093L034

Vegetation Map
093L034

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 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 7, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Structure Opening in Vegetation
- Permanent Sample Plot (CFS)
- Research Installations

TRIM. Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fields
- 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
- 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 Opening Number and Opening Number.
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
ex: the most important layer is described as Fd (Dougls 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 (0.5-10.4m), crown closure class 1 (6-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
6 Non-Vegetated Descriptor - rock outcrop and gramminoids, shrubs less that 2m.
7 Disturbance History & year - ex. Logged in 1918

Line 1 - History Record Opening Number

OGP - opening number valid for BCGS mapsheet DOP - 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
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)
Bi	Balsam
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwk	Western Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Jsc	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Albi Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Pxj	Lodgepole x Jack Pine hybrid
Pxs	Lodgepole x Sitka hybrid
Pyc	Ponderosa Pine
Pw	Western White Pine
Pwb	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxe	Sitka x White
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
E	APPLE
Up	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Ev	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
U	BIRCH
Ya	Alaska Paper Birch
Yap	Alaska x Paper Birch hybrid
Ye	Alaska (Native)
Ew	Water Birch
K	CASCARA
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vm	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Booth's)
Wr	Pussy Willow (gray-leaved)
Wy	Sitka Willow
Wil	Willow (unidentified)

UNKNOWN - OTHER

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

EXOTICS

	APPLE
Ua	Apple
	ASPEN, COTTONWOOD or POPLAR
Ad	Northern Cottonwood
	BIRCH
Za	European Birch
Zc	Common (Paper)
Zp	Yellow Birch
	CHERRY
Ys	Mazzard Cherry
	CYPRESS
Yp	*Port Orford Cedar
	FIR (Balsam)
Bn	*Nobles Fir
Bp	Noble Fir
Bm	Momi Fir
Bh	*White Fir
	LARCH
Ld	*European Larch
Ldk	*Dahurian Larch
	MAPLE
Me	Box Elder
Mr	*Norway Maple
Ms	Sycamore Maple
	OAK
Qe	*English Oak
Qr	*Red Oak
	OTHER EXOTICS
Oa	*Incense Cedar
Ob	*Monterey Cedar
Oc	*Coast Redwood
Od	European Mountain Ash
Oh	Japanese Mountain Ash
Of	Common Pear
Og	Oregon Ash
Oh	*White Ash
Oi	*Smaltleaf Ash
Oj	Tree of Heaven
Ok	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pn	*Red Pine
Py	*Sugar Pine
Ps	Scots Pine
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	0.5 - 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 as 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. Site curves are based on tree 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 follows the SI. Estimated SI values 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
- st SHRUB TALL - shrub with average shrub height > or = to two metres.
- sl 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
- by BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses > 50% of the bryoid cover. < 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED CATEGORIES (for V and I records)

ab	AIRPORT	gp	GRAVEL PIT
be	BEACH	lk	LAKE
bl	BOULDERFIELD	ls	LAKE BED
br	BEDROCK	li	LANDING
bu	BURNED AREA	w	POND or LAKE SEDIMENTS
ex	EXPOSED SOILS	rs	RIVER SAND
ex	EXPOSED SOILS	wa	WOUNDS
gl	GLACIER		

mu	MUCK/FLAT SEDIMENT	mr	RESERVOIR MARGIN
mr	RUBBLY MINE SPOILS	rm	RAILWAY SURFACE
ro	ROCK	rr	ROCK OUTCROP
ot	OTHER	rd	ROAD SURFACE
sn	SNOW COVER	ta	TALUS
ri	RIVER BED	tz	TIDAL ZONE
ir	RIVER / STREAM	ur	URBAN

Note: Water categories (ls, ac, w, ri) not labelled over 50 percent coverage.

NON VEGETATED
- ei Exposed Land
- ri Rock / Rubble
- si Snow / Ice

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
CL	CLAY BANK	NPBC	NON PRODUCTIVE BRUSH (Species
CP	CLAY PAN	NPF	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
M	MEADOW	R	ROCK BLUFF
MD	MUD FLAT	RO	ROCK
		S	SWAMP

	SAND	SAND	
	TIDE	TIDAL FLAT	
U	URBAN		
	NCL	NON COMMERCIAL	
	NCBR	NON COMMERCIAL BRUSH	
	NFL	NOT FOREST LAND	
	NSR	NOT SUFFICIENTLY RESTOCKED	
	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.

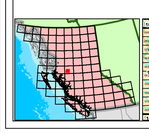
A	Animal Damage	L	Logging
B	Wildfire	M	Misc Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

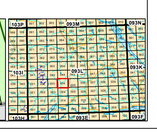
Example Opening History Details

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 value for -

OPENING
OPENING LABELS
OPENING / PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FORREST COVER
WILDLIFE TREE PATCH





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093L044
093L043
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093L033
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093L024
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093L025
67-19
67-21
67-23
67-22
62

Nadina Natural Resource District
RANGE 5 COAST DISTRICT

127°24'0"W 604,000 127°23'0"W 605,000 127°22'0"W 606,000 127°21'0"W 607,000 127°20'0"W 608,000 127°19'0"W 609,000 127°18'0"W 610,000 127°17'0"W 611,000 127°16'0"W 612,000 127°15'0"W 613,000 127°14'0"W 614,000 127°13'0"W 615,000 127°12'0"W 616,000 127°11'0"W 617,000

54°14'30"N 6,230,000 54°15'0"N 6,231,000 54°15'30"N 6,232,000 54°16'0"N 6,233,000 54°16'30"N 6,234,000 54°17'0"N 6,235,000 54°17'30"N 6,236,000 54°18'0"N 6,237,000 54°18'30"N 6,238,000

Overflow Labels

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