Vegetation Map
093P085

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
rn 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.

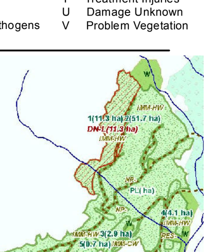
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

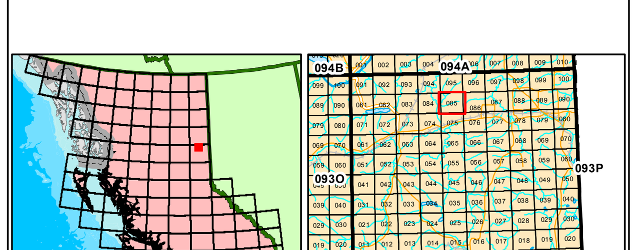
Example Opening History Details

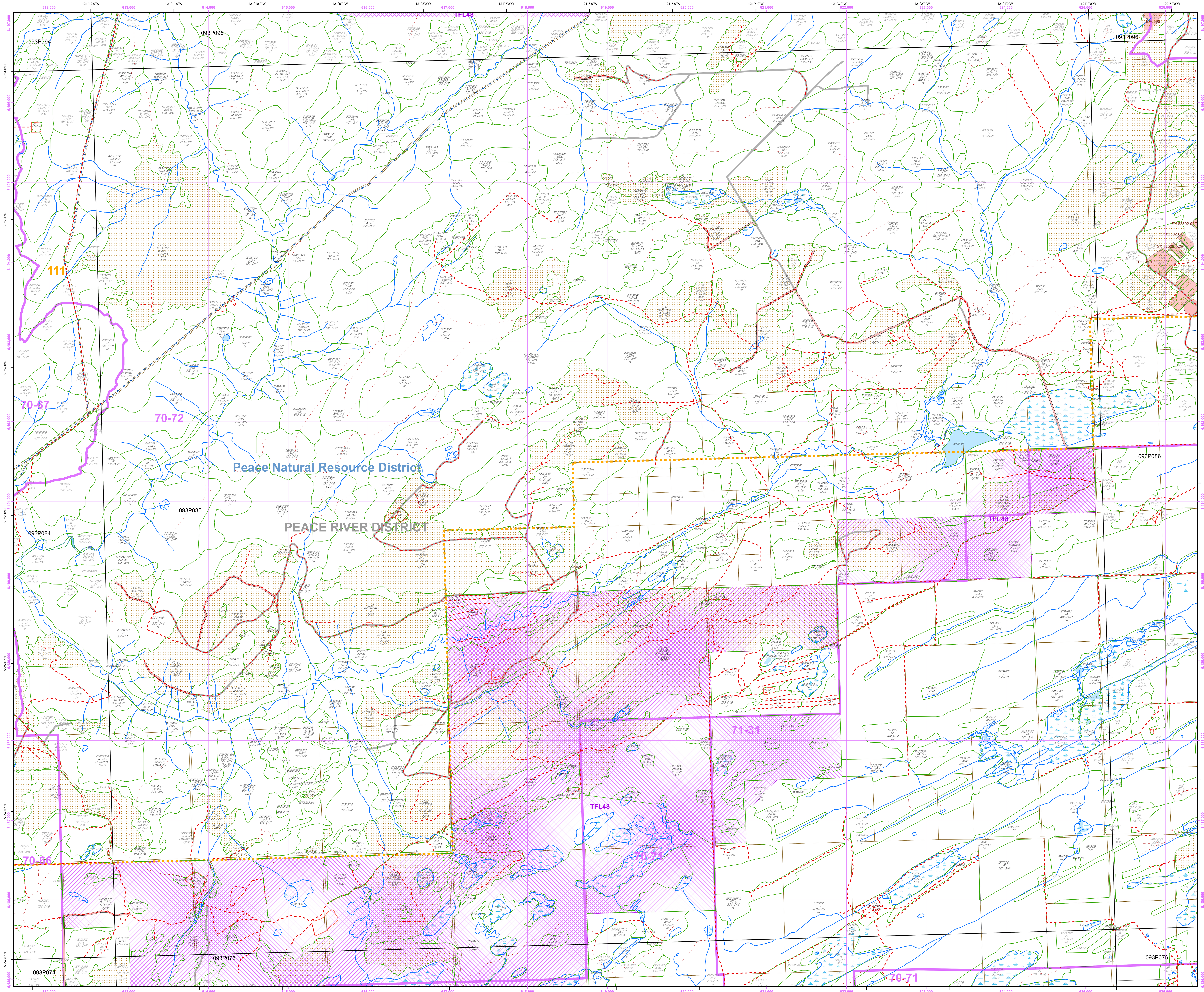
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

1636527 Sw(At) 735-O/14 he	55342693 Sw(Ac) 111-12/12 GL00	70557674 sl	○ 46 86384225 At(Sw) 536-O/15
4865213 SxAtAcb 111-18/18 GL02	○ 41 55684456 AcbSw(At) 111-18/18 GL92	70877478 Sx(Pl) 111-18/18 GL93	87252463 Sb(At) 522-O/10 he sl
○43 5027404/L AtSw 324-O/13 st he GL79	○ 41 56454572 AcbSw(At) 111-18/18 GL92	71179750 sl	88731949 At(Sb) 327-O/15
5845236 AcbAt(Sx) 112-18/18 GL02	56592336 At 536-20/20	72067495 Pl(Sx 212-18/18 GL93	88745350/L At 632-O/17
7126175/L At(Sb) 211-O/10 he sl	○ 41 56774284 At 212-20/20 GL92	72083135 hf	○18 88817785 SwAc 635-O/14 st he GL75
7422882 AtSw(Sb) 326-O/18 he	○ 41 58204496 AcbSw(At) 111-18/18 GL92	72437382 Pl(Sx 212-18/18 GL93	88975308 Sb(At) 412-O/8 he sl
7495628 At(Sx) 111-18/18 GL02	○ 41 58584424 At 212-20/20 GL92	73812674 AcbAt(Sx) 112-18/18 GL02	89175441 he sl
8675623 At(Ac) 114-12/12 GL02	○ 41 58604285 AcbSw(At) 111-18/18 GL92	74206216 At 115-20/20 GL03	89354027 AtSw 233-18/25 GL02
14356107 AtSx(Acb) 112-18/18 GL02	○ 41 58854589 AcbSw(At) 111-18/18 GL92	74356328 At 115-20/20 GL03	89965184/L At 631-O/17
16202970 st he	59033721 At(Acb) 112-18/18 GL07	74752600 sl	○ 46 90034913 At(Sw) 536-O/15
18243050 At(Ac) 527-O/14	○ 41 59034341 AcbSw(At) 111-18/18 GL92	76086429 At(AcbSx) 114-20/20 GL03	○ 46 91274992 At(Sw) 536-O/15
18306773 At 730-O/17 he	○ 59 59245872 At 114-18/18 GL05	77667017 SwPl(Ac 635-O/12 st	91348891 he sl GL63
18376641 SbSw(At) 524-O/8 he sl	59810676 At(Ac) 112-18/18 GL07	○ 46 78303896 At(Sw) 536-O/15	93243290 AcbAt(Sx) 112-18/18 GL02
18456556 Sb(Lt) 514-O/6 he sl by	60293535 At 636-O/17	78397117 SwPl(Ac 635-O/12 st	93283620 AcbAt(Sx) 112-18/18 GL02
18556446 LtSb 511-O/5 sl he by	60783230/L At(Ac) 635-O/17	78408891 SbAt(Ep)Ac 337-O/20	93394137 At 327-O/18
18676283 AtAc 420-O/13 he	61322958 At 325-O/19	78665714 Sw 111-18/18 GL93	95504319 gp
18772673 At 326-O/18 he	○29 62173424 Sw(At) 214-15/15 sl he GL91	○ 46 78734736 At(Sw) 536-O/15	95743920 AtSw 233-18/25 GL02
18786370 AtAc(Sx) 214-13/13 he sl	62383567 At(Acb) 112-18/18 GL07	○52 79235288 st he G	95774080 AcbAt(Sx) 112-18/18 GL02
18916017 At(Ac) 425-O/15 sl	62503478 At 636-O/17	79857269 AcSw 743-O/18 sl	97983581 At 225-O/19 he
19425260 AtAc(Sw) 322-O/15 st he	62693946 AtSw(Pl) 637-O/17	80203458 AcbAt(Sx) 112-18/18 GL02	98525228 AtAc(Sw) 536-O/17
19954047 AtAc(Sw) 214-12/12 he sl	○2 62943065 sl he GB76	80473640 sl	99183937 AtSw 233-18/25 GL02
20034318 he sl	63302980 At 326-O/18	○52 80715163 st he G	99923744 AcbAt(Sx) 112-18/18 GL02
20493722 Sb 410-O/8 he sl	63633058 SwAt 735-O/14	80963639 AtSw 233-18/25 GL02	99984669
20583604 AtAc 425-O/14	64983129 Sx(Act) 211-15/15 GL90	○ 17 81826057 AtSx(Pl) 223-18/18 GL75	
20753385 AtAc 425-O/14	○ 8 65052683 GL02	○ 17 82247992 At 832-O/14 GL75	
21122669 At 326-O/18	65338631 SwAt(AcEp) 636-O/15 sl	82747539 AcSw 743-O/18 sl	
21482656 Sb 315-O/7 st he	65372893	83877395 AcSw 743-O/18 sl	
44697522 AtSx(Ac) 523-O/13 he sl	67008837 AtEp 326-O/18 sl	○ 17 84708044 At 832-O/14 GL75	
46704457 AtAc 635-O/17 he	○ 50 67355564 Acb 113-18/18 GL03	84863506 AtSw 233-18/25 GL02	
50762255 SwAt(Acb) 111-20/20 GL00	○ 46 69442575 At(Sw) 536-O/15	85313492 sl	
52842730 At 536-20/20	69563812 AtSw(Pl) 635-O/17 sl	85493854 sl	
53892494 Sw(Acb) 111-12/12 GL00	70197479 sl	○ 17 85857970 AtSx(Pl) 223-18/18 GL75	
○ 41 54914735 AcbSw(At) 111-18/18 GL92	○36 70423007 AtAc 115-20/20 GL90	85955302 he sl	