Vegetation Map

094P020

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
○12	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

○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)	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; 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.

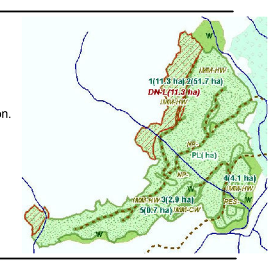
A Animal Damage; B Wildfire; C Cone and Seed Insects; D Diseases; I Insects; L Logging; M Mite Damage; N Non-Biological Injuries; P Cone and Seedling Fungal Pathogens; R Site Rehabilitation; T Treatment Injuries; U Damage Unknown; V Problem Vegetation

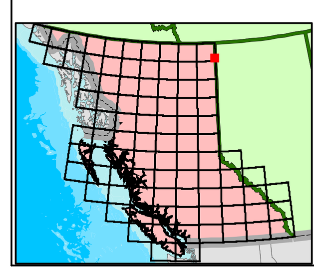
Example Opening History Details

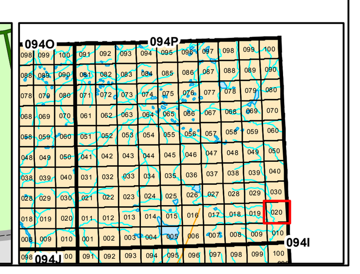
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

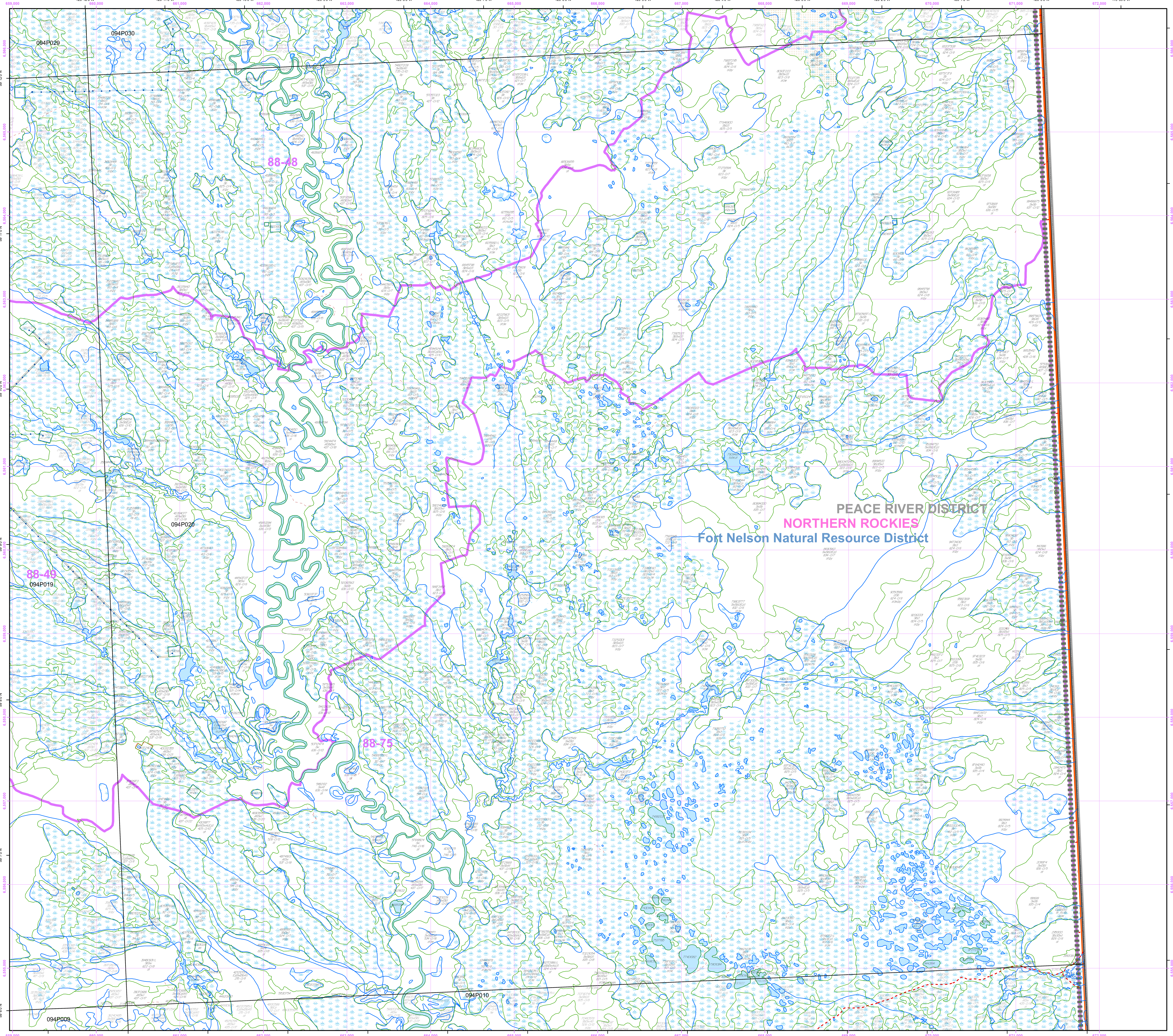
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

- OPENING
- OPENING LABELS
- OPENING - PLANTING ACTIVITY
- ACTIVITY TREATMENT UNIT
- STANDARDS UNIT
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH









Overflow Labels

1291137 EpSbAc(Sw) 323-O/12 sl	40253099 es by	52934900/L Sb 312-O/5 sl by	74200905/L Sb(Lt)(Sw) 821-O/5 sl he
1604552 Sb(Sw) 824-O/5 sl he by	41104539 Sb 412-O/6 sl by	52940724/L Sb 312-O/7 sl by	79346476/L Sb(Lt) 613-O/5 sl he by
1672960/L LtSb 821-O/7 sl he	41230635 Sw(At) 637-O/14	52972913 SwEpSb 213-O/18 sl he	79790955 Sb(Lt) 413-O/6 sl by
1874460 Sb(Sw) 824-O/5 sl he by	42586933 SbAt 427-O/11	53503940/L Sb(Lt) 812-O/4 sl by	80295305 LtSb 610-O/5 sl he by
2543277 SbEp(Sw) 314-O/9 sl	42640913 AtEp(Sw) 436-O/17 sl	53983880 Sb(Lt) 615-O/5 sl by	88890970 Sb(Lt) 413-O/6 sl by
2603552 Sb 312-O/8 sl by	43082468 AtSw(Ac) 535-O/18 sl	55394868 LtSb 612-O/5 sl he	83451030 SbLt 413-O/7 sl he la
3911208/L SbEp(Lt)(Sw) 313-O/9 sl he	43152756 At(SwAc) 537-O/20	55950772/L EpSwAt(Ac) 110-20/20 la sl he	83765024 Sb(SwLt) 626-O/8 sl
4671168 Sb(Lt)(SwEp) 820-O/4 mu sl he	43157192 SwSb(Ep) 633-O/11 sl he ri	56211632 At 538-O/18	87487560 SbLt 513-O/7 sl by
33346448 SbSw 825-O/4 sl by	43310701 Sw 637-O/13	58464424 LtSb 624-O/7 sl he	88817154 SbSw(Ep) 824-O/7 sl
34035935/L Sb 412-O/5 sl by	43630904 SbSw 417-O/8	58657227 LtSb 311-O/7 sl bg by	89016175 SwSb(EpLt) 633-O/10 sl
34734823 Sb 613-O/4 sl by	44047143 Sb 413-O/7 sl he	58717310 Sb 515-O/5 he by	89366306 sl by mu he
35094410/L SwSb 632-O/13 sl	44385020 Sb(At) 626-O/8 sl	58036972 Sb 426-O/12 sl	90757079/L Sb(Sw) 414-O/6 sl by
35324313 he mu sl	44620693 SbEp(Sw) 314-O/8 sl by	60347172/L LtSb(Ep) 313-O/6 sl	99107531 SbSw(LtEp) 813-O/4 sl he by
35523738 Sb(Sw) 515-O/7 sl	44942468 AtSwSb(Ac) 535-O/15 sl	61670802 EpSw(At) 215-O/12 he	93327069/L Sb(SwEp) 213-O/8 sl by
35603691 SwSb(Ep) 424-O/13 sl	45116918 Sb 427-O/12	62633955 sl he mu	94047612 SbLt 613-O/5 sl by
35673618/L SbEp(Sw) 212-O/8 sl by	45345155 EpSb(AcSw) 313-O/10 sl he by	63242980/L Sw(Sb) 636-O/11 sl	94292935/L LtSb 822-O/7 sl he
35843280 Ep(AcSw) 220-20/20 mu sl he	45362596 AtSw 537-O/20	65154659 Sb(Lt) 623-O/6 sl he	95537546/L SbEp(Sw) 212-O/10 sl
35893230/L EpSw(AcSb) 224-20/20 sl	46206106 sl es he by	65214996 SbLt 610-O/4 sl he mu	95817613 SwSb(Lt) 734-O/9 sl by
36184248/L EpSb(LtAc) 223-20/20 sl	46422116 sl he mu	66547365 SbLt 614-O/5 sl he by	96301840 Sb 412-O/5 sl by
36472875/L Sb 622-O/8 sl by	46467214 Sw(Sb) 635-O/12 sl	67421732/L EpSbSw(Lt) 211-O/11 sl by	97007635 SwSb 845-O/12 sl
37325859 sl la he	46597117 Sw(Sb) 635-O/12 sl	67577112 Sb 313-O/7 sl by	99187664 SbSw 725-O/5 sl by
37451562 Sb(Sw) 625-O/6 sl by	47672401/L Sw(At) 632-O/13 sl he	67823699 SbLt 615-O/5 sl	
37891001 SbEp(Sw) 416-O/8 sl	47796092 SwSb(Ep) 423-O/15 sl la he	67977393 Sb(Lt) 613-O/5 sl by	
37976698 Sb 617-O/5	48187231 SwSb(At) 725-O/8 by	68896234 Sb 613-O/4 sl by	
38166025 Sb 824-O/4 sl by	48322064/L Sb 812-O/5 sl by	69565497 SbLt 614-O/5 sl	
38190611 SwSbEp(At) 426-O/16	49047142 la he sl	70187352 SbLt 825-O/5 by	
38211220 Sb 314-O/7 sl by	49316670 Sw(Sb) 636-O/15 sl	70507403 Sb(Lt) 613-O/5 sl by	
38372407 sl he by	50173370 AtSw 537-O/18	71194651 Sb(Lt) 615-O/4 sl	
38432610/L Sb 622-O/8 sl by	51020794/L Sb 311-O/7 sl by	71760885 SwSb(Lt) 835-O/8 sl	
38443225 SbSw(Lt) 625-O/6 sl by	51530754 SbEp 522-O/7 sl by	71825921 Sb 626-O/7 sl by	
38884528 Sb(Lt) 626-O/6 sl	52412752 Sb 314-O/8 sl by	72103577 LtSb 510-O/5 sl he mu	
38961380/L Sb 315-O/7 sl by	52563020/L Sb 611-O/5 sl by	72541001 SbLt(Ep) 824-O/5 sl	
39122760/L EpSwAcSb 222-20/20 sl	52783072/L Sb 312-O/7 sl by	73804738 Sb(Lt) 615-O/4 sl	