0941022

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
094I022

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 contained may not be consistent with other Provincial datasets, 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 in Vegetation
- Permanent Sample Plot (CVS)
- Research Installations

TRIM. Base Features:
- 4x Bulk Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airs/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolin-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 hac - 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:

CO2 / 6Fd / 4Hw / 80 / 20 / 1L / CO79

LINE DESCRIPTION
1. Silviculture symbol and Opening Number
2. Polygon Number and multi-layer stand indicator (L)
3. Species Composition
   ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-15%), SI 20m
4. Age, Height, Crown Closure Class Code - separator: Site Index / estimated SI
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 1979

Line 1 - History Record Opeing Number

CO7 - opening number valid for BCGS mapsheet — 7SW - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

1. VRIMS Polygon Number - ranging from one to nine digits
2. - 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)
Bp	Pacific Fir
H	Mountain Hemlock
Hw	Western Hemlock
Hm	Mountain x Western hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Alpine Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole x Jack Pine hybrid
Pj	Jack Pine (boreal)
Pjc	Provincial Pine (caribou)
Pli	Shore Pine (coast)
Pw	Western White Pine
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Engelmann x White
Sxs	White x Sitka
Sxx	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
A	Poplar
Act	Balsam Poplar
At	Black Cottonwood
Ax	hybrid Poplar
Ac	Trembling Aspen
R	ARBUTUS
Ra	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Qg	Garry Oak
W	WILLOW
Wb	Black Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bantley's)
Wr	Rocky Mtn. Willow (Barrett)
Ws	Scouler's Willow
Wx	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

U	APPLE
Uw	*Wild Crab Apple
Ax	ASPEN, COTTONWOOD or POPLAR
Axt	*Southern Cottonwood
Ae	*Aspen
	European Birch
Ek	Silver Birch (swamp)
Ey	*Yellow Birch
	CHERRY
Vs	Sweet Cherry
	CYPRESS
Yo	*Port Orford Cedar
	MAPLE
Bs	*Balsam Fir
Bp	Noble Fir
Bn	*Nordmann Fir
Bc	*White Fir
	LARCH
Ld	*European Larch
Lk	*Siberian Larch
	MAPLE
Me	Sea Elder
Mn	*Norway Maple
Mk	*Sycamore Maple
	OAK
Qe	*English Oak
Qm	*White Oak
	OTHER EXOTICS
Ob	*Incense Cedar
Oc	*Giant Sequoia
Oc	*Coast Redwood
Oa	*European Mountain Ash
Oe	Siberian Elm (seuthorn)
Of	Common Pear
Oh	*Horsechestnut
Ok	*White Ash
Ol	*Shagbarck Hickory
Oj	*Black Walnut
Ojr	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pn	*Red Pine
Py	*Sugar 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

All SI are shown to the nearest metre referenced at 50 years breast height age. SI is estimated using one of the BC Forest feesting systems. When an accurate SI agency is 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 aremot present, e.g. immature stands, deciduous stands. The data is derived from previous SI Associated fields in the data base are the inventory Type Group and SI Estimated source code.

Line 5 Vegetation records

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

NON-TREED SHRUB
- sh SHRUB TALL — shrub with average shrub height > or = to two metres.
- sw SHRUB LOW — shrub with average shrub height < two metres.

NON-TREED HERB
- h 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
- b BRYOID — bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS — bryoid with mosses, liverwrts, and hornwarts > 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	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	ru	RUBBLY WIND SHOALS
bl	BLOCKFIELD	la	LAVA BED	rn	RIVER SEDIMENTS
bu	BUILT-UP AREA	mi	MINE SITE	sn	SNOW/ICE/GLACIER
bu	BURNED AREA	p	POND or LAKE SEDIMENTS	ta	TALUS
cb	CUTBANK	pa	OPEN PIT MINE	tl	TAILINGS
ds	DISTURBED SOILS	rd	ROADBED	ur	URBAN
gl	GLACIER				

rm	RESERVOIR MARGIN		
rw	RAILWAY SURFACE		
rv	RIVER SEDIMENTS		
sn	SNOW/ICE/GLACIER		
ta	TALUS		
tl	TAILINGS		
ur	URBAN		

Note: Water categories (la, mi, rs, rv) not labelled over 50 percent coverage.

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

A	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
AT	ALPINE FOREST-Ripeces	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
BE	BEACH	NPBU	NON PRODUCTIVE BURNT	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FORBS		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OB	OPEN RANGE	NCB	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
L	LAKE	R	ROCK	NPR	NON PRODUCTIVE RESTOCKED
MUD	MUDFLAT	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	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Disease	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

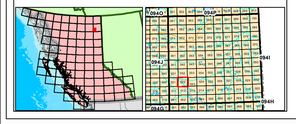
Example Opening History Details

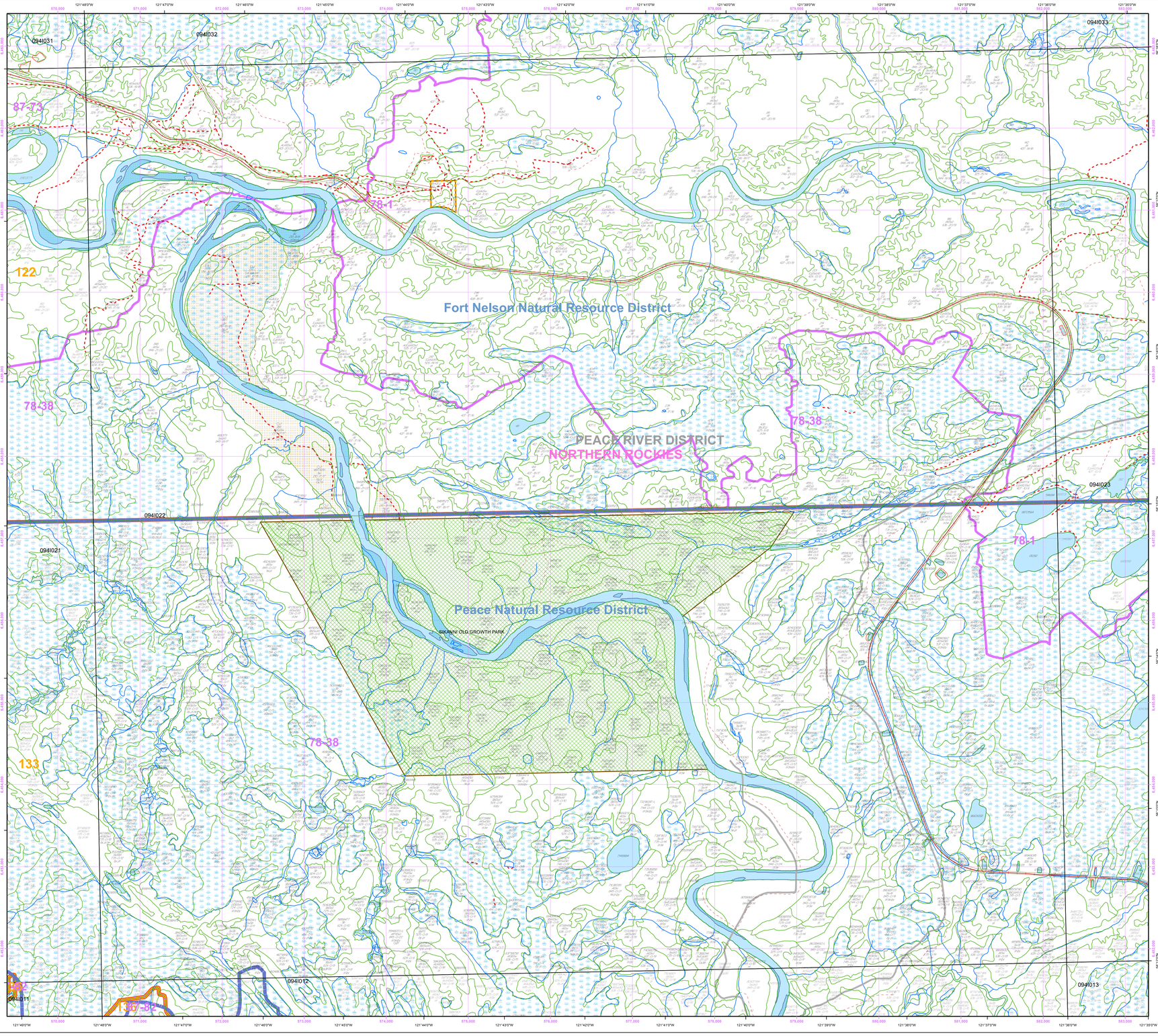
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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
- SILVICULTURE
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH







Overflow Labels

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