Vegetation Map

094P060

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 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 *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.

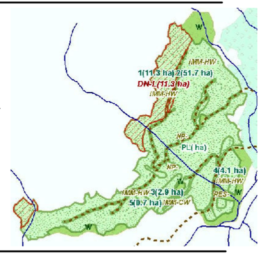
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

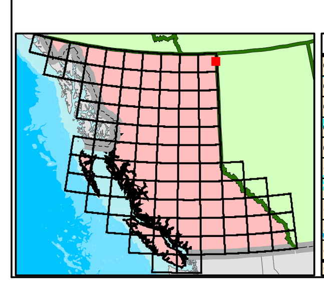
Example Opening History Details

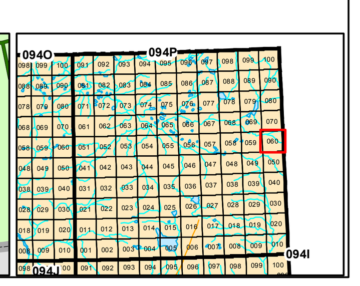
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

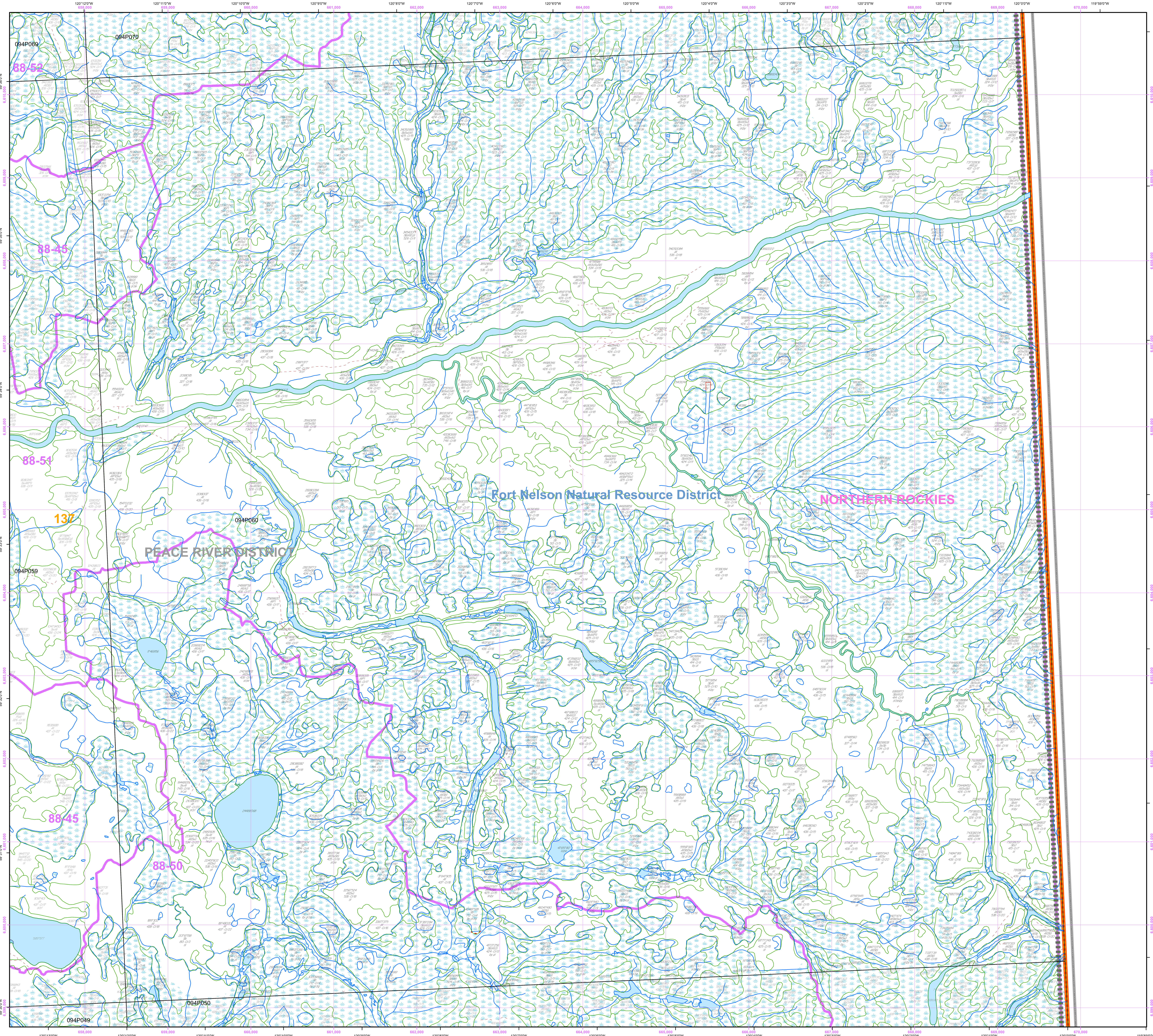
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

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









Overflow Labels

11452940 At(SwSb) 424-O/14 sl he	35082257 Sb(Lt) 410-O/8 la sl he	57827049 At(Sb) 437-O/20	80219774 At(SwSb) 435-O/19 sl
11733168 At(SwSb) 424-O/14 sl he	35573244 Sb(At) 424-O/13 sl	58193554 SwSb(At) 423-O/15 sl by	80468064 At(PlSb) 426-O/14
12122906 SbAt 424-O/11 sl by	35663368 Sb 415-O/4 by sl	58741086 PlAt(Sb) 426-O/14 by	82417258 SwSb 632-O/13 sl he
12463186 SbAt(Sw) 524-O/7 sl by	36173343 SwSb(PlAt) 426-O/12 by sl	59937102 At(Sb) 437-O/20	
12901478 SbAt 414-O/8 by sl	36319329 SwSb(At) 434-O/17 sl he	60662222 Sb(Pl) 413-O/7 by sl he	
13630610 At(SwSb) 426-O/14 sl	36503320 Sb(Lt) 520-O/7 la he sl	61329904 SwSbAt 436-O/18 sl by	
14918762 At(SwSb) 435-O/16 sl by	38529353 At 211-O/8 sl by es	61472584 Sb(PlAt) 424-O/11 by sl	
15768017 At 438-O/18	38530420 At 733-O/16 sl	61982199 AtPl(SbSw) 425-O/13 sl by	
16170747 SbSwAt 416-O/9 sl by	39269470 SwSb(At) 434-O/17 sl he	62389935 At 437-O/15 sl	
16486840 At 438-O/18	39787795 Sb 513-O/7 sl by	63033567 SwSb(At) 423-O/15 sl by	
16567174 SbSwAt 425-O/12 sl	40549553 SwAt(Sw) 431-O/17 sl he	63112767 SwSb 523-O/12 mu sl he	
16756825 SbSwAt 425-O/12 sl	40826940 Sb 412-O/6 sl by	63622435 AtSw(Sb) 435-O/18 sl	
17476717 Sb 712-O/4 by sl bg	40928892 At 211-O/8 sl by es	63793621 SbAtSw 425-O/16 by sl	
17526748 SbAtEp 414-O/9 sl he	41138106 At 437-O/16	64079826 SwSbAt 426-O/13 sl by	
17811157 SbAt 310-O/7 la sl	42211086 SbSw(At) 426-O/14 by sl	64693241 Sb(At) 320-O/18 la he sl	
19259579 Sb(SwAt) 523-O/7 la sl he by	42298569 la he	64862632 SwSb 523-O/12 mu sl he	
20840713 Sb 414-O/7 sl by	43262004 Sb(Lt) 520-O/7 la he sl	65247273 LtSb 413-O/6 sl by	
23763274 Sb(PlLt) 521-O/7 sl by	43546915 Sb 412-O/6 sl by	65317663 SbLt(At) 414-O/7 sl by	
25722647 Sb(Lt) 411-O/9 by sl	44162111 SbLt 520-O/7 la he sl	65747108 SbSw 724-O/5 sl he by	
26132833 Sb(AtSwLt) 415-O/9 sl by	44806946 At(Sb) 437-O/18	65837166 Sb 413-O/7 by sl he	
26380321 At(SwSb) 424-O/8 sl by	47963493 Sb 413-O/4 by sl	67417163 AtSb 438-O/17	
26459850 Sb(At) 420-O/12 la he sl	49209099 Sb(At) 410-O/8 sl la by he	68597162 At(Sb) 437-O/21	
26516795 Sb 513-O/8 sl he by	50100955 Pl(AtSb) 436-O/17 by sl	69073633 Sb 413-O/4 by sl	
26619348 SwAt 425-O/16 by	50957037 AtSb 437-O/20 sl	75507809 la he sl	
27159627 At(SbSw) 421-O/10 sl he	53179745 Sb 513-O/5 by sl	76427201 AtSb 438-O/17	
32141348 Sb(At) 414-O/6 sl by	53457036 AtSb 437-O/17	76827663 At 426-O/14 sl	
32941843 Sb(Lt) 411-O/8 sl by	53793480 SwSb(At) 423-O/15 sl by	77047976 Sb(At) 415-O/8 sl	
33519224 Sb(AtSw) 425-O/13 by sl	54131247 AtSb 312-O/10 sl	77388071 Sb 510-O/5 la he	
33843380 Sb(PlLt) 521-O/7 sl by	55128674 SbLt 413-O/4 sl by	77628092 SbSwAt 423-O/14 he sl	
34149632 At(Sw) 437-O/19 sl	55137020 AtSb 437-O/17	77702788 SbPl(Lt) 724-O/8 by sl	
34743376 Sb(PlLt) 521-O/7 sl by	56957782 SbLt 411-O/7 sl mu	78112100 SbPl 723-O/8 sl by	
34857782 SbAt(Lt) 424-O/13 by sl	57251124 Pl(AtSb) 426-O/14 by	79920017 At(SwSb) 435-O/19 sl	