

A CLASS III CULTURAL RESOURCES SURVEY  
ACROSS 36.4 ACRES OF PRIVATE LAND,  
PARCEL 219-49-003A, PIMA COUNTY, ARIZONA

Prepared for:  
**Bowers Environmental**

Prepared and submitted by:  
**MCA Consulting**  
Joseph Howell and Michael Cook  
12190 North Tall Grass Drive  
Oro Valley, Arizona 85755

January 3, 2022  
MCA Cultural Resources Report No. 2021.058



**STATE HISTORIC PRESERVATION OFFICE  
SURVEY REPORT SUMMARY FORM**

2

**1. REPORT TITLE**

**1a. Report Title:** A Class III Cultural Resources Survey Across 36.4 Acres of Private Land, Parcel 219-49-003A, Pima County, Arizona

**1b. Report Authors:** Joseph Howell, Michael Cook

**1c. Report Date:** January 3, 2022 **1d. Report No.:** MCA 2021.058

**2. PROJECT REGISTRATION/PERMITS**

**2a. ASM Accession Number:** N/A

**2b. AAA Permit Number:** N/A

**2c. ASLD Permit Application Number:** N/A

**2d. Other Permit Numbers:** N/A

**3. ORGANIZATION/CONSULTING FIRM**

**3a. Name:** MCA Consulting

**3b. Internal Project Number:** MCA 2021.058

**3c. Internal Project Name:** Moore Road and La Canada Class III

**3d. Contact Name:** Michael Cook

**3e. Contact Address:** 12190 N. Tall Grass Dr., Oro Valley, Arizona 85755

**3f. Contact Phone:** (520) 203-4902

**3g. Contact Email:** mike@mca-arizona.com

**4. SPONSOR/LEAD AGENCY**

**4a. Sponsor:** Bowers Environmental on behalf of private developer

**4b. Lead Agency:** Pima County Office of Cultural Resources and Historic Preservation

**4c. Agency Project Number:** N/A

**4d. Agency Project Name:** N/A

**4e. Funding Source:** Private

**4f. Other Involved Agencies:** N/A

**4g. Applicable Regulations:** Arizona Antiquities Act, A.R.S. §41-841 *et seq.*, and all implementing rules; Pima County Board of Supervisors Policy C 3.17 and Pima County Board of Supervisors Resolution 1983-104

**5. DESCRIPTION OF PROJECT OR UNDERTAKING:** Residential development

**6. PROJECT AREA:** The Project Area consists of one rectangular 36.4-acre parcel.

**STATE HISTORIC PRESERVATION OFFICE  
SURVEY REPORT SUMMARY FORM**

3

**7. PROJECT LOCATION**

**7a. Address:** Parcel 219-49-003A

**7b. Route:** N/A

**7c. Mileposts Limits:** N/A

**7d. Nearest City:** Oro Valley, Arizona

**7e. County:** Pima

**7f. Project Locator UTM:** 500438 Easting; 358862 Northing

**7g. NAD** 83

**7h. Zone:** 12

**7i. Baseline & Meridian:** G&SRB&M

**7j. USGS Quadrangle:** *Oro Valley, Arizona*

**7k. Legal Description:** NW  $\frac{1}{4}$  of the NW  $\frac{1}{4}$  of Section 35, Township 11 South, Range 13 East

**8. SURVEY AREA**

**8a. Total Acres:** 36.4

**8b. Survey Area.**

1. Land Jurisdiction	2. Total Acres Surveyed	3. Total Acres Not Surveyed	4. Justification for Areas Not Surveyed
Private	36.4	0	N/A

**9. ENVIRONMENTAL CONTEXTS**

**9a. Landform:** Alluvial fan

**9b. Elevation:** 2,870 feet amsl

**9c. Surrounding Topographic Features:** The Project Area is dominated by the Tortolita Mountains to the northwest, and by the Santa Catalina Mountains to the east.

**9d. Nearest Drainage:** A prominent but unnamed drainage runs through the center of the surveyed parcel.

**9e. Local Geology:** The Project Area spans two geological units, the Quaternary surficial deposits, undivided unit (unconsolidated to strongly consolidated alluvial and eolian deposits that include coarse, poorly sorted alluvial fan and terrace deposits on middle and upper piedmonts and along large drainages; sand, silt and clay on alluvial plains and playas; and wind-blown sand deposits); and the Pliocene to middle Miocene deposits unit (moderately to strongly consolidated conglomerate and sandstone deposited in basins during and after late Tertiary faulting. Includes lesser amounts of mudstone, siltstone, limestone, and gypsum. These deposits are generally light gray or tan. They commonly form high rounded hills and ridges in modern basins, and locally form prominent bluffs. Deposits of this unit are widely exposed in the dissected basins of southeastern and central Arizona).

**STATE HISTORIC PRESERVATION OFFICE  
SURVEY REPORT SUMMARY FORM**

4

**9f. Vegetation:** The Project Area is within the Arizona Upland Subdivision, Semidesert Grassland biotic community (Brown 1994). Vegetation within the Project Area is consistent with plants typically found in this biotic community and includes mesquite, palo verde, cholla, prickly pear, catclaw, barrel cactus, datura, and annual grasses.

**9g. Soils/Deposition:** Soils in the Project Area include Hayhook-Sahuarita complex, 1 to 5 percent slopes; and Palos Verdes-Jaynes complex, 2 to 8 percent slopes (Natural Resources Conservation Service 2021). Soils observed during field survey consisted of loosely compacted sandy loam.

**9h. Buried Deposits:** Not likely

**9i. Justification:** Low potential for subsurface cultural deposits in Project Area.

**10. BUILT ENVIRONMENT:** Modern, paved roads (West Moore Road and La Canada Drive) run along the north and east Project Area boundaries. Barbed wire fencing runs along the western edge of the Project Area. An informal walking trail trends approximately north-south along the west side of a large drainage near the center of the Project Area. Modern residential houses are south of the Project Area.



**Photo 1.** Project Area overview; view to north.

**STATE HISTORIC PRESERVATION OFFICE  
SURVEY REPORT SUMMARY FORM**

5

**11. INVENTORY CLASS COMPLETED**

**11a. Class I Inventory:** ☒

**11b. Class I Search Radius:** ☒ 1 mile ☐ ½ mile

**11b. Researcher:** Joseph Howell

**11c. Class II Survey:** ☐

**11d. Sampling Strategy:** N/A

**11e. Class III Inventory:** ☒

**12. BACKGROUND RESEARCH SOURCES**

**12a. AZSITE:** ☒

**12b. ASM Archaeological Records Office:** ☐

**12c. SHPO Inventories and/or SHPO Library:** ☐

**12d. NRHP Database:** ☒

**12e. ADOT Portal:** ☐

**12f. Land-Managing Agency Files:** N/A

**12g. Tribal Cultural Resources Files:** N/A

**12h. Local Government Websites:** N/A

**12i. GLO Maps:** No historical structures or cultural features intersect the Project Area on the original General Land Office (GLO) plat encompassing the Project Area (Bureau of Land Management 2021a; GLO 1924).

**12j. Original Land Patents:** Historic land patent records for Section 35 of Township 11 South, Range 13 East were reviewed. The review indicated that the northern half of Section 35 was claimed under Patent No. 1050397, filed by William J. Hedgepeth, and dated October 12, 1931. This claim also encompassed portions of Section 26, immediately to the north. (Bureau of Land Management 2021b).

**12k. USGS Topographic Maps:** The Class I Study Area is covered by several historic USGS maps (USGS 2021). No historic features intersect the Project Area. However, some historic road features were adjacent or near the Project Area boundaries.

Map Name	Scale	Date	Cultural Features
Tucson	1:125,000	1904 (1957 edition)	No features depicted.
Tucson	1:125,000	1905 (1905 and subsequent editions)	No features depicted.
Tucson	1:250,000	1956 (1967	An unimproved dirt road borders the Project Area on the north.

**STATE HISTORIC PRESERVATION OFFICE  
SURVEY REPORT SUMMARY FORM**

6

Map Name	Scale	Date	Cultural Features
		edition)	
Mount Lemmon	1:62,500	1957 (1959 and subsequent editions)	An unimproved dirt road borders the Project Area on the north; Tangerine Road borders Section 35 on the south; a stock tank or similar water retention feature appears in the northwest corner of Section 36.
Tucson	1:250,000	1958 (1958 edition)	An unimproved dirt road borders the Project Area on the north; a corral is depicted just east of the stock tank in Section 36.
Tucson	1:250,000	1959 (1959 edition)	An unimproved dirt road borders the Project Area on the north; a corral is depicted just east of the stock tank in Section 36.
Tucson	1:250,000	1962 (1962 edition); 1964 (1964 edition)	An unimproved dirt road borders the Project Area on the north; the corral and stock tank are not depicted on these maps.

**12l. Arizona Department of Water Resources (ADWR) Register:** No wells are recorded within the Project Area. Numerous wells are located within the Class I Study Area, but only one is greater than 50 years of age (Registration No. 55-639929, construction completed December, 1970) (ADWR 2021).

**12m. Historical Mining Records:** No historical mining features or claims have been documented in the Project Area (Mineral Resource Data System 2021; Arizona Geological Survey 2021).

### 13. BACKGROUND RESEARCH RESULTS

**13a. Previous Surveys Adjacent to the Project Area.** The Project Area has not been previously surveyed. Four previous survey projects have been conducted adjacent to the Project Area.

1. Project No.	2. Project Name	3. Author	4. Year
2010-399.ASM	La Canada Moore Road	Granger	2009
2013-123.ASM	Kingair Road Cultural Resources Survey (P.A.S.T. Project 041652)	Stephen	2004
2003-568.ASM	Oro Valley Effluent Pipeline Survey and Monitoring	Wegener	2005
2018-454.ASM	TOV Northwest Recharge, Recovery, and Delivery System	Stone	2019

**STATE HISTORIC PRESERVATION OFFICE  
SURVEY REPORT SUMMARY FORM**

7

**13b. Previously Recorded Cultural Resources Within Class I Study Area.** No previously recorded sites have been documented within the Project Area. Fourteen sites have been documented within the Class I Study Area.

1. Site Number/Name	2. Affiliation	3. Site Type	4. Eligibility Status	5. Associated Reference(s)
AZ BB:9:180(ASM)	Hohokam, Ceramic period (A.D. 200-1500)	Artifact scatter	Not evaluated	Craig and Wallace 1987
AZ BB:9:181(ASM)	Hohokam, Ceramic period (A.D. 200-1500)	Artifact scatter with possible features	Not evaluated	Craig and Wallace 1987
AZ BB:9:182(ASM)	Hohokam, Ceramic period (A.D. 200-1500)	Artifact scatter	Not evaluated	Craig and Wallace 1987
AZ BB:9:183(ASM)	Hohokam, Ceramic period (A.D. 200-1500)	Artifact scatter with features	Not evaluated	Craig and Wallace 1987
AZ BB:9:184(ASM)	Hohokam, Ceramic period (A.D. 200-1500)	Artifact scatter	Not evaluated	Craig and Wallace 1987
AZ BB:9:185(ASM)	Hohokam, Ceramic period (A.D. 200-1500)	Artifact scatter	Not evaluated	Craig and Wallace 1987
AZ BB:9:188(ASM)	Hohokam Sedentary period (A.D. 950-1100)	Artifact scatter with feature	Not evaluated	Craig and Wallace 1987
AZ AA:12:779(ASM)	Hohokam, Ceramic period (A.D. 200-1500)	Artifact scatter	Not evaluated	Swartz 1995
AZ BB:9:299(ASM)	Hohokam, Ceramic period (A.D. 200-1500)	Artifact scatter	Not evaluated	Swartz 1995
AZ BB:9:392(ASM)	Hohokam, Ceramic period (A.D. 200-1500)	Artifact scatter with feature	Not evaluated	Stephen 2004
AZ BB:9:414(ASM)	Hohokam Classic period (A.D. 1100-1450)	Artifact scatter	Recommended eligible (recorder)	Cook and Harrison 2007
AZ A:12:1122(ASM)/ Tangerine Road	Historic period (A.D. 1500-1950)	Feature	Not evaluated	Deaver 2013
AZ BB:9:174(ASM)	Hohokam, Ceramic period (A.D. 200-1500)	Artifact scatter with features	Not evaluated	Craig and Wallace 1987
<i>Newly Recorded Site</i>				
AZ BB:9:359(ASM)	-	-	-	Stephen 2001

**STATE HISTORIC PRESERVATION OFFICE  
SURVEY REPORT SUMMARY FORM**

8

**13c. Historic Buildings/Districts/Neighborhoods.**

A review of NRHP properties indicates there are no listed historic properties within the review area. The nearest listed property is Steam Pump Ranch, about 3.2 miles southeast of the Project Area (National Park Service 2020).

**14. CULTURAL CONTEXTS**

**14a. Prehistoric Culture:** Archaic, Hohokam

**14b. Protohistoric Culture:** Spanish, A.D. 1452 to 1700s

**14c. Indigenous Historic Culture:** Apache, O'odham

**14d. Euro-American Culture:** Historic, 1870s to 1971

**15. FIELD SURVEY PERSONNEL**

**15a. Principal Investigator:** Michael Cook

**15b. Field Supervisor:** Michael Cook

**15c. Crew:** N/A

**15d. Fieldwork Date:** December 28<sup>th</sup> and 29<sup>th</sup>, 2021

**16. SURVEY METHODS**

**16a. Transect Intervals:** 20 m apart

**16b. Coverage (%):** 100

**16c. Site Recording Criteria:** Revised Site Definition Policy, Arizona State Museum (Fish 1995)

**16d. Ground Surface Visibility:** 85%

**16e. Observed Disturbances:** An informal walking trail trends approximately north-south along the west side of a large drainage near the center of the Project Area.



**STATE HISTORIC PRESERVATION OFFICE  
SURVEY REPORT SUMMARY FORM**

9

**17. FIELD SURVEY RESULTS**

**17a. No Cultural Resources Identified:** ☐

**17b. Isolated Occurrences (IOs) Only:** ☒

**17c. Number of IOs Recorded:** 12

1. IO	2. Description	3. Date Range	4. UTM's	
			NAD 1983	
			Easting	Northing
IO-1	1 plainware body sherd; 1 red-on-brown ware body sherd	Prehistoric, Ceramic period	500446	3588690
IO-2	2 plainware body sherds	Prehistoric, Ceramic period	500454	3588673
IO-3	1 plainware body sherd	Prehistoric, Ceramic period	500544	3588696
IO-4	1 plainware body sherd	Prehistoric, Ceramic period	500550	3588638
IO-5	1 plainware body sherd	Prehistoric, Ceramic period	500569	3588658
IO-6	1 plainware body sherd	Prehistoric, Ceramic period	500562	3588706
IO-7	2 plainware body sherds	Prehistoric, Ceramic period	500578	3588719
IO-8	1 plainware body sherd	Prehistoric, Ceramic period	500666	3588643
IO-9	1 core, multidirectional, rhyolite, 5-cm-diameter	Prehistoric	500721	3588751
IO-10	1 plainware body sherd	Prehistoric, Ceramic period	500733	3588853
IO-11	5 plainware body sherds, within 10-meter-area	Prehistoric, Ceramic period	500714	3588879
IO-12	1 core, multidirectional, basalt, 6-cm-diameter	Prehistoric	500711	3588891

**18. COMMENTS:** No new or previously recorded sites, structures, buildings, or districts are present in the Project Area. The isolates documented in the Project Area do not meet the ASM definition of an archaeological site. They have been thoroughly documented, and they lack further research potential. Accordingly, the isolated cultural resources documented during this project are recommended ineligible for inclusion on the National Register of Historic Places (NRHP). MCA recommends a finding of **No Historic Properties Affected**. No further archaeological investigations are recommended.

**SECTION 19. ATTACHMENTS**

**19a.** Project location map: ☒

**19b.** Land jurisdiction map: ☒

**19c.** Background research map, previous sites and surveys: ☒

**19d.** Historical General Land Office plat map (GLO 1924): ☒

**19e.** Results of field survey: ☒


**19f.** References: ☒

**STATE HISTORIC PRESERVATION OFFICE  
SURVEY REPORT SUMMARY FORM**

10

**SECTION 20. CONSULTANT CERTIFICATION**

I certify the information provided herein has been reviewed for content and accuracy and all work meets applicable agency standards.

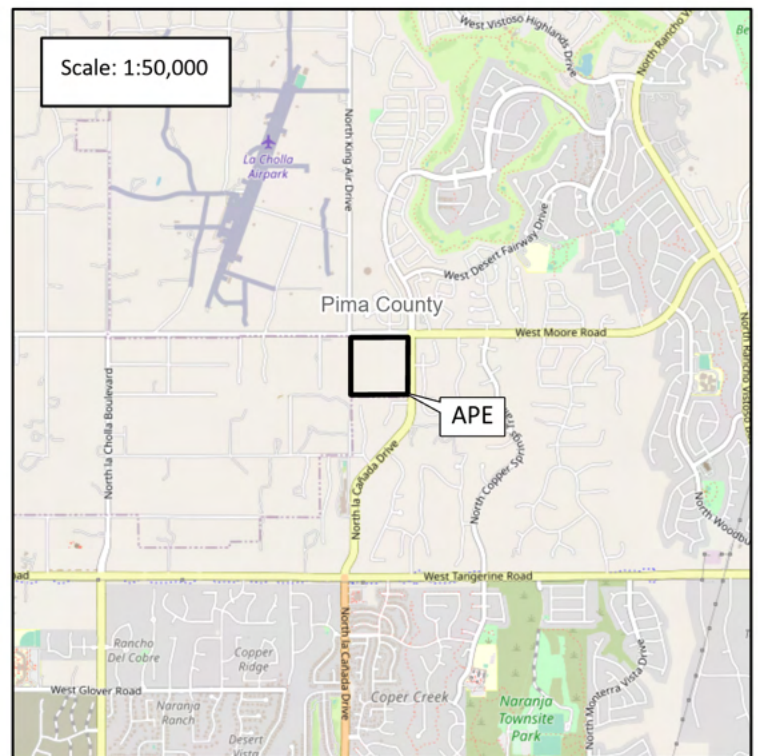
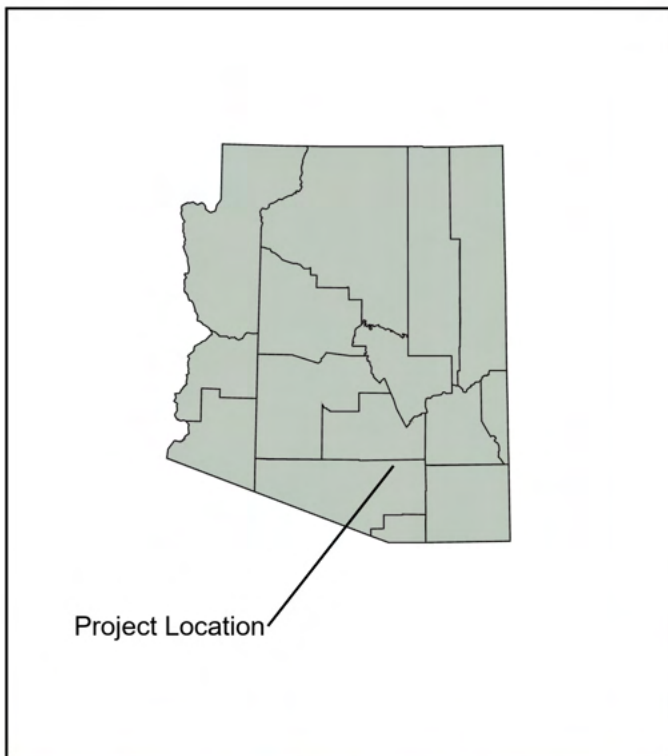
  
\_\_\_\_\_  
**Signature**

January 3, 2022  
**Date**

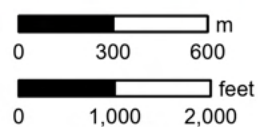
Owner, Principal Investigator  
**Title**

**SECTION 21. DISCOVERY CLAUSE**

In the event previously unreported cultural resources are encountered during ground disturbing activities, all work must immediately cease within 30 meters (100 feet) until a qualified archaeologist has documented the discovery and evaluated its eligibility for the Arizona or National Register of Historic Places in consultation with the lead agency, the SHPO, and Tribes, as appropriate. Work must not resume in this area without approval of the lead agency. If human remains are encountered during ground-disturbing activities, all work must immediately cease within 30 meters (100 feet) of the discovery and the area must be secured. The Arizona State Museum, lead agency, SHPO, and appropriate Tribes must be notified of the discovery. All discoveries will be treated in accordance with NAGPRA (Public Law 101-601; 25 U.S.C. 3001-3013) or Arizona Revised Statutes (A.R.S. § 41-844 and A.R.S. § 41-865), as appropriate, and work must not resume in this area without authorization from ASM and the lead agency.

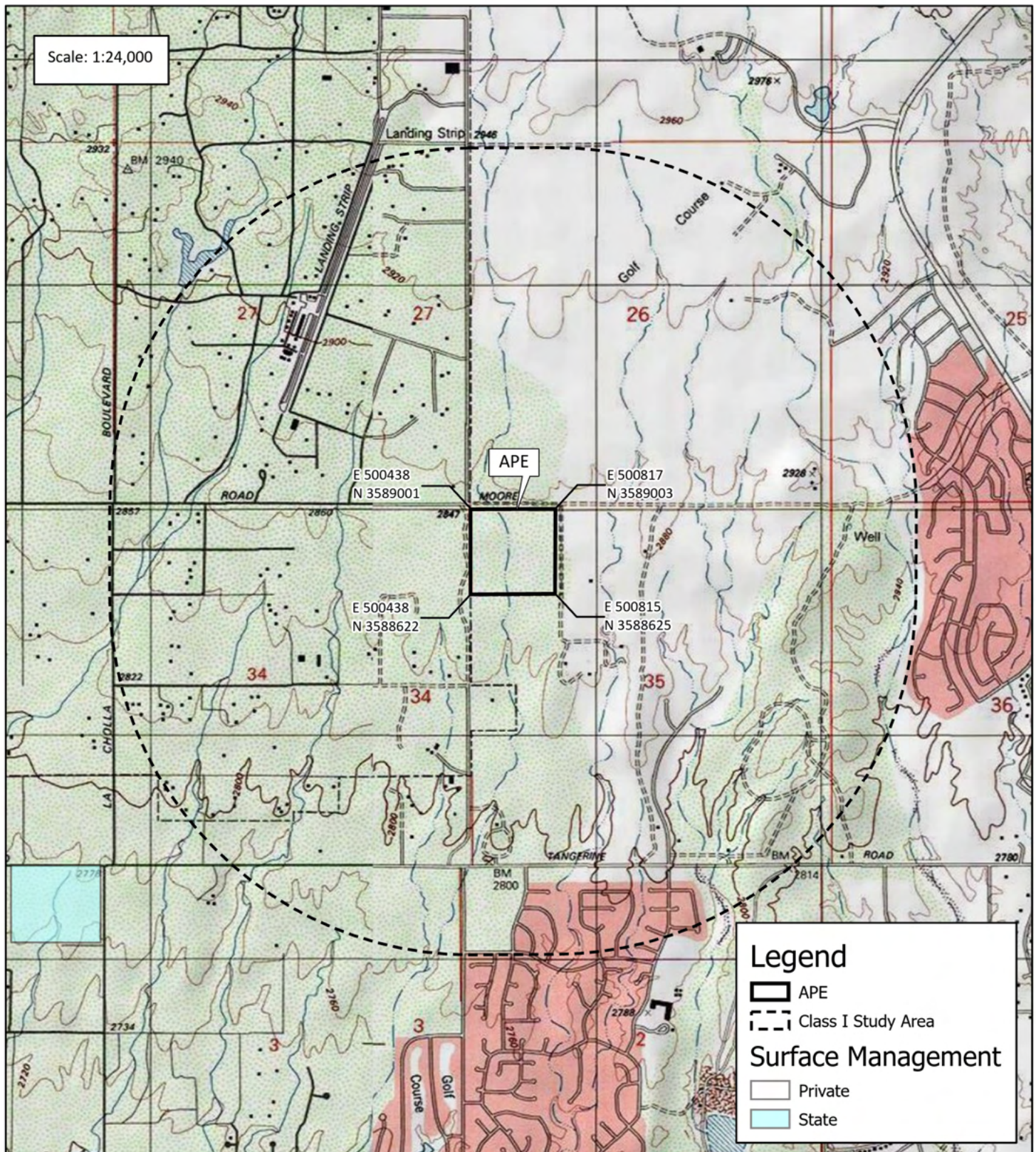


T11S, R13E, Portion of Section 35  
 Oro Valley, Arizona USGS Quadrangle  
 Pima County, Arizona  
 NAD 1983, Z12

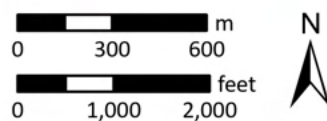


Attachment 19a. Project location map.



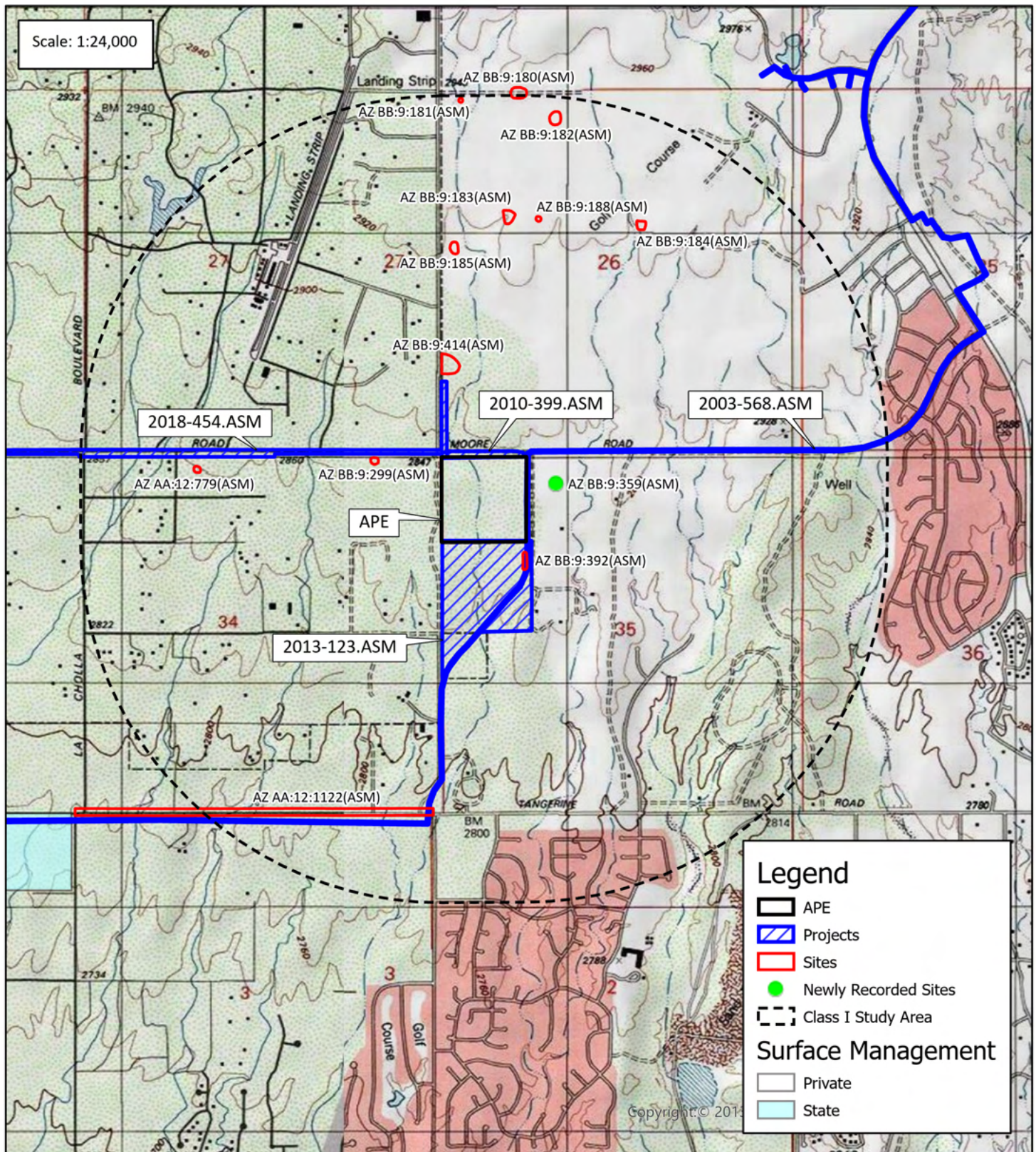


T11S, R13E, Portion of Section 35  
 Oro Valley, Arizona USGS Quadrangle  
 Pima County, Arizona  
 Surface Management: BLM 2019  
 NAD 1983, Z12

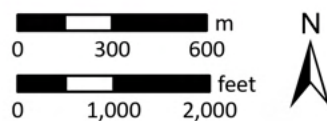


Attachment 19b. Land jurisdiction map.



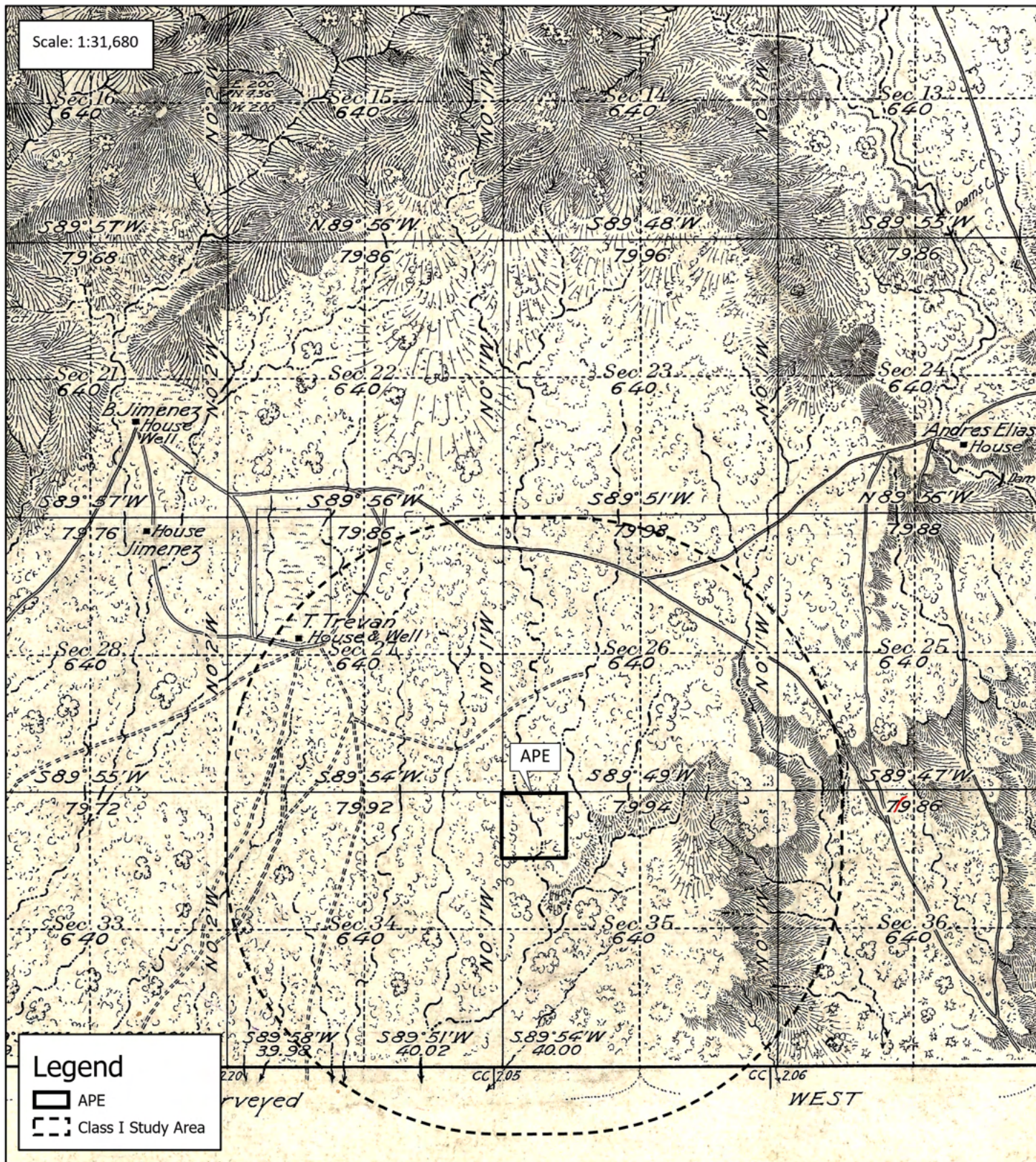


T11S, R13E, Portion of Section 35  
 Oro Valley, Arizona USGS Quadrangle  
 Pima County, Arizona  
 Surface Management: BLM 2019  
 NAD 1983, Z12

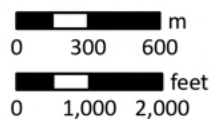


Attachment 19c. Background research map, previous sites and surveys.





GLO Plat for Township 11 South, Range 13 East  
Pima County, Arizona







**STATE HISTORIC PRESERVATION OFFICE  
SURVEY REPORT SUMMARY FORM**

**Attachment 19f. References:**

Arizona Department of Water Resources (ADWR)

2021 Registry of Wells in Arizona (Wells 55). Electronic document,  
<https://gisweb3.azwater.gov/WellReg>, accessed December 27, 2021.

Arizona Geological Survey

2021 Arizona Geological Survey Mining Data. Electronic document,  
<https://minedata.azgs.arizona.edu/>, accessed January 3, 2022.

2013 The Geologic Map of Arizona. Electronic document,  
<http://data.azgs.az.gov/geologic-map-of-arizona/>, accessed December 27, 2021.

Brown, David E.

1994 *Biotic Communities*. Southwestern United States and Northwestern Mexico, Desert Plants.  
Vol. 4., University of Utah Press, Salt Lake City.

Bureau of Land Management (BLM)

2021a General Land Office Records. Electronic document, <http://www.glorerecords.blm.gov>,  
accessed December 27, 2021.

2021b Bureau of Land Management Land Patent Records. Electronic document,  
[www.glorerecords.blm.gov](http://www.glorerecords.blm.gov), accessed December 27, 2021.

Cook, Michael D., and James Harrison

2007 *A Class III Cultural Resources Survey of 4.67 Acres for the La Canada Reservoir, Oro Valley, Pima County, Arizona : La Canada Reservoir*. Cultural Resources Report 2007-05. WestLand Resources, Inc., Tucson.

Craig, Douglas B., and Henry D. Wallace

1987 *Prehistoric Settlement in the Canada del Oro Valley, Arizona: The Rancho Vistoso Survey Project*. Anthropological Papers No. 8. Institute For American Research, Tucson.

Deaver, William

2013 *A Cultural Resources Inventory of Approximately 5 Miles of Tangerine Road, Twin Peaks Road to La Canada Drive, Pima County, Arizona*. Cultural Resources Report 2013-68. WestLand Resources, Inc., Tucson.

Ezzo, Joseph A.

2007 *Ballcourt on the Bajada : Data Recovery at Sleeping Snake Village (AZ BB:9:104[ASM]) and Los Venados (AZ BB:9:186[ASM]), Oro Valley, Arizona*. Cultural Resource Report No. 05-290. SWCA, Environmental Consultants, Inc., Tucson.

Fish, Paul

1995 *Revised Site Definition Policy*, Arizona State Museum, Tucson.



**STATE HISTORIC PRESERVATION OFFICE**  
**SURVEY REPORT SUMMARY FORM**

General Land Office (GLO)

1924 Plat for Township 11 South, Range 13 East, Gila and Salt River Baseline and Meridian, Pima County, Arizona, officially filed in 1924. On file, Bureau of Land Management, Phoenix.

Granger, A. Stanley.

2009 *A Cultural Resources Inventory of 2.5 Acres along Moore Road, Oro Valley, Pima County, Arizona*. Cultural Resources Report 2009-2. WestLand Resources, Inc., Tucson.

Mineral Resource Data System

2021 Mineral Resources Data System map interface. Electronic document, <http://mrdata.usgs.gov/mineral-resources/mrds-us.html>, accessed January 3, 2022.

National Park Service

2020 National Register of Historic Places. Public, Non-Restricted Data Depicting National Register Spatial Data Processed by the Cultural Resources GIS facility. Electronic document, <https://www.nps.gov/maps/full.html?mapId=7ad17cc9-b808-4ff8-a2f9-a99909164466>, accessed December 27, 2021.

Natural Resources Conservation Service

2021 Web Soil Survey, Soil Survey Geographic Database. Natural Resources Conservation Service, United States Department of Agriculture. Electronic document, <http://websoilsurvey.nrcs.usda.gov>, accessed January 3, 2022.

Stephen, David V. M.

2001 *Cultural Resources Survey of Kai Haber Project near Oro Valley, Pima County, Arizona*. Cultural Resource Report No. 011321. Professional Archaeological Services & Technologies, Tucson.

2004 *Cultural Resources Survey of the Kingair Road Project near Tucson, Pima County, Arizona*. Cultural Resource Report No. 041652. Professional Archaeological Services & Technologies, Tucson.

Stone, Bradford W.

2019 *Cultural Resources Inventory for the Proposed Northwest Recharge, Recovery, and Delivery System: Oro Valley Water Utility Independent Project Alignment, Pima County, Arizona*. Cultural Resources Report 2018-118. WestLand Resources, Inc., Tucson.

Swartz, Deborah L.

1995 *An Archaeological Survey Along Moore Road and La Cholla Boulevard*. Letter Report 94-1081. Desert Archaeology, Inc., Tucson.

United States Geological Survey (USGS)

2021 topoView. Electronic document, <https://ngmdb.usgs.gov/topoview/>, accessed December 27, 2021.

**STATE HISTORIC PRESERVATION OFFICE  
SURVEY REPORT SUMMARY FORM**

Wegener, Robert M.

2005 *Class III Cultural Resources Surveys of a Proposed Effluent Water Pipeline in the Canada del Oro Valley, Pima County, Arizona.* Technical Report No. 03-48. Statistical Research, Inc., Tucson.