093C011

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 Kilometres

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 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 (CVS)
- 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/Nat/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- RMFLNRO 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:

C 2C
E3 E3
Fd/Hw Fd/Hw
Bl 2M
Pl 2M
Cw7D

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 (Douglas Fir) and Hw (Western Hemlock).
4 Age Class / Height Class / Crown Closure Class / 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

C2C - opening number valid for BCGS mapsheet
D37F - 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
- 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)
- Bl Subalpine Fir
- Sg 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
- Js Seaside Juniper
- L LARCH
- La Alpine Larch
- Lt Tamarack
- Lw Western Larch
- P PINE
- Pl Lodgepole Pine
- Pf Limber Pine
- Pli Lodgepole Pine
- Plc Lodgepole x Jack Pine hybrid
- Pj Jack Pine (planted)
- Pli Shore Pine (coast)
- Pw Western White Pine
- Pa Whitebark Pine
- S SPRUCE
- Sb Black Spruce
- Se Engelmann Spruce
- Ss Sitka Spruce
- Sw White Spruce
- Sx Spruce hybrid
- Sxw Engelmann x White
- Sxs Sitka x White
- Sxs Sitka x unknown hybrid
- T YEW
- Tw Western Yew

NATIVE HARDWOODS
- D ALDER
- Dr Red Alder
- U ARBUTUS
- Ue Pacific Crab-Apple
- A ASPEN, COTTONWOOD or POPLAR
- Ac Poplar
- Act Black Cottonwood
- Acb Balsam Poplar
- At Trembling Aspen
- R ARBUTUS
- E BIRCH
- Ep Alaska Paper Birch
- Epp Alaska x Paper Birch hybrid
- Ew Paper Birch (white)
- Ey Yellow Birch
- K CASCARA
- Kc Cascara
- V CHERRY
- Vb Bitter Cherry
- Vc Choke Cherry
- Vp Pin Cherry
- G DOGWOOD
- Gp Pacific Dogwood (western flowering)
- M MAPLE
- Mb Bigleaf Maple (broadleaf)
- Vn Vine Maple
- Q OAK
- Qg Garry Oak
- W WILLOW
- Wb Bebb's Willow
- Wp Peachleaf Willow
- Wha Peachleaf Willow (Barclay's)
- Whl Pussy Willow (gray-leaved)
- Ws Scouler's Willow
- Wr 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
- APPLE
- Ux Apple
- ASPEN, COTTONWOOD or POPLAR
- Axt Tacamahac Cottonwood
- BIRCH
- Ea European Birch
- Ekl Kamchatka (Asiatic)
- Ey *Yellow Birch
- CHERRY
- Vs Sweet Cherry
- CYPRESS
- Yp *Hut Orford Cedar
- FIR (Balsam)
- Bg *Balsam Fir
- Bn Noble Fir
- Bm *Shasta Red Fir
- Bc *White Fir
- LARCH
- Ld *Dahurian Larch
- Lk *Siberian Larch
- MAPLE
- Mr *Red Maple
- Mn *Norway Maple
- Ms *Sycamore Maple
- OAK
- Qn *English Oak
- Qw *White Oak
- OTHER EXOTICS
- Oa *Incense Cedar
- Oc *Monterey Cedar
- Os *Coast Redwood
- Od European Mountain Ash
- Oj Japanese Cedar (sugi/tsuru)
- Of Common Pear
- Og Oregon Ash
- Oh *White Ash
- Ot *Shagbark Hickory
- Ow *Black Walnut
- Oj Japanese Walnut
- PINE
- Pn *Monterey Pine
- Pr *Red Pine
- Ps *Sugar 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
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. If a site index cannot be obtained from age and height, estimated SI is shown when, or replaces the SI.

4e ESTIMATED SITE INDEX
SI is estimated when suitable SI trees aremot present, e.g. young stands (<30yrs). It is denoted by a slash which always follows the SI and is followed by the Site Index Base are Inventory Type Group and SI Estimated source code.

Line 5 Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I records4)

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

NON-TREED HERB
- w HERB - herb with no distinction between forbs and graminoids.
- W HERB - FORBS - herb with forbs > 50% of the herb cover.
- hg HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- b BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverwork, and hornwork > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- at Exposed Land
- ro Rock / Rubble
- ss Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)
- ap AIRPORT
- be BEACH
- bl BLOCKFIELD
- bu BUILT-UP
- bu BURNED AREA
- cb CUTBANK
- ep EXPOSED SOILS
- gl GLACIER
- gp GRAVEL PIT
- la LAKE
- lb LAVA BED
- mf MUD FLAT
- fl POND or LAKE SEDIMENTS
- ms OPEN PIT MINE
- mn MORAINE
- mu MUDFLAT SEDIMENT
- mu RUBBLY MINE SPOILS
- oc OCEAN
- rc RIVERBED
- pe SNOW COVER
- re RESERVOIR
- ri RIVER / STREAM
- rm RESERVOIR MARGIN
- rs RAILWAY SURFACE
- rs RIVER SEDIMENTS
- ro ROAD SURFACE
- ta TALUS
- ti TAILINGS
- ur URBAN

Note: Water categories (ie, oc, re, ri) not labelled over 90 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I records)
- A ALPINE
- AF ALPINE FOREST /Species
- C CULTIVATED
- CL CLAY BANK
- DU DUNE/ SAND
- GR GRAVEL PIT
- ICE ICEFIELD
- M MEADOW
- MUD MUD FLAT
- NP NON PRODUCTIVE
- NPBRU NON PRODUCTIVE BRUSH
- NPBU NON PRODUCTIVE BURN
- NPF NON PRODUCTIVE FOREST /Species
- NTA NO TYPING AVAILABLE
- OR OPEN RANGE
- R ROCK
- S SWAMP
- SAND SAND
- SF SILT FLAT
- U URBAN
- NC NON COMMERCIAL
- NCBRU NON COMMERCIAL BRUSH
- NP NON PRODUCTIVE
- NSR NOT SURVEYED / RESTOCKED
- NTA NO TYPING AVAILABLE

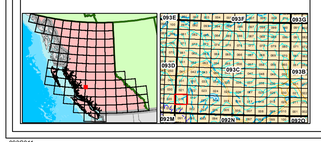
Line 6 - Disturbance History

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
- B Wildfire
- C Core and Seed Insects
- D Diseases
- I Insects
- L Logging
- M Mite 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
- OPENING LABELS
- OPENING - PLANTING ACTIVITY
- ACTIVITY TREATMENT UNIT
- STANDARDS UNIT
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH



093D030
093C021
093C022
093D020
093C011
093C012
093D010
093C001
093C002
54-70
54-72
54-73
107
TWEEDSMUIR PARK
RANGE 3 COAST DISTRICT
North Island - Central Coast Natural Resource District

126°0'0"W 125°59'0"W 125°58'0"W 125°57'0"W 125°56'0"W 125°55'0"W 125°54'0"W 125°53'0"W 125°52'0"W 125°51'0"W 125°50'0"W 125°49'0"W 125°48'0"W
294,000 295,000 296,000 297,000 298,000 299,000 300,000 301,000 302,000 303,000 304,000 305,000 306,000 307,000 308,000 309,000
52°47'30"N 52°46'30"N 52°45'30"N 52°44'30"N 52°43'30"N 52°42'30"N
5,787,000 5,786,000 5,785,000 5,784,000 5,783,000 5,782,000 5,781,000 5,780,000 5,779,000 5,778,000

Overflow Labels

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