103H059

Vegetation Map
103H059

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 ecological functions of the Ministry of Forests, Lands, and Natural Resource Operations. The information contained 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 (GYS)
- Research Installations

TRIM - Base Features:
- All 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
- Hydroelectric Area - 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    1 Structure symbol and Opening Number
      2 Polygon Number and multi-layer stand indicator (L)
 2    3 Species Composition
        ex: 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 (0.1-10.4m), crown closure class 5 (6-10%), 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

'OP' - opening number valid for BCGS mapsheet 'POR' - 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

C	CEDAR
Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	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
J	JUNIPER
Jr	Rocky Mtn Juniper
Js	Sitkan Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pwi	Western White Pine
Pxi	PI Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	White Spruce
Sxl	X Hy Sx hybrid
Sxs	Sitka x Spruce
Sxw	Equelmann x White
Sxl	Sitka x White
Sxw	Sitka x Hemlock hybrid
YEW	
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dl	Sitka Alder
Ue	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Act	Black Cottonwood
Ax	Poplar hybrid
Ac	Trembling Aspen
E	ARBUTUS
Em	Pacific Madrone
B	BIRCH
Ea	Alaska Paper Birch
Eal	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
C	CHERRY
Vs	Bitter Cherry
Vv	Choke Cherry
Vu	Pin Cherry
Z	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gg	Garry Oak
Qg	Oregon Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wr	Peach-leaf Willow (Bartley's)
Ww	Pacific Willow (grey-leaved)
Ws	Scouler's Willow
Wi	Sitka Willow (lace-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree not listed)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ue	APPLE
	Apple
Act	BALSAM, COTTONWOOD or POPLAR
Ad	Southern Cottonwood
	BIRCH
Ek	Asian Birch
Ex	Silver Birch (swamp)
Ey	Yellow Birch
	CHERRY
Vs	Sweet Cherry
Y	CYPRESS
Yo	Nootka Cedar
	FIR (Balsam)
Bl	Balsam Fir
Bc	Noble Fir
Bm	Shasta Red Fir
Bp	Grand Fir
	LARCH
Ld	Dahurian Larch
Lk	European Larch
	MAPLE
Me	Box Elder
Mo	Norway Maple
Mk	Sycamore Maple
	OAK
Oh	English Oak
Or	Red Oak
	OTHER EXOTICS
Ox	Incense Cedar
Os	Giant Sequoia
Ot	Monterey Cedar
Ou	European Mountain Ash
Ow	Siberian Elm (southern)
Op	Common Ash
Oq	Oregon Ash
Ow	White Ash
O	Shagbarck Hickory
Oj	Tree of Heaven
Ow	Black Walnut
	PINE
Pm	Monterey Pine
Pn	Austrian Pine
Ps	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 - 10
2	11 - 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 known to the nearest metre referenced at 50 years
SI 30 and above 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 from outside SI fence even present in e.g. young stands (<50yrs). It is denoted by a slash which always precedes it. Assumed Yields in the data base are Inventory Type Group and SI if estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I p or d)

NON-TREED SHRUB
- S SHRUB - shrub with average shrub height > or = to two metres.
- SD DWARF SHRUB - shrub with average shrub height < two metres.

NON-TREED HERBS
- H HERB - herb with no distinction between forbs and graminoids.
- N 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 BRYOID - bryoid with no distinction between mosses and lichens by cover.
- M BRYOID - MOSS - bryoid with mosses, liverwarts, and hornworts > 50% of the bryoid cover.
- L BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I p or d)

A	AIRPORT	gp	GRAVEL PIT	mv	MUD/FLAT SEDIMENT
B	BEACH	l	LAKE	mr	RUBBLE MINE SPOILS
K	BLOCKFIELD	b	LAVA BED	ai	OCEAN
R	BUILDING	m	MINE	ms	SEDIMENTS
X	BURNED AREA	s	POND or LAKE SEDIMENTS	sn	SNOW COVER
H	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
D	DISTURBED SOILS	mo	MORAINE	r	RIVER / STREAM
E	GLACIER		Note: Water categories (w, ou, re, r) not labeled over 90 percent coverage.		

rm	RESERVOIR MARGIN
rw	RAILWAY SURFACE
rs	RIVER SEDIMENTS
u	ROAD SURFACE
t	TALUS
ti	TAILINGS
w	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	SEDIMENTAL FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPT	NON PRODUCTIVE FOREST / Species		
G	GRAVEL BANK	NA	NOT APPLICABLE	NC	NON COMMERCIAL
GR	GRASS / FORB	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NR	NOT REFORESTATION RESTOCKED
MUD	MUD FLAT	S	SWAMP	NYA	NO TYPING 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.

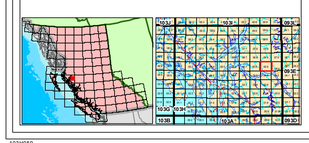
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mine Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Drainage, Undrained
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

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 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



103H068 103H069 103H070

103H058 103H059 103H060

103H048 103H049 103H050

61-110 61-109

TFL41

RANGE 4 COAST DISTRICT

Coast Mountains Natural Resource District

DWYAGUMISH RIVER PARK

KWUMSVER HOTSPRINGS PROTECTED AREA

128°24'0"W 128°23'0"W 128°22'0"W 128°21'0"W 128°20'0"W 128°19'0"W 128°18'0"W 128°17'0"W 128°16'0"W 128°15'0"W 128°14'0"W 128°13'0"W 128°12'0"W

539,000 540,000 541,000 542,000 543,000 544,000 545,000 546,000 547,000 548,000 549,000 550,000 551,000 552,000 553,000

5,534,000 5,533,000 5,532,000 5,531,000 5,530,000 5,529,000 5,528,000 5,527,000 5,526,000

Overflow Labels

103H059