103H054

Vegetation Map
103H054

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 analytical functions of the Ministry of Forests, Lands, and Natural Resource Operations. The information displayed on this map is compiled from various data collection and 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 (CVS)
- Research Installations

TRIM - Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fields
- 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
- 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. Fir the most important layer is described as Fd (Douglas 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 (3.1-10.4m), 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

- opening number valid for BCGS mapsheet
0001 - opening number has not been assigned

Line 2 - Polygon No. / Multilayer

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 4.8 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Yc	CYPRESS
Yc	Yellow Cedar
Fd	Douglas Fir
Fdi	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	Hemlock x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Jsc	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Jack Pine
Pf	Limber Pine
Pli	Lodgepole Pine
Pl	Lodgepole Pine (interior)
Plc	Lodgepole x Jack Pine hybrid
Pm	Mountain Pine (yellow)
Pw	Shore Pine (coast)
Pw	Western White Pine
Pw	Whitebark Pine
Py	Ponderosa
Sb	Black Spruce
Se	Engelmann Spruce
Sel	Sitka x White
Sx	White (unknown hybrid)
Sw	White Spruce
Sx	Spruce hybrid
Sxe	Engelmann x White
Sxl	Sitka x White
Sx	White (unknown hybrid)
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
V	APPLE
Up	Pacific Crab Apple
Act	BALSAM / COTTONWOOD or POPLAR
Ac	Poplar
Abl	Balsam Poplar
Act	Black Cottonwood
Ax	Hybrid Poplars
At	Trembling Aspen
E	BIRCH
Ep	Alaska Paper Birch
Ekl	Alaska x Paper Birch hybrid
Ew	Water Birch (white)
Ew	Water Birch
K	CASCARA
G	DOGWOOD
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vy	Y∧ Cherry
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
Qg	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wpb	Pacific Willow (Barclay's)
Wrd	Pussy Willow (gray leaved)
Ws	Scouler's Willow
Wtl	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

Ue	APPLE
	Apple
	ASPEN, COTTONWOOD or POPLAR
Act	*Southern Cottonwood
Ae	*Aspen
Eb	*European Birch
Ebs	*Silver Birch (swamp)
Ep	*Paper Birch
	CHERRY
Vs	*Sweet Cherry
Vp	*Pin Cherry
Yo	*Yew (Other)
	FIR (Balsam)
Bb	*Balsam Fir
Bp	Noble Fir
Bpg	*Grand Fir
Bs	*White Fir
	LARCH
Lkl	*Dunkeln Larch
Ll	*Siberian Larch
	MAPLE
Me	Box Elder
Mh	*Norway Maple
Mp	*Sycamore Maple
	OAK
Qe	*English Oak
Qm	*Mongolian Oak
	OTHER EXOTICS
Oc	*Incense Cedar
Ob	*Giant Sequoia
Ov	*Coast Redwood
Ow	*Western Hemlock
Oz	European Mountain Ash
Oe	Siberian Elm (southern)
Oh	*Horsechestnut
Og	Oregon Ash
Oh	*White Ash
O	*Black Walnut - Hickory
Ot	*Tree of Heaven
Oh	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pn	*Austrian
Pp	*Scots 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

SI (Site Index) is the mean dominant referenced at 50 years Breast Height Age. SI is based on the age and height of the leading species. When an accurate SI cannot be 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 are not present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes it. Associated texts 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
- s - SHRUB - shrub with average shrub height > or = to two metres.
- sl - SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- he - HERB - herb with no distinction between forbs and graminoids.
- h - 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 - BRYOID - 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
- r - Rock / Rubble
- w - Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

A	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mv	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lb	LAVA BED	oc	OCEAN
c	CULTIVATED	m	MARSH	sn	PERM SNOW
bs	BURNED AREA	s	POND or LAKE SEDIMENTS	sp	SNOW COVER
cs	CUTBANK	mi	OPEN PIT MINE	rs	RESERVOIR
d	EXPOSED SOILS	mn	MORAINE	rr	RIVER / STREAM

mm	RESERVOIR MARGIN
mr	RAILWAY SURFACE
rs	RIVER SEDIMENTS
ro	ROAD SURFACE
ta	TALUS
tl	TAILINGS
ur	URBAN

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

A	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON-PRODUCTIVE BRUSH	SF	SALT FLAT
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NPN	NON-PRODUCTIVE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OA	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON-PRODUCTIVE
MUD	MUDFLAT	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	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.

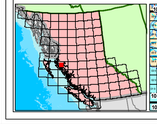
A	Animal Damage	L	Logging
B	Wildfire	M	Mis-Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects	R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

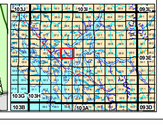
Example Opening History Details

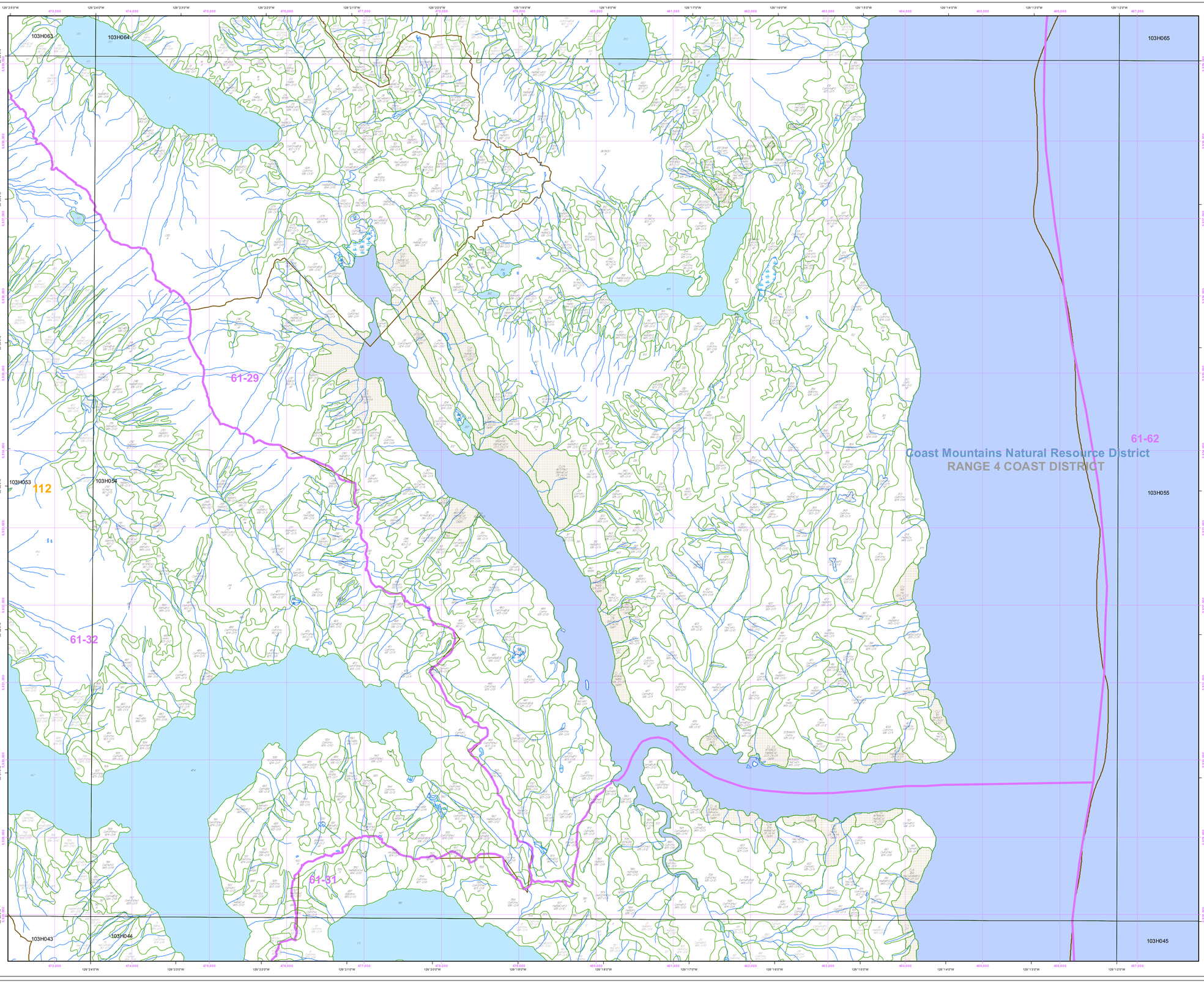
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of theme RESULTS data.

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