093E081

Vegetation Map
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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 / 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 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
- Sivilculture Opening or Vegetation
- Permanent Sample Plot (CVS)
- Research Installations

TRIM. Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- 4x4/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Ice-Barriers - 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
- 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:

Cut 2014 Fd/Hw 2m-3m 1Ha/E Cr/S

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: 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 Opening Number

Cut - opening number valid for BCGS mapsheet *box* - 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		NATIVE HARDWOODS		EXOTICS	
C	CEDAR	D	ALDER	Ua	APPLE
Cw	Western Red Cedar	Dr	Red Alder		Apple
Y	CYPRESS	U	APPLE		ASPEN, COTTONWOOD or POPLAR
Yc	Yellow Cedar	Up	Pacific Crab Apple	Ad	*Southern Cottonwood
F	DOUGLAS FIR	A	ASPEN, COTTONWOOD or POPLAR		MAPLE
Fd	Douglas Fir	Ac	Poplar	Ea	European Birch
Fdc	Coastal Douglas Fir	Act	Balsam Poplar	Ep	Silver Birch (swamp)
Fdi	Interior Douglas Fir	At	Black Cottonwood	Ey	*Yellow Birch
B	FIR (Balsam)	Ax	hybrid Poplars		CHERRY
Ba	Amabilis Fir	Ae	Trembling Aspen	Vs	*Black Cherry
Bg	Grand Fir	K	ARBUTUS		CYPRESS
Bl	Subalpine Fir (alpine)	Ra	Arbutus	Yp	*Port Orford Cedar
H	HEMLOCK	E	BIRCH		ELM
Hm	Mountain Hemlock	Ea	Alaska Paper Birch	Bp	*Siberian Elm
Hw	Western Hemlock	Eap	Alaska x Paper Birch hybrid	Bp	Noble Fir
Hxm	Mountain x Western Hemlock hybrid	Ep	Paper Birch (white)	Bm	*Shasta Red Fir
J	JUNIPER	Ew	Water Birch	Bc	*White Fir
Jr	Rocky Mt. Juniper	Ey	Yellow Birch		LARCH
Js	Seaside Juniper	Ac	Cascara	Lt	*Siberian Larch
L	LARCH	V	CHERRY	Le	*Siberian Larch
La	Alpine Larch	Vb	Bitter Cherry		MAPLE
Lt	Tamarack	Vv	Choke Cherry	Me	Box Elder
Le	Western Larch	Vm	Mazzard Cherry	Mp	*Norway Maple
P	PINE	D	DOGWOOD	Mr	*Sycamore Maple
Pj	Jack Pine	Dp	Pacific Dogwood (western flowering)		OAK
Pl	Lodgepole Pine	M	MAPLE	Qr	*English Oak
Pli	Lodgepole Pine (interior)	Mb	Bigleaf Maple (broadleaf)	Qw	*White Oak
Plj	Lodgepole x Jack Pine hybrid	Mv	Vine Maple		PINE
Py	Ponderosa Pine (yellow)	O	OAK	Ob	*Austrian Pine
Pp	Ponderosa Pine	Gg	Garry Oak	Pn	*Japanese Red Pine
Pw	Western White Pine	Wb	Bebb's Willow	Pw	*Eastern White Pine
Pa	Whitebark Pine	Wp	Pacific Willow	Pa	*Austrian Pine
S	SPRUCE	Wa	Peachleaf Willow (Bartda's)	Pf	*Scots Pine
Sb	Black Spruce	Wr	Pussy Willow (grey-leaved)	Pp	*Ponderosa Pine
Se	Engelmann Spruce	Ws	Scouler's Willow	Ps	*Swiss Stone Pine
Sw	White Spruce	Wt	Sitka Willow (tea-leaved)	Pr	*Monterey Pine
Sx	Spruce hybrid		**UNKNOWN - OTHER**	Pi	*Scots Pine
Sxw	Interior Spruce White	Xc	unknown conifer	Py	*Scopt Pine
Sxl	Sitka x White	Xh	unknown hardwood		SPRUCE
Sxs	Sitka x unknown hybrid	Z	OTHER (tree not on list)	Sn	*Norway Spruce
T	YEW	Zc	other conifer		
Tw	Western Yew	Zh	other hardwood		

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 - 54.4
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

All SI are shown to the nearest metre referenced at 50 years breast height Age. SI is based on the age and height of the leading species. When an accurate 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 aremt present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes it. Associated fields in the data base 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
- sl SHRUB TALL - shrub with average shrub height > or = to two metres.
- sl SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- he HERB - herb with no distinction between forbs and graminoids.
- hf HERB - FORBS - herb with forbs > 50% of the herb cover.
- hg HERB - GRAMINOIDS - herb with gaminoids > 50% of the herb cover.

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

NON VEGETATED
- el Exposed Land
- ro Rock / Rubble
- si Snow / Ice

NON VEGETATED CATEGORIES (for V and I records)

ap AIRPORT	gp GRAVEL PIT	mu MUDFLAT SEDIMENT	rm RESERVOIR MARGIN
be BEACH	la LAKE	mp RUBBLY MINE SPOILS	rr RAILWAY SURFACE
bl BLOCKFIELD	lb LAVA BED	oc OCEAN	rs RIVER SEDIMENTS
bu BURN	lo LOADING	oi OIL SPILL	ta TALUS SURFACE
bua BURNED AREA	lp POND w/ LAKE SEDIMENTS	pe SNOW COVER	te TALUS
cb CUTBANK	mi OPEN PIT MINE	re RESERVOIR	tz TAILINGS
es EXPOSED SOILS	mn MORAINE	ri RIVER / STREAM	ur URBAN
gl GLACIER			

Note: Water categories (la, oc, re, ri) not labelled over 90 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN		URBAN -
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMERCIAL BRUSH
ICE	ICEFIELD	R	ROCKFIELD	NF	NON FORESTED
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	S	SWAMP	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.

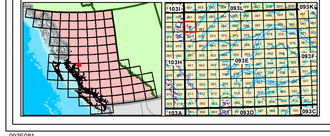
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects	R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

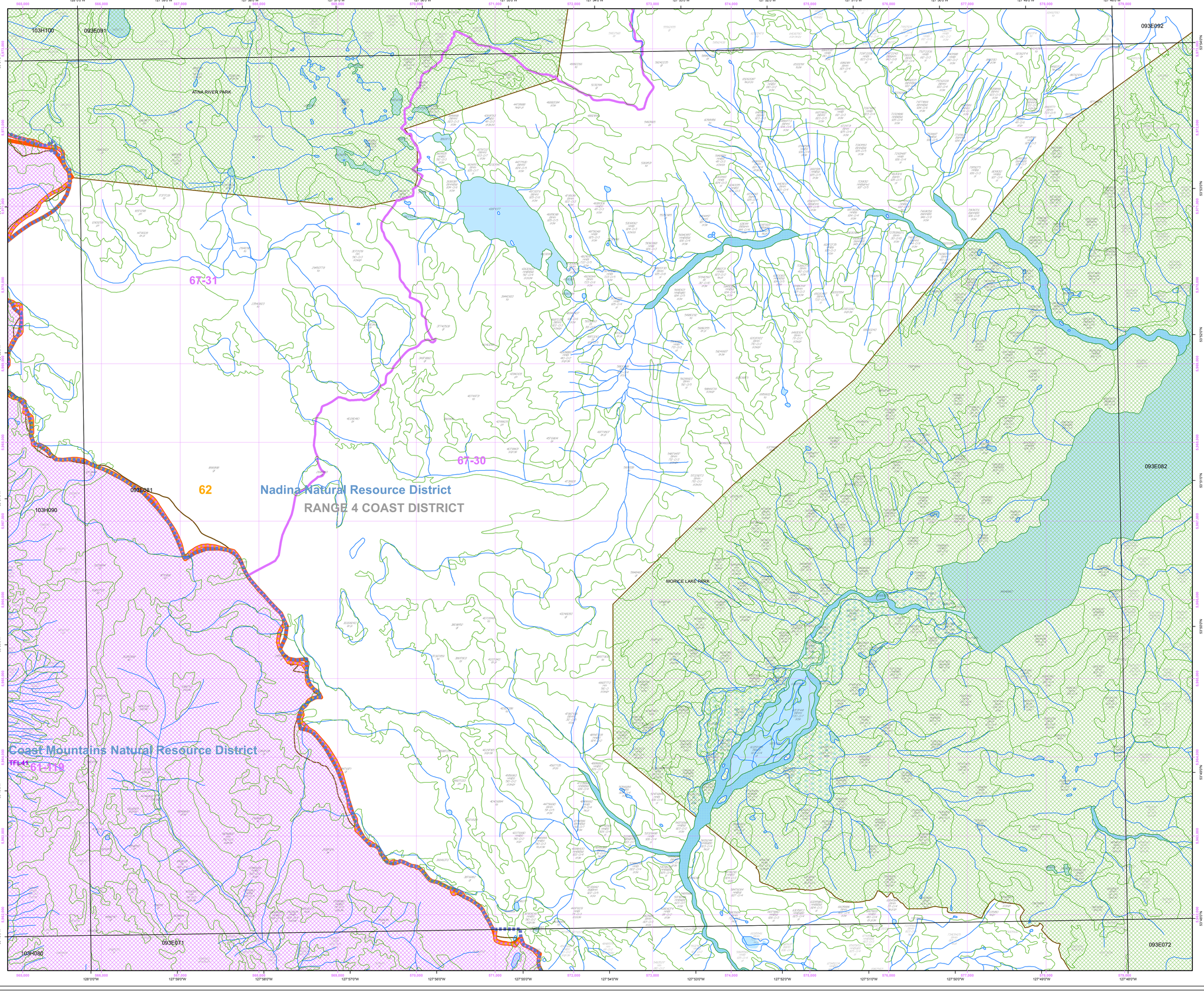
Example Opening History Details

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