BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
094P050

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:

O12
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

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 hybrid
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)	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-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.

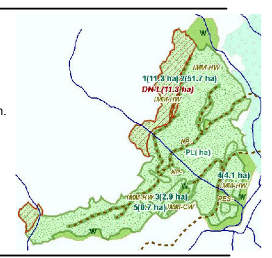
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

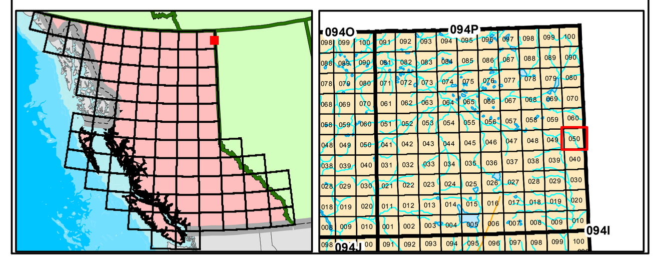
Example Opening History Details

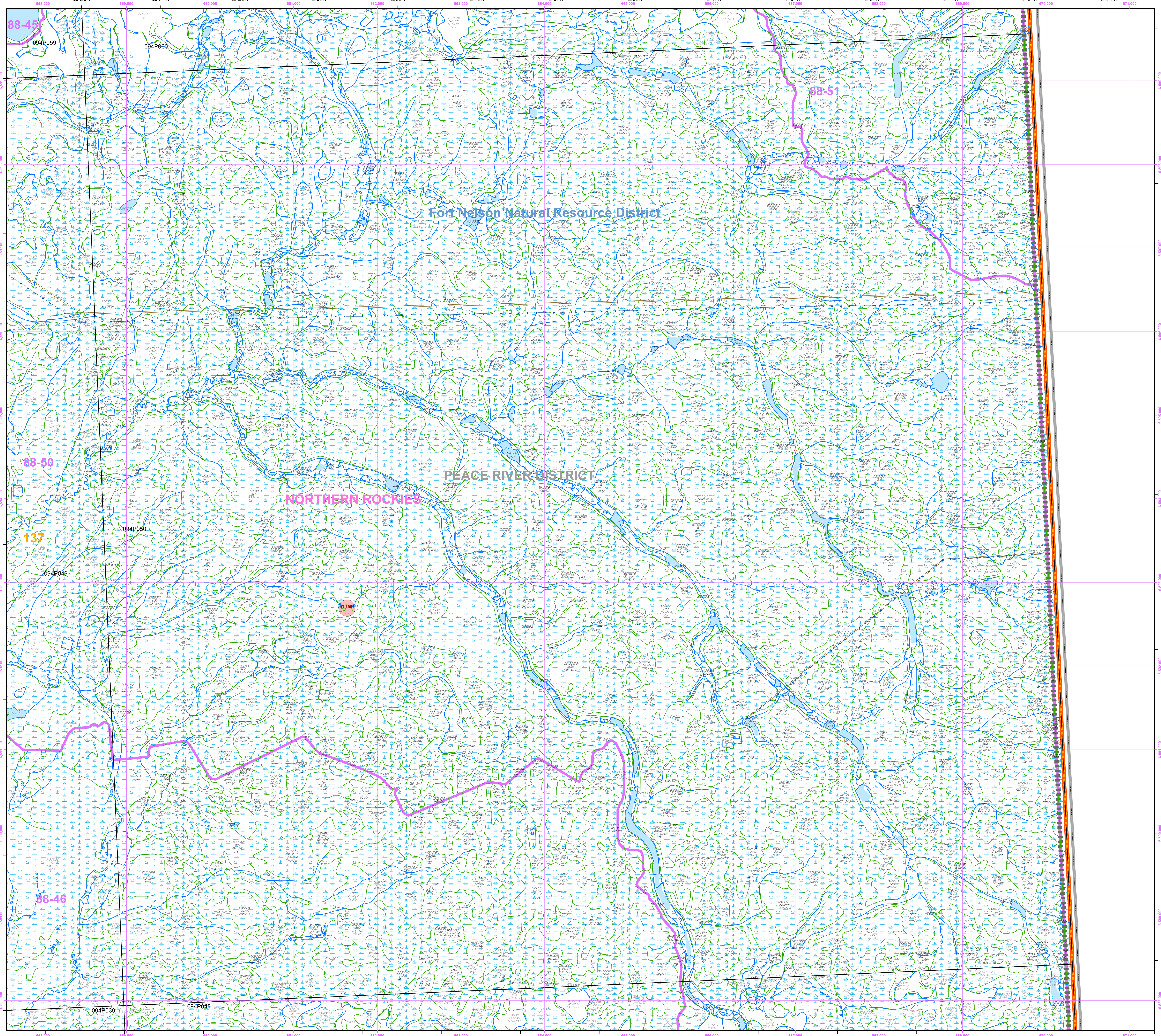
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

16856635 SbAtE.p 414-O/9 sl he	22524364 he sl by	49590433 AtSb 437-O/17	69300693 LtSb 314-O/7 sl by	82577028 Sb 612-O/5 sl by
17026384 SbSw(Lt) 413-O/8 sl by he	23210487 SbSw(Lt) 625-O/6 sl by	50170426 Sb(Sw) 414-O/8 by sl	70081839 Sb(Sw) 515-O/8 by	82630822 Sb(SwAtLt) 625-O/9 sl by
17216210 AtSbSw 437-O/19	23435719 SbLt 313-O/10 sl by he	51483038 Sb 517-O/7 by	70085718 Sw(SbAt) 733-O/12 st	82796827 Sb 612-O/4 sl by he
17486609 Sb 712-O/4 by sl bg	25420221 SwSb 833-O/10 sl by	52040447 Sb(Sw) 414-O/8 by sl	70666408 AtSb 437-O/20	82840710 At(SbSw) 437-O/20
17795309 SbAt 524-O/8 sl by	25861440 SbLt 416-O/7 sl	53520431 AtSw(Sb) 536-O/20	70667100 Sb(Sw) 726-O/5 by	83436128 At(SbSw) 537-O/19
18304694 At 438-O/21	27110226 SbSw 826-O/7 sl by	53872553 At(SbSw) 416-O/7 by	70907123 At(Sb) 438-O/15	83825785 Sb 426-O/13 by
18424600 Sb 536-O/16 sl	27780252 LtSbE.p) 426-O/10 sl by	53956978 Sb 423-O/9 sl he	71325269 Sb(Sw) 724-O/8 sl by	84794369 SbAt 415-O/8 sl by
18434500 Sb 614-O/4 sl by	28021611 Sb 611-O/4 sl by	54645981 At(Sb) 437-O/18	71813486 Sw(Sb) 532-O/15 sl bl	85283033 Sb(Lt) 416-O/7 sl by
18485643 AtSb 437-O/19	28083034 SbSw 824-O/9 st	54663705 SwSb 433-O/22 sl	72330647 Sb 624-O/6 sl by	86142707 SbSw 513-O/6 sl by
18685800 SbAt(Sw) 614-O/5 sl by	28841487 Lt 410-O/7 he sl	55413096 AtSb 427-O/14	72410610 SbLt 416-O/9 sl by	86182411 Sb(Sw) 623-O/9 sl he by
18784105 SwSb 330-O/23 st	29833992 SwSb 533-O/14 sl he	55774711/L E.p 315-O/10 st	72525459 SwSbAt(E.p) 636-O/12	86262772 Sb(Sw) 624-O/6 sl by
18794671 Sb 613-O/5 sl by	31580270 SbLt 513-O/8 sl he by	56274333 Sb(Lt) 510-O/4 sl he by	72782109 SwSb 533-O/18 sl bl	86662270 Sb(Sw) 523-O/9 sl he by
18916675 Sb 712-O/4 by sl bg	32774634 SwE.p(Sb) 420-O/13 he sl	56944005 Sb(Sw) 724-O/5 sl by	73057109 Sb(Sw) 512-O/6 sl by he	86682182 Sb 512-O/4 sl by
19103655 SbAt(SwLt) 516-O/8 sl by	34064150 Sb(At) 525-O/8 sl by	5695193 SwSb 733-O/12 sl by	73587124 At(Sb) 438-O/18	87531128 Sb(LtAt) 416-O/9 sl by
19113846 SwSb 533-O/15 st	34562654/L Sb 721-O/7 sl	57082749 Sb 514-O/6 by sl	74206976 Sb(Sw) 512-O/6 sl by he	87671001 Sb(At) 723-O/7 by sl
19273711 AtSb 438-O/20	35152392 LtSb 211-10/10 sl he	57201566 mu he	76061654 AtSb(Sw) 436-O/17	87900869 Sb(At) 723-O/7 by sl
19373551 SbLt 514-O/4 sl by he	38502392 SbAt(Sw) 523-O/7 sl he by	57232134 Sw(Sb) 534-O/17 sl bl	76153281 Sb(Sw) 513-O/7 sl by	
19463329 AtSb 437-O/18	40290335 Sb(Lt) 513-O/5 sl by	57421466 Sb 417-O/9	76463698 SbAt 417-O/9	
19493447 Sb(At) 824-O/6 sl	40411935 Sb 514-O/5 sl he by	57801896 At(SbSw) 437-O/18	76997164 Sb(Sw) 512-O/6 sl by he	
19722950 SbLt 623-O/7 by sl he	41521648 SwSb 833-O/11 sl	58721206 SwSb 633-O/5 sl	77070630 Sb(At) 416-O/9 by	
19783642 Sb 512-O/5 sl he	42514572 Sb(Lt) 711-O/5 sl	59693408 he sl	77852420 SbLt 514-O/7 sl by	
19803247 AtSb 437-O/18	42856881 la he sl	59737015 Sb 412-O/7 sl he by	78270646 AtSb(Sw) 437-O/19	
19903145 SbLt 412-O/6 sl by he	43314216 Sb(At) 511-O/5 sl by he	60001918 Sb(Lt) 512-O/5 by sl he	78416741 sl he	
19942990 Sb(Lt) 414-O/6 sl by	44024214 SbAt 610-O/5 sl by	60562814 SwAt(Sb) 745-O/16 sl	79476950 SwSb 632-O/13 sl he	
19952736 Sb 610-O/4 sl he by	44312409 SbSw(Lt) 614-O/5 sl	61423230 Sb(SwE.p) 312-O/9 st	79512466 Sb 412-O/6 by sl he	
20102656 Sb 724-O/5 sl by	46615218 Sb(At) 622-O/7 sl by he	62710547 SwSb 534-O/15 sl by	80232700 SbSw(Lt) 414-O/5 sl by	
20132320 Sb 724-O/5 sl by	46730420 AtSw(Sb) 636-O/16 sl	62860907 SwSb 634-O/13 sl bl	80560790 Sb(Lt) 416-O/6 by	
20143943 SwSb 533-O/15 st	47552840 SwSbAt 434-O/16 sl he	65562778 Sw(Sb) 532-O/15 sl bl	80882992 AtE.p 221-18/18 sl he es	
20312488 Sb 611-O/5 by sl	48172189 Sb(Lt) 413-O/8 by sl he	65673969 SbSw 427-O/10	80880725 At(SbSw) 437-O/20	
20362100 Sb 814-O/4 sl he by	48471690 Sb(Lt) 514-O/7 sl by	65677053 Sb 413-O/7 sl by he	81661209 Sb(Sw) 310-O/10 sl he	
20811528 Sb 513-O/5 by sl	48686579 Sb 511-O/4 la sl by he	66284462 AtSb 536-O/20 sl	82026974 SbSwE.p) 623-O/10 st	
21481086 LtSb 411-O/6 sl he	49000455 Sb 417-O/8	66732008 SwSb 532-O/15 sl bl	82407100 At(SbSw) 437-O/20	
22170186 LtSb 410-O/7 sl he	49481656 Sb 510-O/6 he sl by	67151694 AtSb(Sw) 437-O/16	82565990 E.pSwSb(Lt) 424-O/8 st	