BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093P069

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)	4b HEIGHT CLASS CODE	LIMITS (metres)	4c CROWN CLOSURE CLASS CODE	LIMITS (percentage)
				0	0 - 5
1	1-20	1	0.1 - 10.4	1	6 - 15
2	21-40	2	10.5 - 19.4	2	16 - 25
3	41-60	3	19.5 - 28.4	3	26 - 35
4	61-80	4	28.5 - 37.4	4	36 - 45
5	81-100	5	37.5 - 46.4	5	46 - 55
6	101-120	6	46.5 - 55.4	6	56 - 65
7	121-140	7	55.5 - 64.4	7	66 - 75
8	141-250	8	65.5 +	8	76 - 85
9	251 +			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
ll 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.

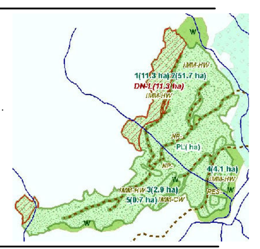
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

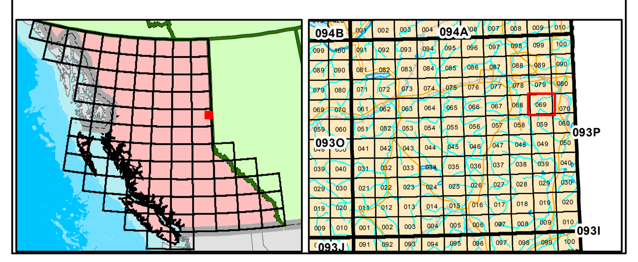
Example Opening History Details

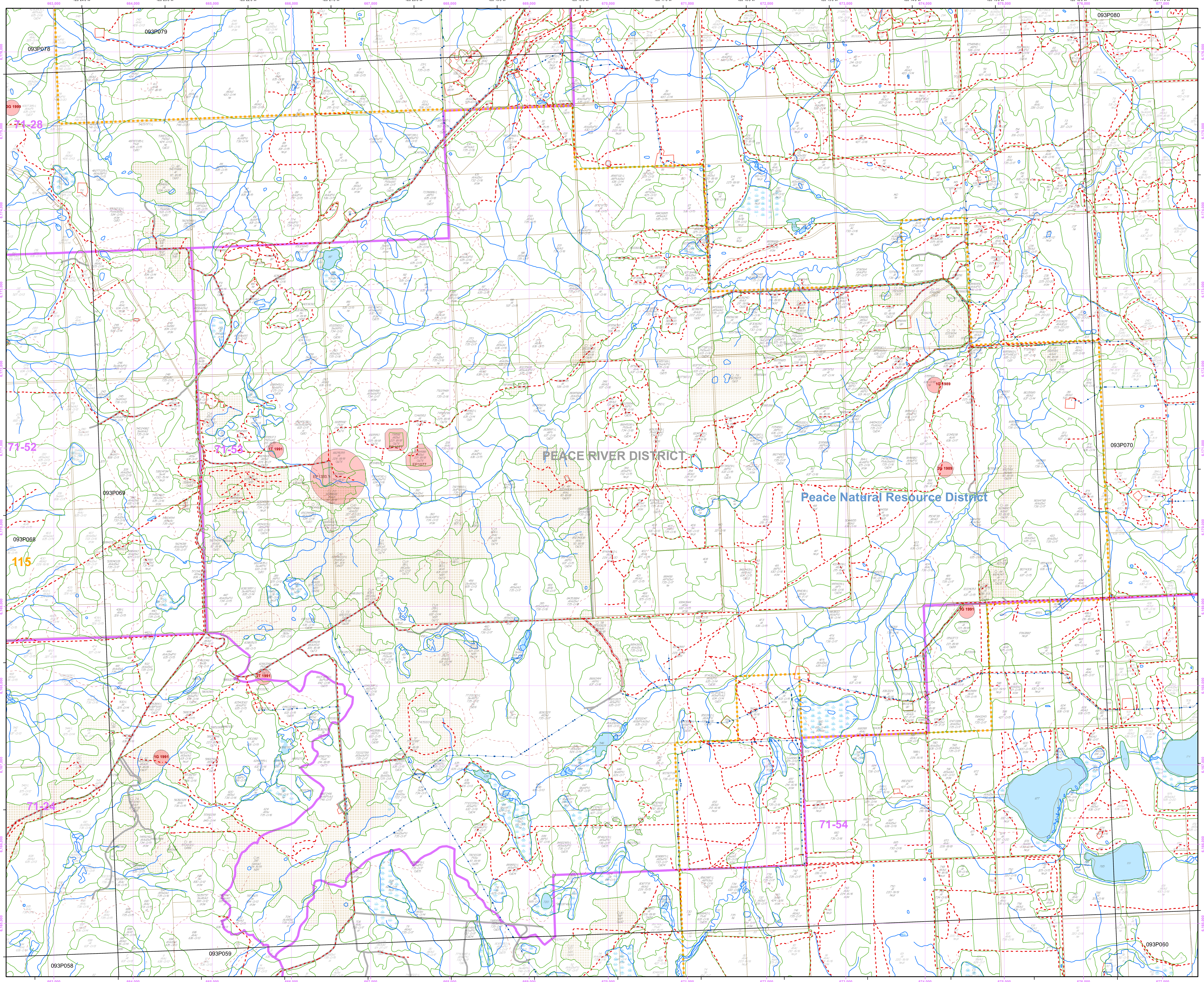
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

13 AtAc 635-O/18 he	305 AcAt(SwPl) 323-O/17 he st ri	738 Sw(Sb) 422-O/17 he sl	○ 39 50914230 GL93	72382776 At 736-O/16
28 At 424-O/14 st rz	311 At 212-12/12 he sl	747 At 325-O/17 he	51122586 At(Pl) 735-O/15 sl	73282675 he
38 AtAc 636-O/14	323 EpAc 222-20/20 sl	753/L At 214-18/18 he	51402439 AcAt(Sw) 736-O/16	73753101 Pl(SwAt) 635-O/16
41 SwAcAt 631-O/14 st he	325 Sw(AcAt) 736-O/11	767 At(Ac) 635-O/13	51571963 At 636-O/14	74053004 AtSw(AcPl) 735-O/17 he
45 At(AcPl) 536-O/14	330 AtAc 630-O/13 st he	○5 905/L AtAc 631-O/14 NSR GL74	52771886 AtSw(Ac) 637-O/14	78795526 he sl
46 At 215-14/14 he	352/L AtAcPl(Sw) 324-O/12 sl	○5 907/L AtAc 631-O/14 NSR GL74	54257177/L PlAt 526-O/14 GL04	○ 43 79905529 At 115-18/18 GL96
51 At 327-O/14	374 At(Pl) 525-O/12	○5 908/L AtAc 631-O/14 NSR GL74	54642056 AtSw(Ac) 637-O/14	84175698 he sl
55 At(Pl) 536-O/14	377 AtAc 635-O/13	○21 912/L AtAc 632-O/14 NSR GL72	○ 68 55216874 At 538-O/15	85031746/L Sb(Pl) 625-O/8 GL05
57/L 225-20/20 he sl	416 At(Pl) 636-O/15	○26 931 NSR GL90	○ 74 55801991 GL08	87006535 At 221-20/20 GL92
72 At(AcPl) 425-O/13	437 At 327-O/14	1386071 At(Sw) 736-O/17	56853221 SbSw 724-O/8 he sl	87142310 PlSxAt 212-18/18 GL91
74 AtAc 536-O/14	439 At 327-O/15	3405346 At 116-18/18 GL02	57616483 At(Pl) 224-18/18 GL85	88336634 AtAc 636-O/15
75 At 333-O/20 he	458/L AtAcEp(PlSw) 225-20/20 st he GL74	3841542 AcbAt 115-18/18 GL02	58093165 PlSxAt 213-18/14 GL73	88693622 At 324-O/15 he sl
76 AtAc 637-O/16	484/L Ac(At) 216-18/18	4925840 At(AcPl) 625-O/12	58786557/L PlAt 534-O/15 GL04	89643857 At(Pl) 737-O/17
77 AtAc(Pl) 636-O/14	489/L AcAt(Ep) 216-18/18	6096055 PlAt 213-18/18 GL87	58852883 At(Pl) 327-18/13 GL74	89682306/L AtSw(Pl) 736-O/17 GL05
119 At 326-O/13	497 AtAc(Sw) 736-O/16	6326159 At 736-O/17	○ 71 58064334 AtAcb 538-O/19	89821551 At 221-20/20 GL92
120 AtSw(PlAc) 536-O/14	498 At 316-O/11	6936338 At 736-O/17	59492932 AtSx 223-18/20 GL74	89922190/L AtSw(Pl) 736-O/17 GL05
128 At(EpAc) 326-O/15	○38 545 At 214-11/11 he sl GL91	7643107 AtAc 731-18/17	59693276 PlSxAt 213-18/14 GL73	90531555 AtAcSwSb) 735-O/16 st
○2 130 SwPl 211-15/15 GN71	550 Sb 720-O/9 he	7684900 gp	59784520/L AtSw(Pl) 834-O/17 GL10	92275672/L At(Pl) 633-O/15 st he GL05
○2 134 SwPl 211-15/15 GN71	○26 562 NSR GL90	8555991 At 636-O/17	60236391 At(Pl) 224-18/18 GL85	93575944/L SwPl 634-O/17 GL04
139 AtAc(Sw) 633-O/14 he sl	○26 564 NSR GL90	8913551 AtAcb 221-18/18 GL89	61175598 Sw(At) 211-18/18 GR91	97885664 At 228-18/18 GL87
150 At 334-O/22 he	○26 566 NSR GL90	9703400 At 112-18/18 GL08	62003210 PlSxAt 213-18/14 GL73	97885396/L At(Pl) 636-O/14 GL06
152 AcAt 321-O/18 he	579 AtSb 325-O/12	10016243 At 636-O/17	63103033 Sb 612-O/6 he sl	98345861 At 228-18/18 GL87
157 AtAc 325-O/17 he	609 At 637-O/15	10923409 AtAcb 112-17/17 GL08	63766179 Sw 111-18/18 GR91	99985956 sl
164 Sb(At(Sw) 614-O/6 he sl	628 Sw 630-O/15 he	10983189 At 112-18/18 GL08	○ 70 63844762 PlAcb 538-O/16	
166 Sb(SwAt) 826-O/8	650 Sb 713-O/5 he sl	11766340 At 636-O/17	64206092 Sw(At) 211-18/18 GR91	
168 AcAt 635-O/14	658 AtSw(Ac) 324-O/14 he sl	11853814 AtAcb 221-18/18 GL89	64852709 Sb 612-O/6 he sl	
169 AcAt 635-O/16	682 At 534-O/14 he	12346364 AtAc(Pl) 746-O/19	○ 70 65044609 PlAcb 538-O/16	
170 AcAt 635-O/16	684 At(Ac) 430-O/16 he	12666361 At 113-18/18 GL02	65332509/L Sb(Pl) 614-O/6 GL05	
176 AcAt(SbPl) 325-O/16	686 At 637-O/13	13036035 AtAc(Pl) 746-O/19	67303025 Sb 422-9/11 GL75	
228 At 636-O/17	701 At(Ac) 527-O/13	14213694 At 221-18/18 GL89	67603572/L PlSw(At) 634-O/16 GL06	
240 AtAc 636-O/15	713 At(Ac) 633-O/13 he sl	15055027 Ac(At) 735-O/16 ri	68983867/L Pl(At) 634-O/16 GL07	
241 AtAc(Pl) 425-O/12	715 SbSw 621-O/8 he sl	○ 64 16274391 At(Acb) 113-17/17 GL08	69433543/L PlSw(At) 634-O/16 GL08	
242 At(Pl(Sw) 425-O/13	723 Sb 627-O/10	16816877 AtAc 325-O/18	71047181/L Pl(At) 524-O/14 GL06	
247/L AcSw(AtSb) 321-O/14 he sl	733 Sw(Sb) 632-O/12 st he ri	49994232 AtAc 730-O/16 he sl	71264863 At(Ac) 425-O/12 sl	