![BRITISH COLUMBIA]

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093P038

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
- Sivculture 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 *Shagbarck 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)
1	1-20	1	0.1 - 10.4	0	0 - 5
2	21-40	2	10.5 - 19.4	1	6 - 15
3	41-60	3	19.5 - 28.4	2	16 - 25
4	61-80	4	28.5 - 37.4	3	26 - 35
5	81-100	5	37.5 - 46.4	4	36 - 45
6	101-120	6	46.5 - 55.4	5	46 - 55
7	121-140	7	55.5 - 64.4	6	56 - 65
8	141-250	8	65.5 +	7	66 - 75
9	251 +			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	tg	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.

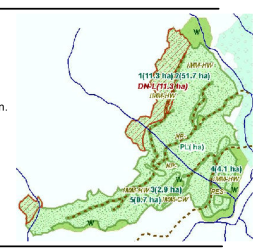
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

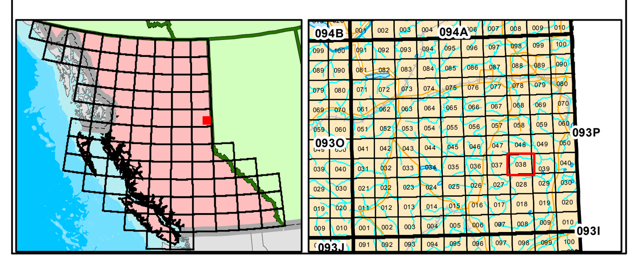
Example Opening History Details

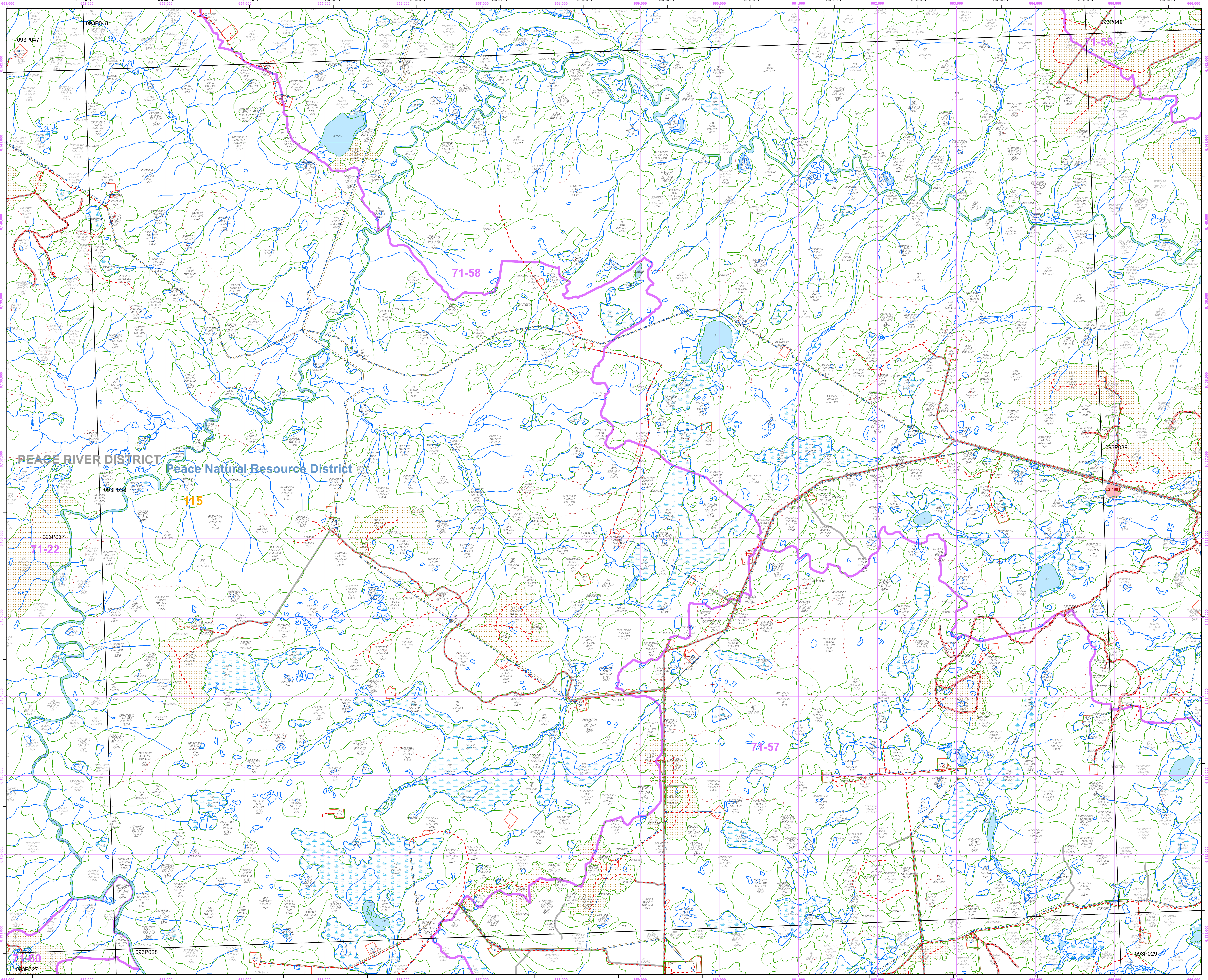
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

5 Sw(At) 635-O/13	212 Sw(At) 425-O/14	○16 14364362 At 538-O/16	○19 37753797 At 111-18/18 GL01	59394894 Pli 113-15/15 GL94
22 SbSw 525-O/9 he	227/L At(Ac) 222-19/19 sl	18482160/L Sb(Pli) 625-O/8 he GL05	41025552/L SbPli 725-O/6 GL03	6019488 Pli 113-15/15 GL94
29 At(Sw) 526-O/13 st	228 Sw(At) 533-O/14 st he	19066500 At(SwSb) 537-O/14	42634534 At 113-18/18 GL01	60274659/L PliAtSb 635-O/15 GL03
32 At(SbSw) 734-O/16 st he	234 SbSw(At) 523-O/10 he sl	19681337 he r z sl	43266223/L SwPli(At) 636-O/13 GL03	62231837/L Pli(Sw) 635-O/15 GL05
37 AcSw 735-O/17 st	238 At(Sw) 523-O/13 he sl	19964163/L At(Pli) 426-O/13 he GL04	43494567 gp	62901569/L Pli 534-O/15 he by GL04
39 SwAc 844-O/17 he st	239 At 636-O/14 sl	20806081 PliSw 734-O/17 he st	43734665/L AtPli(Sb) 733-O/15 he sl GL03	64004644/L Sb(Pli) 620-O/8 sl he by GL05
45 At(Sw) 322-O/12 he st	245 SwAt(PliSb) 535-O/15 he sl	○2 21233452 NSR GL95	44033902 AtAcb 114-17/17 GL01	64554998 AtAc 636-O/15
46 AtPliSw 526-O/13	277 Sw 735-O/13	21631636/L At(Pli) 635-O/16 he sl GL04	44034624 At 113-18/18 GL01	64735213 AtAc 636-O/15
52 At 535-O/14 st	305 SbLt 623-O/8 st he by	21635627/L At(Pli) 635-O/14 he st GL05	45454607 At 635-O/17 st he	64764667/L PliSb 625-O/13 st he GL06
78 At(SwPli) 527-O/13	341 At(Ac) 637-O/14	22171570 At(Pli) 635-O/16 he sl	45595612 AtAcb 117-20/20 GL02	65252894/L AtPli(SwAc) 736-O/15 he GL04
103 SwAt(Sb) 731-O/13 he st	400 At(Pli) 425-O/13 he sl	22297748/L At(SbSwPli) 633-O/16 he sl GL04	46304449 PliSb 531-15/14	65501597/L Pli(AtSb) 533-O/15 st by GL04
112 AtSw 222-18/18 he st	494 SwPli(At) 836-O/13	23491395/L At(Pli) 635-O/16 he sl GL04	47091878/L PliSb 523-O/13 st he GL05	65503333 At(Sw) 636-O/16 he
114 AtSw 221-18/18 he st	506 Sb 622-O/8 he sl	○2 23583505 NSR GL95	47182449 PliSx(Act) 211-18/18 GL92	65503469 At(Sw) 636-O/16 he
116 At(Ac) 636-O/16	537 Sb(Lt) 824-O/7 st he by	24703907/L Pli(SwAt) 635-O/15 st he GL04	47826624/L AtPliSw 536-O/14 GL07	65703250/L SbPli(Sw) 626-O/11 GL04
119 At(Ac) 636-O/16	570 SbAt(Pli) 624-O/8 he sl	26215429/L AtPli(Sw) 534-O/14 st he GL04	47951431/L Sb(Lt)Pli 733-O/11 st he GL05	89417001/L Sw(At)Pli 631-O/16 st he GL06
120 AtSw 221-18/18 he st	574 st he la	29331844 AtPli(Sw) 635-O/16 st he	49091745 AtAc 114-18/18 GL02	89447461/L At(SwPli) 735-O/17 sl GL03
121 AtAc 636-O/16	645 Sb(SwPli) 626-O/8 st he	29403014/L At(Pli) 736-O/16 GL05	49471944 AtAc 114-18/18 GL02	8959632/1 SxPli(AcAt) 211-18/18 GL90
123 Sw 734-O/13 he sl	656 Lt(SbSw) 822-O/9 st he	29823834/L AtSw(Pli) 635-O/14 GL05	49575593/L AtSw(PliAc) 636-O/14 st he GL04	○1 93834790 Pli(At) 222-16/16 GN70
125/L At(AcSw) 221-18/18 he st	670 SwAt(SbPli) 834-O/12 st	30036140 by he	50375633 AtSwPli(Ac) 631-15/14	95697575/L AtSw(Pli) 732-O/15 he GL03
126 SwSb(Pli) 635-O/13 st he	678 Lt(Sb) 820-O/8 he st	30091590 At(Sw) 635-O/14 st he	51265543/L AtSw(Pli) 734-O/14 st he GL05	95741036/L At(Pli)Sw 536-O/14 he GL04
127 SwAt 533-O/14 he sl	701 he r z sl	30294839/L PliAt(Sw) 843-O/21	52085555/L SbPli(SwAt) 732-O/13 st he GL05	96752865/L PliSw 735-O/15 st he GL04
133 Sw 733-O/14 he st	706 SbSwPli 524-O/10 he sl by	30905442 At 636-O/14 st	52501776 he r z sl	96753038/L PliSw 735-O/15 he GL06
137 AtSw 522-O/12 he sl	712 Sw(Sb) 731-O/14 he sl	3099165/1 AtPli(Sw) 635-O/16 st he	52601520 Sb 725-O/8 st he	97683774/L PliSw 735-O/15 he GL05
139 At 534-O/14 he sl	722 Sw(Ac) 844-O/17 he st	31731963/L AtPli(Sw) 535-O/14 st he GL04	52941868/L SbPli(SwAt) 624-O/10 GL04	○30 98473462 At(Pli) 112-18/18 GL06
140 AtSw 522-O/12 he sl	731 SwAt(Pli) 735-O/14	31781783/L AtPli(Sw) 635-O/16 st he GL05	53513786/L PliAt(Sb) 635-O/17 GL04	99163454/L PliSw 735-O/15 he GL05
145 AtAc 636-O/15	1421230/L AtPli(Sw) 425-O/13 he GL07	32824967 Sb 617-O/6	53383188 AtPli(AcSw) 735-O/17 st he	99203310/L At(Pli) 736-O/16 GL04
147 AtSw 536-O/15	34864026/L SwPli 734-O/13 he sl GL04	○21 33002026 AtAcb 114-18/18 GL02	54383728/L AtPli(AcSw) 635-O/17 st he GL04	99784589/L Pli(SwAt) 733-O/16 st he GL04
148 SwAt 735-O/13	6837657/L AtSw(Pli) 635-O/17 GL03	33382560 At(AcPli) 734-O/16 he sl	55423437 AtPli(AcSw) 635-O/15 st he	
151 AtPli 521-O/13 he sl	9456348 Sw 740-O/18 he st	33473535/L PliSb 525-O/12 GL04	56033681 AtAcb 113-17/17 GL05	
156 At 537-O/14	12355675/L Pli(Sw) 733-O/16 he sl GL06	33852395/L PliAtSb 631-O/15 st he GL06	56584867 AtAc(Sx) 126-27/27 GL94	
185 SwAc(Pli) 521-O/13 he sl es	12704199/L PliAtSw 734-O/17 he st GL04	35562412/L SwPli(At) 644-O/17 he st GL06	57183210/L At(AcSw) 635-O/15 st he GL05	
206 AtSw(Ac) 632-O/14 st he	14253692 PliAtSw(Ac) 111-18/18 GL96	36393817 At 114-17/17 GL01	57414874 AtAc(Sx) 126-27/27 GL94	
208 st he	14307655/L AtSw(Pli) 634-O/17 he GL03	36446215 PliSw 221-18/16 GB70	58706843/L AtSw(Pli) 634-O/14 he sl GL03	