093J059

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 in this map is compiled from TRIM and is to state 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 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
- Airf/Ferries
- 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 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, Height, Crown Closure Class Code - separator: Site Index / estimated SI
ex: stand is age class 2 (21-40 yrs), height class 1 (0-12.4m), crown closure class 1 (6-15%), SI 20m
5 Non-Forest Descriptor - separator: Non-Vegetative 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
xxxx - opening number valid for BCGS mapsheet
zzzz - 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	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Ba	Balsam
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwm	Mountain x Western Hemlock hybrid
J	JUNIPER
Cb	Creeping Juniper
J	Seaside Juniper
L	LARCH
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Limber Pine
Plc	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Pxj	Lodgepole x Jack Pine hybrid
Pm	Mountain Hemlock (alpine)
Pmo	Shore Pine (coastal)
Pw	Western White Pine
Pxw	Hybrid White Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sxe	Spruce hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dl	Sitka Alder
Ac	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Ad	Black Cottonwood
Ax	Hybrid Poplar
At	Trembling Aspen
R	ARBUTUS
Rm	Arbutus
B	BIRCH
Bp	Alaska Paper Birch
Bpx	Alaska Paper Birch Hybrid
Ep	Paper Birch (white)
Bw	Water Birch
Be	Swamp Birch
Ko	Cascara
V	CHERRY
Vm	Black Cherry
Vo	Choke Cherry
Vp	Pin Cherry
Vu	Bitter Cherry
Gs	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broadleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wx	Prairie/Red Willow (Bebb's/x)
Ww	Pussy Willow (gray-leaved)
Wy	Scouler's Willow
Ws	Sitka Willow (thick-leaved)

UNKNOWN - OTHER

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

EXOTICS

	APPLE
Ux	ASPEN, COTTONWOOD or POPLAR
Ae	*Southern Cottonwood
	BIRCH
Ej	*European Birch
Ev	Silver Birch (swamp)
Ey	*Yellow Birch
Ew	*White Birch
Lx	*Dahurian Larch
Lk	*Siberian Larch
Lj	*Japanese Larch
Hx	Box Elder
Mn	*Norway Maple
Mr	*Red Maple
Ox	OAK
Ge	*English Oak
Gr	*Red Oak
	OTHER EXOTICS
Ow	*Incense Cedar
Ob	*Atlantic Cedar
Oc	*Coast Redwood
Oe	European Mountain Ash
Oj	*Japanese Mountain Ash
Of	Common Pear
Og	Oregon Ash
Oh	*White Ash
Ot	*Black Locust (Honey
Oj	Tree-of-heaven
Ok	Japanese Walnut
Ow	Walnut
Pm	*Monterey Pine
Pr	*Red Pine
Ps	*Scots Pine
Pp	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 - 9.4
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)
1	0 - 5
2	6 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
0	86 - 100

4d SITE INDEX
All SI are shown by the nearest metre referenced at 50 years breast height Age. SI is based on the age and height of the dominant layer. Site index curves are based on empirical data 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 precedes the estimated number. Codes are inventory Type Group and SI Estimated source code.

Line 5 Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I records)

NON-TREED SHRUBS
- s SHRUB TALL - shrub with average shrub height > or = to two metres.
- h SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERBS
- he HERB - herb with no distinction between forbs and graminoids.
- H HERB - FORBS - herb with forbs > 50% of the herb cover.
- G HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED MOSS
- by BRYOZOA - 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)

ac	ARGILLIC	gc	GRAVEL PIT
ar	BEDROCK	gl	GLACIAL ICE
bl	BLOCKFIELD	la	LAVA BED
bo	BOULDERS	ls	LANDING
bs	BORROW AREA	ms	MARINE SHORE SEDIMENTS
cb	CUTBANK	o	OPEN WATER
di	EXPOSED SOILS	sc	SCRUBBED
fl	FLOOD		Note: Water categories (ta, ow, ri, rs) not labelled over 90 percent coverage.
mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
rc	RUBBLY MINE SPOILS	rn	RAILWAY SURFACE
oc	OCEAN	rs	RIVER SEGMENTS
ow	OPEN WATER	ru	URBAN SURFACE
sn	SNOW COVER	ta	TALUS
r	RESERVOIR	tl	TAILINGS
ri	RIVER / STREAM	ur	URBAN

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
BM	BOREAL FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	SL	SALT FLAT
CL	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species		
DU	DUNE (SAND)	NPR	NON PRODUCTIVE ROCK	NC	NON COMMERCIAL
GR	GRAVEL PIT	O	OPEN	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
L	LAKE	R	ROCK	NSR	NON PRODUCTIVE - RESTOCKED
MUD	MUDFLAT	S	SWAMP	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code proceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

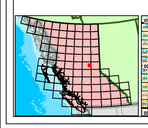
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Disease	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

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 ABEGS
SILVICULTURE - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



	093N		093O		093P
093I	093	094	095	096	097
092P	092	093	094	095	096
092I	091	092	093	094	095
092H	090	091	092	093	094
092G	089	090	091	092	093
092B	088	089	090	091	092
092A	087	088	089	090	091
093A	086	087	088	089	090
093H	085	086	087	088	089
093G	084	085	086	087	088
093B	083	084	085	086	087
093C	082	083	084	085	086
093F	081	082	083	084	085
093K	080	081	082	083	084
093J	079	080	081	082	083
093P	078	079	080	081	082

Overflow Labels

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