Vegetation Map

094A018

Ministry of Forests, Lands and Natural Resource Operations, British Columbia

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
- Siviculture 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 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	Species
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	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	Species
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	Species
X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Code	Species
	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	*Shagbark 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	rn 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.

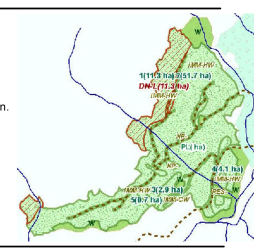
A Animal Damage	L Logging	R Site Rehabilitation
B Wildfire	M Mite Damage	T Treatment Injuries
C Cone and Seed Insects	N Non-Biological Injuries	U Damage Unknown
D Diseases	P Cone and Seedling Fungal Pathogens	V Problem Vegetation
I Insects		

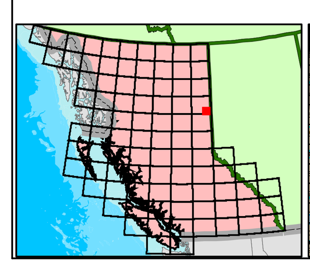
Example Opening History Details

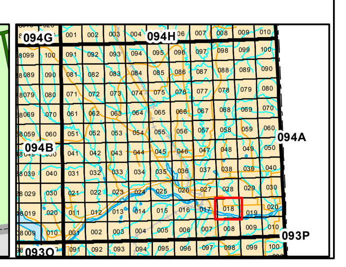
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

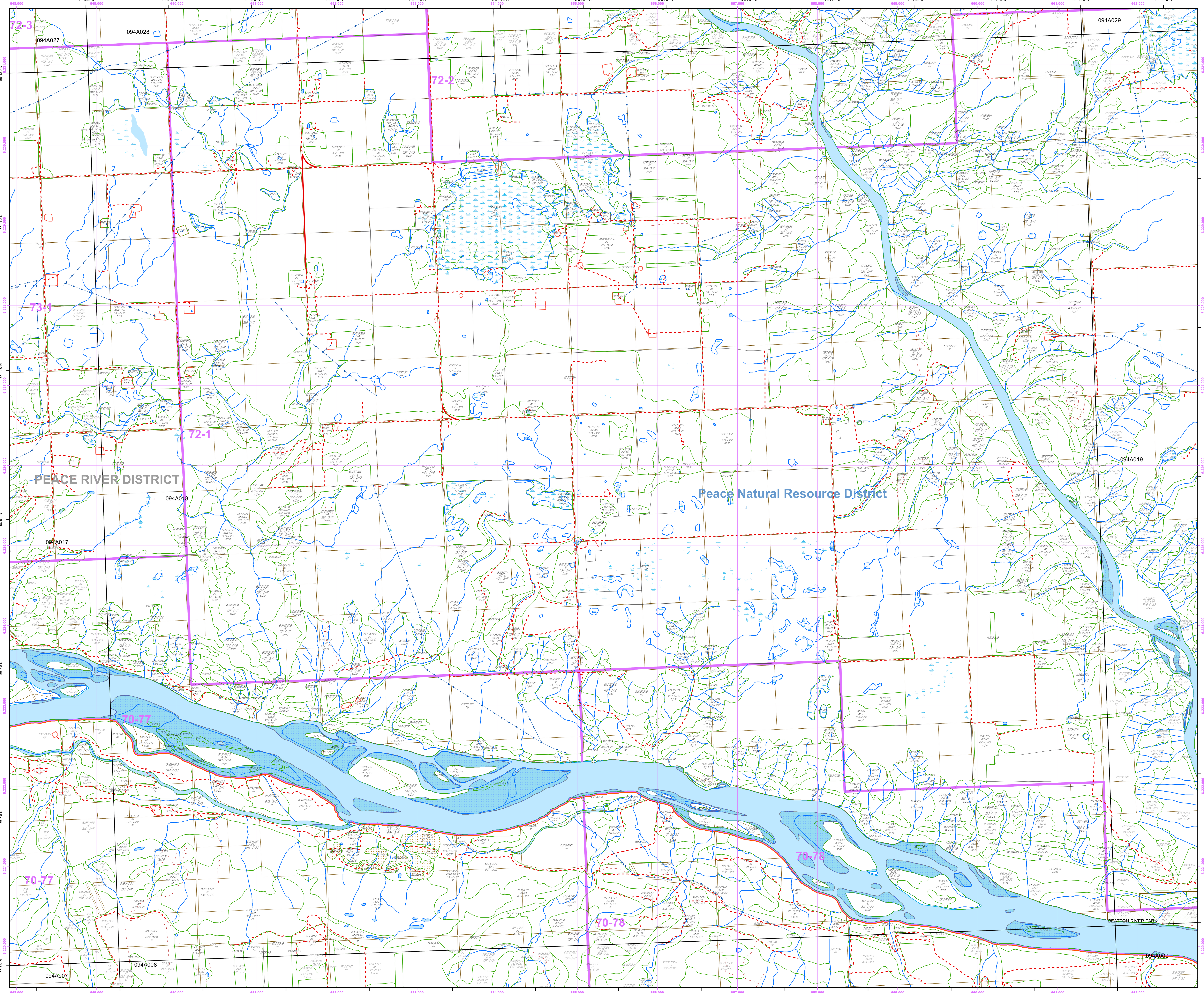
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

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









Overflow Labels

184819 AcAt 634-0/19 st be	12948553 hg,es,sl	51667069 At 425-0/16 sl be	62128864 AtAc 425-0/15 st be	○ 2 74694116 AtSwAcEp 112-17/17 GL98	94924887 es
560313 AcAt 435-0/21 sl be	13287501 At 425-0/15 he,sl	52315668 At 421-0/14 sl,be,es,by	62185254 he	○ 2 75074271 AtSwAcEp 112-17/17 GL98	95734679 st be
884910 es,bg	13524084 Sx(Ac) 535-0/16 sl,be,by	52484662 Ac 845-0/22 he	62189062 At 324-0/17 st be	76274834 Ac 433-0/20 st be	95735372 hg,es
1185102 es,bg	13789343 Sx(At) 535-0/17 sl,be,by	52805786 At 320-0/15 hg,sl,es	62714830 st be	78406685 AtAc 324-0/17 he,sl	96195683 hg,es
1499690 AtAc 321-0/18 sl,es,be	13979440 st be	5281595 At 422-0/14 st be	62795341 At 322-0/15 sl,bg	78679721 At(Ac) 432-0/17 he,sl,ur	96365601 es
1680258 AtAc 325-0/17 sl be	14077790 AcAt 424-0/16 he,sl	5319710 AtAc 535-0/14 st be	63325448 hg,es,sl	79733714 At 326-0/17 br	96490206 At(AcSx) 326-0/18 he,sl
2480286 hg,sl	16306048 At 326-0/17 he,sl	53467705 Sb 525-0/7 by,sl,bl	63436475 Sx(Ac) 536-0/15 sl be	79969279 st be	96497054 he
2583769 At(Ac) 338-0/21	1719513 es,bg,sl	53487363 At 535-0/15 st be	63626394 At 321-0/16 hg,sl,es	80304785 st be	96614876 st be
2700298 AtAc 326-0/17 sl be	17424547 st,be,es	54563409 AtAc 218-18/18	63933548 AcAt 327-0/18	80386054 At 320-0/17 hg,sl	96738971 es
3009683 AtAc 526-0/14 sl be	1919906 At 322-0/19 hg,sl	54635966 At 426-0/16 sl be	64404877 Ac 331-0/21 st be	80558524 es be	97253741 At 337-0/21
3640037 At 325-0/17 sl be	19417961 hg	55095922 At 536-0/15 sl be	65417466 Sx(AtAc) 535-0/14 sl be	80625656 At 535-0/17 sl be	97495100 sl,hg,es
3930345 AtAc 326-0/17 sl be	19678894 cb,be	5581531 Ac 322-0/20 st be	66163517/L At 218-18/18 GL06	81113599 AcAt 437-0/21	98179813 he
4037598 At 425-0/16 he,sl	19709571 Sx(At) 535-0/17 sl be	55253616 Ac 320-0/18 he,st	66835396 At 426-0/16 he,sl	81875038 hg,sl	98648660 AtAc 424-0/16 sl,be,rz
4115426 sl be	20039331 At 327-0/16 he,sl	55708770 es	67095309 At 322-0/14 hg,sl	83129081 he	99118542 At(Ac) 425-0/16 sl be
4339898 hg,es,sl	20476311 SxAt 435-0/18 sl be	55886051 Ac 322-0/20 sl be	67425080 At 322-0/20 st be	84373978 At 322-0/14 br	
4384161 rs	20503900 st be	55945668 hg,sl,es	67924976 Ac 322-0/20 st be	85135021 es,be,sl	
4710337 CL	20506383 SxAt 435-0/19 st be	5629461 st be	67935350 At 426-0/16 he,sl	85969049 es	
5224958 At 320-0/18 sl,be,es	20524419 AtAc 434-0/18 sl be	56575044 Ac 322-0/20 st be	68255183 Ac(At) 635-0/18 sl be	86970053 AtAc 322-0/16 sl be	
5520332 AtAc 321-0/17 hg,sl	20597661 At 420-0/13 hg,sl	56707734 es	68455279 hg,es,sl	87058631 AtAc 431-0/17 st be	
6158475 Sx(At) 436-0/20 sl,bl,by	20759862 cb,be	56708631 AtAcEp 323-0/18 st be	68655017 Ac 322-0/20 st be	87575113 At 421-0/16 hg,sl,es	
6764782 es,bg	20778023 At 326-0/16 sl be	57075366 es	○ 2 68934255 GL98	87980210 At(Ac) 327-0/19 sl be	
6814666 es,sl,bg	21727051 Ac 325-0/18 st be	57244972 Ac 322-0/20 st be	69513546 he	88254734 Ac 747-0/21 sl	
7630178 hg,es,sl	22108945 At 526-0/14 he	57366509 At(Sb) 420-0/14 sl be	70123568/L At 218-18/18 GL06	89150211 AtAc 320-0/17 hg,sl,es	
7960132 AtAc 325-0/17 sl be	22297419 At 320-0/14 hg,sl	57525064 Ac 322-0/20 st be	○ 2 70704143 AtSwAcEp 112-17/17 GL98	89480179 AtAc 326-0/18 sl be	
8299009 At 426-0/16 sl be	23505453 At 536-0/16 he	5795710 hg,sl,es	○ 2 71144432 GL98	89839148 At 320-0/18 sl be	
9059236 Sx(At) 535-0/17 sl,be,by	23665362 hg,sl	58239724 AtEpSb(Ac) 423-0/16 sl be	○ 3 71674146 SwEp(At) 212-17/17 GL93	90026855 SxAt(Ac) 534-0/16 he,sl	
9753904 Ac(Sw) 646-0/19 sl	25134268 AcSx 845-0/21 sl be	58454876 st be	○ 2 72014243 GL98	92150217 At(Ac) 326-0/19 he,sl	
10569723 At 320-0/15 hg,sl,es	25584271 hg	58685030 Ac 322-0/20 st be	72095169 Ac 635-0/17 sl be	92843767 At 323-0/14 br	
10783824 he	4847911 At 436-0/17 he,sl	59219329 At(Ac) 424-0/15 sl,be,ur	72329640 At 537-0/15 sl be	93518724 At 325-0/18 sl be	
11023855 AtAc 338-0/20	49998801 es	59885525 AtAc 320-0/15 hg,sl,es	72875283 AtAc 423-0/16 sl be	93589064 At 324-0/18 sl be	
11098548 At 326-0/16 sl,hg	50079644 At 320-0/18 sl be	60015387 hg,es,sl	○ 2 73134142 AtSwAcEp 112-17/17 GL98	93759839 At 327-0/18 sl be	
11604458 sl be	50347677 hg	60518825 AtAc 326-0/17 he,st	○ 2 73744205 GL98	94005472 At 420-0/16 sl,hg	
11939563 At 326-0/16 sl,hg	50597427 Sb 516-0/6 by,bl	61465457 At 321-0/15 hg,sl	74445157 hg,es,sl	94095950 At(Ac) 325-0/17 sl,hg	
12587125 At 426-0/16 sl be	51547716 At 536-0/15 he,sl	61714971 st be	74445219 AtAc 423-0/15 sl,be,es	94146358 AtEp 424-0/17 sl be	
12598810 At 325-0/18 he,sl	51615777 At(Sw) 435-0/19 by	62043493 AcAt 327-0/17	74615743 he,sl	94595775 es	

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