Vegetation Map
092F011

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 / Terrain

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to support the business needs of the Ministry of Forests, Lands, and Natural Resource Operations. The information contained may not be complete and up to date. Consistent administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revisions June 2014)

Labels Projected for: January 1, 2015

MAP SYMBOLOGY

Forest Inventory Typical as:
- Forest Vegetation Polygons
- Silviculture Opening or Vegetation
- Permanent Sample Plot (CVS)
- Research Installations

TRIM - Base Features:
- 4x Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airfields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeatures - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- FLNRO Region boundary
- Resource District boundary - FADM
- MH Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Terrains
- Municipal boundary (1:1,000,000 Ha - 1k to 1k Ha's)
- Municipal boundary (1:1,000,000 Ha1 - to 1k Ha's)
- National Parks
- Fire Perimeters
- 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
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 Estimated Site Index and Site Index Estimate Method
ex: a herb polygon with no distinction between herbs and graminoids, shrubs less that 2m
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number:
- opening number valid for BCGS mapsheet
- 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 Tree B.C. Ministry of Forests Tree Code List version 4.5 dated January 2009.

NATIVE CONIFERS

C	SCOAT
Cw	Western Red Cedar
Y	Yellow Cedar
H	Hemlock
Fd	Douglas Fir
Fdi	Interior Douglas Fir
Fdc	Coastal Douglas Fir
B	Fir (Subalpine)
Bl	Subalpine Fir
Bg	Grand Fir
Bb	Subalpine Fir (Alpine)
Bp	Pacific Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
Hmh	Mountain x Western Hemlock hybrid
J	Juniper
Jr	Rocky Mtn. Juniper
Jh	Oceanic Juniper
Js	Scopulorum
Lw	Alpine Larch
Lt	Tamarack
La	Subalpine Larch
P	Pine
Pl	Lodgepole Pine
Pli	Interior Pine
Plc	Lodgepole Pine (coastal)
Plcl	Lodgepole x Jack Pine hybrid
Pj	Jack Pine (Banksian)
Pa	Alaska Pine (Lowland)
Pw	Western White Pine
Pyc	Ponderosa Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	Spruce Hybrid
Sxe	Engelmann Hybrid
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	Yew
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Da	Sitka Alder
Dl	Pacific Crab Apple
Ac	MAPLE, COTTONWOOD or POPLAR
Ac	Maple
Act	Broad-Leaf Maple
Acl	Vine Maple
Ac	Hybrid Poplars
Ae	Trembling Aspen
E	ARBUTUS
Ae	Arbutus
Ep	Willow
Ew	Pacific Dogwood Shrub
Ewa	Alaska x Pacific Shrub hybrid
Ewp	Pacific Dogwood
Ep	Prairie Birch
Ea	Paper Birch
Ec	Cascara
Ek	Bitter Cherry
Eb	Black Cherry
Ch	Choke Cherry
Ed	Red Elderberry
D	DOGWOOD
Dp	Pacific Dogwood (western flowering)
Dn	Dogwood
Dnf	Eddie/Pacific (bracted)
Dnp	Pacific
G	Oak
Gg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wf	Feltleaf Willow (Barratt's)
Wd	Park Willow (grey leaved)
Wh	Hooker Willow
Wl	Sitka Willow (lace leaved)

UNKNOWN - OTHER

X	unknown
Xh	unknown broadleaf
Xc	unknown coniferous (or)
Xx	other conifer
Zx	other hardwood

EXOTICS

AP13	
Ja	Japan
Ac	MAPLE, COTTONWOOD or POPLAR
Ab	Southern Cottonwood
Ae	Aspen
Ew	European Birch
Ep	Black Locust (Locust)
Eo	Hedge Apple
EXDEBY	
Ei	Russian Olive
EXREQU	
Ts	Thuja Giant Cedar
Ts	Western Red Cedar
Fa	Balsam Fir
Bs	Noble Fir
Bn	Nordmann's Fir
Bc	Grand Fir
Lk	Japanese Larch
Ld	European Larch
Lx	Hybrid Larch
MAPLE	
Me	Box Elder
Mn	Norway Maple
Ms	Sycamore Maple
OAK	
Qr	English Oak
Qw	White Oak
Qn	Northern Pin Oak
Qe	Pedunculate Oak
Qp	Pin Oak
Qr	Red Oak
Qe	European Mountain Ash
Qa	Common Mountain Ash
Qf	Common Fern
Qg	Oregon Ash
Qa	White Ash
Qc	Pyramidal Ash
Qs	Green Ash
Qa	Ash
Pp	Norway Pine
Pr	Red Pine
Pb	Austrian 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	141-200
9	201 +

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)
1	0 - 5
2	6 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
0	86 - 100

4d SITE INDEX
Site index is the mean/metre referenced at 50 years breast height age. It is based on the age and height of the dominant and co-dominant trees. Site index is estimated from aged and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees aren't present, e.g. recently logged areas. Estimates are made by the use of site index predictor's. Associated fields in the data base are inventory Type Group and SI estimated source code.

Line 5 - Vegetation records:

VEGETATED NON-TREE CATEGORIES (for 6 and 7, on-ph):

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

NON-TREED HERB
- g GRAMINOID - herb with no distinction between forbs and graminoids.
- f FORB - HERBS - herb with forbs > 50% of the herb cover.
- h HERB - GRAMINOID - herb with graminoids > 50% of the herb cover.

NON-TREED WATER
- q WATER - liquid with no distinction between mosses and lichens by cover.
- m MOSS - MOSS - liquid with mosses, liverwort, and hornwort > 50% of the bryoid cover.
- l LICHEN - LICHEN - liquid with lichens > 50% of the bryoid cover.

NON-VEGETATED
- w Exposed Land
- r Rock Outcrop
- n Snow / Ice

NON-VEGETATED CATEGORIES (for 8 and 9, on-ph):

ap	AIRPORT	gp	GRAVEL PIT
b	BEACH	l	LAKE
bu	BUILDYARD	ld	LAKE BED
br	BRIDGE	la	LANDING
c	CLEARCUT AREA	ms	MUD/SILT SEDIMENTS
cu	CUTBANK	o	OPEN WATERS
es	EXPOSED SOILS	w	WOMARA
mu	MUSKEG	mw	RIVER/STREAM SEGMENT
p	POND	ow	OPEN WATER SHORES
pl	PLANTATION	rd	ROAD
r	ROCK	rr	RAILWAY
s	SLIDE	sl	SALT LAKE
sw	SWAMP	t	TAILINGS
w	WETLAND	u	URBAN

Note: Water categories (l, r, s, w) are labelled as polygons at all percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTION CODES (for 7 on-ph):

A	ALPINE	NP	NON-PRODUCTIVE
AF	ALPINE FOREST Openings	NPBR	NON-PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST Openings
G	GLACIER ICE	NPL	NON-PRODUCTIVE LINES
GR	GRAVEL PIT	OR	OPEN RANGE
ICE	ICEFIELD	P	PASTURE
MUD	MUD FLAT	R	ROCK
MUDF	MUD FLAT	S	SNOW
SAND	SAND		
SF	SILT FLAT		
U	URBAN		
W	WATER		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NPSTOCKED	NON PRODUCTIVE STOCKED		
NFA	NOT FIRM/ANALYSIS		

Line 6 - Disturbance History

Disturbance type code is 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	Mine Damage
D	Insects and Disease	N	Non-Biological Injuries
O	Overstory	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Perturbation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

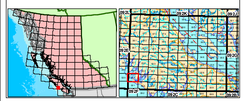
Example Opening History Details

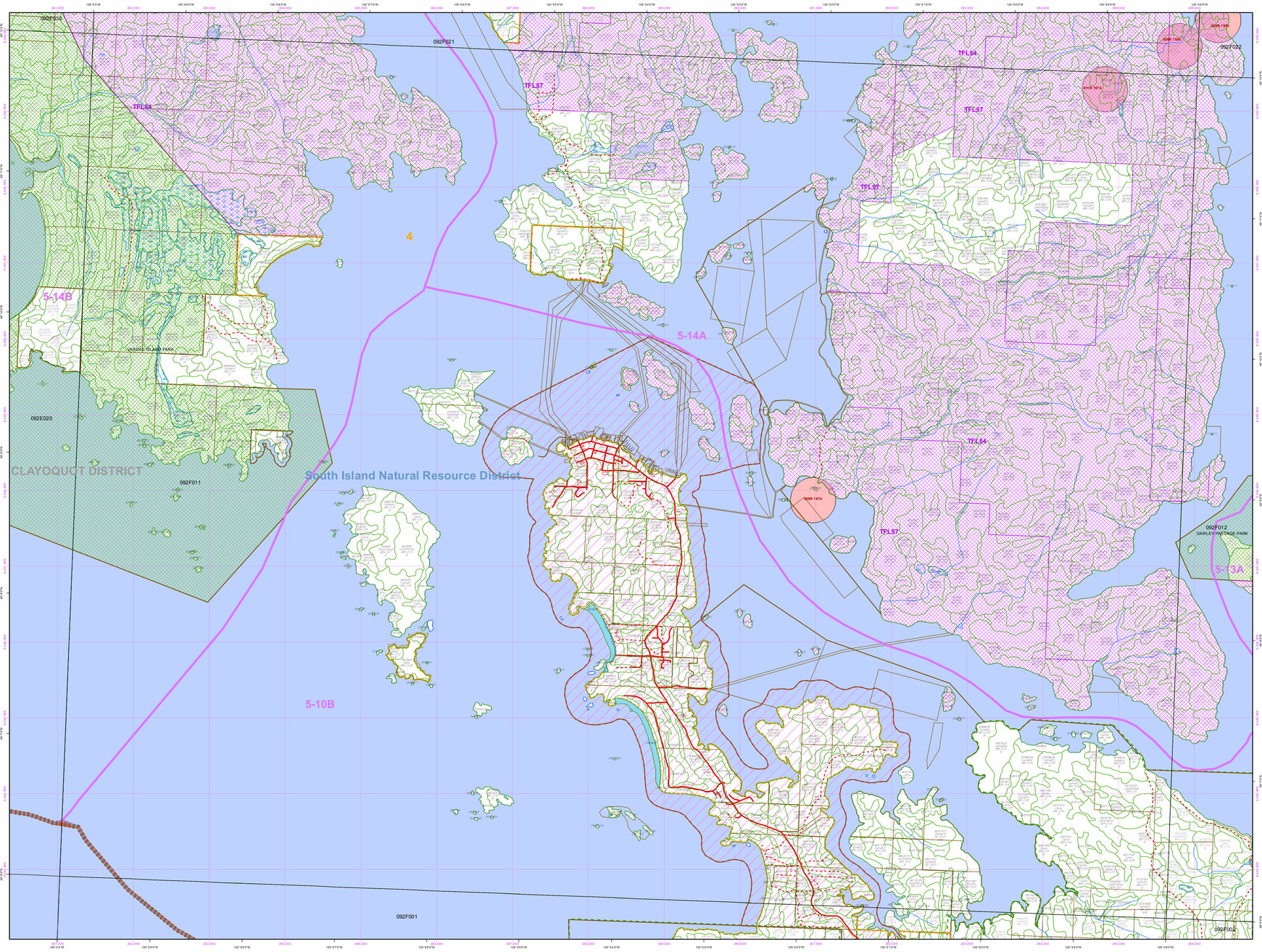
Detailed Silviculture information is available on the BCGW (forest.gov.bc.ca/ftp/). The MapView example is provided in the BCGS format.

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
OPENING - MANAGEMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH







Overflow Labels