Vegetation Map
094J004

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
O12 — 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

O12 - 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.

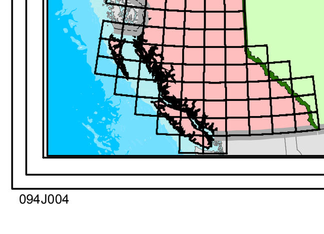
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

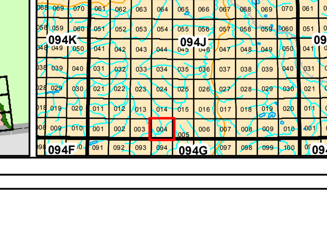
Example Opening History Details

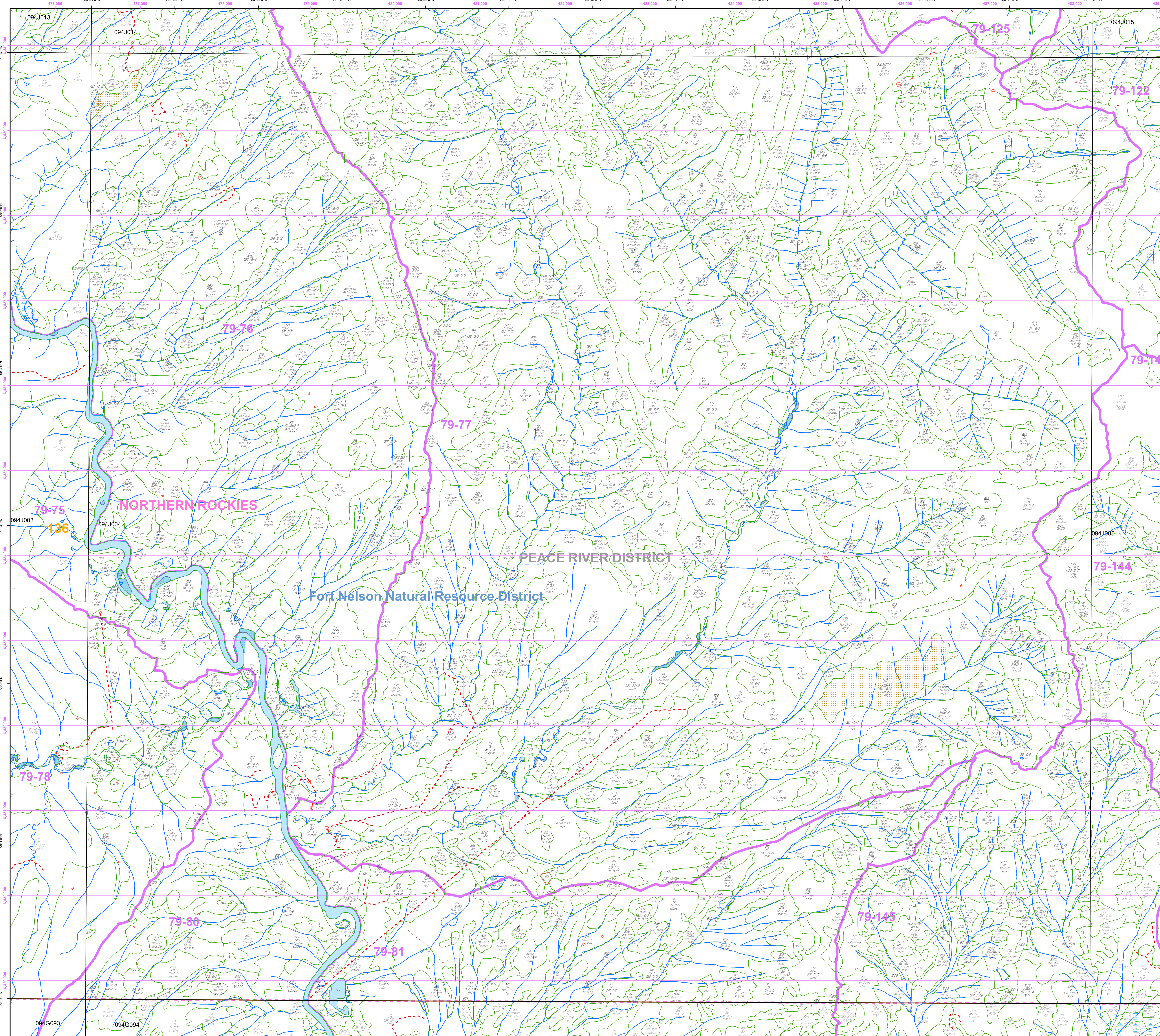
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

5 AtSw 320-16/15 es	146 Pl 427-15/14 he sl	282 PlSbAt 314-8/8 sl by he	461 Pl(Sb) 426-14/13 sl he	641 Sw 317-10/10 sl he	784 Pl(Sb) 217-16/16 he	904 Sb(Lt) 516-5/4 by sl hf	982 AtSw 536-15/15 sl he	1078 At 436-16/15 sl he by
9 Pl 218-16/16	151 Pl 318-6/6	284 At(Sw) 313-10/9 es he sl	462 sl rs he	644/L Sw 533-17/16 sl he by	791/L At 532-15/14 sl he	905 AtSb 526-13/13 he sl by	983/L AtSw(Pl) 317-8/5 sl he	2002 Pl(At)Sw 314-6/6 sl he es
12 Pl(At) 424-11/10 by sl he	152 SwSb(Pl) 425-14/14 by he sl	288 At(Sw) 326-14/13 sl he	465 ab sl he	645 Sw 313-10/10 es sl he	793 Pl 210-12/12 sl bg	908/L At 520-14/14 sl he by	985 AtPlEp 535-15/15 sl by he	2003/L Pl 525-14/14 sl he
15 At(Sw) 313-10/9 es he sl	156 es by sl he	291 Sb 310-3/3 sl by he	466 Sw 535-17/16 by sl hf	648/L At 422-15/14 he by	802 Sw(Pl) 322-17/16 hg sl	913 Sb 210-12/12 he sl	986 Pl(At) 537-16/15 hf by	2006 Sw(Ac) 533-19/18 sl ri he
16 Pl(At) 424-11/10 by sl he	164 hg sl	292 Pl(Sb) 424-13/12 sl he by	468 Sw 635-17/16 by sl hf	649 Sw 317-9/8 sl he	820 Pl 313-6/6 sl bg es	917 At(SwSb) 536-20/19 by he	990 AtEp(Sw) 537-15/15 by	2011 PlSb 426-14/13 sl by
18 Sb 314-6/5 sl he by	165 PlSb(Sw) 312-8/7 sl by he	302 Sb 825-7/6 by hf sl	482 AcSw 431-17/17 sl he	651 he sl	821 PlSb 426-14/13 sl by	918/L sl he by	996 At(SwPl) 317-6/6 he sl	1708617 Pl 426-12/11 he by
27 Pl(At) 413-8/8 he sl	169 PlAt 316-7/6 he sl	307 At(SwPl) 325-12/11 sl he	486 At(Sw) 531-16/15 hg es sl	654 AtSw 420-14/13 es bg	822 SbPl 317-5/4 sl he by GN55	922 At(Sw) 536-16/15 he sl	1000 AtEp(Sw) 524-15/14 sl he	34894108/L AtSw(Pl) 535-15/14 sl he GI11
37 AtSw 425-15/14 he sl	176 Pl 318-6/6 he	308 SwPl(At) 318-10/10	491 Sw 733-16/15 sl he by	659 Sw 530-21/20 ri sl	823 Sb(Lt) 410-5/5 sl by he	925 Sb 417-5/4 by	1001 AtEp 533-15/15 sl he	46926181/L SbPl 435-14/20 sl he by GI11
51 Pl 317-6/6	182 SbPl 315-7/6 by sl he	319 Pl 315-10/10 he sl	492 SwAt 421-16/15 hg sl	662 Sw 536-18/18 hf by	824 LtSb 523-8/8 by sl he	926 Sb 416-6/5 by sl bg	1002 At 525-15/14 he sl	85337337/L AtSw(Pl) 325-15/15 he sl GI11
65 SwPl 424-18/17 he sl by he	184 SbPl 522-8/7 by sl he	320 Pl 315-10/10 he sl	495 SwSb(Ac) 434-18/18 sl by he	666 SbSw(At) 316-7/6 he sl by	833 SbAt 525-9/9 by sl he	927 Sb(Lt) 515-7/6 by sl he	1004 AtSw 535-16/15 he sl	86657389/L Sb 314-8/7 sl he by GI11
68 Sb(Pl) 525-11/10 by	191 PlSb 411-8/8 sl he	323 PlSw 317-6/5 sl he	496 Sw 316-13/12 he sl	667 Sw 736-16/15 by sl hf	835 Sb(Lt) 512-8/7 by sl he	929 At(Sb) 526-14/13 he sl	1006 SwAt 437-17/16 hf	
69 Sw(PlBl) 426-18/17 by he	193 PlSwAt 313-11/10 sl he ri	327 Sw(At) 422-16/15 es he sl	499 At(Sw) 421-16/15 hg sl es	668 AtSb 536-15/15 he sl	836 Sb 311-11/10 by sl he	933 SbAt 715-4/3 by sl he	1008 Sb 314-6/5 sl by he	
70 Pl 423-15/14 he sl	195 PlSb 523-10/9 sl he	340 Pl 312-5/5 he sl es	509 AtSw 534-17/16 he sl	669 Sw 736-16/15 by sl hf	837 Sb 515-6/5 by sl hf	934 AtSw 420-17/16 es he sl	1017 SwAt 636-17/16 he sl	
73 Pl(Sw) 315-8/7 he sl	199/L PlAt 525-14/14 sl he	341/L PlSw 423-15/14 sl he	524 sl he	672 Sw 736-16/15 by sl hf	845 Sb(Lt) 514-6/5 sl by hf	936 Sb(At) 826-5/5 by he	1022 Ep 426-12/11 sl he	
83 At(Pl) 425-14/13 sl he	205 Sb 616-6/6 by hf	342/L PlSw 423-15/14 sl he	537/L At 314-7/6 sl he	675 Sw 535-18/18 sl hf by rs	846 Sb 514-6/5 sl by hf	938 Sb 615-4/4 by sl he	1029 At(SwSb) 536-18/17 he sl	
89 Pl(AtBl) 313-6/6 he es sl	209 PlAt 317-10/9 he sl	345 PlSw(At) 311-7/6 es sl he by	550 At 537-16/15 sl he	677 he la	847 Sb(At) 524-11/10 by sl	940 Sb 517-6/6 by	1030/L SwSb(At) 533-15/14 sl hf by	
102 Pl(At) 316-7/6 sl he es	211 SbPl 414-7/6 by sl he	353 SwAt 434-18/18 sl he by	558 AtSw 420-15/14 sl he	683 Sb 610-6/6 he sl by	852 Sb 310-5/4 sl he by	942 At 520-14/14 es he sl	1032 Sb 827-6/5 by	
103 AtPl(Sw) 425-15/14 sl he	213 Sb 311-4/4 by sl he	357 SbPl 312-4/4 sl by he	559/L AtSw 533-15/14 sl he	685 SwAt 434-16/16 sl he es	856 Lt 310-10/7 sl he by	945 Sb 310-3/3 sl he by	1037/L Sw 632-16/15 sl he	
114 SwAc 634-17/16 sl he ri by	219 SwAt 421-16/15 sl he ri	364 SwAc 532-20/19 sl he ri by	563 Pl 424-15/14 he sl	694 PlSb 313-9/9 by sl he	860 Sb 515-6/6 by sl hf	946 AtSb 424-15/15 sl he by	1045 SwAt 735-14/13 sl he by	
119 Sb(Sw) 824-7/6 by sl he	225 PlSb 425-13/12 by sl he	372/L Pl 422-16/15 sl he by	568 SwAt 535-16/16 sl he	696 Sb 311-3/3 sl by he	864 Sw 846-10/9 hf by	947 SbAt 715-4/4 by sl he	1048 At 317-9/9 sl he	
120/L PlSb 421-10/9 sl by he	228 PlSwAt 312-5/5 he sl by es	385 Sw(AcPl) 434-21/20 sl he ri	577 SwAc 530-19/18 hg sl	697 Sb 312-7/6 sl by he	865 Sw 846-10/9 hf by	949 Sb 717-4/4 by	1051 At 537-15/14 he sl	
122 Pl(At) 317-3/3 he	234 SbPl 311-9/9 sl by	393 Pl 310-4/4 he sl es	579 At 420-13/13 hg sl	718 SwAc(At) 536-19/18 sl hf by	868 SbSw 410-10/9 he by sl	950 Sb 816-5/4 by sl hf	1053 Sw(At) 317-10/10 sl he	
128 Sb 514-7/6 by he sl	241 hg sl by	400 SwAc 320-15/14 sl he ri	582 At 420-13/13 hg sl	720 Sb 317-9/8 sl he	876 SbSw 410-10/9 he by sl	951 SbAt 515-6/5 sl he by	1055 At 536-19/18 he sl	
129 Sw(AtPl) 425-14/13 sl he by	247 AtEp 425-11/11 sl he	407 Sw(Ac) 734-14/13 sl hf by ri	584 Sw 321-15/14 hg sl	722 AcSw 532-17/17 sl ri he	881 SwSb 425-17/16 sl he by	954 AtSb 526-14/13 sl he	1057 Sb 617-5/5 by	
130 AtPl 316-4/4 he sl	249 Pl 312-5/5 es he sl by GN55	418 AtPl(Sw) 326-14/14 sl he	602 At 533-19/18 sl he	726 Sb 914-2 he by sl	882 SwSb 536-15/14 by sl hf	957/L At 522-15/14 sl he by	1065 AtSw 634-17/17 he sl	
131 PlSb 522-10/9 by sl he	253 PlSb 316-7/6 by he GN55	426 AtPl 326-13/13 sl he	604 SwAt 535-17/17 sl he	727 Sw 317-17/16 sl hf by	883 AtSb 325-17/17 sl he by	958 At(Sb) 526-14/14 he sl	1069/L Ep 425-11/10 sl he	
135 Pl(AtSw) 314-6/6 sl he es	254 AtSw 325-14/14 sl he GN55	427 At(Pl) 326-13/13 sl he	618 Pl 210-12/12 hg sl	738 Sb 414-5/4 by sl he	887 SbAt 821-6/6 sl he ri	959 Sb 316-6/5 sl by he	1070 AtSb 317-6/5 sl he GN55	
136 SwPl 424-16/15 sl he es	255 PlSb 316-7/6 by he GN55	447 PlSb 425-15/14 he by sl	620 Pl 316-8/8 sl he by	742 AtSb 537-15/14 he sl	890 Sb 513-6/5 sl by he	960 At 525-14/14 he sl	1071/L Ep 425-11/10 sl he	
138 Sw 434-17/17 sl ri he	257 Sw(Ac) 835-13/13 sl he by	451 PlAt 426-14/13 sl he by	626 PlSw 423-15/14 he sl	743/L At 533-16/15 he sl	894 SbAt 613-6/6 sl he by	963 es sl he	1073 Sw(At) 734-14/13 he sl	
139 PlAt 316-5/5 he sl	259 At(Sw) 426-16/15 he sl	452 PlAt 316-8/8 hf sl by	637 Pl 316-7/7 he sl es GN55	749/L At 534-16/15 he sl	897 Sb 517-7/6 hg	970/L At 422-15/15 he sl by	1075/L At 314-8/8 sl he GN55	
144 SbPl 513-5/5 sl he by	261 Sw(AtSb) 326-15/14 by sl he	458 Sb 313-5/4 he sl by GN55	638 Pl(SbSw) 313-5/5 sl he GN55	755 Sb 317-5/5 sl he by	900 Sb 317-4/4 sl hf by	977 Sw(At) 536-16/15 sl he	1076 SwSb 636-15/14 by	
145 At(Pl) 316-6/5 he sl	278 Pl(SwSb) 424-16/15 sl he by	459 Sb(Pl) 314-5/4 sl he by GN55	639 hg sl es	770 At 536-18/17 he sl	902 Sb(At) 724-7/6 sl by hf	979 SbAt 535-15/15 sl he	1077 AtSb 317-6/5 sl he GN55	