Vegetation Map
093D100

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 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
- Structure Opening in Vegetation
- Permanent Sample Plot (2015)
- Research Installations

TRIM. Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- 4x4 Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydr/Ice/Barriers - 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 (> 1:500,000 fat - 15 % hatch)
- Municipal boundary (> 1:500,000 fat) - 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
C120	1 Silviculture symbol and Opening Number
E23	2 Polygon Number and multi-layer stand indicator (L)
Fd,Hw	3 Species Composition
120	4 Age, Height, Closure Class Code - separator: Site Index / estimated SI
24/21	ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-15%), SI 20m
INVC	5 Inventory type, Site Series, Structure Description
CUT28	ex: a fresh 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

0001 - opening number valid for BCGS mapsheet 0000 - opening number has not been assigned

Line 2 - Polygon No. / Multilayer

VRIMS Polygon Number - ranging from one to nine digits
L Multi-layered stand is seperate description of each layer is available in the data base, i.e. L2)

Line 3 - BC Tree Code List

Species Compositions: Species are labelled 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 dataed January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Y	YEW
Yp	Pacific Yew
F	DOUGLAS FIR
Fd	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Fd	Douglas Fir
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Ji	Juniper sp(p)
L	LARCH
La	Alpine Larch
Lw	Western Larch
Lt	Tamarack Larch
P	PINE
Pa	Whitebark Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole x Jack Pine hybrid
Pj	Ponderosa Pine (yellow)
Pp	Ponderosa Pine
Pw	Western White Pine
Pf	Limber Pine
S	SPRUCE
Sw	Engelmann Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sxs	Sitka Spruce
Sx	Spruce hybrid
Sxe	Engelmann x White
Sxw	White x Lutz
Sxl	Sitka x Unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
A	APPLE
Ax	Pacific Crab Apple
E	BIRCH, COTTONWOOD or POPLAR
Ep	Poplar
Ea	Aspen Poplar
Act	Black Cottonwood
Ac	Balsam Poplar
Vb	Trembling Aspen
R	ARBUTUS
Ra	Arbutus
B	BIRCH
Bp	Alaska Paper Birch
Bpk	Alaska x Kenai Birch hybrid
Ew	Paper Birch (white)
Bw	Water Birch
Bb	Bog Birch
C	CASCARA
Cn	Cascara
Vb	Sitka Cherry
Vc	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
U	ELM
Up	Camy Elm
Ut	Slippery Elm
Wb	Bebb's Willow
Wp	Pacific Willow
Wpb	Pacific Willow (Barrett's)
Wr	Rocky Willow (pre-harvest)
Wrh	Rocky Willow (hybrid)
Wt	Sitka Willow (tree-leaved)

UNKNOWN - OTHER

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

EXOTICS

Ue	APPLE
	EUROPEAN, COTTONWOOD or POPLAR
Act	Southern Cottonwood
Ae	Aspen
Ew	European Birch
Ewp	Paper Birch (exotic)
Ey	Yellow Birch
Vs	Sweet Cherry
	CYPRESS
Yp	Nootka False Cedar
	FIR (Balsam)
Bp	Balsam Fir
Bc	Corkbark Fir
Bm	Minaret Red Fir
Bc	White Fir
	LARCH
Lt	Tamarack Larch
Le	European Larch
	MAPLE
Mr	Red Maple
Ms	Sycamore Maple
	OAK
Qg	English Oak
Qw	White Oak
	POPLAR or ASPEN
Ow	Hoarse Cottonwood
Qx	Quaking Aspen
Qx	Trembling Aspen
Ox	European Mountain Ash
Ow	Siberian Elm (southern)
Ou	Siberian Elm
Oa	Oregon Ash
Ot	Thornless Honey
Oy	Straglanta Hickory
Ob	Black Walnut
Ok	Japanese Walnut
	PINE
Pm	Monterey Pine
Pw	White Pine
Pp	Ponderosa Pine
Pp	Pine
Pm	Mexican Pine

Line 4

4a AGE CLASS

0	0 (years)
1	1-20
2	21-40
3	41-60
4	61-80
5	81-100
6	101-120
7	121-140
8	141-160
9	161+

4b HEIGHT CLASS

CODE	HEIGHT CLASS (metres)
1	0.1 - 10.4
2	10.5 - 19.4
3	19.5 - 27.4
4	27.5 - 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	CROWN CLOSURE (% percentage)
0	0
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 from stem analysis, height sweeps, Whole an accurate SI cannot be determined from 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, stands with a history of disease or disturbance 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
- st SHRUB TALL - shrub with average shrub height > or = to two metres.
- sh SHRUB LOW - shrub with average shrub height < two metres

NON-TREED HERB
- hg HERB - herb with no distinction between forbs and graminoids.
- hf FORB - herb with forbs > 50% of the herb cover.
- hg GRAMINOID - 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, hornworts, and liverworts > 50% of the bryoid cover.
- bl BRYOID LICHEN - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED CATEGORIES: (for V and I records)

ea AIRPORT	gr GRAVEL PIT	rm MUDFLAT SEDIMENT
ba BARREN	ic ICE	ro ROCK AND SPOILS
bl BLOCKFIELD	la LAKE-BED	rs RIVER SEDIMENTS
br BEDROCK	l LANDING	rd OTHER
ca CREVICE/CAVE	ms MINERAL AGE SEDIMENTS	sn SNOWCOVER
cu CUTBANK	ol OPEN PIT MINE	sg GLACIER
es EXPOSED SOILS	wa WORKING	r RIVER / STREAM
gl GLACIER		

Note: Water categories ea, ea, la, r must identified over 50 percent coverage.

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

A	ALPINE	NPBS	NON-PRODUCTIVE BRUSH
F	ALPINE FOREST Species	NPBU	NON-PRODUCTIVE BURN
C	CULTIVATED	NPMU	NON-PRODUCTIVE MUSKEG
D	DISTURBED	NPOT	NON-PRODUCTIVE OTHER Species
G	GRASS, BAR	NT	NOT TYPING AVAILABLE
K	KRUMMHOLZ	O	OPEN FOREST RANGE
KB	KEIFIELD	P	HAYFIELD
MU	MUSKEG	S	SWAMP
MUD	MUD FLAT		

SAND	SAND
TIDE	TIDAL FLAT
U	URBAN
NC	NON COMMERCIAL
NCB	NON COMMERCIAL BRUSH
NP	NON PRODUCTIVE
NPR	NON PRODUCTIVE RESTOCKED
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.

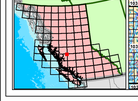
A	Animal Damage	L	Logging
C	Cultural	N	Non-Forest Range
I	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
	Insects		
		B	Site Rehabilitation
		F	Fire (Wildfire)
		H	Damage Unknown
		V	Protisem Vegetation

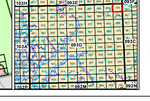
Example Opening History Details

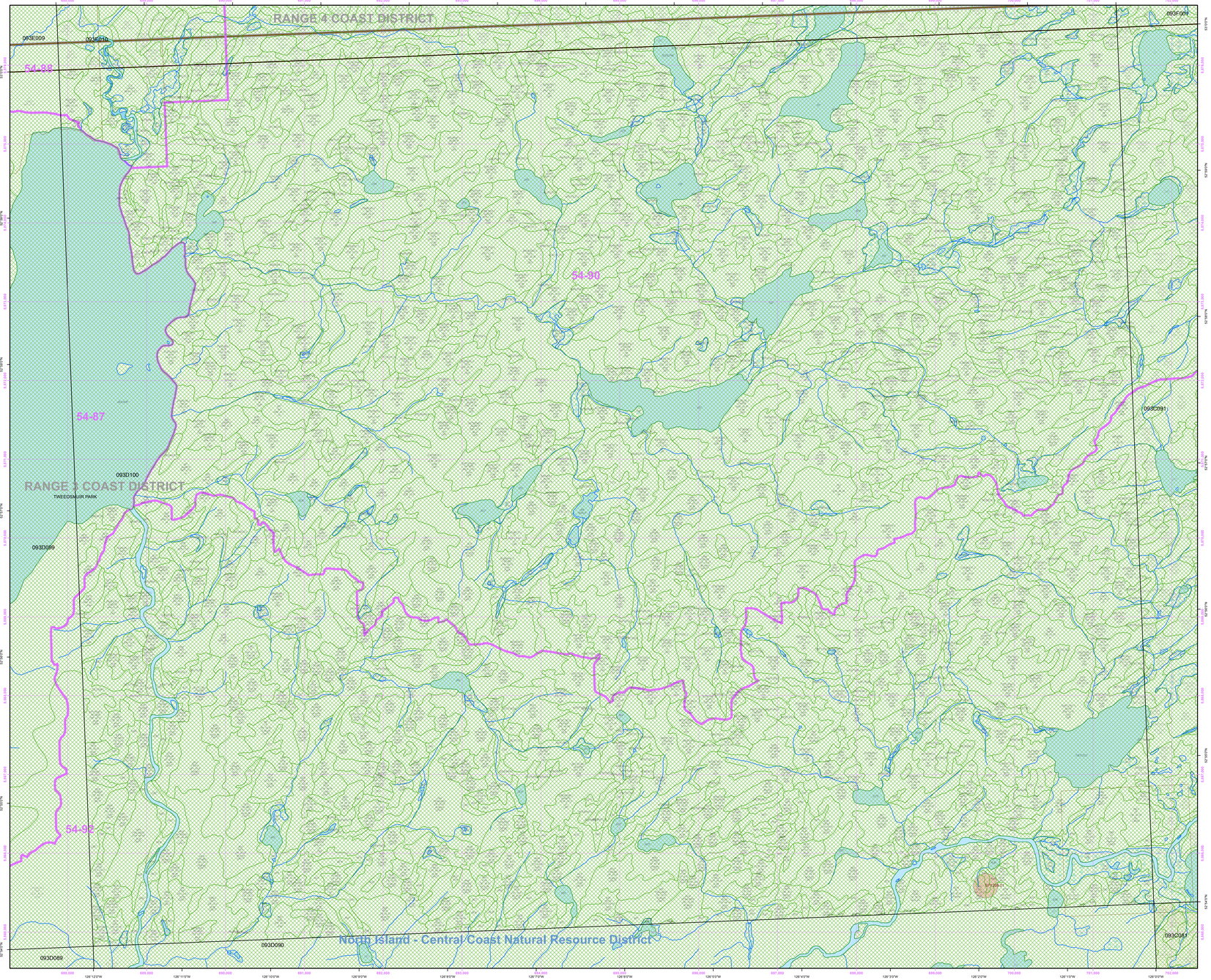
Detailed Silviculture information is available on the BCGR utilizing either IMF or ArcMap. The MapView example is of thinned RESULTS data.

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 Layers" to turn on display values for -

OPENING
OPENING LABELS
OPENING / PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
SILVICULTURE
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH







Overflow Labels