BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map

094J039

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 *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
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 COMERCIAL BRUSH
NP NON PRODUCTIVE
NSR NOT SUFFICIENTLY RESTOCKED
NTA NO TYPING AVAILABLE

Line 6 - Disturbance History

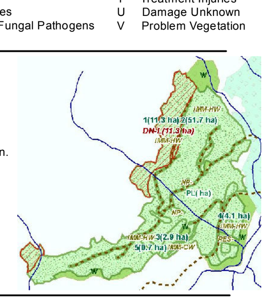
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

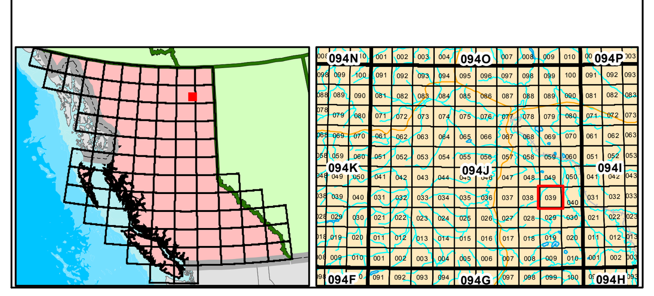
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

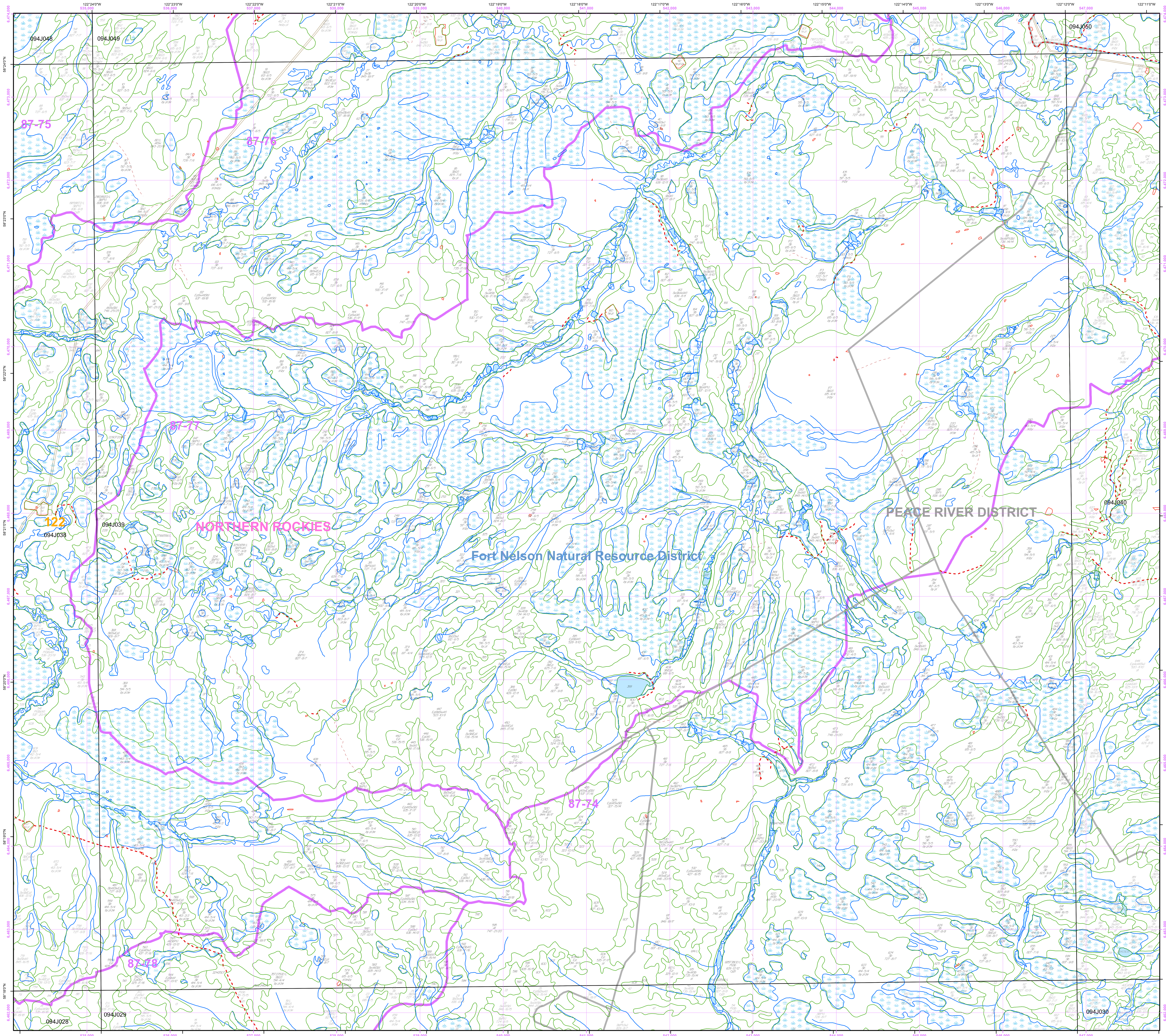
Example Opening History Details

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 Sb 827-7/7	122 Sb 627-8/7	245 Sb 414-5/4 by sl he	377 Sb 820-8/7 st	536 he la sl	645 At 748-19/18
2 At 845-20/19 sl he	123 Sb 413-5/4 by sl he	251 Ep(Sb) 626-11/10	378 Sb 415-5/4 by sl he	539 AtSb 647-20/19	651 At 747-21/20
4 At(Sw) 730-16/15 st	124 Sb 827-8/7	253 Sb 617-6/5 sl by	380 Sb 612-6/5 st	540 Sb 414-5/4 by sl he	652 At 748-19/18
5 At(Sw) 745-20/19 st	125 SbAt 727-9/8	276 Sb 613-6/5 he sl by	384 At 746-19/18 st	547 Sb 515-5/5 by sl he	656 At 537-19/19
7 Sb 828-7/6	129 SwSb(AtAc) 535-18/17 st	277 Sw 730-10/10 st he	385 Sb(Sw) 726-7/6	557 Sb(Lt)Sw 635-13/12 sl he	660 Sb 612-5/4 sl he la
8 At(Sw) 730-16/15 st	134 Sb(At) 836-13/12	278 Sb(At) 828-7/6	387 SwSb(Ep) 736-15/14	560 SbAt(SwEp) 727-9/8	668 Sb(Lt) 513-5/4 sl by
9 Sb 827-5/5	136 Sb 823-7/6 st	281 Sb 517-5/5	394 Sb 513-4/4 sl he	561 Sw 844-14/13 st	670 Sb 615-6/5 sl
14 Sb(Lt,Ep) 723-7/6 st	141 Sb 823-7/6 st	295 LtSb 822-6/8 he sl by	396 Sb 727-6/6	568 Sb 413-3/3 by sl he	674 Sb(Sw) 727-10/9
21 Sw 841-16/15 st ri	147 EpSw(At) 537-17/17	299 Sb 414-5/4 by sl he	403 SwAt 535-15/14	577 At 537-19/19	675 EpAcAt(Sw) 520-11/10 st
22 Sb 828-8/8	152 Sb 822-7/6 st	301 At(Sw) 737-19/18	409 Sb 514-5/5 by sl he	581 Sb 413-3/3 by sl he	22607206/L Sb(SwAtPl) 836-13/11 G111
29 sl he by la	153 Sb 822-7/6 st	303 Sb 722-6/5 he sl by la	413 Sb 617-6/5	584 Sb 618-6/5	27166556/L SwPl(AtSb) 737-14/13 G111
39 Sb 513-5/5 by sl he	166 At 747-20/19	311 Sb 415-5/4 by sl he	424 Sb(Sw) 726-6/5 st	585 Sb 414-5/4 by sl he	32143507 SbAt(Pl) 526-9/8 sl
46 SwSb 846-14/13	170 he sl la	314 Sb 415-5/4 by sl he	434 Sw(Ep) 845-18/18 sl	586 Sb 516-5/5 sl by	35323410/L PlSb 736-15/15 sl G111
52 Sb(At) 527-10/10	178 Sb 612-6/5 sl la he	320 Sb 726-10/9	437 Sw 830-13/13 st la	590 Sb 414-5/4 sl he	41173441/L Sb(Pl) 826-8/7 sl G111
53 At 537-20/20	181 Sw 730-14/13 st he la	321 At 747-19/18	440 Sb 627-8/7	592 Sb 728-6/5	67633596/L SbPl(At) 826-8/8 G111
55 SwSb(At) 836-14/13	182 Sb 413-5/4 by sl he	324 SwSb(At) 635-14/13	451 EpSw 425-15/14 st	594 Sb(SwAt) 836-10/9	69254549/L PlAt 636-21/20 G111
58 Sw(Ac) 636-15/14 st	184 Sb 827-5/5	325 Sb 617-6/5 sl by	452 Sw 427-17/16	596 AtEp(Sb) 534-19/19 st	71064748/L At(Pl) 646-20/19 G111
59 AcSw 746-18/19	186 SwSb(Ac) 845-14/13	331 Sb 417-5/4 sl by	458 Ep 420-12/11 st	597 Sw(AtSb) 846-16/15	72790118/L PlAtSb 435-20/19 G111
60 AtSb(SwEp) 435-21/20	195 Sb(Sw) 726-10/9	338 At 748-21/20	464 Sb 415-5/4 by sl he	598 SwEp(At) 637-13/12	
61 At(Sw) 537-19/19	196 Ep(Sb) 635-13/12	341 Sb 617-6/5	466 Sb(PlSw) 825-8/8	600 Ep 428-16/15	
62 Sw(Ac) 845-18/18 st	198 Sw(Ac) 635-17/16	345 Sb 413-5/4 by sl he	471 At(Sw) 647-20/19	601 EpSb(SwAt) 426-15/14	
63 Ep 313-10/10 es	202 Sw(Ac) 835-14/13	355 Sw 845-16/15	483 Sb 727-6/5	602 Sw 426-17/16	
64 At(Sw) 537-19/19	203 Sb 728-7/6	357 Sb 414-3/3 by sl he	485 SbEp(LtSw) 724-8/8 sl	603 At 537-19/19	
65 Sw(Ac) 845-18/18 st ri	213 Sb(SwAtPl) 617-6/6	359 he sl	490 Sb(Ep) 627-7/6	607 EpSw 732-17/17 st	
66 At 423-15/14 sl he es	217 At 747-19/18	361 Sb 311-6/5 sl by he la	498 At 637-18/17	608 Sb 417-5/4	
67 At 438-21/20	223 Sb(SwEp) 617-6/5	362 EpAc(AtSw) 324-12/11 sl he	499 Sb 413-5/4 by sl he	609 Sb(PlSw) 826-8/7 sl	
69 At(SwSb) 437-21/20	227 Sw(Ac) 733-16/15 st	363 Sw(At) 736-15/14	501 SbSw(Ep) 725-11/10	614/L AtSbSw 732-17/16 st	
73 SwEp(AtSb) 336-24/23 st	228 Sb 513-5/5 by sl he	364 Sb(Lt) 626-10/9 sl	505 Sw 845-17/17	625 Sb 727-8/7	
75 At(Sw) 537-18/18	233 SbSw(At) 835-10/9	365 LtEpSb 635-11/12 sl	509 At 638-19/18	627 Sb 827-10/9	
76 SwSb(AtEp) 336-22/22 st	234 Sb 514-5/5 by sl he	366 Sb 413-5/4 by sl he	511 At 637-19/18	632 Sw 845-18/17	
102 Sb 414-5/4 by sl he	235 Sb 414-5/4 by sl he	367 Sb(SwEp) 826-8/7 sl	518 SwEp(At) 527-13/13	634 Sb 415-5/4 by sl he	
103 At 747-19/18	236 Sb 414-5/4 by sl he	371 SbEp(PlAt) 726-6/6 sl	523 Sw(At) 745-17/16 st	636 At(Sw) 637-17/17	
108 Sb 727-6/5	238 Sb 414-5/4 by sl he	372 SbEp(PlAt) 726-6/6 sl	528 At 647-20/19	638 AcEp(Sb) 423-14/14 sl he	
116 SwAt 646-19/18	239 Sb 514-5/5 by sl he	373 At(PlSb) 737-18/17	531 At 647-20/19	639 EpAc(Sw) 323-10/10 sl he	