093F064

Vegetation Map
093F064

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 - VRMS / 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 displayed on this map is for reference purposes only. Boundaries, administrative boundaries and the Ownership colour theme are for reference purposes only. Legend is access June 2014.

Labels Projected To: January 1, 2018

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Structure Opening or Vegetation
- Permanent Sample Plot (VDT)
- Research Installations

TRIM, Base Features:
- All Built Roads
- Forest Tenure Road Lines
- Forest Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Aut Ferries
- Other Ways
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Anth-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 (> 1,000,000 ha) - (> 10 % harvh)
- Municipal boundary (< 1,000,000 ha) - (no harvh)
- 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 No. / Multi-layer: Multi-layer stand indicator (L)
3. Species Composition:
ex: the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
Fd is dominant (>50%) and Hw is subdominant (21-50%) in the stand.
An stand is age class 2 (21-40 yrs), height class 1 (0-10.4m), crown closure class 5 (36-70%), SI 20m
5. Vegetated Density Class (or Non-Forest/Productive Description):
ex: a treed 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

CUT - opening number valid for BCGS mapsheet ZUNK - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

Polygon No. - a unique number ranging from one to nine digits
Multi-layer stand indicator - a descriptive 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 4.4 Edited January 2009.

NATIVE CONIFERS

Ce	Western Red Cedar
Cw	Cedar
Yc	Yellow Cedar
Fd	Douglas Fir
Fdi	Douglas Fir v
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Fdi	FIR (Grades)
Ba	Amabilis Fir
Bg	Grand Fir
B	Subalpine Fir (alpine)
Bl	Balsam
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopular juniper
L	Larch
Le	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine
Plc	Lodgepole x Jack Pine hybrid
Pj	Jack Pine (boreal)
Pla	Shore Pine (coast)
Pli	Lodgepole Pine v
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sel	Engelmann x White
Sw	White Spruce
Sxl	Sitka x White
Sxs	Sitka x Stikkan hybrid
Ss	Sitka Spruce
Te	Western Yew

NATIVE HARDWOODS

D	DECIDUOUS
Ep	Red Alder
U	APPLE
Act	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Aspen
Acb	Balsam Poplar
Act	Black Cottonwood
Ah	Hybrid Poplars
At	Trembling Aspen
Ep	Paper Birch
Ew	Alnaska
Ep	Birch
Ep	Alaska Paper Birch
Ew	Kenai White Birch Hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ep	Red Birch
Ec	Cascara
V	CHERRY
Vm	Choke Cherry
Vm	Choke Cherry
Vp	Pin Cherry
D	DOGWOOD
Dw	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Or	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wa	Pacific Willow
Wa	Peachleaf Willow (Bendy's)
Wa	Peachleaf Willow (Sandy's)
Wa	Scouler's Willow
Wa	Sitka Willow (low-branch)

UNKNOWN / OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xl	OTHER (tree not on list)
Zz	other conifer
Zz	other hardwood

EXOTICS

Ap	Apple
Ap	Apple
At	ASPEN, COTTONWOOD or POPLAR
Ap	Siberian Crab Apple
Ep	BIRCH
Ep	Asian White Birch
Ep	Silver Birch (Asiatic)
Ep	White Birch
Ca	CARAGANA
Vs	Sweet Cherry
Vs	Sweet Cherry
Vp	Pincherry
Vp	Pincherry x Choke Cherry
Bp	Blackthorn
Bp	Purple Fv
Bs	Schwerkirsche Fv
Bv	Weiche Fv
Bv	Weiche Fv
Le	Tschuriam Larch
Le	Siberian Larch
Le	Larch
Mt	Ben Eder
Mt	Tatarische Maple
Mt	Tatarische Maple
Ma	Norway
Ma	*English Oak
Qe	*White Oak
Qe	*Hungarian Oak
Qe	*Hungarian Oak
Qe	*Hungarian Oak
Qe	*Crack Willow
Qe	*Hungarian Oak
Qe	Siebold Oak (southern)
Qr	Common Pear
Qr	Pear Tree
Qr	*White Ash
Qr	*Hungarian Hickory
Qr	Japanese Ash
Qr	Japanese Walnut
Ps	Mountain Ash
Ps	Rowan
Ps	Purple Fire
SPRUCE	
Sx	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 - 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

Average height in metres referenced at 50 years Breast Height Age. Is based on the age and height of the tallest trees in the stand. Site index is usually determined from tall trird height, estimated SI is shown after, or replaces the SI.

4e: ESTIMATED SITE INDEX

Estimated site index is used when no site index data is present, e.g. young stands (<50yrs). It is derived by a stand which shows similar characteristics to the stand in question. Site Index are inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records)

VEGETATED NON TREE CATEGORIES (for V and I records)

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

NON TREED HERB
- h HERB - herb with no distinction between forbs and graminoids.
- g GRAMINOID - herb with graminoids > 50% of the cover.
- hg HERB / GRAMINOID - herb with graminoids 10% to 50% of the cover.

NON TREED BRYOID
- b BRYOID - bryoid with no distinction between mosses and lichens by cover.
- m BRYOID - MOSS - bryoid with moss (Bryophyta) comprising > 50% of the bryoid cover.
- bl BRYOID - LICHEN - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED CATEGORIES (for V and I records)

ae	AIRPORT	gp	GRAVEL PIT	ms	MUDFLAT SEDIMENT
b	BARREN	I	ICE	o	OTHER (e.g. SNOW, SPOILS
bl	BLOCKFIELD	l	LAKE-MED	or	OCEAN
bo	BOULDER	la	LAKE-SMALL	r	ROCK
bu	BURNED AREA	k	POND or LAKE SEDIMENTS	pr	SNOW COVER
e	ESKER	p	POND-MED	sp	SPOILS
es	EXPOSED SOILS	rv	RIVER/STREAM	u	URBAN
gl	GLACIER				

Note: Water categories (la, la, rv, o) not labelled over 95 percent coverage.

rs	RESERVOIR MARGIN				
s	SEDIMENTS				
w	WATER SEDIMENTS				
wa	WATER-SALINE				
tl	TALUS				
v	VOLCANIC				
	LITTORAL				

NON FOREST (NON PRODUCTIVE DESCRIPTOR CODES (for I records)

A	ALPINE	NP	NON PRODUCTIVE	SAM	SAND
B	BOREAL FOREST -Species	NPBR	NON PRODUCTIVE BRUSH	SAT	SALT FLAT
C	CULTIVATED	NPBRI	NON PRODUCTIVE BRUSH -	U	URBAN
D	DECIDUOUS - Species	NPBRS	NON PRODUCTIVE - Species		
G	GRASS, BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GB	GRASS/BAR	P	PRODUCTIVE	NPBR	NON PRODUCTIVE BRUSH
GE	ESTUARY	PP	NON PRODUCTIVE	NPBRI	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MF	MIXEDWOOD	S	SHRUB	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code preceded by symbol, followed by earliest date
First occurrence of disturbance type. For fire/grass category, refer to official code list for sub-category descriptions.

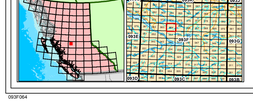
A	Animal Damage	L	Logging
B	Wildfire	M	Mine Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

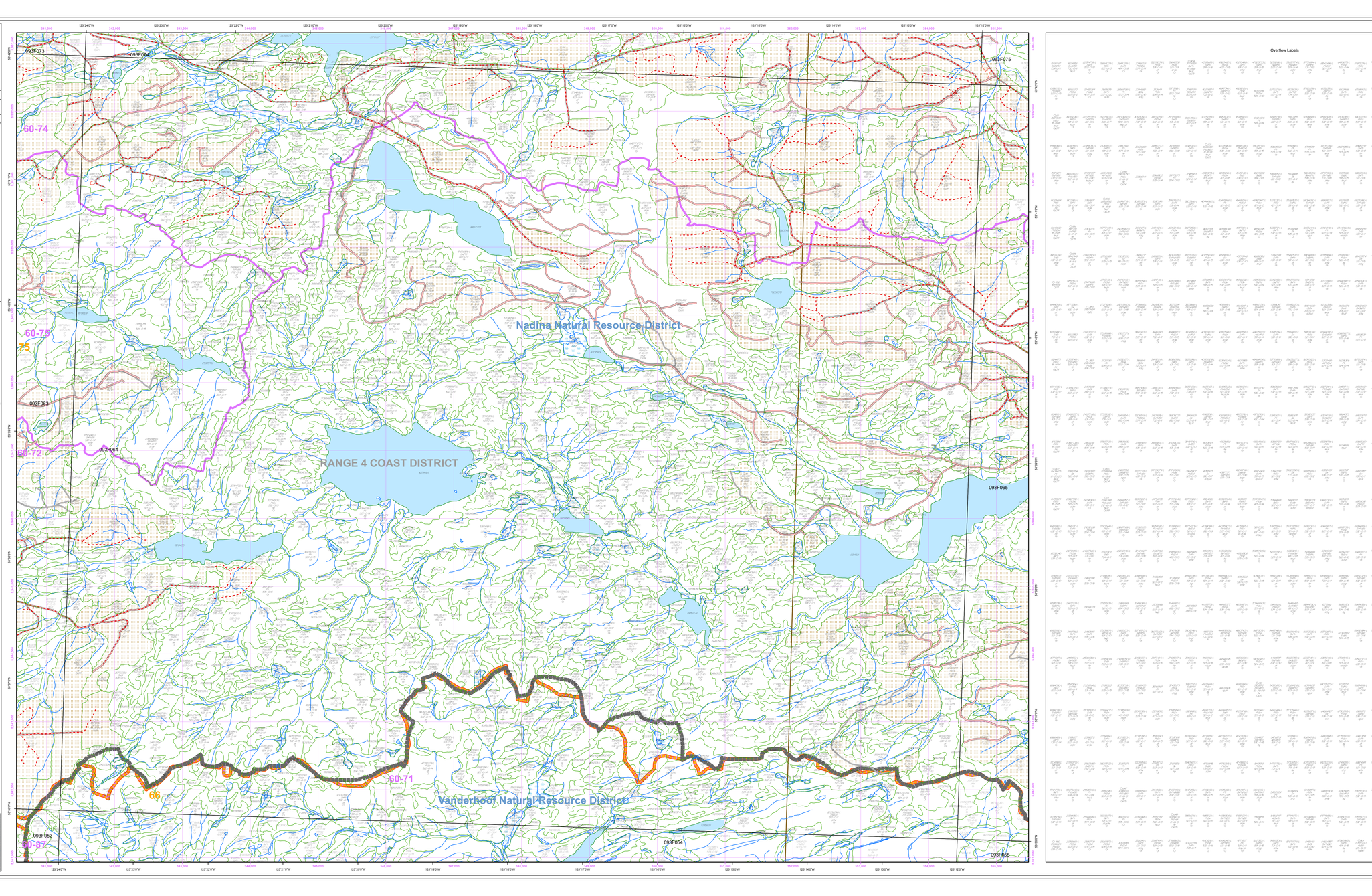
Example Opening History Details

Detailed Silviculture information is available on the BCGW
Mapview application. The Mapview example is of thenext 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" to turn on display values for:

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





Overflow Labels

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