082M071

Vegetation Map
082M071

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRMS / Ownership
Base Map Source: TRIM / Terrain

This map created from information stored digitally in the BC Geographic Warehouse. The map has been structured to support the business functions of the Ministry of Forests, Lands, and Natural Resource Operations. The information displayed may not be complete and is in the process of being updated. Administrative boundaries and the Ownership colour theme are for reference purposes only. Cutgrid revisions June 2014.

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM - Base Features:
- All-Built Roads
- Forest Service Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airstrips
- Other Area
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrodrainans - 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 (> 1:250,000 ha - 15 % hatch)
- Municipal boundary (< 1:250,000 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:

Line1: DESCRIPTION
1 Structure symbol and Opening Number
2 Polygon Number and multilayer 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
5 Vegetated or Non-Vegetated Code - separator: Site Index / estimated SI
6 Vegetated Density Class, or Non-Forest Productive Descriptor
ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
7 Disturbance History & year - ex: Logged in 1978.

Line 1 - History Record Opening Number

OGR - opening number valid for BCGS mapsheet
ZERO - 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 "Tree B.C. Ministry of Forests Tree Code List" version 4.5 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Y	Yellow Cedar
D	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Ba	Amabilis Fir
Bl	Alpine Fir
Bp	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
L	LARCH
Lw	Rocky Mtn. Juniper
Ja	Sweetie Juniper
P	PINE
Pl	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (Interior)
Pli	Lodgepole Pine (Coastal)
Pli	Lodgepole Pine x unknown hybrid
Pp	Ponderosa Pine (yellow)
Pw	Western White Pine
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sit	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Hybrid white spruce
Sxl	Spruce x unknown
Sxs	Sitka x unknown hybrid
Yc	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
D	Red Alder
U	APPLE
Ua	Pacific Crab Apple
Ax	ASPEN / COTTONWOOD or POPLAR
Ac	Poplar
Ato	Balsam Poplar
At	Trembling Aspen
Ax	Hybrid Poplars
At	Trembling Aspen
B	BIRCH
Bp	Paper Birch
Bpa	Alaska x Paper Birch hybrid
Bpl	Paper Birch (white)
E	ALDER
K	CASCARA
Kc	Cascara
Kd	Cascara
Vc	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Q	DOGWOOD
Qg	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gp	Garry Oak
W	WILLOW
Wa	Pacific Willow
Wb	Scouler's Willow (Barrelley's)
Wp	Pussy Willow (prairie & swamp)
Wr	Sooke's Willow
Ws	Silky Willow (Hookeri)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xl	unknown broadleaf (alt)
Z	Other (alpine)
Zz	other hardwood

EXOTICS

U	APPLE
Ue	Apple
Ax	ASPEN, COTTONWOOD or POPLAR
Ab	"Southern Cottonwood
E	ALDER
Ea	European Birch
Eo	Silver Birch (swamp)
Ep	European Birch
OG	GREY
Vs	Sweet Cherry
Vy	Yoshino
Y	YEW (Pacific) Cedar
Yew	FR (Subalpine)
Be	Beech
Bn	Norway Fir
Bm	"Shasta Red Fir
Bg	"Grand Fir
LW	LARCH
Lt	"Tamarack Larch
Lk	"Japanese Larch
MA	MAPLE
Mr	Red Maple
Mh	"Hysamore Maple
Mp	"Norway Maple
OA	OAK
Oa	"English Oak
Ow	"White Oak
OTH	OTHER SPECIES
Ch	"Horsechestnut
Ob	"Black Walnut
Oj	"Japanese Walnut
PINE	PINE
Pn	"Monterey Pine
Pc	"Corsican Pine
Ps	"Scots Pine
SPRUCE	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)
1	0 - 5
2	6 - 15
3	16 - 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

All SI are shown to the nearest metre referenced at 50 years breast height age. Where SI is estimated (E) or presumed (P) from existing data, SI is adjusted to correspond to above base age 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. immature stands, stands with a history of fire, or where previous stand attributes (i.e. Associated Trees in the data base) are inherently Type Group and SI/E estimated source code.

Line 5 - Vegetation records

VEGETATED: NON-TREE CATEGORIES (1st V and 1st or 0th)

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

NON-TREED HERB
- he - HERB
- hf - HERB - FORBS - herb with no distinction between forbs and graminoids.
- hg - HERB - GRAMINOIDS - herb with forbs > 50% of the herb cover.
- herb with graminoids > 50% of the herb cover.

NON-TREED SHRUB
- sb - SHRUB - BROAD - broad with no distinction between mosses and lichens by cover.
- sm - SHRUB - MOSS - broad with mosses, liverwort, and hornwort > 50% of the broad cover.
- sl - SHRUB - LICHENS - broad with lichens > 50% of the broad cover.

NON-VEGETATED
- n - Rock / Rubble
- w - Snow / Ice

NON-VEGETATED CATEGORIES (2nd V and 2nd or 0th)

air	AIRPORT	cr	CRAWL PIT
bl	BOULDERS	l	LAKE
bf	BOGGY/FEN	ls	LAKE SED
br	BEDROCK	t	LANDING
cb	CUTBANK AREA	ms	MISC LAND SEGMENTS
cu	CUTBANK	o	OPEN PIT MINE
ew	EXPOSED ROCK	ow	WORKING
ga	GRAVEL		
gb	GRAVEL BAR		
gp	GRAVEL PIT		
m	MEADOW		
mud	MUD FLAT		
ro	ROCK OUTCRP		
s	SWAMP		
rs	RESERVOIR MARGIN		
rw	RAILWAY SURFACE		
rz	RIVER SEDIMENTS		
rd	ROAD SURFACE		
sl	SLIDE		
tr	TAILINGS		
ur	URBAN		
rr	RIVER / STREAM		

Note: Water categories (l, ls, rr, rs) are labeled on 95 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (2nd V records)

ALPINE		NP	NON PRODUCTIVE
AF	ALPINE FOREST-Species	NPBR	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLEARING	NPSI	NON PRODUCTIVE FOREST-Species
G	GRASS / HERB	NTA	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
H	HERB	R	ROCK
M	MEADOW	S	SWAMP
MUD	MUD FLAT		
SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NF	NON FOREST		
NSR	NOT SUFFICIENTLY 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.

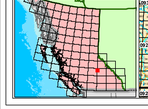
A	Animal Damage	L	Logging
B	Wildfire	M	Mid-Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects	R	Site Rehabilitation
S	Silvicultural Injuries	U	Damage Unknown
V	Problem Vegetation		

Example Opening History Details

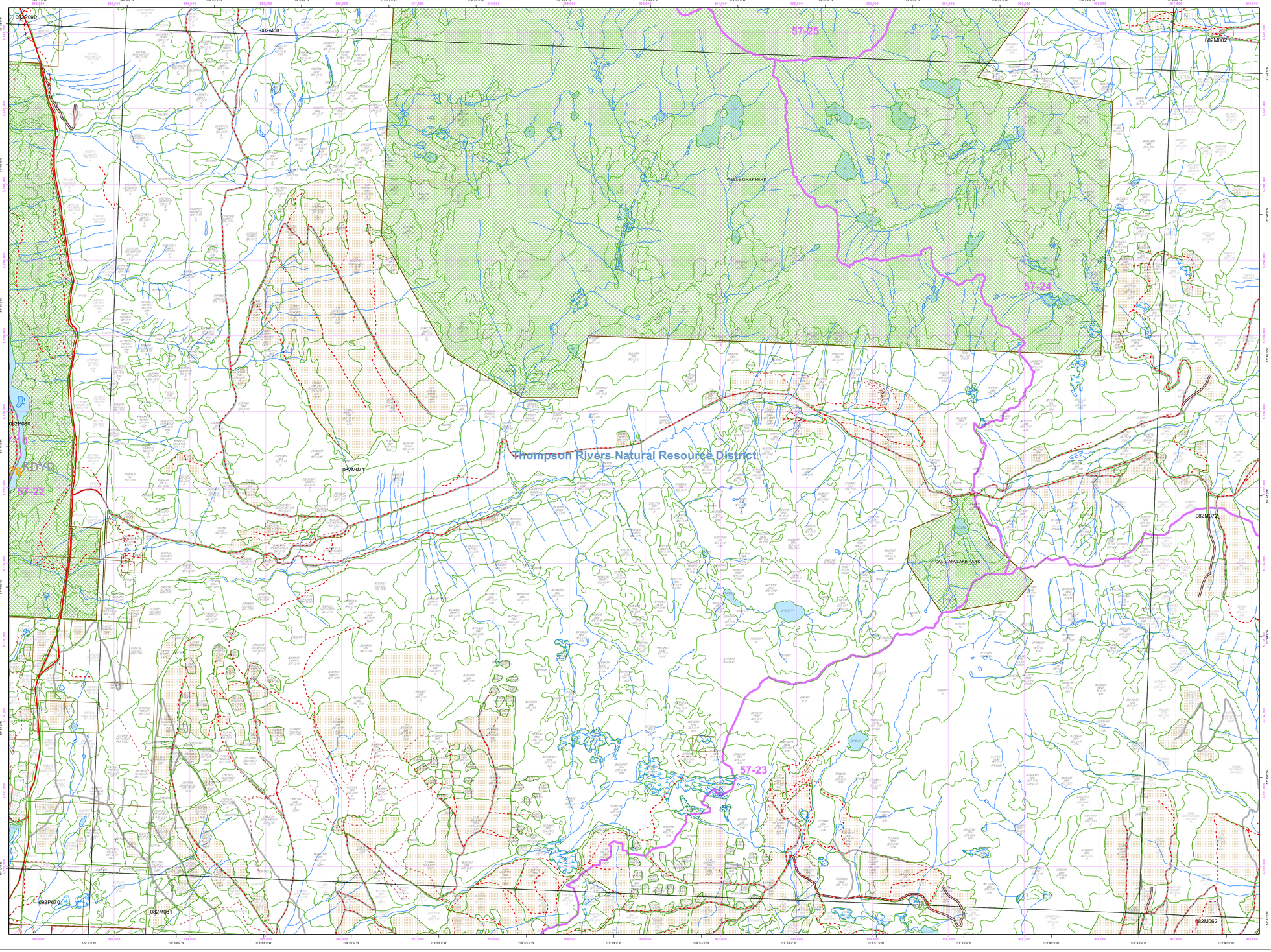
Detailed Silviculture information is available on the BCGW utilizing either ArcMap. The MapView example is of Harvest RESULTS data.

The Ministry of Forests, Mines and Lands web application "Map Place" provides access to these same detailed information. Select the SILVICULTURE and then click on "Display Silviculture Map" to turn on/ display/ selects for:

- OPENING
- OPENING LABELS
- OPENING - PLANTING ACTIVITY
- ACTIVITY TREATMENT UNIT
- CUTBLOCKS
- SILVICULTURE FOREST COVER
- WILDFIRE TREE PATCH







Overflow Labels

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