092K088

Vegetation Map
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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 / 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 accurately represent up to date Cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend last revisions June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Rockybare 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
- Hydro/Nav/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

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 Silviculture 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 (Douglis Fir) and Hw (Western Hemlock).
4 Age class, Site Index, Crown Closure class, Height class, Stocking class, estimated SI
ex: 4/SI=18, age=61-80 (121-140 yrs), height class 1 (0 - 10.4m), crown closure class 1 (6-15%), 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

OPEN - opening number valid for BCGS mapsheet
DOPN - 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 dataed January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Y	CYPRESS
Yy	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Bl	FIR (Balsam)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Hybrid Amabilis x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sawards Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pc	Shore Pine (coast)
Pw	Western White Pine
Pxj	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Hybrid Spruce
Sxe	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
A	Aspen
Abb	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
E	BIRCH/ALDER
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vf	Fire Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Vm	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bentley's)
Wr	Pussy Willow (gray-leaved)
Ws	Scouler's Willow
Wt	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

U	APPLE
Ua	Domestic Apple
Ax	ASPEN, COTTONWOOD or POPLAR
Axl	*Southern Cottonwood
Ey	BIRCH
Eg	*Gray Birch
Ep	Swiss Birch (swamp)
Ey	*Yellow Birch
C	CHERRY
Yb	*Mazzard Cherry
Y	CYPRESS
Yp	*Port Orford Cedar
Yn	*Nootka Cypress
Fb	FIR
Bp	*Balsam Fir
Bn	Noble Fir
Bm	*Shasta Red Fir
Bc	*White Fir
L	LARCH
Ld	*Dahurian Larch
Lx	*Siberian Larch
M	MAPLE
Mr	*Red Alder
Mk	*Norway Maple
Ms	*Sycamore Maple
O	OAK
Qe	*English Oak
Qw	*White Oak
O	OTHER EXOTICS
Oa	Tree-of-Heaven
Oj	Japanese Walnut
P	PINE
Pm	*Monterey Pine
Pn	*Red Pine
Py	*Sugar Pine
Pp	*Ponderosa
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 leading species. When an accurate SI cannot be obtained from age and height, estimated SI is known affer, or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees arenot present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes 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
- sl SHRUB TALL - shrub with average shrub height > or = to two metres.
- sm SHRUB MED - 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
- bm BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bs 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 CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mz	RUBBLY MINE SPOILS
bf	BUILDINGS	lk	LAKE BED	ob	OTHER
bi	BEDROCK	li	LANDING	or	OTHER
bn	BURNED AREA	lo	POND or LAKE SEDIMENTS	pi	SNOW COVER
cp	CUTBANK	mn	OPEN PIT MINE	re	RESERVOIR
ds	DISTURBED SOILS	mo	MORAINE	ri	RIVER / STREAM
gl	GLACIER				

Note: Water categories (la, re, ri) not labelled over 80 percent coverage.

mm	RESERVOIR MARGIN
rm	RAILWAY SURFACE
rn	ROAD SURFACE
ro	ROAD SURFACE
ta	TALUS
tz	TAILINGS
wi	WASH

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

AF	ALPINE	NP	NON-PRODUCTIVE
AF	ALPINE FOREST-Species	NPBR	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CF	CANOPY	NPF	NON PRODUCTIVE FOREST-Species
G	GRASS, MAN	NTA	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
ICE	ICEFIELD	P	WATFIELD
M	MEADOW	R	ROCK
MUD	MUDFLAT	S	SWAMP

SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NSR	NOT SUFFICIENTLY RESTOCKED		
NTA	NOT 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.

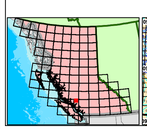
A	Animal Damage	L	Logging
B	Wildfire	N	Non-Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects	R	Site Rehabilitation
S	Stand Tending	T	Treatment Injuries
U	Damage Undetermin.	V	Problem Vegetation

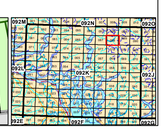
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The Map'view example is of thetned RESULTS data.

The Ministry of Forests, Mines and Lands web application MAP'VIEW 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





124°36'0"W 387,000 | 124°35'0"W 388,000 | 124°34'0"W 389,000 | 124°33'0"W 390,000 | 124°32'0"W 391,000 | 124°31'0"W 392,000 | 124°30'0"W 393,000 | 124°29'0"W 394,000 | 124°28'0"W 395,000 | 124°27'0"W 396,000 | 124°26'0"W 397,000 | 124°25'0"W 398,000 | 124°24'0"W 399,000 | 400,000 | 401,000 | 402,000

50°54'0"N 5,642,000 | 50°53'0"N 5,640,000 | 50°52'0"N 5,638,000 | 50°51'0"N 5,636,000 | 50°50'0"N 5,634,000 | 50°49'0"N 5,632,000 | 50°48'0"N 5,630,000 | 50°47'0"N 5,628,000

092K097 | 092K098 | 092K099 | 092K087 | 092K088 | 092K089 | 092K077 | 092K078 | 092K079

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Sunshine Coast Natural Resource District
RANGE 1 COAST DISTRICT

Overflow Labels