092B094

Vegetation Map
092B094

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 revised in June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Feature s:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (VRI)
- Research Installations

TRIM_Base Feature s:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Parters
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrobodiarlands - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- NV 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 (> 1:600,000 ha - 1% hatch)
- Municipal boundary (> 1:200,000 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:

092 BTA FdHw 35 20 Mof 0878

LINE DESCRIPTION
1 Mapsheet Number 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

092P - opening number valid for BCGS mapsheet 092W - 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 ie separate descriptions of each layer is available in the data base, (ie. 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

Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Fa	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hmx	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Jd	Desert Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine x Jack Pine hybrid
Pw	Western White Pine
Pa	Whitebark Pine
Pf	Limber Pine
Pfa	Limber x Whitebark Pine
Pyl	Lodgepole x Jack Pine hybrid
Pxj	Jack Pine x Lodgepole
Pxc	Shore Pine (coastal)
Pxi	Shore Pine (interior)
Pw	Western White Pine
Pxc	Shore Pine (coastal)
Py	Ponderosa Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sxe	Spruce hybrid
Sxe	Spruce hybrid
Sxw	Engelmann x White
Sw	White Spruce
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
D	Red Alder
U	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Ad	Black Cottonwood
Ac	Trembling Aspen
Ai	Trembling Aspen
R	ARBUTUS
Rm	Pacific Madrone
E	BIRCH
Ea	Alaska Paper Birch
Ep	Paper Birch (Alaska)
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
C	CHERRY
Vs	Bitter Cherry
Vo	Choke Cherry
Vu	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bentley's)
Wr	Red Willow (Drummond's)
Ws	Scouler's Willow
Ww	Sitka Willow (lowbrawl)

UNKNOWN - OTHER

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

EXOTICS

Ae	APPLE
Ae	ASPEN, COTTONWOOD or POPLAR
Ae	*Southern Cottonwood
Ey	BIRCH
Ey	*Asian Birch
Ey	Silver Birch (swamp)
Ey	*Yellow Birch
Ew	CHERRY
Vs	Sweet Cherry
Y	CYPRESS
Yo	*Monterey Cascad Cedar
	PIR (Ellsworth)
Be	*Balsam Fir
Bn	*Noble Fir
Bm	*Shasta Red Fir
Bb	*White Fir
L	LARCH
Lk	*Dahurian Larch
Ls	*Siberian Larch
	MAPLE
Mk	Box Elder
Mn	*Norway Maple
Ms	*Sycamore Maple
Oak	
Qw	*English Oak
Qw	*White Oak
	OTHER EXOTICS
Ou	*Incense Cedar
Ox	*Coast Redwood
Ox	European Mountain Ash
Ox	Siberian Elm (southern)
Ot	Common Pear
Ow	*Western Yew
Ow	*White Ash
Ot	*Staghorns Hickory
Ot	*Black Walnut
Ot	Japanese Walnut
PINE	
Pm	*Monterey Pine
Pi	*Red Pine
Ps	*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
Site Index is estimated by the Forest Cover Inventory Branch using leading species, which is an account for species not contained in age 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. Immature stands. The SI is estimated by the Forest Cover Inventory and provides 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
- a SHRUB TALL - shrub with average shrub height > or = to two metres.
- w SHRUB LOW - shrub with average shrub height <two metres.

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

NON-TREED BRYOID
- b 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	AIRPORT	gr	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mr	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lb	LAKEBED	ot	OCEAN
bu	BUILT-UP	lk	LAKE SILT	pc	PERMANENT SNOW
bx	BURNED AREA	lp	POND or LAKE SEDIMENTS	pr	SNOW COVER
cn	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
ds	DISTURBED SOILS	mn	MORAINE	ri	RIVER / STREAM
ex	EXPOSED				

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

AA	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species
DU	DUNE or BARRENS	OA	OPEN AGRICULTURALE
GR	GRAVEL PIT	OR	OVERGRAZED
ICE	ICEFIELD	P	HAYFIELD
MU	MUDFLAT	S	SWAMP
NGD	NGD TALAT	S	SWAMP

MND	SAND		
TEE	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NPF	NON PRODUCTIVE FOREST STOCKED		
NTA	NOT TYPED 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	Core and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

Example Opening History Details

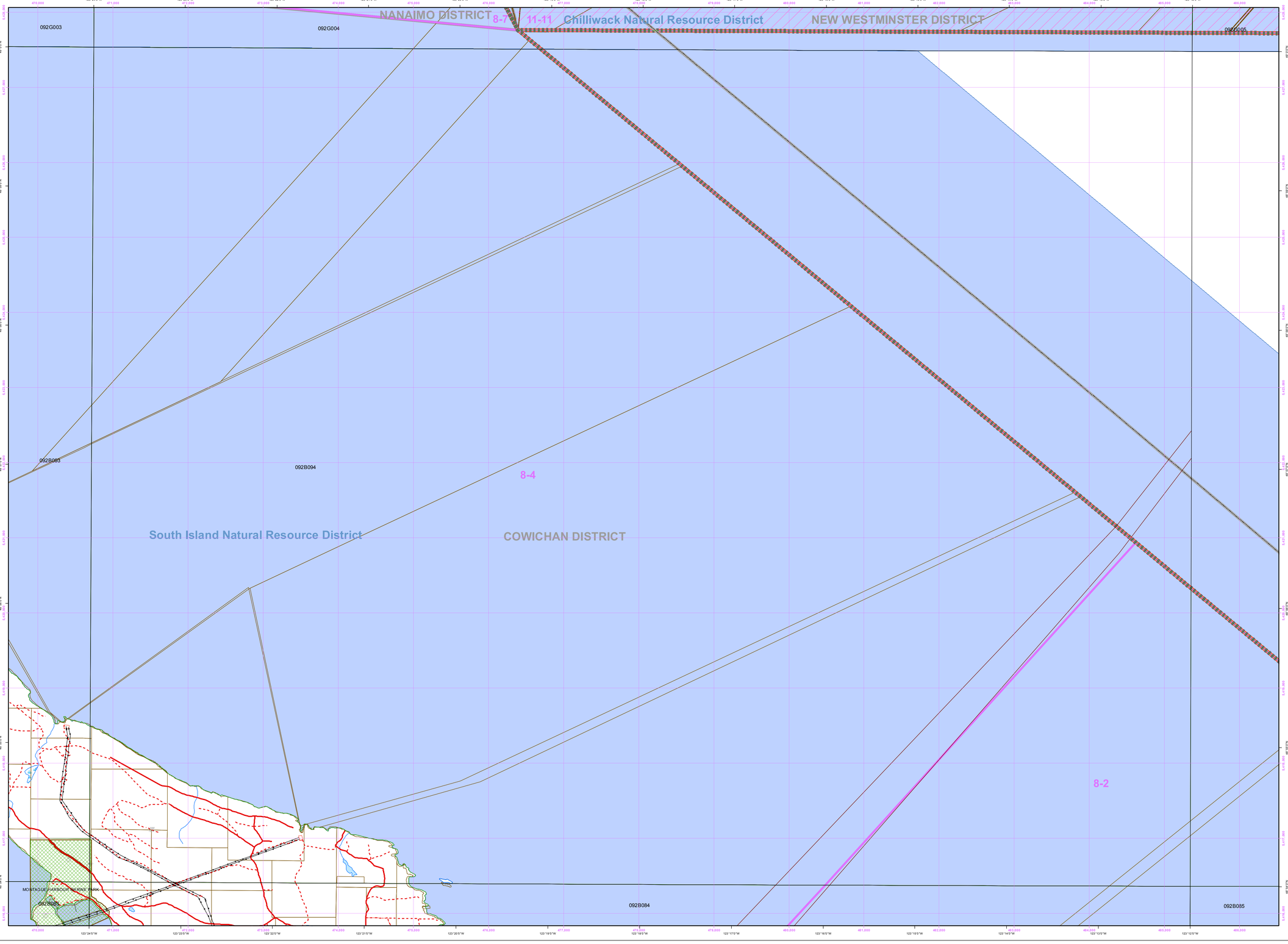
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of thinned RESULTS data.

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 NO
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH







Overflow Labels