082F098

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
082F098

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers
0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - WLMS / 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 revised to June 2014).

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM Base Features:
- 4x Grid Points
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Track/Cutlines
- Railways
- 4x4 Trails
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroelectric - 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 - Terrals
- Municipal boundary (> 1,000,000 ha) - (15 % hatch)
- Municipal boundary (< 1,000,000 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 the (Western Hemlock)
4 Age Class, Height Class, Crown Closure Class, Site Index, Site Index Type
ex. stand is age class 2 (21-40 yrs), height class 1 (0.1-9.4 m), crown closure class 1 (0-15%), SI 20m
5 Vegetated Density Class (or Non-Forest Productive Descriptor)
ex. a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

OPEN - opening number valid for BCGS mapsheet
OPEN - opening number has not been assigned

Line 2 - Polygon No. / Multilayer

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
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	Sweside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pw	Western White Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plq	Lodgepole x Jack Pine hybrid
Pj	Jack Pine (boreal)
Pjc	Shore Pine (coast)
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	White Spruce
Sw	White Spruce
Sxe	Engelmann x White
Sxl	Sitka x White
Sxw	White x Unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	APPLE
Up	Pacific Crab Apple
At	TRUE COTTONWOOD or POPLAR
Ac	Poplar
Asb	Balsam Poplar
At	Black Cottonwood
Ae	Aspen/Poplars
At	Trembling Aspen
Ap	Aspen
Ab	Alaska
E	BIRCH
Ep	Alaska Paper Birch
Epg	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Er	Red Birch
K	DOGWOOD
Kc	Cascara
Kp	Pacific Dogwood
Vc	Black Cherry
Vv	Choke Cherry
Vp	Pin Cherry
G	GOOSEBERRY
Gp	Pacific Dogwood (western flowering)
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wr	Peachleaf Willow (Bebb's)
Wrd	Peachleaf Willow (grey leaved)
Wy	Pacific Willow
Wt	Sitka Willow (tea-leaved)
	UNKNOWN - OTHER
X	UNKNOWN
At	Aspen/Poplar (undistinguished)
Ax	unknown hardwood
Xc	unknown conifer (cedar not)
Xh	other hardwood
Zx	other hardwood

EXOTICS

E	APPLE
Ue	Exotic Apple
At	TRUE COTTONWOOD or POPLAR
Ae	Southern Cottonwood
Ee	European Birch
Ek	Silver Birch (swamp)
Ey	Weeping Birch
K	DOGWOOD
Vs	Sweet Cherry
Vu	Exotic Plum
Yo	*Port Orford Cedar
F	FIR (Balsam)
Bm	*Noble Fir
Bn	Nobel Fir
Bm	*Shasta Red Fir
Bc	Grand Fir
L	LARCH
Lt	*Siberian Larch
Lk	*Japanese Larch
Lx	Hybrid Larch
Me	Blue Spruce
Ms	Norway Spruce
Mr	*Sycamore Maple
Ore	OAK
Qg	*English Oak
Qn	*Pin Oak
	OTHER EXOTICS
Ce	*Incense Cedar
Cn	*Deodar Cedar
Cv	*Coast Redwood
Ge	European Mountain Ash
Gj	Japanese Mountain Ash
Gf	Common Pear
Gg	Dragon Ash
Gh	Hawthorn
O	*Shagbarks Hickory
Q	Tree-of-Heaven
Os	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pn	Austrian Pine
Ps	*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 - 9.4
2	9.5 - 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
	86 - 100

4d SITE INDEX
All SI are shown to the nearest metre, referenced at 50 years.
Site Index Type: 1 = Height, 2 = Volume, 3 = Empirical, 4 = Other
Heading denotes: 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 almost present, e.g. Site Index Type Group and SI Estimated source code provides a 4-character field in the data base as a Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation Inventory

VEGETATED NON-TREE CATEGORIES (5v1 and 5 records)

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

NON-VEGETATED
- r ROCK / RUBBLE
- w Water / Ice

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

NON-TREED BRYOID
- bs BRYOID - broad with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSSES - broad with mosses > 50% of the bryoid cover.
- bl BRYOID - LICHENS - broad with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (5nv1 and 5 records)

ap	AIRPORT	gl	GRAVEL PIT
be	BEACH	la	LAKE
bf	BOG/FIELD	lg	LAGOON
br	BROWNFIELD	ld	LANDING
bu	BURNED AREA	lp	POND or LAKE SEDIMENTS
cb	CLIFF/ BLUFF	mi	MINE
cl	CLIFF/ DEBRIS/ SLOPE	mn	MOWING
gl	GLACIER		

mu	MUD/FLAT SEDIMENT
mr	RUBBLY MINE SPOILS
o	OTHER
ol	OTHER
pr	SNOW COVER
ri	RIVER / STREAM
rr	RIVER / STREAM

rs	RESERVOIR MARGIN
rw	RAILWAY SURFACE
ru	ROAD SURFACE
rz	ROAD SURFACE
ta	TALUS
ur	URBAN
ux	UNKNOWN

Note: these categories (ta, ru, rz, rs) not labelled over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (5nf 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 FORE ST (Species
D	DUNE / BEACH	OA	OPEN AVAILABLE
GR	GRAVEL PIT	OB	OPEN BARE
ICE	ICEFIELD	P	HAYFIELD
M	MARSH	R	ROCK
MU	MUD/ MUDFLAT	S	SWAMP

SAND	SAND
SLT	SILT / DUST
U	URBAN
NC	NON COMMERCIAL
NCBR	NON COMMERCIAL BRUSH
NP	NON PRODUCTIVE
NPRS	NON PRODUCTIVE RESTOCKED
NTA	NO TYPE 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	Cultural	M	Mine Damage
D	Deciduous 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

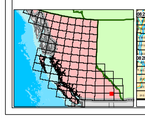
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either ARC or ArcMap. The Mapview example is of Inherited RESULTS data.

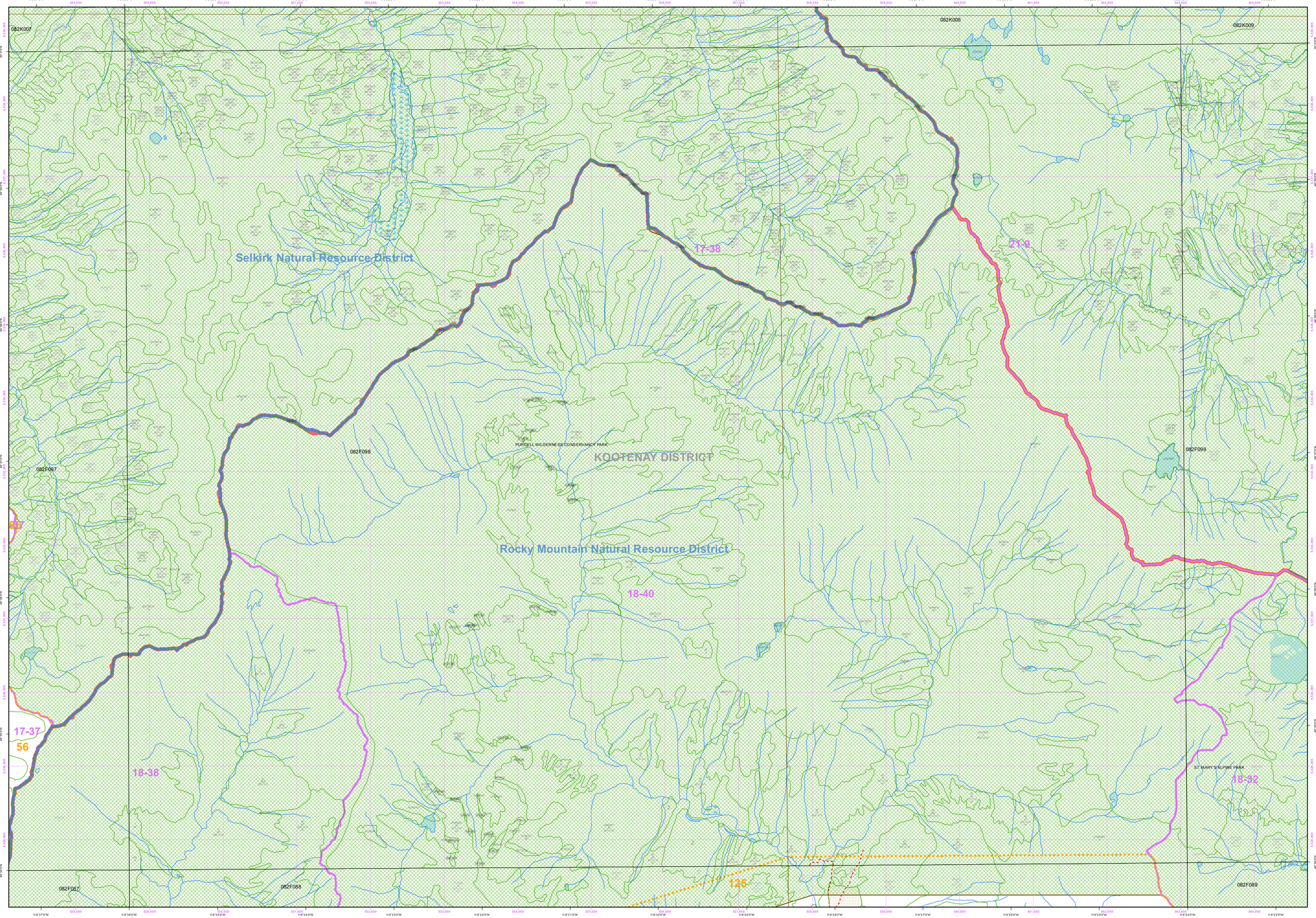
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select SILVICULTURE, tab then click on "Display Silviculture Map", to turn on display values for -

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









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