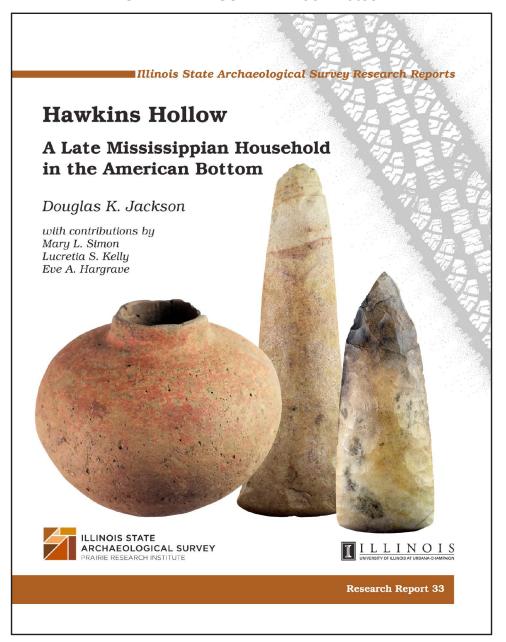
OPEN ACCESS: MAC Book Notes



Published by the Illinois State Archaeological Survey. 2015. 272 pp., \$25.00 (paper).

awkins Hollow (11MO855) is a prehistoric site located south of St. Louis in southwestern Illinois along the base of the American Bottom bluffs in west-Lern Monroe County. The site first came to the attention of the professional archaeological community in 1990 during archaeological survey investigations for a nearby county road project. Further archaeological investigations at this site were warranted when a new roadway was proposed as a northern access route for the Village of Valmeyer, which was relocated to an upland setting south of the site as a result of the calamitous flood of 1993. Phase I–III investigations for this project were conducted from 1995 through 1996 by ISAS personnel and resulted in the exposure of a late Mississippian Sand Prairie phase structure and an associated midden. The structure had been rebuilt once and then had burned, leaving behind an array of artifacts on the structure floor. Lithic tools were present in quantity and included large artifacts as well as numerous microliths. The ceramic assemblage and radiocarbon assays provided support for the Sand Prairie phase affiliation. Because the entire site was not exposed due to project limits, the true nature and extent of the Sand Prairie phase occupation is not known. It may have been just a small family farmstead, but it is possible that a larger community was present. Sand Prairie phase occupations are far less common than occupations associated with the three earlier defined Mississippian phases in the American Bottom. Thus, the Hawkins Hollow site provides significant information on this little-known cultural and temporal segment of this area of Illinois and the Midwest.

Contents

	Figures vii–viii
	Tables ix-x
	etxi
eknov	viedgments
1	Introduction
2	Site Setting and Environment
	Site Setting5
	Geology
	Vegetation 12
	Fauna 12
	Summary
3	Previous Area and Site Archaeological Investigations
	Previous Area Investigations
	Previous Site Investigations
	Phase I Investigations 20
	Phase II Investigations
4	Phase III Site Investigations
•	Research Design
	Excavation Methods31
5	Analytical Methods 33
_	Ceramics
	Sherd Attributes
	Temper
	Surface Treatment
	Decoration
	Vessels 34
	Lithics
	Nonchert Material37
	Chert Material
	Raw Material
	Chipped-Stone Analysis40
6	Field Results and Feature Descriptions
	Feature 1
	Internal Features 49
	Pits
	Large Posts
	Post Molds
	Hearths51
	Rock Clusters 53

Hawkins Hollow: A Late Mississippian Household in the American Bottom

	Feature 1 Occupations	
	Occupation 1	55
	Occupation 2	
	Feature 1, Postoccupation	
	Feature 1 Summary	
	Feature 2	78
7	Ceramics	
	Nonceramic items	
	Sherd Assemblage	
	Non-Sand Prairie Phase Sherd Assemblage	
	Sand Prairie Phase Sherd Assemblage	
	Sand Prairie Phase Vessel Assemblage	
	Jars	
	Plates	
	Pans	
	Bowls	
	Small Jars	
	Bottles	
	Indeterminate Vessels	
	Pipe	
	Ceramic Assemblage Discussion and Summary	110
8	Lithics	
	Chert Assemblage	
	Chert Raw Material	
	Chert Debitage	
	Chert Tools	
	Expedient Tools	
	Small Biface Industry	
	Miscellaneous Formal Chert Tools	
	Large Biface Industry	
	Adzes	
	Hoes	
	Microlith Industry	
	Microlith Summary and Discussion	
	Nonchert Assemblage	
	Debitage	
	Nonchert Tools	
	Limestone Hoes	
	Celts	
	Celt Preform	
	Hammerstones	
	Abrading Tools	
	Limestone Slabs	
	Lithic Summary	155
9	Radiocarbon Dates	157
10	Plant Remains, Mary L. Simon	101
10	Piant Remains, Mary L. Stmon	161

Contents

	Results	167
	Occupation 1	
	Flotation Samples	
	Charcoal Samples	
	Occupation 2	
	Flotation Samples	
	Charcoal Samples	
	Log Analysis	
	Feature 2, Midden Samples	
	Flotation Samples	
	Charcoal Samples	
	Discussion	
	Subsistence	
	Construction Technology	
	Feature 1 Construction Materials	
	Mississippian Period Burned Structures in the American Bottom	
	Symbolism and Ritual in Construction	
	Summary and Conclusions	218
11	Faunal Remains, Lucretia S. Kelly	221
	Feature 1 and Associated Internal Features	221
	Occupation 1	221
	Mammals	221
	Other Faunal Remains	223
	Occupation 2	223
	Mammals	
	Bird and Fish	223
	Postoccupation	
	Mammal	
	Bird	
	Feature 2	
	Mammal	
	Birds	
	Fish	
	Turtle Invertebrates	
	Summary	228
12	Human Remains, Eve A. Hargrave	231
13	Site Significance and Discussion	
	Site Size and Type	
	Occupation Duration	
	Subsistence	
	The Hawkins Hollow Site and the Sand Prairie Phase	239
	Summery	244

Figures

1.1.	Stte location	
2.1.	Valmeyer locality	
2.2.	American Bottom area	
2.3.		
2.4.	Hawkins Hollow site area	
2.5.	Geologic cross section of the Valmeyer Anticline	
3.1.	Phase I surface material distribution	
3.3.	Phase II excavation blocks	
3.4. 4.1.	Phase III excavation limits and feature distribution	
5.1.	Vessel rim analysis schematic	
6.1.	Vessel rim analysis schematic Feature 1 plan map	
6.2.	Feature 1 basin and wall trench profiles	
6.3.	Pit feature profile photographs.	
6.4.	Large post feature profile photographs	
6.5.	Rock cluster feature plan-view photographs	
6.6.	Feature 1, Occupation 1, plan map	
6.7.	Feature 1, Occupation 1, plan map. Feature 1, Occupation 1, internal feature profiles	
6.8.	Feature 1, Occupation 2, plan map.	
6.9.	Feature 1, Occupation 2, charred structure remains distribution	
6.10.	Feature 1, Occupation 2, charted structure remains distribution.	
6.11.	Feature 1, Occupation 2, internal feature profiles	
6.12.	Feature 1. Occupation 2. lithic tool distribution	
6.13.	Feature 1, Occupation 2, celt and spud cache	
6.14.	Feature 2 plan map	
7.1.	Terminal Late Woodland rim profiles and ceramic disc	89
7.2.	Jar profiles	
7.3.	Jer rim examples	
7.4.	Jar handle examples.	
7.5.	Undecorated plate vessel rims	
7.6.	Plate profiles.	
7.7.	Decorated plates	
7.8.	Pan profiles	
7.9.	Bowl profiles	
7.10.	Negative painted bowl, vessel tab, effigy fragment, and bottle rims	107
7.11.	Small jar and indeterminate vessel profiles	108
7.12.	Complete bottle	109
8.1.	Cores	119
8.2.	Non-Mississippian projectile points	121
8.3.	Triangular projectile points	125
8.4.	Triangular projectile point length and width histograms	127
8.5.	Miscellaneous projectile point shapes	
8.6.	Bifaces and drills	
8.7.	Miscellaneous chert tools	
8.8.	Adzes	
8.9.	Mill Creek chert hoe	
8.10.	Chipped and ground chert tools	137

$Hawkins\ Hollow:\ A\ Late\ Mississippian\ Household\ in\ the\ American\ Bottom$

8.11.	Microlith cores	14
8.12.	Microlith blades.	142
8.13.	Microlith tools	144
8.14.	Limestone hoes	149
8.15.	Celts and celt preform	150
	Hammerstones	
8.17.	Sandstone tools	154
	Distribution of piece-plotted logs and of identified logs by taxon	
	Densities, in fragment count per liter, of plant classes by feature type	
	Location of human marriage within the Feature 2 midden	

Tables

6.1.	Pit Feature Data	
6.2.	Large Post Feature Data	
6.3.	Post Mold Feature Data	.54
6.4.	Hearth and Rock Cluster Feature Data	
6.5.	Feature 1, Occupation 1, Ceramic Density by Excavation Section	
6.6.	Feature 1, Occupation 1, Lithic Material	
6.7.	Feature 1, Occupation 1, Lithic Density by Excavation Section	
6.8.	Feature 1, Occupation 1, Microlith Density by Excavation Section	
6.9.	Feature 1, Occupation 2, Ceramic Density by Excavation Section	
6.10.	Feature 1, Occupation 2, Lithic Material	
6.11.	Feature 1, Occupation 2, Lithic Density by Excavation Section	
6.12.	Feature 1, Occupation 2, Microlith Density by Excavation Section	
6.13.	Feature 1 Postoccupation Material Weight and Density Data	
6.14.	Feature 1 Postoccupation Lithic Material	
6.15.	Feature 2 Vessel List	
6.16.	Feature 2 Lithic Material	
7.1.	Ceramic Material Item Inventory	
7.2a.	Sherd Count by Temper and Surface Treatment	
7.2b.	Sherd Weight by Temper and Surface Treatment	
7.3.	Individual Vessel Data	
7.4.	Vessel Type by Temper	
7.5.	Vessel Type by Surface Treatment	
7.6.	Jar Rim Data	.03
7.7.	Plate Rim Data	03
7.8.	Pan Rim Data	06
7.9.	Bowl Rim Data	
7.10.	Small Jar Rim Data 1	
8.1.	Chert Type by Count and Weight	14
8.2.	Chert Debitage Types by Heat Treatment	
8.3.	Chert Tool Types by Heat Treatment	17
8.4.	Chert Debitage Summary	
8.5.	Non-Mississippian Projectile Point Data	
8.6.	Mississippian Projectile Point Data	
8.7.	Mississippian Projectile Point Shape Categories by Flaking Category	
8.8.	Triangular Projectile Point Data	
8.9.	Triangular Projectile Point Measurement Variable Correlations	26
8.10.	Projectile Point Shape Categories by Chert Type	28
8.11.	Projectile Point Shape Categories by Heat Treatment	
8.12.	Biface Chert Type and Heat Treatment Data	31
8.13.	Drill Data	
8.14.	Microliths by Chert Type	39
8.15.	Microcore Data 1	42
8.16.	Microblade and Microdrill Measurement Variable Summary	
8.17.	Nonchert Debitage Items	
8.18.	Nonchert Tools	
8.19.	Limestone Hoe Data	48
8 20	Celt and Celt Preform Data	40

Hawkins Hollow: A Late Mississippian Household in the American Bottom

9.1.	Hawkins Hollow Site Radiocarbon Assays	158
9.2.	Late Mississippian Residential and Mortuary Site Radiocarbon Assays	159
10.1.	Structural Log Analysis Inventory	165-167
10.2.	Flotation Sample Summary Statistics for All Contexts	168
10.3.	Occupations and Associated Features	170
10.4.	Plant Remains from Occupation 1	172-187
10.5.	Measurements of Sumpweed from Late Mississippian Sites	
	in the American Bottom	188
10.6.	Measurements of Cupules	188
10.7.	Hand-Collected Charcoal Sample Inventory	189-190
	Plant Remains from Occupation 2	
10.9.	Cross Tabulation Data for Structural Log Samples	207
	Summary Results of t-tests, Log Diameter by Taxon	
	Plant Remains from Feature 2, Midden, Samples	
	Contexts and Radiocarbon Dates of Domesticated Bean	
	from the American Bottom	219
11.1.	Feature 1 Faunal Summary	222
11.2.	Deer Element Data	224
	Feature 2 Faunal Summary	
12.1.	Skeletal Inventory—Feature 2	231

