2017 Preservation Archaeology at the Gila River Farm Site

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DECEMBER 2017

The Archaeology Southwest–University of Arizona Preservation Archaeology Field School completed our second field season of excavations at the Gila River Farm site (LA 39315) near Cliff, New Mexico, in the summer of 2017. Eleven undergraduates from institutions across the country spent six weeks learning excavation, archaeological survey, experimental archaeology, and laboratory analysis skills by doing hands-on archaeological research.

Farmers lived in the village we call the Gila River Farm site during the Cliff phase (A.D. 1300–1450). The village included at least three separate areas of adobe architecture, or “room blocks.” The northern two are visible as mounded areas today, but the southernmost block is not readily apparent from the surface.

Above: Chris, Emily, Ashley, and Leslie take a quick break on our backdirt pile. Left: Map of 2016-2017 excavations at the Gila River Farm site. Map by Catherine Gilman based on data from Michael Brack and Tyler Theriot. Below: Sam and Sophie reveal the tops of ancient adobe walls.
This year, our crew put a lot of energy into digging shallow trenches in the southernmost room block that exposed the tops of walls without disturbing intact deposits lower down. To our surprise, this room block is quite large, extending all the way to (and under) the modern dirt road at the south end of the site. Although they’re invisible from the surface, these rooms are very well-preserved lower down.

We also did more intensive excavations in two rooms in the southern room block, removing and carefully screening all the deposits down to the preserved room floors. One had a large number of fish bones on the floor, an unusual finding in archaeological sites in this area. Another had wings and legs from at least seven different birds, including the left wing of a loon, the right leg of a small heron or large egret, the right leg of a red-tailed hawk, legs and wings from at least three additional hawks, and a very large eagle talon. People purposefully left these bird limbs on the floor of the room, which then filled with washed-in soil and trash from nearby on the site. This room also contained broken pieces of several different perforated plates, a base used in pottery-making. Both excavated rooms also held pieces of minerals used for pigment, and some grinding stones with traces of pigment left on them.
In the central room block, we excavated in a room near the edge of the area where architecture is visible on the surface today. This room showed evidence of several different kinds of disturbance over time. The room's floor showed signs of weathering and a large pit where someone dug through the room, either in ancient times or more recently. After people stopped living in the room, it was partially filled in by washed-in dirt and debris. Later, it was reused briefly by ancient people whose activities formed an ephemeral floor-like surface that held a few artifacts. Much more recently, hand-dug pot holes and mechanical disturbance created additional pits in the deposit. The centuries of disturbance in this room give us an interesting view of activities here by different people over time.

At the north end of the site, our crew focused on looking for undisturbed remnants of architecture. Our work in 2016 had revealed a combination of older Classic Mimbres (A.D. 1000–1130) pottery along with the Cliff phase deposits found here and across most of the site. This year, we placed a 7.65m-long trench across a series of three hand-dug looters’ holes, hoping that we would find remnants of ancient walls. No traces of intact architecture remained in this area, which was very heavily impacted by pothunters in the past. Still, the broken pottery sherds we located in this trench do confirm the presence of both Classic Mimbres and Cliff phase deposits here. We also recovered a finger-grooved mano, a type of grinding stone linked to people living in the Four Corners area.
Our 2017 work raised several interesting questions. The perforated plates, pigments, and pigment-stained grinding stones concentrated in the southern room block suggest potters may have lived there, a possibility we look forward to investigating by testing surrounding rooms. This year’s shallow wall trenches revealed that the site is larger than previously thought, and we plan to continue this testing next summer in order to improve our estimates of how many rooms the site consisted of and how many people once lived there. We also look forward to identifying the many fish bones and additional bird bones from the excavations, which will provide interesting information on the species present in this riverine area in the past compared to today.

Acknowledgments:

We thank the Nature Conservancy and the landowners and friends who provided access to the Gila River Farm site and good conversation throughout the field season; the Davises, our hosts in Cliff; our amazing cook Julie Gierhart; and the many residents of the Cliff/Gila area who welcome us each year. Funding for this project was provided by the National Science Foundation (NSF REU), the University of Arizona Foundation, and members and donors of Archaeology Southwest. Special thanks to the 2017 Upper Gila Preservation Archaeology Field School: Stephen Uzzle (Cochise College, AZ), Samuel Banderas (Riverside Community College, CA), Sophia Draznin-Nagy (Mills College, CA), Stacy Ryan (Archaeology Southwest), Christopher LaRoche (Pima Community College, AZ), Ashley Huntley (U. of Cincinnati), Dylan Fick (New College, FL), Susannah Johnson (Utah Valley U.), Jonathan Schaefer (U. of Missouri), Taylor Picard (Humboldt State U., CA), Karla Glasgow (California State U. Los Angeles), Emily Tarantini (Mt. Holyoke College, MA), Lisa Palacios (U. of Arizona), and Allen Denoyer, Evan Giomi, and Leslie Aragon (not pictured).
Photo highlights from the 2017 excavations

Above left: Stacy and Susie describe excavated deposits in their field notes while Steve labels the bags of artifacts collected there. Above right: A shell ornament found in the southern room block. A type of ornament often called a “tinkler,” this bell-like item is crafted of Conus shell from the Gulf of California.

We excavated about 2/3 of this ancient room, which would have been a house for a family or similar social unit. The adobe walls are visible at Taylor’s back, left, and in front of his orange buckets. The edge of the unexcavated dirt filling the room shows in profile to Taylor’s right.