Pw	**Western White 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 whenever a SI1 years breaking applies. When an accurate SI is derived from a breaking applies. When an accurate SI is derived from a sample and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees are not present, e.g. in a recently logged stand. SI is derived from one of which always precedes it. Associated fields in the data base are Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (5a-V and I species)

NON-TREED SHRUB
- d SHRUB TALL - shrub with average shrub height > or =1m tall.
- s SHRUB LOW - shrub with average shrub height < 1m in height.

NON-TREED HERB
- h HERB - herb with no distinction between forbs and grammoids.
- w HERB - FORBS - herb with forbs > 50% of the herb cover.
- g HERB - GRAMINOID - herb with gammoids > 50% of the herb cover.

NON-TREED MOSS
- by BRYOID - bryoid with no distinction between moose and lichens by cover.
- m MOSS - MOSSES - bryoid with mosses > 50% of the bryoid cover.
- ly BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (5a-V and I species)

ap	ASPHALT	mu MUDFLAT SEDIMENT
be	BEACH	ml KUMBELY MINE SPOILS
bl	BOULDERFIELD	mz OTHER
br	BEDROCK	oc OTHER
bu	BURNED AREA	s POND or LAKE SEDIMENTS
cb	CLIFF/BANK	ri RIVER
ex	EXPOSED SOILS	rm RIVER / STREAM
gl	GLACIER	

rm	RESERVOIR MARGIN	
rw	RAILWAY SURFACE	
ro	ROAD SURFACE	
rp	ROAD SURFACE	
sl	SLUG	
sn	SNOW	
w	WATER	

Note: Water categories (w, ss, ri, rv) not labelled over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (5a-V records)

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	O	OTHER (SPECIFIABLE)
GM	GRAVEL PIT	OPEN	OPEN RANGE
ICE	ICEFIELD	F	HAYFIELD
MUD	MUD FLAT	P	PASTURE
MUS	MUSKEG	S	SWAMP
SAND	SAND		
SF	SILT FLAT		
URBAN	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NSR	NOT SATISFACTORILY RESTOCKED		
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.

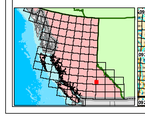
A	Animal Damage	L	Logging
C	Cone Crop	N	Site Damage
D	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	S	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

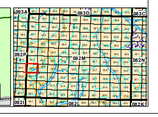
Example Opening History Details

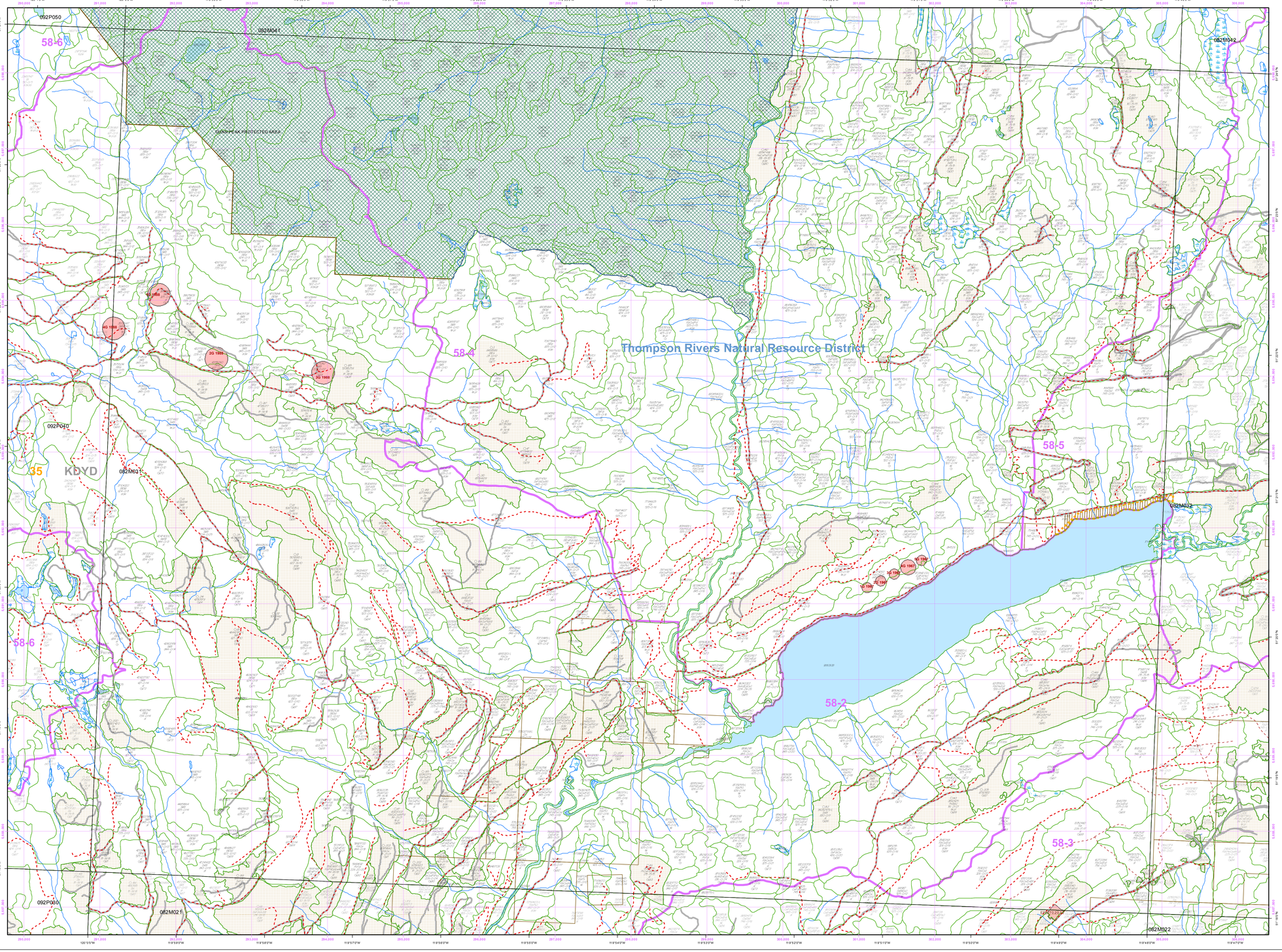
Detailed Silviculture information is available on the BCGW utilizing either RIF or ArcMap. The MapView example is of Harvest RESULTS data.

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 Map" to turn on display values for:

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



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082M041
082M042
58-6
58-4
58-5
58-2
58-3
35
KDYD
082M031
082M032
082M021
082M022
092P080
092P040
GUNNPEAK PROTECTED AREA
Thompson Rivers Natural Resource District
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