Vegetation Map
093M087

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)	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 COMMERCIAL 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.

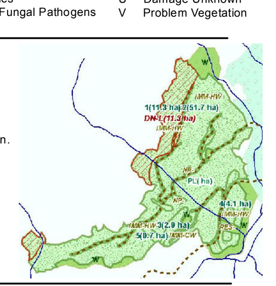
A Animal Damage, B Wildfire, C Cone and Seed Insects, D Diseases, I Insects, L Logging, M Mite Damage, N Non-Biological Injuries, P Cone and Seedling Fungal Pathogens, R Site Rehabilitation, T Treatment Injuries, U Damage Unknown, V Problem Vegetation

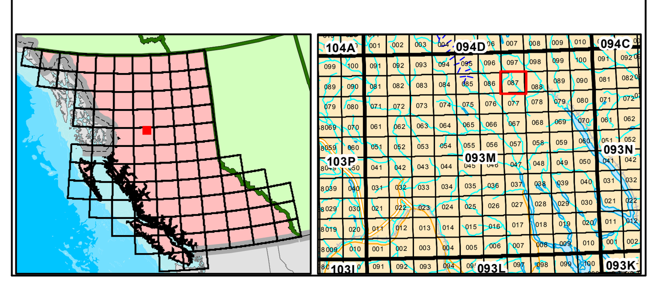
Example Opening History Details

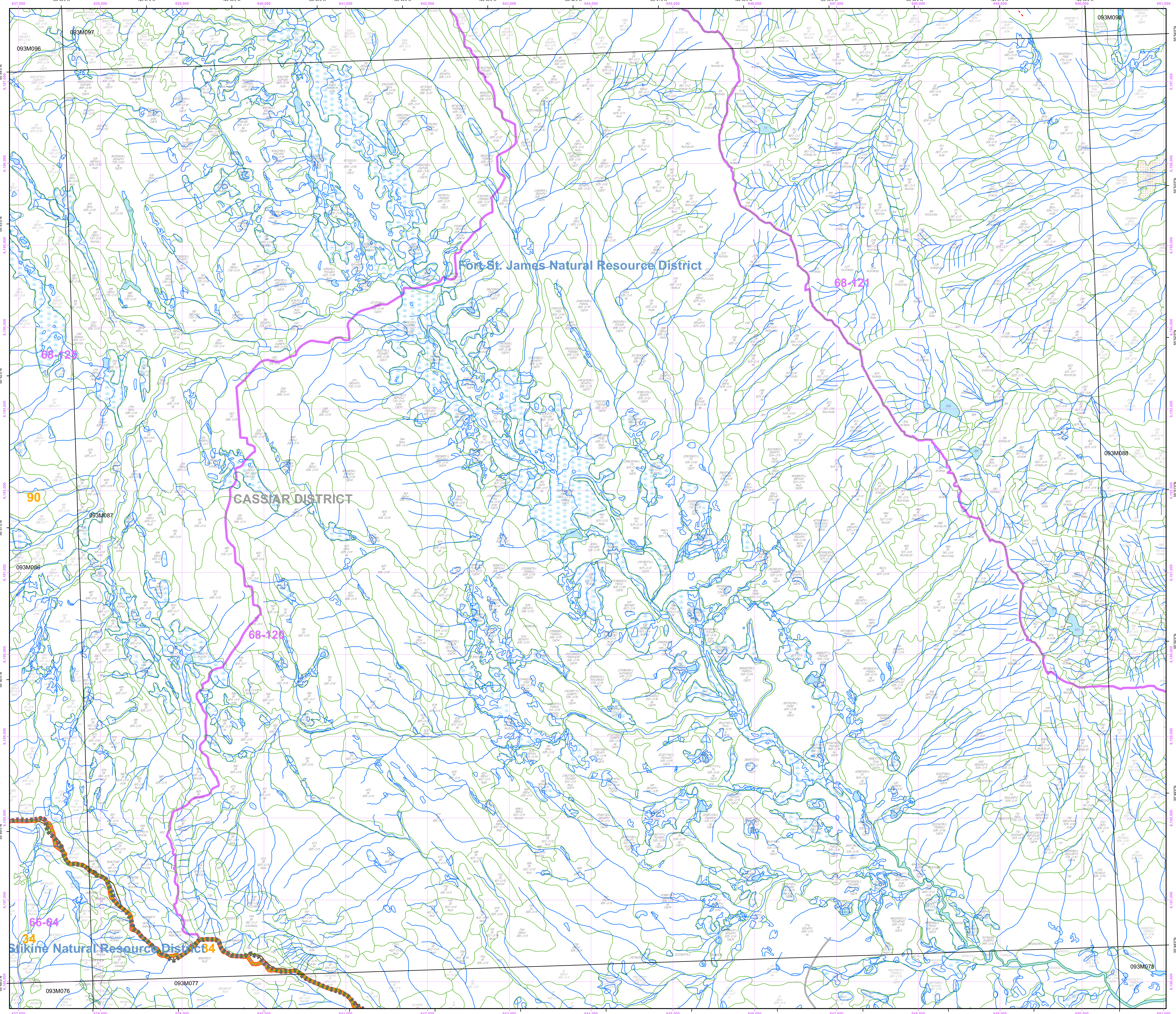
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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(Pl)(Sx) 625-O/10	175 he ta sl	509 Bl(Sx) 821-O/5 he by sl	746 Bl 821-O/4 he by sl
4 SxBl(Pl) 845-O/15 ri	182 Bl 733-O/11 he sl	510 Bl 932-O/5 he by	748 he ta sl by
5 SxBl(Sb) 831-O/13 he sl	189 SxBlSb 733-O/12 sl he	519 Bl 423-O/11 he	752 Bl 421-O/10 he sl by br
13 SbBl 821-O/6 sl he by	208 SxSb 831-O/12 he sl by	521 Bl(Sx) 423-O/12 he	762 Bl 946-O/10
16 SxBl(Pl) 845-O/14 sl he	214 Bl 423-O/10 he sl	523 SxBl(Sb)(Pl) 631-O/11 sl he by	784 SbSx 822-O/6 he by sl
21 Pl(Sx) 835-O/18 he	224 Bl 621-O/7 he sl ta by	533 SxBl 535-O/16	1022320/L Pl(SxBl 831-O/13 he ta sl by GJ04
22 SxBl(Pl) 842-O/14 sl he	231 Bl 810-O/2 ta sl he by	547 BlSb 720-O/6 sl he	1626393 he sl br by
24 Sx 730-O/14 he sl	248 Bl(Sx) 833-O/8 sl	567 ta sl he	17739429/L Pl(SxBl) 535-O/15 sl he GJ04
37 SxBl 844-O/12 he sl	259 SxBl 845-O/13	573 sl he by br	18232815/L SxBl(Pl) 835-O/9 GJ04
39 Bl(SxPl) 835-O/9 he	276 SxSb 731-O/12 he sl by	584 Bl 936-O/8	21488695/L Pl(At)(SxBl) 524-O/11 he GJ04
40 Bl(Sx)(Pl) 835-O/9 he	293 Bl 620-O/9 he sl by ta	587 Bl 920-O/4 he sl by	22718469/L SxSb(Pl) 530-O/14 he sl by GJ04
49 Bl 820-O/5 he ta by	301 Bl 820-O/5 he sl by	594 Bl 931-O/6 he sl by	22872488/L Bl(Pl) 835-O/11 GJ07
50 Bl 822-O/4 sl he ta	307 br he by	598 Bl 935-O/9	26489158/L SxPl(Bl) 843-O/13 sl he GJ08
52 Bl(Sx) 822-O/5 he ta	312 sl he ta by	601 SxBl 835-O/9 he sl	29196355/L Pl(Sx) 835-O/18 GJ04
58 Bl 810-O/3 sl he by ta	313 sl he ta by	622 SxBlSb(Pl) 734-O/14 sl he	30036374/L Bl(SxPl) 834-O/8 he GJ04
62 he ta by	314 sl he by br	624 SxBl 535-O/16	33996505 Bl(SxPl) 831-O/8 he sl by
63 he ta by	323 sl he ta	626 SxBl(Sb) 531-O/16 he by sl	47926981/L Pl(At) 635-O/17 GJ04
69 ta he by	331 BlSx 834-O/7 he	639 Bl 525-O/11 he	51146487/L SxBl(Pl) 844-O/13 sl GJ04
72 Bl 710-O/3 br sl he by	356 Pl(Sx) 426-O/14	644 Bl 510-O/6 he sl by br	53297475/L Pl(At)Bl 321-O/12 he ta GJ04
75 sl he by ta	365 Bl 820-O/5 sl he ta by	653 Bl 710-O/4 he sl by br	54657217/L Pl(At)SxBl 322-O/12 he ta GJ04
77 he ta sl by	375 Bl 510-O/5 he sl br by	661 he sl by br	56526294/L SxPl(At) 853-O/24 GJ04
83 Bl 621-O/7 he sl by ta	384 sl he ta by	662 Bl 810-O/2 he sl by br	60817261/L Bl(Pl)(SxAt) 635-O/10 GJ04
88 Bl(Sx) 835-O/9 sl he	386 ta he by	666 Bl 931-O/6 he by sl	89027097 Bl 921-O/2 sl by he
90 BlSx 835-O/10 sl he	404 Bl 611-O/3 sl he	667 sl he br	89176940 Bl 921-O/4 he sl by
94 AcSxBl 855-O/22	435 SxBl(Pl) 835-O/13	668 Bl 935-O/8 he	89396373 Bl 821-O/4 sl he
102 SxBl 845-O/13 sl	450 SxBlSb 521-O/9 he sl by	674 Bl 835-O/7	89792680/L SxBl(Pl) 845-O/14 GJ04
121 SbBl(Sx) 820-O/7 he ta sl by	451 SbSx 710-O/5 he sl by	680 Bl 311-O/12 he sl by br	90456881 Bl 820-O/3 sl he
144 Bl 811-O/2 he sl ta by	452 Bl(SxPl) 524-O/12 sl he	700 Sb(Sx) 821-O/6 he sl by	9216742 ta
148 ta he sl	462 Bl 425-O/10 he	717 Bl(SxPl)(At) 524-O/8 sl he	94696522 he br by sl
153 Bl 811-O/3 sl he by ta	470 Bl 822-O/5 he sl	718 Bl(At)Sx(Pl) 535-O/13	95287001 he sl by br
154 br he by	482 sl he ta by	735 Bl 820-O/3 sl ta he by	95552801/L PlSx 833-O/18 he sl GJ04
161 Bl 821-O/5 sl he ta	483 ta he by	740 ta sl he	95556531 he by br sl
164 sl he ta by	485 ta he by	742 he sl br by	95716697 he by br
165 Bl 810-O/3 br he sl	489 Bl 831-O/6 he sl by	745 he by br	