Vegetation Map
094J068

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 *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

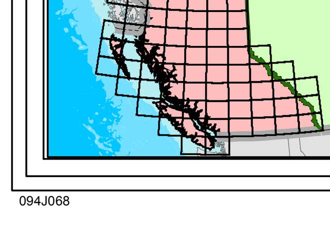
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

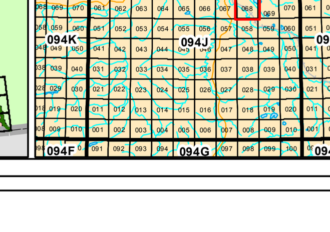
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

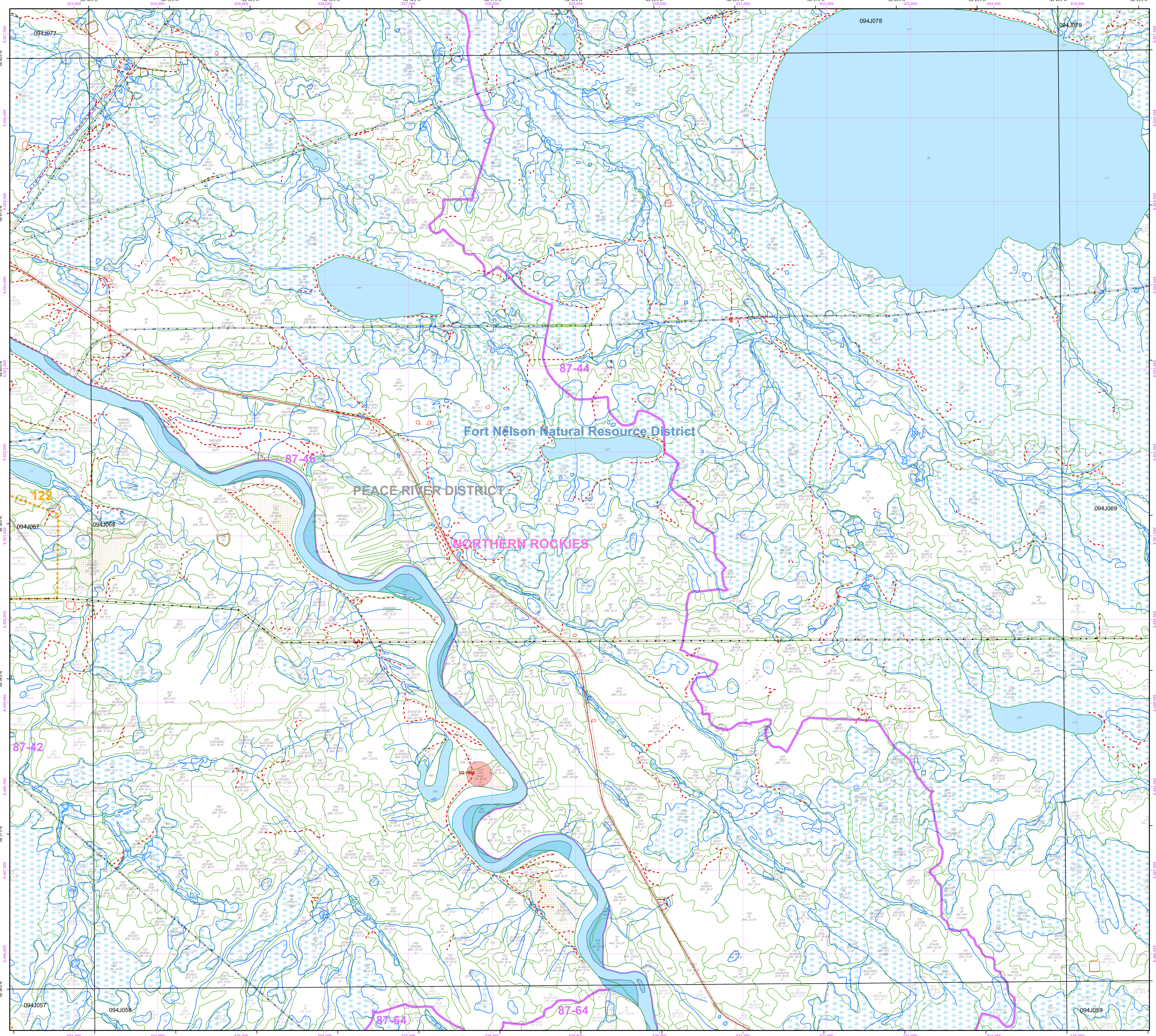
Example Opening History Details

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

8 AtSb 727-12/10	128 Sb 614-3/3 sl hg by	290/L AtEpAc 323-18/18 st	454 Sb 825-8/8 st	568 EpAtSw(Ac) 215-8/8 st	686 EpAt 321-15/15 sl	826 SbEp(At) 713-5/4 st
17 Sb(Lt) 825-5/4 sl	129 At 846-20/19	301 SbLt 834-15/14 sl	460 SwSb(Ep) 830-9/8 st	570 SwSb(At) 736-16/15	687 AtEpSb(Lt) 324-17/16 sl	827 AtSw 846-22/21 st
35 Lt 813-2/5 sl	133/L EpAt(Ac) 213-15/15 es st	307 Sb 836-10/9	462 At 436-19/18	574 Sb(At) 837-15/14	695 SbSwAt 625-9/8 st	828 SwAt 646-19/18
36 SbAt 835-13/12	140 Sw(Ac) 636-16/15	309 SbLt 835-15/14 sl	467 SwSb(Pl) 846-17/16	577 Lt 823-7/9 st	696 At 647-25/24	829 SwSb(At) 635-16/15 st
37 Sb 815-4/3 sl	143/L At(SwAc) 832-17/15 st	316 AtSb(Sw) 842-20/19 st	468 AtSw(Sb) 846-23/22	578 AtSw 746-22/21	○37 733 AtAcEp) 226-15/15 st Gl75	830 Sb(At)(Lt) 615-5/5 sl
38 SbAt 826-9/8	146 Sw 830-9/8 st	325/L EpAtAc 225-15/15 st	469 AtSw(Ep) 213-10/10 st	586 Ac 346-32/31 st	740 LtSb 834-12/13 st	835 EpAt(Sb) 532-16/15 st
47 Sb 825-5/4 sl	148 Sb 725-10/10 st	336 SwSb(At) 835-14/13 st	471 SbAt 736-12/11	587 Ac 214-10/10 st	749 SwAt 545-20/20 st	837 SwAt(Sb) 645-19/18 sl
48 Lt(Sb) 822-4/6 sl	153 SwSbAt 834-14/13 st	339 Sw 830-14/13 sl la	480 SbAt(Sw) 736-13/12	589 Ep(At) 321-15/14 st	752 SwSb 436-19/18 sl	838 AtSw 846-22/21
51 Sb(Lt) 827-8/7	157 SbSw) 825-8/8 st	343 AtEp 831-17/16 st	481 Sb 726-11/10 st	590 Ep(Sw) 635-18/18 st	755 Ep(Sw) 636-20/21	840 Ep(SwAt) 635-17/17 st
52 SbAt 836-15/14	158 SwSbAt(Ep) 831-13/13 st	344 AtSb 747-22/21	484 AtSwSb 845-20/19 sl	591/L EpAt 214-15/15 st	765 SwEp 523-10/9 es sl	841 Sw(At) 424-12/11 st
53 Lt(Sb) 834-13/14 st	160 AtSb 846-23/22	345 AcSw(AtEp) 845-22/23 st	489 EpSbAt(Pl) 214-8/8 st	593 AcEpAt 216-10/10 st	778 SwSb(At) 635-15/15 sl	843/L Ep(AtSbLt) 222-15/15 st
55 Sb(Lt) 836-12/11	170 Sb 826-10/9	346 Ac 446-26/26	493 EpAtSbAc) 217-8/8 st	594 At(Sw) 845-23/22	780 SwEpSb) 636-15/15	845 Sb(AtEp) 414-5/4 sl
57 SbAt 836-15/14	172 SbSw(At) 826-8/8	348 Ac 445-28/28 st	495 SwSb 846-18/17	603 SwAc 846-22/21	781 Sb 416-3/2 sl	846 At(Ep) 534-21/20 st
59 LtSb 833-12/13 st	173 SbEp 824-10/9 st	356 AcSw(AtEp) 216-10/10	496 At 846-20/19	607 SwAt 835-11/11 sl	784 es	848 sl la
62 Sb(Sw) 835-15/14 st	177 AtAc 210-8/8 m st	358 SwSb 835-14/13 st	498 Sb(Lt) 827-7/6	609 Ep 635-20/21 st	785 Sb(Sw) 626-9/8 sl	849 SbEpSw(Ac) 711-5/4 st
69 Sb 847-18/16	197 Sb 826-7/6	359 At 846-19/18	502 Sb(Sw) 836-17/15	611 AtSw 636-17/16	790 Sb(AtSw) 825-10/9 st	850 Sb 414-5/4 sl hg
71 Sb 836-16/15	201 LtSb 813-3/4 st	360 Sw(AtEpSb) 830-11/11 st	503 At 846-23/22	612 AtEp(Ac) 212-5/5 ct sl	791 Sb(AtEp) 415-4/3 sl	45365861 SwSb(At) 646-20/19 st
72 Sb 847-18/16	211 At(Ac) 213-10/10 m st	362 SbSw(At) 835-16/15 st	507 AtSb 736-18/17	613 EpSw(AcAt) 424-12/11 st	792 SbSw(At) 626-11/10	46415840 At 846-22/21
73 SbSw 837-16/15	231 SbAt 835-10/9 sl	364 Sb 714-4/4 st	515 Sb 836-10/9	614 Sw 621-10/10 st es	793 At(Sb) 647-22/22	49086615/L Ac 214-10/10 st
74 AtSb 747-24/23	233 Sb 825-7/6 st	365 Sw(Sb) 846-16/15	526 SwSb(At) 836-14/13	618 EpSw 636-17/17	794 SwSb(At) 535-15/14 sl	50156742 At(Ac) 213-8/8 st es
78 At(Sb) 746-24/23	236 SwSb 846-15/14	367 Sw(Sb) 845-16/15 st	527 SwSbAt 836-13/13	620 Sw(At) 636-15/14	795 Sb(AtEp) 415-4/3 sl	54236376 Ac 338-20/28 Gl75
80 Sb(At) 836-11/10	237 Sb 713-2/2 sl	371 Sw(Ep) 836-13/12	531 At 845-23/22	626 AtSw 635-19/18 st	797 Ep(AtSb) 326-15/15 st	○1 54366361 Sw 211-18/18 st Gl75
81 Sb 836-10/9	239 Sb 836-10/9	372 SbSw 835-15/14 st	534 Sb 836-10/9	627 Ac 445-28/28 st	799 Sb(AtEp) 626-7/6 sl	55975245 sl hg
88 Sb(Sw) 836-15/14	242 Sb(At) 826-9/8	373 LtSb 821-7/10 st m	537 AtSw(SbEp) 636-17/17	629 AcEpAt 226-20/20 st	802 Sb 613-2 sl hg by	○1 64475662 SwEpAc 211-18/18 st Gl75
90 Sb(Lt) 835-10/9 st	244 Sb 816-4/4	379 SwSb(At) 846-16/15	548 AcSw 856-26/26	632 Sw(Sb) 736-15/14 st	806 Sb(SwAt) 625-9/8 st	64546034 sl
103 At(Sb) 747-19/18	245 Sb(Lt) 826-10/9	391 Ep 521-11/10 st	550 Ac 856-26/26	634 la st hg	808 SbSw(Lt) 824-7/6 st	65234958 la st
105 Sb 727-9/8	246 SbAt 825-8/7 st	400 SwSb 835-13/12 st	552 AcEpSw(At) 646-24/24	635 Sw(Sb) 746-17/16 st	810 AtAc 215-8/8 st	65626036 sl
110 Sb 836-14/13	247 AtSb 736-18/17	404 Lt 822-8/10 st	554 EpSwAt(Sb) 636-18/18	639 Ep 635-20/21 st	811 Sw(At) 546-20/20	65915213 AcSw 238-20/26 Gl75
112 At 844-20/19 st	248 At 735-18/17	409 SwSb(At) 846-15/14	555 Sw(Sb) 635-14/13 st	647 Sw 830-9/8 st	813 SwAtSb 845-20/19 st	67644903 AcSw) 238-20/26 Gl75
121 At(Ac) 845-20/19 st	249 Lt(SbAtEp) 814-2/3 st	425 At 844-20/19 st	556 Sw(Sb) 625-10/10 st	652 Sw(Sb) 846-15/14	814 Sw(AtSb) 337-26/25	
122 AtAc 215-8/8 st	257 At 835-17/15 st	435 Sb 725-8/7 st	557 At(Sb) 845-20/19 st	669 Sb 823-7/6 st	815 AtEp(LtSb) 324-17/17 st	
123 SwSb 845-18/17 st	274 Sb 833-13/12 st	440 SbAt(Ep) 824-7/6 st	564 At(Ep) 647-22/22	682 At(Sw) 745-20/19	816 Sb 812-4/4 st	
124 Ac 645-26/26 st	276 Lt 810-1/2 sl	443 At 845-20/19 st	565 Sw(Sb) 736-16/15	683 SwSb 735-12/11 sl	817 Sb 513-2/2 sl	
127/L AtEp(Ac) 215-8/8 st	285 SbAt 745-19/18 st	446 sl	566 AtSw 846-23/22	684 AtEpAcSw) 646-21/20	820 SwSb(At) 845-18/17 st	