Vegetation Map
094N027

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

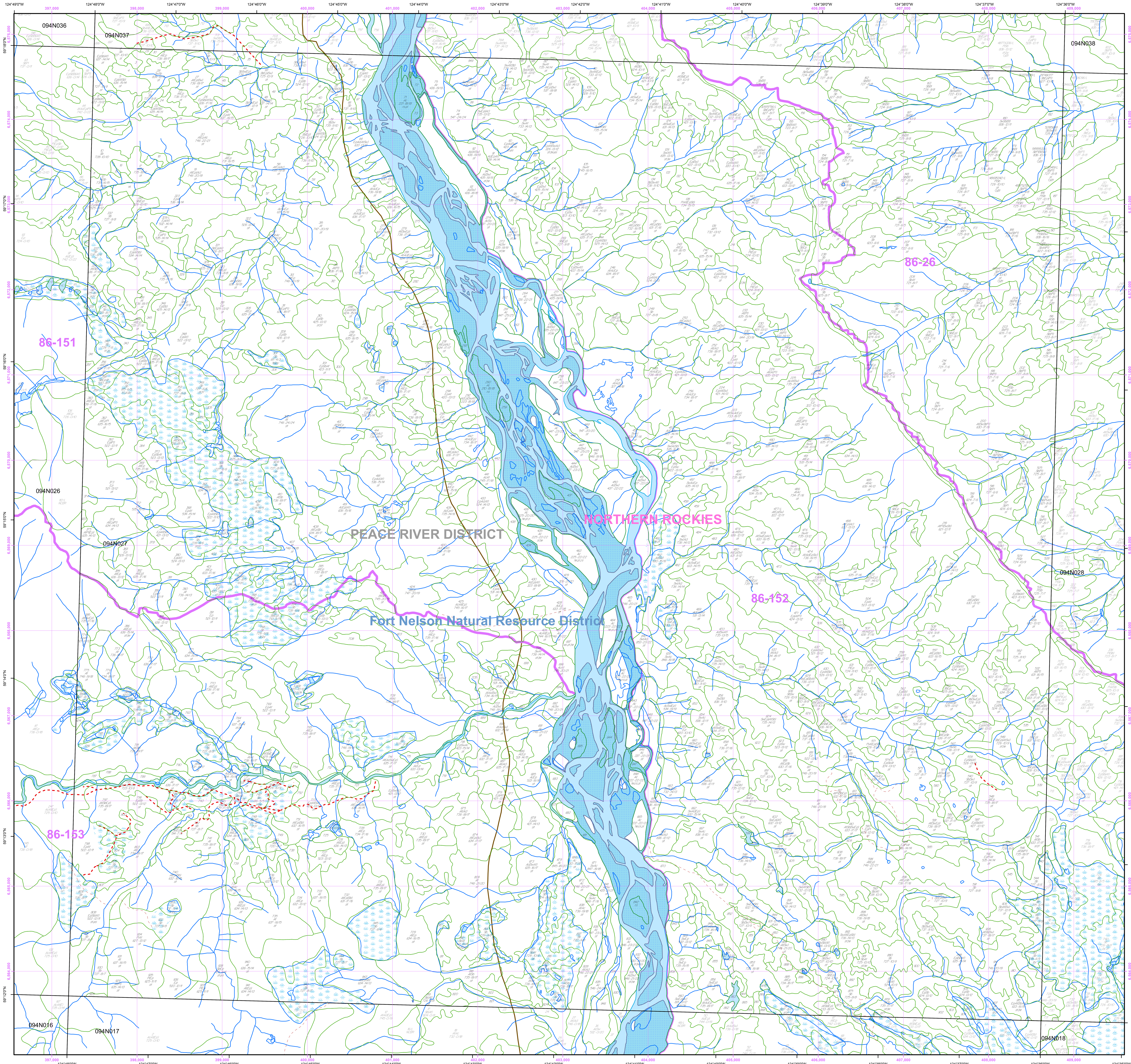
Scale 1:20,000

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
tc 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

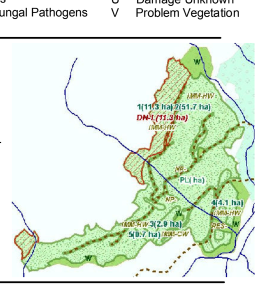
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

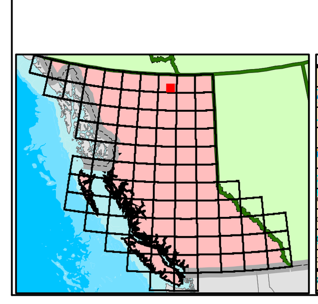
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

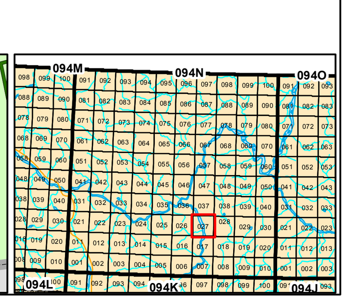
Example Opening History Details

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

3 Sb 527-10/9 sl	77 EpSb(Sw) 424-16/15 st es	268 SwEp 534-17/16 st	387 AtEp 621-10/9 st	539 At(Sb) 746-19/18 st	677 At 630-14/13 st es	782 AtSb 620-12/11 st he	852 EpAt 624-13/12 st	919 At(SwSbPl) 630-17/16 st
4 Sb(Sw) 736-13/12 st	84 SwEp 732-12/11 st	275 Ep 321-14/13 st es by	396 SbEp 624-9/8 st	542 Sb(Sw) 727-10/9 st	681 Ac 225-22/22 he st rs	783 hg la st	855 AtEpAc(Sw) 735-17/17 st	921 SbAt 511-7/6 st
7 Sb 527-11/10 st	85 EpAt(Sw) 324-16/15 st	282 AcAt(Ep) 634-15/16 st	402 EpSb(At) 421-12/12 st	543 Sb 716-5/5 by sl	682 Ac(Sw) 536-18/18 st	785 Sb 620-7/6 he la st	858 SwEp 730-12/11 st es	922 At(EpPl) 637-14/13 st he
9 EpAt 622-13/12 st	86 AcAt 537-18/18 st	283 Ac 212-18/18 sl he rs	405 sl bl	545 At(SbPl) 736-18/17 st	683 Ac(Sw) 536-18/18 st	786 Sb(At) 726-8/7 st	859 Sw 836-13/13 st	923 Ac 225-22/22 he st rs
11 PlSb 736-15/15 st	89 Ep 310-10/10 es sl he	284 Ep(Sw) 320-14/13 st	422 EpAt(Sb) 424-14/13 st	547 SbEp(At) 726-10/9 st he	684 Ac 326-22/22	787 AcSb 321-19/19 st es	862 Ep(Ac) 523-12/12 st he	924 At(Sb) 736-18/17 st
13 Sb(SwEp) 736-12/11 st	96 EpSw(At) 425-14/13 st	287 Ep(At) 521-12/11 st la he	423 At(Ep) 637-14/13 st	553 Ep(Sb) 421-9/9 la by	689 Ac(Sw) 337-20/20	788 AtSbEp 634-14/13 st he	864 EpAt(Sw) 522-13/12 st he	926 At 736-18/17 st
14 At(SbEp) 735-16/15 st	102 Ep(AtSwAc) 316-10/10 st	289 Ep 320-13/12 st hg la	432 AcEp 322-14/14 st	554 EpSb(Pl) 426-10/10 st	693 Ac 225-22/22 he st	789 AcAt(Sb) 646-18/19 st	865 Sw(Ep) 533-13/13 st he	928 Sb 727-8/7
15 SbAt 735-11/10 st	103 Sw(Ep) 735-14/14 st	293 Ac 222-20/20 he sl rs	434 Ac 225-20/20 he sl ri	561 At 635-17/16 st	694 Ac 224-22/22 he rs st	790 AtAc 732-18/17 st	866 AtEp 735-18/17 st	946 Ac(Sw) 546-22/22 st
16 At(SbPl) 736-16/15 st	104 EpSw 423-11/11 st	298 EpAt 522-13/12 st	437 Ac 225-20/20 sl he ri	573 Sw 630-15/15 st	695 Ac 221-20/20 rs he	792 Ac 437-21/21 st	867 AtSw 736-16/15 st	947 At(Sb) 624-12/11 st
18 Sb(At) 736-11/10 st	112 At(Ep) 635-13/12 st	300 PlEp 625-12/12 st	438 AcAt(Ep) 228-20/20	580 Ep(Sb) 522-14/13 st	699 SwAt 630-13/12 st es he	799 Sb 627-7/6 st bl	868 Pl(Sw) 834-16/16 st he	948 At(Sw) 633-17/16 st
21 At(Sb) 632-19/18 st es he	116 Sb(Pl) 611-6/5 br by sl	303 At(EpSb) 633-19/18 st bl	443 AcEp(At) 221-17/17 st	582 SbEp(Sw) 626-10/9 st	700 AtSw(Ac) 635-16/15 st	800 SbEp(At) 622-8/7 st	869 Sw 836-14/13 st	949 Sw 837-13/13 st
24 Sb(Ep) 737-11/10	121 Sw 833-12/11 st	304 Sb(Ep) 720-7/6 st he la	446 Sw 335-24/23 ri st	585 EpPl(At) 423-13/13 st	702 Sw(Ac) 743-19/18 st	801 AcAt(Ep) 735-14/16 st	870 SwEp 630-14/13 he	950 SbEp 620-10/9 st
29 Sb 727-10/10	128 SbEp 727-8/7 st	305 SbAt(Ep) 726-8/7 st he	455 EpSw 420-13/13 st es he	588 SbEp 510-7/6 st	705 At 630-16/15 st	804 Sb 727-8/7 st	873 Sb 726-9/8 st	50376098/L At(Pl)(Sb) 623-12/11 st GI11
30 SbAt(Ep) 736-12/11 st	132 Sb(AtSw) 734-11/10 st	306 Sb 827-7/6 st bl	458 AcEp 530-14/15 st	595 SwSb(At) 737-12/11 st	708 At(EpSb) 733-17/16 st	807 At 636-14/13 st	874 SwSb(At) 730-13/12 st he	
32 Sb(Sw) 737-11/10 st	133 SwEpAt(Sb) 631-13/12 st	312 EpSbPl(At) 527-12/11 st	459 EpAc(Sw) 322-14/13 st	600 hg sl	712 At(SwEp) 632-16/15 st	810 Sb 626-8/8 st	876 Sb 726-6/6 sl by	
34 Sw(Sb) 736-15/14 st	135 SbSw 736-12/11 st	326 Ep 520-13/12 st	473 Ep(AcSw) 636-14/13 st	601 At 736-18/17 st	713 Ep 321-12/11 st es	811 Sb(At) 726-10/9 st bl	877 Sb 727-8/8 st	
35 SbSw(Ep) 723-11/10 st	143 SbPl 611-5/5 br by	328 Sb(Ep) 727-9/8 st	482 AcSw 734-14/16 st	605 SwSb(At) 737-12/11 st	715 At 630-17/16 st	814 Sb 625-9/8 st	882 AtEp(Sw) 735-17/16 st	
36 SbAt(Ep) 737-11/10 st	156 Sb 627-8/7 st	337 EpSb 422-12/12 st	483 SwEp 422-17/16 st	607 SbAtSw 624-10/10 st	719 st he es	816 AtSb 736-17/17 st	886 SbSw 737-11/10	
40 SbSw(At) 737-12/11 st	160 SbBl 722-9/8 st	339 Sb 620-6/6 st he la	484 SwAc 734-12/12 st	609 Sb(At) 727-9/8 st	721 At 520-14/13 st	820 At 735-18/17 st	887 Sb(At) 722-9/8 he st la	
41 Sb 727-9/8 st	173 Pl(Sb) 724-10/10 st	341 Ep(Sb) 521-12/11 st	489 AtSw 633-17/16 st	622 EpSw(At) 522-13/12 st	725 At(Ep) 735-18/17 st	821 AtEp(Sb) 733-17/17 st	888 Sw(Ac) 737-12/11 st	
45 AtEp(Sb) 737-17/17 st	182 Sb 726-8/7 sl	343 EpSb 422-13/12 st	497 la by st	626 SwSb(At) 736-13/12 st	738 At(Ep) 634-17/16 st	822 At 737-17/17 st	892 SbEp 720-9/8 st he la	
49 Sb(Sw) 727-10/10	187 Pl(SbEp) 737-15/15 sl	345 Ep 320-13/12 st es	498 AtSbPl(Ep) 635-14/13 st	634 EpSb 421-12/11 st	739 AtEp 631-14/13 st	824 At(Sb) 736-19/18 st	895 Sw(Sb) 736-14/13 st	
52 At 736-14/13 st	190 SbAtPl 622-11/10 st	350 EpAtSb 522-13/12 st	500 SwAt(Sb) 736-11/10 st	638 SwEp 630-13/12 st	743 AtSb(Ep) 633-14/13 st	829 st ri	899 SwSb 735-14/13 st he	
56 AtEp 730-14/13 st es	227 At 735-16/15 st	351 At 737-18/17 st	506 AtEp 635-14/13 st	641 Ac(Sw) 546-21/21 st	749 At 736-18/17 st	830 Ac 546-22/22 st	900 EpSb 635-14/14 st	
57 At(Ep) 736-19/18 st	234 EpSb 411-8/7 la by	357 Sb 514-8/7 st bl	509 AtEp 634-17/16 st	644 Ac 221-22/22 he rs	752 AtAc 636-16/15 st	834 AcSw 431-19/19 st he	902 Sb 727-10/10	
59 At 730-16/15 es sl	236 Sb 510-5/5 sl by br	359 Sb 527-9/8 st	510 At 633-17/16 st	645 Ac 221-22/22 he rs	754 EpSb 421-11/10 es	840 AcSw 441-25/24 st ri	903 EpSb 635-13/13 st	
61 At 730-17/16 es st he	241 SbEp(Pl) 625-6/6 st	361 EpAt 521-12/11 st	513 At(Ep) 635-14/13 st	647 Ac 222-22/22 he rs sl	756 Ac(At) 637-17/17 st	843 Sw 846-17/16 st	904 Sb 727-10/10	
65 Ep(AtSb) 637-14/14 st	259 Ac 210-18/18 rs	364 Ep(Sb) 521-13/12 st	520 SbPl 610-5/4 br by sl	650 Ac(Sw) 431-18/18 st	758 Ac 435-16/16 st	844 Ac(Sw) 744-17/17 st	905 Sb 622-8/7 he st by	
67 SwEp 730-11/10 st es	262 AcSw 647-23/23 st	371 Sb 727-10/9 st	524 Sb(SwPl) 723-8/8 st	653 SwEp 632-12/11 st	760 Sb 726-8/8	845 At(Sw) 731-16/15 es sl	910 Sb 737-12/11 st	
72 Ac 222-18/18 rs sl	263 AcSw 437-20/20 st	374 SbEp 720-8/7 st	528 PlSb 725-10/10 st	659 EpSb 420-12/12 st la	763 AtSb 733-17/16 st	848 st	916 Sb 526-11/10 st bl	
73 Ac 536-20/20 st	266 AcSw 320-18/18 st	378 At(Ep) 636-16/15 st	535 Ep(Sb) 525-14/13 st	668 Sw(Ep) 736-12/12 st	766 Sb(Ep) 727-8/8 st	850 Sw 734-13/12 st	917 Sb 727-10/9 by	
76 SwAc 745-21/21 st	267 AtSw(Ep) 630-15/14 st	381 Ep 520-12/11 st	538 Sb(Sw) 727-10/9 st	670 Sw(Ac) 736-13/12 st	779 At 520-12/11 he la sl	851 At 736-17/17 st	918 EpAt 525-13/12 st	