BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map

094H057

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	1	Silviculture symbol and Opening Number
123/L	2	Polygon Number and multi-layer stand indicator (L)
Fd(Hw)	3	Species Composition ex: the most important layer is described as Fd (Dougls Fir) and Hw (Western Hemlock).
211-20	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
he sl	5	Vegetated Density Class (or Non-Forest/Productive Descriptor) ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
GL78	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)
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.

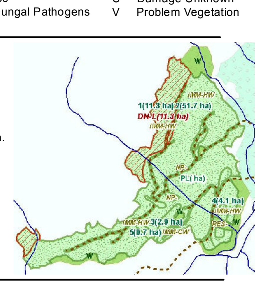
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

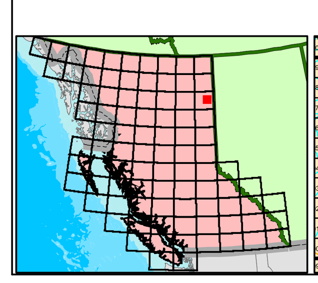
Example Opening History Details

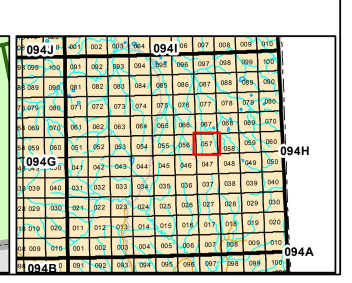
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

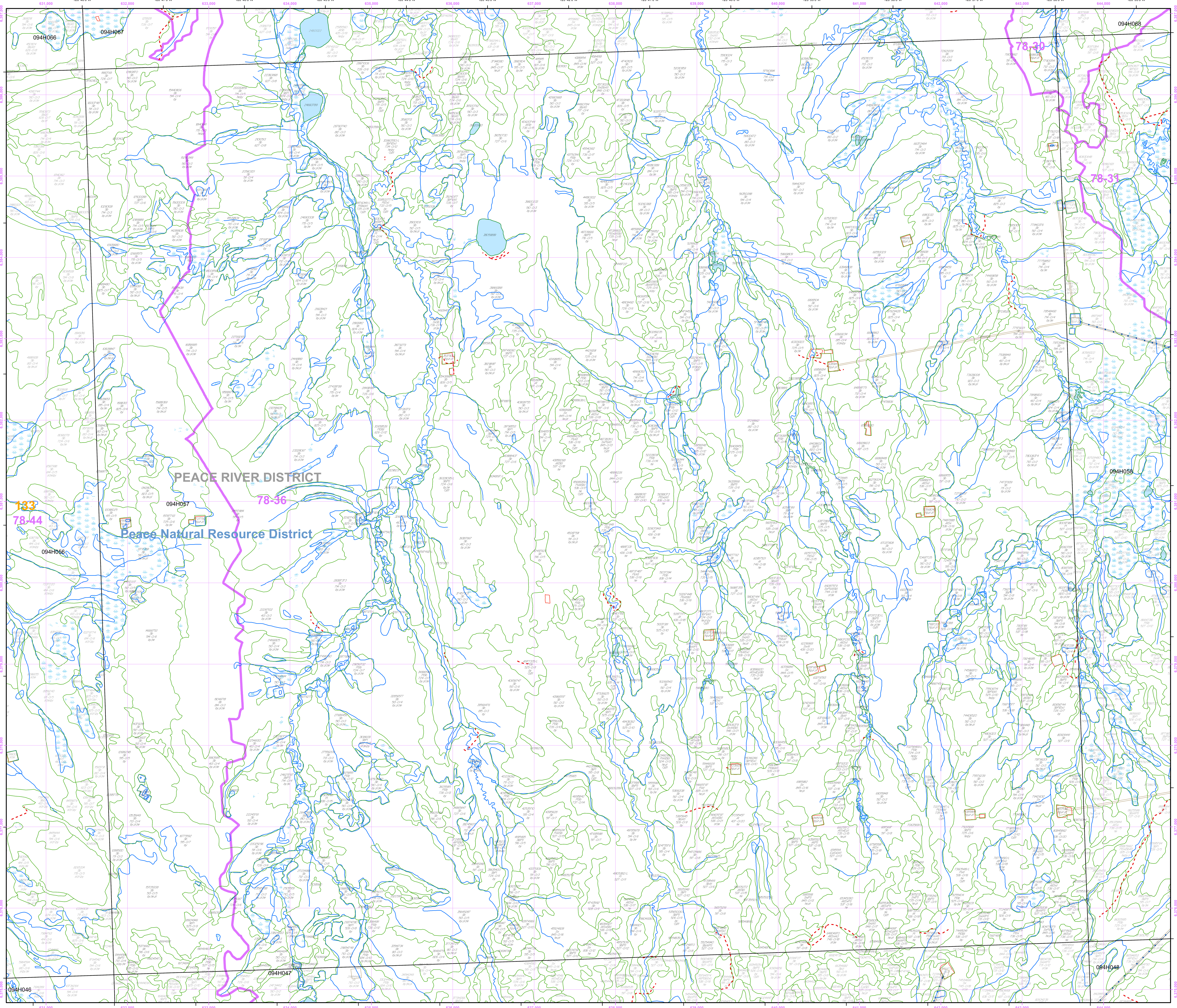
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

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









Overflow Labels

8760902 Sb 510-0/3 by,sl he	30067125/L Pl(SxSb) 932-0/12 ri,st he GI11	45188638/L PlSb 427-0/14	61679179 Sb(SxPl) 823-0/6 st he ri	79040302 hg,ur,sl
9140055 Sb 616-0/5 he by	30645084 Sb 710-0/5 by,sl he	46826289/L PlSb 526-0/13 GI11	61938360 PlSx 733-0/14 he by,st	79575043 Sx(AtPl) 731-0/12 st he
10120433 Sb 826-0/6 by	31127926/L PlSb 623-0/12 by GI11	47240262 Sb 726-0/6 by	63298696 Sx 727-0/6	80676094 Sb 526-0/7 by
10598175 Sb 724-0/6 by he	31417475/L Sb(Pl) 830-0/7 by,st he,ri GI11	47449722 At 736-0/15	64136644 Sx 745-0/16 he	81287534 Sb(Pl(Sx)) 726-0/7 by
12206131 Sb 823-0/4 by,sl he	31847542/L SbPl 733-0/10 GI11	47848553/L PlSb 526-0/12 GI11	65257288 Sb(Pl) 726-0/6 by	81357406 Sb(Pl(Sx)) 726-0/7 by
12395778 Sb 812-0/4 by,sl he	32350139 Sb 713-0/5 by,sl he	49054750 At 537-0/16 he	65696213 SbAt(Sx) 726-0/8 he	81407279 Sb(Pl) 820-0/5 by,sl he
12605213 Sb 923-0/3 by,sl he	32677124/L Sb(Pl) 722-0/7 by,sl he GI11	49317066 Sb 516-0/8 he	65968630 hg,ur,sl	81596965 Sb 726-0/6 st he
12864860 Sb 923-0/3 by,sl he	32915308 Sb 714-0/4 by,sl he	49816761/L PlSb 525-0/14 by GI11	65966053 by,sl he,la	81616792 Sb 512-0/3 by,sl he
15604547/L Sb(Pl) 726-0/6 GI11	33040908/L Sx(SbPl) 831-0/13 st he,ri GI11	51466905/L Sb(Pl) 526-0/9 GI11	66108568 Sb 527-0/9	82026412 Sb(PlAt(Sx)) 526-0/11 he
16664693 Sb 715-0/5 by	33288237 Pl(Sb) 626-0/12 by	51604936/L PlSb 525-0/11 by GI11	67478836 Sb 924-0/3 by,sl he	82515332 At(Sx) 736-0/17 he
16734614 Sb 711-0/4 by,sl he	33847376/L PlSb 735-0/12 GI11	52115325/L PlSx 534-0/17 ri he GI11	67950477 Sb 810-0/2 by,sl he	82555408 SxAt(Pl) 536-0/16 he
18764555 Sb(Pl) 512-0/6 by,sl he	33888214 PlSb 820-0/7 by,st he ri	52386238/L PlSb 525-0/13 he,by GI11	67984926 Sb(Pl(Sx)) 726-0/7 by	83045277 Sx(PlSb) 830-0/13 by,he,st,ri
19614646/L PlSb 525-0/10 by,he GI11	33907709 Sb 410-0/3 by,sl he	53154835/L AtSxSb(Pl) 534-0/15 he GI11	70635691/L PlSb 523-0/12 by GI11	83254990 Sx(PlSb) 830-0/13 by,he,st,ri
20195055 Sb 525-0/9 by	33960868 SxPl(EpSb) 735-0/13 st he	53576709/L Sb(Pl) 516-0/8 by GI11	70946829/L AtPl(SbSx) 535-0/18 st he,ri GI11	
21115801 Sb 510-0/3 by,he,sl	34259702 Sb 727-0/7	53931029 SbSx 825-0/5 st he,ri	71186676 by,sl he	
23944556 Sb 726-0/6 by	34365114 At 537-0/17 he	54646680 by,he,la,sl	71486745/L At(SbPl) 537-0/17 he GI11	
24388022 Sb 510-0/3 by,he,sl	34597492/L Sb(Pl) 725-0/6 by GI11	55106851 Pl(Sb) 522-0/15 he,by,la,sl	72186737 Sb 515-0/6 by	
25276273 SbPl(Sx) 824-0/4 by,ri,st he	34647235/L Pl(Sx) 934-0/12 ri,st he GI11	55235809 Pl 527-0/13 he	72717911/L AtSx(Pl) 433-0/17 he,sl GI11	
25365418 Sb 511-0/6 by,sl he	34939417 Sb 727-0/7	55917108/L PlAt 730-0/14 st he GI11	73300897 PlSb 835-0/11 by he	
25674584 Sb 826-0/6 he by	35205118 Sb 527-0/9	56359722 SxSb 843-0/10 st he,ri	73667866/L Sb(Pl) 516-0/8 GI11	
25997968 Sb 510-0/3 by,he,sl	35257600 Sb(Pl) 726-0/6 by	56775525 PlSx(Sb) 734-0/12 by,sl he	73709528 Sb 715-0/5 by	
26074556 Sb 510-0/2 by,sl he	37580942/L At(Pl) 735-0/18 he GI11	58554989/L Pl 524-0/13 he GI11	73949306 Sb 825-0/4 by	
26204595 Sb 820-0/5 by,sl he,ri	38159139 Sb(Pl) 725-0/5 by	58735152/L Pl(SbAt) 733-0/13 he GI11	74157400 Sb 514-0/6 by,sl he	
27194886 Sb 516-0/7 by	39348197/L Sb(Pl) 723-0/9 by he GI11	59028857 Sb(Pl) 727-0/6	75417779 Sb 517-0/8	
27349644 Sb(Pl) 825-0/6 sl he by	39718876 PlSb 735-0/12 by,sl he	59128819 At 737-0/15 he	75848557/L PlSb 825-0/6 sl by GI11	
27394630 Sb(Pl) 723-0/5 by,sl he	39954714 Sb(Sx) 826-0/5	59516712 Sb 526-0/9 by	76674972 Sx 844-0/14 st he	
27395160 Sb 726-0/8 by	40694780 Sb(Pl) 825-0/9 by	59535325/L AtSbSxPl 832-0/8 he GI11	77209708 Sb 510-0/3 by,sl he	
27934646 Sb(Pl) 727-0/7	42816236 PlSb 726-0/10 by	59807788 Sx 630-0/17 st he by	77945883 Sb 510-0/4 by,sl he,la	
28429905 Sb(Pl) 710-0/2 by,sl he	43011130 Sb 527-0/9	60245627/L Pl(SbAt) 535-0/16 by GI11	78171462 Sb 922-0/3 by,sl he	
28776818 Sb(PlSx) 824-0/4 by,ri,st he	43089918 PlSb 735-0/13 by	60506716 Sx 830-0/9 by,st he,ri	78400718 hg,ur,sl	
29247035 PlSb 820-0/7 by,sl he,ri	44735965 PlSb 726-0/10 by	60747629 Sx 630-0/17 st he by	78451253 Sb 413-0/3 by,sl he	
29500586/L Sb(Pl) 727-0/7 GI11	44835276 Sb 517-0/7	61454876 Sb 527-0/10	78847978 PlSb 723-0/11 st by he	