Vegetation Map

094A029

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
- 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 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	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

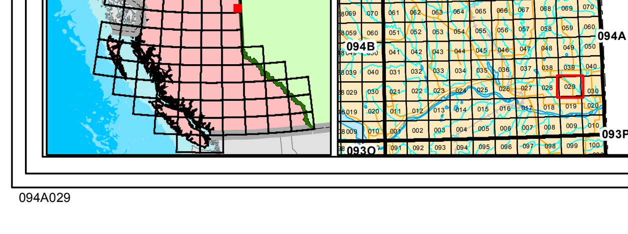
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

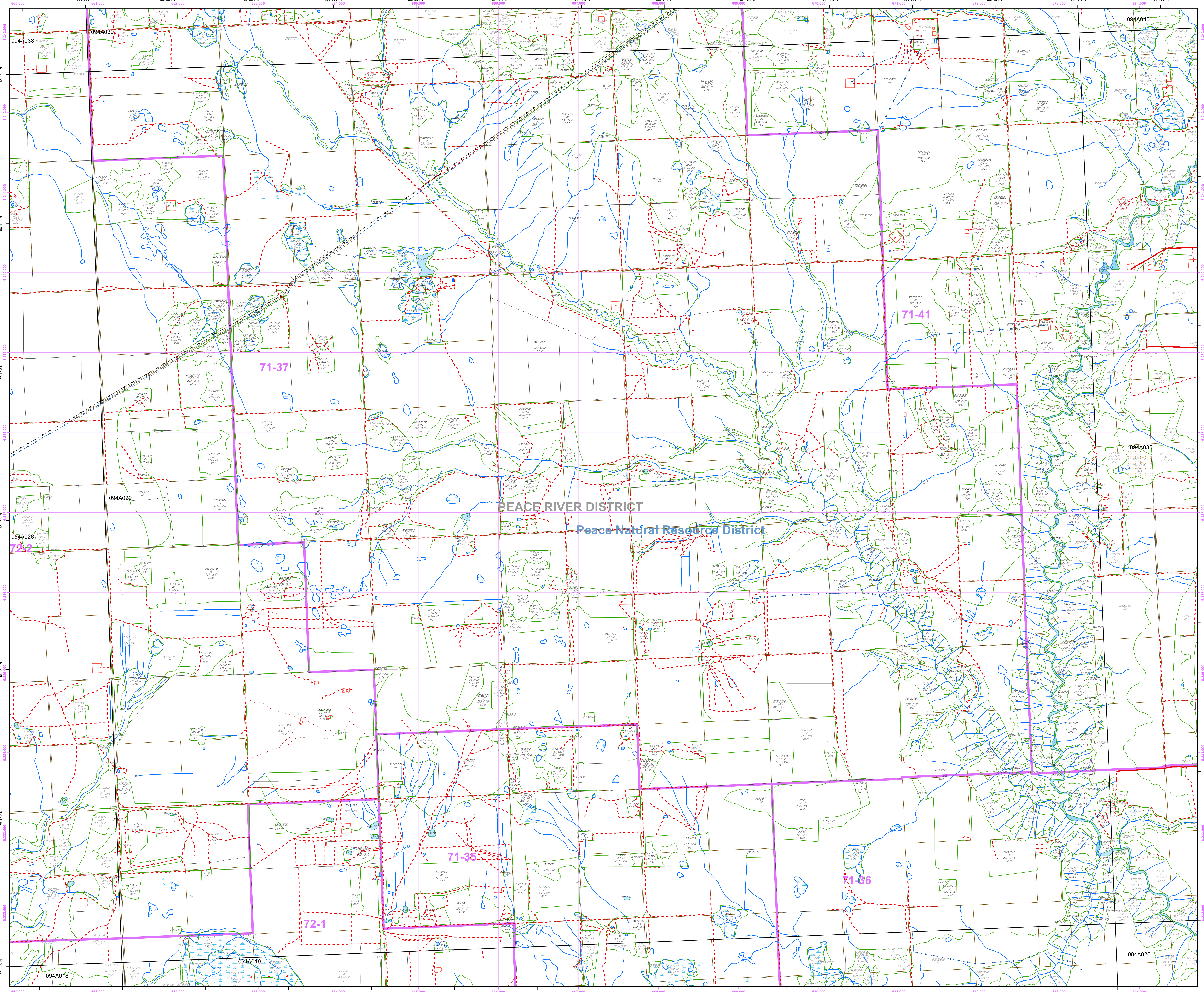
A Animal Damage	L Logging	R Site Rehabilitation
B Wildfire	M Mite Damage	T Treatment Injuries
C Cone and Seed Insects	N Non-Biological Injuries	U Damage Unknown
D Diseases	P Cone and Seedling Fungal Pathogens	V Problem Vegetation
I Insects		

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

19762249 At/Ac 435-0/17 st he	40695429 Sb 414-0/6 st be by	59776045 he ur	75526131 At(AcEp) 325-0/19 st he	87433443 Sx(At) 435-0/19 st be by es	88186035 At 320-0/17 he sl es	93371278 At 430-0/16 hg sl
19932404 he	41315548 st he	60671637 At 427-0/16 he sl	75994314 At 426-0/17 st he	87454618 AtSx 325-0/16 st he	88374801 Sx 735-0/16 st he	
20461301 At(Ac) 422-0/17 st he	41326358 he sl ur	61397360 At(EpSxAc) 425-0/15 st he	76066210 he	87494993 Sx(Ac) 435-0/17 st be by	88575031 At 326-0/17 st he	
20611088 he	41374326 At(Sx) 325-0/16 st he	63106427 At 427-0/16 he sl	76843322 At 320-0/12 hg es sl	87863449 AcSx(At) 433-0/16 st he	88651402 At 327-0/16 he sl	
21034103 At 326-0/16 st he	41463103 es	63606274 At 427-0/16 he sl	77612960 At 321-0/12 hg sl es	87896039 At 435-0/16 st he	89714889 At 324-0/16 st be es	
21652423 AtAc 325-0/15 st he	41535247 AtSx 425-0/15 he sl	64144571 At 325-0/16 st he	77894755 he	87923906 Ac 320-0/21 st he	89755457 At 325-0/17 st he	
24695034 At(EpSx) 326-0/18 st he	41741769 At 425-0/15 st he	64274532 At 321-0/16 he sl es	78293520 At 422-0/17 he sl	87965512 At 323-0/18 es sl he	89755665 AtAc 425-0/16 st he	
24900734 es	42074088 At(SxSbAc) 326-0/16 st he	64284884 Ac(At) 434-0/17 st he ri	78353307 At 320-0/12 hg es sl	87987274 At 324-0/17 st he	89794993 At 325-0/16 st he es	
25480618 At(AcEp) 534-0/17 st be by	42926791 At 326-0/18 he sl	64586938 At 326-0/18 he sl	78365373 he sl es	88093273 Sx 430-0/18 hg sl	89801886 SxAc 534-0/16 st he	
25566970 Sb 314-0/10 st be by	44387197 he	64683035 At 427-0/15 he sl	78423110 Sx 535-0/17 st he	88094630 At(Sx) 324-0/15 st he	89815334 Ac 320-0/16 st he	
25855131 he	44887061 he	64857176 At 327-0/18 he sl	78932000 AtEp 321-0/17 st he	88155387 es	89815519 At 326-0/17 st he	
25887023 he	46327124 At 434-0/16 st he	64884345 At 326-0/17 st he	78963290 At 324-0/14 hg sl	88233714 Ac 323-0/17 st he	89821676 At 321-0/12 hg sl es	
27076952 Sb 314-0/10 st be by	47886721 At 320-0/15 he	66444698 At 321-0/16 he sl es	79132474 AtSx 325-0/16 he sl	88255184 At 323-0/18 es sl he	90021108 At 536-0/17 he	
28463792 AtAc 325-0/16 st he	48612589 AtAc 426-0/16 he sl	66604282 At 321-0/16 he sl es	79214795 he	88274139 SxAc(At) 745-0/16 st he	90075203 At 326-0/17 st he	
28530574 Sb 414-0/9 by st he	48622382 At(AcEp) 325-0/16 st he	66664457 Ac(At) 434-0/17 st ri he	79392554 At 321-0/12 hg sl es	88275119 SxAc 433-0/17 st be es	90232001 es	
30060713 At 436-0/15 he sl	49547281 At 437-0/16 he sl	66804837 At 326-0/16 st he	80635836 At 326-0/16 he sl	88303770 st he	90284912 At(Sx) 325-0/17 st he	
31186225 At(Sx) 436-0/16 he sl	49897206 At 327-0/15 st he	66864003 At 324-0/14 st he	80811301 At 326-0/14 he sl	88313822 st he	90421098 es	
32131515 es	50260861 At 324-0/18 st he	67327256 At 327-0/18 he sl	80824522 At 427-0/16 he sl	88332382 AcSx 632-0/17 st he	90452293 At 326-0/18 he sl	
32321535 es	50327238 At 436-0/16 he sl	67451479 At(Ac) 436-0/17 he sl	81447188 At 325-0/16 st he	88382692 Ac 323-0/17 st he	90712220 At 320-0/17 hg sl	
32635633 Ep(At)Ac 316-0/11 st he	51315462 At 426-0/16 he sl	68675250 At(Ac) 324-0/16 he sl	81802877 At 326-0/17 he sl	88391946 Sx(Ac) 634-0/17 st he	90773277 At 434-0/17 st he	
33113634 At(Sb) 321-0/18 he st by	51613167 At 325-0/16 st he	68704124 At 327-0/16 he sl	81855797 At 326-0/17 he sl	88514949 es st he sl	90864253 At 326-0/17 he sl	
34735899 Sb(At) 314-0/7 st be by	52976942 At 436-0/16 he sl	69827435 At(Ac) 326-0/15 he sl	82057256 he	88555922 AtAc 535-0/17 st he	90911119 At(Sx)Ac 535-0/18 st be ri	
36392227 es	53852195 At(AcEp) 325-0/16 st he	69843939 Sx(At) 535-0/17 st he	82357357 At(Ac) 425-0/17 st he	88562728 Ac 320-0/20 st he	91143798 At 326-0/17 he sl	
36585023 At(Sx) 426-0/16 he sl	53922019 At(AcEp) 326-0/16 st he	69956888 he	83153168 Ep(At)Ac 326-0/13 st he	88712473 Ac 324-0/18 st he	91163967 At 326-0/17 he sl	
36936136 At 426-0/16 he sl	53926701 At(Sx) 436-0/16 he sl	70245644 AtAc 321-0/16 st he	84303875 At 324-0/17 he sl	88722838 Sx(Ac) 635-0/16 st he	91302897 At 420-0/16 st he	
37617105 At 320-0/15 st he	53967188 AtSxAc 324-0/16 st he	72105176 At(Ac) 324-0/17 he sl	84914501 he	88774864 SxAtAc 635-0/15 st he	91632069 At 320-0/14 hg sl es	
37843945 At 327-0/19 he sl	54315381 AcSxAt 433-0/17 st he ri	72135344 At(Ac) 324-0/16 he sl	85682499 At 326-0/18 he sl	88852151 AcSx 632-0/17 st he	91791493 At 327-0/16 he sl	
37934062 At(Sx) 327-0/19 he sl	54401249 At 324-0/18 st he	72403944 At 321-0/16 he sl es	86477463 At 325-0/19 st he	88895227 SxAt(Ac) 534-0/16 st he	91821708 Sx(Ac) 636-0/18 st he	
38085067 At(SbEpAc) 324-0/17 st be by	54462429 es	72826813 At 324-0/17 st he	86564723 Sx 635-0/15 st he	89006067 At 430-0/16 he sl ur	91882749 At 424-0/16 st he	
38764518 Sb 626-0/8 by sl bl	55933349 At 425-0/16 st he	73134270 At 426-0/15 st he	86612130 At(Sx) 324-0/16 hg sl	89042060 SxAc 632-0/16 st he	92351973 hg sl es	
39172079 At 425-0/15 st he	57713673 At 424-0/16 st he	74351583 Ac 432-0/17 st be ri	86714972 At(SxAc) 424-0/17 st he	89116226 At(Ac) 325-0/17 st he	92491097 At 536-0/17 he	
39970717 At 537-0/15 he	58401395 At(Ac) 325-0/17 st he	74416166 At 325-0/16 st he	86832372 At 321-0/15 he sl	89122192 AcSx 530-0/16 st he	92631496 Sx(At) 434-0/18 st he	
40354249 Ep 320-0/15 st he	58795188 At 326-0/17 st he	75193817 es	87212178 At 327-0/18 he sl	89175484 Ac 321-0/20 he sl	92735552 Sx(Ac) 745-0/17 st he	
40356392 At 530-0/16 st he	59075675 he	75235035 At 326-0/15 he sl	87424850 es te sl	89182786 At 420-0/17 st he	93271138 At 430-0/16 hg sl	