092K025

Vegetation Map
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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 / 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
- Structure Opening or Vegetation
- Permanent Sample Plot (SYS)
- Research Installations

TRIM. Base Features:
- 4x Rural Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- AirFerries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Aq/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:

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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
 4    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    5 Vegetated Density Class (or Non-Forest/Productive Description)
      ex. a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
 6    6 Disturbance History & year - ex. Logged in 1978.
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Line 1 - History Record Opening Number

xxxx - opening number valid for BCGS mapsheet zzzx - 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

Cx	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
Je	Sweside Juniper
L	LARCH
La	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 Jack Pine hybrid
Pli	Ponderosa Pine (yellow)
Pla	Shore Pine (coast)
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxe	Engelmann x White
Sxs	Sitka x White
Sxw	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

A	ALDER
Gr	Red Alder
Ga	Sitka Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Abl	Balsam Poplar
Abt	Black Cottonwood
Ac	Hybrid Poplar
Ae	Trembling Aspen
B	BIRCH/TUE
Bp	Alaska Paper Birch
Bpx	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
C	CASCARA
Ct	Cascara
Ep	ELDER
Vs	Bitter Cherry
Vv	Choke Cherry
D	DOGWOOD
Dr	DOGWOOD
Dp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
S	WILLOW
Sg	Carry Oak
W	WILLOW
Wb	Black Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bankby's)
Wr	Red Willow (western sitkered)
Ws	Scouler's Willow
Wt	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (free out on list)
Zd	deciduous
Zh	other hardwood

EXOTICS

Ux	APPLE
	ASPEN, COTTONWOOD or POPLAR
Ae	*Southern Cottonwood
	BIRCH
Ep	*European Birch
Epx	Silver Birch (swamp)
Ej	*Yellow Birch
	CHERRY
Vs	Sweet Cherry
	CYPRESS
Yo	*Port Orford Cedar
	FIR (Balsam)
Bn	*Noble Fir
Bs	Noble Fir
Bm	*Shasta Red Fir
Bv	Grand Fir
	LARCH
Lr	*Dahurian Larch
Lk	*Japanese Larch
	MAPLE
Mk	Box Elder
Mr	*Norway Maple
Mk	*Sycamore Maple
	OAK
Qg	*English Oak
Qw	*White Oak
	OTHER EXOTICS
Oc	*Black Locust
Oh	*Giant Sequoia
Ov	*Coast Redwood
Oa	*Common Horse-Ash
Ou	Siberian Elm (southern)
Of	Common Pear
Oy	*Mountain Ash
Ow	*White Ash
Oj	*Shagbark Hickory
Ob	*Black Walnut
Oz	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Py	*Sugar Pine
Pw	White Pine
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

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 dominant trees. SI is estimated when there is sufficient height, age and height; estimated SI is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aremnt present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes the estimated number. Estimated SI is always Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

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

NON-TREED SHRUB
- st SHRUB TALL - shrub with average shrub height > or = to two metres.
- sm SHRUB MEDIUM - 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 graminoids > 50% of the herb cover.

NON-TREED BRYOID
- by 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 CATEGORIES *(for V and I records)*

ap	ALPINE	ml	MUDFLAT SEDIMENT
bd	BEACH	mp	RUBBLY MINE SPOILS
bl	BLOCKFIELD	oc	OCEAN
bs	BOULDERS	rk	ROCK
bu	BURNED AREA	rl	POND or LAKE SEDIMENTS
cb	CUTBANK	rs	RESERVOIR
ds	DEPOSITIONAL SOILS	rv	RIVER or STREAM
gl	GLACIER		

mr	RESERVOIR MARGIN
rn	RAILWAY SURFACE
rs	RIVER SEDIMENTS
ta	TALUS/SCREE
tl	TALUS
tz	TALUVIS
ur	URBAN

Note: Water categories (ls, ou, ra, rv) not labelled over 50 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
B	BRUSH	NPBS	NON PRODUCTIVE BRUSH
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
H	HERB (forb)	P	PRODUCTIVE
KE	KEFIELD	PF	NATIVEFIELD
M	MEADOW	R	ROCK
MUD	MUDFLAT	S	SWAMP

SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NSR	NOT SUFFICIENTLY RESTOCKED		
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		

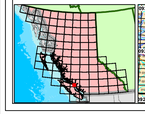
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

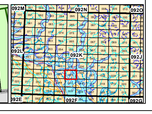
Example Opening History Details

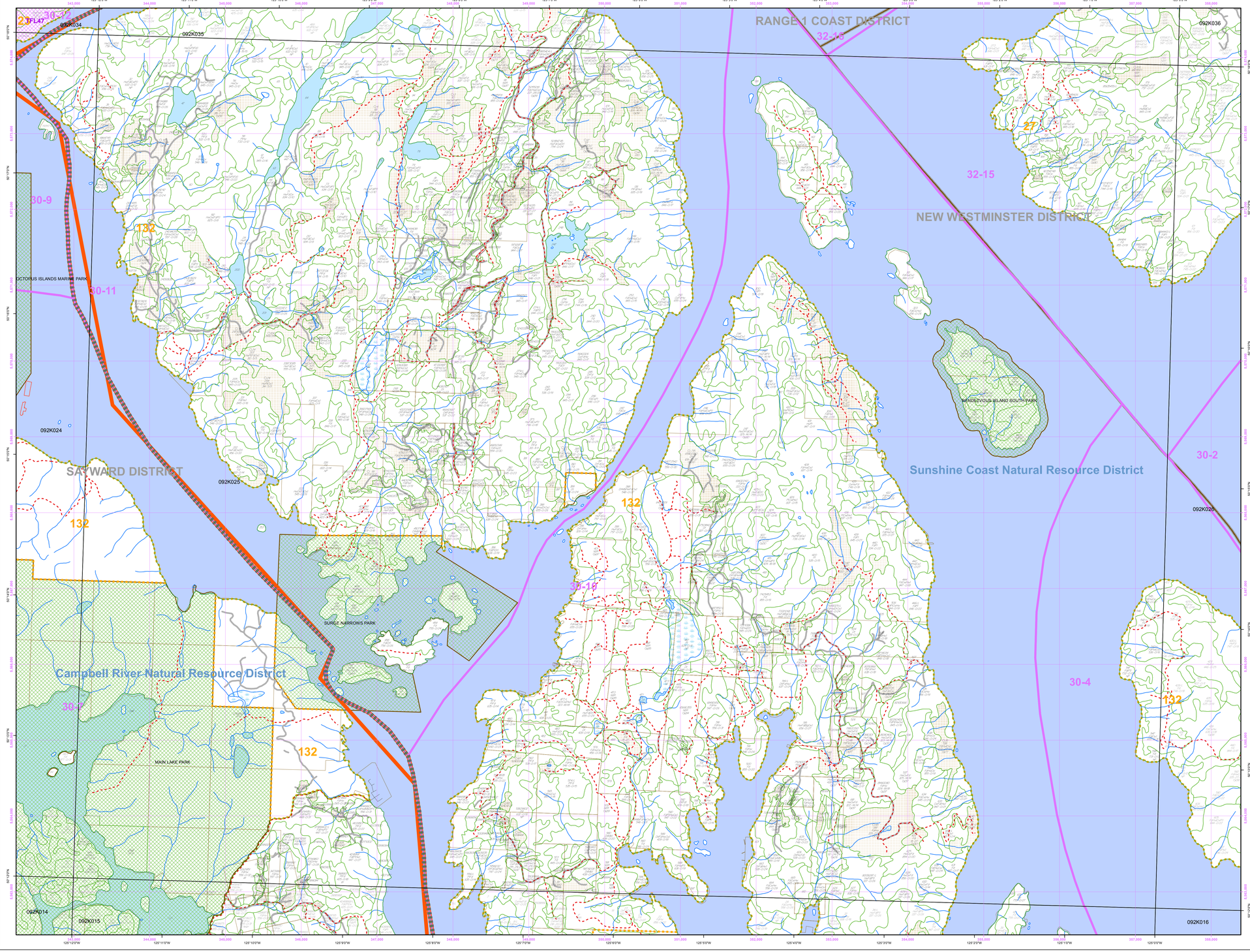
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap . The MapView example is of themed RESULTS data

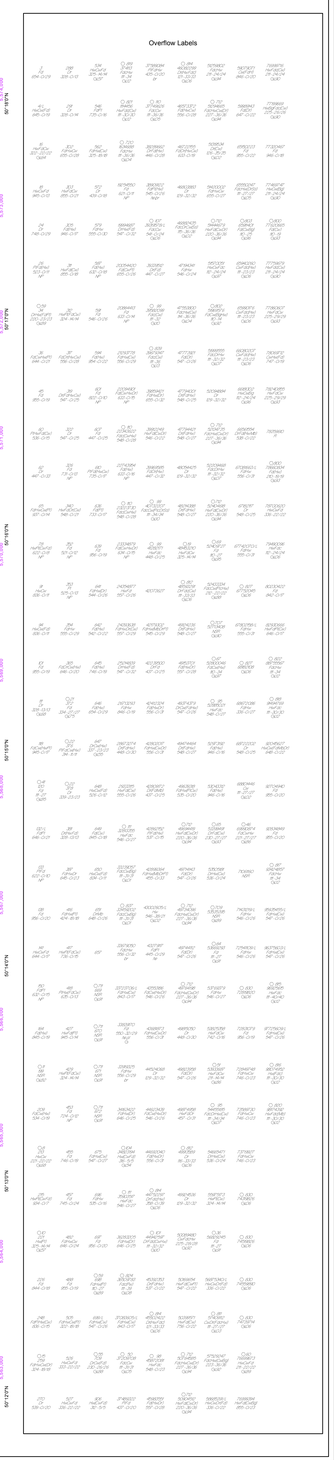
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for :

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









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