BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map

094N019

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
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

○12
123/L
Fd(Hw)
211-20
he,sl
GL78

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)	4b HEIGHT CLASS CODE	LIMITS (metres)	4c CROWN CLOSURE CLASS CODE	LIMITS (percentage)
				0	0 - 5
1	1-20	1	0.1 - 10.4	1	6 - 15
2	21-40	2	10.5 - 19.4	2	16 - 25
3	41-60	3	19.5 - 28.4	3	26 - 35
4	61-80	4	28.5 - 37.4	4	36 - 45
5	81-100	5	37.5 - 46.4	5	46 - 55
6	101-120	6	46.5 - 55.4	6	56 - 65
7	121-140	7	55.5 - 64.4	7	66 - 75
8	141-250	8	65.5 +	8	76 - 85
9	251 +			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 VEGETATED
- el Exposed Land
- ro Rock / Rubble
- si Snow / Ice

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 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

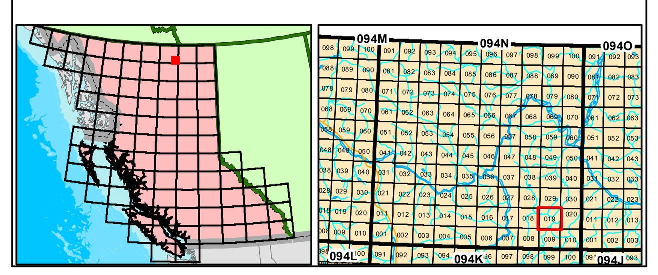
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

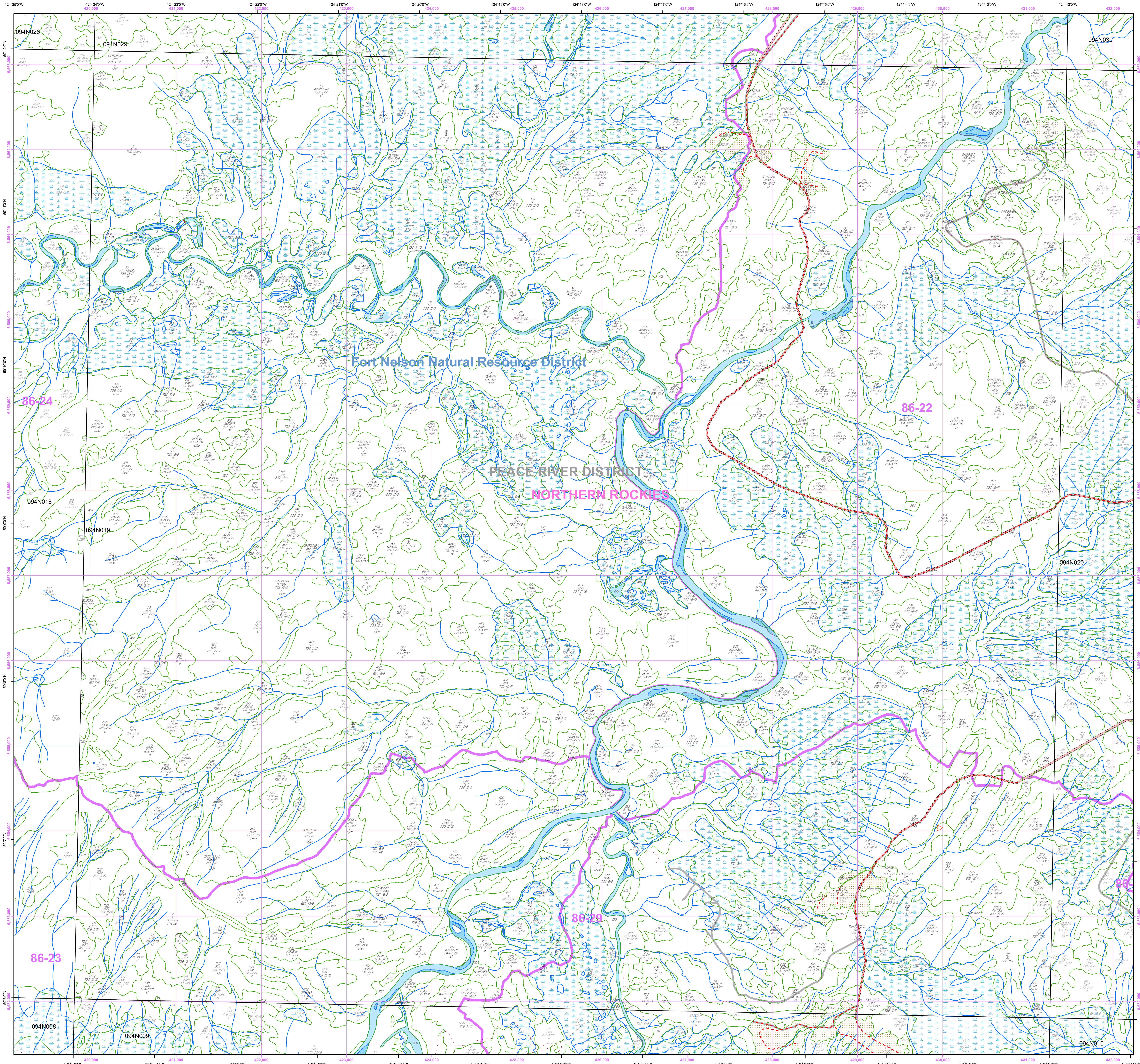
A Animal Damage; B Wildfire; C Cone and Seed Insects; D Diseases; I Insects; L Logging; M Mite Damage; N Non-Biological Injuries; P Cone and Seedling Fungal Pathogens; R Site Rehabilitation; T Treatment Injuries; U Damage Unknown; V Problem Vegetation

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 AtPl 731-19/18 st	130 SbEp 721-9/8 st	209 AtEp(Sb) 731-14/13 st	321 Sb 726-10/9 sl	487 Sb(At) 737-11/10	635 AtSw(Act) 736-18/17 st	769 Sb(AtSw) 723-7/6 ta,sl,by	85438634 At 730-18/17 st
4 AtPl 731-19/18 st	131 AtEp(Sb) 732-17/16 st	211 Sb 827-5/5 sl	334 Sb(At) 620-9/8 sl	488 Act 736-14/14 st	641 At(SwAct) 736-16/15 sl	771 Act 327-15/15	○ 3 87429292 Sx 111-20/20 GL04
6 AtEp 731-18/17 st	134 Sb 625-10/10 sl	212 At(Ep) 731-17/16 st	338 Sb 727-8/8	490 SwSb(At) 636-14/13 st	642 Sb(AtSw) 737-11/10 sl	772/L AtSw 732-14/13 st	
11 Sb(At) 726-10/9 sl	137 At 736-17/16 sl	216 Sb(At) 827-8/8 sl,by	347 AtSb 736-18/17 sl	491 Act 746-18/17 st	644 Sw(At) 746-16/15 st	777 SwEp(AtSb) 635-14/13 st	
12 At(Sb) 732-14/13 sl,he	139 AtSw 631-16/15 st	218 AtSbEp 731-18/17 st	350 AtSb 630-13/13 sl	494 Sb(At) 726-10/9 sl	646 Sb 727-10/9	781 Sb(At) 726-6/6 sl	
13 Sb(AcAt) 725-8/8	141 At 736-17/16 st	220 Sb 727-10/9 sl	351 Sb 726-9/8 sl	499 Sb 725-8/7 sl,by	651 Sb(AtPl) 623-8/7 br,by	785/L AtAc 226-15/15 st	
17 SbAt 726-8/8 sl	142 AtSw 735-18/17 st	222/L AtSbPlEp 731-18/17 st	353 Sb 727-8/7	500 Sb 612-5/5 sl,he,by	656 AtSbEp 735-16/15 st	787 Sb(At) 726-6/6 sl	
18 AtSb(AcSw) 735-18/17 st	144 AtEp 536-15/15 sl	226 At(Sb) 736-17/15 st	355 Sb 613-5/5 sl	503 SwAt(Sb) 736-15/14 st	658 At(Sb) 735-18/17 st	788 SbAcSw 826-9/8 st	
21 EpAc 425-11/10 sl	145 At 730-17/16 st	229 Sb(EpAt) 736-11/10 st	356 Sb 615-6/5 sl	510 Sw(Ep) 746-17/16 st	672 Sb(Lt) 615-6/5 sl,by	789 Sb 727-8/8 st	
25 AtSb(Sw) 736-18/17 sl	146 AtSw 731-16/15 st	230 SbAt(Pl) 736-12/11 st	374 At(Sb) 735-17/16 st	511 Ep(AcSw) 225-14/14 es,sl	676 SbEp 622-6/6 br,by	791 Sb 726-10/9 sl	
26 SbAt 720-7/6 st	148 AtSw 730-16/15 st	236 AtPl 735-14/13 st	383 PlSb 726-10/10 sl	520 Act 223-18/18 sl,he,rs	678 SwAt(Sb) 635-12/11 st	792/L AtAc(Sw) 226-15/15 st	
32 Ep 521-9/8 st,es	153 SwSb(EpAt) 736-14/13 sl	241 PlSbAt 722-11/10 st	392 Sb 610-6/5 hg	521 ActSw 746-19/19 st	687 SbPl 726-8/7 sl	798 At 735-18/17 st	
33 Sb 726-8/7 st	159 At(Sb) 735-17/16 st	244 SbAt 726-9/8 st	399 Sb(Pl) 625-6/6 by,br	524/L EpAt(Sw) 224-14/14 st	713 Pl 611-6/6 br,by,sl	799 SbAt 726-10/9 sl	
42 At(Sw) 735-16/15 sl	160 At(Sb) 736-18/17 st	245/L ActAt(Ep) 224-15/15 st	401 Sb(Pl) 726-8/7 sl	533 AtSbEp 732-16/15 st	716 PlAt 721-8/8 st	801 AtEp(Sb) 732-17/16 st	
44 ActAt 324-15/15 sl,he	161 At(Sb) 736-18/17 st	249 Sb 726-7/6 st	402 PlSb(EpAt) 721-11/10 st	544 EpSb 622-13/11 st	718 SbBl 821-7/6 sl	810 Sb 526-11/10 sl	
45 ActSw(At) 735-14/14 st	162 SbAt 721-8/7 st	252 At 736-17/16 st	406 PlEp 725-8/7 sl,he,by	549 AtSbEp 632-14/13 sl	720 Pl 610-4/4 br,by,sl	812 AtSb 732-16/15 st	
47 At(Sb) 732-17/16 sl	166 At(Sb) 736-17/16 st	258 SbEp(At) 721-7/6 st	407 SbEpPl(At) 724-10/9 st	552 AtSbEp 732-13/12 st	722 Pl 720-8/8 st	818 Sb 615-4/3 sl,by	
48 At 736-18/17 sl	168 AtEp 730-16/15 st	260 SbEp 720-6/6 st	410 Pl(At) 725-11/10 st	562 Sb 726-10/9 sl	723 PlAt 720-8/8 st	820 Sb(At) 727-11/10 st	
50 Sb(Act) 435-20/19 sl,hg	169 Sb(At) 725-10/9 sl	264 Sb 727-10/9	412 SbSw 724-10/9 st	565 Sb 827-10/9	724 AtPl 625-11/10 sl	824 Ep(Sb) 522-10/9 st	
51 ActSw 430-17/16 hg,ta	170 AtEp 730-16/15 st	267 Ep 620-10/9 st	414 SbAt 622-10/9 st	568 SbPl 827-10/9 sl	726 Pl(At) 735-12/12 sl	27147266/L SbPlAt 725-8/7 he,sl GL11	
53 AtAc(Sb) 633-14/13 st,he	172 SbEp(At) 726-10/9 sl	268 AtSbEp 631-13/12 st	415 Pl(AtSb) 725-8/8 sl	571 Sb 725-6/6 sl,by	732 Sb 726-7/6 sl	41234889/L PlEpSb 722-9/9 st GL11	
59 AtSb 731-16/15 st	173 SbSw(Ep) 836-11/10 st	270 Sb 726-8/7 sl	416 SbPl 726-10/9 sl	585 Sb 726-7/6 sl	734 At(Sb) 736-18/17 st	65019298 AtEp(Sb) 732-16/15 st	
66 Sb 715-5/4 sl,by	175 AtSb(EpAc) 733-16/15 st	271 AtSb 731-16/15 st	418 PlSbBl 622-9/8 by,sl	591 SbSw 836-10/9 st	741 Pl(At) 722-11/10 st	65339274 At 635-0/18 st	
71 Sb 716-5/4 sl	179 Sw(ActEp) 836-14/13 st	272 At(Sb) 735-18/17 st	419 EpSb 526-8/7 sl	605 Sb 615-5/5 sl,by	746 PlAt 724-12/12 st	73444095 SbEp(At) 721-10/10 st	
82/L At(Ac) 225-19/19 sl,es	188 Sw(At) 636-15/14 st	282 ActSw(At) 736-14/14 st	431 Pl(AtSb) 722-11/10 st	609 Sb 715-5/5 sl,by	751 Pl(At) 723-8/7 br,sl,by	75583382/L At(Sb) 742-19/18 st	
86 Sb(Sw) 726-10/9 sl	191 Act 225-18/18 st,rs	289 At(SbEp) 632-15/14 st	437 SbAt(PlEp) 622-8/8 st,he	610 Sb 715-5/4 by,sl	753 AtPl 736-15/14 st	75884043 Sb(AtPl) 726-10/9 sl	
87 AtSwAc 735-18/17 st	197 SbEp(AtSw) 726-9/8 st	293 At(Ac) 736-18/17 st	461 Sb 725-8/7 sl	621 Sb 610-6/5 br	757 AtAc 746-20/19 st	○ 5 76044273 Sx 110-15/15 GL04	
91 Sb 716-5/4 sl	201 AtEp(SbAct) 635-15/14 st	303 EpSb(At) 522-12/11 st,es	464 Sb 727-10/9 sl	623 Sb 727-8/8	758/L ActEp 324-14/13 st	76763405 SbAt(Pl) 826-8/8 st	
98 At(Sw) 731-17/16 st,he	202 AtEp(SbAct) 635-15/14 st	306 ActSw(At) 736-14/14 st	469 Sb 726-8/8 sl	626 SbSw 736-11/10 st	759 SwActAt 746-19/18 st	77614165 Sb(Sw) 836-12/11 st	
102 Sb 620-6/6 hg,st,by	204 Sb(At) 626-9/8 sl	310 Act 325-14/13 st,rs	473 Sb 727-6/5 sl	627 SbAt 621-7/6 sl	760 Sw(At) 736-14/14 st	83348857 At 746-20/19 st	
111 Sb 721-8/7 sl,ta,he	205 At 745-19/18 st	316 Sb 621-6/6 sl,he,by	476 Sb(At) 726-10/9 sl	629 SwSb(At) 736-14/13 st	763/L AtSw 631-17/16 st	84769043 At 113-20/20 GL04	
117 AtSb(Pl) 734-17/16 sl	206 At(EpAc) 732-17/16 st,es,he	320 AcSb 631-11/12 st	480 Sb 610-5/5 hg	633 Sb 726-6/6 sl	767 Sb 721-9/8 st	85344009/L SbPl(At) 836-11/10 st GL11	