092K028

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
092K028

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 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 (GY3)
- Research Installations

TRIM_Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Helips
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Aw/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RAY - 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:

O2 E31 Fd60 Hw30 Ss10 Se10 Sx10 Cw10 Sx10

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 (Douglas Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator Site Index / estimated SI
ex: stand age class 2 (21-40 years), height class 1 (0.1-10.4m), crown closure class 1 (6-15%), SI 20m
5 Vegetation Type Code (only if non-forest/ non-productive Descriptor)
ex: a land polygon classified as Herb/Graminoids and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

O2 - opening number valid for BCGS mapsheet — 2029 - 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

Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Coastal Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Fdi	Interior 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
Js	Seaside Juniper
Ki	Alpine Larch
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Pli	Lodgepole x Jack Pine hybrid
Pli	Lodgepole x Jack Pine hybrid
Pp	Ponderosa Pine (yellow)
Pp	Ponderosa Pine (yellow)
Ps	Shore Pine (coast)
Psi	Shore Pine (coast) Pine
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Se	Sitka Spruce
Sitch	Sitka Spruce
Sx	Spruce hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Ty	Pacific Yew
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Act	Black Cottonwood
At	Trembling Aspen
At	Trembling Aspen
R	ARBUTUS
Rp	Arbutus
B	BIRCH
Ew	Alaska Paper Birch
Ew	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ep	Paper Birch
K	CASCARA
Kc	Cascara
C	CHERRY
Vs	Bitter Cherry
Vv	Choke Cherry
Up	Pin Cherry
G	DOGWOOD
Gs	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Qg	Garry Oak
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bantley's)
Wr	Red Willow (Drummond's)
Ws	Scouler's Willow
Wf	Sitka Willow (Valdi-leaved)

UNKNOWN - OTHER

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

EXOTICS

Ux	APPLE
Ux	ASPEN, COTTONWOOD or POPLAR
Ax	*Southern Cottonwood
E	BIRCH
Ek	*Asiatican Birch
Ex	Silver Birch (swamp)
Ey	*Yellow Birch
Ey	Yellow Birch
Vs	Sweet Cherry
Y	CYPRESS
Yp	*Port Orford Cedar
Y	YR (Exports)
Bb	*Black Pine
Bp	Noble Fir
Bm	*Shasta Red Fir
Bm	Noble Fir
L	LARCH
Ld	*Dahurian Larch
Lk	*Asiatican Larch
L	MAPLE
Me	Box Elder
Mr	*Norway Maple
Ms	*Sycamore Maple
Q	OAK
Qe	*English Oak
Qw	*White Oak
X	OTHER EXOTICS
Ox	*Incense Cedar
Ob	*Giant Sequoia
Oc	*Coast Redwood
Op	European Mountain Ash
Oe	Siberian Elm (southern)
Of	Common Pear
Oa	*Black Ash
Oa	*White Ash
Oi	*Shagbarck Hickory
Oj	Tree-of-Heaven
Ok	Japanese Walnut
P	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Pa	*Austrian Pine
S	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 Type Group and SI Estimated source code. Inventories are inventory 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 (<30yrs). It is denoted by a slash which always precedes the estimated value. SI and SI estimates 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.
- st 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 gaminoids > 50% of the herb cover.

NON-TREED BRYOID
- bs BRYOIDS - 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 CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
bl	BEACH	lk	LAKE	mp	RUBBLY MINE SPOILS
bf	BOGHFIELD	lb	LAVA BED	oc	OCEAN
br	BEDROCK	li	LANDING	ot	OTHER
ds	DELTA AREA	ls	MINERAL LAKE SEDIMENTS	rc	RESERVOIR COVER
cb	CUTBANK	os	OPEN PIT MINE	re	RESERVOIR
es	EXPOSED SOILS	mm	MORAINE	r	RIVER / STREAM
gl	GLACIER				

Note: Water categories (lk, os, re, r) not labelled over 90 percent coverage.

rm	RESERVOIR MARGIN
rm	RAILWAY SURFACE
rs	RIVER SEDIMENTS
ro	ROAD SURFACE
sl	SLIDE
tz	TAILINGS
ur	URBAN

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

A	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
AT	ALPINE TUNDUT-Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBS	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
I	ICE (GLACIER)	P	PASTURE	NPBR	NON PRODUCTIVE BRUSH
ICE	ICEFIELD	PT	HAYFIELD	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUDFLAT	S	SWAMP	NTA	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.

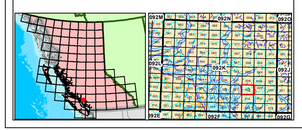
A	Animal Damage	L	Logging
C	Cone and Seed Insects	M	Mite Damage
D	Diseases	N	Non-Biological Injuries
I	Insects	P	Cone and Seedling Fungal Pathogens
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

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



092K037 092K038 092K039 092K027 092K028 092K029 092K017 092K018 092K019

29-12 29-11 29-10 29-15 29-14 32-5 32-4 32-3 27 16 TFL39

RANGE 1 COAST DISTRICT

Sunshine Coast Natural Resource District

NEW WESTMINSTER DISTRICT

Overflow Labels

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