082J093

Vegetation Map
082J093

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRMS / Ownership
Base Map Source: TRIM / Terrain5

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to support the operational 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 in Vegetation
- Permanent Sample Plot (CPS)
- Research Installations

TRIM_Base Features:
- 4x 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
- Hydrkeutrilarries - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

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 Treatment and Opening Number
2. Polygon Number and multi-layer stand indicator (L)
3. Species Composition
e.x. 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
e.x. 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)
e.x. a Non-polygon is a transition between forbs and graminoids, shrubs less than 2m.
6. Disturbance Code - e.x. Logged in 1978

Line 1 - History Record Opening Number

OOP - opening number valid for BCGS mapsheet *XXW* - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

- VRMS Polygon Number - ranging from one to nine digits
- A, - 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)
Bp	Pacific Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Hemlock x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sawtooth Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plcx	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	White Pine
Pwc	Western White Pine
Pxw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	Spruce Hybrid
Sxe	Engelmann x White
Sxw	Sitka x White
Sxx	Other unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

A	ALDER
Dr	Red Alder
Ud	Undifferentiated
E	ARBUTUS, Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
Ad	Black Cottonwood
Ae	Hybrid Poplars
Ax	Trembling Aspen
K	KINNIKINNICK
Rp	Arbutus
Ep	ASH
Eat	Alaska Paper Birch
Eyt	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ey	Yellow Birch
K	CASCARA
Ko	Cascara
V	CHERRY
Vm	Choke Cherry
Vv	Choke Cherry
Vp	Pin Cherry
Vu	Undifferentiated
Vur	Pacific (Dogwood (western flowering)
Dg	Garry Oak
Dw	White Oak
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Or	Red Oak
Ow	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wr	Peach-leaf Willow
Ws	Scouler's Willow
Wt	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

Ja	APPLE Apple
At	ASPEN, COTTONWOOD or POPLAR Northern Cottonwood
Ew	BIRCH European Birch
Ea	Japanese Cherry
Ep	Tree of Heaven
Ey	Yellow Birch
Yb	CHERRY Mazzard Cherry
Yo	CYPRESS Port Orford Cedar
Bb	FIR (Balsam) Balsam Fir
Bn	Noble Fir
Bm	Shasta Red Fir
Bc	Corkbark Fir
Ld	LARCH Dahurian Larch
Lk	Siberian Larch
Lx	Hybrid
Me	Box Elder
Mr	Norway Maple
Ms	Sycamore Maple
Ow	OAK English Oak
Or	White Oak
Pa	PINE, EXOTICS
Ca	Austrian Pine
Ob	Japanese Black Pine
Pn	Monterey Pine
Pp	Ponderosa Pine
Pa	Scots Pine
Pm	Swiss Stone Pine
Ps	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

Site Index is the expected mature reference 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

Estimated Site Index is the site index for the primary almost present, e.g. young stands (<30yrs). It is denoted by a slash 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 (1st V and 1 (1st or 2nd))

NON-TREED SHRUB
- s SHRUB - shrub with average shrub height > or = to two metres.
- w 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 > 80% of the herb cover.
- hg HERB - GRAMINOIDS - herb with graminoids > 80% of the herb cover.

NON-TREED BRYOID
- by BRYOID - 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
- d Exposed Land
- rs Rock / Rubble
- w Snow / Ice

NON-VEGETATED CATEGORIES (1st V and 2 (2nd))

bl	BEACH	gl	GRAVEL BAR
br	BRUSH	ic	ICE
bl	BLOCKFIELD	lk	LAKA BED
cl	CLIFF	ls	LAKE SHORE
bu	BURNED AREA	lo	POND or LAKE SEDIMENTS
cb	CUTBANK	mi	OPEN PIT MINE
es	EXPOSED SOLID	mo	MORAINE
rs	ROCK / RUBBLE	mu	MUDFLAT SEDIMENT
		ou	RUBBLY MINE SPOILS
		oc	OCEAN
		pd	PONDING
		sn	SNOW COVER
		re	RESERVOIR
		r	RIVER / STREAM
		rm	RESERVOIR MARGIN
		rs	RAILWAY SURFACE
		rv	RIVER SEDIMENTS
		ro	ROAD SURFACE
		tl	TILLS
		ti	TAILINGS
		u	URBAN

Note: Water categories (ie. ou, re, r) not detailed over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for 2 records)

A	ALPINE	NP	NON PRODUCTIVE
B	BURNED FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species
G	GRASS / HERB	NPL	NON PRODUCTIVE LOW
GR	GRAVEL PIT	OA	OPEN AREAS
ICE	ICEFIELD	P	HAYFIELD
L	LOW BUSH	R	ROCK
MUD	MUDFLAT	S	SWAMP
		SAND	SAND
		SF	SNOW FLAT
		U	URBAN
		NC	NON COMMERCIAL
		NCBR	NON COMMERCIAL BRUSH
		NP	NON PRODUCTIVE
		NSR	NOT SATISFACTORILY RESTOCKED
		NYA	NOT YYPING AVAILABLE

Line 6 - Disturbance History

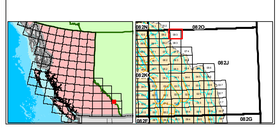
Disturbance type code preceded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

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

Exemple Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The Mapview example is of themed RESULTS data.

This 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
- SILVICULTURE
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH



082J093

082J093