093O012

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093O012

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 displayed on this map is not to be used for determining 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 /// Vegetation
- Permanent Sample Plot (2013)
- Research Installations

TRIM, Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Lines
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Aerfbarriers - 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 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 (0.1-10.4m), 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

093O - opening number valid for BCGS mapsheet
.0008 - 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 FIR (SPECIES)
- Fd Douglas Fir
- Fdc Coastal Douglas Fir
- Fdi Interior Douglas Fir
- Fl Fir (Undetermined)
- Ba Amabilis Fir
- Bg Grand Fir
- B Balsam/Fir Fir (spp=a)
- Bl Subalpine Fir
- Hm Mountain Hemlock
- Hw Western Hemlock
- H Hemlock (Western Hemlock hybrid)
- J JUNIPER
- Jr Rocky Mtn. Juniper
- Js Scopulorum Juniper
- L LARCH
- La Subalpine Larch
- Lw Western Larch
- P PINE
- Pa Alpine Pine
- Pl Lodgepole Pine
- Plc Lodgepole Pine (coastal)
- Pli Lodgepole Pine (interior)
- Plj Lodgepole x Jack Pine hybrid
- Pli Lodgepole Pine (interior)
- Pm Mono Pine (Lowell)
- Pw Western White Pine
- Py Ponderosa Pine
- S SPRUCE
- Sb Black Spruce
- Se Engelmann Spruce
- Ss Sitka Spruce
- Sw White Spruce
- Sx Hybrid Spruce
- Sxe Engelmann x White
- Sxl Sitka x White
- Sxs Sitka x unknown hybrid
- W WESTERN
- Tw Western Yew

NATIVE HARDWOODS
- D ALDER
- Dr RED ALDER
- A APPLE
- At Pacific Crab Apple
- Ac ASPEN, COTTONWOOD or POPLAR
- Act Trembling Aspen
- Ae Aspen
- Ap Balsam Poplar
- Ast Black Cottonwood
- Ax hybrid Poplars
- Ae Trembling Aspen
- E ARBUTUS
- Ea Arbutus
- Ep Paper
- Ew Alaska Paper Birch
- Ewk Alaska x Paper Birch hybrid
- Ep Paper Birch (white)
- Ew Water Birch
- K CASCARA
- Kc CASCARA
- H CHERRY
- Hs Sitka Cherry
- Hm Mazzard Cherry
- Hp Pin Cherry
- G DOGWOOD
- Gp 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
- Wr Peachleaf Willow (Bentley's)
- Ww Pussy Willow (gray-leaved)
- Wy Scouler Willow
- Ws Sitka Willow (low-leaved)

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

EXOTICS
- AP APPLE
- Ac ASPEN, COTTONWOOD or POPLAR
- Ast Southern Cottonwood
- BI BIRCH
- Be European Birch
- Bp Paper Birch (Exotic)
- Ey Yellow Birch
- CH CHERRY
- Cm Mazzard Cherry
- CYPRESS
- Ylo Ylhot Orford Cedar
- Ylw Ylwhite Cedar
- Bn Blaukeen Fir
- Bg Noble Fir
- Bp Pacific Red Fir
- Bn Nihlas Fir
- LARCH
- Lk Siberian Larch
- Ls Siberian Larch
- MA MAPLE
- Mn Norway Maple
- Mp Sycamore Maple
- OA OAK
- Or English Oak
- Ow White Oak
- OTHER EXOTICS
- Oe Incense Cedar
- Ol Golden Larch
- Oh Cutleaf Redwood
- Ow European Mountain Ash
- Ot Tree of Heaven
- Of Common Pear
- Og Oregon Ash
- Ob Basswood
- Ok Chinkapick hickory
- Oj Tree-of-heaven
- Oa Japanese Walnut
- PI PINE
- Pm Monterey Pine
- Pp Pitch Pine
- Pr Red Pine
- 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
SI is the average height of the nearest metre referenced at 50 years
for all tree species. 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 used when a species cannot present, e.g.
young stands (<30yrs). It is determined by a stem 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)

NON-TREE SHRUBS
- s SHRUB - shrub with average shrub height > or = to two metres.
- v 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 graminoids > 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, liverworts, and hornworts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- sr Exposed Land
- rs Rock / Rubble
- w Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ar	ALPINE RIDGE	mf	MUDFLAT SEGMENT
be	BEACH	mr	RUBBLY MINE SPOILS
bl	BLOCKFIELD	mo	OCEAN
bo	BOULDERS	ri	RIVER
br	BURNED AREA	s	SNOW COVER
cb	CUTBANK	re	RESERVOIR
ds	DEPOSITIONAL SOILS	sm	MORAINE
gl	GLACIER		

la	LAKE	rm	RESERVOIR MARGIN
lb	LAVA BED	rn	RAILWAY SURFACE
lk	LAKE	rs	RIVER SEGMENTS
lo	POND or LAKE SEGMENTS	rz	RIPARIAN
os	OPEN PIT MINE	tz	TALUS
		ta	TAILINGS
		ur	URBAN

Note: Water categories <= 50 ha in size identified even if 0% percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
B	BARREN	NPF	NON PRODUCTIVE FOREST
CL	CLAY BANK	NPT	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
H	HERB (Forbs)	P	PRODUCTIVE
ICE	ICEFIELD	PY	HAYFIELD
M	MEADOW	R	ROCK
MUD	MUDFLAT	S	SWAMP

SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NPBR	NON PRODUCTIVE BRUSH		
NP	NON PRODUCTIVE		
NSR	NOT SUFFICIENTLY RESTOCKED		
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	Mole Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
		S	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

Example Opening History Details

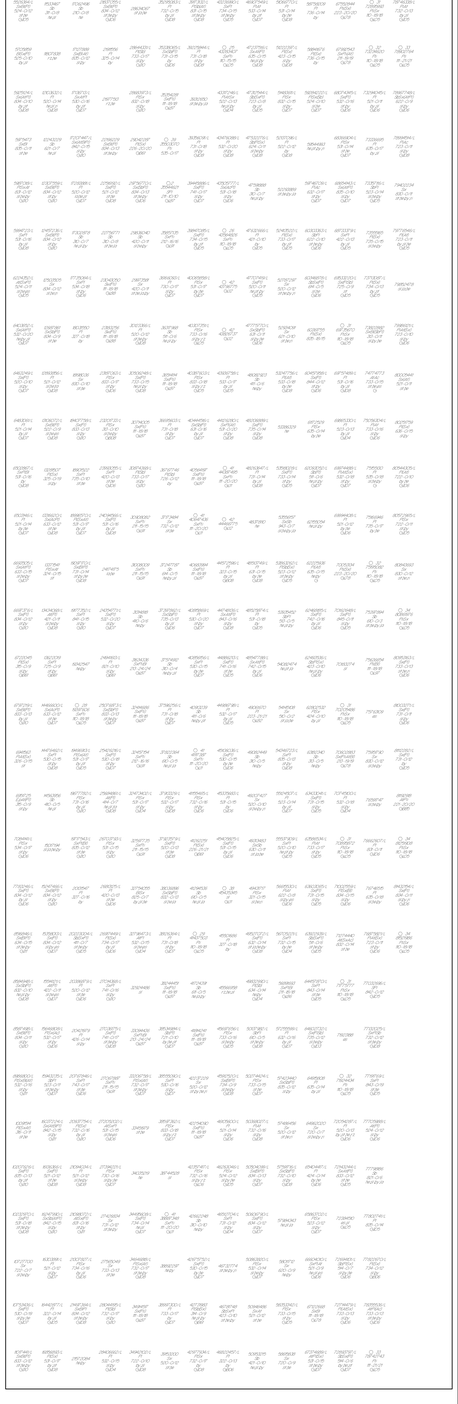
Detailed Silviculture information is available on the BCGW
as VEG_SILV_OPENING_SVW. The MapView example is
of thinned RESULTS data.

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
OPENING - TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH

093J/W	093J/X	093J/Y	093J/Z	093K/W	093K/X	093K/Y	093K/Z	093L/W	093L/X	093L/Y	093L/Z
093J/R	093J/S	093J/T	093J/U	093K/R	093K/S	093K/T	093K/U	093L/R	093L/S	093L/T	093L/U
093J/P	093J/Q	093J/O	093J/P	093K/P	093K/Q	093K/O	093K/P	093L/P	093L/Q	093L/O	093L/P
093J/I	093J/J	093J/K	093J/L	093K/I	093K/J	093K/K	093K/L	093L/I	093L/J	093L/K	093L/L
093J/H	093J/G	093J/F	093J/E	093K/H	093K/G	093K/F	093K/E	093L/H	093L/G	093L/F	093L/E
093J/A	093J/B	093J/C	093J/D	093K/A	093K/B	093K/C	093K/D	093L/A	093L/B	093L/C	093L/D
093I/W	093I/X	093I/Y	093I/Z	093J/W	093J/X	093J/Y	093J/Z	093K/W	093K/X	093K/Y	093K/Z
093I/R	093I/S	093I/T	093I/U	093J/R	093J/S	093J/T	093J/U	093K/R	093K/S	093K/T	093K/U
093I/P	093I/Q	093I/O	093I/P	093J/P	093J/Q	093J/O	093J/P	093K/P	093K/Q	093K/O	093K/P
093I/I	093I/J	093I/K	093I/L	093J/I	093J/J	093J/K	093J/L	093K/I	093K/J	093K/K	093K/L
093I/H	093I/G	093I/F	093I/E	093J/H	093J/G	093J/F	093J/E	093K/H	093K/G	093K/F	093K/E
093I/A	093I/B	093I/C	093I/D	093J/A	093J/B	093J/C	093J/D	093K/A	093K/B	093K/C	093K/D

Overflow Labels



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