094J044

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
094J044

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 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
- Sructure Opening in Vegetation
- Permanent Sample Plot (GYS)
- 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
- RV 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 (Dougla 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 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

OP - opening number valid for BCGS mapsheet. ZOP - 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	YEW
Yc	*Cmmon Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdi	Interior Douglas Fir
Fdc	Interior Douglas Fir
B	FIR (balsams)
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
Jsc	Common Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodge Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Shore Pine (coast)
Pxj	Ponderosa x Jack Pine
Px	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	TAMARACK
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
At	Trembling Aspen
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Act2	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
R	ARBUTUS
Ra	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Ep	Alaska x Paper Birch hybrid
Ew	Water Birch
K	CASCARA
Kc	Cascara
V	DOGWOOD
Vb	Bitter Cherry
Vv	Choke Cherry
Vp	Pin Cherry
Vs	Sweet Cherry
Vu	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broadleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wa	Pacific Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bandaly's)
Wr	Scouler's Willow (Mackenzie's)
Wv	Scouler's Willow
Wf	Sitka Willow (fine-leaved)

UNKNOWN - OTHER

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

EXOTICS

Ua	APPLE Apple
Act	ASPEN, COTTONWOOD or POPLAR Balsam Poplar
Ail	BIRCH European Birch
Ea	Alaska Paper Birch
Ep	Alaska x Paper Birch
Ey	*Yellow Birch
Ba	CHERRY Nobile Fir
Vs	Sweet Cherry
Yp	CYPRESS *Port Orford Cedar
Bb	FIR (balsam) *Balsam Fir
Bg	Grand Fir
Bm	*White Fir
Lk	LARCH *Dahurian Larch
Lt	*Siberian Larch
Mr	OAK Red Oak
Mh	*Norway Maple
Mb	Broadleaf Maple
Qa	OAK
Qe	*English Oak
Qw	*White Oak
Ok	OTHER EXOTICS *Incense Cedar
Ob	*Giant Sequoia
Ot	*Coast Redwood
Oa	*Japanese Flowering Ash
Oe	Siberian Elm (saucburn)
Of	Common Pear
Oc	*Sycamore
Ow	*White Ash
Ol	*Shagbarck Hickory
Oj	Tree-of-heaven
Ok	Japanese Walnut
Pm	PINE *Monterey Pine
Pr	*Red Pine
Pa	*Austrian Pine
Y	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 dominant and co-dominant trees. Where no database site index, age and height, estimated SI is known after, or replaces the SI.

4e ESTIMATED SITE INDEX
SI is estimated when suitable SI trees aremnt present, e.g. young stands (<30yrs). It is denoted by a slash which always follows the SI site class designation. The database are inventory Type Group and SI Estimated source codes.

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
- 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 garminoids > 50% of the herb cover.

NON-TREED BRYOID
- bm BRYOID - MOSS - bryoid with no distinction between mosses and lichens by cover.
- bm 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
bl	BEACH	ic	ICE	mv	MUDFLAT MINE SPOILS
bl	BLOCKFIELD	la	LAVA BED	oc	OCEAN
bl	BISCROCK	t	LANDING	ot	OTHER
bu	BURNED AREA	s	POND or LAKE SEDIMENTS	sn	SNOW COVER
cl	CUTBANK	ms	OPEN PIT MINE	rr	RESERVOIR
dl	DENUDATE SOILS	mn	MORAINE	rs	RIVER or STREAM
gl	GLACIER				

rm	RESERVOIR MARGIN	ea	Exposed Land
rm	RIVER SEDIMENTS	ro	Rock / Rubble
ro	ROAD SURFACE	sn	Snow / Ice
ta	TALUS		
ta	TALUNOS		
u	URBAN		

Note: Water categories (la, rs, rv, rl) not labelled unless over 50 percent coverage.

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

A	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
G	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species		
CB	GRAVEL BAR	O	OPEN (UNCLASSIFIABLE)	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
L	LAKE/WATER	R	ROCK	NSR	NOT SATISFACTORY RESTOCKED
MUD	MUDFLAT	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	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

Exampla 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

094J044 094J054 094J055 094J043 094J045 094J033 094J034 094J035

79-111 79-112 79-110 79-114 79-113 79-119 122 136

123°24'0"W 123°23'0"W 123°22'0"W 123°21'0"W 123°20'0"W 123°19'0"W 123°18'0"W 123°17'0"W 123°16'0"W 123°15'0"W 123°14'0"W 123°13'0"W 123°12'0"W 123°11'0"W

476,000 477,000 478,000 479,000 480,000 481,000 482,000 483,000 484,000 485,000 486,000 487,000 488,000 489,000

58°30'00"N 58°27'30"N 58°25'00"N 58°22'30"N 58°20'00"N 58°17'30"N

6,484,000 6,481,500 6,479,000 6,476,500

Overflow Labels