093F033

Vegetation Map
093F033

Ministry of Forests, Lands and Natural Resource Operations

Scale 1:20,000

0 0.25 0.5 0.75 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRIMS / 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 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 (SYS)
- Research Installations

TRIM. Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydr/Anth/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- DFLNRO Region boundary
- Resource District boundary - FADM
- RIV 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:

CW 272 CwHw 70 SE 5 BLSE 5 CS79

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, Height, Crown Closure Class Code - separated: 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 Site Modifier, Site Series - separated: Site Modifier description
ex: a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

CW - opening number valid for BCGS mapsheet 2XXX - 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
Yc	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	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
Ju	Juniper
L	LARCH
Lt	Tamarack
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodge Pole
Pli	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pla	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	White Pine (soft)
Pwa	White Pine (hard)
Pa	Whitebark Pine
S	SPRUCE
Se	Engelmann Spruce
Sea	Engelmann Spruce
Ss	Sitka Spruce
Sxs	Spruce Hybrid
Sx	Spruce Hybrid
Sxw	Englemann x White
Sxl	Spruce Hybrid
Sxs	Sitka x unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dm	Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Ad	Black Cottonwood
Act	Black Poplar
At	Trembling Aspen
R	ARBUTUS
Rm	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Ep	Alaska x Mountain Birch hybrid
Ew	Paper Birch (white)
Ew	Water Birch
Ep	Paper Birch
Ac	Cascara
V	CHERRY
Vf	Choke Cherry
Vc	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
W	WILLOW
Wc	Corn Oak
W	WILLOW
Wp	Pacific Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bankby's)
Wr	Scouler's Willow (Hooker's)
Ws	Scouler's Willow
Wi	Sitka Willow (late-leaved)
	UNKNOWN - OTHER
X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

	APPLE
Uw	Apple
Ac	BLACK COTTONWOOD or POPLAR
Ad	Southern Cottonwood
	BIRCH
Ek	European Birch
Es	Silver Birch (swamp)
Ey	Yellow Birch
Ey	Birch
Vs	Sweet Cherry
	CYPRESS
Yp	Nootka False Cedar
	FIR (Balsam)
Bb	Balkan Fir
Bc	Corkbark Fir
Bm	Shasta Red Fir
Bc	White Fir
Bl	Fir
Ld	Dahurian Larch
Ls	Siberian Larch
Ll	Larch
Mo	Box Elder
Mr	Norway Maple
Ms	Sycamore Maple
	OAK
Qe	English Oak
Qw	White Oak
	OTHER EXOTICS
Ou	Russian Olive
Qk	Giant Sequoia
Qg	Coast Redwood
Oa	Common Ash/Golden Ash
Oa	Siberian Elm (southern)
Of	Common Pear
Ob	Black Locust
Oa	White Ash
Oj	Shagbarck Hickory
Ot	Black Walnut
Oj	Japanese Walnut
	PINE
Prr	Monterey Pine
Pn	Red Pine
Ps	Sugar Pine
Pp	Pine
Sn	Norway Spruce

Line 4

4a. AGE CLASS

CODE	LIMITS (years)
1	1-20
2	21-40
3	41-80
4	81-100
5	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 - 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	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 trees. Site index is estimated by the forest cover ground age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aren't present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes the estimated SI. Estimated SI's are Inventory 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 TALL - shrub with average shrub height > or = to two metres.
- d SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- h 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
- by BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSSES - bryoid with mosses > 50% of the bryoid cover. > 80% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

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

ap	AIRPORT	gg	GRAVEL PIT
ba	BEACH	lk	LAKE
bl	BOULDERFIELD	mi	MARL BED
br	BEDROCK	rf	LANDING
bu	BURNED AREA	is	POND or LAKE SEDIMENTS
ea	EXPOSED ALPINE	rs	ROCK SLIDE
ei	EXPOSED SOILS	sw	SWAMP
gl	GLACIER		

mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
mi	RUBBLY MINE SPOILS	rr	RAILWAY SURFACE
ri	RIVER	rp	ROAD SURFACE
cl	OTHER	rz	ROAD SURFACE
sn	SNOW COVER	te	TALUS
sl	SLUMPING	to	TAILINGS
rv	RIVER / STREAM	ur	URBAN

Note: Water categories (la, ra, rs, rl) not labelled over 90 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBS	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species
DL	DELTA DEPOSIT	NPL	NON PRODUCTIVE LAND AVAILABLE
GR	GRAVEL PIT	OPN	OPEN RANGE
ICE	ICEFIELD	P	HAYFIELD
L	LAKE	R	RESIDENTIAL
MUD	MUDFLAT	S	SWAMP

SAND	SAND		
SLP	SLUMPING		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NPRE	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.

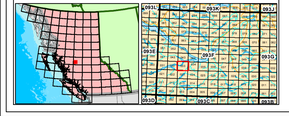
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

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 VRIMS can be accessed to view the 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
SILVICULTURE
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



093F042 093F043 093F044 093F032 093F033 093F034 092F022 093F023 093F024

ENTIAKO PARK

Overflow Labels