093G016

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 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (GYS)
- 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
- HydroNavBarriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

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:

○12
123/L
Fd(Hw)
211-20
he sl
GL78

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 (Dougls 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 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 Opeing Number

○12 - opening number valid for BCGS mapsheet   blank - 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 Compsition: 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 dataed January 2009.

NATIVE CONIFERS	NATIVE HARDWOODS	EXOTICS
C CEDAR	D ALDER	APPLE
Cw Western Red Cedar	Dr Red Alder	Ua Apple
Y CYPRESS	U APPLE	ASPEN, COTTONWOOD or POPLAR
Yc Yellow Cedar	Up Pacific Crab Apple	Ad *Southern Cottonwood
F DOUGLAS FIR	A ASPEN, COTTONWOOD or POPLAR	BIRCH
Fd Douglas Fir	Ac Poplar	Ee European Birch
Fdc Coastal Douglas Fir	Acb Balsam Poplar	Es Silver Birch (swamp)
Fdi Interior Douglas Fir	Act Black Cottonwood	Ey *Yellow Birch
B FIR (Balsam)	Ax hybrid Poplars	CHERRY
Ba Amabilis Fir	At Trembling Aspen	Vs Sweet Cherry
Bg Grand Fir	R ARBUTUS	CYPRESS
Bl Subalpine Fir (alpine)	Ra Arbutus	Yp *Port Orford Cedar
H HEMLOCK	E BIRCH	FIR (Balsam)
Hm Mountain Hemlock	Ea Alaska Paper Birch	Bb *Balsam Fir
Hw Western Hemlock	Exp Alaska x Paper Birch hybrid	Bp Noble Fir
Hxm Mountain x Western Hemlock hybrid	Ep Paper Birch (white)	Bm *Shasta Red Fir
J JUNIPER	Ew Water Birch	Bc *White Fir
Jr Rocky Mtn. Juniper	K CASCARA	LARCH
Js Seaside Juniper	Kc Cascara	Ld *Dahurian Larch
L LARCH	V CHERRY	Ls *Siberian Larch
La Alpine Larch	Vb Bitter Cherry	MAPLE
Lt Tamarack	Vv Choke Cherry	Me Box Elder
Lw Western Larch	Vp Pin Cherry	Mn *Norway Maple
P PINE	G DOGWOOD	Ms *Sycamore Maple
Pj Jack Pine	Gp Pacific Dogwood (western flowering)	OAK
Pf Limber Pine	M MAPLE	Qe *English Oak
Pl Lodgepole Pine	Mb Bigleaf Maple (broadleaf)	Qw *White Oak
Pli Lodgepole Pine (interior)	Mv Vine Maple	OTHER EXOTICS
Pxj Lodgepole x Jack Pine hybrid	Q OAK	Oa *Incense Cedar
Py Ponderosa Pine (yellow)	Qg Garry Oak	Ob *Giant Sequoia
Plc Shore Pine (coast)	W WILLOW	Oc *Coast Redwood
Pw Western White Pine	Wb Bebb's Willow	Od European Mountain Ash
Pa Whitebark Pine	Wp Pacific Willow	Oe Siberian Elm (southern)
S SPRUCE	Wa Peachleaf Willow (Barclay's)	Of Common Pear
Sb Black Spruce	Wd Pussy Willow (gray-leaved)	Og Oregon Ash
Se Engelmann Spruce	Ws Scouler's Willow	Oh *White Ash
Ss Sitka Spruce	Wt Sitka Willow (tea-leaved)	Oi *Shagbark Hickory
Sw White Spruce	UNKNOWN - OTHER	Oj Tree-of-heaven
Sx Spruce hybrid	X UNKNOWN	Ok Japanese Walnut
Sxw Engelmann x White	Xc unknown conifer	PINE
Sxl Sitka x White	Xh unknown hardwood	Pm *Monterey Pine
Sxs Sitka x unknown hybrid	Z OTHER (tree not on list)	Pr *Red Pine
T YEW	Zc other conifer	Ps *Sugar Pine
Tw Western Yew	Zh other hardwood	SPRUCE
		Sn *Norway Spruce

Line 4

4a AGE CLASS CODE	LIMITS (years)	4b HEIGHT CLASS CODE	LIMITS (metres)	4c CROWN CLOSURE CLASS CODE	LIMITS (percentage)
1	1-20	1	0.1 - 10.4	0	0 - 5
2	21-40	2	10.5 - 19.4	1	6 - 15
3	41-60	3	19.5 - 28.4	2	16 - 25
4	61-80	4	28.5 - 37.4	3	26 - 35
5	81-100	5	37.5 - 46.4	4	36 - 45
6	101-120	6	46.5 - 55.4	5	46 - 55
7	121-140	7	55.5 - 64.4	6	56 - 65
8	141-250	8	65.5 +	7	66 - 75
9	251 +			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 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 SI trees arenot present, e.g. young stands (<30yrs). It is denoted 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-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
- 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 gaminoids > 50% of the herb cover.

NON-TREED BRYOID
- by 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
- el Exposed Land
- ro Rock / Rubble
- si Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap AIRPORT	gp GRAVEL PIT	mu MUDFLAT SEDIMENT	rm RESERVOIR MARGIN
be BEACH	la LAKE	mz RUBBLY MINE SPOILS	rm RAILWAY SURFACE
bl BLOCKFIELD	lb LAVA BED	oc OCEAN	rs RIVER SEDIMENTS
br BEDROCK	ll LANDING	ot OTHER	rz ROAD SURFACE
bu BURNED AREA	ls POND or LAKE SEDIMENTS	pn SNOW COVER	ta TALUS
cb CUTBANK	mi OPEN PIT MINE	re RESERVOIR	tz TAILINGS
es EXPOSED SOILS	mn MORAINE	ri RIVER / STREAM	ur URBAN
gl GLACIER			

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

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

A ALPINE	NP NON PRODUCTIVE	SAND SAND
AF ALPINE FOREST /Species	NPBR NON PRODUCTIVE BRUSH	TIDE TIDAL FLAT
C CULTIVATED	NPBU NON PRODUCTIVE BURN	U URBAN
CL CLAY BANK	NPF NON PRODUCTIVE FOREST /Species	
G GRAVEL BAR	NTA NO TYPING AVAILABLE	NC NON COMMERCIAL
GR GRAVEL PIT	OR OPEN RANGE	NCBR NON COMERCIAL BRUSH
ICE ICEFIELD	P HAYFIELD	NP NON PRODUCTIVE
M MEADOW	R ROCK	NSR NOT SUFFICIENTLY RESTOCKED
MUD MUD FLAT	S SWAMP	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.

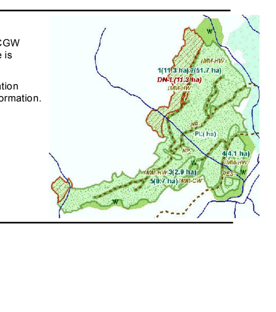
A Animal Damage	L Logging	R Site Rehabilitation
B Wildfire	M Mite Damage	T Treatment Injuries
C Cone and Seed Insects	N Non-Biological Injuries	U Damage Unknown
D Diseases	P Cone and Seedling Fungal Pathogens	V Problem Vegetation
I Insects		

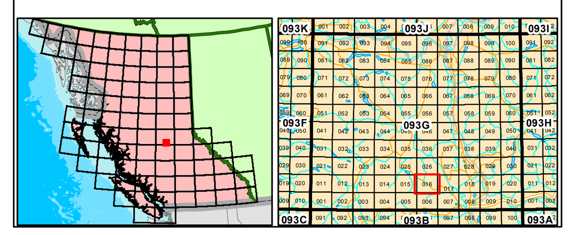
Example Opening History Details

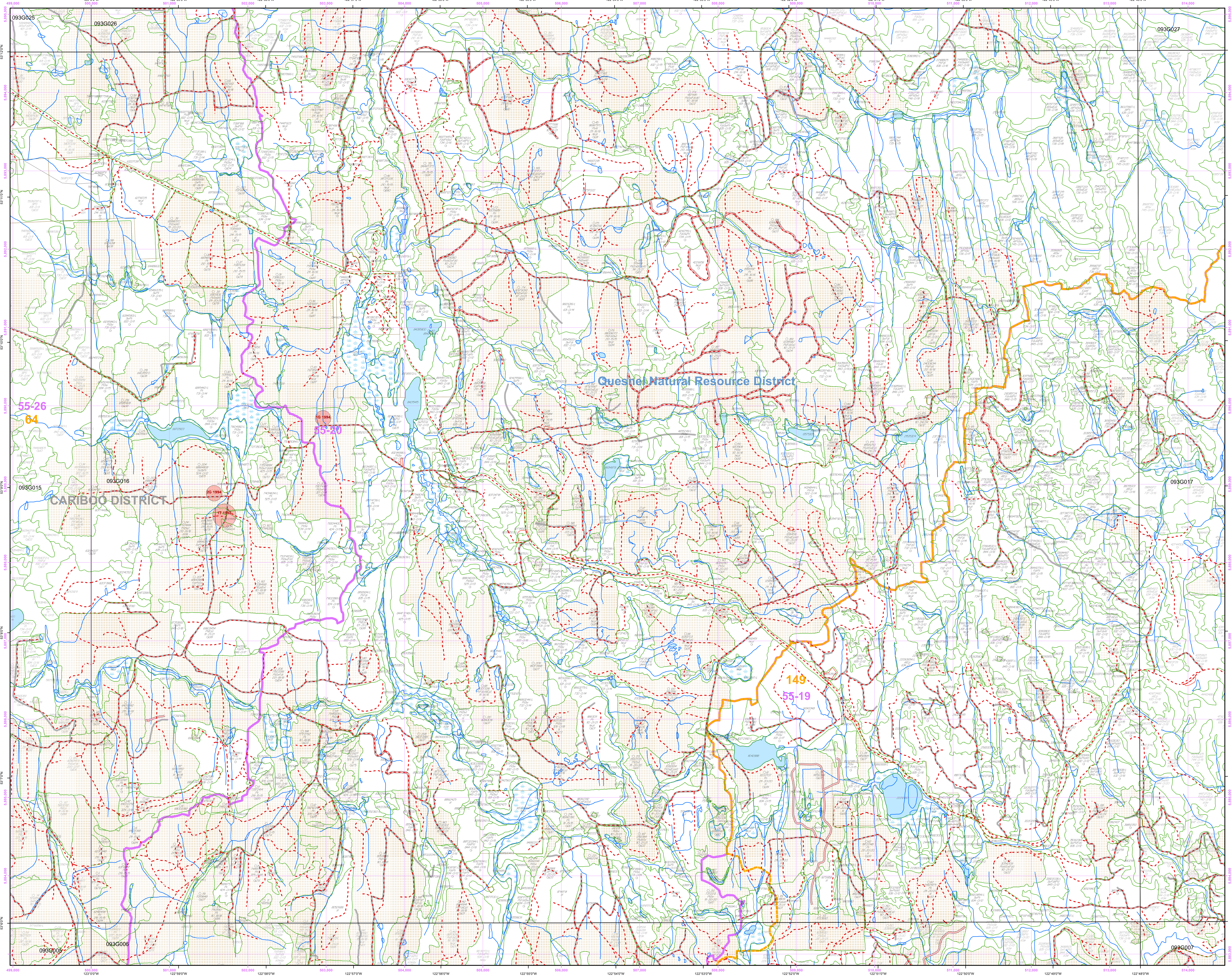
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

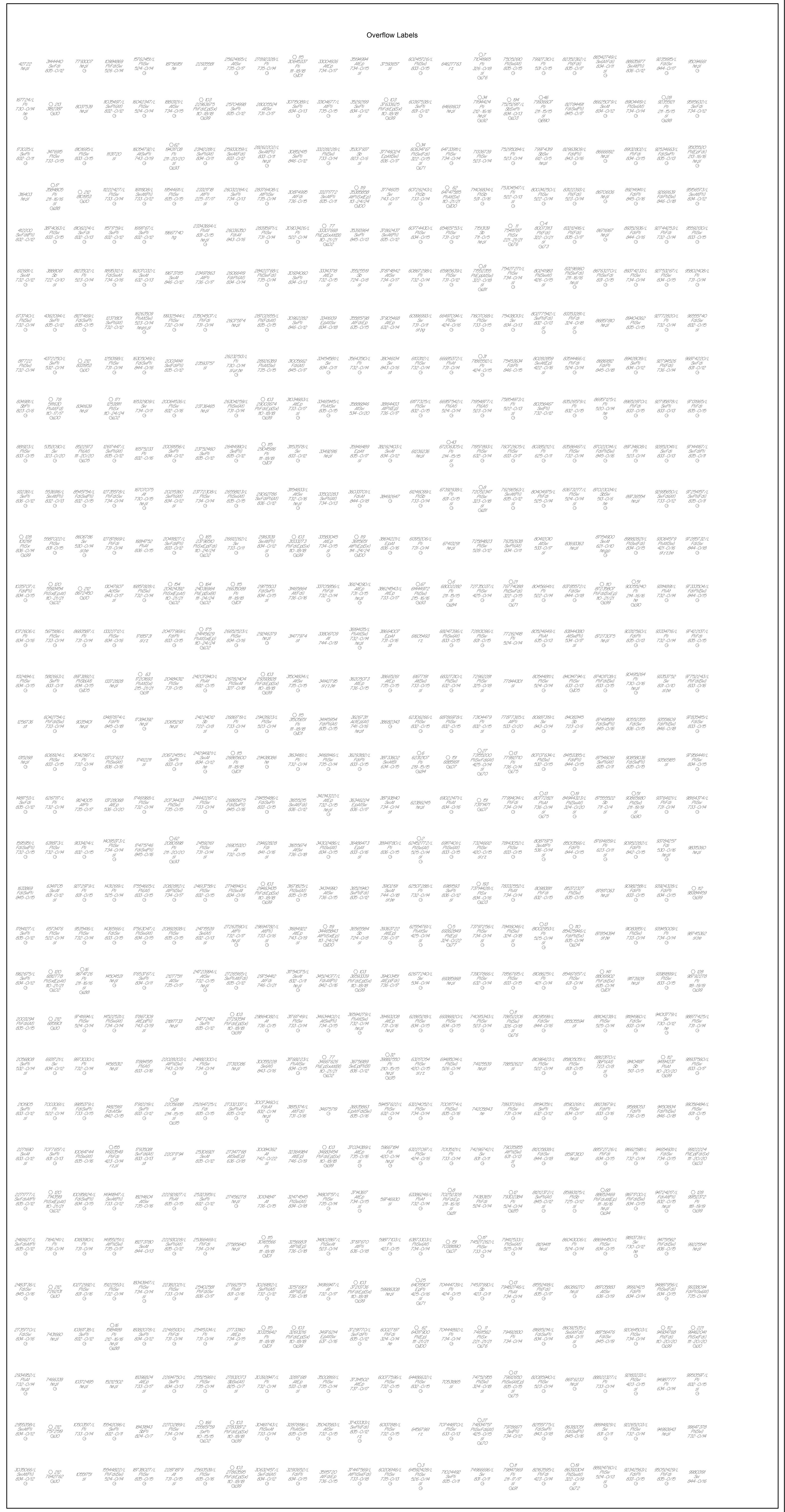
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

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









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