082M048

Vegetation Map
082M048

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 / BCMoS

This map is created from information stored digitally in the BC Geographic Warehouse. This map has been structured to support the everyday work 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. Lingard Hardcore zone 23/24.

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM - Base Features:
- 4x4 Trail Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Track/Cutlines
- Railways
- Airfield Lines
- Other lines
- Powerline
- Pipelines
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrodkarlines - ESRI
- Watercourses - ESRI
- Waterbodies - ESRI
- Wetlands - ESRI
- Ocean - ESRI

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 (< 1,000,000 ha) - no 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
xx the most important layer is described as Fd (Douglas Fir) and the (Western Hemlock)
xx is the 2nd layer, Cw (Western Red Cedar) is the 3rd layer, Pl (Lodgepole Pine)
xx stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (0-10%), SI 20m
4 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
5 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

0000 - opening number valid for BCGS mapsheet
0000 - opening number has not been assigned

Line 2 - Polygon No. / Multilayer

- VRI/EI 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	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
F	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	Sweetzia Juniper
L	LARCH
La	Western Larch
Lt	Tamarack
P	PINE
Pl	Lodge Pole
Pa	Whitebark Pine
Pli	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine hybrid
Pj	Jack Pine (Hudson Bay)
Pla	Alaska Pine (inland)
Pw	Western White Pine
Pxj	Pine hybrid (jack)
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxe	Spruce hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
V	APPLE
Up	Pacific Crab Apple
At	Black COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Ae	Eastern Cottonwood
Ap	Hybrid Poplars
At	Trembling Aspen
Ax	Aspen hybrid
E	ARBUTUS
Em	Pacific Madrone
F	BIRCH
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Kc	Cascara
V	CHERRY
Vc	Choke Cherry
Vp	Pin Cherry
Vx	Cherry hybrid
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broadleaf Maple (bradleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Black Willow
Wp	Pussy Willow (Prairie)
Wpd	Pussy Willow (grey-leaved)
Wr	Red Willow (Coyote)
Wt	Sitka Willow (tideland)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xo	OTHER (Non-native list)
Zz	other (rare)
Zzz	other hardwood

EXOTICS

	APPLE
Ua	Siberian Crab
	POPLAR, COTTONWOOD or POPLAR
Aet	*Southern Cottonwood
Ae	*Poplar
Ebi	European Birch
Ely	Silver Birch (swamp)
Ey	*Silver Birch
	CHERRY
Vs	Sweet Cherry
Vy	*Plum
Yo	*Port Orford Cedar
	FIR (Balsam)
Lf	*Siberian Larch
Lx	*Larch hybrid
	LARCH
Lk	*Dahurian Larch
Ld	*European Larch
	OAK
Qw	*English Oak
Qr	*Red Oak
	OTHER EXOTICS
Cw	*Incense Cedar
Cy	*Monterey Cedar
Cc	*Coast Redwood
Ot	European Mountain Ash
Ou	*Russian Mountain Ash
Ot	Common Hop
Qg	Dragon Ash
Ou	*Elm species
Q	*Eucalyptus Hickory
Qj	Tree of Heaven
Ow	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pp	*Ponderosa
Ps	*Scots Pine
	SPRUCE
Sn	*Norway Spruce

Line 4

4a: AGE CLASS

CO DE	LIMITS (years)
1	1-20
2	21-40
3	41-60
4	61-80
5	81-100
6	101-120
7	121-140
8	141-160
9	161 +

4b: HEIGHT CLASS

CO DE	LIMITS (metres)
1	0.1 - 10.4
2	10.5 - 19.4
3	19.5 - 27.4
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

CO DE	LIMITS (percentage)
P	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 one referenced at 50 years breast height age. Most SI are estimated from site tables (variety specific) but may also be derived from species dominant trees 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. recently logged, burned, etc. The SIBEC or other SI tables provides a tabulated factor in the table based on Inventory Type Group and SI determined source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (5v1 and 1 record/s)

NON-TREED SHRUB

s	SHRUB - which average shrub height > or = to two metres.
sl	SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB

he	HERB
hf	HERB - FORBS
hg	HERB - GRAMINOIDS

NON-TREED BRYOID

by	BRYOIDS
bm	BRYOID - MOSSES
bl	BRYOID - LICHENS

NON-VEGETATED CATEGORIES (5n1 and 1 record/s)

ab	ABYSSAL	gl	GRAVEL PIT
be	BEACH	la	LAKE
bf	BOULDER FIELD	ma	MARSH
bi	BIOWDOR	ld	LANDING
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS
cl	CLIFF/CANYON	mu	MUD FLAT
ea	EXPOSED SOILS	we	WETLAND
gl	GLACIER		

- hard with no distinction between forbs and graminoids.
- hard with forbs > 50% of the herb cover.
- herb with graminoids > 50% of the herb cover.

- forest with no distinction between mosses and lichens by cover.
- forest with mosses, lichens, and bunchgrass > 50% of the bryoid cover.
- forest with lichens > 50% of the bryoid cover.

mi	MUDFLAT SEDIMENT	re	RESERVOIR MARGIN
mu	RUBBLY MINE SPOILS	ra	RAILWAY SURFACE
ri	RIVER	rd	ROAD SURFACE
o	OTHER	s	ROAD SURFACE
pi	SNOW COVER	tl	TALUS
rk	ROCK	ta	TAILINGS
rv	RIVER / STREAM	u	URBAN

Note: Water categories (la, ea, re, ri) not labelled over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (5n1 - 1 record/s)

A	ALPINE	NP	NON PRODUCTIVE
C	CULTIVATED FOREST (Species	NPB	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBR	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species
D	DUNE / MOUNDS	NR	NON PRODUCTIVE NOT AVAILABLE
GR	GRAVEL PIT	OL	OPEN LANDING
ICE	ICEFIELD	P	HAYFIELD
L	LAKE (Water)	R	ROCK
MU	MUD FLAT	S	SWAMP
SAND	SAND		
SNOW	SNOW PACK		
U	URBAN		
NC	NON COMMERCIAL		
NCB	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NPBS	NON PRODUCTIVE 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	Mix Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seeding Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

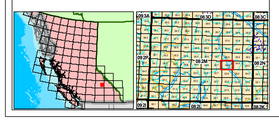
Example Opening History Details

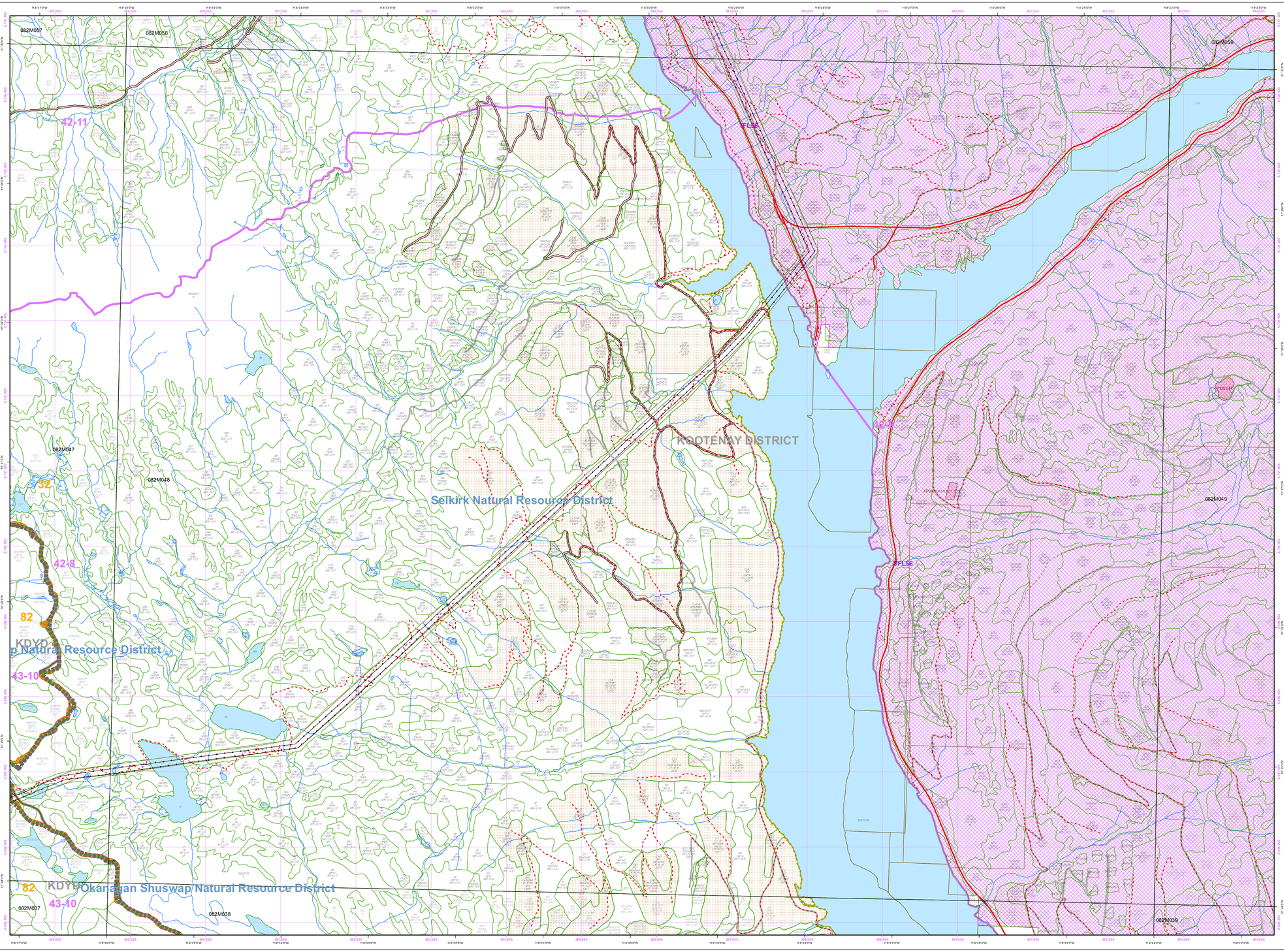
Detailed Silviculture information is available on the BCGW utilizing either ArcMap. The MapView example is of themed RESULTS data.

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







Overflow Labels

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