082M054

Vegetation Map
082M054

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 / Symbols

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. Lodgepol Hectares June 2014).

Labels Projected To: January 1, 2015

MAP SYMBOLOGY

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

TRIM - Base Features:
- 4x Axle Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrodfeatures - 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 (> 1,000,000 ha) - (> 15 % hatch)
- Municipal boundary (< 1,000,000 ha) - no hatch)
- National Parks
- Fiechtanns
- 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 (Douglis Fir) and Hw (Western Hemlock)
4 Age Class, Height Class, Crown Closure Class, Site Index, Estimated Site Index
ex. stand is age class 3 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 7 (61-70%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Description)
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

opening number - valid for BCGS Mapsheet

Item - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
L Multi-layered stand if 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 listed 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
D	DOUGLAS FIR
Fd	Coastal Douglas Fir
Fdi	Interior Douglas Fir
F	FIR (grand)
Ba	Amabilis Fir
Bl	Subalpine Fir
Bg	Grand Fir (Vancouver Island)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Juniper (Rocky Mtn. Juniper)
Js	Juniper (Juniper)
L	LARCH
Lw	Western Larch
T	Tamarack
Lt	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (Coastal)
Pli	Lodgepole Pine (Interior)
Plx	Lodgepole x Jack Pine hybrid
Pa	Whitebark Pine (Alpine)
Pfa	Shore Pine (coast)
Pw	Western White Pine
Py	Ponderosa Pine
S	SPRUCE
Se	Engelmann Spruce
Sxe	Engelmann Spruce x White Spruce hybrid
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Engelmann x White
Sxs	Sitka x White
Sxx	Sitka x unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	ASPEN
Up	Paper Birch
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Ac	Black Cottonwood
Act	Balsam Poplar
Ace	Black Cottonwood
Ax	Hybrid Poplars
Ae	Trembling Aspen
B	BIRCH
Bp	Paper Birch
Bpo	Alaska Paper Birch
Bpx	Paper x Alaska Birch hybrid
Be	Alaska Birch (white)
Bw	Water Birch
Bg	Gray Birch
K	DOGWOOD
Kc	Cascara
Kp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gb	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wb	Pacific Willow
Wa	Peachleaf Willow (Bradley's)
Wr	Sitka Willow (Rocky Mt. variety)
Wm	Scouler's Willow
Wf	Sitka Willow (lanceleaf)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (like indicator list)
Zc	other conifer
Zh	other hardwood

EXOTICS

	APPLE
Ua	Siberian Crab
Ap	*Domestic Cultivated Apple
	BIRCH
Ev	*European Birch
Es	*Asian Birch (swamp)
Ep	*Yellow Birch
	CHERRY
Vs	*Sweet Cherry
	CYPRESS
Yn	*Nootka Cedar
	FIR (Silver)
Bb	*Balsam Fir
Bn	*Noble Fir
Bm	*Veitch Fir
Bc	*Grand Fir
	LARCH
Ld	*European Larch
Lk	*Siberian Larch
	MAPLE
Mk	Box Elder
Mr	*Norway Maple
Ms	*Sycamore Maple
	OAK
Oe	*English Oak
Or	*Red Oak
	OTHER EXOTICS
Ch	*Horse Chestnut
Cn	*Incense Cedar
Cr	*Giant Sequoia
Cs	*Coast Redwood
Ou	*European Mountain Ash
Oh	Siberian Elm (ascribed)
Of	Common Pear
Ot	*Black Walnut
Oj	*Hinoki
Oi	*Shagbark Hickory
Ok	*Kentucky Coffee
Oq	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Ps	*Sugar Pine
Pv	*Scots Pine
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 - 13.4
3	13.5 - 19.4
4	19.5 - 22.4
5	22.5 - 27.4
6	27.5 - 44.4
7	44.5 - 55.4
8	55.5 - 64.4
9	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 shown to the nearest whole 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 estimated from inventory age and height, extended SI to shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when site index SI trees are not present, e.g. young stands (<10yrs). 'E' is denoted by a slash which always precedes the estimated SI. e.g. /E20 = estimated site index of twenty. Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (5a-f and i records)

NON-TREED SHRUB

s	SHRUB TALL
sl	SHRUB LOW

- shrub with average shrub height >= 4 ½ feet metres.
- shrub with average shrub height < two metres.

NON-TREED HERB

he	HERB
hf	HERB - FORBS
hg	HERB - GRAMINOIDS

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

NON-TREED BRYOID

by	BRYOID
bm	BRYOID - MOSS
bl	BRYOID - LICHEN

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

NON-VEGETATED CATEGORIES (5g-k and l records)

ro	ROCK		mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
w	WATER		mp	RUBBLY MINE SPOILS	ra	RAILWAY SURFACE
l	LAKE		w	WATER	rr	RIVER SEDIMENTS
b	LAVA BED		w	OCEAN	rs	ROAD SURFACE
s	SNOW		w	POND or LAKE SEDIMENTS	t	TALUS
m	OPEN PIT MINE		pf	SNOW COVER	t	TAILINGS
m	MORAINE		w	RESERVOIR	t	TALUS
			w	RIVER or STREAM		

Note: Water categories (w, ou, or, w) must account for 90 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (5a-f records)

A	ALPINE		NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species		NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
BE	BEACH		NPBS	NON PRODUCTIVE BRUSH SPECIES	URBAN	URBAN
CL	CLAY BANK		NPF	NON PRODUCTIVE FOREST (Species		
G	GRAVEL BAR		NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
I	ICEFIELD		NV	NON VEGETATED	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD		P	VARIFIED	NP	NON PRODUCTIVE
M	MEADOW		R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MU	MUDFLAT		SNOW	SNOW	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code recorded 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	Mist Damage
C	Insects and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seeding Fungal Pathogens
I	Unspecified Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

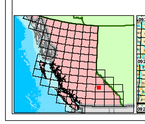
Example Opening History Details

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

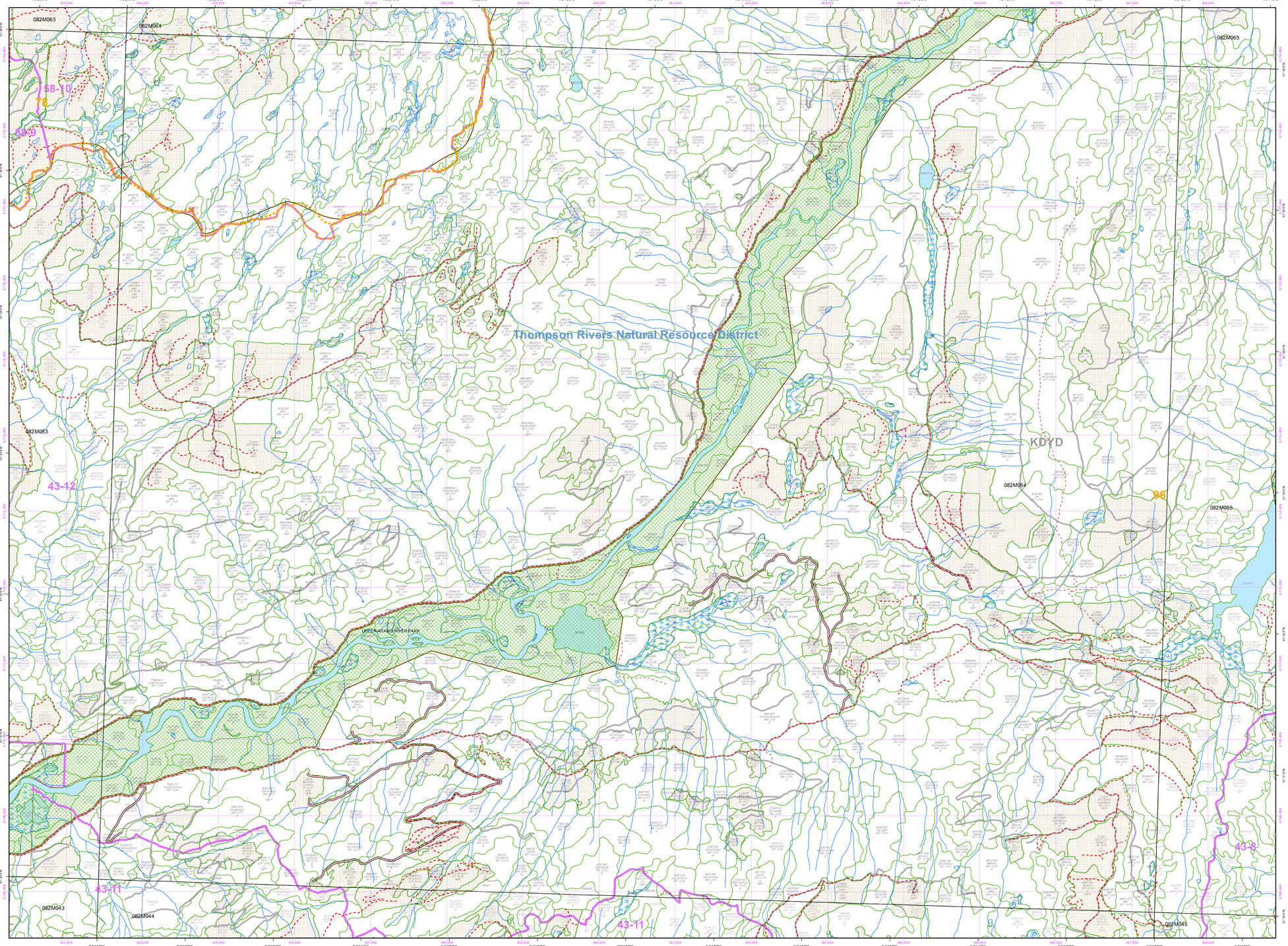
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

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









Overflow Labels

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