BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map

104A020

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)
1	1-20	1	0.1 - 10.4	0	0 - 5
2	21-40	2	10.5 - 19.4	1	6 - 15
3	41-60	3	19.5 - 28.4	2	16 - 25
4	61-80	4	28.5 - 37.4	3	26 - 35
5	81-100	5	37.5 - 46.4	4	36 - 45
6	101-120	6	46.5 - 55.4	5	46 - 55
7	121-140	7	55.5 - 64.4	6	56 - 65
8	141-250	8	65.5 +	7	66 - 75
9	251 +			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	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

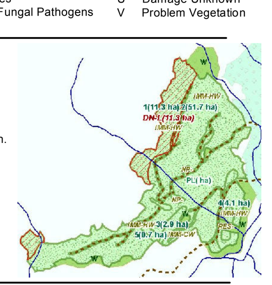
Line 6 - Disturbance History

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.

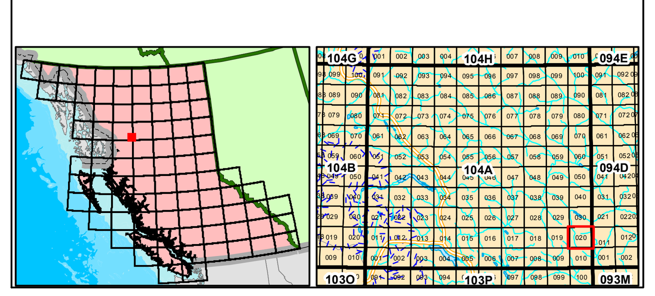
A Animal Damage	L Logging	R Site Rehabilitation
B Wildfire	M Mite Damage	T Treatment Injuries
C Cone and Seed Insects	N Non-Biological Injuries	U Damage Unknown
D Diseases	P Cone and Seedling Fungal Pathogens	V Problem Vegetation
I Insects		

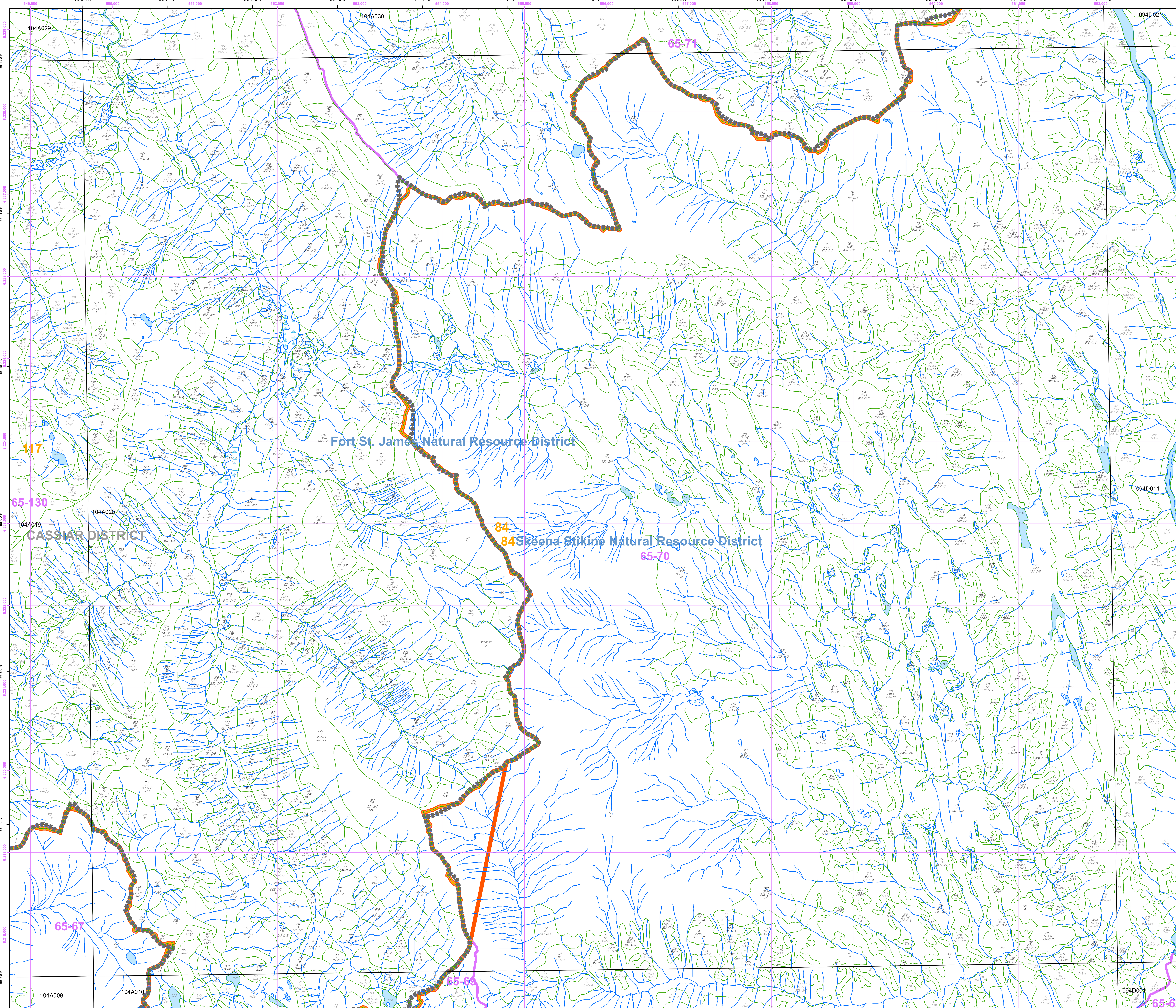
Example Opening History Details

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

35 BlS 943-O/13	504 Bl 944-O/10 he	750 Hw 825-O/4	968 Bl 316-O/3 ta,by
48 Bl(HwS) 933-O/9	508 Bl 811-O/2 sl	762 Hw 417-O/8	981 Bl 410-O/2 he,by,es
56 HwB(l) 833-O/7 NP	514 Bl 924-O/3 sl	763 sl	984 Bl 410-O/3 he,by,es
70 HwBl(S) 943-O/12	518 Bl 815-O/2	764 Bl 416-O/5	985 Bl 410-O/3 he,by,es
137 Bl 821-O/3 NP	520 Bl 933-O/5 sl,he	768 HwB(l) 416-O/7 sl	
142 BlS(H) 944-O/10	524 Bl 820-O/4 sl,ri	770 Hw 836-O/6	
157 SBl 932-O/6	525 Bl 813-O/3 sl	778 Hw 517-O/7	
162 Ac 945-O/16	532 Bl 821-O/3 sl,he	779 BlHw 825-O/4	
179 NPBR	552 Bl 612-O/4 sl	783 Hw 415-O/6 sl	
181 NPBR	554 Bl 924-O/3 he	796 Bl 410-O br	
184 NPBR	568 Bl 825-O/4	798 Bl 414-O es	
188 BlS(Hw) 943-O/10	574 Bl 934-O/8	807 Bl 515-O/5	
190 SBlAc 943-O/8	579 HwBl 944-O/12 sl	810 Bl 410-O/5 sl	
254 HmBl 831-O/6 NP	596 HwBl 942-O/9 sl	814 Bl 515-O/5	
255 HmBl 831-O/5 NP	623 Bl 410-O sl,by	816 sl,es,by	
282 NPBR	624 Bl 611-O/4 sl	823 Bl 410-O/2 ta	
295 BlHw 945-O/10	633 Bl 935-O/4	828 Bl 612-O/3 sl	
311 NPBR	634 Bl 823-O/5 st	837 Bl 413-O/4 sl	
326 Bl(H) 831-O/6 NP	635 Bl 625-O/7 sl	840 Bl 612-O/3 sl	
335 NPBR	648 Hw 622-O/9 st	851 Bl 622-O/5 sl	
341 NPBR	651 Bl 410-O sl,by	855 Bl 523-O/8 sl	
368 HmBl 933-O/5	654 HwBl 945-O/9	862 Hw 824-O/5 sl	
378 Bl(Hm) 932-O/6 NP	660 Hw 622-O/9 st	863 Bl 622-O/7 sl	
405 BlHw 943-O/11	666 sl,by,pn	866 Bl 415-O/4 sl	
407 BlHw 944-O/10	679 Bl 710-O/3 he	869 Hw 834-O/6 sl	
413 HwBl 834-O/7	681 Bl 611-O/3 sl	871 Hw 815-O/3	
415 NPBR	692 Bl 416-O/4 sl	872 Hw 825-O/5	
417 BlHm 932-O/9	700 Bl 411-O/4 sl	875 Hw 824-O/4 sl	
418 A	704 BlHw 823-O/3 he	878 Hw 815-O/3	
419 BlHm 934-O/6	716 HwBl 824-O/5 he	882 Hw 834-O/6 sl	
420 Bl 834-O/6	717 Bl 410-O/2 ta,by	885 Hw 410-O/4 ta,by	
421 HmBl 932-O/5	719 Bl 821-O/6 st,ri	898 Hw 410-O/6 sl	
425 HmBl 934-O/6	732 Bl 924-O/3	904 Hw 824-O/5 sl	
431 Bl 931-O/4 AF	739 Hw 825-O/4	906 HwBl 834-O/8 sl	
500 Bl 815-O/3	746 Bl 812-O/3 sl,he	910 Hw 825-O/5 sl	
501 Bl 823-O/3 sl	747 HwBl 836-O/8	943 Bl 512-O/5 sl	