092I083

Vegetation Map
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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 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
- Stockume Opening or Vegetation
- Permanent Sample Plot (CVS)
- Research Installations

TRIM, Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Aerials
- Other Lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolike/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RIC Region Compartment - FADM
- Provincial lease - 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 (Douglas Fir) and Hw (Western Hemlock).
4. Age, Height, Crown Closure Class Code - separator - Site Index / estimated SI
ex: Age class 4 (61-80 yrs), Height class 3 (19.5 - 28.4 m), Crown closure class 1 (6-15%), SI 20m
5. Vegetated Density Class (or Non-Forest/Productive Description)
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

OXX - opening number valid for BCGS mapsheet — DXXX - 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	BALSAM
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
Bp	Balsam
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwk	Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (contorta)
Plh	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pwa	Western White Pine
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Hybrid Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxb	Spruce hybrid white
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Sxw	White
Ss	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
V	APPLE
Vc	Pacific Crab Apple
Act	BLACK COTTONWOOD or POPLAR
At	Poplar
Ab	Balsam Poplar
Abh	Balsam Poplar hybrid
Ax	Hybrid Poplars
At	Trembling Aspen
E	BIRCH
Ea	Alaska
Ep	BIRCH
Epa	Alaska Paper Birch
Epx	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
K	CASCARA
K	CASCARA
Kc	Cascara
Kq	Cascara
V	Wild Cherry
Vc	Choke Cherry
Vm	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
W	WILLOW
Wy	Carrs Willow
Wl	Willow
Wp	Pacific Willow
Wb	Bebb's Willow
Wp	Pacific Willow
Wbg	Bebb's Willow (Barclay's)
Whi	Hooker Willow (Hooker)
Ws	Scouler's Willow
Wr	Sitka Willow (like leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xl	other conifer (not fir or hw)
Z	other conifer
Zh	other hardwood

EXOTICS

Ua	APPLE
Uc	ASPEN, COTTONWOOD or POPLAR
Ab	Southern Cottonwood
Ae	Aspen
Ep	European Birch
Ek	Silver Birch (swamp)
Ew	White Birch
U	CHERRY
Us	Sweet Cherry
Ut	Tree Cherry
Uy	*Hrut Cxford Cedar
Ucb	Fifi (Italianx)
Ucl	*Dahurian Larch
Up	Noble Fir
Upm	*Khatsk Red Fir
Ul	LARCH
Ud	*Dahurian Larch
Ue	*Siberian Larch
Um	MAPLE
Umk	Norway Maple
Ums	*Sycamore Maple
Ug	OAK
Ugk	*English Oak
Ugw	*White Oak
Uo	OTHER CONIFER
Ucw	*White Cedar
Ucl	*Giant Sequoia
Ucr	*Coast Redwood
Uaf	European Mountain Ash
Ucs	Siberian Elm (southern)
Uos	Russian Olive
Ug	Oregon Ash
Ucr	*White Ash
Uhb	*Common Hackberry
Uy	Tree-of-Heaven
Uj	Japanese Walnut
Um	Elm
Umy	*Monterey Pine
Ph	*Red Pine
Ppi	*Ponderosa Pine
Ut	SPRUCE
Usn	*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	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)
1	6 - 10
2	11 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
0	86 - 100

4d SITE INDEX

All SI are shown to the nearest metre referenced at 50 years breast height age (SI 50) for the Coastal and SI 70 for the Interior existing 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

SI is estimated when suitable SI trees arenot present, e.g. recently logged. The estimated SI is shown after the SI symbol and preceded by E. 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-TREED SHRUB
- s SHRUB — shrub with average shrub height > or = to two metres.
- sl 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 - MOSSES — bryoid with mosses > 50% of the bryoid cover.
- bl BRYOID - LICHENS — bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- r ROCK / RUBBLE
- w Water
- i Snow / Ice

NON VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gs	GRAVEL PIT
be	BEACH	la	LAKE
bi	BUILT-UP	lk	LAKEBED
br	BEDROCK	ls	LANDING
bu	BURNED AREA	lp	POND or LAKE SEGMENTS
ea	ESTUARY	mi	MINE - MISC
ex	EXPOSED SOILS	mn	MONUMENT
gl	GLACIER	mu	MUDFLAT SEGMENT
gr	GRAVEL PIT	ru	RUBBLY MINE SPOILS
		ot	OTHER
		ph	SNOW COVER
		ri	RIVER / STREAM
		rr	RIVER / STREAM
		rm	RESERVOIR MARGIN
		rw	RAILWAY SURFACE
		rd	ROAD SURFACE
		rd	ROAD SURFACE
		te	TALUS
		tz	TIDAL FLATS
		ur	URBAN

Note: Water categories (la, lp, rr, ri) not labelled over 90 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE
B	BRUSH (NON-FOREST /Species	NPBR	NON PRODUCTIVE BRUSH
CL	CLEARING	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species
G	GRASS, BAR	NTA	NO TYPING AVAILABLE
GL	GLACIER, ICE	OR	OPEN RANGE
ICE	ICEFIELD	R	ROCK
M	MEADOW	S	SWAMP
W	WOODY FLAT		
		SAND	SAND
		TOE	TOE SLOPE FLAT
		TZ	TIDAL FLATS
		NC	NON COMMERCIAL
		NCBR	NON COMMERCIAL 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.

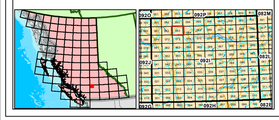
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seedling Fungal Pathogens
E	Insects		
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

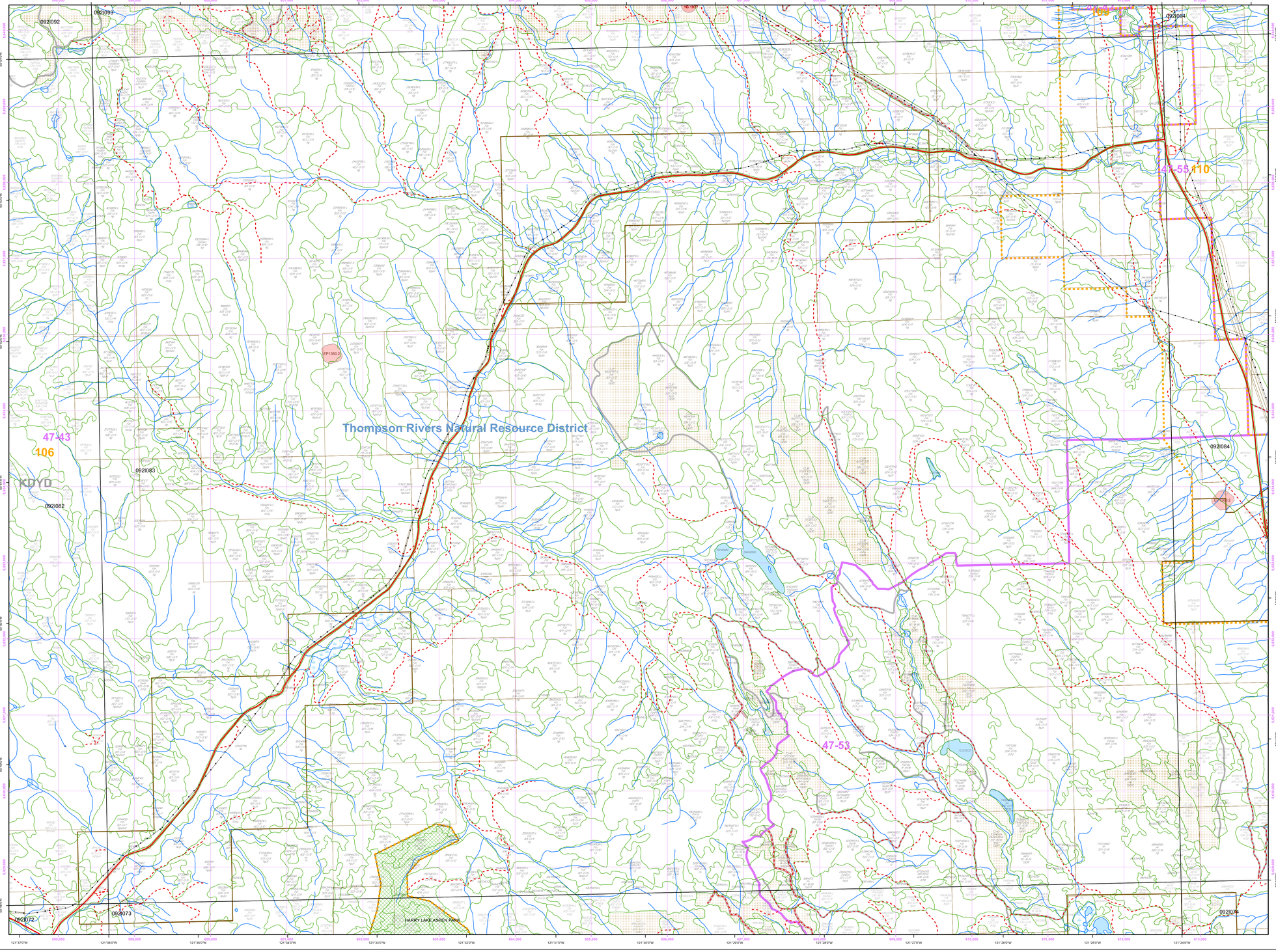
Example Opening History Details

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
SILVICULTURE TREATING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

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