093K056

Vegetation Map
093K056

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 - WSMS // 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
- Structure Opening in Vegetation
- Permanent Sample Plot (SITE)
- Research Installations

TRIM, Base Features :
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Helis
- Other lines
- Powerlines
- 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
- REV_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
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 1 (6-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Description)
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 :

nnnn - opening number valid for BCGS mapsheet zzzzz - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
IL - 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" dated January 2009.

NATIVE CONIFERS

Cw	Western Red Cedar
Y	CYPRESS
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)
Bp	Pacific Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
Hmxw	Mountain Hemlock Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
Le	Alpine Larch
Lw	Western Larch
P	PINE
Pa	Alpine Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plcxp	Lodgepole Lpck Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pwa	Western White Pine
Pxj	Intraspecific Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Prince Rupert
Sw	White Spruce
Sxb	Spruce Hybrid
Sxe	Engelmann x White
Sxl	Sitka x White
Sxs	White x unknown hybrid
Ss	Sitka
Tw	Western Yew

NATIVE HARDWOODS

D	DECIDUOUS
U	Red Alder
V	APPLE
Vp	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Ae	Black Cottonwood
Ax	hybrid Poplars
Ep	Trembling Aspen
E	ARBUTUS
Mp	Arbutus
R	BIRCH
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ew	Alaska (Kenai variety)
Ew	Water Birch
K	CASCARA
Kc	Cascara
Y	CHERRY
Yb	Bitter Cherry
Ym	Mazzard Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Og	Garry Oak
Q	OAK
Wb	Bebb's Willow
Wp	Pacific Willow
Wpb	Pacific Willow (Barclay's)
Ww	Pussy Willow (grey variety)
Wr	Scouler's Willow
Wy	Sitka Willow (Undiff)

UNKNOWNS - OTHER

X	UNKNOWN
Xc	Coniferous conifer
Xh	unknown hardwood
Z	OTHER (tree not on list)
Zm	Mountain
Zh	other hardwood

EXOTICS

Ue	ASH
Ae	ASPEN, COTTONWOOD or POPLAR
Ab	Northern Cottonwood (Balsam)
Ea	European Birch
Ep	European Mountain Ash
Ey	Yellow Birch
Yt	CHERRY
Ytc	Choke Cherry
Yp	"Pond Orford Cedar"
Lk	LARCH
Lk	"Siberian Larch
Lp	LARCH
Lpl	"European Larch
Lk	"Siberian Larch
Mb	MAPLE
Mb	"Norway Maple
Mr	"Sycamore Maple
Qa	OAK
Qe	"English Oak
Qw	"White Oak
Ox	OTHER CONIFERS
Ox	"Incense Cedar
Ob	"Giant Sequoia
Oc	"Coast Redwood
Ow	"European Mountain Ash
Ob	Siberian Elm (southern)
Ou	"Chestnut
Qg	Oregon Ash
Qk	"White Ash
Qm	"Shagbark Hickory
Qn	Tree-of-heaven
Qs	Japanese Walnut
Pi	PINE
Pm	"Monterey Pine
Pr	"Red 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 - 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 based on the age and height of the dominant and co-dominant trees. If the stand is younger than the age and height, estimated SI is shown in brackets, 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 the estimated SI. Estimated SI values are from the Site Type Group and SI Estimated source code.

Line 5 Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I record's)

NON-TREED SHRUB
- s SHRUB - shrub with average 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.
- hf HERB - FORBS - herb with forbs dominant.
- hg HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- bc 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
- ve Exposed Land
- ro Rock / Rubble
- sn Snow / Ice

NON-VEGETATED CATEGORIES (for V and I record's)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUD/FLAT SEDIMENT
b	BEACH	i	ICE	mp	MUNICIPAL / MINE SPOILS
bl	BLOCKFIELD	l	LAVA BED	oc	OCEAN
br	BEDROCK	li	LANDING	ot	OTHER
cb	CLIFF/CRAG/CAVE	ls	LANDSLIDE SEDIMENTS	rv	RIVER / STREAM
cu	CUTBANK	o	OPEN PIT MINE	re	RESERVOIR
es	EXPOSED SOILS	mn	MORAINE	r	RIVER / STREAM
gl	GLACIER				

Note: Water categories (lk, sc, rs, rv) not labelled over 90 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F record's)

AF	ALPINE FOREST	NPBC	NON-PRODUCTIVE BRUSH
AT	ALPINE FOREST Hpocles	NPBR	NON-PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CT	CULTIVATED	NPF	NON PRODUCTIVE FOREST Hpocles
G	GRAVEL BAR	N/A	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
L	LAKE	R	ROCK
M	MEADOW	S	SWAMP
MUD	MUD FLAT		

BAND	BAND		
TIDE	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NSR	NOT SATISFACTORY		
NSR	NOT SUFFICIENTLY 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.

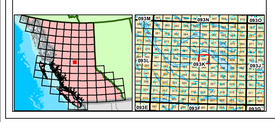
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mde Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either MP 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
SILVICULTURE TREATING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



093K085 093K086 093K087 093K056 093K057 093K045 093K046 093K047

RANGE 5 COAST DISTRICT

Fort St. James Natural Resource District

68-86 89 66-12 66-11 68-63

ST 1990 ST 1989 ST 1988

Overflow Labels

093K056