Vegetation Map

093N086

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 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 *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
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
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.

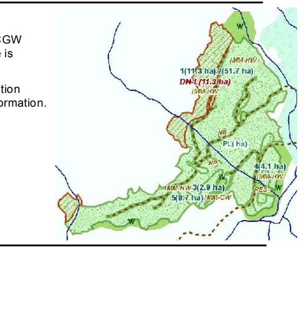
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

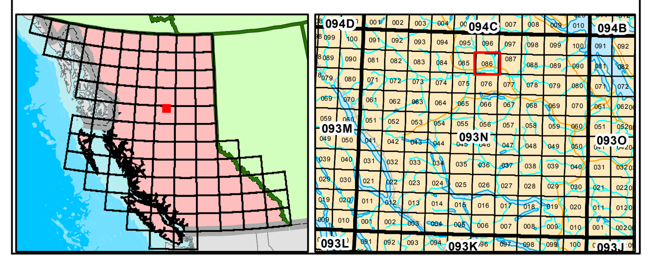
Example Opening History Details

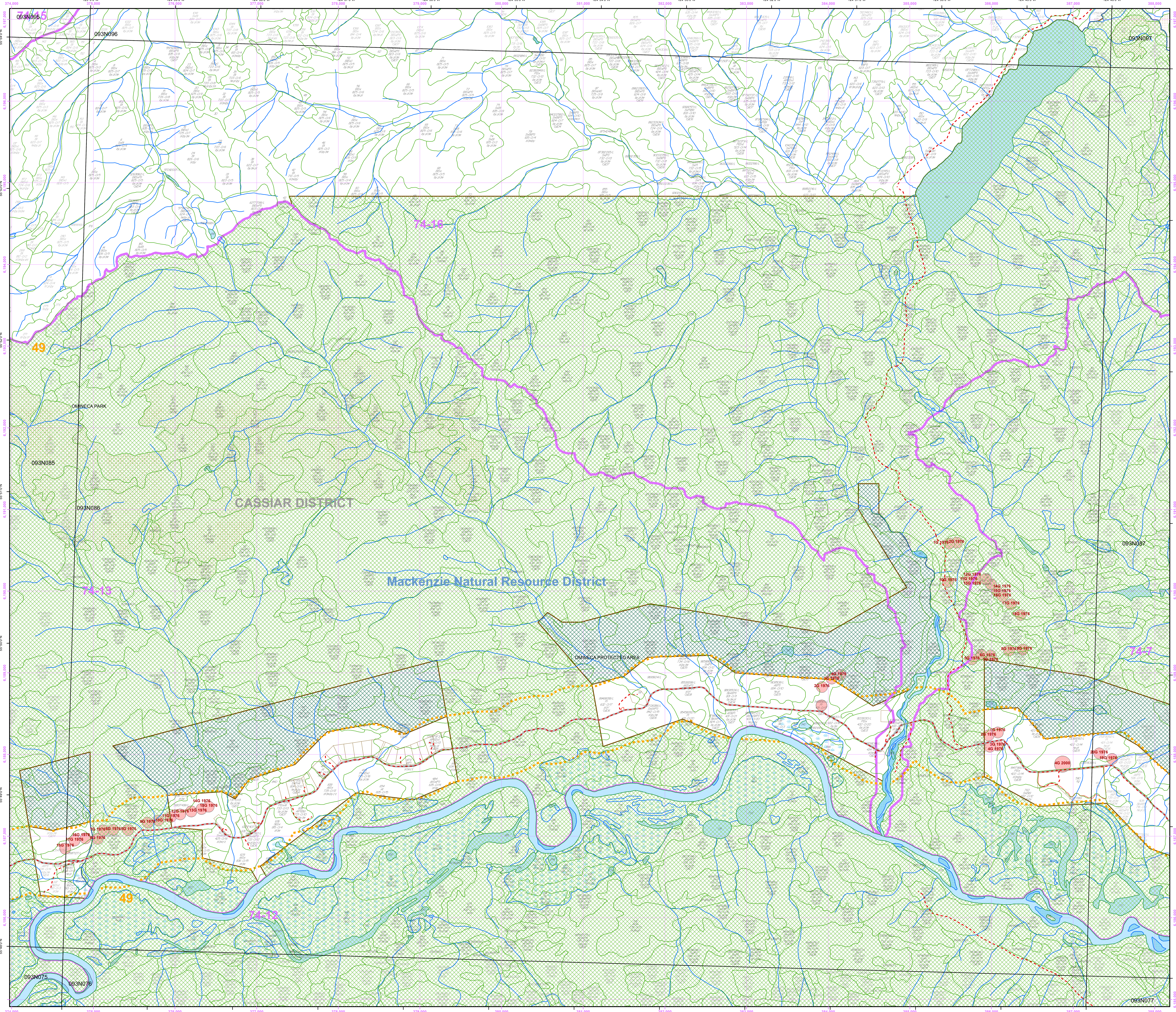
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

1 Bl(Sw) 825-O/6 by,sl,he	423 SxSb 724-O/9 he,sl,by	832 Sx(Sb) 831-O/6 st,he,by	23227819 At(PlSx) 735-O/12 by,sl,he	80936494/L Sx(AtPl) 833-O/10 by,sl,he GJ04
3 BlSx 824-O/6 by,sl,he	424 SxSb(Pl)(Bl) 831-O/8 by,sl,he	833 Sx 841-O/14 st,he,by	23289078/L Sb(AtPl) 532-O/17 sl,he,by GJ05	81132984/L Pl 732-O/16 by,he GJ07
12 BlSx 723-O/7 by,he,sl	441 Sx 730-O/11 st,by,he	840 At 735-O/13 sl,he	23359630/L Sx(Pl) 622-O/10 by,sl,he GJ05	82066517/L PlSx 831-O/14 by,he,sl GJ04
21 SxBl 834-O/7 by,sl,he	477 Pl 520-O/13 he,by,sl	848 Sx(Ac) 834-O/9 st,he,by	23589140/L At(SxPl) 533-O/14 sl,he,by GJ08	82909181/L Sx(Pl) 843-O/13 st,by,he GJ04
30 Bl 610-O/4 he,by,sl	511 he,ur,sl,by	850 Sx 844-O/18 st,by,he	23629411/L Sx(AtSbPl) 622-O/9 sl,by,he GJ05	83306675/L Sx(Pl) 833-O/11 by,sl,he GJ05
34 Bl 722-O/8 by,sl,he	531 SxAc 843-O/13 st,he,by	1037550/L SxPl(Sb) 734-O/14 sl,he,by GJ04	23969929/L At(Pl) 625-O/10 sl,by,he GJ06	86376686/L PlAt 731-O/13 by,sl,he GJ05
41 Bl 620-O/7 he,by	553 st,he	1292016/L Pl(Sx) 722-O/11 by,sl,he GJ05	23978068/L AtPlSx 431-O/22 he,sl,by GJ08	87542464/L SxBl(Pl) 732-O/10 by,es,sl,he GJ06
44 Bl 722-O/7 by,sl,he	555 AcSx(Pl) 725-O/8 sl,he,by	2006681/L Sx(Pl) 733-O/11 by,sl,he GJ04	24486610/L Sw(Pl) 741-O/17 sl,by,he GJ05	88802996/L SxAt(Pl) 725-O/8 by,sl,he GJ08
47 Bl 723-O/8 by,he,sl	557 AcSx(Pl) 835-O/14 sl,by,he	2370175/L SxAt(Pl) 735-O/12 sl,by,he GJ08	50939166/L SxBl(Pl) 842-O/15 by,sl,he GJ04	89382353/L SxPl(Bl) 733-O/10 by,sl,he GJ06
48 Bl 722-O/9 by,sl,he	586 AtSb(Pl) 625-O/10 sl,he,by	3760138/L PlAt 732-O/14 by,sl,he GJ04	○1 51049350/L Bl(Pl) 321-O/13 sl,by,he GN04	89622236/L PlSx 422-O/15 sl,by,he GJ03
51 Bl 622-O/6 sl,by,he	591 At 534-O/14 st,he	4458264/L Sb(Pl) 813-O/4 by,sl,he GJ04	55826998/L At(PlSx) 734-O/12 by,sl,he GJ04	91618604/L At(Pl) 725-O/10 sl,he,by GJ07
52 Bl 723-O/7 by,he,sl	597 SxSb(At) 633-O/12 st,he,by	4898260/L At(Pl) 625-O/12 sl,he,by GJ04	55917127/L At(Pl) 634-O/14 sl,by,he GJ04	92151447/L Sb(Pl) 621-O/8 he,sl,by GJ07
62 BlSx 724-O/6 by,he,sl	601 SxSb 834-O/10 st,he	7611187/L At(SxPl) 723-O/8 he,sl,by GJ08	52519043/L SxBl(Pl) 842-O/15 by,sl,he GJ04	93549651/L Pl 621-O/10 by,he,sl GJ04
67 Bl(Sx) 825-O/6 by,sl,he	606 Sx 840-O/14 st,he	8831213/L SxPl(At) 733-O/11 sl,he,by,ri GJ07	○1 56519407/L Pl 323-O/14 he,sl,by GN08	94229646/L At(Pl) 621-O/12 by,sl,he GJ04
83 SxBl(Pl) 825-O/7 by,sl,he	615 Sx 844-O/13 st,he	8982328/L At(PlSx) 722-O/11 by,sl,he GJ08	57092007/L Bl(SxPl) 623-O/8 by,sl,he GJ07	95019478/L SxAt(Pl) 432-O/20 by,sl,he GJ04
○1 93 Bl(PlS) 321-O/15 he,sl,by GN58	630 At 630-O/17 he,st,by	10116560/L Pl 732-O/13 by,sl,he GJ07	○1 56979291/L Pl 321-O/14 sl,by,he GN07	95669497/L Pl 620-O/11 by,he,sl GJ04
○1 117 Bl(SPl) 323-O/15 sl,he,by GN58	641 st,by,he	11857306/L Sx(Pl) 845-O/12 sl,by,he GJ04	59221668/L Bl(SxPl) 623-O/10 sl,by,he GJ08	96172937/L SxBl(Pl) 635-O/14 sl,by,he GJ07
119 st,he,ri,by	647 Sx 844-O/13 st,he	11191212/L At(SxPl) 522-O/13 sl,by,he GJ05	59307499/L SxPl(At) 444-O/25 by,he,sl GJ08	96302266/L PlSx 522-O/13 es,sl,by,he GJ07
139 Bl(Pl) 621-O/8 he,by,sl	651 Sb(Sx) 813-O/3 sl,he,by	11953019/L Pl(SxAt) 623-O/13 by,sl,he GJ04	59938240/L SxAt(Pl) 743-O/19 by,he,sl GJ08	97466951/L SxAt(Pl) 731-O/14 by,he GJ08
○1 163 PlS 326-O/14 sl,he,by GN58	662 Sx 845-O/14 st,he	12089003/L At(SxPl) 443-O/24 sl,by,he GJ04	61117871/L At(SxPl) 633-O/18 sl,by,he GJ08	97603042/L BlSx(Pl) 723-O/9 by,sl,he GJ06
176 BlSx 825-O/5 by,sl,he	668 Sx(Ac) 841-O/12 st,he	12710248/L At(Pl)(Sx) 724-O/10 by,sl,he GJ07	61686504 SxSb 844-O/12 sl,he	98729571/L At(Pl) 620-O/11 by,he,sl GJ04
182 Bl 411-O/7 st,he	693 SbSx 812-O/4 sl,he,by	12749372/L Sx(Pl) 521-O/14 sl,by,he GJ04	61797587/L SxAt(Pl) 433-O/24 by,sl,he GJ08	98908632/L SbSx(Pl) 632-O/16 sl,by,he GJ05
196 BlSx(Pl) 823-O/4 sl,he,by	708 Sx(Sb) 834-O/9 st,he,by	13938764/L AtSx(Pl) 532-O/15 by,sl,he GJ07	63717407/L SxAt(Pl) 732-O/10 by,sl,he GJ07	98947784/L Pl 733-O/14 by,he,sl GJ05
○1 199 Pl 327-O/14 sl,he GN58	729 SxSb 835-O/10 by,sl,he	15209441/L Pl 420-O/16 by,he,sl GJ07	66500765/L BlSx(Pl) 833-O/10 by,he,sl GJ08	99332186/L PlSx 422-O/16 sl,by,he,es GJ05
220 Bl 410-O/5 he,by	745 Sx 842-O/17 st,he,by	15466709/L AtSx(Pl) 733-O/13 by,sl,he GJ03	66816607 SxSb 833-O/10 st,he	99701942/L SxAt(Pl) 832-O/10 sl,by,he,ri GJ04
253 BlSx(Pl) 825-O/7 sl,by,he	765 Sx(Ac) 844-O/12 st,he,by	16153047/L SxPl 735-O/12 by,sl,he GJ06	69540916/L At(Pl) 624-O/10 sl,by,he GJ08	
255 BlSx 835-O/6 by,sl,he	768 st,he	17090976/L Bl(Pl) 623-O/9 by,sl,he GJ04	69718188/L At(Pl) 520-O/12 he,by,sl GJ04	
318 Bl 622-O/7 by,he,sl	773 st,he,ri,by	17997964/L SxAt(Pl) 731-O/14 by,sl,he GJ07	73376519 SxSb(At) 835-O/10 by,sl,he	
319 Bl 410-O/8 he,br,by	786 he,by,sl	19446894/L Sx(AtPl) 742-O/18 by,sl,he GJ04	77239775/L SxBl(Pl) 734-O/11 sl,by,he GJ04	
320 st,by,he	799 SxAc 830-O/9 st,he,by	19468460/L At(SxPl) 523-O/13 sl,by,he GJ04	78256513/L Sx(AtPl) 834-O/9 by,sl,he GJ04	
333 Sb 611-O/6 he	801 SxSb(At) 842-O/11 sl,by,he	20546683/L Sx(Pl)(Bl) 633-O/18 by,sl,he GJ04	79158184/L At(Pl) 734-O/15 by,sl,he GJ04	
334 SxBl 834-O/7 sl,by,he	810 SxAc 842-O/14 st,he,by	21150971/L Bl(Pl) 623-O/8 by,sl,he GJ04	80786596/L Sx(AtPl) 833-O/10 by,sl,he GJ04	