Vegetation Map
093F072

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 / Terrain

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to facilitate printing on a standard size sheet of paper. Some information may be illegible, inaccurate, misplaced or 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
- Structure Opening in Vegetation
- Permanent Sample Plot (CFS)
- Research Installations

TRIM, Base Features:
- 4x4/All Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airfarmes
- Other Area
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolline/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 (if > 1,000,000 ha) - (to 15 % hatch)
- Municipal boundary (if < 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 Structure/no 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 Hw (Western Hemlock)
4 Age, Height, Crown Closure Class Code - separator Site Index / estimated SI
ex. a 141-250 year old, 22.5 - 25.4 m tall, 26 - 30% crown closure stand
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 Oaping Number

opening number valid for BCGS mapsheet ; zzzz - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
L tells reader/client to 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 4.0 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cypress
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Fdx	Douglas Fir x
Ea	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hw	Western Hemlock
Hxw	Western x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
Lw	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (interior)
Plx	Lodgepole Pine x Hybrid
Pp	Ponderosa Pine (yellow)
Pq	Shore Pine (coast)
Pw	Western White Pine
Py	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxe	Sitka x Engelm.
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
Vk	Pacific Crab Apple
A	BLACK COTTONWOOD or POPLAR
At	Aspen
Ac	Black Cottonwood
Act	Balsam Poplar
Ax	Trembling Aspen
R	ARBUTUS
Rm	Pacific
B	BIRCH
Ea	Alaska Paper Birch
Ep	Alaska Paper Birch hybrid
Ew	Paper Birch (white)
K	CASCARA
Kc	CASCARA
C	CHERRY
Cb	Bitter Cherry
Cc	Choke Cherry
Cp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Manitoba Maple (broadleaf)
Mv	Vine Maple
E	ELM
Eg	Gary Oak
W	WILLOW
Wp	Pacific Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bentzby's)
Wr	Red Willow (Drummond's)
Wg	Sitka Willow
Wy	Undifferentiated Willow (shrub)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xs	unknown shrub (or tall)
Z	other conifer
Zh	other hardwood

EXOTICS

X	APPLE
Xc	CRAB
Xp	APPLE/ CUTTONWOOD or POPLAR
Af	Southern Cottonwood
Ag	Grey
Ep	European Birch
Ey	Purple Birch (Warty)
Ey	Yellow Birch
Ew	Paper Birch
Cl	Sweet Cherry
Y	CYPRESS
Ylm	Monterey Cedar
Fff	Fir (Balsam)
Bb	Balsam Fir
Bn	Noble Fir
Bp	Grand x Noble Fir
Bm	Manzies Fir
L	LARCH
Lk	European Larch
Lp	Siberian Larch
MAPLE	
Mn	Norway Maple
Mr	Norway Maple
Ms	Sycamore Maple
O	OAK
Or	English Oak
Orr	Red Oak
Z	OTHER EXOTICS
Zb	Black Locust
Zc	Giant Sequoia
Zr	Kusak Redwood
Zd	Dawn Redwood (fast)
Za	Siberian Elm (deciduous)
Ce	Common Pear
Cp	Pear
Cw	White Ash
Cr	Green Ash (Kimberly
Cj	Tree-of-heaven
Cm	Mountain Ash
PINE	
Pm	Monterey Pine
Pn	Austrian Pine
Pi	Single Pine
Ps	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 - 19.4
3	19.5 - 25.4
4	25.5 - 32.4
5	32.5 - 38.4
6	38.5 - 44.4
7	44.5 - 50.4
8	50.5 +

4c. CROWN CLOSURE CLASS

CODE	LIMITS (percentage)
0	0 - 5
1	6 - 10
2	11 - 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

Site Index is the average height of the tallest trees referenced at 50 years. Breast height age (BHA) is used on the age and the height of the tallest trees. BHA is based on the age at breast height (1.3 m above the ground). If trees have an inverted taper, estimated SI is shown after or replaces the SI.

4e. ESTIMATED SITE INDEX

Estimated Site Index (ESI) is used when a site index cannot be determined (present, e.g. young stands <15yrs). ESI is recorded to a depth at which always trees can be found (usually 4 m). ESI is recorded in the same units as inventory Type Group and SI Estimated source codes.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I map/dH)

NON-TREED SHRUB
- H - SHRUB - shrub with average shrub height > or = to two metres.
- S - SHRUB - shrub with average shrub height < two metres.

NON-TREED HERB
- G - GRAMINOID - herb with no distinction between forbs and graminoids.
- W - HERB - FORBS - herb with forbs > 50% of the herb cover.
- N - HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED MYCID
- MH - MYCOID - mycid with no distinction between mosses and lichens by cover.
- MF - MYCOID - MOSS - mycid with mosses, liverwrts, and hornworts > 50% of the mycoid cover.
- ML - MYCOID - LICHEN - mycid with lichens > 50% of the mycoid cover.

NON VEGETATED CATEGORIES (for V and I map/dH)

aa	AIRPORT	gr	GRAVEL PIT
ar	ROCK/RUBBLE	ic	ICE
b	BLUFF/FIELD	l	LAKE BED
bi	BIGROCK	li	LANDING
c	CULTIVATED AREA	ls	LANDSLIDE SCARS/SEGMENTS
cl	CUTBANK	mp	CREVASSE/MORAINE
cr	CUTBANK/SOILS	mz	MORAINE
d	DUCK/RIP		Note: Water categories (ie. L, O, R) not labelled over 50% crown coverage.

NON-FOREST / NON PRODUCTIVE DESCRIPTOR CODES (for F map/dH)

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species)	NPB	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBN	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species)
D	DEBRIS/TALUS	NPL	NON PRODUCTIVE LINE
DB	GRAVEL BAR	OB	OPEN BASIN
EP	EDIFOLD	P	HAYFIELD
M	MEADOW	R	RIVER
MUD	MUD FLAT	S	SWAMP

SAND	SAND		
SF	SEEPAGE FLAT		
URB	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NFL	NON FOREST LAND		
NSR	NOT SUFFICIENTLY RESTOCKED		
NTA	NOT 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	Mite Damage
D	Insects and Seed Insects	N	Human Caused Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
	Insects		
		S	Site Rehabilitation
		T	Treatment Injuries
		U	Undetermined
		V	Problem Vegetation

Example Opening History Details

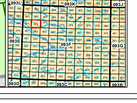
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The Map/View example is of thematic RESULTS data.

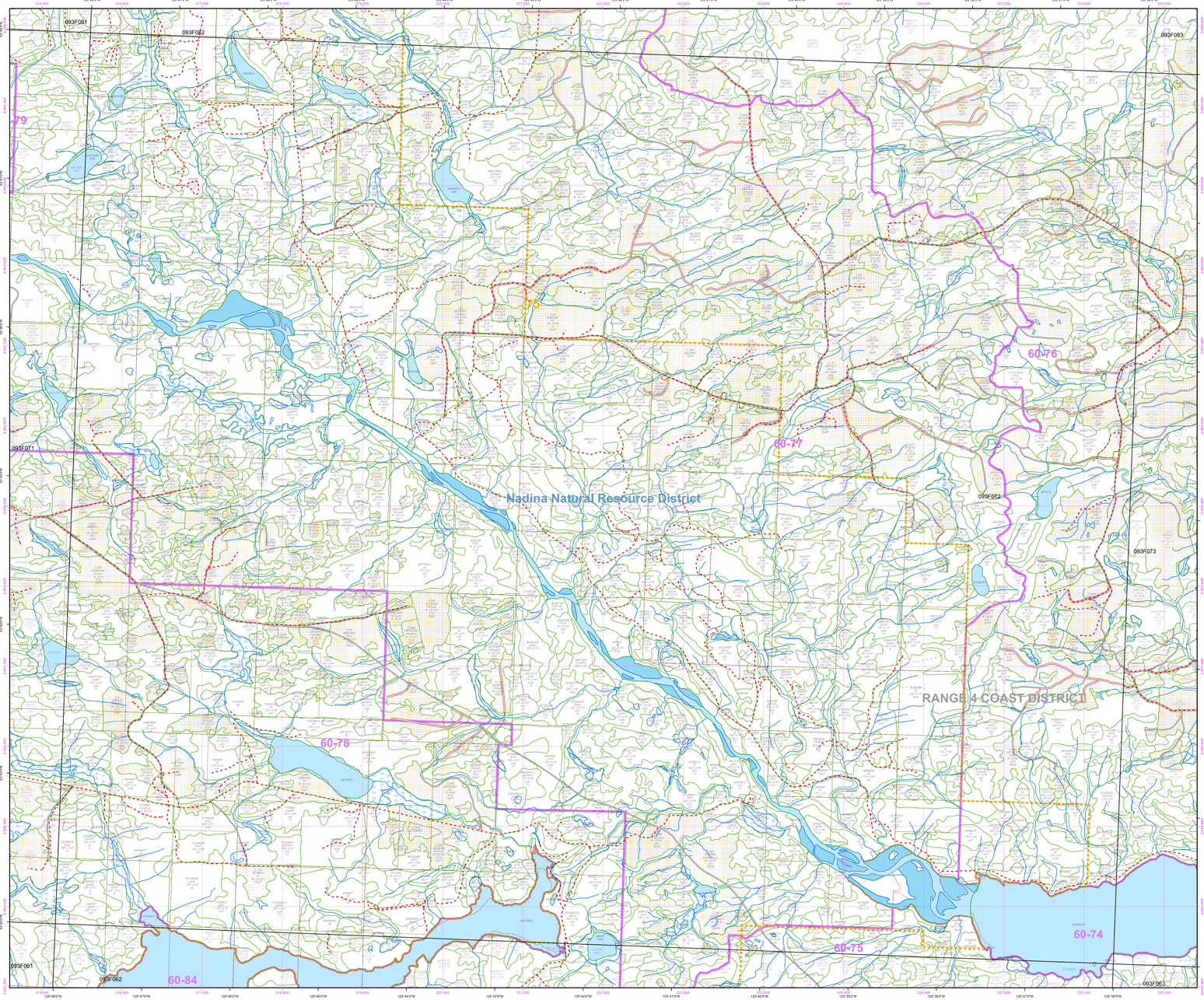
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select "Forest Cover" and "Silviculture Theme" Silviculture Maps" to turn on display values for:

OPENING
OPENING LABELS
OPENING / PLANTING ACTIVITY
SILVICULTURE SURVEY UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH









Overflow Labels