

**A Class III Cultural Resources Survey of 40 Acres near 94<sup>th</sup> Street and Bell Road, Scottsdale, Maricopa County, Arizona**

**Prepared for:**

Kimley-Horn  
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December 2022 (Revised April 21, 2023)

Submittal 2

Logan Simpson Technical Report No. 225474a

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

**1. REPORT TITLE**

**1a. Report Title:** A Class III Cultural Resources Survey of 40 Acres near 94th Street and Bell Road, Scottsdale, Maricopa County, Arizona

**1b. Report Author(s):** Jenni Rich, M.A., RPA

**1c. Date:** December 1, 2022 (Revised April 21, 2023)

**1d. Report No.:** 225474a

**2. PROJECT REGISTRATION/PERMITS**

**2a. ASM Accession Number:** 2022-479

**2b. AAA Permit Number:** 2022-054bl

**2c. ASLD Lease Application Number(s):** N/A

**2d. Other Permit Number(s):** N/A

**3. ORGANIZATION/CONSULTING FIRM**

**3a. Name:** Logan Simpson

**3b. Internal Project Number:** 225474

**3c. Internal Project Name:** 94<sup>th</sup> Street and Bell Road Residential Development

**3d. Contact Name:** Craig Fertelmes, Ph.D., RPA

**3e. Contact Address:** 51 W. Third St., Suite 450, Tempe, AZ 85281

**3f. Contact Phone:** 480.967.1343

**3g. Contact Email:** cfertelmes@logansimpson.com

**4. SPONSOR/LEAD AGENCY**

**4a. Sponsor:** AG Leaf

**4b. Lead Agency:** U.S. Army Corps of Engineers (Corps)

**4c. Agency Project Number(s):** N/A

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

**4e. Funding Source(s):** Private

**4f. Other Involved Agencies:** Arizona State Museum and City of Scottsdale

**4g. Applicable Regulations:** Section 404 of the Clean Water Act (33 U.S.C. § 1344); Section 106 (54 USC § 306108) of the National Historic Preservation Act (NHPA; 54 USC § 300101 *et seq.*) and its implementing regulations (36 CFR Part 800); Arizona Antiquities Act (AAA) (A.R.S. § 15-1631 and § 41-841 *et seq.*); the Arizona state law regarding the treatment of human remains and funerary objects encountered on private land (ARS § 41-865); and the City of Scottsdale (COS) Historic Property Ordinance (COS Revised Code, Chapter 46, Article VI).

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**5. DESCRIPTION OF UNDERTAKING:** AG Leaf, LLC is proposing residential development of a 40-acre parcel composed of private land (APN 215-07-023E) and City of Scottsdale (COS)-owned right-of-way (ROW) (APN 2015-07-023F) located at the northeast corner of 94<sup>th</sup> Street and Bell Road in Scottsdale, Maricopa County, Arizona (Figure 1–Figure 5). The development is expected to be subject to a U.S. Army Corps of Engineers (Corps) decision under Section 404 of the Clean Water Act (33 U.S.C. § 1344), which would make the project a federal undertaking subject to compliance with Section 106 (54 USC § 306108) of the National Historic Preservation Act (NHPA; 54 USC § 300101 *et seq.*) and its implementing regulations (36 CFR Part 800). The involvement of private- and COS-owned land makes the undertaking also subject to compliance with the Arizona Antiquities Act (AAA) (A.R.S. § 15-1631 and § 41-841 *et seq.*), the COS Historic Property Ordinance (COS Revised Code, Chapter 46, Article VI), and the Arizona state law regarding the treatment of human remains and funerary objects encountered on private land (ARS § 41-865). At the request of Kimley-Horn, Logan Simpson conducted a Class III cultural resources survey to identify and evaluate National Register of Historic Places (NRHP)- and Arizona Register of Historic Places (ARHP)-eligible properties that could be affected by any ground-disturbing construction within the subject property.

**6. AREA OF POTENTIAL EFFECTS:** The APE is a 40-acre parcel located at the northeast corner of 94<sup>th</sup> Street and Bell Road in Scottsdale, Maricopa County, Arizona. The parcel is a square-shaped polygon measuring approximately 1,315 ft north-south by 1,350 ft east-west. It encompasses relatively undisturbed natural environment with minor disturbances from 94<sup>th</sup> Street and Bell Road on the western and southern boundaries of the APE and off-road recreational traffic within the APE (Figure 3–Figure 5).

**7. PROJECT LOCATION**

**7a. Address:** N/A

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

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

**7d. Nearest City/Town:** Scottsdale **7e. County:** Maricopa

**7f. Project Locator UTM:** 3722804 Easting 418744 Northing **7g. NAD 83** **7h. Zone:** 12

**7i. Baseline & Meridian:** **7j. USGS Quadrangle(s):** Curry’s Corner, Ariz. and McDowell Peak, Ariz.

**7k. Legal Description(s):** SE ¼ of Section 31, Township 4 North, Range 5 East

**8. SURVEY AREA**

**8a. Total Acres:** 40

**8b. Survey Area.**

1. Land Jurisdiction	2. Total Acres Surveyed	3. Total Acres Not Surveyed	4. Justification for Areas Not Surveyed
Private	37.11	0	N/A
City of Scottsdale	0.51	2.38	Paved roads and built-up median

**9. ENVIRONMENTAL CONTEXTS**

**9a. Landform:** The APE is located in the Phoenix Basin and within the Sonoran Desert section of the Basin and Range physiographic province. It is situated on a Holocene alluvial fan. The western slopes and

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pedmont of the McDowell Mountains are approximately 2 miles east of the APE and the Salt River is located approximately 11 miles to the south.

**9b. Elevation:** 478.51 m (1,569.9 ft) amsl

**9c. Surrounding Topographic Features:** McDowell Mountains

**9d. Nearest Drainage:** Salt River

**9e. Local Geology:** The APE consists of surficial deposits of sand, gravel, and conglomerate (Wilson et al. 1957).

**9f. Vegetation:** Arizona Upland Subdivision-Sonoran Desert Scrub, characterized by moderate sized paloverde, ironwood, mesquite, cat-claw, and a variety of cacti (Figure 4) (Turner and Brown 1994:181-221).

**9g. Soils/Deposition:** Momoli gravelly sandy loam with 1 to 5 percent slopes (United States Department of Agriculture 2022).

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

**9i. Justification:** No significant cultural remains were identified in the APE, nor were darker, potentially culturally stained soils observed.

**10. BUILT ENVIRONMENT:** The APE occurs in an undeveloped parcel that is surrounded by a recently developed park to the west, residential developments to the north, south, and east, and commercial development to the southwest. A review of historic United State Geological Survey (USGS) topographic quadrangles (Currys Corner 1964, 1973; McDowell Peak 1965) shows a dirt road following the current alignment of Bell Road (Figure 8). The road also appears in the USGS Currys Corner and McDowell Peak 1971 aerial imagery (Figure 9). Per SHPO guidance regarding the recording of in-use historic structures, Bell Road falls under the exemption for municipal or county arterial roads.

**11. INVENTORY CLASS COMPLETED**

**11a. Class I Inventory:**

**11b. Researcher(s):**

**11c. Class II Survey:**

**11d Sampling Strategy:**

**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. GLO Maps:** Township 4N, Range 5 E (1921, surveyed 1919) (Figure 7)

**12g. Land- Managing Agency Files:** City of Scottsdale Historic Preservation Office



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

**12i. Local Government Websites:** City of Scottsdale Historic Register

**12j. Other:** Historic USGS topographic quadrangles: Currys Corner 1964, 1973; McDowell Peak 1965 (Figure 8); USGS historic aerial imagery for Currys Corner (1971) and McDowell Peak (1971) (Figure 9); *Broken Down Cowboys: A Summary of Ranching in North Scottsdale and the McDowell Sonoran Preserve, Maricopa County, Arizona 1915–1970* (Jones 2012); *Archaeological Testing for AZ T:8:58, T:8:61, Data Recovery for AZ U:5:34(ASM), and Archival Documentation for the Rio Verde Canal AZ T:8:65(ASM) Located in the Pima Freeway Project, Beardsley Alignment* (Adams et al. 1996); historic aerials (Netronline 2022); and current and historical aerial photography (Flood Control District of Maricopa County 2022)

**13. BACKGROUND RESEARCH RESULTS**

**13a. Previous Projects Within APE.<sup>1</sup>**

1. Project Reference Number	2. Project Name	3. Reference
1986-46.ASM	Johnes Development Survey (3)	(Myers 1986)
1995-297.ASM	DC Ranch/DMB Survey (155-163)	(Owens 1995)
2004-634.ASM	80ac at 94 <sup>th</sup> Street and Bell	(North et al. 2004)
2008-746.ASM	DC Ranch Data Recovery Project	(Leonard et al. 1999)

<sup>1</sup> Following current interim reporting standards approved by the Arizona State Historic Preservation Office [SHPO] and Arizona State Museum [ASM] on June 12, 2019.

**13b. Previously Recorded Cultural Resources Within Study Area.**

1. Site Number/Name	2. Affiliation	3. Site Type	4. Eligibility Status	5. Associated Reference(s)
AZ U:5:14(ASM)	Euro-American	Two rectangular foundations	Unevaluated; AZSITE #69918	(Kemrer et al. 1972)
AZ U:5:28(ASM) AZ U:5:8(REC)	Prehistoric	Ceramic scatters	Unknown; AZSITE #65823	(Ritz 1988)
AZ U:5:30(ASM)	Prehistoric	Rock piles and associated artifact scatter	Determined eligible (unknown Criterion); AZSITE #65824	(Mitchell 2002)
AZ U:5:100(ASM)	Unknown	Partial rock ring	Unevaluated; AZSITE #13230	(RECON Consultants 1993)
AZ U:5:154(ASM)	Prehistoric	Rock art on two small boulders	Unevaluated; AZSITE #13237	(Foster 1995)
AZ U:5:156(ASM)	Prehistoric	Rock features and associated artifact scatter	Unevaluated; AZSITE #13252	(Owens 1995)
AZ U:5:157(ASM)	Prehistoric	Rock features and Associated artifact scatter	Unevaluated; AZSITE #13258	(Owens 1995)
AZ U:5:266(ASM)	Prehistoric	Artifact scatter	Recommended eligible (Criterion D); AZSITE #78263	(Schroeder 2000)

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1. Site Number/Name	2. Affiliation	3. Site Type	4. Eligibility Status	5. Associated Reference(s)
AZ U:5:273(ASM)	Euro-American	Concrete foundations and associated trash scatter	Recommended not eligible; AZSITE #82910	(Webb 2001)
AZ U:5:275(ASM)	Euro-American	Trash scatter	Recommended not eligible; AZSITE #100436	(Shaw 2002)
AZ T:8:65(ASM)	Euro-American	Rio Verde Canal	Unevaluated; AZSITE #15766	(Webb 2001)
IHCRS90-10	No data available	No data available	No data available	No data available

**13c. Historic Buildings/Districts/Neighborhoods.<sup>1</sup>**

1. Property Name or Address	2. Year	3. Eligibility Status
N/A		

**14. CULTURAL CONTEXTS**

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

**14b. Protohistoric Culture:** O’odham and Yavapai

**14c. Indigenous Historic Culture:** O’odham and Yavapai

**14d. Euro-American Culture:** Irrigation in Paradise Valley: The Failed Venture of the Rio Verde Canal Company (1889–1934); Ranching in North Scottsdale and McDowell Sonoran Preserve (ca. 1915–1970); and Postwar Expansion of the Salt River Valley (1946–1975)

**15. FIELD SURVEY PERSONNEL**

**15a. Principal Investigator:** Craig Fertelmes

**15b. Field Supervisor:** Jenni Rich

**15c. Crew:** David Bustoz and Zach Cooper

**15d. Fieldwork Date(s):** October 27, 2022 and November 18, 2022

**16. SURVEY METHODS**

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

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

**16c. Site Recording Criteria:** Arizona State Museum (ASM)

**16d. Ground Surface Visibility:** 50-100% (some area had dense vegetation)

**16e. Observed Disturbances:** Disturbances observed within the APE include recreation vehicle roads/trails and modern trash.

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**17. FIELD SURVEY RESULTS**

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

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

**17c. Number of IOs Recorded:** 1

**17d. Table of IOs.**

1. IO Number	2. Description	3. Date Range	4. UTM's
1	Igneous rock pile with 10 rocks, 15-30-cm in diameter	Unknown	3722862N 418690E

**18. COMMENTS:** Prior to the Class III cultural resources survey, Logan Simpson completed a background records search and literature review of the APE and a surrounding 1-mile-wide study area (Figure 6). Sixty-four previous archaeological investigations have occurred within the study area, four of which (Leonard et al. 1999; Myers 1986; North et al. 2004; Owens 1995) include portions of the current APE. Twelve archaeological sites are present within the study area, including four prehistoric rock feature sites, two historic foundations sites, two prehistoric artifact scatters, one historic trash scatter, one prehistoric rock art site, one abandoned segment of Rio Verde Canal, and one unknown site (IHCRS90-10). None of the previously recorded sites intersect or abut the current APE.

A review of historic General Land Office (GLO) and USGS topographic quadrangles was conducted during the background records search. The GLO map for Township 4N, Range 5E (1921, surveyed 1919) shows a north-south aligned road that runs through the APE (Figure 7). The Currys Corner (1964) and McDowell Peak (1965) USGS topographic maps show a dirt road following the current alignment of Bell Road (Figure 8). The road also appears in the USGS Currys Corner and McDowell Peak 1971 aerial imagery (Figure 9). Per SHPO guidance regarding the recording of in-use historic structures, Bell Road falls under the exemption for municipal or county arterial roads.

Logan Simpson's conducted a Class III cultural resources survey of 40 acres of private- and municipal-owned lands within the City of Scottsdale, Maricopa County in support of proposed residential development. Although the APE is disturbed by modern recreational off-road traffic, no evidence of the 1919 GLO road alignment was observed during the survey. The survey identified one isolated occurrence, which consisted of one rock pile of unknown date (Figure 10 and Figure 11). Given the location of the rock pile close to modern rip rap materials and its lack of depth, it is likely the pile is modern. The isolated occurrence does not meet ASM site criteria and is not considered significant. Mapping and field recording have exhausted its information potential; no further work is recommended for this resource. Based on the results of this survey and background research, Logan Simpson recommends a finding of *No Historic Properties Affected* for the proposed undertaking. No further cultural resource work is recommended to fulfil the identification and assessment requirements of the Section 106 process.

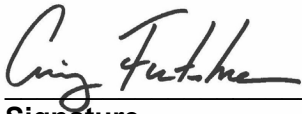
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**SECTION 19. ATTACHMENTS**

- 19a. Project Location Map:   
19b. Land Jurisdiction Map:   
19c. Background Research Map(s):   
19d. GLO Map(s):   
19e. References:

**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**

Principal Investigator

\_\_\_\_\_  
**Title**

**SECTION 21. DISCOVERY CLAUSE**

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In the event that 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 Corps, 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, Corps, 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.

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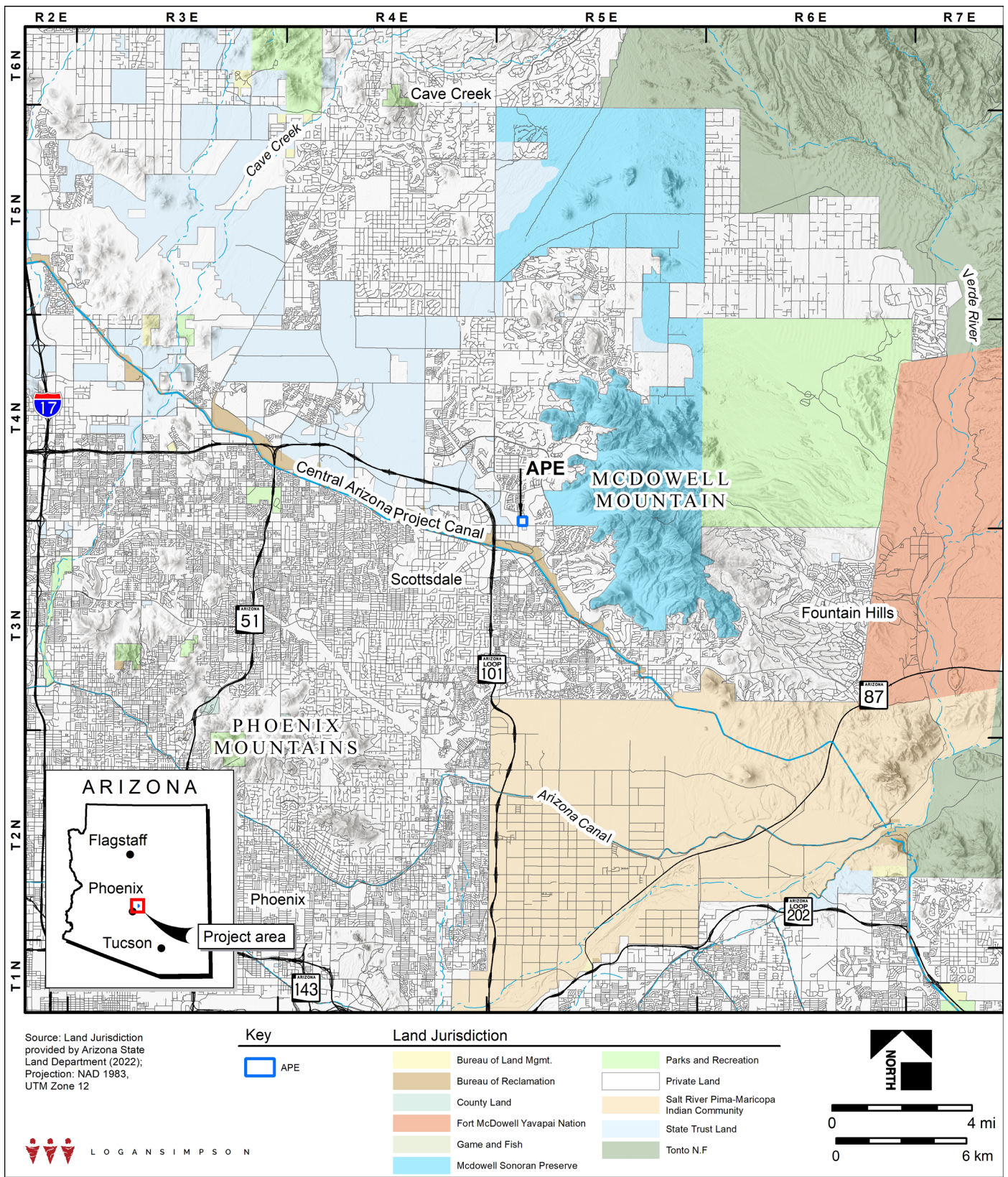


Figure 1. Location of APE and land jurisdiction.



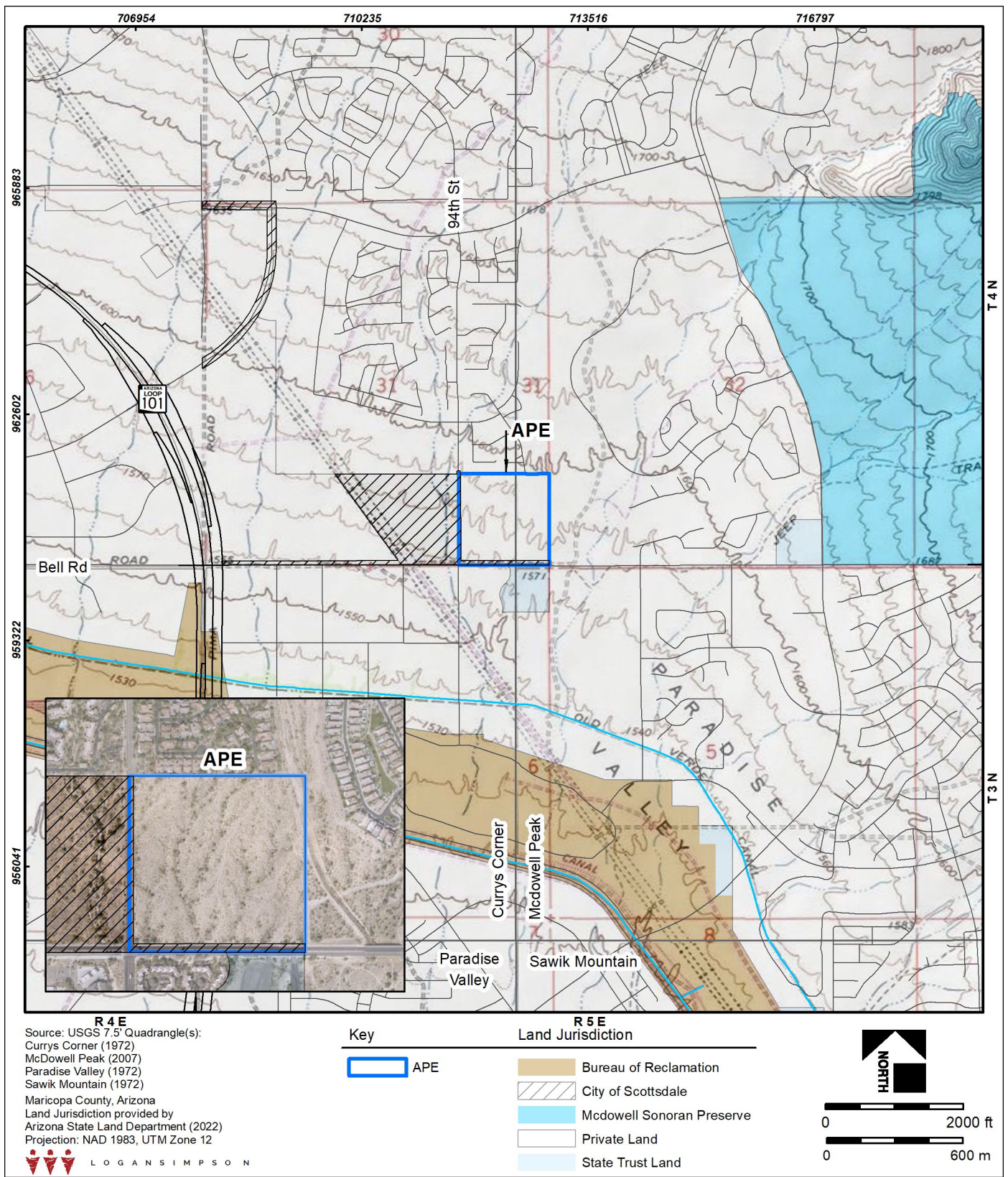


Figure 2. Location of APE and land jurisdiction.



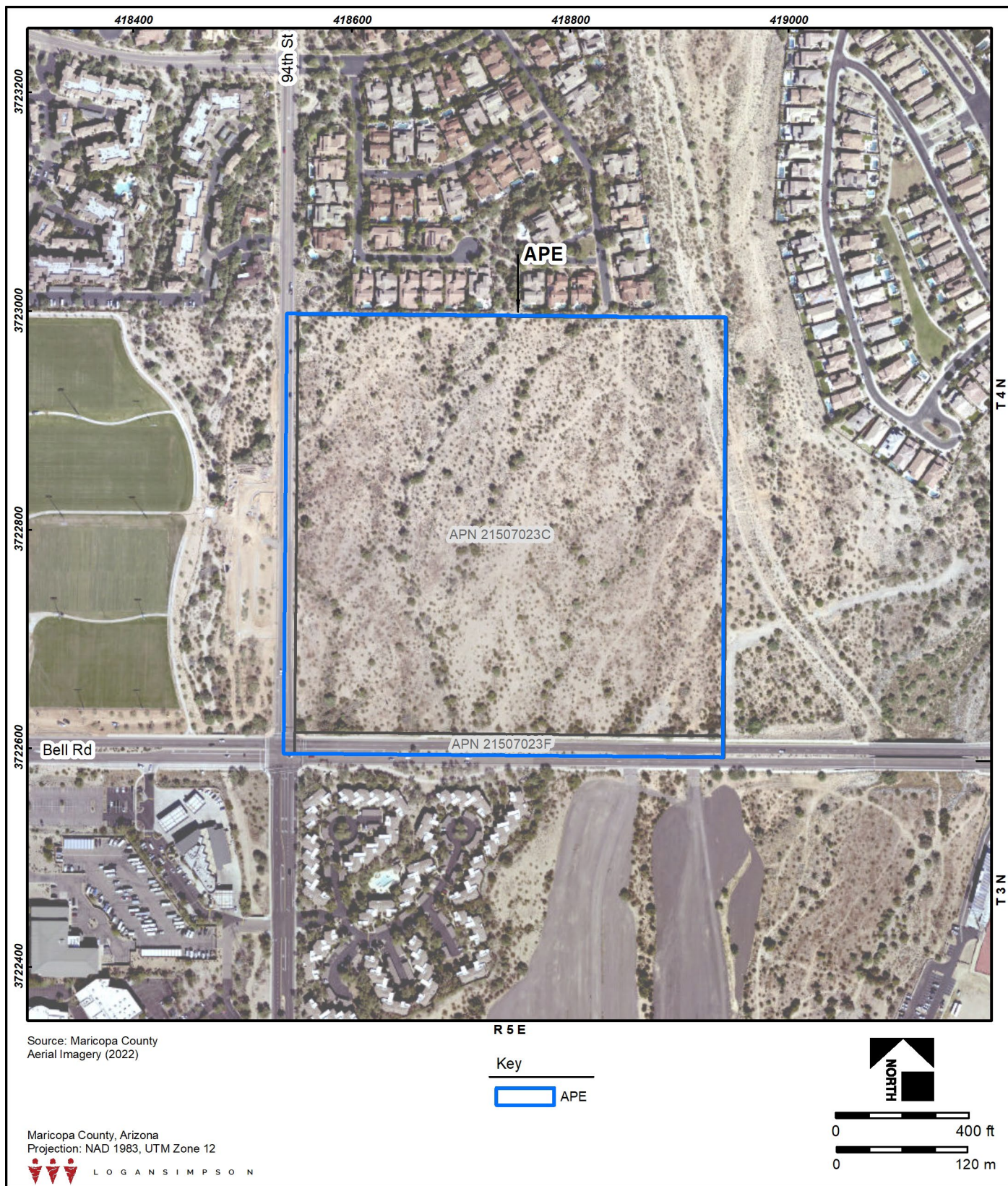


Figure 3. Contemporary aerial of the APE.





Figure 4. Overview of APE, facing northeast.



Figure 5. Overview of APE, facing west.



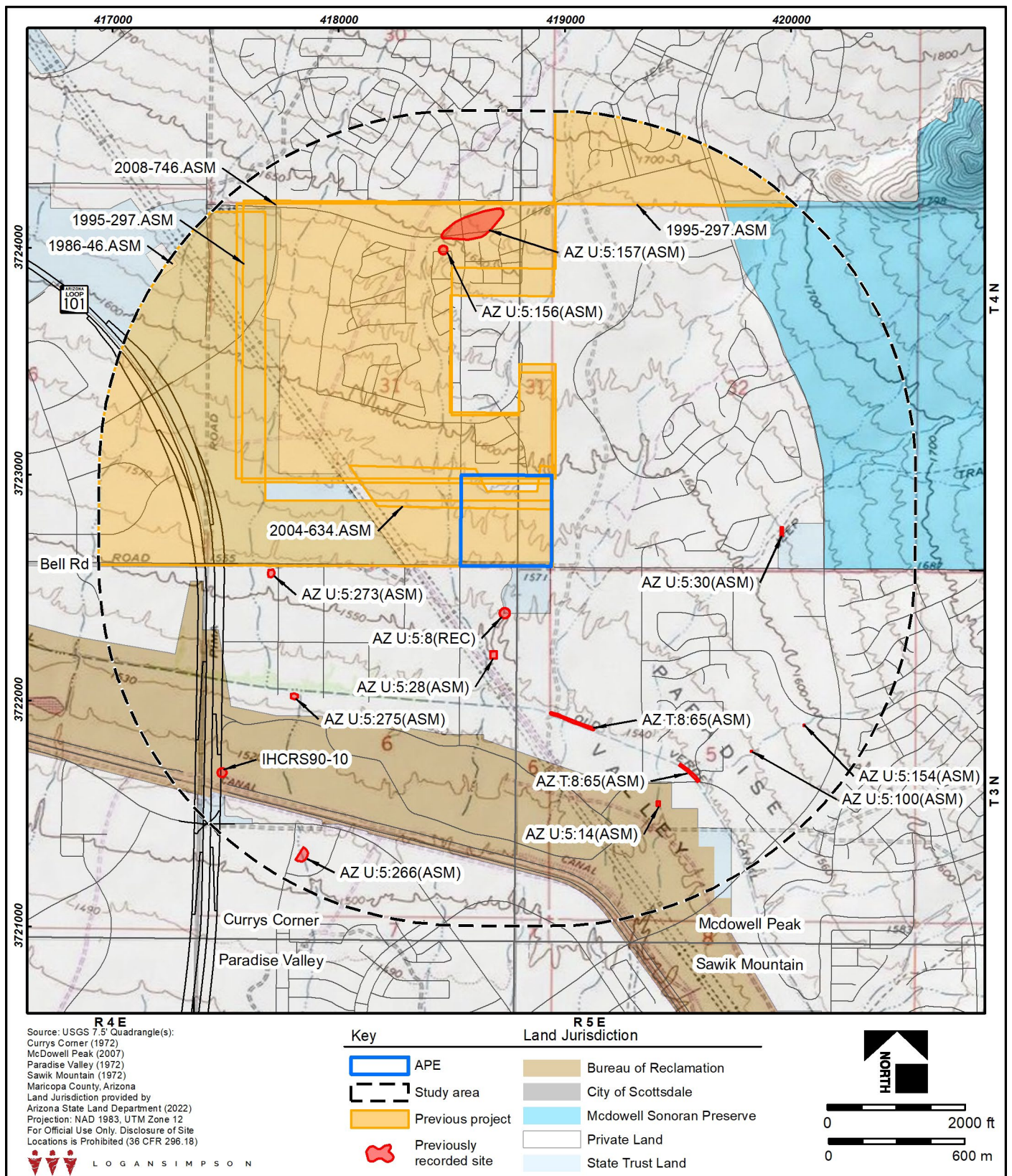


Figure 6. Previously recorded sites and projects within 1 mile of APE.



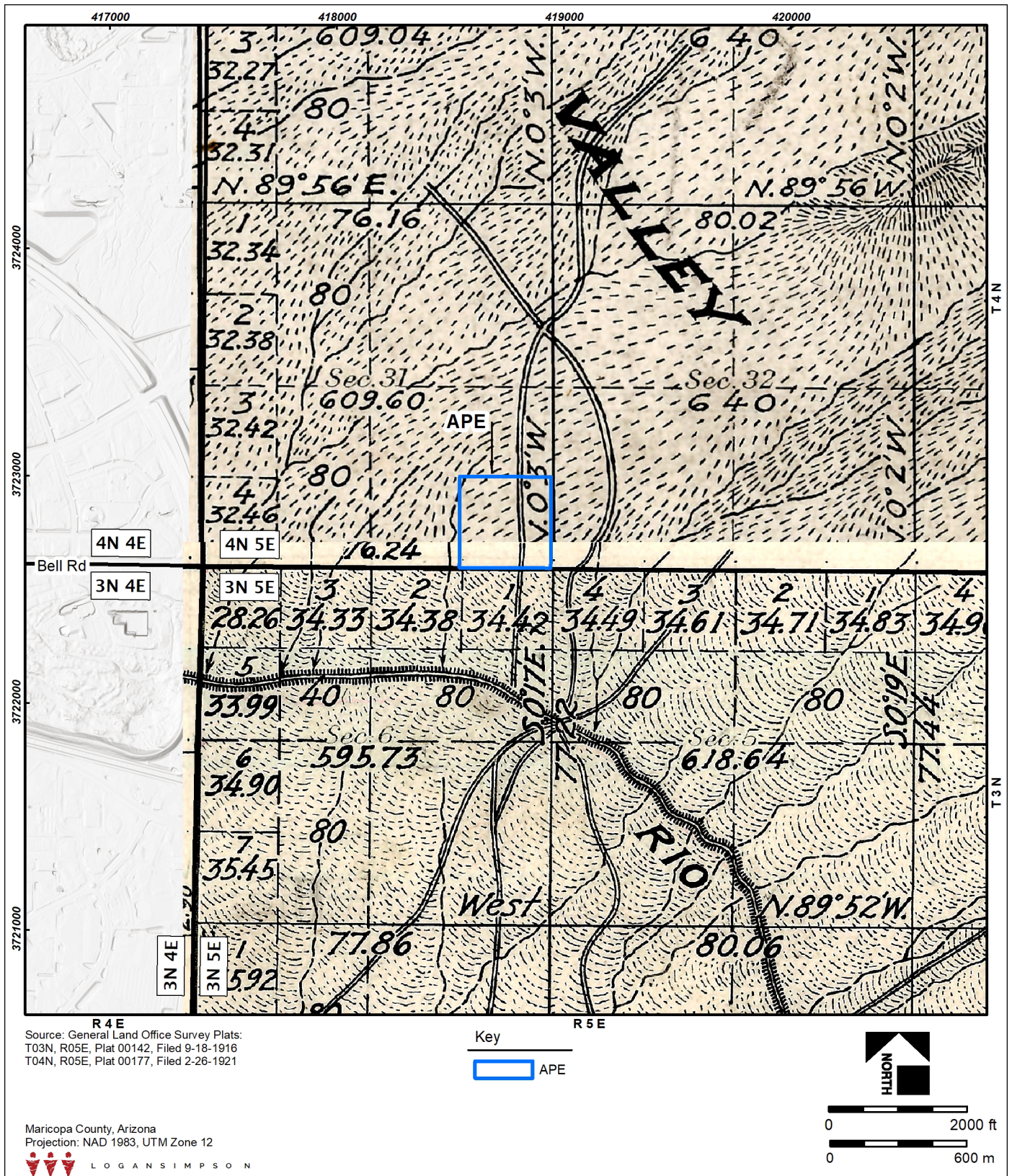


Figure 7. APE location within a GLO map of Township 4N, Range 5 E (1921, surveyed 1919).



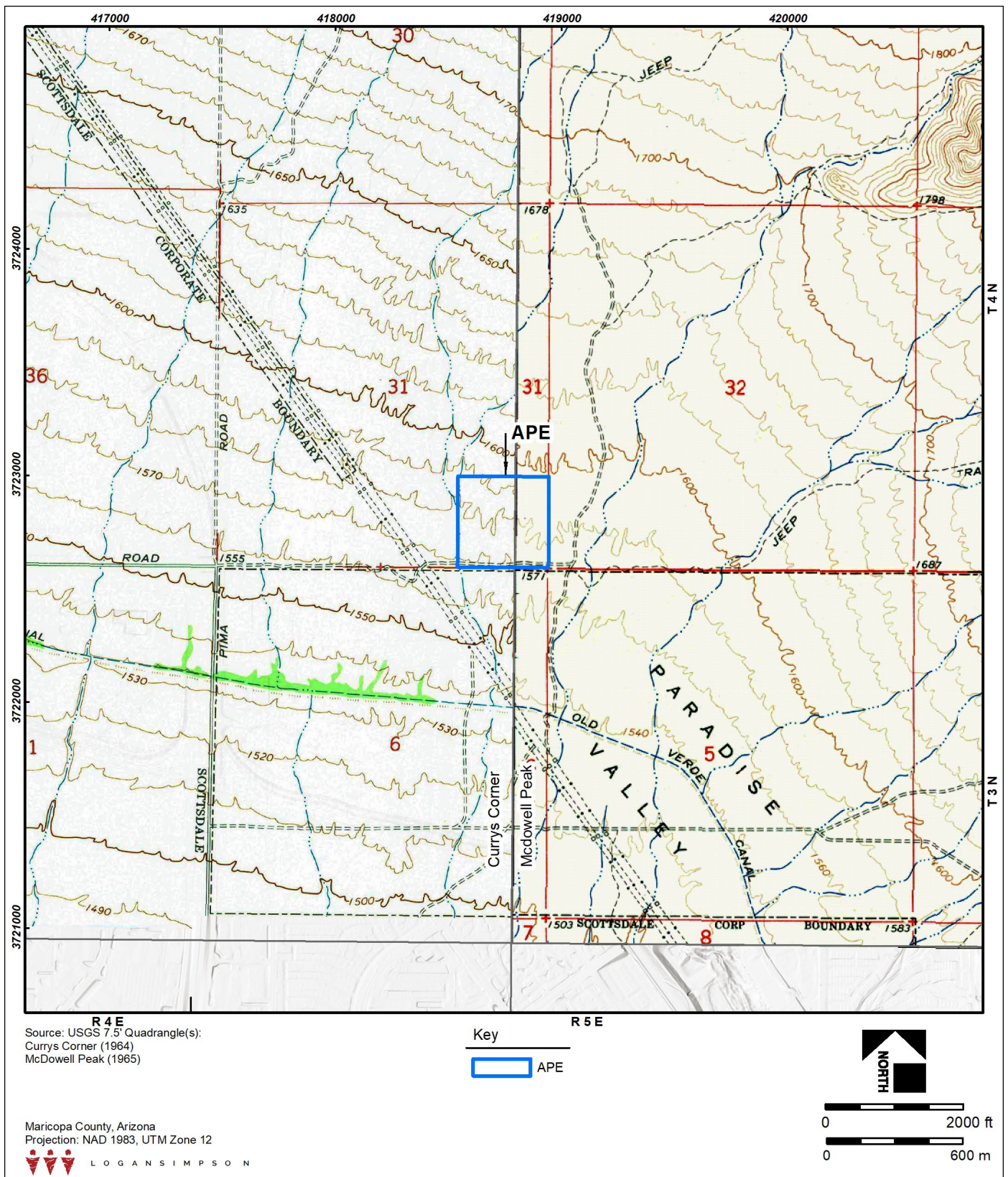


Figure 8. APE location within Curry's Corner (1964) and McDowell Peak (1965) historic USGS topographic quadrangle map.



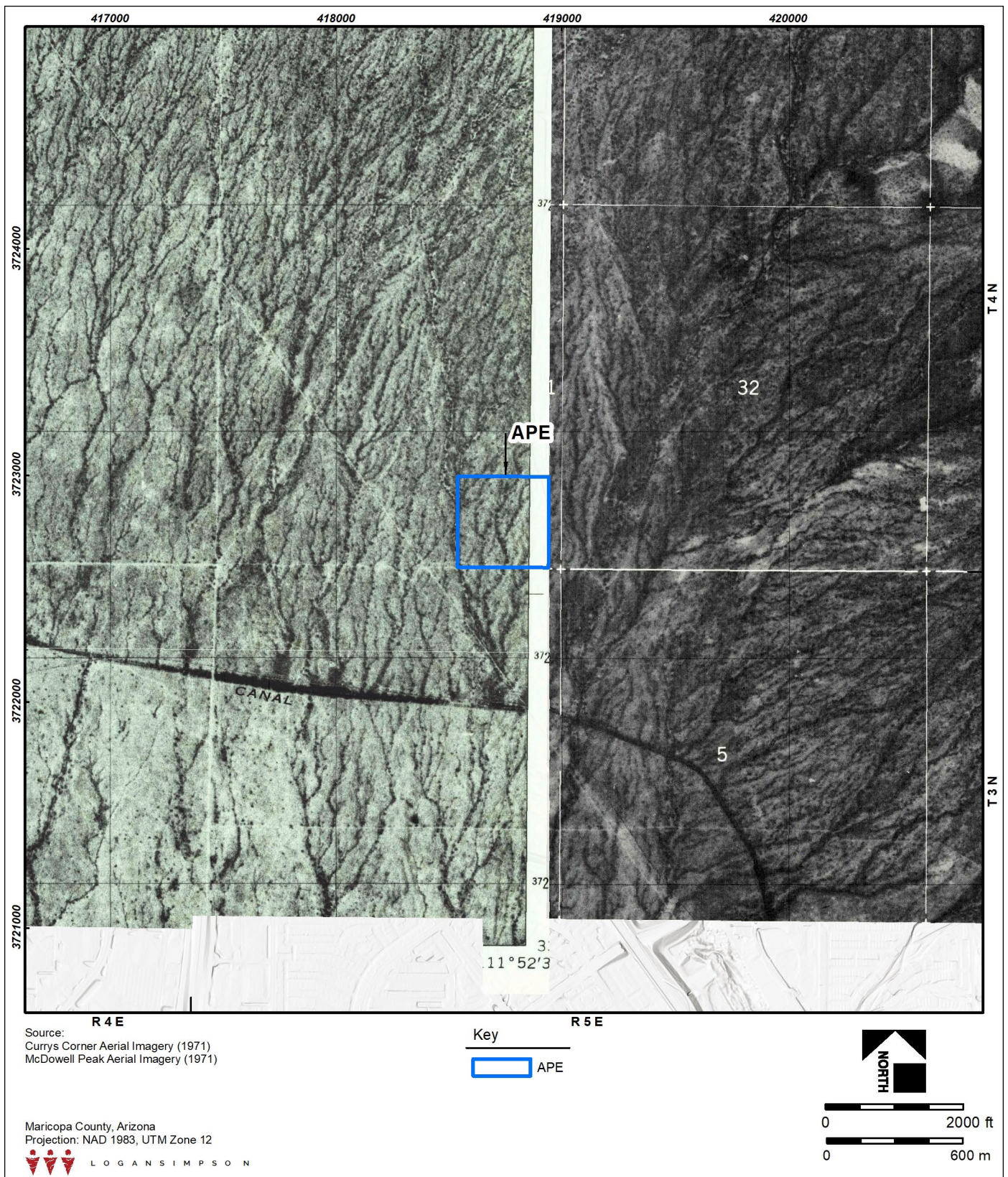


Figure 9. APE location within Currys Corner (1971) and McDowell Peak (1971) historic aerial imagery.



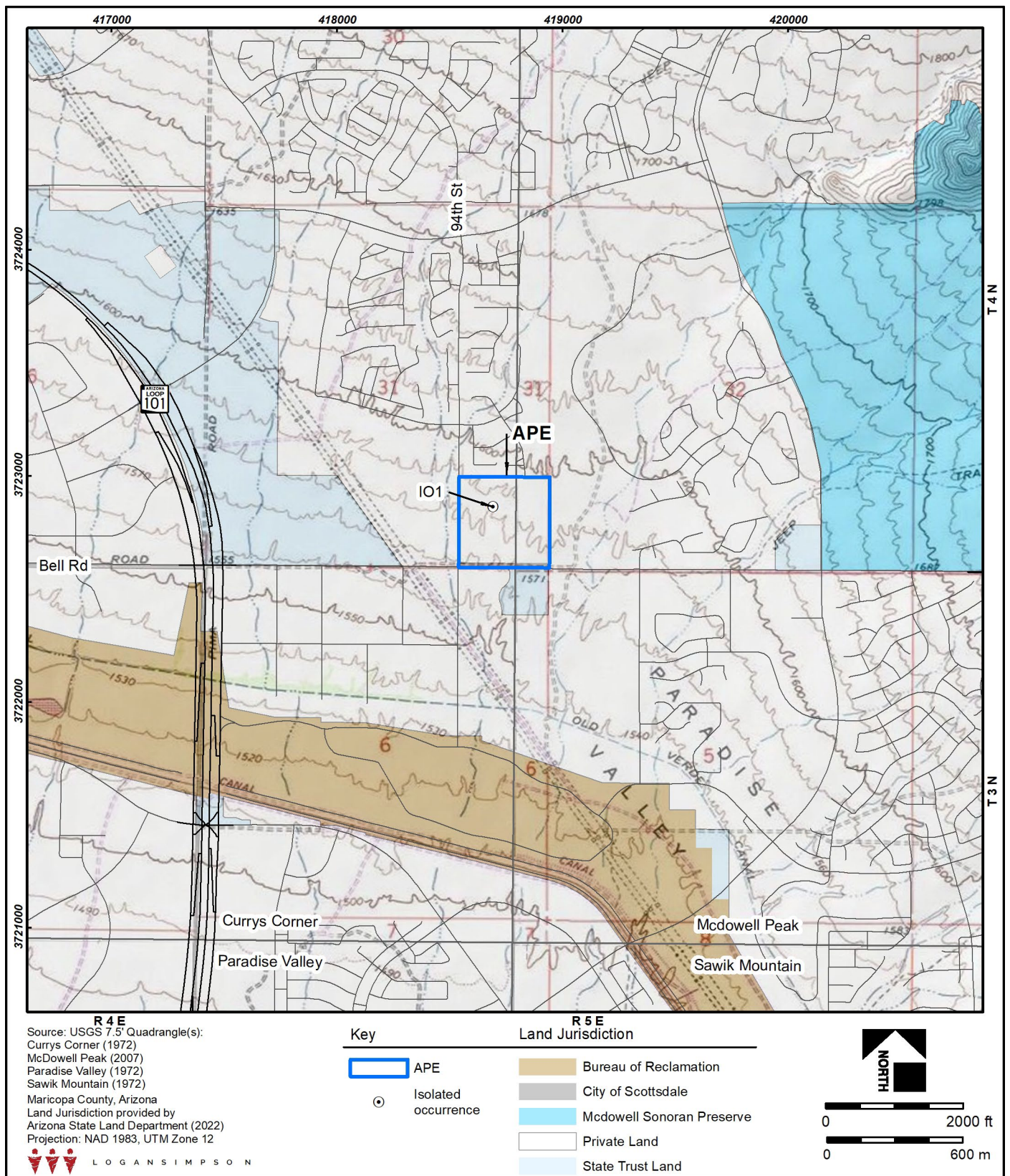


Figure 10. Isolated occurrence documented in the APE.





Figure 11. Overview of IO1, an igneous rock pile, facing east, southeast.

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