

THE POTTERY MOUND MONITORING PROGRAM, 2011

By

David A. Phillips, Jr.

Jean H. Ballagh

Hayward H. Franklin



Maxwell Museum Technical Series No. 17

Permit Nos. NM-11-202-S (survey and inventory),
-M (monitoring), and -T (test excavation) and ABE-11-202
NMCRIS Activity No. 123973

Maxwell Museum of Anthropology
MSC01, 1050, 1 University of New Mexico
Albuquerque, New Mexico 87131-0001
www.unm.edu/~maxwell

Copyright 2012
by the Maxwell Museum of Anthropology,
University of New Mexico

TABLE OF CONTENTS

	Page
Introduction.....	1
Background to the Current Permit Activity.....	2
Fieldwork Under the 2011 Monitoring Permit.....	3
Site Mapping.....	4
Erosion.....	4
Vandalism.....	6
Other Activities.....	6
Discussion.....	6
References Cited.....	6
Appendix A. 2011 Collections from Pottery Mound.....	8
Appendix B. Contour Map of Pottery Mound.....	22

FIGURES

1. Project location.....	2
2. South-to-north profile of the Southeast Arroyo.....	5

Introduction

In December 2010 the Cultural Properties Review Committee, State of New Mexico, issued permits for archaeological monitoring and related activities at LA 416, Pottery Mound, to David Phillips, Curator of Archaeology, Maxwell Museum of Anthropology, University of New Mexico (UNM), Albuquerque. The permit period extended from January 1 through December 31, 2011. This report summarizes permit-related activities in 2011, as well as related developments. The permits allowed survey and inventory, monitoring, test excavations, and excavation of unmarked burials, but the work actually done included only monitoring, mapping, and surface collection. The permit numbers are NM-11-202-S (survey and inventory), -M (monitoring), and -T (test excavation), and ABE-11-202 (unmarked burials). The NMCRIS activity number is 123973.

This is the last annual permit report for the monitoring project that took place from 2004 through 2011. While UNM currently owns Pottery Mound, the parcel is surrounded by Pueblo of Isleta land. The Pueblo has asked the UNM regents to transfer the parcel and site to Isleta, and UNM's archaeology faculty has endorsed the request. In anticipation of this transfer of the site to Tribal control, no permits were sought for monitoring in 2012.

The work was performed by the Maxwell Museum of Anthropology for the University. The goals and methods of the monitoring program are described in a monitoring plan (Phillips 2007). This report refers to the portions of the plan relevant to the work actually done. Figure 1 shows the general location of the site. As this report will be distributed without restrictions, detailed location data are not included. An updated site form, submitted to ARMS, provides a site location map and location details.

The site perches on a sheer bank of the Rio Puerco and is eroding. The goals of the monitoring program were as follows.

1. To document the erosion with the hope that in time, it would be possible to design and carry out measures to slow the erosion. (If Isleta gains ownership of the site, it plans to carry out such conservation measures.)
2. To care for human remains exposed within the site. Based on guidance from Isleta Pueblo, the museum rescued and documented the remains and reburied them within the site. (No exposure of human remains occurred in 2011.)
3. To conduct periodic assessments of the site's research potential. (These were done in response to the terms of a reversion clause in the deed conveying Pottery Mound from the Huning family trust to UNM. In 2011, the trust conveyed its reversion rights in the property to Isleta.)
4. To collect a sample of the site's surface artifacts, which are being removed by unauthorized site visitors, and to otherwise recover at-risk remains before they were lost.
5. To monitor the site for vandalism.

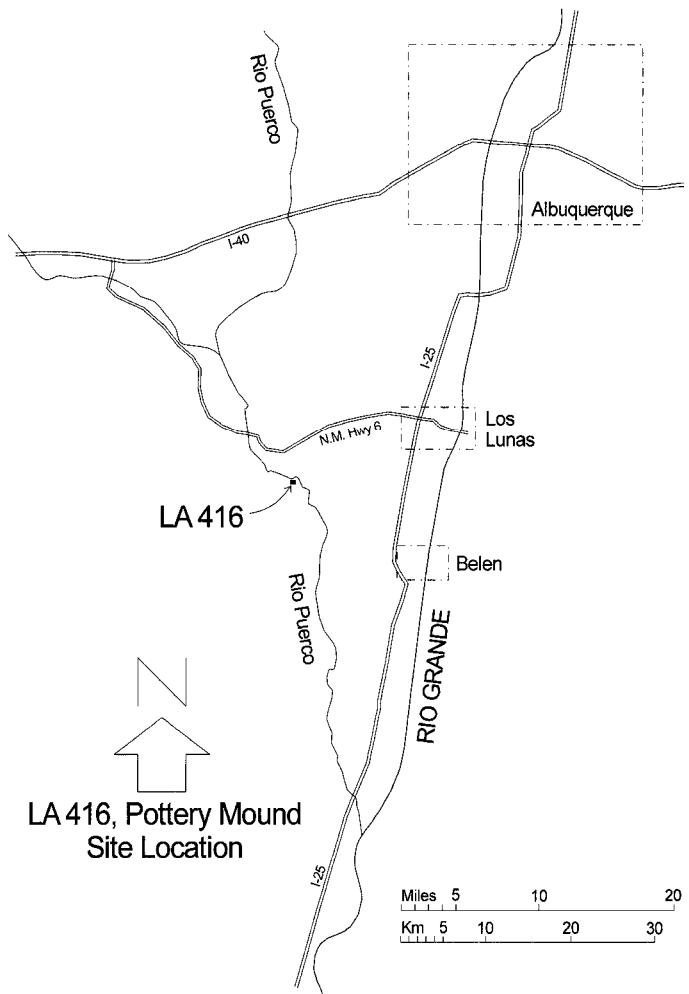


Figure 1. Project location.

6. To conduct non-disturbing studies that aid the interpretation of existing notes and collections.

Background to the Current Permit Activity

Except for a 1979 testing project by Linda Cordell and a few other (very minor) exceptions, all of the early work at Pottery Mound was done by Dr. Frank Hibben, a professor at UNM. Hibben's formal fieldwork included field schools in 1954 (Ballagh and Phillips 2006; Phillips and Ballagh 2008a), 1955 (Ballagh and Phillips 2008), 1957 (Ballagh 2011), and 1958, and an NSF-funded project in 1960–1961. Hibben continued to lead volunteer-based informal digs at the site through the 1980s.

Hibben's primary publication on Pottery Mound focused on the kiva murals (Hibben 1975). A more comprehensive introduction to the site is now available (Schaafsma 2007). Readers are referred to five prior reports (Phillips and Ballagh 2007, 2008b, 2009, 2010; Phillips et al. 2011) for a summary of monitoring activities before 2011.

Fieldwork under the 2010 Monitoring Permit

Field visits to Pottery Mound generally took place during the spring and fall dry seasons. In the winter and summer, heavy rains often make the access road impassable or nearly so.

The first site visit of the year took place on April 7 and included David Phillips, Hayward Franklin, Jean Ballagh, Janice Daigh, and Ellen Herbertson. Since the previous visit in late 2010, vandals had kicked out all of the stakes for the surface collection units on the south midden. The same individuals, presumably, removed or bent over a number of witness posts for the 25 m rebar grid points. Fortunately, all of the vandals' efforts were directed at the archaeological studies, not at the site itself. The group re-established one of the two surface collection transects on the south midden (E 625–626, N 450–475) and collected the southernmost nine units (each 1 by 1 m) in that transect.

On April 21, the crew consisted of the same individuals plus Leslie Cohen. Phillips and Ballagh point provenienced and surface collected Hopi sherds. The other crew members completed the surface collection transect started on April 7.

On May 16, Ballagh and Phillips partly mapped the Rio Puerco floodplain and the slope below the cut bank where Pottery Mound is located. On this day, Phillips noted signs of unauthorized activity at the site, but did not have time to investigate.

On June 22 the Pottery Mound field crew included Phillips, Ballagh, Bernie Bernard, Janice Daigh, and Ellen Herbertson. The crew re-established the second collection line on the south midden (E 650–651, N 450–475) and began surface collecting 1 by 1 m units in that line. Phillips used part of the day to investigate the unauthorized activity noted during the previous visit (see below).

On October 21, Franklin, Cohen, and Daigh completed the second surface collection line on the south midden. Phillips, Ballagh, and Herbertson point provenienced and surface collected Hopi sherds.

On November 4, Phillips, Ballagh, Franklin, Daigh, and Herbertson continued the point proveniencing and surface collection of Hopi sherds. On November 21, Phillips, Ballagh, Daigh, and Herbertson completed that task.

Appendix A lists artifacts collected during the 2011 monitoring season.

Site Mapping

The monitoring program included the collection more than 2,000 total station readings in a Cartesian format (Easting, Northing, and Z or elevation). The map in Appendix B was generated from a spreadsheet of 1,987 readings suitable for preparation of contour maps. The readings will continue to be used for interpreting previous fieldwork, including by the monitoring program. For now, our “best fit” of past archaeological maps and the current map data continues to be as shown in Figures 4 and 5 in the 2009 monitoring report (Phillips and Ballagh 2010).

Erosion

A first visit to Pottery Mound yields the impression that parts of the site are actively tumbling into the Rio Puerco floodplain, while much of the rest is actively melting away. Long-term monitoring led to a different sense. While erosion is an undeniable threat, site loss due to erosion is happening much more slowly than first impressions suggest (see, for example, Phillips and Ballagh 2007:Figure 4). Because of our altered sense of the rate of erosion, monitoring of natural erosion took a back seat to other tasks: detailed site mapping, recovery and reburial of exposed human remains, and obtaining a systematic sample of the surface artifacts (more immediately threatened, due to unauthorized collecting).

With those efforts largely complete as of 2011, Phillips’ plan was to re-emphasize erosion monitoring (and start experiments in erosion control) beginning in 2012. The likely transfer of site ownership to Isleta, which is planning its own erosion control program, caused this plan to be dropped. Nonetheless, information gathered by the monitoring program should assist future erosion monitoring. That information, on file at the Maxwell Museum, includes readings at two erosion monitoring stations, elevation readings along the two largest arroyos at the site, and surface elevations throughout the site.

In 2011, the senior author had the sense that the Southeast Arroyo was actively widening, through collapse of its banks, but also filling. The crew checked the latter possibility through elevation readings along the bed of the arroyo. As Figure 2 shows, elevations along the arroyo bed are almost unchanged between 2007 and 2011. We seem to have witnessed part of the classic life cycle of an arroyo. As the arroyo extends itself headward, rapid down-cutting leads to vertical arroyo walls. (Based on aerial photographs, the Southeast Arroyo began extending itself into the fenced area at Pottery Mound about 1975.) Once the arroyo reaches a stable gradient relative to the controlling stream (in this case, the Rio Puerco), downcutting gives way to bank collapse and the gradual rounding of the transverse arroyo profile. The tentative good news is that the Southeast Arroyo is not likely to get any deeper. The arroyo still presents a threat to the site, through widening (deeply buried deposits are exposed in the arroyo walls) and through the formation of lateral channels that will cut headward towards the mound.

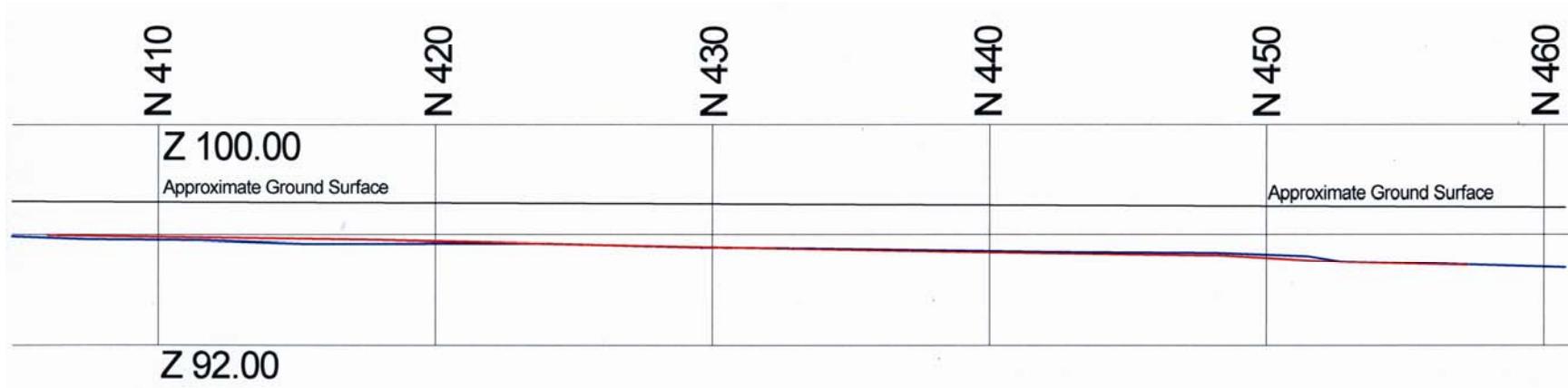


Figure 2. South-to-north profile of the Southeast Arroyo. Grid units are meters. The blue line indicates the bed of the arroyo in the fall of 2007. The red line indicates the bed of the arroyo in the fall of 2011. Over four years, the depth of the arroyo was almost unchanged.

Vandalism at the Site in 2011

In previous years, incidents of site vandalism were noted by the monitoring crew, but all were minor. At some point before May 16, 2011, one or more unauthorized individuals burrowed into cultural deposits exposed in the walls of the Southeast Arroyo, and also dug into LA 161791 (the site outlier north and east of Pottery Mound). The same individual(s) collected surface artifacts, leaving behind “collector’s piles” of rejected items. The resulting memo report (dated June 23, 2012) was submitted to the UNM Police Department and to the Isleta Police. A copy can be found in the project files.

Other Activities

Dr. Suzanne Eckert (Texas A&M University) continued her loan of two collections of sherds from the site (the random sample of surface sherds collected in 1979, and sherds from kiva interiors). Lou Schuyler (Maxwell Museum volunteer) continued her study of the jewelry from Pottery Mound.

On April 13, 2012, the field crew returned to Pottery Mound to pick up the minor debris from the monitoring program (for example, old pinflags), as well as litter from unauthorized visitors.

Discussion

The monitoring program at Pottery Mound has come to an end, but the effort to report on past work at the site continues. Reports currently being prepared will describe the rooms and other features excavated in 1958, and the surface collections made during the monitoring program.

References Cited

Ballagh, Jean H.

2011 *Pottery Mound: The 1957 Field Season*. Maxwell Museum Technical Series No. 10.
University of New Mexico, Albuquerque.

Ballagh, Jean H., and David A. Phillips, Jr.

2006 *Pottery Mound: The 1954 Field Season*. Maxwell Museum Technical Series No. 2.
University of New Mexico, Albuquerque.

2008 *Pottery Mound: The 1955 Field Season*. Maxwell Museum Technical Series No. 8.
University of New Mexico, Albuquerque.

Hibben, Frank C.

1975 *Kiva Art of the Anasazi at Pottery Mound*. KC Publications, Las Vegas.

- Phillips, David A., Jr.
- 2007 *Archaeological Monitoring Plan for LA 416, Pottery Mound, Valencia County, New Mexico, Calendar Year 2008*. Maxwell Museum of Anthropology, University of New Mexico, Albuquerque.
- Phillips, David A., Jr., and Jean H. Ballagh
- 2007 *The Pottery Mound Monitoring Program, 2006*. Maxwell Museum Technical Series No. 3. University of New Mexico, Albuquerque.
- 2008a *Pottery Mound, The 1954 Field Season: Comments on the Rendered Map*. Maxwell Museum Technical Series No. 1, Addendum 1. University of New Mexico, Albuquerque.
- 2008b *The Pottery Mound Monitoring Program, 2007*. Maxwell Museum Technical Series No. 6. University of New Mexico, Albuquerque.
- 2009 *The Pottery Mound Monitoring Program, 2008*. Maxwell Museum Technical Series No. 11. University of New Mexico, Albuquerque.
- 2010 *The Pottery Mound Monitoring Program, 2009*. Maxwell Museum Technical Series No. 13. University of New Mexico, Albuquerque.
- 2011 *The Pottery Mound Monitoring Program, 2010*. Maxwell Museum Technical Series No. 16. University of New Mexico, Albuquerque.
- Phillips, David A., Jr., Jean H. Ballagh, and Hayward H. Franklin
- 2011 *The Pottery Mound Monitoring Program, 2011*. Maxwell Museum Technical Series No. 17. University of New Mexico, Albuquerque.
- Schaafsma, Polly (editor)
- 2007 *New Perspectives on Pottery Mound Pueblo*. University of New Mexico Press, Albuquerque.

Appendix A

2011 COLLECTIONS FROM POTTERY MOUND

LA 416, Pottery Mound: 2011 Point Provenience Collections

Catalogue No.	Easting	Northing	Z (Elev.)	Description
2011.100.2	663.043	482.788	99.798	Hopi sherd
2011.100.3	662.900	481.700	99.758	Hopi sherd
2011.100.4	665.802	482.452	98.800	Hopi sherd
2011.100.5	663.908	485.215	99.131	Hopi sherd
2011.100.6	662.388	485.400	99.030	Hopi sherd
2011.100.7	658.247	486.963	99.340	Hopi sherd
2011.100.8	657.638	487.993	99.524	Hopi sherd
2011.100.9	655.137	489.552	99.917	Hopi sherd
2011.100.10	654.357	491.205	99.914	Hopi sherd
2011.100.11	627.541	487.619	99.390	Hopi sherds (2)
2011.100.12	612.164	482.146	98.257	Hopi sherd
2011.100.13	601.189	486.266	98.054	Hopi sherd
2011.100.14	601.192	486.516	98.049	Hopi sherd
2011.100.15	600.763	487.199	98.144	Hopi sherd
2011.100.16	599.933	488.192	98.095	Hopi sherd
2011.100.17	599.501	487.168	97.970	Hopi sherd
2011.100.18	600.740	486.280	98.052	Hopi sherd
2011.100.19	601.036	486.284	98.063	Hopi sherd
2011.100.20	601.242	486.227	98.060	Hopi sherd
2011.100.21	600.649	487.035	98.062	Hopi sherd
2011.100.22	601.017	487.445	98.124	Hopi sherd
2011.100.23	600.668	488.377	98.184	Hopi sherd
2011.100.24	600.510	488.099	98.127	Hopi sherd
2011.100.25	600.592	488.198	98.141	Hopi sherd
				Hopi sherds (2 conjoining, counted as 1)
2011.100.26	600.444	488.299	98.150	Hopi sherd
2011.100.27	599.962	489.288	98.106	Hopi sherd
2011.100.28	599.901	488.576	98.086	Hopi sherds (2)
2011.100.29	599.168	488.202	98.010	Hopi sherd
2011.100.30	598.736	488.486	97.988	Hopi sherd
2011.100.31	598.519	488.320	97.964	Hopi sherd
2011.100.32	597.262	489.391	97.862	Hopi sherd
2011.100.33	596.942	489.958	97.856	Hopi sherds (2)
2011.100.34	597.806	486.742	97.856	Hopi sherd
2011.100.35	599.446	485.554	97.848	Hopi sherd
2011.100.36	598.573	485.605	97.803	Hopi sherd
2011.100.37	598.225	484.626	97.785	Hopi sherd

LA 416, Pottery Mound:
2011 Point Provenience Collections

Catalogue No.	Easting	Northing	Z (Elev.)	Description
2011.100.38	597.470	483.849	97.682	Hopi sherd
2011.100.39	595.724	483.659	97.641	Hopi sherd
2011.100.40	597.103	484.524	97.719	Hopi sherd
2011.100.41	598.386	485.649	97.867	Hopi sherd
2011.100.42	597.399	485.789	97.803	Hopi sherd
2011.100.43	598.001	486.394	97.852	Hopi sherds (2)
2011.100.45	598.458	486.686	97.894	Hopi sherd
2011.100.47	599.160	487.393	97.975	Hopi sherds (2)
2011.100.48	598.361	487.402	97.900	Hopi sherds (2)
2011.100.49	598.667	488.031	97.990	Hopi sherd
2011.100.50	598.776	487.830	97.983	Hopi sherd
2011.100.51	580.879	503.551	98.454	Hopi sherd
2011.100.52	583.374	507.626	98.714	Hopi sherd
2011.100.54	578.292	520.919	98.347	Hopi sherd
2011.100.55	578.077	520.706	98.359	Hopi sherd
2011.100.56	563.008	528.115	98.206	Hopi sherd
2011.100.57	562.335	528.280	98.180	Hopi sherd
2011.100.59	563.386	528.205	98.211	Hopi sherd
2011.100.60	563.363	528.025	98.212	Hopi sherd
2011.100.61	563.304	528.673	98.211	Hopi sherds (2)
2011.100.62	562.457	530.335	98.208	Hopi sherd
2011.100.63	561.591	532.433	98.202	Hopi sherds (2)
2011.100.64	560.972	532.486	98.165	Hopi sherd
2011.100.66	560.406	532.325	98.160	Hopi sherd
2011.100.67	567.146	540.463	98.423	Hopi sherd
2011.100.68	577.307	537.178	98.341	Hopi sherd
2011.100.69	585.803	544.445	98.356	Hopi sherd
2011.100.70	584.353	543.463	98.344	Hopi sherd
2011.100.71	578.032	549.555	98.582	Hopi sherd
2011.100.72	578.331	549.982	98.606	Hopi sherd
2011.100.73	576.661	550.052	98.546	Hopi sherd
2011.100.74	576.480	550.288	98.559	Hopi sherd
2011.100.75	573.910	553.554	98.645	Hopi sherd
2011.100.76	576.779	553.421	98.887	Hopi sherd
2011.100.77	572.426	554.313	98.483	Hopi sherd
2011.100.78	572.214	555.783	98.473	Hopi sherd
2011.100.79	584.679	560.432	98.274	Hopi sherds (2 conjoining, counted as 1)
2011.100.80	582.737	559.228	98.384	Hopi sherd
2011.100.81	581.890	560.044	98.171	Hopi sherd
2011.100.82	581.015	552.049	98.781	Hopi sherd
2011.100.83	588.146	556.985	98.548	Hopi sherd
2011.100.84	589.234	556.484	98.526	Hopi sherd

LA 416, Pottery Mound:
2011 Point Provenience Collections

Catalogue No.	Easting	Northing	Z (Elev.)	Description
2011.100.85	585.375	562.441	97.922	Hopi sherd
2011.100.86	592.218	561.955	97.889	Hopi sherd
2011.100.87	599.824	558.381	98.050	Hopi sherd
2011.100.88	609.408	555.576	98.139	Hopi sherd
2011.100.89	611.214	556.754	97.920	Hopi sherd
2011.100.90	615.539	555.857	98.223	Hopi sherd
2011.100.91	618.457	556.755	97.964	Hopi sherd
2011.100.92	620.643	562.632	97.350	Hopi sherd
2011.100.93	617.174	562.927	97.377	Hopi sherd
2011.100.94	615.737	561.366	97.488	Hopi sherd
2011.100.95	616.467	561.474	97.549	Hopi sherds (2)
2011.100.96	615.944	559.857	97.685	Hopi sherd
2011.100.97	600.291	573.473	97.383	Hopi sherd
2011.100.98	599.342	572.246	97.322	Hopi sherd
2011.100.99	598.138	575.014	97.464	Hopi sherd
2011.100.100	602.861	575.417	97.320	Hopi sherd
2011.100.101	602.251	578.681	97.348	Hopi sherd
2011.100.102	612.451	550.787	98.310	Hopi sherd
2011.100.103	625.499	538.872	99.024	Hopi sherd
2011.100.104	624.662	539.865	98.889	Hopi sherd
2011.100.105	625.357	539.518	98.945	Hopi sherd
2011.100.106	618.976	540.413	98.796	Hopi sherd
2011.100.107	619.116	540.773	98.776	Hopi sherd
2011.100.108	612.869	542.443	98.836	Hopi sherd
2011.100.109	591.627	548.375	98.429	Hopi sherd
2011.100.110	573.066	557.228	98.480	Hopi sherd
2011.100.111	569.537	532.852	98.399	Hopi sherd
2011.100.112	555.274	531.022	98.085	Hopi sherd
2011.100.113	550.838	529.701	98.096	Hopi sherd
2011.100.114	551.079	529.548	98.091	Hopi sherd
2011.100.115	550.631	529.008	98.054	Hopi sherd
2011.100.116	551.441	530.645	98.122	Hopi sherd
2011.100.117	554.349	536.706	98.193	Hopi sherds (2)
2011.100.118	557.945	542.979	98.270	Hopi sherd
2011.100.119	557.807	543.613	98.305	Hopi sherd
2011.100.120	563.333	555.901	98.105	Hopi sherd
2011.100.121	600.654	473.909	97.486	Hopi sherd
2011.100.122	607.516	465.555	97.490	Hopi sherd
2011.100.123	608.929	463.538	97.473	Hopi sherd
2011.100.124	608.137	465.105	97.503	Hopi sherd
2011.100.125	608.188	465.767	97.528	Hopi sherd
2011.100.126	609.722	466.204	97.602	Hopi sherd
2011.100.127	610.006	471.314	97.902	Hopi sherd

LA 416, Pottery Mound:
2011 Point Provenience Collections

Catalogue No.	Easting	Northing	Z (Elev.)	Description
2011.100.128	609.476	472.007	97.902	Hopi sherd
2011.100.129	667.692	483.377	98.751	<i>Pecten</i> pendant
2011.100.130	665.456	475.727	98.410	Hopi sherd
2011.100.131	665.304	476.147	98.448	Hopi sherd
2011.100.132	664.155	476.365	98.517	Hopi sherd
2011.100.133	629.108	462.406	98.035	Hopi sherd
2011.100.134	619.098	463.812	97.918	Hopi sherd
2011.100.135	619.539	463.637	97.913	Sherd of unidentified type
2011.100.136	616.670	457.686	97.513	Hopi sherd
2011.100.137	611.058	461.754	97.465	Hopi sherd
2011.100.138				Number not assigned
2011.100.139	599.072	475.398	97.481	Awaiting ID
2011.100.140	598.340	475.858	97.483	Awaiting ID
2011.100.141	585.840	474.097	97.473	Awaiting ID
2011.100.142	585.516	474.405	97.479	Awaiting ID
2011.100.143	584.126	477.075	97.464	Awaiting ID
2011.100.144	584.338	477.314	97.474	Awaiting ID
2011.100.145	579.184	474.210	97.454	Awaiting ID
2011.100.146	573.293	472.041	97.460	Awaiting ID
2011.100.147	573.356	476.534	97.449	Awaiting ID
2011.100.148	583.919	469.057	97.447	Awaiting ID
2011.100.149	581.892	465.185	97.422	Awaiting ID
2011.100.150	604.055	452.308	97.405	Awaiting ID
2011.100.151	607.131	437.943	97.311	Awaiting ID
2011.100.152	635.389	446.760	97.361	Awaiting ID
2011.100.153	634.900	446.154	97.353	Awaiting ID
2011.100.155	641.290	454.062	97.419	Awaiting ID
2011.100.156	641.137	454.244	97.428	Awaiting ID
2011.100.157	641.910	455.108	97.462	Awaiting ID
2011.100.158	651.631	449.841	97.303	Awaiting ID
2011.100.159	649.995	450.333	97.308	Awaiting ID
2011.100.160	670.906	450.527	97.269	Awaiting ID
2011.100.161	667.893	448.372	97.226	Awaiting ID
2011.100.162	670.240	447.166	97.248	Awaiting ID
2011.100.163	665.596	460.745	97.362	Awaiting ID
2011.100.164	664.697	460.299	97.367	Awaiting ID
2011.100.165	648.591	460.683	97.647	Awaiting ID
2011.100.166	643.085	466.981	98.023	Awaiting ID
2011.100.167	641.442	466.807	97.997	Awaiting ID
2011.100.168	639.910	466.497	97.971	Awaiting ID
2011.100.169	636.439	470.947	98.229	Awaiting ID
2011.100.170	635.831	471.685	98.291	Awaiting ID

LA 416, Pottery Mound:
2011 Point Provenience Collections

Catalogue No.	Easting	Northing	Z (Elev.)	Description
2011.100.171	635.311	472.105	98.319	Awaiting ID
2011.100.172	635.527	472.393	98.378	Awaiting ID
2011.100.173	634.282	472.018	98.252	Awaiting ID
2011.100.174	633.697	473.042	98.304	Awaiting ID
2011.100.175	607.843	476.634	97.819	Awaiting ID
2011.100.176	607.622	475.458	97.767	Awaiting ID
2011.100.177	601.145	473.476	97.474	Awaiting ID
2011.100.178	606.798	488.830	98.335	Awaiting ID
2011.100.179	609.083	488.570	98.433	Awaiting ID
2011.100.180	586.871	509.778	98.339	Awaiting ID
2011.100.181	570.602	509.530	98.752	Awaiting ID
2011.100.182	568.804	508.000	98.751	Awaiting ID
2011.100.183	563.903	506.887	98.232	Awaiting ID
2011.100.184	563.737	506.710	98.216	Awaiting ID
2011.100.185	561.805	506.575	98.075	Awaiting ID
2011.100.186	560.933	507.291	98.019	Awaiting ID
2011.100.187	557.125	511.287	97.928	Awaiting ID
2011.100.188	557.160	511.546	97.924	Awaiting ID
2011.100.189	557.303	515.992	97.929	Awaiting ID
2011.100.190	557.510	516.302	97.969	Awaiting ID
2011.100.191	556.707	517.022	97.957	Awaiting ID
2011.100.192	559.989	515.547	98.015	Awaiting ID
2011.100.193	559.982	516.292	97.996	Awaiting ID
2011.100.194	559.906	513.999	97.993	Awaiting ID
2011.100.195	561.982	513.258	98.044	Awaiting ID
2011.100.196	563.065	514.658	98.058	Awaiting ID
2011.100.197	563.748	514.368	98.076	Awaiting ID
2011.100.198	563.262	517.901	98.088	Awaiting ID
2011.100.199	555.727	520.196	97.974	Awaiting ID
2011.100.200	553.961	525.079	98.011	Awaiting ID
2011.100.201	555.184	527.244	98.046	Awaiting ID
2011.100.202	556.830	526.147	98.087	Awaiting ID
2011.100.203	557.623	523.483	98.083	Awaiting ID
2011.100.204	559.037	520.583	98.050	Awaiting ID
2011.100.205	561.080	519.818	98.059	Awaiting ID
2011.100.206	562.703	521.168	98.085	Awaiting ID
2011.100.207	567.996	523.791	98.271	Awaiting ID
2011.100.208	523.744	544.315	97.736	Awaiting ID
2011.100.209	517.436	559.164	97.663	Awaiting ID
2011.100.210	528.479	564.651	97.676	Awaiting ID
2011.100.211	522.330	557.073	97.804	Awaiting ID
2011.100.212	543.841	568.559	97.520	Awaiting ID
2011.100.213	544.279	568.271	97.518	Awaiting ID

LA 416, Pottery Mound:
2011 Point Provenience Collections

Catalogue No.	Easting	Northing	Z (Elev.)	Description
2011.100.214	575.067	583.159	97.583	Awaiting ID
2011.100.215	575.863	583.361	97.611	Awaiting ID
2011.100.216	577.473	575.801	97.381	Awaiting ID
2011.100.217	575.455	572.623	97.400	Awaiting ID
2011.100.218	608.456	555.221	98.252	Awaiting ID
2011.100.219	607.959	553.915	98.381	Awaiting ID
2011.100.220	609.856	553.706	98.328	Awaiting ID
2011.100.221	613.802	550.153	98.294	Awaiting ID
2011.100.222	619.164	541.562	98.571	Awaiting ID
2011.100.223	613.842	540.690	98.991	Awaiting ID
2011.100.224	623.268	540.412	98.975	Awaiting ID
2011.100.225	622.424	540.597	99.020	Awaiting ID
2011.100.226	623.112	538.712	99.242	Awaiting ID
2011.100.227	624.745	537.963	99.169	Awaiting ID
2011.100.228	622.996	537.871	99.335	Awaiting ID
2011.100.229	624.214	536.192	99.283	Awaiting ID
2011.100.230	625.242	537.125	99.204	Awaiting ID
2011.100.231	633.797	534.696	99.230	Awaiting ID
2011.100.232	633.319	533.165	99.526	Awaiting ID
2011.100.233	618.104	517.016	98.957	Awaiting ID
2011.100.234	614.674	520.823	98.940	Awaiting ID
2011.100.235	611.646	521.314	98.807	Awaiting ID
2011.100.236	612.051	521.276	98.841	Awaiting ID
2011.100.237	608.958	521.810	98.606	Awaiting ID
2011.100.238	605.927	514.220	98.552	Awaiting ID
2011.100.239	605.038	513.665	98.509	Awaiting ID
2011.100.240	608.061	510.281	98.607	Awaiting ID
2011.100.241	606.066	508.169	98.473	Awaiting ID
2011.100.242	605.819	507.779	98.477	Awaiting ID
2011.100.243	614.223	490.997	98.829	Awaiting ID
2011.100.244	614.036	490.430	98.782	Awaiting ID
2011.100.245	613.865	489.843	98.713	Awaiting ID
2011.100.246	614.976	488.752	98.758	Awaiting ID
2011.100.247	620.275	490.006	99.050	Awaiting ID
2011.100.248	626.706	491.954	99.543	Awaiting ID
2011.100.249	623.819	490.892	99.232	Awaiting ID
2011.100.250	628.232	491.723	99.559	Awaiting ID
2011.100.251	628.115	490.904	99.584	Awaiting ID
2011.100.252	633.884	489.626	99.597	Awaiting ID
2011.100.253	646.307	492.983	99.567	Awaiting ID
2011.100.254	634.220	558.252	97.531	Awaiting ID
2011.100.255	633.305	556.833	97.600	Awaiting ID
2011.100.256	636.574	558.696	97.587	Awaiting ID

LA 416, Pottery Mound:
2011 Point Provenience Collections

Catalogue No.	Easting	Northing	Z (Elev.)	Description
2011.100.257	628.112	569.511	97.414	Awaiting ID
2011.100.258	627.881	569.333	97.396	Awaiting ID
2011.100.259	628.593	570.067	97.370	Awaiting ID
2011.100.260	617.509	573.337	97.275	Awaiting ID
2011.100.261	617.427	570.078	97.055	Awaiting ID
2011.100.262	625.426	571.316	97.079	Awaiting ID
2011.100.263	621.113	564.032	97.257	Awaiting ID
2011.100.264	622.225	564.120	97.272	Awaiting ID
2011.100.265	608.688	556.683	98.043	Awaiting ID
2011.100.266	609.048	558.352	97.745	Awaiting ID
2011.100.267	606.763	558.313	97.805	Awaiting ID
2011.100.268	606.491	558.279	97.808	Awaiting ID
2011.100.269	606.578	558.625	97.757	Awaiting ID
2011.100.270	605.846	558.889	97.761	Awaiting ID
2011.100.271	606.101	559.217	97.697	Awaiting ID
2011.100.272	606.329	559.239	97.698	Awaiting ID
2011.100.273	607.086	555.749	98.284	Awaiting ID
2011.100.274	605.709	555.695	98.328	Awaiting ID
2011.100.275	602.972	556.785	98.214	Awaiting ID
2011.100.276	603.342	558.309	97.920	Awaiting ID
2011.100.277	601.757	558.483	97.997	Awaiting ID
2011.100.278	599.304	561.225	97.733	Awaiting ID
2011.100.279	598.009	561.600	97.741	Awaiting ID
2011.100.280	597.281	561.186	97.855	Awaiting ID
2011.100.281	595.813	562.499	97.703	Awaiting ID
2011.100.282	589.102	559.768	98.393	Awaiting ID
2011.100.283	568.631	539.277	98.441	Awaiting ID
2011.100.284	559.465	534.716	98.135	Awaiting ID
2011.100.285	552.413	528.892	98.058	Awaiting ID
2011.100.286	547.142	526.243	97.996	Awaiting ID
2011.100.287	545.738	525.244	97.926	Awaiting ID
2011.100.288	544.108	525.720	97.869	Awaiting ID
2011.100.289	704.441	472.885	97.142	Awaiting ID
2011.100.290	701.471	473.328	97.074	Awaiting ID
2011.100.291	701.210	471.729	97.159	Awaiting ID
2011.100.292	693.561	478.125	97.414	Awaiting ID
2011.100.293	692.204	477.054	97.470	Awaiting ID
2011.100.294	693.718	482.156	97.310	Awaiting ID
2011.100.295	695.410	483.104	97.158	Awaiting ID
2011.100.296	690.660	489.733	97.300	Awaiting ID
2011.100.297	678.318	488.058	98.330	Awaiting ID
2011.100.298	683.364	478.036	98.047	Awaiting ID
2011.100.299	677.625	495.774	98.013	Awaiting ID

LA 416, Pottery Mound:
2011 Point Provenience Collections

Catalogue No.	Easting	Northing	Z (Elev.)	Description
2011.100.300	686.165	493.368	97.549	Awaiting ID
2011.100.301	673.373	502.696	97.828	Awaiting ID
2011.100.302	669.433	511.573	98.036	Awaiting ID
2011.100.303	669.485	511.838	98.037	Awaiting ID
2011.100.304	669.329	512.316	98.010	Awaiting ID
2011.100.305	675.546	516.012	97.349	Awaiting ID
2011.100.306	684.553	522.470	96.870	Awaiting ID
2011.100.307	688.005	521.251	96.859	Awaiting ID
2011.100.308	696.250	525.611	96.845	Awaiting ID
2011.100.328	668.403	518.658	97.702	Awaiting ID
2011.100.329	670.016	518.477	97.740	Awaiting ID
2011.100.330	658.605	525.074	98.204	Awaiting ID
2011.100.331	Grab sample from E Push Pile, for type collection			
2011.100.332	Grab sample from a collector's pile, for type collection			
2011.100.333	Grab sample from SE Arroyo, for type collection			
2011.100.334	661.312	535.556	97.426	Awaiting ID
2011.100.335	660.493	533.869	97.431	Awaiting ID
2011.100.336	669.724	541.830	97.124	Awaiting ID
2011.100.337	670.909	540.681	97.085	Awaiting ID
2011.100.338	664.832	547.402	97.181	Awaiting ID
2011.100.339	662.015	544.487	97.353	Awaiting ID
2011.100.340	657.839	546.472	97.229	Awaiting ID
2011.100.341	651.027	531.676	98.470	Awaiting ID
2011.100.342	674.217	532.812	96.950	Awaiting ID
2011.100.343	679.902	532.138`	96.904	Awaiting ID
2011.100.344	680.802	530.969	96.899	Awaiting ID
2011.100.345	690.372	528.911	96.867	Awaiting ID
2011.100.346	674.506	526.633	97.291	Awaiting ID
2011.100.347	628.611	529.909	99.321	Awaiting ID
2011.100.348	657.865	487.742	99.518	Awaiting ID
2011.100.349	658.067	485.572	99.310	Awaiting ID
2011.100.350	660.908	525.161	97.728	Awaiting ID
2011.100.351	660.018	526.945	97.800	Awaiting ID
2011.100.352	655.114	532.642	97.822	Awaiting ID

The next table summarizes the 2011 collection of two transects of units (South Midden West [SMW] and South Midden East [SME] on the South Midden, supervised by Hayward Franklin. Unlike on the West Midden, ground visibility was good throughout.

Surface Sample of South Midden (1 by 1 m units)
Collected in 2011

Collection Unit	Location	FS HF-	Material
SMW 1	E. 625, N. 450	97	Sherds
SMW 2	E. 625, N. 451	98	Sherds
SMW 3	E. 625, N. 452	99	Sherds
SMW 3	E. 625, N. 452	100	Stone
SMW 4	E. 625, N. 453	101	Sherds
SMW 4	E. 625, N. 453	102	Stone
SMW 4	E. 625, N. 453	103	Animal bone
SMW 5	E. 625, N. 454	104	Sherds
SMW 5	E. 625, N. 454	105	Stone
SMW 5	E. 625, N. 454	106	Animal bone
SMW 6	E. 625, N. 455	107	Sherds
SMW 6	E. 625, N. 455	108	Stone
SMW 6	E. 625, N. 455	109	Animal bone
SMW 6	E. 625, N. 455	110	Burned adobe
SMW 7	E. 625, N. 456	111	Sherds
SMW 7	E. 625, N. 456	112	Stone
SMW 8	E. 625, N. 457	113	Sherds
SMW 8	E. 625, N. 457	114	Stone
SMW 8	E. 625, N. 457	115	Manos
SMW 8	E. 625, N. 457	116	Animal bone
SMW 8	E. 625, N. 457	117	Burned adobe
SMW 9	E. 625, N. 458	118	Sherds
SMW 9	E. 625, N. 458	119	Stone
SMW 9	E. 625, N. 458	120	Animal bone
SMW 9	E. 625, N. 458	121	Burned adobe
SMW 10	E. 625, N. 459	122	Stone
SMW 10	E. 625, N. 459	123	Sherds
SMW 11	E. 625, N. 460	124	Stone
SMW 11	E. 625, N. 460	125	Sherds
SMW 11	E. 625, N. 460	126	Burned adobe
SMW 11	E. 625, N. 460	127	Animal bone
SMW 12	E. 625, N. 461	128	Sherds
SMW 12	E. 625, N. 461	129	Stone
SMW 12	E. 625, N. 461	130	Projectile point
SMW 10	E. 625, n. 459	131	Animal bone
SMW 10	E. 625, n. 459	132	Burned adobe
SMW 13	E. 625, N. 462	133	Sherds
SMW 13	E. 625, N. 462	134	Stone

Surface Sample of South Midden (1 by 1 m units)
Collected in 2011

Collection Unit	Location	FS HF-	Material
SMW 14	E. 625, N. 463	135	Sherds
SMW 14	E. 625, N. 463	135.5	Stone
SMW 15	E. 625, N. 464	136	Charcoal
SMW 15	E. 625, N. 464	137	Animal bone
SMW 15	E. 625, N. 464	138	Sherds
SMW 15	E. 625, N. 464	139	Stone
SMW 16	E. 625, N. 465	140	Sherds
SMW 16	E. 625, N. 465	141	Stone
SMW 16	E. 625, N. 465	142	Animal bone
SMW 17	E. 625, N. 466	143	Sherds
SMW 17	E. 625, N. 466	144	Stone
SMW 17	E. 625, N. 466	145	Animal bone
SMW 18	E. 625, N. 467	146	Sherds
SMW 18	E. 625, N. 467	147	Stone
SMW 18	E. 625, N. 467	148	Animal bone
SMW 19	E. 625, N. 468	149	Sherds
SMW 19	E. 625, N. 468	150	Stone
SMW 19	E. 625, N. 468	151	Animal bone
SMW 20	E. 625, N. 469	152	Sherds
SMW 20	E. 625, N. 469	153	Stone
SMW 20	E. 625, N. 469	154	Animal bone
SMW 21	E. 625, N. 470	155	Sherds
SMW 21	E. 625, N. 470	156	Stone
SMW 22	E. 625, N. 471	157	Sherds
SMW 22	E. 625, N. 471	158	Stone
SMW 23	E. 625, N. 472	159	Sherds
SMW 23	E. 625, N. 472	160	Stone
SMW 23	E. 625, N. 472	161	Projectile point
SMW 23	E. 625, N. 472	162	Animal bone
SMW 23	E. 625, N. 472	163	Shell
SMW 24	E. 625, N. 473	165	Sherds
SMW 24	E. 625, N. 473	166	Stone
SMW 25	E. 625, N. 474	167	Sherds, limonite
SMW 25	E. 625, N. 474	168	Stone
SME 1	E. 650, N. 450	169	Sherds
SME 1	E. 650, N. 450	170	Flaked stone
SME 2	E. 650, N. 451	171	Sherds
SME 2	E. 650, N. 451	172	Flaked stone
SME 3	E. 650, N. 452	173	Sherds
SME 3	E. 650, N. 452	174	Flaked stone
SME 4	E. 650, N. 453	175	Sherds
SME 4	E. 650, N. 453	176	Flaked stone
SME 4	E. 650, N. 453	177	Animal bone

Surface Sample of South Midden (1 by 1 m units)
Collected in 2011

Collection Unit	Location	FS HF-	Material
SME 5	E. 650, N. 454	178	Sherds
SME 5	E. 650, N. 454	179	Flaked stone
SME 5	E. 650, N. 454	180	Ground stone
SME 5	E. 650, N. 454	181	Animal bone
SME 5	E. 650, N. 454	182	Shell?
SME 6	E. 650, N. 455	183	Sherds
SME 6	E. 650, N. 455	184	Flaked stone
SME 6	E. 650, N. 455	185	Ground stone
SME 6	E. 650, N. 455	186	Animal bone
SME 7	E. 650, N. 456	187	Sherds
SME 7	E. 650, N. 456	188	Flaked stone
SME 7	E. 650, N. 456	189	Ground stone
SME 7	E. 650, N. 456	190	Animal bone
SME 8	E. 650, N. 457	191	Sherds
SME 8	E. 650, N. 457	192	Ground stone
SME 8	E. 650, N. 457	193	Flaked stone
SME 8	E. 650, N. 457	194	Animal bone
SME 8	E. 650, N. 457	195	Charcoal
SME 9	E. 650, N. 458	196	Animal bone
SME 9	E. 650, N. 458	197	Flaked stone
SME 9	E. 650, N. 458	198	Sherds
SME 10	E. 650, N. 459	199	Sherds
SME 10	E. 650, N. 459	200	Flaked stone
SME 10	E. 650, N. 459	201	Burned adobe
SME 10	E. 650, N. 459	202	Ground stone
SME 10	E. 650, N. 459	203	Animal bone
SME 11	E. 650, N. 460	204	Sherds
SME 11	E. 650, N. 460	205	Flaked stone
SME 11	E. 650, N. 460	206	Ground stone
SME 11	E. 650, N. 460	207	Adobe
SME 12	E. 650, N. 461	208	Sherds
SME 12	E. 650, N. 461	209	Flaked stone
SME 12	E. 650, N. 461	210	Ground stone
SME 13	E. 650, N. 462	211	Selenite
SME 13	E. 650, N. 462	212	Sherds
SME 13	E. 650, N. 462	213	Flaked stone
SME 13	E. 650, N. 462	214	Ground stone
SME 13	E. 650, N. 462	215	Burned adobe
SME 14	E. 650, N. 463	216	Sherds
SME 14	E. 650, N. 463	217	Flaked stone
SME 14	E. 650, N. 463	218	Ground stone
SME 14	E. 650, N. 463	219	Burned adobe
SME 14	E. 650, N. 463	220	Turquoise

Surface Sample of South Midden (1 by 1 m units)
Collected in 2011

Collection Unit	Location	FS HF-	Material
SME 14	E. 650, N. 463	221	Animal bone
SME 15	E. 650, N. 464	222	Sherds
SME 15	E. 650, N. 464	223	Flaked stone
SME 15	E. 650, N. 464	224	Ground stone
SME 15	E. 650, N. 464	225	Burned adobe
SME 15	E. 650, N. 464	226	Animal bone
SME 16	E. 650, N. 465	227	Sherds
SME 16	E. 650, N. 465	228	Flaked stone
SME 16	E. 650, N. 465	229	Ground stone
SME 16	E. 650, N. 465	230	Animal bone
SME 16	E. 650, N. 465	231	Burned adobe
SME 17	E. 650, N. 466	232	Sherds
SME 17	E. 650, N. 466	233	Flaked stone
SME 17	E. 650, N. 466	234	Ground stone
SME 17	E. 650, N. 466	235	Burned adobe
SME 17	E. 650, N. 466	236	Animal bone
SME 18	E. 650, N. 467	237	Sherds
SME 18	E. 650, N. 467	238	Flaked stone
SME 18	E. 650, N. 467	239	Ground stone
SME 18	E. 650, N. 467	240	Turquoise
SME 18	E. 650, N. 467	241	Animal bone
SME 19	E. 650, N. 468	242	Sherds
SME 19	E. 650, N. 468	243	Flaked stone
SME 19	E. 650, N. 468	244	Ground stone
SME 19	E. 650, N. 468	245	Animal bone
SME 20	E. 650, N. 469	246	Sherds
SME 20	E. 650, N. 469	247	Flaked stone
SME 20	E. 650, N. 469	248	Burned adobe
SME 20	E. 650, N. 469	249	Ground stone
SME 20	E. 650, N. 469	250	Animal bone
SME 21	E. 650, N. 470	251	Sherds
SME 21	E. 650, N. 470	256	Flaked stone
SME 21	E. 650, N. 470	257	Ground stone
SME 21	E. 650, N. 470	258	Animal bone
SME 21	E. 650, N. 470	259	Burned adobe
SME 22	E. 650, N. 471	260	Sherds
SME 22	E. 650, N. 471	261	Flaked stone
SME 22	E. 650, N. 471	262	Ground stone
SME 22	E. 650, N. 471	263	Animal bone
SME 23	E. 650, N. 472	264	Sherds
SME 23	E. 650, N. 472	265	Flaked stone
SME 23	E. 650, N. 472	266	Ground stone
SME 23	E. 650, N. 472	267	Burned adobe

Surface Sample of South Midden (1 by 1 m units)
Collected in 2011

Collection Unit	Location	FS HF-	Material
SME 24	E. 650, N. 473	268	Sherds
SME 24	E. 650, N. 473	269	Flaked stone
SME 24	E. 650, N. 473	270	Ground stone
SME 24	E. 650, N. 473	271	Charcoal
SME 24	E. 650, N. 473	272	Animal bone
SME 25	E. 650, N. 474	273	Sherds
SME 25	E. 650, N. 474	274	Flaked stone
SME 25	E. 650, N. 474	275	Ground stone
SME 25	E. 650, N. 474	276	Burned adobe

Appendix B

CONTOUR MAP OF POTTERY MOUND

The contour map on the following page was prepared using Surfer 8. The site grid is oriented to true north. Grid units are meters. The contour interval is 25 cm (roughly 1 foot).

Comparison of this map with Frank Hibben's plane table map of the mound, prepared in 1954 (Ballagh and Phillips 2006:Figure 2) confirms general validity of the plane table map. As shown by Hibben, Pottery Mound originally consisted of two adjoining mounds, the one to the southeast being much higher than the one to the northwest. The UNM field schools were concentrated in the "southeast" mound and the northern tip of that mound was removed by excavation. The uneven surface of the "southeast" mound is due to mechanical and hand excavation and the creation of backdirt piles. The "northwest" mound was largely untouched by UNM and retains its original, mostly smooth surface. The two backdirt piles at the south end of the "northwest" mound flank the South Bulldozer Trench. The depression at the north end of the "northwest" mound appears to be a looter's hole.

The blank area in the upper right portion of the map represents the 11 m drop into the Rio Puerco floodplain. The notch in the bank of the Rio Puerco, due north of the "southeast" mound, was created by Hibben's "salvage" excavations. About E 690, N 540, the rise next to the bank of the Rio Puerco is a backdirt pile. The rise located about E 710, N 510 is the east push pile for the South Bulldozer Trench.

