Vegetation Map
094B018

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:

O12
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

O12 - 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)
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.

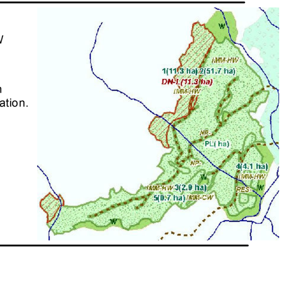
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

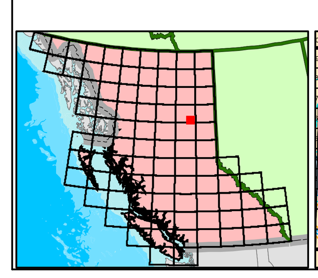
Example Opening History Details

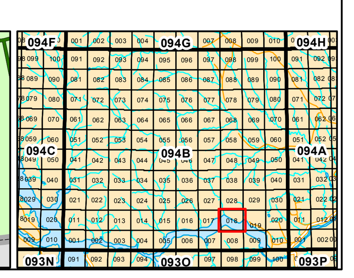
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

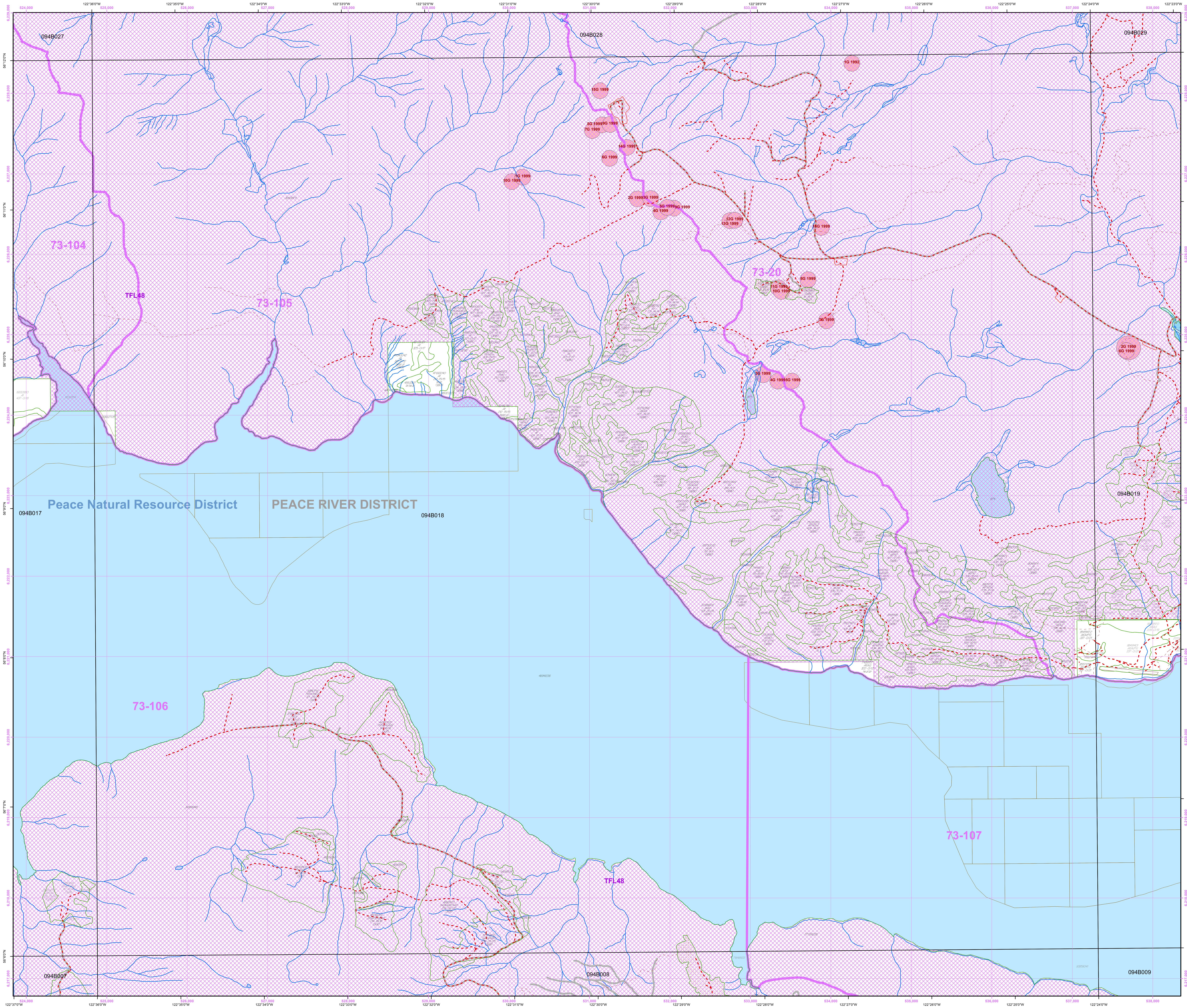
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

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









Overflow Labels

39709765 SxPl(Bl) 214-23/23 GL93	58612721 At 211-12/12 GB80	73642595 Pl(Sx(At)) 424-13/11 GB80	91011679 AtPl 634-18/17 GB80
40719761 Sx(Bl) 112-18/18 GN95	58873218 At 427-16/14 GB80	73812229 SxPl(At) 845-16/15 GB80	92051750 At 426-17/15 GB80
41039654 Sx 213-17/17 GL92	58932798 At 424-14/12 GB80	74292606 PlAtSx 426-15/13 GB80	93221658 PlSx 635-15/14 GB80
42889430 SxPlAc(Bl) 213-24/24 GL90	59613201 AtAcSx 425-14/12 GB80	75331545 At(Ac) 535-17/16 GB80	94121297 At(Ac) 635-17/16 GB80
43129388 BlSxPlAcb(At) 214-18/18 GL90	59913374 SxPl(At(Ac)) 222-20/19 GB80	75561739 Ac 846-13/16 GB80	95261619 At 322-20/16 GB80
44043058 At 112-15/15 he,sl GB06	60393045 SxAt 640-18/17 GB80	75771966 Sx 741-15/15 GB80	95621341 At 321-0/19 he,sl
44519290 SxPlAc(Bl) 213-24/24 GL90	61133493 SxPl(At(Ac)) 222-20/19 GB80	75832525 PlAt 311-8/8 GB80	95661922 At 526-14/13 GB80
45313668 AtAc(Pl) 227-13/13 GB80	61452491 SxAc 843-16/15 GB80	76242585 At(Ac) 427-14/12 GB80	
45949879 Sx(At) 111-20/20 GN98	61893105 SxAt(Pl) 425-15/15 GB80	7681930 Pl(At) 536-19/18 GB80	
46160652 AtPl(SxEp) 114-27/27 GN98	62573137 Pl(Sx) 327-18/14 GB80	77031818 SxAc(Pl(At)) 842-17/16 GB80	
46169557 SxBlPl 211-20/20 GL92	62703608 At(Ac) 326-19/15 GB80	77752225 SxPl(At) 426-14/11 GB80	
47031888 AcAt 426-16/14 GB80	63713693 AtPl(AcSx) 226-15/14 GB80	78032248 PlSx 425-13/11 GB80	
47833740 AtAc(Sx) 326-19/15 GB80	64092706 AtAc(Sx) 635-15/14 GB80	78611671 AtAc 533-17/16 GB80	
48323229 SxPl(AtAc) 326-0/22 sl	64862952 At(SxAc) 635-15/14 GB80	78711326 Ac 534-19/18 GB80	
49703285 At 222-13/13 GB80	65172665 AtSx(Ac) 426-14/12 GB80	79631429 AcAt 114-18/18 GB80	
51803463 At(Sx) 835-15/14 GB80	65322592 SxAt(Ac) 425-16/13 GB80	79991579 AcAt(Sx) 426-17/15 GB80	
51843746 At(Ac) 227-15/14 GB80	67062332 Pl(Sx) 316-10/10 GB80	80242080 AcAtSx(EpPl) 326-19/17 GB80	
52923828 At(Ac) 227-15/14 GB80	67482708 Pl(At(Ac)) 316-10/10 GB80	81781306 PlSxAt 525-13/12 GB80	
53152866 At 326-0/17 sl	67521812 AtAc 533-19/18 GB80	82391477 AtAcEp) 536-16/15 GB80	
53713540 Ac 223-17/17 GB80	68562586 Pl(AtSx) 316-10/10 GB80	82392093 SxAt 644-18/17 GB80	
54299331 SxBl(AcbAtPl) 113-15/15 GL91	69172319 Pl(At) 317-10/10 GB80	82761269 Pl 526-15/14 GB80	
54319534 AtSxEp(Pl) 124-27/27 GN98	69411348 sl	82951862 PlAtSx(Ac) 425-18/16 GB80	
54523751 AtSx 226-15/14 GB80	69491695 AcAt(Sx) 536-20/19 GB80	83491902 SxAc 734-16/15 GB80	
55123720 Pl(SxAt) 326-18/14 GB80	69632065 At 427-13/11 GB80	83642041 At(Sx) 635-15/14 GB80	
55319268 Sx(Pl(Bl)) 214-23/23 GL93	70121368 AcAt(Sx) 113-18/18 GB80	83721600 Pl(At(Sx)) 426-19/17 GB80	
56473562 At 835-14/12 GB80	70301756 AtAc 113-20/20 GB80	83781463 PlAcSx 636-19/18 GB80	
56692098 Sx(Ac) 846-17/16 GB80	70341956 At 534-19/18 GB80	84241330 AcPl(Sx) 635-17/17 GB80	
56963541 AcAt 228-19/19 GB80	71351239 At 534-20/19 GB80	85681827 AtAc(Sx) 632-17/16 GB80	
57572561 br	71892046 PlAtSx 636-18/18 GB80	85871236 At(Sx) 536-16/15 GB80	
57863266 At 224-15/14 GB80	71961502 AtAc 115-20/20 GB80	86441682 PlSx 734-18/17 GB80	
57922823 At 216-20/20 GB80	72281707 AtAc(Sx) 532-18/17 GB80	87931133 Ac 533-19/18 GB80	
57943124 At 215-20/20 GB80	72502359 Pl(Sx(At)) 426-12/10 GB80	89812105 AtPl(Sx) 634-15/14 GB80	