103H092

Vegetation Map
103H092

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRMS© 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
- Silviculture Opening in Vegetation
- Permanent Sample Plot (CFS)
- Research Installations

TRIM_Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Ferry Routes
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroelectric Reservoirs - 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:

LINE DESCRIPTION
1 Silviculture symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
ex. the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
4 Age Class, Height Class, Crown Closure Class (Site Index)
ex. stand is age class 2 (21-40 yrs), height class 1 (0.5-10.4m), 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

opening number valid for BCGS mapsheet ; ccc# - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRMS 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

C	CEDAR
Cw	Western Red Cedar
Y	Yellow Cedar
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
P	PINE
Pa	Knobby Min. (whitebr.
Pj	Sawada Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
Pw	Pine
Pf	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Pxj	Lodgepole x Jack Pine hybrid
Pxw	Ponderosa Pine (yellow)
Ps	Shore Pine (coast)
Pyc	Ponderosa Pine (western)
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	Hybrid Spruce
Sx	White Spruce
Sx	Spruce hybrid
Sxl	Sitka x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Sw	White Spruce
Yp	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Ds	Sitka Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
At	Black Cottonwood
Ax	Hybrid Poplars
At	Trembling Aspen
Ep	Paper Birch
Ra	Arbutus
E	BIRCH
Ep	Alaska Paper Birch
Epg	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
G	GARRY OAK
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vs	Sweet Cherry
Z	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Gs	WILLOW
Gm	Giant Willow
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bebbiy's)
Wwl	Pussy Willow (gray-leaved)
Ws	Scouler's Willow
Wsp	Scouler's Willow (tree-like/old)

UNKNOWN - OTHER

X	unknown conifer
Xc	unknown broadleaf
Xh	unknown hardwood
X	unknown tree (not conifer/broadleaf)
Zx	other conifer
Zh	other hardwood

EXOTICS

Ua	APPLE
Ux	ASPEN, COTTONWOOD or POPLAR
Ab	*Southern Cottonwood
	BIRCH
Ep	European Birch
Ep	Silver Birch (swamp)
Ep	Weeping Birch
	CHERRY
Vs	Sweet Cherry
Vp	*Pin Cherry
Vs	*Hurt Orford Cedar
	FIR (Balsam)
Bn	*Noble Fir
Bn	Noble Fir
Bm	*Shasta Red Fir
Bm	Shasta Red Fir
	LARCH
Ld	*Dahurian Larch
Le	*European Larch
	MAPLE
Mp	*Norway Maple
Mr	*Norway Maple
	OAK
Qc	*Chestnut Oak
Qc	*Coast Redwood
Qr	European Mountain Ash
Qr	*Common Oak (southern)
Qf	Daimyo Oak
Qg	Oregon Ash
Qf	*White Ash
Qg	*Oregon White Ash
Oj	Tree-of-heaven
Oj	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Pp	*Scots Pine
	SPRUCE
Sn	*Norway Spruce

Line 4

4a ASE 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
SI 20 are known to the nearest metre referenced at 50 years breast height age. SI is based on the age and height of the tallest tree (dominant) on the site. Site index information age and height, estimated SI is shown after,or replaces the SI.

4e ESTIMATED SITE INDEX
SI is estimated when suitable SI trees cannot present, e.g. young stands or cutovers. It is denoted by a slash which always precedes the estimated SI. Site index is based on 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.
- sk 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
- by BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- al Exposed Land
- w Water - lake
- ss Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gr	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mr	RUBBLY MINE SPOILS
bf	BOG, FIELD	lk	LAKEBED	mt	TAILINGS
br	BEDROCK	ld	LANDING	ot	OTHER
bu	BURNED AREA	rs	POND or LAKE SEDIMENTS	ps	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	rr	RESERVOIR
de	EXPOSED SOILS	mn	MORAINE	rv	RIVER / STREAM
dl	DELTA				

rm RESERVOIR MARGIN
rw RAILWAY SURFACE
sd SEDIMENTS
rd ROAD SURFACE
ta TALUS
tl TAILINGS
ur URBAN

Note: Water categories (ta, ds, ra, rv) not labelled over 50 per cent coverage.

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

ALPINE		NP	NON-PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Spruce	NPBR	NON-PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN	U	URBAN
CP	CUTBLOCK	OF	OPEN PRODUCTIVE FOREST (Spaces		
G	GRAVEL BAR			NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
H	HAYFIELD	P	HAYFIELD	NP	NON-PRODUCTIVE
M	MEADOW	R	ROCK	NPSL	NOT SATISFACTORILY STOCKED
MUD	MUDFLAT	S	SWAMP	NR	NOT REFORESTABLE

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

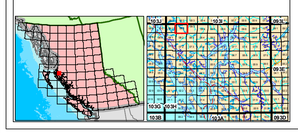
Example Opening History Details

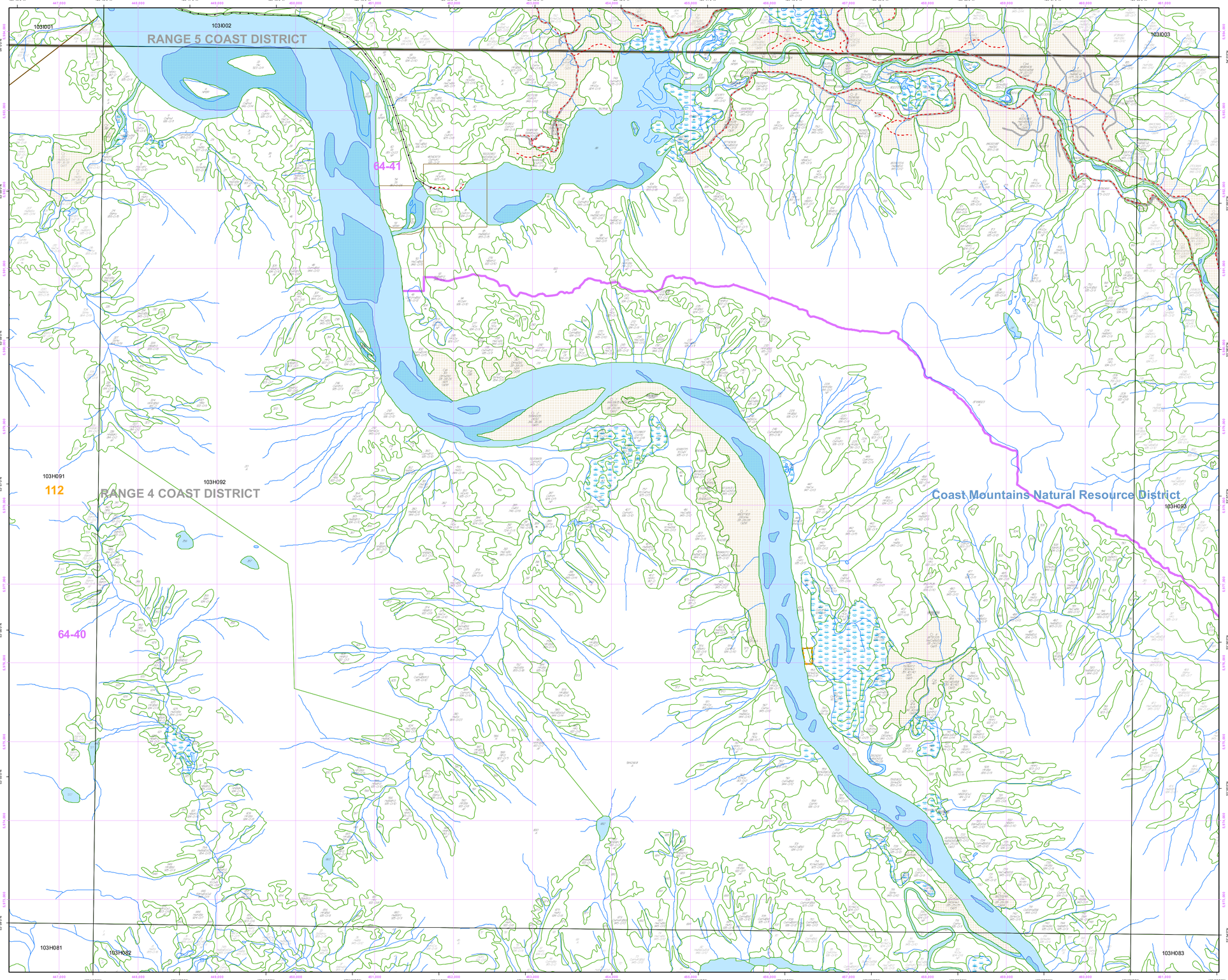
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of theme 4 = RESULTS data.

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







Overflow Labels

103H092