092M034

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
092M034

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
- Silviculture Opening or Vegetation
- Permanent Sample Plot (CFI3)
- Research Installations

TRIM. Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Aerials
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Arc/Barriers - ESRI
- Watercourses - ESRI
- Waterbodies - ESRI
- Wetlands - ESRI
- Ocean - ESRI

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- R/V 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 :
a. Leading species: dominant 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 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

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

Line 2 - Polygon No. / Multi-layer

*MRMS 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
Cy	YELLOW CEDAR
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Fdx	Douglas Fir
Be	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 Mt. Juniper
Ja	Savanna Juniper
L	LARCH
Lt	Tamarack
Lw	Western Larch
Lx	Hybrid
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole x Jack Pine hybrid
Plx	Lodgepole Pine (unspecified)
Pw	White Pine (coast)
Pwi	Western White Pine
Pxw	White Pine hybrid
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce Hybrid
Sxe	Engelmann x White
Sxl	Sitka x White
Sxw	White x unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dl	Sitka Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Ate	Aspen Poplar
Act	Black Cottonwood
Acb	Balsam Poplar
Ax	Trembling Aspen
R	ARBUTUS
Rm	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Ep	Paper Birch (alaska hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Ka	Cascara
V	CHERRY
Vm	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vu	Unknown
Qs	Garry Oak (Sessile)
M	MAPLE
Mb	Broadleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Ww	Bebb's Willow
Wb	Black Willow
Wp	Peachleaf Willow (Bentley's)
Wr	Pussy Willow (grey-leaved)
Wy	Scouler's Willow
Wx	Willow (unspecified 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	ASPEN, COTTONWOOD or POPLAR
Act	Black Cottonwood
Ae	Southern Cottonwood
	BIRCH
Ej	*Japanese Birch
Es	Silver Birch (swamp)
Ey	*Yellow Birch
Ew	Water Birch
	CHERRY
Ye	Sweet Cherry
	CYPRESS
Yn	*Nootka Cypress
	FIR (Balsam)
Bb	*Balkam Fir
Bm	*Fraser Fir
Bn	*Shasta Red Fir
Bv	*White Fir
	LARCH
Lk	*Dahurian Larch
Lp	*Siberian Larch
	PINE
Ma	Box Elder
Mr	*Norway Maple
Mp	*Sycamore Maple
	OAK
Qe	*English Oak
Qn	*Pin Oak
	OTHER DECIDUOUS
Ok	*Incense Cedar
Ol	*Coast Redwood
Oq	*Giant Sequoia
Oa	European Mountain Ash
Ow	Siberian Elm (ouvillons)
Oc	Chestnut
Od	Oregon Ash
Oh	*White Ash
Ot	*Chaffbarck Hickory
Oj	*Japanese Walnut
Ol	*Black Walnut
	PINE
Pn	*Monterey Pine
Pp	*Red Pine
Pa	*Ponderosa Pine
Pr	*Scots Pine
Sn	*Norway Spruce

Line 4

4a: AGE CLASS

CODE	AGE CLASS (years)
0	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	LAYER (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	CLOSURE (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
Average height of 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 shown after, or replaces the SI.

4e: ESTIMATED SITE INDEX
Site Index estimated from ecological ground present, e.g. strong shrews = 25yrs. If a decimal is a short 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)

sp - SHRUB TALL	- shrub with average shrub height > or = to two metres.
sl - SHRUB LOW	- shrub with average shrub height < two metres.

NON-TREED HERB

hw - 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

bc - 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	mv MUDFLAT SEDIMENT	rm RESERVOIR MARGIN
be BEACH	la LAKE	mw PUBBLY MINE SPOILS	ro ROCK OUTCROP
bl BLOCKFIELD	lb LAVA BED	ol OTHER	rs ROCK SEDIMENTS
br BURNED AREA	lk LAKE	oi OTHER	rd ROAD SURFACE
bu BUILT-UP	mp POND or LAKE SEDIMENTS	sc SNOW-COVER	sl SALLIS
cb CUTBANK	mi POND PIT MINE	sn SNOW	tz TALUS
cl CUTBANK SOILS	ms MORAINE	r RIVER / STREAM	ur URBAN
gl GLACIER		Note: Water categories (la, ra, or r) not identified over 50 percent coverage.	

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

A ALPINE		NP NON PRODUCTIVE	SAND SAND
AF ALPINE FOREST (Species	NPBR NON PRODUCTIVE BRUSH		TIDE TIDAL FLAT
BR BRUSH/HERB	NPBRT NON PRODUCTIVE BRUSH TREES		U URBAN
C CLAY BANK	NPF NON PRODUCTIVE FOREST (Species		
G GRAVEL BAR	NTA NO TYPING AVAILABLE		NC NON COMMERCIAL
I ICE/SNOW	R ROCKS		NCBR NON COMMERCIAL BRUSH
KHE KEIFELD	P HAYFIELD		NP NON PRODUCTIVE
M MEADOW	K ROCK		NSR NOT SUFFICIENTLY RESTOCKED
RIVD RIVERBANK	S SWAMP		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.

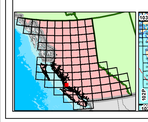
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Core and Seedling Fungal Pathogens
E	Insects		
		B	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

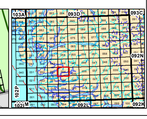
Example Opening History Details

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





53-24
53-26
53-28
53-25
53-5
53-18
53-4
53-13
53-14
53-15
53-3
53-7
98
80 0
90 0
100 0
110 0
120 0
092M043
092M044
092M045
092M034
092M033
092M035
092M024
092M023
092M025
RANGE 2 COAST DISTRICT
North Island - Central Coast Natural Resource District

611,000 612,000 613,000 614,000 615,000 616,000 617,000 618,000 619,000 620,000 621,000 622,000 623,000 624,000 625,000 626,000
127°24'0"W 127°23'0"W 127°22'0"W 127°21'0"W 127°20'0"W 127°19'0"W 127°18'0"W 127°17'0"W 127°16'0"W 127°15'0"W 127°14'0"W 127°13'0"W 127°12'0"W
5,651,000 5,650,000 5,649,000 5,648,000 5,647,000 5,646,000 5,645,000 5,644,000 5,643,000

Overflow Labels