Vegetation Map
094I066

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)	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	gp GRAVEL PIT	mu MUDFLAT SEDIMENT	rm RESERVOIR MARGIN
be BEACH	la LAKE	mz RUBBLY MINE SPOILS	rn RAILWAY SURFACE
bl BLOCKFIELD	lb LAVA BED	oc OCEAN	rs RIVER SEDIMENTS
br BEDROCK	ll LANDING	ot OTHER	rz ROAD SURFACE
bu BURNED AREA	ls POND or LAKE SEDIMENTS	pn SNOW COVER	ta TALUS
cb CUTBANK	mi OPEN PIT MINE	re RESERVOIR	tz TAILINGS
es EXPOSED SOILS	mn MORAINE	ri RIVER / STREAM	ur URBAN
gl GLACIER			

Note: Water categories (la, oc, re, ri) not labelled over 90 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F records)

A ALPINE	NP NON PRODUCTIVE	SAND SAND
AF ALPINE FOREST /Species	NPBR NON PRODUCTIVE BRUSH	TIDE TIDAL FLAT
C CULTIVATED	NPBU NON PRODUCTIVE BURN	U URBAN
CL CLAY BANK	NPF NON PRODUCTIVE FOREST /Species	
G GRAVEL BAR	NTA NO TYPING AVAILABLE	NC NON COMMERCIAL
GR GRAVEL PIT	OR OPEN RANGE	NCBR NON COMERCIAL BRUSH
ICE ICEFIELD	P HAYFIELD	NP NON PRODUCTIVE
M MEADOW	R ROCK	NSR NOT SUFFICIENTLY RESTOCKED
MUD MUD FLAT	S SWAMP	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.

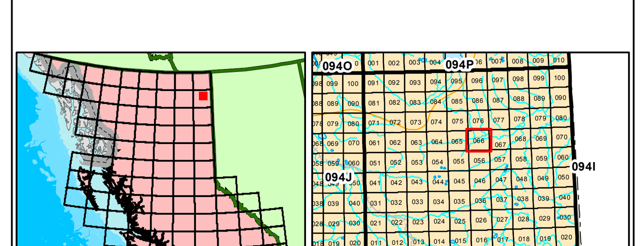
A Animal Damage	L Logging	R Site Rehabilitation
B Wildfire	M Mite Damage	T Treatment Injuries
C Cone and Seed Insects	N Non-Biological Injuries	U Damage Unknown
D Diseases	P Cone and Seedling Fungal Pathogens	V Problem Vegetation
I Insects		

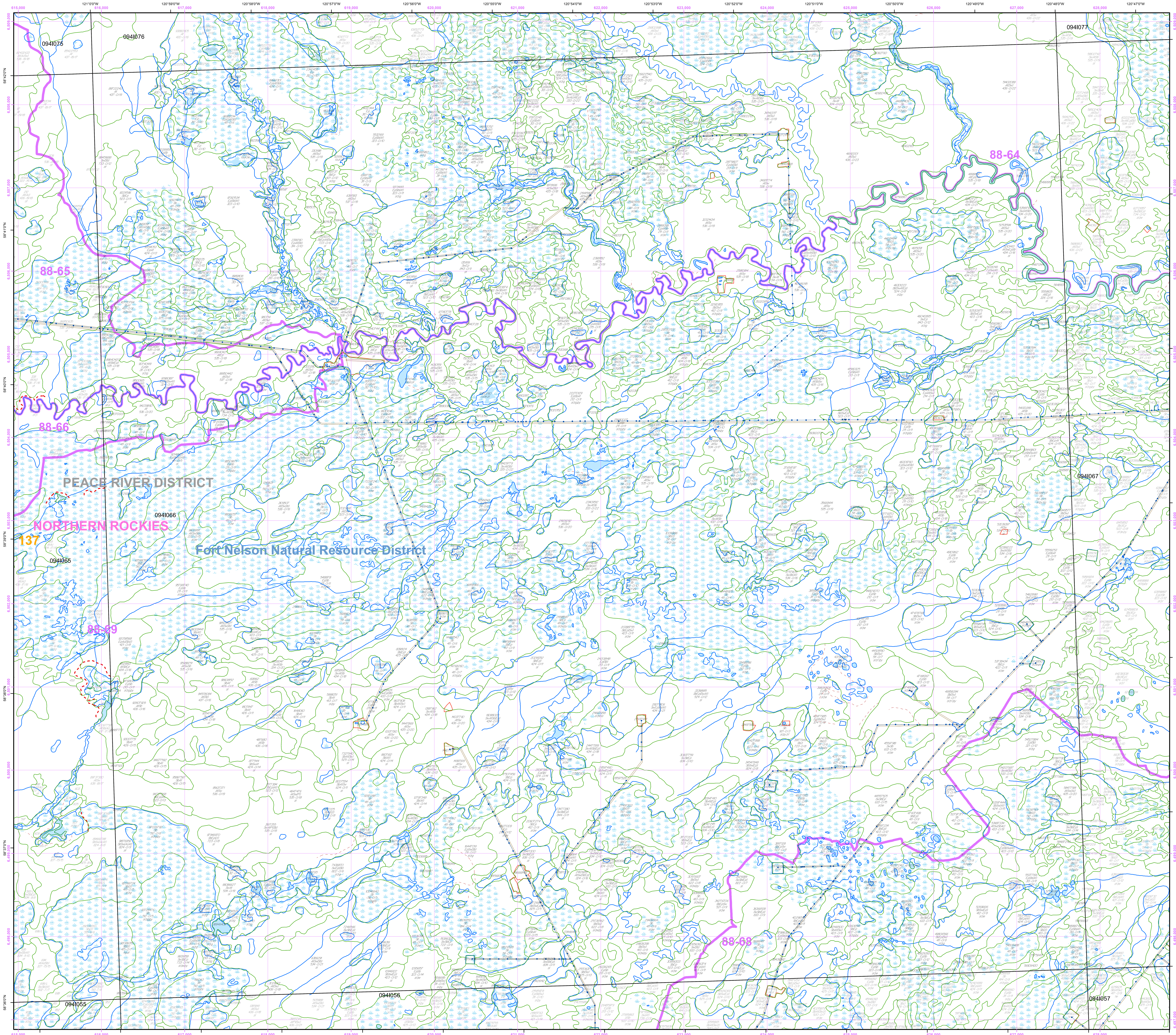
Example Opening History Details

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

3512862 SbEp 512-O/6 sl bg by	10192543 At(Sw) 435-O/18 sl	17722501 Sb 413-O/9 sl t/ by	21582004 SbAt 623-O/9 sl	29882160 Sb(Lt) 512-O/7 sl t/ by	48060215 sl be es	56939971 SwSb(EpAt) 434-O/18 sl	91227165 Sb(Lt) 415-O/7 hg sl
6113411 SbSw(At) 723-O/8 sl	10260765 EpSb(At) 313-O/10 sl	17841989 Sb(At) 623-O/9 sl	21762632 SbSw 423-O/10 sl	30082249 Sb(Lt) 412-O/7 sl t/ by	48152418 EpSb 322-O/12 sl t/ be	57170266 SbSw(Ep) 424-O/12 sl	91372055 Sb 411-O/6 sl be by
7806155 EpAt 313-O/10 sl	10472051 SwAt(Sb) 422-O/17 sl	17851012 EpSb(At) 322-O/12 sl be	21972591 Sb 412-O/7 sl be	30176992 SwSb(Ep) 832-O/9 sl bg	49099736 EpSbAt 211-O/11 sl be	57177666 SwSb(Ep) 534-O/16 sl	91905949 EpAtSb(Lt) 523-O/8 sl
9811597 SwAt(Sb) 423-O/17 sl	10562561 SbSw(At) 624-O/8 sl	17982430 EpSb(At) 311-O/10 sl be	22180986 EpSw(AtSb) 323-O/10 sl be	30181781 SbSwAt 513-O/6 sl t/ by	49106332 SbEp(Sw) 423-O/10 sl be	57299977 At(Sb) 436-O/20 sl	92070541 Sb 511-O/6 sl be by
12020377 SbEp 421-O/12 sl bg	11489425 Ep 512-O/5 sl be	17992625 sl be by	22212646 Sb 411-O/4 sl be	30602237 Sb(Lt) 513-O/7 sl t/ by	49100715 sl bg	57729472 EpSwSb 211-O/11 sl bg by	92196009 Ep(LtSb) 511-O/7 sl bg
17713176 SbSw(At) 724-O/8 sl	11489727 At(Sw) 523-O/14 sl	18156834 SbAtEp 424-O/11 sl	22271020 SwAt(Sb) 534-O/18 sl	30681026 Sb(Sw) 412-O/9 sl bg by	50626340 Sb 411-O/7 sl be	57749257 SwSb(Ep) 534-O/15 sl	92970609 EpAt 323-O/14 sl bg
18601845 EpAt(Sb) 312-O/10 sl	11722574 EpSb(At) 323-O/10 sl	18341014 SwSb(At) 533-O/18 sl	22587003 Sb 813-O/3 sl by	31251008 Sb 411-O/4 sl be	51096353 SbEp(At) 424-O/10 sl be	58428647 SbEp 421-O/11 sl be	93110637 AtEp(Sb) 424-O/15 sl
21301150 Ep(Sb) 211-O/8 sl bg	11880088 AtSwSb 534-O/19 sl	18382108 SwSb(At) 534-O/18 sl	22782570 Sb 411-O/4 sl be	31940532 EpSb 312-O/10 sl bg by	51151545 Sb(Sw) 523-O/8 sl bg by	58447171 Sb 423-O/11 sl bg by	93829848 Sb 411-O/9 sl be
21811071 SwSbAt 434-O/21 sl	12391285 Sb(Lt) 410-O/4 sl be	18411130 Sb 412-O/8 sl be	23097769 Ep(Sb) 213-O/11 sl be	32881131 sl be	51261014 SbSw(Ep) 422-O/16 sl be	58448429 SbEp 422-O/11 sl be	94350494 Sb 511-O/6 sl be by
29180660 SwEpSb(At) 632-O/13 sl be	12582507 SbSw(Ep) 723-O/6 sl	18672599 Sb 413-O/9 sl t/ by	23171613 Sb(At) 623-O/9 sl	33182144 EpAt(Sb) 212-O/11 sl be	51449861 AtSb 435-O/20 sl	58457460 SwSb(At) 634-O/14 sl	94510566 rz
30201157 AtSw(Sb) 536-O/18 sl	13006995 Sb(Sw) 724-O/9 sl	18810287 Sb(SwAt) 513-O/6 sl	23426142 EpSb(Sw) 311-O/10 sl by	33822263 Sb 513-O/7 sl be	51889654 EpAt(Sb) 211-O/10 sl be by	58487240 AtSbEp 323-O/16 sl be	95790763 SbEp 423-O/10 sl bg
31811505 SbSw(At) 723-O/8 sl	13226882 Ep 321-O/12 sl bg	18926075 Ep 210-O/12 sl be	23446493 SwSb(EpAt) 534-O/12 sl	34610496 sl be	52329975 SbAt(Ep) 421-O/16 sl be	58558196 SbEp 422-O/11 sl be	98356945 Sb 411-O/7 sl by
35601892 SwAtSb 335-O/22 sl	13267144 Sb(Sw) 724-O/9 sl	18971929 Sb 411-O/6 sl be by	23557609 Ep(Sb) 213-O/11 sl be	35320959 EpSb 210-O/11 sl la bg by	52730832 AtSb 435-O/20 sl	58637277 SwSb(AtEp) 633-O/12 sl	98790084 Sb 425-O/15 sl
37188289 SbEp 511-O/6 sl be by	13352459 EpSb(At) 323-O/10 sl	19202573 EpSb(At) 311-O/10 sl be	23641955 Sb(Lt) 412-O/7 sl t/ by	35497992 sl be es	52896372 SbEp(At) 424-O/11 sl be	58997767 Sb(Ep) 511-O/5 sl bg by	99231965 AtSb 533-O/15 sl
38211352 SwSb(At) 633-O/16 sl	13361961 EpAt(Sb) 313-O/10 sl	19210176 SwAt(Ac) 434-O/17 sl	23700122 SwSb(At) 434-O/17 sl	36272178 sl be es	53129777 SbAt(EpSw) 524-O/12 sl be	59237284 Sb(Lt) 423-O/11 sl bg by	
39215012 SbSw(At) 723-O/6 sl	13970058 AtSw(Sb) 534-O/15 sl	19221968 Sb 412-O/7 sl t/ by	23792660 Sb 411-O/4 sl be	36431968 sl be es	53279976 AtSb 434-O/20 sl	59296388 SbSwEp 412-O/9 sl be	
4511478 EpAt(Sb) 313-O/9 sl	14427737 sl be es	19501398 Ep(SbAt) 312-O/9 sl	23821714 Sb 412-O/9 sl t/ by	36559334 SwAtSb 434-O/18 sl	54611410 Sw(Sb) 534-O/20 sl	59526817 SwSb(Ep) 833-O/9 sl	
4659884 Ep(Sb) 313-O/10 sl	14596949 Ep(Sw) 321-O/12 sl bg	19581113 SwSb(At) 534-O/18 sl	24082381 Sb(Lt) 512-O/7 sl t/ by	37802680 EpAt(Sb) 324-O/11 sl be	54671344 Sw(Sb) 534-O/20 sl	59656693 SwSb(Ep) 833-O/9 sl	
4851075 Sb 524-O/9 sl be	14621011 sl be	19666842 sl es be by	24921379 At(SwEp) 323-O/16 sl	38436342 SbSw(Ep) 624-O/10 sl be	54960912 sl be es	60066391 Sb 412-O/7 sl be	
5191438 SbAt(Ep) 724-O/9 sl	14672249 Ep(Sb) 310-O/10 sl bg	19932044 SbAt 524-O/11 sl	24942671 At(SwSb) 434-O/16 sl	39360072 SbEp 423-O/11 sl bg by	54961919 Sw(At) 435-O/18 sl	88550961 Ep(LtAtSb) 411-O/6 sl	
5196290 SwSb(AtEp) 423-O/17 sl	14840728 Sw 435-O/22 sl	20330674 Sb 411-O/7 sl be	26582013 Sb(Lt) 412-O/7 sl t/ by	41442330 EpAtSb 211-O/12 sl bg	54962870 SwAtSb 535-O/19 sl	88560816 AtEp(AcSbLt) 423-O/14 sl	
5300172 Ep(Sb) 212-O/10 sl bg	15696075 Sb 411-O/7 sl be	20402111 Sb 412-O/7 sl t/ by	26806983 Sw(At) 434-O/21 sl	41901420 AtSwEp 434-O/16 sl	55756413 SwEp(Sb) 632-O/12 sl be	88790900 At(Ac) 434-O/19 sl	
5940634 SwAtSb 335-O/22 sl	15850993 EpSb(At) 312-O/9 sl	20631958 AtSb(Ep) 312-O/10 sl	27081955 Sb 411-O/4 sl be	42121651 SwAt(Ep) 534-O/20 sl	55932006 SwAt(Sb) 433-O/18 sl	88980704 At 436-O/21 sl	
6222541 AtSw 535-O/20 sl	15881101 EpAt(Sb) 322-O/12 sl be	20792639 Sb 411-O/4 sl be	27322358 Sb 411-O/4 sl be	42561810 SwAt(Ep) 534-O/20 sl	56000525 Sb 513-O/7 sl bg by	89179968 EpAtAc 411-O/5 sl t/	
6391416 SbAt(Ep) 523-O/8 sl	16556256 sl be es	20891700 Sw(At) 644-O/18 sl	27420397 Sb 423-O/11 sl bg by	42682493 SbAt(Ac) 524-O/10 sl	56189877 Sb(Sw) 523-O/8 sl bg by	89270792 At(AcSb) 434-O/18 sl	
7461136 EpAt(Sb) 211-O/8 sl bg	16592020 sl be	20972094 SbAt 422-O/12 sl	27901675 Sb 412-O/9 sl t/ by	43062760 AtSb(Ep) 435-O/16 sl	56230367 SbEp 512-O/6 sl bg by	89299735 Sb 615-O/5 hg sl	
8860200 Sb 411-O/6 sl be	16787239 Sb(Sw) 724-O/9 sl	20972601 Sb(SwAt) 534-O/18 sl	27937993 sl be es	44902165 SwAt 324-O/19 sl	56481137 Sw(Sb) 534-O/20 sl	89389878 At(Ac) 434-O/18 sl	
8357880 sl be es	17086850 AtEp(Sb) 424-O/14 sl	21020152 SwAt(Ac) 434-O/17 sl	27941872 At(Sb) 436-O/16 sl	45076439 SbAt(Sw) 423-O/11 sl be	56550945 Sb 513-O/7 sl bg by	90070007 At(AcSw) 426-O/17 sl	
8752510 Sb 512-O/6 sl bg by	17172596 Sb 413-O/9 sl t/ by	21530618 AtSw(Sb) 535-O/18 sl	28597528 SbEp(At) 523-O/13 sl be	45710662 AtEpSb(Sw) 434-O/16 sl	56556347 EpSb 212-O/11 sl be	90708109 EpSbAc(At) 411-O/5 sl	
9340744 SbSw(At) 526-O/10 sl	17350479 SwSb(At) 434-O/19 sl	21562557 Sb 411-O/4 sl be	29122372 SbEp 411-O/8 sl be	45721658 SbEp 512-O/6 sl by bg	56600725 Sb 513-O/7 sl bg by	90729386 At(Ep) 434-O/18 sl hg	
9509913 AtEpSb 213-O/12 sl be	17409929 SwSb(At) 423-O/15 sl	21570863 SwSb(At) 534-O/18 sl	29229767 Sb 511-O/6 sl t/ by	46779322 SwAtSb 431-O/18 sl bg	56800479 Sb(Lt) 311-O/5 sl bg by	90897773 AtSb(Ac) 327-O/18	
9550695 AtSw(Sb) 535-O/18 sl	17542189 Sb(SwAt) 534-O/18 sl	21571353 Sb(SwAt) 413-O/8 sl t/ by	29442265 Sb 411-O/4 sl be	48006301 EpSb 322-O/14 sl be	56906420 Sb 414-O/9 sl bg by	91037520 At(Sw) 437-O/19	