Vegetation Map

094B001

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:

LINE DESCRIPTION

○12
123/L
Fd(Hw)
211-20
he,sl
GL78

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 hybrid
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)
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
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.

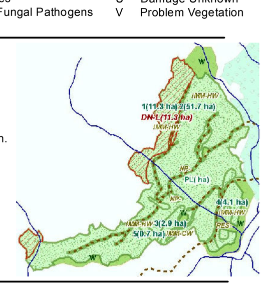
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

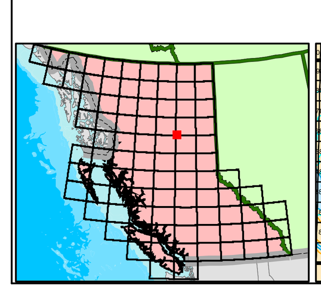
Example Opening History Details

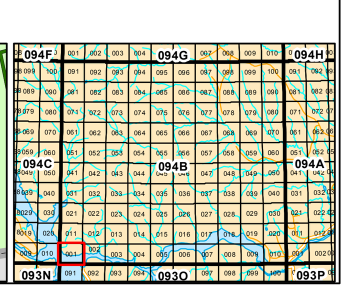
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

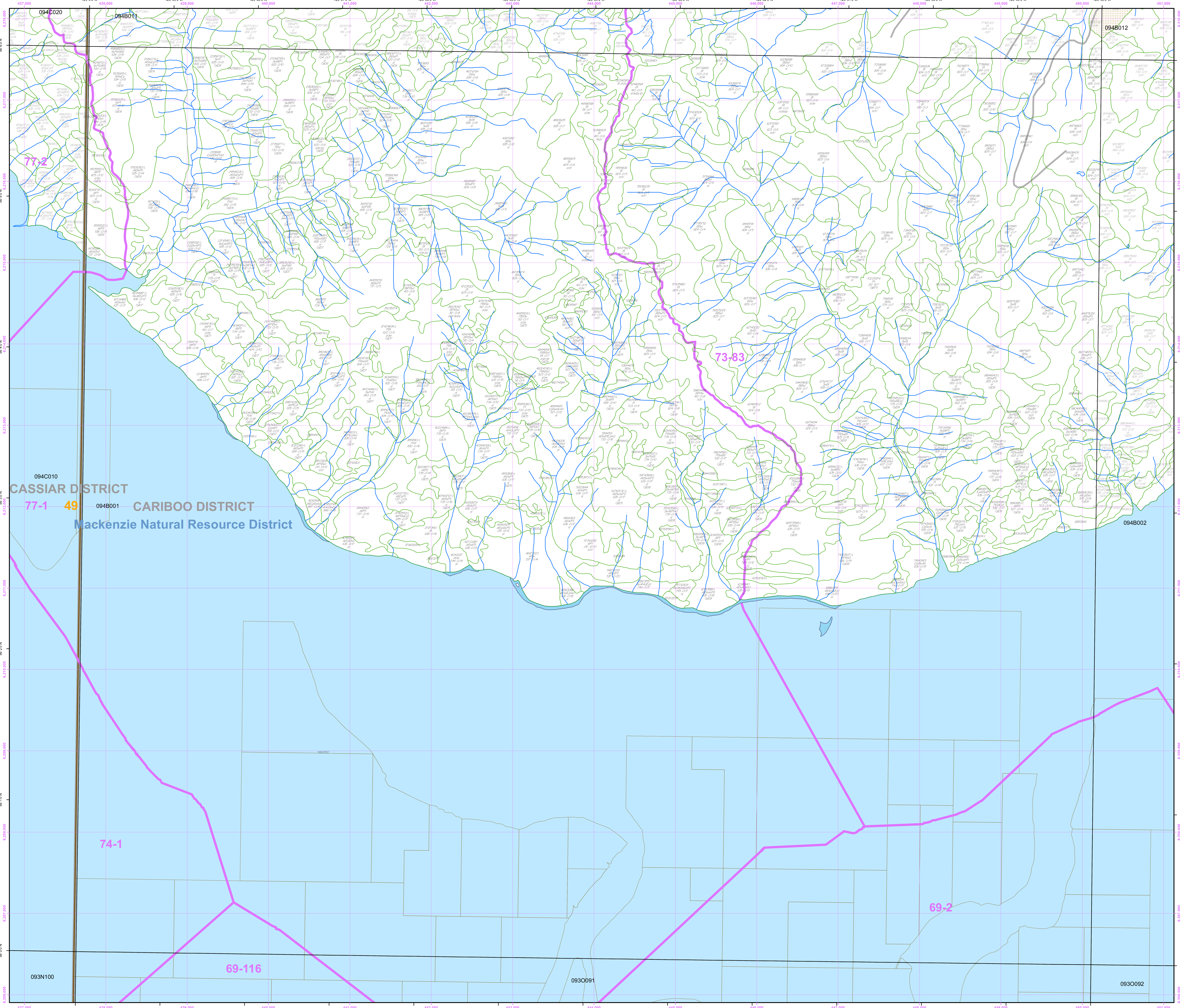
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH









Overflow Labels

13706326/L AtPl(EpSw) 534-O/15 sl GJ06	39823277 sl bf	55676988 sl be	85584664 BlSw 820-O/7 st
15106006/L AtPl(Sw) 524-O/14 sl GJ06	33866825 BlSw 836-O/8 sl	56516900 Bl 511-O/6 sl be	87064309/L AtSw(Pl) 634-O/15 sl GJ06
18405357/L AtPl(EpSw) 735-O/15 sl GJ07	40984667/L PlAt(Sw) 733-O/15 sl GJ05	56783558/L PlAt 734-O/15 GJ08	
21985212/L EpAtSw(Pl) 834-O/14 sl GJ07	42623569 AtEp(AcPl) 215-13/13 sl	57203057 At(AcSw) 746-O/20 sl	
24056802/L Pl 524-O/12 GJ06	42874663 PlBl(Sw) 510-O/4 sl br	57493381 SwBl(PlAt) 733-O/14 sl	
25696761/L SwPlBl 835-O/11 sl GJ06	44784422 SwEpAc(Pl) 830-O/9 sl	58773868/L PlAt 522-O/7 sl bf br GJ08	
26054940/L At(Pl) 622-O/11 sl GJ07	45153670/L At(AcPl) 631-O/17 sl bf GJ05	59443998/L PlAt 523-O/13 sl bf GJ08	
26574116/L AtPl(AcSwEp) 835-O/17 sl GJ07	46184631 br sl by	60373917/L AtPl(Sw) 521-O/13 sl GJ08	
26585542 SwAcPl(Bl) 830-O/13 st	46186942 Bl(Sw) 835-O/8 sl	61136189 Bl 410-O/5 sl by	
27294430/L AtPl 732-O/15 sl GJ07	46484480/L PlSw(At) 833-O/15 sl GJ05	62143260/L AtAc(Sw) 636-O/17 sl GJ08	
27784271/L PlAt 738-O/18 GJ07	47093526 AtEp(AcPl) 215-13/13 sl	62293770/L At(Pl) 522-O/10 sl br GJ08	
27955549 Sw(AcPl)(Bl) 830-O/13 st	47645055 Bl(Pl) 310-O/5 br sl by	64786631 Bl 811-O/3 sl be	
28104069/L PlAt(Sw) 731-O/16 sl br bf GJ07	47833800/L At(AcPl) 634-O/17 sl GJ05	67245283 BlSw(Pl) 721-O/6 sl bf br by	
28696078/L AtPl(Sw) 624-O/12 sl GJ06	48274584 PlBl 310-O/5 sl be br by	67275478/L BlSw(Pl) 623-O/6 sl bf br GJ08	
28786891/L SwBl(Pl) 823-O/8 sl GJ06	49095147 Bl(Sw) 721-O/5 sl bf	67864174/L SwBl(EpPl) 632-O/12 sl GJ08	
30465874/L SwAcEpAt(Pl) 835-O/14 sl GJ06	49536859 Bl 510-O/6 he sl	68483840/L Pl 525-O/14 sl GJ08	
30844112/L At(Pl) 830-O/16 sl bf GJ07	49645065 Bl 410-O/5 ta sl	70376355 Bl 811-O/2 sl bf	
31034874/L At(Bl)(Pl) 521-O/9 sl be GJ07	50584243/L SwAt(PlEp)(Bl) 634-O/14 sl GJ05	72724259/L Pl(AtSw) 520-4/10 br sl by GJ08	
31206748/L Bl(Pl) 622-O/9 sl bf GJ06	51015301 br sl	73265126 SwBl 830-O/9 st	
32826830 BlSwPl 512-O/5 sl by he br	51953972/L PlAt(EpSw) 735-O/15 GJ05	74295490 SwBl 830-O/7 sl	
32886607/L SwAtBl(PlEp) 635-O/14 sl GJ06	52036901 sl br he by	74513937/L SwEpAt(Pl) 635-O/15 sl GJ08	
33766616 EpSw(AtPl) 621-O/12 sl	52484046/L AtSw(Pl)(Bl) 733-O/14 sl GJ05	74515016 SwBl 830-O/10 st	
33793903 AtPl(Sw) 213-13/13 sl bf	53144618/L BlSwPl 721-O/6 sl GJ05	74843944/L Pl 520-2/7 br sl GJ08	
33846906/L BlSw(Pl) 624-O/7 sl GJ06	53154143/L SwPl(Bl) 734-O/12 sl GJ05	76883464 PlAtEpSw) 537-O/15	
34426791/L SwBl(PlAtEp) 621-O/6 sl bf GJ06	53343381 At(AcPlEp) 635-O/17 sl	79413634/L PlAtEp 537-O/17 GJ06	
34834759/L SwPlBl 830-O/12 st GJ07	53395216 Bl(Pl) 310-O/5 br sl by	80687067 Bl(Sw) 834-O/12 sl	
35235074 BlSw 825-O/7 sl	53546338 Bl 310-O/10 sl be	82063659/L PlAtEp 537-O/15 GJ06	
37706934 BlSw 726-O/9 sl	54286992 Bl 510-O/6 he sl	83813666 Pl 410-O/4 br sl he by	
37993364/L At(SwEpPl) 635-O/18 GJ07	54304135 At(SwPlEp) 730-O/13 st	85163701 EpAt(AcPlSw) 536-O/14 sl	
39116943 BlSw 830-O/7 st	54615403 Bl(Pl) 310-O/5 br sl by	85267047 BlSw 833-O/12 sl bf	