093H071

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 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 7, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Structures 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
- Airf ields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Aerbarriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RIV 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 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 S)
ex: a 60 year old stand, 25 to 30 metres high, 21 to 30 % 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

CUT - opening number valid for BCGS mapsheet *DOR* - 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 codes: 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)
Ba	Amabilis Fir
Bg	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	Savin 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)
Pli	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Shore Pine (coastal)
Pwi	Inland Shore Pine
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann x White
Sx	Sitka Spruce
Sw	White Spruce
Sxe	Engelmann x White
Sxi	Sitka x White
Sxw	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
V	APPLE
Up	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Ax	Hybrid Poplar
At	Trembling Aspen
W	WILLOW
Wp	Pacific Willow
E	BIRCH
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ew	Water Birch
K	CASCARA
G	CHERRY
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Vm	Vine Maple
Q	OAK
Qg	Garry Oak
H	WILLOW
Hb	Bebb's Willow
Hd	Hooker Willow
Hw	Peachleaf Willow (Blankley's)
Hw	Pussy Willow (gray-leaved)
Hs	Sitka Willow
Hf	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

Ue	APPLE
Ua	ASPEN, COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
Ae	*Aspen
Ep	European Birch
Es	Silver Birch (swamp)
Ey	Cutleaf Birch
Ue	CHERRY
Ys	Sweet Cherry
Ue	ELM
Up	*Prairie Crab
Ue	FIR (Balsam)
Bp	*Balkan Fir
Bn	Nobel Fir
Bnn	*Nobel x Red Fir
Bn	*White Fir
Ue	LARCH
Le	*European Larch
Lj	*Siberian Larch
Ue	MAPLE
Mr	Red Maple
Mn	*Norway Maple
Ms	*Sycamore Maple
Ue	OAK
Qr	*English Oak
Qw	*White Oak
Ue	OTHER EXOTICS
Ob	*Incense Cedar
Oc	*Atlas Cedar
Ol	*Cedar of Lebanon
Od	European Mountain Ash
Oe	*Russian Olive (Elaeagnus)
Of	Common Pear
Og	Oregon Ash
Ou	*Hackberry
Ot	*Shagbark Hickory
Oj	Tree-of-Heaven
Ow	*Black Walnut
Ue	PINE
Pm	*Monterey Pine
Pn	*Austrian Pine
Pp	*Scots Pine
Ue	SPRUCE
Sn	*Norway Spruce
Sp	*Red Oxford Cedar
Ss	*Port Orford Cedar
Ut	TAMARISK
Ue	TREE-OF-HEAVEN
Ue	WALNUT
Uw	*English Walnut
Uh	*Black Walnut

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 to estimate site productivity to the nearest metre referenced at 50 years breast height age. It 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

SI is estimated when suitable trees are almost present, e.g. recently logged or burned areas. It is shown by a slash 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-TREES SHRUB
- w SHRUB TALL - shrub with average shrub height > or = to two metres.
- s SHRUB LOW - shrub with average shrub height < two metres.

NON-TREES 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
- bw 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 CATEGORIES (for V and I records).

be	BEACH	bl	LAKE	mg	MUDFLAT SEDIMENT
br	BEDROCK	bb	LAKE FILL	mp	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lb	LAVA BED	oc	OCEAN
ds	DUNE SAND	lc	LAVA FLOW	oi	OCEAN ICE
bo	BURNED AREA	rs	PONDING LAKE SEDIMENTS	sn	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
es	EXPOSED SOILS	mn	MORAINE	rr	RIVER/STREAM
rk	ROCKBLUFF				

Note: Water categories ds, oc, re, rr not labelled over 50 percent coverage.

mm	RESERVOIR MARGIN
mr	RAILWAY SURFACE
rs	RIVER SEDIMENTS
ro	ROAD SURFACE
tp	TALUS
tz	TAILINGS
ir	RIVER/STREAM

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

A	ALPINE	NP	NON PRODUCTIVE
B	BOREAL FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPMU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species
D	DISTURBED	NPL	NON PRODUCTIVE-LINEAR
GR	GRAVEL PIT	OR	OPEN ROADED
ICE	ICEFIELD	P	HAYFIELD
M	MEADOW	R	ROCK
MUD	MUDFLAT	S	SWAMP

BAND	BAND		
FLAT	FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NPRE	NON PRODUCTIVE - RESTOCKED		
NTA	NOT TYPING AVAILABLE		

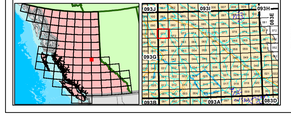
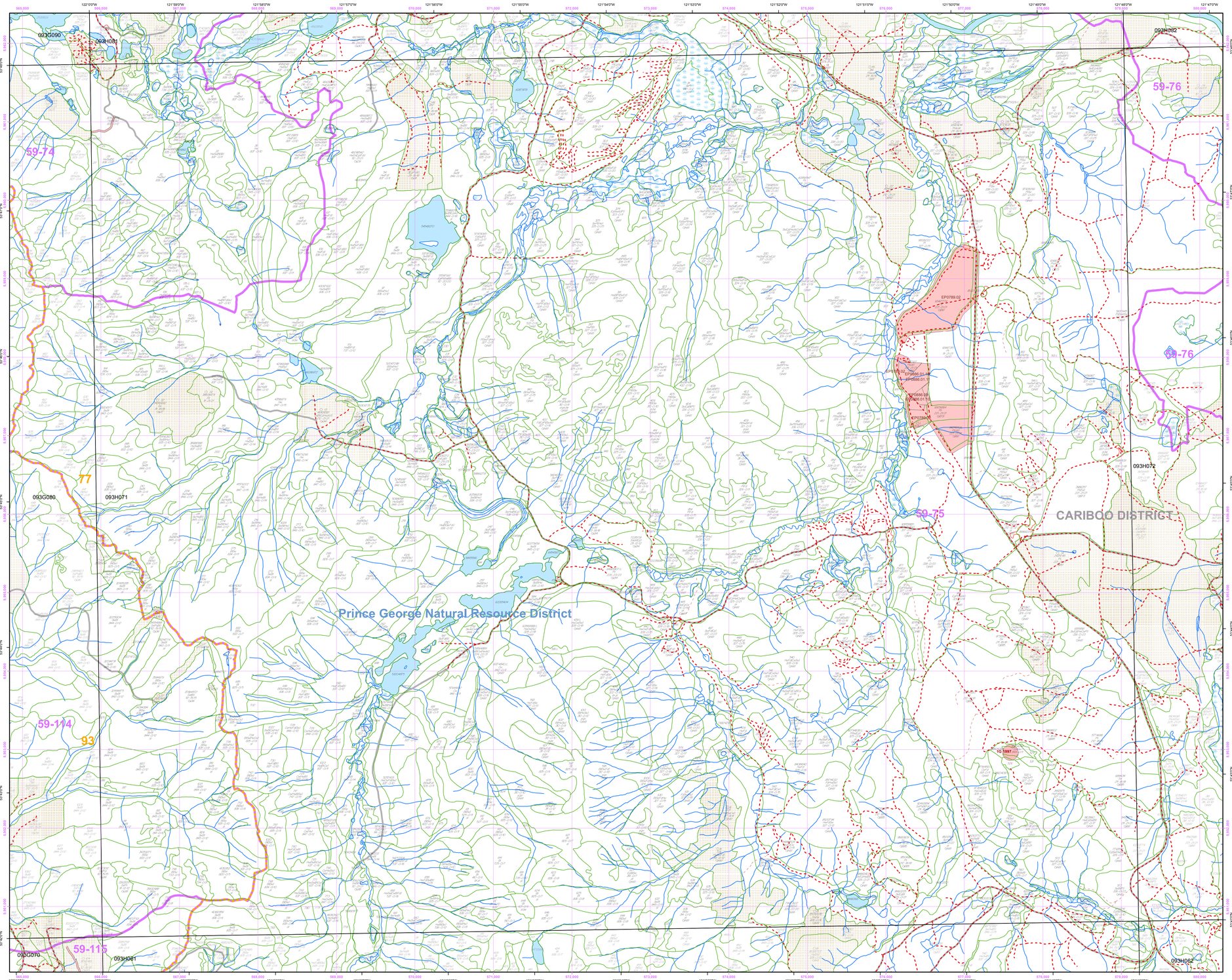
Line 6 - Disturbance History

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	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seedling Fungal Pathogens
I	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
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
SILVICULTURE BLOCK
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH