092M010

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 subject to change. Please note that 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
- Structure Opening in Vegetation
- Permanent Sample Plot (SITE)
- Research Installations

TRIM, Base Features:
- 4x Sub Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fields
- Other lines
- Powerlines
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Rivers/Rivertanners - ESRI
- Watercourses - ESRI
- Waterbodies - ESRI
- Wetlands - ESRI
- Ocean - ESRI

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 (1:1,000,000 fra - 15 % hatch)
- Municipal boundary (1:1,000,000 fra3 - 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 Polygon 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 (Douglis Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separate - Site Index / estimated SI
ex: a layer with Crown Closure 2 (21-40 pc), height class 1 (0.1-10.4m), crown closure class 1 (6-15%), SI 20m
5 Vegetated Comerly 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

- : opening number valid for BCGS mapsheet
ZOOM : opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
6, - 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 4.0 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hmw	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mt. Juniper
Js	Scopulorum Juniper
L	LARCH
La	Subalpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Limber Pine
Pli	Limber x White Pine
Plc	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine hybrid
Pm	Mountain Hemlock
Pp	Shore Pine (coast)
Pw	Western White Pine
Pxj	White x Jack
S	SPRUCE
Se	Engelmann Spruce
Sea	Engelmann x Sitka
Sw	White Spruce
Sx	Spruce hybrid
Sxl	Sitka x White x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	TAMARACK
Te	Western Yew

NATIVE HARDWOODS

A	ALDER
Ad	Red Alder
Ag	Grey Alder
Ap	Pacific Crab Apple
At	BLACK COTTONWOOD or POPLAR
Ax	Trembling Aspen
Ab	Balsam Poplar
Abt	Balsam x Trembling
Ac	Black Cottonwood
Ax	Trembling Aspen
Ep	Paper Birch
Ea	Alaska
B	BIRCH
Bp	Alaska x Paper Birch
Bpp	Alaska x Paper Birch hybrid
Bpr	Paper Birch (white)
Bpy	Paper Birch
C	CASCARA
Cl	Cascara
D	DOGWOOD
Dc	Pacific Dogwood
Dp	Pin Cherry
Dr	Red Osier
Dw	Pacific Dogwood (western flowering)
E	MAPLE
Em	Broadleaf Maple (broadleaf)
Ew	Vine Maple
G	OAK
Gb	Garry Oak
H	HOLLY
Hb	Bebb's Willow
Hd	Drummond's Willow
Hh	Hooker Willow
Hw	Pussy Willow (grey leaved)
Hx	Willow hybrid
Hy	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

U	UNKNOWN
Un	unknown conifer
Uh	unknown hardwood
Ux	unknown (not in MG)
Ue	other conifer
Uh	other hardwood

EXOTICS

E	MAPLE
Ue	Norway
Ax	ASPEN, COTTONWOOD or POPLAR
Aw	*Southern Cottonwood
Ea	Grey Alder
Ew	European Birch
Ey	Silver Birch (swamp)
Ep	Paper Birch
CW	CHERRY
Vs	Sweet Cherry
Vu	*Bird Cherry
Yo	*Hnd Orford Cedar
FB	FIR (Balsam)
Bl	*Subalpine Fir
Bg	Noble Fir
BH	*Shasta Red Fir
Bn	*Nikko Fir
LARCH	
Le	*European Larch
Lj	*Japanese Larch
MA	Mono Maple
Mr	*Norway Maple
Mp	*Japanese Maple
OAK	
Qe	*English Oak
Qr	*Red Oak
OTHER EXOTICS	
Ce	*Incense Cedar
Cp	*Port Orford Cedar
Qc	*Coast Redwood
Qe	European Mountain Ash
Qj	Japanese Mountain Ash
Qp	Common Pear
Qg	Oregon Ash
Qn	*Green Ash
Qi	*Smallpetiole Hickory
Qa	*Shagbark Hickory
Qs	Japanese Walnut
PINE	
Pnr	*Norway Pine
Ar	*Red Pine
Pn	*Austrian Pine
SPRUCE	
Sn	*Norway Spruce

Line 4

4a ASE CLASS

CODE	LIMITS (years)
1	1-20
2	21-40
3	41-80
4	81-100
5	101-120
6	121-140
7	141-250
9	251 +

4b HEIGHT CLASS

CODE	LIMITS (metres)
1	0.1 - 10.4
2	10.5 - 19.4
3	19.5 - 27.4
4	27.5 - 37.4
5	37.5 - 48.4
6	48.5 - 58.4
7	58.5 - 69.4
8	69.5 +

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 nearest metre referenced at 50 years breast height age. The source of the age and height of the leading species. When an accurate SI cannot be obtained from age and height, estimated SI is shown. After 'a' replaces the SI.

4e ESTIMATED SITE INDEX
Estimated Site Index is the site index estimated present, e.g. shrub dwarfs (<50cm). It is denoted by a dash 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: (5a/ V and I records)

NON TREED SHRUB

S	SHRUB (Tall)
Sd	DWARF SHRUB

shrub with average shrub height > or = to two metres.
shrub with average shrub height < two metres.

NON TREED HERB

H	HERB
HF	HERB - FORBS
HG	HERB - GRAMINOIDS

herb with no distinction between forbs and graminoids.
herb with forbs > 50% of the herb cover.
herb with graminoids > 50% of the herb cover.

NON TREED MYXOID

Sx	MYXOID
SxM	MYXOID - MOSS
SxL	MYXOID - LICHEN

myxoid with no distinction between mosses and lichens by cover.
myxoid with mosses > 50% of the myxoid cover.
myxoid with lichens > 50% of the myxoid cover.

NON VEGETATED

N	NON VEGETATED
Nr	Rock / Rubble
Ns	Snow / Ice

NON VEGETATED CATEGORIES: (5a/ V and I records)

ap	AIRPORT	L	LAKE	mu	MUDFLAT SEDIMENT
bl	BEACH	L	LAKE	mb	RUBBLY MINE SPOILS
bl	BEACH SHIELD	L	LANDING	mt	TAILINGS
br	BEDROCK	L	LANDING	o	OTHER
cb	CUTBANK/AREA	lk	KOKO or LAKE SEDIMENTS	pl	PLAYA
cb	CUTBANK/LINE	m	MORAINE Veneer	R	RESERVOIR
cb	CUTBANK SOILS	m	MORAINE Veneer	r	RIVER / STREAM
d	DUNE/SAND				

rm	RESERVOIR MARGIN
rr	RAILWAY SURFACE
ro	ROAD SURFACE
rp	ROAD SURFACE Paved
t	TAILINGS
u	URBAN

NON FOREST / NON PRODUCTIVE DESCRIPTOR CODES: (5a/ V and I records)

A	ALPINE	MC	MOUNTAINOUS COMPLEX
AF	ALPINE FOREST Opencies	NPBR	NON PRODUCTIVE BRUSH
C	CLIFF	NPBU	NON PRODUCTIVE BURNED
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST Opencies
G	GRAVEL BAR	NTA	NOTYPING AVAILABLE
I	ICEFIELD	R	ROCK
ICE	ICEFIELD	S	SAND
M	MOUNTAIN	S	ROCK
MF	MOUNTAIN	SNOW	SNOW

SAND	SAND
TIDA	TIDAL FLAT
URBAN	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.

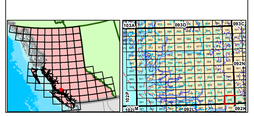
A	Animal Damage	L	LOGGING
B	WILDFIRE	M	Man Caused
C	Cone and Seed Insects	N	Non Biological Injuries
D	Diseases - Insects	P	Cone and Seedling Fungal Pathogens
R	Site Rehabilitation		
T	Treatment Injuries		
U	Undetermined		
V	Problem Vegetation		

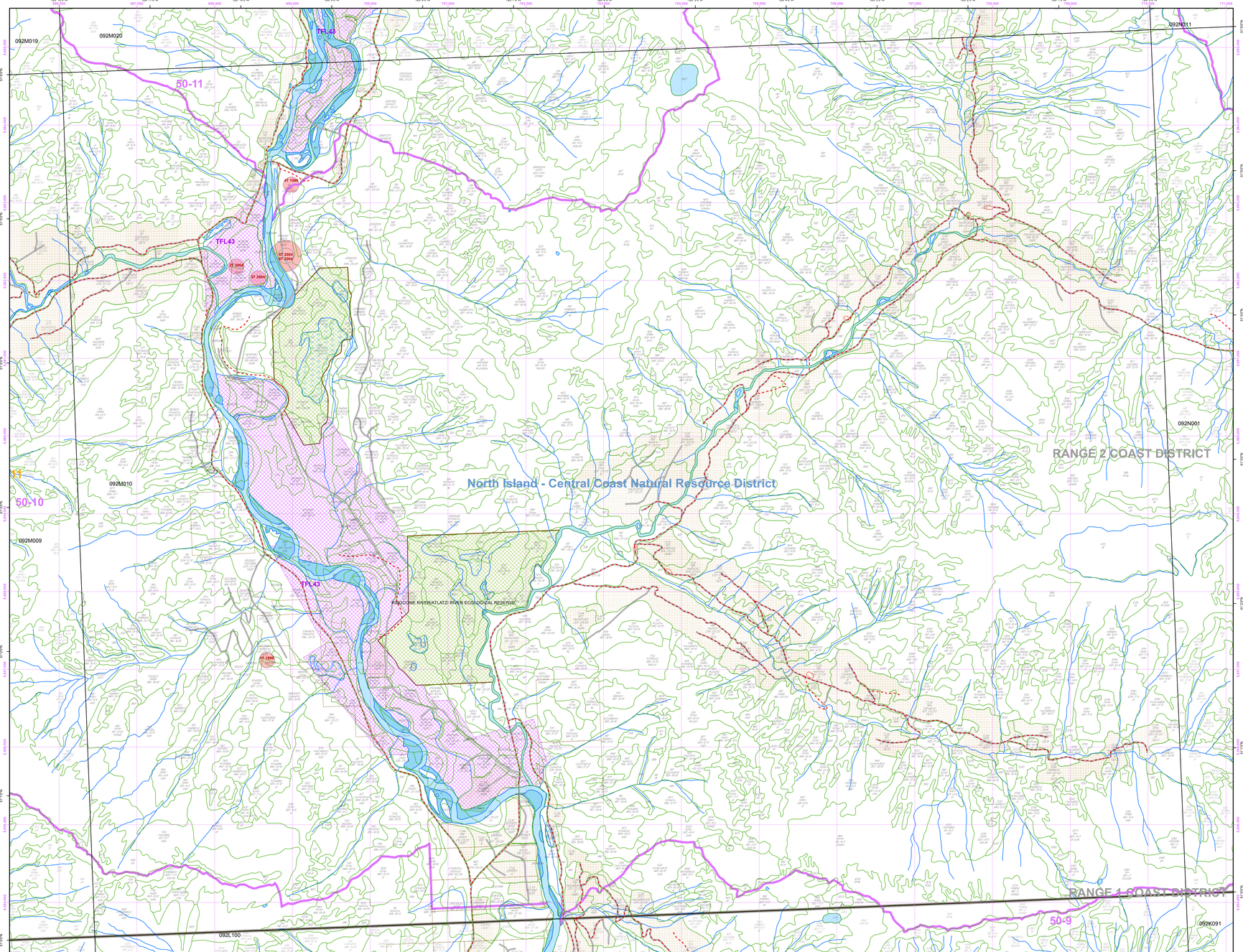
Example Opening History Details

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





Overflow Labels

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