103G069

Vegetation Map
103G069

Scale 1:20,000

0 0.25 0.5 0.75 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRIMS I 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 on this map is derived from various data capture, administrative boundaries and the Ownership colour the me are for reference purposes only. (Legend available June 2014).

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (GY3)
- Research Installations

TRIM, Base Features:
- All Built Roads
- Forest Tenure Road Lines
- Forest Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf ields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroelectric Reservoirs - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- NV. Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area-Black - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary (1:1,000,000 Tol - 1 5 % hatch)
- Municipal boundary (1:1,000,000 Tol - 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

CC
EC1
FdHw
PJ
Sx
Cw
G28

LINE DESCRIPTION
1 Structure 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 - ex. 100 years / 10-16 metres / 40-55%
ex. stand A age class 2 (21-40 yrs), height class 1 (5.1-10.4m), crown closure class 1 (6-15%), S=2.0m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex. a Fen/s 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

xxx - opening number valid for BCGW mapsheet 0000 - 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 (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

CE	CEDAR
Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cypress
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
Hwk	Inland Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
L	LARCH (tamarack)
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (contorta)
Plx	Lodgepole x Jack Pine hybrid
Pj	Jack Pine (banksian)
Pw	Shore Pine (island)
Pw	Western White Pine
Py	Ponderosa Pine
S	SPRUCE
Se	Englemann Spruce
Sep	Englemann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sxl	Spruce Hybrid
Sxw	Englemann x White
Sxl	Sitka x White
Sxw	White x Lower hybrid
Y	YEW
Yc	Western Yew

NATIVE HARDWOODS

D	DECIDUOUS
Dr	Red Alder
U	APPLE
Ac	ASPEN, Dalt Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
At	Black Cottonwood
Ax	hybrid Poplars
Ae	Trembling Aspen
Ab	ARBUTUS
Ata	Alnicuba
Ag	Garry Oak
Ep	Alaska Paper Birch
Epg	Alaska x Paper Birch hybrid
Ew	Water Birch (white)
Ep	Paper Birch
K	DOGWOOD
G	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Ma	Vine Maple
O	OAK
Gb	Garry Oak
Q	Oak
X	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Barclay's)
Wr	Pacific Willow (grey-leaf)
Wy	Sitka Willow
Ww	Willow (Willow (tree-leaved))

UNKNOWN - OTHER

X	UNKNOWN
Xc	other coniferous
Xh	unknown hardwood
Z	OTHER (tree not on list)
Zz	other broadleaf
Zz	other hardwood

EXOTICS

Ux	EXOTIC
Ue	Apple
Ue	ASPEN, COTTONWOOD or POPLAR
Ueb	Black Cottonwood
Ueb	BIRCH
Ew	European Birch
Ewk	Karelian (Masursky)
Ey	Yellow Birch
Ye	CHERRY
Yb	Black Cherry
Yp	CYPRESS
Yp	Port Orford Cedar
Ue	Hawthorn
Ue	Siberian Fir
Bp	Noble Fir
Bpr	Red/Noble Red Fir
Bn	Nikko Fir
Lk	LARCH
Lk	Japanese Larch
Lk	Siberian Larch
Lkl	MAPLE
Mr	Red Maple
Mn	Norway Maple
Ms	Sycamore Maple
Oak	OAK
Oe	English Oak
Or	Red Oak
OTHER EXOTICS	
Ce	Incense Cedar
Cn	Nootka Cypress
Cp	Pond Cypress
Cs	Sawara Cypress
Cl	Lawson Cypress
Cm	Monterey Cypress
Pn	Noble Fir
Pr	Red Fir
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, for the species listed. Site curves are used for leading species. Where 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 cannot present, e.g. young stands. Site curves are used for leading species which are provinces 4 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 polygons)

NON-TREED SHRUB
- sc - SHRUB TALL - shrub with average shrub height > or = to two metres.
- st - SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- he - 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
- bs - BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm - BRYOID - MOSSES - bryoid with mosses > 50% of the bryoid cover.
- bl - BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- ar - Exposed Land
- rs - Rock / Rubble
- w - Snow / Ice

NON-VEGETATED CATEGORIES (for V and I polygons)

ae	AIRPORT	gb	GRAVEL PIT	mu	MUCK/FAT SEDIMENT
be	BEACH	lk	LAKE	mr	RUBBLY MINE SPOILS
bi	BUILT AREA	lr	LAKE RES	ot	OTHER
br	BURNED AREA	lv	LANDING	ot	OTHER
bu	BURNED AREA	lk	POND or LAKE SEGMENTS	sc	SNOW COVER
cb	CUT BANK	rd	ROAD, MINE	sn	SNOW FIELD
ds	EXPOSED SOILS	rw	WORKING	st	RIVER or STREAM
gl	GLACIER				

Note: Water categories (ie. lo, re, rl) not labeled over 90 percent coverage.

rm	RESERVOIR MARGIN
rm	RAILWAY SURFACE
ro	ROCK OUTCROP
u	ROAD SURFACE
tk	TALUS
tz	TAILINGS
ur	URBAN

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

A	ALPINE	NP	NON PRODUCTIVE	SMID	SMID
AT	ALPINE TUNDRA	NPBR	NON PRODUCTIVE BRUSH	TFLT	TIDAL FLAT
AF	ALPINE FOREST	NPBS	NON PRODUCTIVE BRUSH SHRUB	W	WATER
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST Species		
GL	GRAVEL BAR	NPL	NON PRODUCTIVE	NC	NON COMMERCIAL
MS	MINERAL SOIL	NTA	NO TYPING AVAILABLE	NCBR	NON COMMERCIAL BRUSH
OF	OPEN FOREST	OR	OPEN RANGE	NP	NON PRODUCTIVE
RO	ROCKFIELD	R	ROCK	NPR	NOT SUFFICIENTLY RESTRICTED
S	MEADOW	S	SCOCK	NTA	NO TYPING AVAILABLE
WSO	WSO WOLFLAT	SWMP	SWAMP		

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.

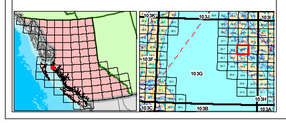
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mkt Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

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 can be used to view the BCGW silviculture 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 BLOCK
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



61-42
61-43
61-58
112
RANGE 4 COAST DISTRICT
Coast Mountains Natural Resource District
103G078
103G079
103G080
103G068
103G069
103G070
103G058
103G059
103G060

Overflow Labels