BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map

093E052

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)
211-2O
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 availiable 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

Code	Name
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 hydrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Pxj	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Plc	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
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

Code	Name
D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Acb	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
R	ARBUTUS
Ra	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Exp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vv	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Barclay's)
Wd	Pussy Willow (gray-leaved)
Ws	Scouler's Willow
Wt	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

Code	Name
X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Code	Name
	APPLE
Ua	Apple
	ASPEN, COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
	BIRCH
Ee	European Birch
Es	Silver Birch (swamp)
Ey	*Yellow Birch
	CHERRY
Vs	Sweet Cherry
	CYPRESS
Yp	*Port Orford Cedar
	FIR (Balsam)
Bb	*Balsam Fir
Bp	Noble Fir
Bm	*Shasta Red Fir
Bc	*White Fir
	LARCH
Ld	*Dahurian Larch
Ls	*Siberian Larch
	MAPLE
Me	Box Elder
Mn	*Norway Maple
Ms	*Sycamore Maple
	OAK
Qe	*English Oak
Qw	*White Oak
	OTHER EXOTICS
Oa	*Incense Cedar
Ob	*Giant Sequoia
Oc	*Coast Redwood
Od	European Mountain Ash
Oe	Siberian Elm (southern)
Of	Common Pear
Og	Oregon Ash
Oh	*White Ash
Oi	*Shagbarck Hickory
Oj	Tree-of-heaven
Ok	Japanese Walnut
	PINE
Pm	*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 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

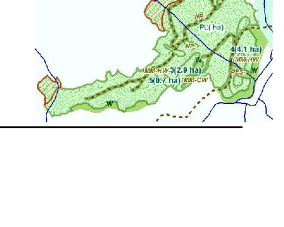
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

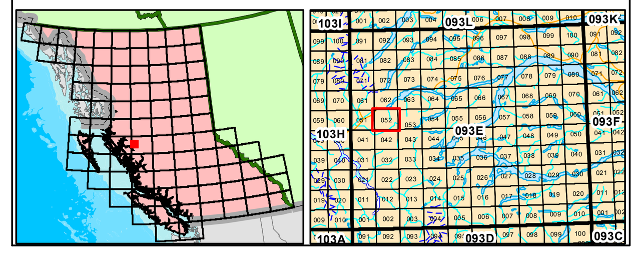
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

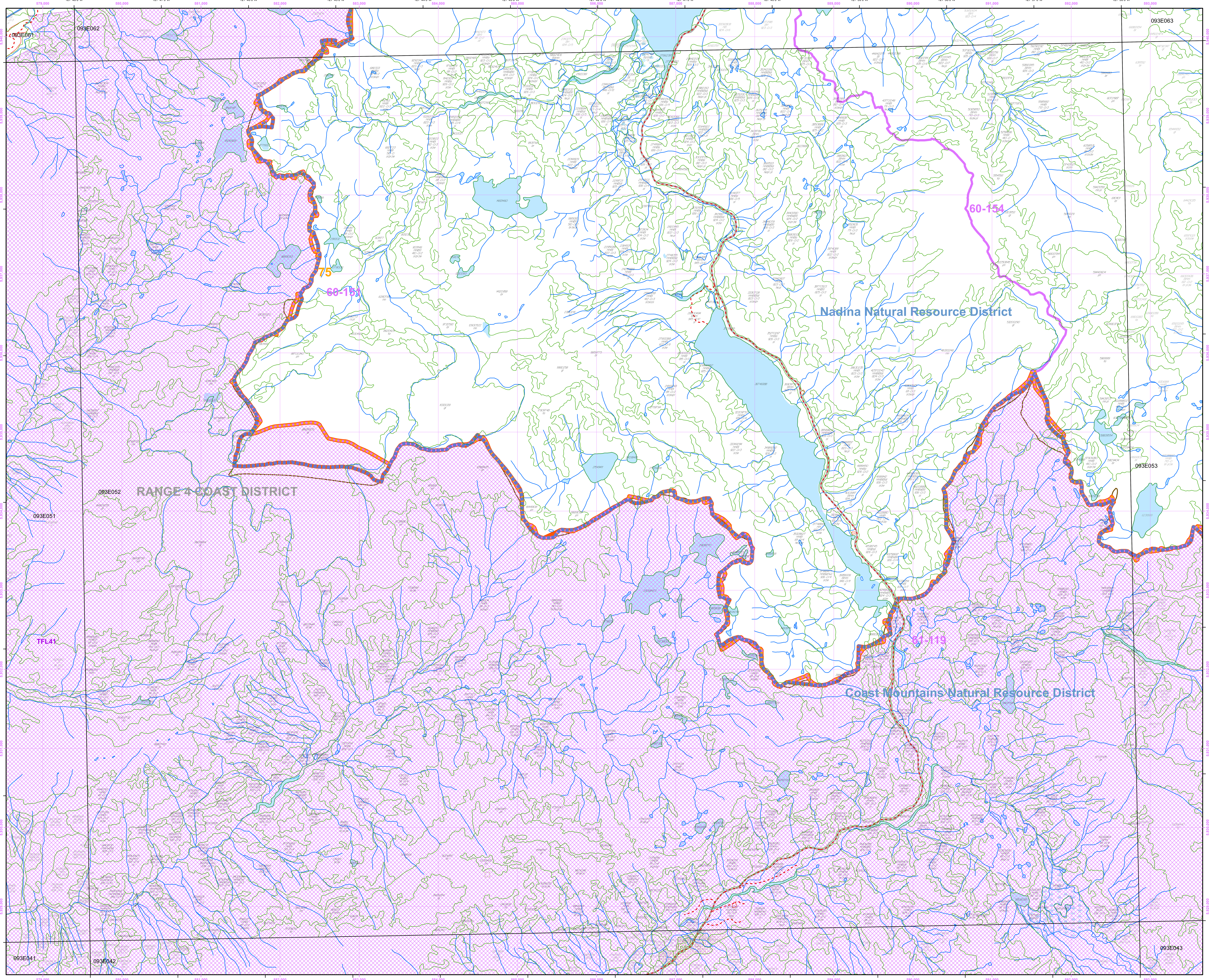
Example Opening History Details

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







Overflow Labels

1202504 ta	25652444 Bl(Hm) 930-O/6 st hg G	52712049 HmBl 511-O/3 rs st	98347203 rs st
1552517 br te	25716222 HmHw 936-O/4 sl	53122174 HmBl 823-O/3 he sl	
4330490 pn	25802220/L Bl(Hm) 923-O/4 st be G	53395949 rs	
5572113 Hm(BlBa) 934-O/3 sl be	26322218 Bl 820-O/4 hg sl	53771976 BlHm 924-O/4 sl be	
8131230 ta	27119794 ta	54395990 HmBl(Ba) 711-O/2 sl be br	
8372232 HmBa 935-O/3 sl	27696427 Hm(Hw) 925-O/3 sl	57482406 HmBl 410-O/2 sl be br	
9171471 HmBa 820-O/3 ta be sl	27742283 HmBlBa 931-O/3 st he rz G	58952402 pn	
9616042 ta	28100691 HmBl 310-O/3 rs st	59717144 gl	
9941688 Hm(BlBa) 923-O/2 sl be	28926469 br	59867949 rs sl	
10436076 pn	28991414 HmBl(Ba) 824-O/3 sl	60027905 Bl(HmBa) 923-O/3 sl be	
13402021 Hm(Bl) 922-O/2 sl br be	29541560 HmBa 926-O/2 sl	60126584 ta	
13492487 HmBa 925-O/3 sl	30470636 BlHm 931-O/6 hg sl ri	60387762 BlHm 811-O/3 sl be	
13862189 BlHm 930-O/6 ri st	31257114 HmBl 611-O/4 sl be	60490375 ta	
14272169 HmBa 935-O/4 sl	31422383 HmBa 936-O/5 sl	60627873 BlHm 821-O/5 sl bg rs	
14462258 HmBa(Bl) 936-O/4 sl	31486598 Hm(Bl) 822-O/4 st ta be	60709404 HmBl 410-O/2 br sl be	
15062405 HmBa 926-O/3 sl	31736342 HmBl(BaHw) 946-O/7 he sl	60849459 ta	
16372476 HmBa 936-O/4 sl	3906556 HmHw(Ba) 937-O/3	6090093 sl mn be	
16832116 HmBa 820-O/4 ta	32002377 HmBa(Bl) 926-O/3 sl	61019573 ta	
17305980 br st be	34915946 Hm(Ba) 825-O/3 sl	61030209 ta	
17336305 ta	36231688 BlHm 923-O/3 sl be	82696389 HwHmBa(Cw) 946-O/11 sl	
18002110 HmBa 934-O/4 sl	37219795 HmBl(Ba) 411-O/7 sl rz be G	84081385 HmBl 810-O sl br be	
18246549 pn	37302444 BlHm 812-O/2 sl be br	84091812 ta sl	
18392508 HmBa(Bl) 924-O/2 br sl be	39626796 HmHw(Ba) 935-O/4 sl	84646153 HmBl(SBl) 825-O/4 sl	
18625980 sl	40106272 BaHm 946-O/8 sl	84986069 HmBl 824-O/4 st	
19375995 Hm(Bl) 811-O/2 sl br	41198025 Hm 920-O/3 ta sl be	85011576 br sl be	
20355993 sl	41597759 Hm 920-O/3 sl ta be	86961302 br	
21856022 HmHw(Bl) 934-O/3 sl br	43916760 HmBa(Bl) 926-O/3 sl	87398298 ta	
21882468 HmBa 926-O/3 sl	44802386 BlHm 925-O/3 sl	88496255 HmBl(Sx) 715-O/3 sl	
21922361 BlHm(Ba) 936-O/7	45026856 ri	92026895 HmHwSx(Ba) 944-O/7 sl be	
23336032 HmHw(Bl) 614-O/4 sl	48715921 HmBl 610-O/2 sl br be	92038368 ta	
23676117 HmHw(Bl) 935-O/3 sl	49976195 ta	95039679 br	
23971183 HmBa(Bl) 936-O/3 sl	50038070 HmBa 826-O/4 sl	96237488 Hm(Bl) 826-O/3 sl	
24042384 rs sl	51542391 HmBl 514-O/3 sl	96376128 HmBl 611-O sl be ta	
24925967 HmHw(Ba) 824-O/3 sl br	52486874 Hm(Bl) 412-O/4 sl be	97580466 mn	