092K017

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 display the vegetation resource inventory (VRI) data for the province. Some features displayed on the VRI 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
- Silviculture Opening in Vegetation
- Permanent Sample Plot (GYS)
- Research Installations

TRIM. Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Aerf Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeat/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- MU 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:

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LINE  DESCRIPTION
1     1 Silviculture symbol and Opening Number
2     2 Polygon Number and multi-layer stand indicator (L)
3     3 Species Composition
        ex: the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
        Cw (Western Red Cedar) is the 3rd most abundant species. Site Index / estimated SI
      4 Stand Structure
        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
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Line 1 - History Record Opening Number

opening number valid for BCGS mapsheet — DDK - 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 4.6 dated January 2009.

NATIVE CONIFERS

Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
Pl	DOUGLAS FIR
Fd	Coastal Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Fdx	Hybrid Fir
Bal	Amabilis Fir
Bg	Grand Fir
Bgp	Grand Fir (grayae)
H	HEMLOCK
Hm	Mountain Hemlock
Hmh	Mountain x Western Hemlock hybrid
Hw	Western Hemlock
Hwh	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
Lx	Alpine Larch
Lt	Tamarack
Lw	Western Larch
PW	PINE
Pl	Lodge Pole Pine
Plf	Limber Pine
Pli	Lodgepole Pine
Plc	Lodgepole Pine (contorta)
Plx	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pa	Whitebark Pine
Pw	Western White Pine
Pfa	Whitebark Pine
Sb	SPRUCE
Sbi	Black Spruce
Se	Engelmann Spruce
Sep	Engelmann Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Spruce hybrid x White
Sxl	Spruce hybrid
Sxl	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	ASH
Ua	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Ass	Balsam Poplar
Act	Black Cottonwood
Ae	Trembling Aspen
At	Trembling Aspen
B	BIRCH
E	BIRCH
Ep	Alaska Paper Birch
Epp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ey	Yellow Birch
F	DOGWOOD
Fd	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
R	ROWAN
Wb	Bebb's Willow
Wp	Pacific Willow
Wpb	Pacific Willow (Barclay's)
Wf	Pussy Willow (grey-leaved)
Ws	Scouler's Willow
Wt	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

	APPLE
	ASH
Ux	ASPEN, COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
	BIRCH
Ek	*European Birch
Es	Silver Birch (swamp)
Ey	*Yellow Birch
	CHERRY
Bm	*Mazzard Cherry
Bc	*Pin Cherry
	CYPRESS
Yp	*Hybrid Cedar
	FIR (Balsam)
Bb	*Balsam Fir
Bp	Noble Fir
Bm	*Shasta Red Fir
Bl	White Fir
	LARCH
Lt	*Siberian Larch
Lt	*Siberian Larch
	MAPLE
Mr	Red Elder
Mr	*Norway Maple
Ms	*Sycamore Maple
	OAK
Qa	*English Oak
Qw	*White Oak
	PINE
Ca	*Incense Cedar
Ob	*Giant Sequoia
Ob	*Giant Sequoia
Od	European Mountain Ash
Ow	Siberian Elm (southern)
Ow	Siberian Elm
Oj	Oregon Ash
Oh	*White Ash
O	*Pradgeant Hickory
Oj	Japanese Walnut
Oa	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pn	*Austrian Pine
Ps	*Scots Pine
	SPRUCE
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 - 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 reached by dominant trees 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

Site index estimated from ecological data when permit present, e.g. biogeoclimatic (<50yrs) . If a site index is estimated by a site series, 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 recordA)

NON-TREES SHRUB

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

NON-TREES 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 graminoids > 50% of the herb cover.

NON-TREED BRYOID

bx	BRYOIDS - 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

xl	Exposed Land
xr	Rock / Rubble
s	Snow / Ice

NON-VEGETATED CATEGORIES (for V and I recordA)

ac	AERONT	gp	GRAVEL PIT	ma	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
ar	BEACH		GRAVEL	mp	RUBBLY MINE SPOILS	rm	RAILWAY SURFACE
bl	BLOCKFIELD	lk	LAVA BED	ow	OCEAN	rs	RIVER SEDIMENTS
br	BEDROCK	l	LANDING	ot	OTHER COVER	rs	ROAD SURFACE
bu	BURNED AREA	w	POND or LAKE SEDIMENTS	pr	PERMANENT SNOW	ta	TALUS
cb	CLIFF/CANYON	m	SURFACE MINE	re	RESERVOIR	tl	TAILINGS
es	EXPOSED SOILS	sn	SCRAWE	r	RIVER / STREAM	u	URBAN
gl	GLACIER						

Note: Water categories (lk, ow, re, r) not labelled over 50 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH	SF	SALT FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species		
D	DISTURBED	NPL	NON PRODUCTIVE LIMBABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMERCIAL BRUSH
KE	KEEFELD	P	HAYFIELD	NP	NON PRODUCTIVE
L	LOW BUSH	R	ROCK	NPBR	NON PRODUCTIVE RESTOCKED
MUD	MUDFLAT	S	SWAMP	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code preceded by symbol, followed by earliest date
First character of disturbance type designates category; refer to official code list for sub-category descriptions.

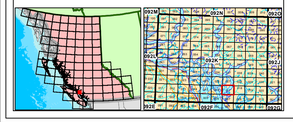
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

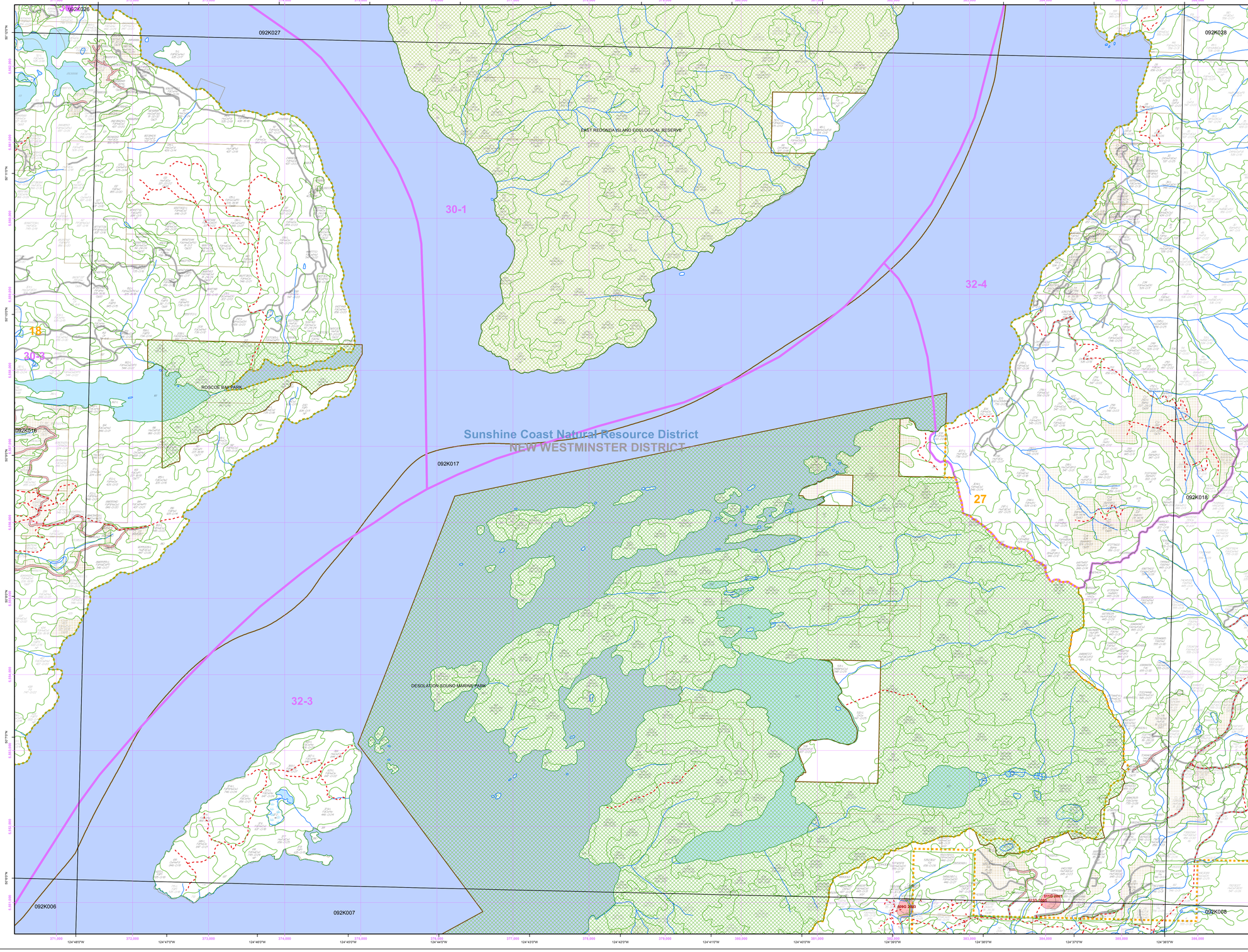
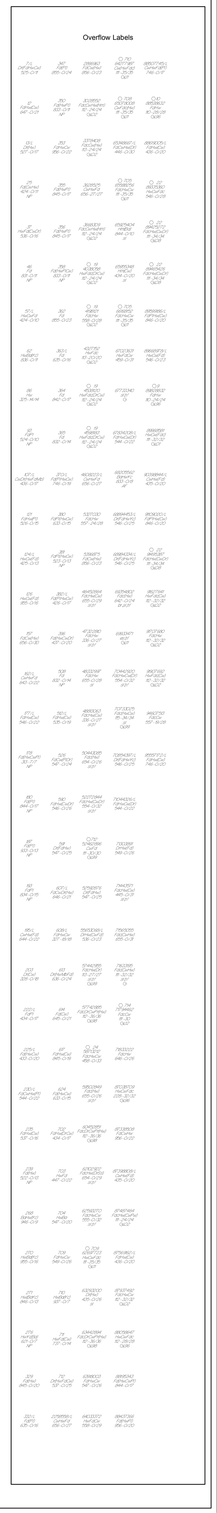
Example Opening History Details

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 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