093F098

Vegetation Map
093F098

Ministry of Forests, Lands and Natural Resource Operations

Scale 1:20,000

1 Kilometers
0 0.25 0.5 0.75

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRIMS / 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 not to be used to determine 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
- Silviculture Opening /+ Vegetation
- Permanent Sample Plot (CFS)
- Research Installations

TRIM, Base Features:
- As Built 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
- Hydro/Marl/Rivers - 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 - 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 (Douglis Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code : separator Site Index / estimated SI
ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex: stocking is well spaced, trees between 3m and 10m and graminoids, shrubs less that 2m.
6 Disturbance History & year ex: Logged in 1978

Line 1 - History Record Opening Number

nnnn - opening number valid for BCGS mapsheet
nnnn - 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 (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	Sitkalde Juniper
L	LARCH
Lt	Tamarack
Lw	Western Larch
PINE	
Pa	Alpine Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pyi	Ponderosa Pine hybrid
Pw	Western White Pine
Pw	Whitebark Pine
Pj	Jack Pine
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	White Spruce hybrid
Sxe	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Ss	Sitka Spruce
Te	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Aspen
Act	Balsam Poplar
Ae	Trembling Aspen
Ax	Hybrid Poplars
At	Trembling Aspen
Ep	BIRCH
E	BIRCH
Ep	Alaska Paper Birch
Epp	Alaska x Paper Birch hybrid
Ew	Paper Birch
Eb	Water Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vv	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Qg	Garry Oak
Qx	Oak hybrid
W	WILLOW
Wp	Pacific Willow
Wpg	Pacific Willow (Bentley's)
Wpy	Pussy Willow (pre-harvest)
Ws	Scouler's Willow
Wsp	Sitka Willow (late-leaved)

UNKNOWN - OTHER

X	unknown conifer
Xh	unknown hardwood
Xl	unknown (conifer or tal)
Z	other conifer
Zh	other hardwood

EXOTICS

U	APPLE
Us	Siberian
At	ASPEN, COTTONWOOD or POPLAR
Af	*Southern Cottonwood
B	FIR
Bp	European Birch
Ep	Silver Birch (swamp)
Ew	Paper Birch
F	CHERRY
Fs	Sweet Cherry
Y	CYPRESS
Yo	Japanese Cedar
P	FIR (Balsam)
Pf	*Balsam Fir
Pg	Noble Fir
Pn	*Nikko Fir
Pw	*White Fir
L	LARCH
Lk	European Larch
Ls	Siberian Larch
MAPLE	
Mn	*Norway Maple
Mp	*Sycamore Maple
O	OAK
Qb	*English Oak
Qw	*White Oak
Qr	*Red Oak (ROO)
Qs	*Incense Cedar
Qb	*Giant Sequoia
Qn	*Coast Redwood
Qe	European Mountain Ash
Qs	Siberian Elm (southern)
Qp	*Shore Pine
Qf	Oregon Ash
Qw	*White Ash
Qa	*Green Ash (Marory
Qj	*Tree-of-Heaven
Qk	Japanese Walnut
S	SPRUCE
Sn	*Norway Pine
Sr	*Red Pine
Sp	*Pitch 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 - 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
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 metre referenced at 50 years breast height age. Where SI cannot be determined from existing sources, SI may be accurately 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 arenot present, e.g. recently logged, burned, etc. Site Index Type Group and SI Estimated source code.

Line 5 Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I records)

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

NON-TREED HERB
- he HERB - herb with no distinction between forbs and graminoids.
- H HERB - FORBS - herb with forbs > 50% of the herb cover.
- g HERB - GRAMINOID - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- b BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverworts, and hornworts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mp	RESERVOIR MARGIN
b	BURNED	l	LAKE	mr	RAILWAY SURFACE
bf	BLOCKFIELD	la	LAVA BED	ms	RIVER SEGMENTS
br	BEDROCK	li	LANDING	mt	ROAD SURFACE
c	CULTIVATED AREA	ls	LANDSLIDE SEGMENTS	o	OTHER
cb	CUTBANK	mo	OPEN PIT MINE	r	TALUS/SCREE
ea	EXPOSED SOILS	mx	MORAINE	ur	URBAN
ed	FLOATANT				

Note: Water categories (lw, ls, w, r) not labelled over 90 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for E records)

AF	ALPINE FOREST	NP	NON PRODUCTIVE
AFNPBU	ALPINE FOREST (Species)	NPBR	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLEARING	NPTR	NON PRODUCTIVE FOREST (Species
G	GRASS, BAR	NTA	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
M	MEADOW	R	ROCK, BARE
MD	MEADOW	S	SWAMP
MUD	MUD FLAT		

SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMERCIAL BRUSH		
NCR	NON COMMERCIAL		
NSR	NOT SUFFICIENTLY 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.

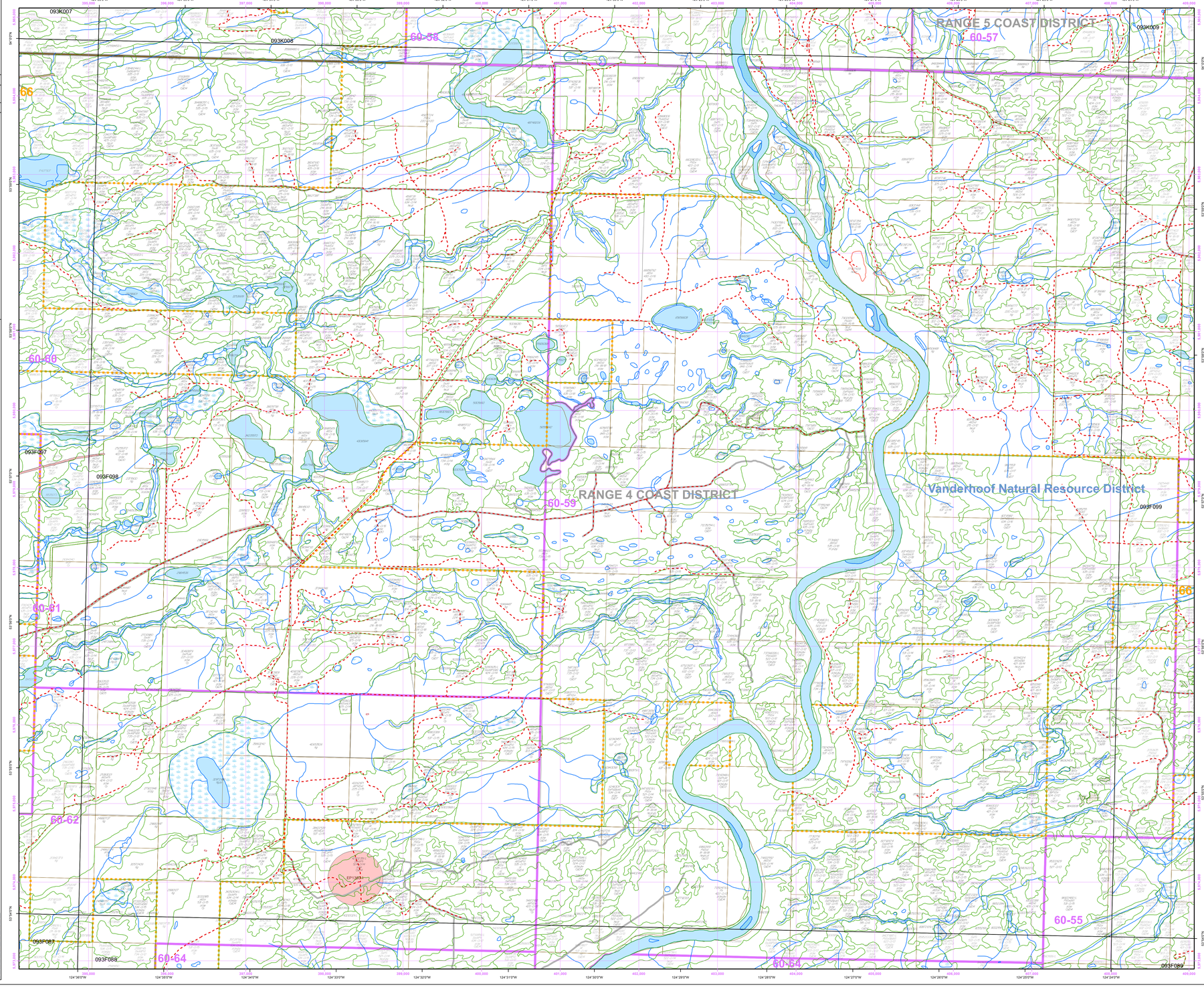
A	Animal Damage	L	Logging
B	Wildfire	M	Mist Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Undetermined
		V	Problem Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The 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 Data" 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