Vegetation Map
093P054

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

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

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

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

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

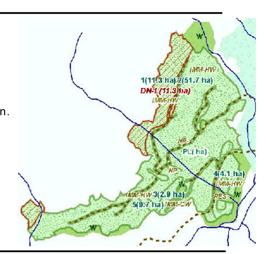
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

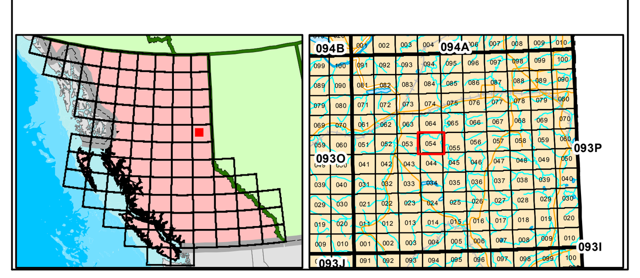
Example Opening History Details

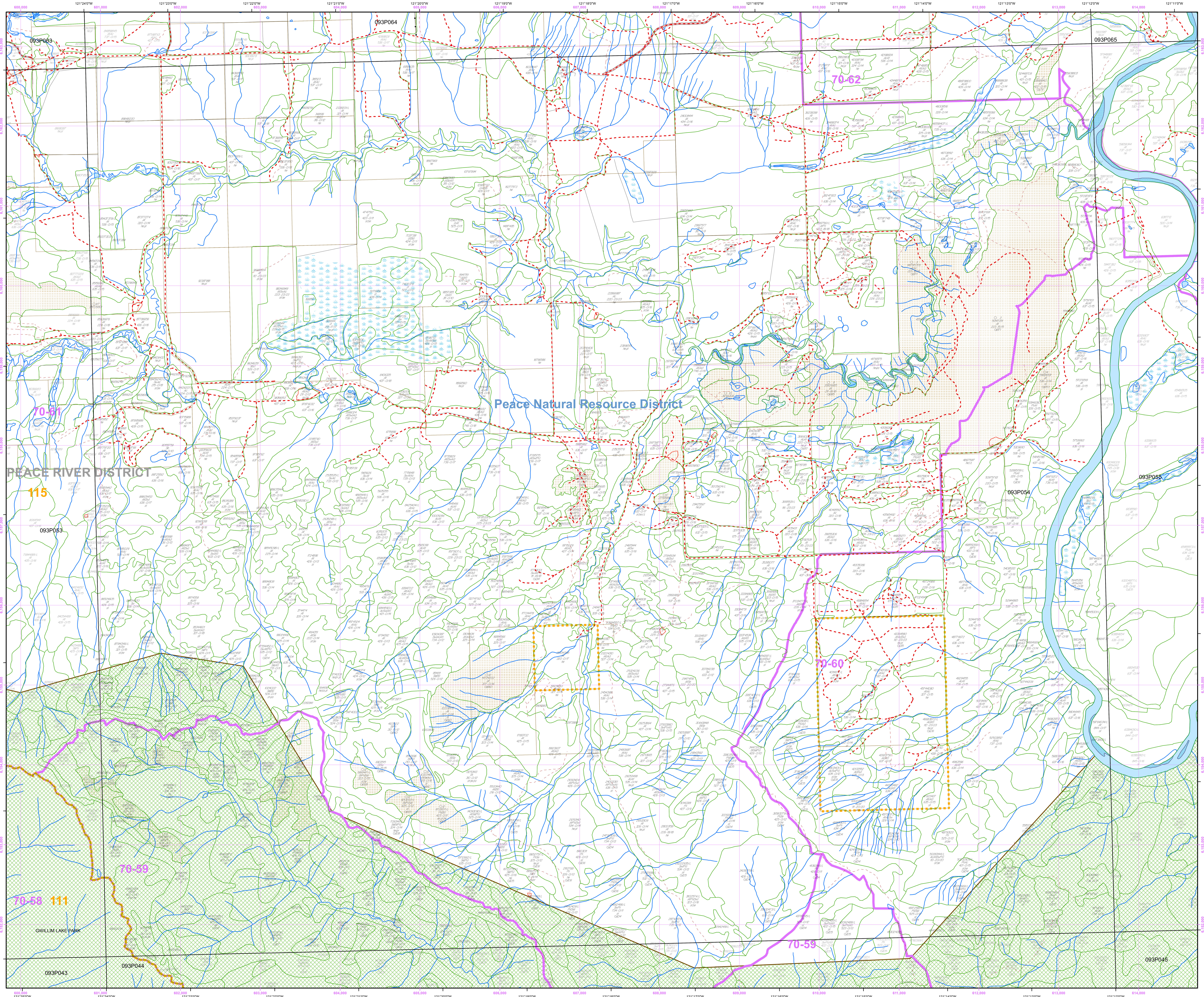
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH







Overflow Labels

○11 143639 Bl(Se)Pl(i) 214-15/15 he sl GB60	22325052 At(Ac) 437-0/16	43376443 At(Ac) 437-0/16	59712763 At 224-0/16 st	95155262 At 121-23/23 st be
16652 Pl(Sw)At(Sb) 426-0/14 he	22867266 At 327-0/17	43406024 Ac 221-20/20 he sl	60173863/L Ac 845-0/16 sl	95713803 Se(Pl)(Bl) 425-0/12 sl be
176340 Sw 214-17/17 he sl	24777415 At 426-0/15 he	44546626 AtAc 223-0/15 he es	○X7 84726901 At 213-4/4 he GB71	97376439 Sw 422-0/13 sl be la
5523714/L Se(Pl) 523-0/12 es GL07	25714654 At 635-0/15 sl	45007821 At 526-0/14 he	84926065 At(Ac) 636-0/17 sl be	98055213 At 536-0/14 sl
2283941 Se(Pl)(Bl) 425-0/10 sl be	25748730 Ac 321-0/17 sl be GL06	45276610 AtSwAc 536-0/15	85056273 AcAt 220-23/23 he sl	98295390/L AtAc 126-23/23 sl
3617906 At 426-0/13 he	26786178 Sw 736-0/13	45302439/L Pl(Sw(At)) 633-0/13 sl GL05	85227303/L At 536-0/15	99128256 At 320-0/15 he sl
3795709 At 421-0/15 he sl	28096216/L At 634-0/17	45546952/L At(Sw) 532-0/15 he sl rs	86045674 At(Ac) 636-0/17 sl be	
4112149/L Se(Bl)(Pl) 525-0/12 sl GL08	28215330 At 536-0/15 sl	45897465/L At(Sw) 532-0/15 he sl rs	86207384 AtAc 226-23/23 st be	
4162917 Se(Pl)(Bl) 323-0/17 he sl GL06	28935057 At 327-0/19	46307119 At(Sw) 536-0/15	86214174 At(Se(Pl)) 423-0/12 sl	
4218117 At 536-0/14 he	29217347 At 220-20/20 sl	○3 46627922 AtAc 223-18/18 GB71	86434286 At(Ac) 325-0/14 sl	
5474002 SeAt(Bl)(Pl) 324-0/15 sl ta	29305850 Ac 320-0/16 he sl	47024945 At 327-0/15	86543873 Se(Bl)(Pl) 313-0/12 ta sl he	
7873977 Se 321-0/14 ta	30566221 At 226-20/20	47725698 At(Pl) 430-0/18 he sl	86624051 AtSe 525-0/12 sl	
8274174 Se(At)(Al) 635-0/12 sl	30824811 At 328-0/16	48035512 At 328-0/17	86656248 he	
9028711 At 437-0/16 he	32204967 At 220-23/23 he	48472450/L Pl(i) 624-0/13 sl GL04	86693381/L Se(Pl) 421-0/12 he GL08	
10303838 At(Bl) 320-0/12 st be	32208865 Ac 321-0/17 sl be GL06	49438350 At 421-0/15 sl be	○13 87133295/L Bl(Se(Pl)) 331-0/20 sl GB08	
10767894 At(Lt) 223-23/23 st be	32596140 At 221-0/15 he sl GL76	52216209 At(Pl) 326-0/15 he	87296943 Sb(Lt) 425-0/9 sl be	
12606672 At(Ac) 321-0/14 sl be	32942419/L Pl(Sw) 523-0/12 sl GL04	52345623/L At(Pl) 633-0/17 he	88033962 Se(Pl)(Bl) 425-0/12 st	
13912215/L Sw(Pl) 734-0/11 GL06	33857122 Lt(Sb)At 526-0/11 he	52564505 At 225-18/18 es be	88083002 Se(Pl)(Bl) 626-0/10 sl	
14235158 At(Ac) 224-23/23 sl	34948885 Ac 321-0/17 sl be GL06	52606420 At(Pl) 226-0/15 he	88107236 At 326-0/15	
14842438/L Se(Pl)(Bl) 424-0/13 sl be GL05	35344703 At 427-0/15	52744209 At 225-18/18 es	88116201 he sl	
16667998 At(Ac) 536-0/14 sl be	35778060/L At 431-0/16 he sl	52872475/L Pl(i) 524-0/14 sl GL05	○13 88233491/L Se(Pl)(Bl) 311-0/14 sl be GB08	
17117595 At 426-0/15 he	36156746/L Ac 634-0/16 sl	53578986 he sl	88396106 AtAc(Sw) 437-0/16	
17554078 AtAc 327-0/16	36646567 AtAc 225-20/20 he sl	54415180 At 426-0/13 he	88396162 Sw 524-0/12 sl	
18613983 AcAt 226-23/23 he	36715785 SwAt(AcSb) 326-0/16 he	54908099/L Pl(At) 635-0/15 he GL06	89427315/L AcAt(Sw) 531-0/14 he sl	
18854859 At 327-0/17	37147431 Sb(Lt)(Pl) 426-0/9 sl be	55416890 At 426-0/13 he	89907281 At 526-0/14 he	
19306097/L AcAt 432-0/17 sl be	37155992 At 427-0/14	55586810 At 227-20/20	90446265/L AtAc 533-0/15 he	
19865335 At 128-27/27 GL96	39318905 AtAc 437-0/16	55977555 At 228-0/16	90498527 AtAc 427-0/15	
20796916 At(AcSw) 435-0/16 sl be	39505945 SwAcAt 527-0/12	57338067 At 637-0/16	91576298 he	
20973888 At 111-23/23 he	40126106 At 228-20/20	57597983 At 637-0/16	92152156/L Se(Bl)(Pl) 525-0/12 sl GL05	
21584397 At 327-0/15 sl	42266480/L AcAt 124-24/24 he sl	59445001/L At(Pl) 635-0/16 GL05	92206274 AtAc 435-0/16 sl be	
2164610 he	42604147 At 430-0/16 sl	59574316 At 210-0/12 es sl be	93203683 Pl(Bl) 313-0/10 he sl	
21885233 At 328-0/15	43366488 AtSwAc 536-0/15	59664732 At 636-0/14 sl	94483904 SeAt 210-0/16 ta sl	