083D071

Vegetation Map
083D071

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 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 (GYS)
- Research Installations

TRIM - Base Features:
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrodrillarea - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

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 hat - 15 % hatch)
- Municipal boundary (= 1:250,000 hat - 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:

OP 1 / E1 / FDPM / 2M / 1 / GP29

LINE DESCRIPTION
1 Silviculture symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
ex. the most important tree is described as Fd (Douglas Fir) and Hw (Western Hemlock);
Pm (Lodgepole Pine) is the secondary Class Code - separator - 9 tree Index / estimated SI
ex. stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 5 (6-15%), 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

OP - opening number valid for BCGS mapsheet — OGW - 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 labled 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
Cw	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)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Interior Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Plx	Lodgepole Pine (unknown)
Pw	Western White Pine
Pxw	Whitebark Pine
Px	Hybrid Pine
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	White Spruce hybrid
Sxl	Sitka x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dl	Sitka Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Ab	Balsam Poplar
Ad	Black Cottonwood
Ac	Hybrid Poplars
Ai	Trembling Aspen
Ap	Balsam Poplar
Ax	Hybrid
E	BIRCH
Ep	Alaska Paper Birch
Ekp	Alaska Paper Birch hybrid
Ew	Paper Birch (white)
Ek	Alaska Birch
K	CASCARA
Ky	Cascara
V	WILLOW
Vc	Bitter Cherry
Vn	Choke Cherry
Vp	Pin Cherry
Z	DOGWOOD
Qp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
G	GARRY OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wr	Peach-leaved Willow (Bardaly)
Ww	Pussy Willow (grey-leaved)
Ws	Scouler's Willow
Wt	Sitka Willow (tree-leaved)

UNKNOWN - OTHER

X	unknown conifer
Xc	unknown hardwood
Xh	unknown (broad-leaf or non-tall)
Y	other conifer
Yh	other hardwood

EXOTICS

Ua	APPLE
Ax	ASPEN, COTTONWOOD or POPLAR
Ae	*Southern Cottonwood
E	BIRCH
Ej	*Japanese White Birch
Es	*Swedish Birch (swamp)
Ey	* Yellow Birch
Ew	DOGBERY
W	*Sweet Cherry
Wy	*Bird Cherry
C	CEDAR
Cv	*Port Orford Cedar
Lx	*Dahurian Larch
Lu	*European Larch
M	MAPLE
Mr	Box Elder
Mn	*Norway Maple
Ms	*Sycamore Maple
Oa	OAK
Qr	*English Oak
Qw	*White Oak
	OTHER EXOTICS
Cl	*Incense Cedar
Cn	*Western Red Cedar
Cc	*Coast Redwood
Gd	European Mountain Ash
Gi	Siberian Elm (southern)
Gp	*Golden Larch
Gy	Oregon Ash
Gt	*White Ash
Gn	*Green Ash hybrid
Q	Tree of Heaven
Qs	Japanese Walnut
S	SPRUCE
Pm	*Montana Pine
Pi	*Red Pine
Ps	*Scots Pine
S	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 - 18.4
3	18.5 - 28.4
4	28.5 - 37.4
5	37.5 - 44.4
6	44.5 - 53.4
7	53.5 - 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 known to the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the dominant and co-dominant trees. Site index is based on site inventory 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, e.g. young stands (<30yrs). It is denoted by a slash which always precedes the estimated number. The slash is also mandatory. Type Group and SI Estimated source code.

Line 5 Vegetation records

VEGETATED NON TREE CATEGORIES (for V and I records)

NON-TREED SHRUB
- st SHRUB TALL - shrub with average shrub height > or = to two metres.
- su SHRUB LOW - shrub with average shrub height < two metres.

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

NON-TREED BRYOID
- by BRYOID - bryoid with no distinction between moses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses dominant, moss > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- rl Exposed Land
- rs Snow / Ice
- w Water / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gr	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mr	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lb	LAVA BED	ms	MINE SEDIMENTS
bi	BRIDGE/RAMP	li	LINEAR	o	OTHER
cl	CLIFF/CANYON	ls	LAKE SEDIMENTS	ps	SNOW COVER
cu	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
es	EXPOSED SOILS	mm	MORAINE	r	RIVER / STREAM
gl	GLACIER				

rm RESERVOIR MARGIN
rr RAILWAY SURFACE
sd ROAD SEDIMENTS
su ROAD SURFACE
ta TALUS
ta TALUS
ur URBAN

Note: Water categories (la, ls, r, re) are labelled over all percent coverage.

NON-FOREST (NON-PRODUCTIVE DESCRIPTOR CODES (for V records)

AF	ASPHALT FOREST	MRSH	MARSH
AP	ASPHALT FOREST Species	MSB	NON-PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLEARING	NPF	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NPA	NOT PREVIOUSLY MAPPABLE
GR	GRAVEL PIT	OPN	OPEN RANGE
ICE	ICEFIELD	P	HAYFIELD
M	MEADOW	R	ROCK
MU	MUDFLAT	S	SWAMP

RANG SAND
TIDE TIDAL FLAT
U URBAN

NC NON COMMERCIAL
NCBR NON COMMERCIAL BRUSH
NP NON PRODUCTIVE
NSR NOT SUFFICIENTLY RESTOCKED
NPA NOT PREVIOUSLY MAPPED

Line 6 - Disturbance History

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

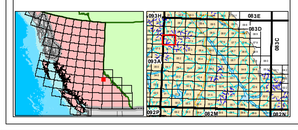
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

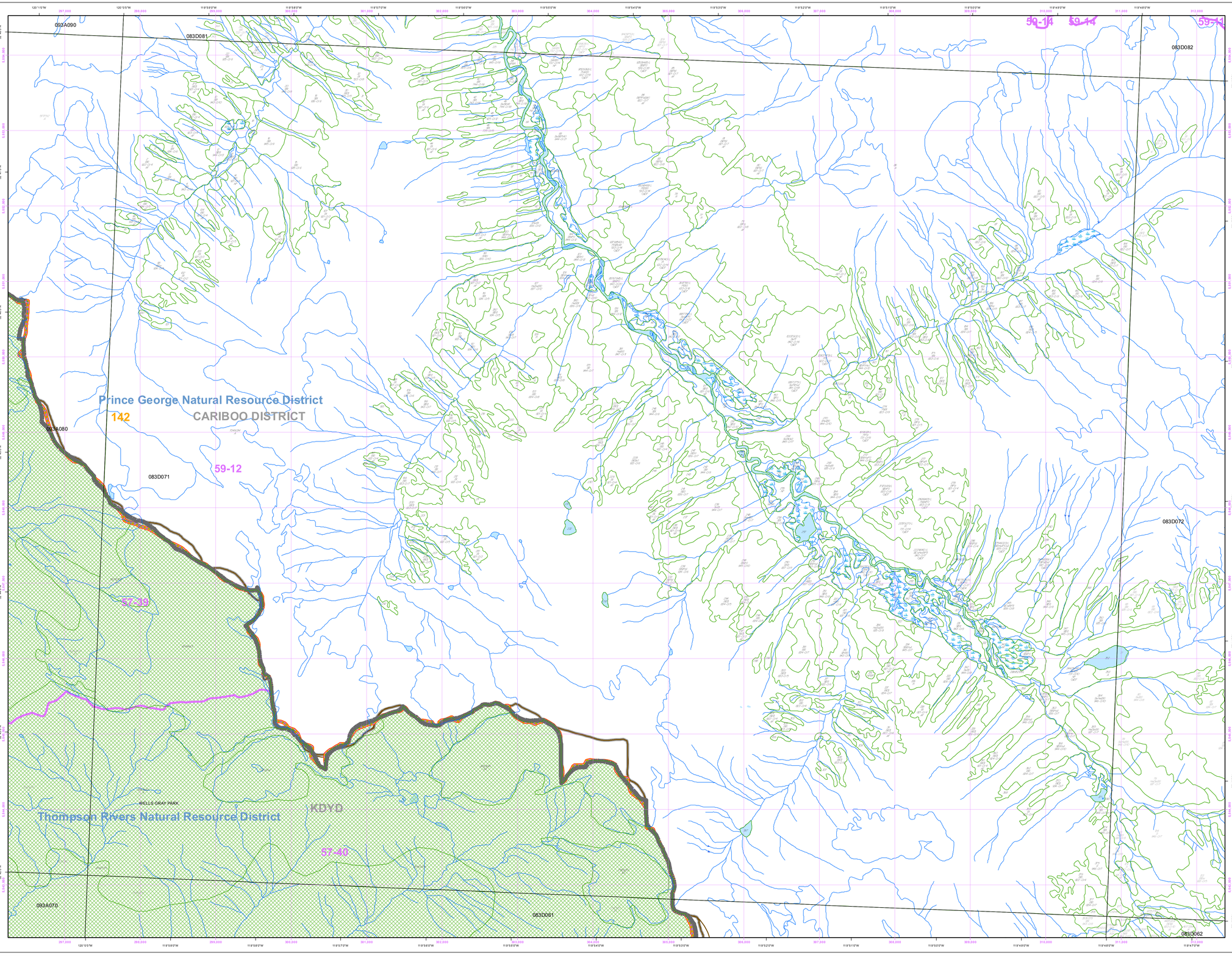
Example Opening History Details

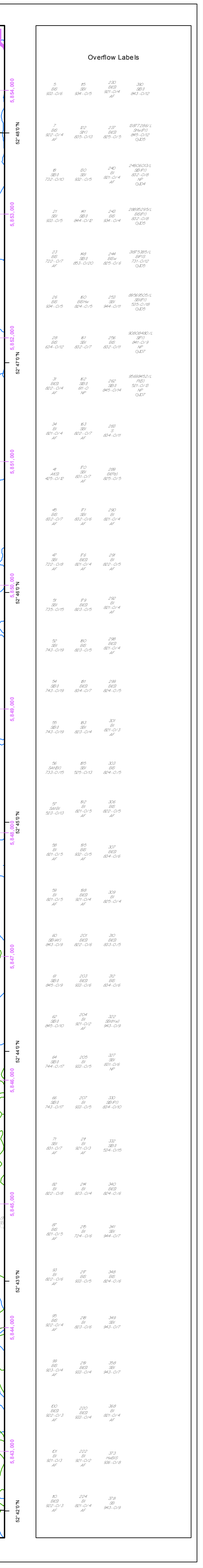
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH







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