093G008

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 on this map is derived from various sources. 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
- Soructure Opening or Vegetation
- Permanent Sample Plot (CFS)
- Research Installations

TRIM, Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/arries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Ice/Barriers - 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 Inventory 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 (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 Description)
ex: D - Dense (continuous cover of trees, shrubs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opeing Number

093G - opening number valid for BCGS mapsheet
093R - 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
- C CEDAR
- Yc Yellow Cedar
- Y CYPRESS
- Yc Yellow Cedar
- Cw Western Red Cedar
- Fd Douglas Fir
- Fdc Coastal Douglas Fir
- Fdi Interior Douglas Fir
- B FIR (Balsam)
- Ba Amabilis Fir
- Bl Subalpine Fir
- Bl Subalpine Fir (alpine)
- H HEMLOCK
- Hw Western Hemlock
- Hw Western Hemlock
- Hxm Mountain x Western Hemlock hybrid
- J JUNIPER
- Jr Rocky Mtn Juniper
- Js Seaside Juniper
- L LARCH
- La Alpine Larch
- Lt Tamarack
- Lw Western Larch
- P PINE
- Pj Jack Pine
- Pl Lodgepole Pine
- Pli Lodgepole Pine
- Plc Lodgepole Pine (coastal)
- Plc Lodgepole Pine (interior)
- Pxj Lodgepole Pine x Jack Pine Hybrid
- Pw Whitebark Pine
- S SPRUCE
- Se Englemann Spruce
- Sei Englemann Spruce
- Ss Sitka Spruce
- Sx Spruce Hybrid
- Sxw Spruce hybrid
- Sxw Engelmann x White
- Sw White Spruce
- Sxs Sitka x unknown hybrid
- T YEW
- Tw Western Yew

NATIVE HARDWOODS
- D ALDER
- Dr Red Alder
- Y APPLE
- Up Pacific Crab Apple
- At ASPEN / COTTONWOOD or POPLAR
- Ax Poplar
- Ab Balsam Poplar
- Act Black Cottonwood
- Ax Hybrid Poplars
- At Trembling Aspen
- E BIRCH
- Ep Alaska x Paper Birch
- Epa Alaska x Paper Birch hybrid
- Ep Paper Birch (white)
- K CASCARA
- Kc CASCARA
- Kc Cascara
- Kp Pacific
- Ue Bitter Cherry
- Uv Choke Cherry
- Um Pin Cherry
- O DOGWOOD
- Dp Pacific Dogwood (western flowering)
- M MAPLE
- Mb Bigleaf Maple (broadleaf)
- Mv Vine Maple
- Qg Garry Oak
- W WILLOW
- Wb Black Willow
- Wp Pacific Willow
- Ww Peachleaf Willow (Bantaly's)
- Wr Scouler's Willow (Mackenzie's)
- Wr Scouler's Willow
- Wr Sitka Willow (tea-leaved)
- X UNKNOWN
- Xc UNKNOWN
- Xh unknown hardwood
- Xm unknown softwood
- Z OTHER (see not on list)
- Zd other hardwood
- Zh other hardwood

EXOTICS
- Y APPLE
- Ya APPLE
- At ASPEN, COTTONWOOD or POPLAR
- Ad Southern Cottonwood
- E BIRCH
- Ea European Birch
- Ey Silver Birch (swamp)
- Ew Silver Birch
- C CHERRY
- Cy Sweet Cherry
- Cp Pin Cherry
- Yc *Port Orford Cedar
- Fb FIR (Balsam)
- Bn *Noble Fir
- Bm *Noble Fir
- Bm *Shasta Red Fir
- Bg *Grand Fir
- L LARCH
- Ld *Dahurian Larch
- Le *European Larch
- MAPLE
- Me Box Elder
- Mn *Norway Maple
- Mp *Sycamore Maple
- OAK
- Qr *English Oak
- Qw *White Oak
- OTHER EXOTICS
- Ch *Horsechestnut
- Ck *Japanese Walnut
- PINE
- Pa *Austrian Pine
- Pm *Red Pine
- Py *Scots Pine
- SPRUCE
- Sn *Norway Spruce

Line 4

4a AGE CLASS

CODE	LIMITS (years)
1	1-20
2	21-40
3	41-60
4	61-100
5	101-120
6	121-140
7	141-200
8	201+

4b HEIGHT CLASS

CODE	LIMITS (metres)
1	0.1 - 10.4
2	10.5 - 19.4
3	19.5 - 29.4
4	29.5 - 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 trees in the stand. SI can be estimated from a known age and height, estimated SI is shown either, or replaces the SI.

4e ESTIMATED SITE INDEX
SI is estimated when suitable SI trees arenot present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes the SI value (/SI). Estimated SI values 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
- bv BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSSES - bryoid with mosses > 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
- bl BLOCKFIELD
- bu BUILT-UP
- br BEDROCK
- bu BURNED AREA
- ex EXPOSED LAND
- ex EXPOSED SOIL
- gl GLACIER
- gp GRAVEL PIT
- la LAKE
- lb LAKE BED
- l LANDING
- la POND or LAKE SEDIMENTS
- rd ROAD / TRAIL / TRAIL
- ur URBAN
- mu MUDFLAT SEDIMENT
- mi RUBBLY MINE SPOILS
- oc OCEAN
- cr OTHER
- sn SNOW COVER
- ss SNOW PATCH
- rv RIVER / STREAM
- rm RESERVOIR MARGIN
- rw RAILWAY SURFACE
- rs RIVER SEDIMENTS
- rs ROAD SURFACE
- s SAND
- tl TAILINGS
- ur URBAN

Note: Water categories (la, ls, rv, rl) not labelled over 90 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I records)
- A ALPINE
- AF ALPINE FOREST-Species
- CL CULTIVATED
- CL CLAY BANK
- DU DUNE SAND
- GR GRAVEL PIT
- ICE ICEFIELD
- L LANDING
- MUD MUDFLAT
- NP NON PRODUCTIVE
- NPBR NON PRODUCTIVE BRUSH
- NPBU NON PRODUCTIVE BURN
- NPF NON PRODUCTIVE FOREST Species
- NPL NON PRODUCTIVE LABLE
- OR OPEN RANGE
- P HAYFIELD
- R ROCK
- S SWAMP
- SAND SAND
- SILT SILT FLAT
- U URBAN
- NC NON COMMERCIAL
- NCBR NON COMMERCIAL BRUSH
- NP NON PRODUCTIVE
- NSR NOT SATISFACTORILY RESTOCKED
- N/A NOT 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.

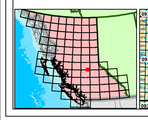
- A Animal Damage
- D Disease
- E Insect and Seed Insects
- G Diseases
- I Insects
- L Logging
- M Mine Damage
- N Non-Biological Injuries
- P Cone and Seedling Fungal Pathogens
- R Site Rehabilitation
- T Treatment Injuries
- U Damage Unknown
- V Problem Vegetation

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 values for -

OPENING ID
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



093H					093I					093J				
093H	NE	NW	SE	SW	093I	NE	NW	SE	SW	093J	NE	NW	SE	SW
093H	16	15	14	13	093I	16	15	14	13	093J	16	15	14	13
	12	11	10	9		12	11	10	9		12	11	10	9
	8	7	6	5		8	7	6	5		8	7	6	5
	4	3	2	1		4	3	2	1		4	3	2	1
093G	NE	NW	SE	SW	093H	NE	NW	SE	SW	093I	NE	NW	SE	SW
093G	16	15	14	13	093H	16	15	14	13	093I	16	15	14	13
	12	11	10	9		12	11	10	9		12	11	10	9
	8	7	6	5		8	7	6	5		8	7	6	5
	4	3	2	1		4	3	2	1		4	3	2	1
093B	NE	NW	SE	SW	093A	NE	NW	SE	SW					
093B	16	15	14	13	093A	16	15	14	13					
	12	11	10	9		12	11	10	9					
	8	7	6	5		8	7	6	5					
	4	3	2	1		4	3	2	1					

Overflow Labels

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