092P049

Vegetation Map
092P049

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

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 / 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 on this map is derived from 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
- Structure Opening in Vegetation
- Permanent Sample Plot (VRI)
- Research Installations

TRIM, Base Features:
- Au Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- HydroMan/Barriers - 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 (< 1:500,000 ha - 1% % hatch)
- Municipal boundary (> 1:500,000 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:

Cw 45 Fd 30 Fdi 20 Ac 5 Bg/D

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 (Douglis Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class code - separator. Site Index = estimated (S)
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 Species Composition - Non-dominant species (minor components)
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

nnnn - opening number valid for BCGS mapsheet zzzzz - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
Multi-layered stand(s) a separate description of each layer is available in the data base, (ie. 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

CODE	LABEL
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	Subalpine Fir
Bg	Grand Fir
Bl	Alpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwk	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sweede Juniper
L	LARCH
La	Subalpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodge Pole Pine
Plc	Coastal Lodgepole Pine
Pli	Lodgepole Pine (Interior)
Plj	Lodgepole x Jack Pine hybrid
Pm	Mountain Pine (Alpine)
Pp	Shore Pine (Coast)
Pw	Western White Pine
Pw	Whitebark Pine
Py	Ponderosa Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Sitka x Engelmann
Sw	White Spruce
Sx	Spruce hybrid
Sxl	Spruce Lutz White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

CODE	LABEL
D	ALDER
Dr	Red Alder
A	APPLE
Ue	Pacific Crab Apple
At	Black COTTONWOOD or POPLAR
Act	Hybrid
Act	Balsam Poplar
Ac	Black Cottonwood
Act	Hybrid Poplars
At	Trembling Aspen
E	BIRCH
Ea	Alaska
Ep	Paper
Ea	Alaska Paper Birch
Epa	Paper Birch x Birch Hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Le	Cascara
V	CHERRY
Vm	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vu	Sweet Cherry
Vv	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broadleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wpa	Peachleaf Willow (Banks's)
Wr	Pussy Willow (grey leaved)
Ws	Scouler's Willow
Wt	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

CODE	LABEL
X	unknown conifer
Xh	unknown hardwood
Xl	unknown (leaf or tree)
Xo	other conifer
Zh	other hardwood

EXOTICS

CODE	LABEL
Ya	APPLE
Yp	Paradise
Ax	ASPEN, COTTONWOOD or POPLAR
Asf	Southern Cottonwood
Ay	Aspen
Ew	European Birch
Ey	Silver Birch (exampl)
Ej	Japanese Birch
Y	CHERRY
Ys	Sweet Cherry
Yt	Tree Plum
Yw	Wild Cultivd Cedar
Ba	Balsam Fir
Bs	Siberian Fir
Fg	Shasta Red Fir
Bc	White Fir
Lk	Japanese Larch
Ld	Dahurian Larch
Le	Siberian Larch
Mo	MAPLE
Mr	Box Elder
Mn	Norway Maple
Mp	Sycamore Maple
Qe	English Oak
Qm	Pin Oak
O	OTHER EXOTICS
Ow	Incense Cedar
Ob	Monterey Cedar
Oc	Coast Redwood
Ol	European Mountain Ash
Oa	Giant Redwood
Oc	Common Pear
Og	Oregon Ash
Oh	Horse Chestnut
Oi	Kingsville Hickory
Oj	Japanese Larch
Ok	Japanese Walnut
P	PINE
Pa	Monterey Pine
Pi	Red Pine
Pn	Austrian 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	141-200
9	201 +

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
At 50 yrs where 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 curves are species specific and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when curves SI cannot be used. For trees aremd present, e.g. young stands (<50yrs) , it is denoted by a stash which always precedes the estimated site index number. Site Index Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

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

s	SHRUB	-	shrub with average shrub height > or = to two metres.
sb	SHRUB TALL	-	shrub with average shrub height > or = 2 but less than two metres.
sl	SHRUB LOW	-	shrub with average shrub height < two metres.

NON-TREED 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 TREED BRYOID

b	BRYOID	- bryoid with no distinction between mosses and lichens by cover.
bm	BRYOID - MOSS	- bryoid with mosses, liverworts, and hornworts > 50% of the bryoid cover.
bl	BRYOID - LICHEN	- bryoid with lichens > 50% of the bryoid cover.

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

ai	AIRPORT	gp	GRAVEL PIT	ro	RESERVOIR MARGIN
bl	BOULDERS	i	ICE	rw	RUBBLY WIND SPOILS
bl	BLOCKFIELD	la	LAKE	rz	RAILWAY SURFACE
bu	BUILT-UP	lg	LAKE ISLAND	sa	SEDIMENTARY
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS	sn	SNOW SURFACE
cl	CLEARING	m	MINE - OPEN	sp	SNOW COVER
ea	EXPOSED ROCK	mi	MINE	st	STREAM or STREAM
gl	GLACIER				

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

A	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
BR	BRUSH FOREST-Species	NPB	NON-PRODUCTIVE BRUSH	SAT	SATURATED
CL	CULTIVATED	NPC	NON-PRODUCTIVE BURN	VI	VERNA
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST -Species		
GL	GLACIAL TILL	NPM	NON-PRODUCTIVE-MINERAL	NC	NON COMMERCIAL
GR	GRAVEL PIT	OM	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NPBR	NON PRODUCTIVE - NOT RESTOCKED
MUD	MUD FLAT	S	SWAMP	NTA	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
C	Cattle	N	Natural Damage	S	Silviculture Treatment
D	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
	Insects				

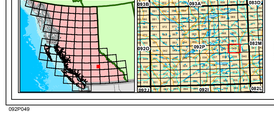
Example Opening History Details

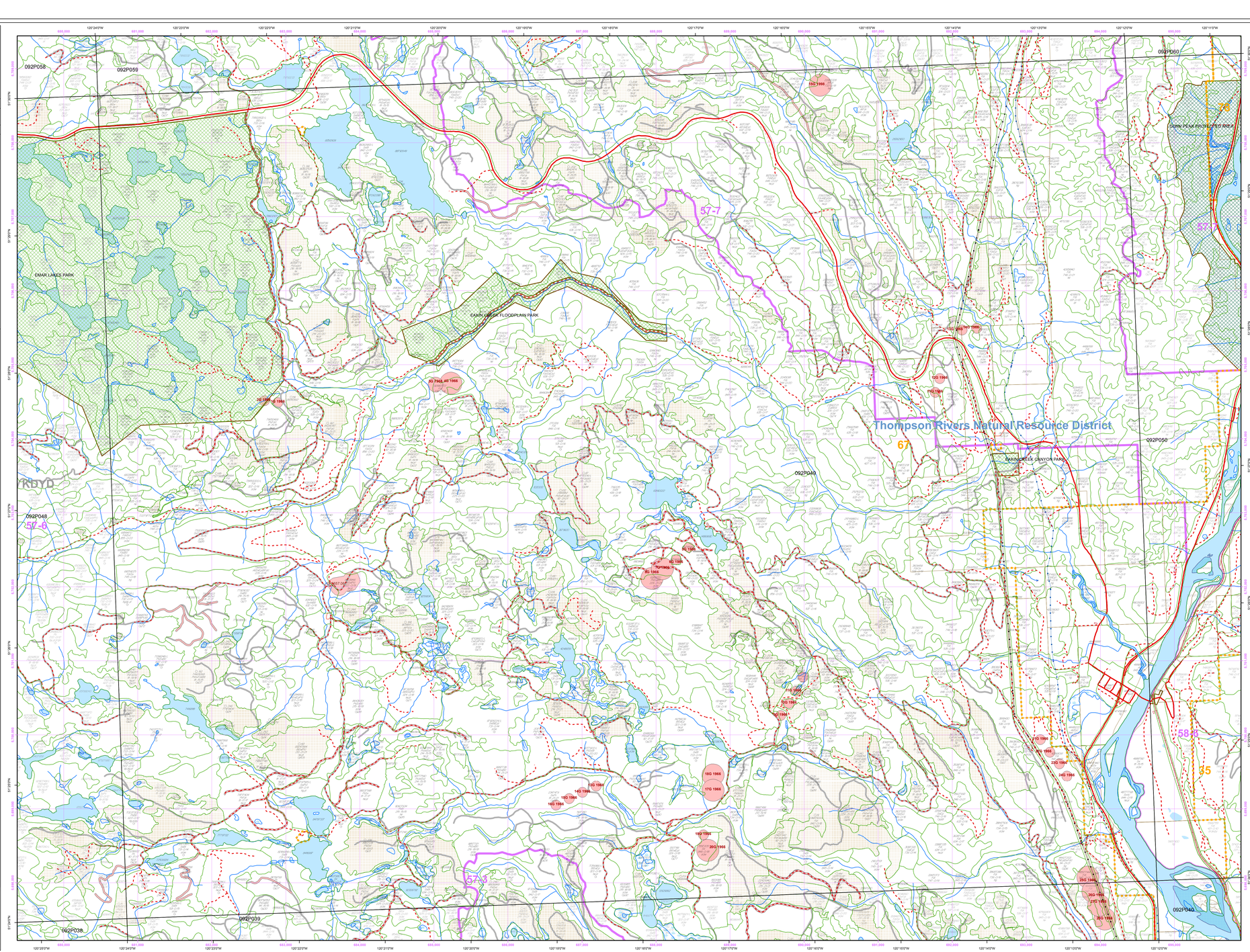
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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 Data' to turn on display values for:

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






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EMAR LAKES PARK
EANN CREEK FLOODPLAIN PARK
PARK CREEK CANYON PARK
Thompson Rivers Natural Resource District
57-7
57-6
57-5
67
58-6
55
RDyD
BG 1966
BG 1966 AR 1966
BG 1966 LS 1966
TOP 1966
BG 1966
BG 1966
BG