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Flagstaff, Arizona 86001
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June 7, 2021

Mark Reavis
City of Flagstaff
211 W. Aspen Avenue
Flagstaff, Arizona 86001
email: mark.reavis@flagstaffaz.gov

Re: Letter Report for Site Visit to Parcels 301-50-005G and 113-17-011A in Flagstaff, Arizona

Hello Mark,

This letter report summarizes findings from a site visit to two contiguous parcels of private land (APNs 301-50-005G [10.06 acres] and 113-17-011A [2.15 acres]) in and adjacent to the City of Flagstaff, Arizona on November 18, 2021. This site visit was conducted prior to development on the land for a rehabilitation center.

No archaeological sites or historical buildings were observed in the project area. Two isolated occurrences were located during the survey (IO01, IO02). Isolates are not eligible for inclusion in the National Register of Historic Places and require no further action or management. Cornerstone recommends that the proposed project be allowed to proceed with no further archaeological work. Due to some potential for subsurface/unobserved artifacts at IO02, Cornerstone recommends a 30-meter diameter area around the IO be avoided by any ground-disturbing activity.

If you have any questions regarding this letter report, please contact me at (928) 522-4148, ext. 5, or by email at JTreichler@Cornerstone-Environmental.com.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Treichler", written in a cursive style.

Jack W. Treichler
Cultural Resources Project Manager

Site Visit to Parcels 301-50-005G and 113-17-011A in Flagstaff, Arizona

Prepared for

Paul D. Bustamante Architect

Prepared by



NOT FOR DISTRIBUTION OR REPRODUCTION

Federal and state agencies have legal responsibilities to safeguard locational information about cultural resources and must restrict access to cultural site locations depicted in this report and other information about cultural resources per Arizona Revised Statute §39-125, the National Historic Preservation Act, Title III, §304, and the Archaeological Resource Protection Act (16USC470aa et seq.).

June 2021

1. REPORT TITLE

1a. Report Title: Site Visit to Parcels 301-50-005G and 113-17-011A in Flagstaff, Arizona

1b. Report Author(s): Jack Treichler

1c. Date: June 7, 2021

1d. Report Number: CEC 21-128

2. PROJECT REGISTRATION/PERMITS

2a. ASM Accession Number: NA

2b. AAA Permit No.: 2021-008b1

2c. ASLD Lease Application Number(s): NA

2d. Other Permit Number(s): NA

3. ORGANIZATION/CONSULTING FIRM

3a. Name: Cornerstone Environmental Consulting, LLC (Cornerstone; CEC)

3b. Internal Project Number: CEC 21-128

3c. Internal Project Name: America's Rehab Center Site Visit

3d. Contact Name: Josh Edwards

3e. Contact Address: 320 N. Leroux Street, Suite A, Flagstaff, Arizona 86001

3f. Contact Phone: (928) 522-4148

3g. Contact Email: Josh@Cornerstone-Environmental.com

4. SPONSOR/LEAD AGENCY

4a. Sponsor: Paul D. Bustamante Architect (Bustamante; Client)

4b. Lead Agency: City of Flagstaff

4c. Agency Project Number(s): NA

4d. Agency Project Name: NA

4e. Funding Source(s): Private

4f. Other Involved Agencies: Arizona State Historic Preservation Office

4g. Applicable Regulations: Since the proposed undertaking is partly within the city limits of Flagstaff, the project is subject to the Flagstaff Zoning Code, Section 10-30.30.050, regarding historic properties and cultural resources. Pursuant to Section 10-30.30.050.A.3.c.1 (Letter Reports) of the Flagstaff Zoning Code, a Letter Report is considered the appropriate level of study if site conditions, archival records, or

previous research suggest that cultural resources are not likely present, the integrity of a cultural resource is already severely compromised, or the proposed work will not compromise the integrity of the cultural resource, or when no mitigation measures are warranted. Therefore, the project must undergo a Class III archaeological survey to identify, document, and evaluate cultural resources that could be affected by the proposed undertaking. This report was prepared per guidelines specified by the Arizona State Historic Preservation Office (AZSHPO 2009, 2016).

5. DESCRIPTION OF PROJECT OR UNDERTAKING

Cornerstone was contracted by the Client to conduct a pedestrian archaeological survey (site visit) of two contiguous parcels of private land (APNs 301-50-005G [10.06 acres] and 113-17-011A [2.15 acres]) in and adjacent to the City of Flagstaff, Arizona. This work is being performed prior to development of a rehabilitation center on the lot and will assist in complying with the City of Flagstaff's (City) zoning codes (10-30.30.050) regarding historic properties and cultural resources.

6. PROJECT AREA/AREA OF POTENTIAL EFFECTS

The survey area consists of two contiguous parcels: APN 113-17-011A is 2.15 acres and within the City of Flagstaff and is in Township 21N, Range 8E, Section 5, and APN 301-50-005G is 10.06 acres and just outside City limits and is in Township 22N, Range 8E, Section 32, for a total project area of 12.21 acres, as described by the Client and as shown in Figures 1 through 3.

7. PROJECT LOCATION

7a. Address: 7000 North Highway 89, Flagstaff, AZ 86004

7b. Route: NA

7c. Milepost Limits: NA

7d. Nearest City/Town: Flagstaff

7e. County: Coconino

7f. Project Locator UTM: 448277 m E; 3899843 m N

7g. Datum: NAD83

7h. Zone: 12 N

7i. Baseline & Meridian: Gila & Salt River

7j. USGS Quadrangle(s): Flagstaff East (1983)

7k. Legal Description(s): Township 21N, Range 8E, Section 5; Township 22N, Range 8E, Section 32

8. SURVEY AREA

8a. Total Acres: 12.21

8b. Survey Area.

1. Land Jurisdiction	2. Total Acres Surveyed	3. Total Acres Not Surveyed	4. Justification for Areas Not Surveyed
City of Flagstaff	2.15	NA	NA
Coconino County	10.06	NA	NA

9. ENVIRONMENTAL CONTEXTS

9a. Landform: The project area is located predominantly on a flat terrace between Elden Mountain and Sheep Hill. The northeast corner of the project area is on a gradual slope with two basalt outcrops forming stepped terraces increasing in elevation at approximately 10-15 meters per terrace.

9b. Elevation: 2115 meters (6940 feet) AMSL

9c. Surrounding Topographic Features: Sheep Hill is just to the southeast and the peak of Elden Mountain is about 2.75 kilometers to the west.

9d. Nearest Drainage: The Rio de Flag is just south and east of the project area. The Rio de Flag drains to San Francisco Wash, which drains to Padre Canyon, which drains to Canyon Diablo, which drains to the Little Colorado River, which drains to the Colorado River, which drains to the Gulf of California.

9e. Local Geology: Geologically the project area consists of Holocene to middle Pliocene volcanic rocks (0–4 million years). These are rhyolite to andesite deposited as a sequence of lava flows and associated rocks; generally light to medium gray, tan, or reddish brown. These rocks are part of the San Francisco volcanic field. There are also some Quaternary surficial deposits.

9f. Vegetation: Brown (1994) classifies the area as Petran Montane Conifer Forest. Vegetation is mixed grassland and Ponderosa pine (*Pinus ponderosa*) forest. Dense grasses make up the southeastern portion of the area, with the rest of the parcel is comprised of Ponderosa pines, grasses, and forbs (Figures 7–9).

9g. Soils/Deposition: Soils in the project area are classified as Hereford soils, which are Pachic Argiustolls. They are clayey and rocky.

9h. Buried Deposits: Deposition is generally moderate presenting some likelihood for buried deposits.

9i. Justification: See above.

10. BUILT ENVIRONMENT: Constructions on the property include a low cinderblock structure of unknown function, a water tank and associated utility shed, a wooden structure that appears to be an outhouse, and a similar wooden structure that is knocked over and broken (Figures 8, 10, and 11). None appear on historic maps or aerial imagery, nor do they possess diagnostic elements affirming them to be historic.

11. INVENTORY CLASS COMPLETED

11a. Class I Inventory:

11b. Researcher(s): Kevin Dickinson

11c. Class II Survey:

11d. Sampling Strategy: NA

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:

12g. Land-Managing Agency Files: NA

12h. Tribal Cultural Resources Files: NA

12i. Local Government Websites: NA

12j. Other: San Francisco Mtns (1:250,000) 1886, 1891, 1894, 1899; Flagstaff (1:125,000) 1908, 1912; Flagstaff (1:250,000) 1947, 1954, 1960, 1962; Flagstaff East (1:24,000) 1962, 1974

13. BACKGROUND RESEARCH RESULTS

In order to determine what previous projects had been conducted and what archaeological sites had been previously recorded within one mile of the project area, Cornerstone personnel conducted a site-file-search of AZSITE records on May 10, 2021. Cornerstone also reviewed the National Register of Historic Places (NRHP 2020) electronic database, as well as various historic maps (*see* Section 12j). There were no notable observations on historic maps.

13a. Previous Projects and Previously Recorded Cultural Resources Within Search Area.

AZSITE records identify one previous project within the current project area and 13 projects within the search area (Table 1; Figure 4). Full citations are only required for projects within the project area. AZSITE records identify one archaeological site within the current project area and numerous previously recorded sites within the search area (Table 2; Figure 5).

Table 1. Previous Projects (Figure 4)¹

Project Number	Project Name	Author	Year
2000-633	ADOT US 89 Fanning Drive to Townsend Road	Garcia, Daniel	2001

¹SHPO requires full citations only for those projects within the APE (direct and visual APE for FCC projects).

Table 2. Previously Recorded Cultural Resources (Figure 5)²

Site Number/ Property Name/Address	Cultural/Temporal Affiliation	Site Type	Associated Reference (Author, Year) ²
AZ I:15:156(ASM); Historic Route 66	Historic	Historic Road	Multiple

²SHPO requires full citations only for those projects within the APE (direct and visual APE for FCC projects).

13b. Previous Research Comments:

AZSITE plots Site AZ I:15:156(ASM) running along the northwest edge of the project area. This site is Historic Route 66 and is currently in use as North Highway 89, and as such it was not evaluated under this study. No cultural material associated with the road was observed during the survey.

The NRHP lists 150 properties within Coconino County, Arizona, as of November 10, 2020 (NRHP 2020). The NRHP lists 10 properties within the one-mile search area, but no properties within the project area. The 1904 General Land Office (GLO) map for Township 21 North, Range 7 East yielded no notable observations. Sanborn-Perris Fire Insurance Company (Sanborn) maps are not available for the project area since it is undeveloped.

14. CULTURAL CONTEXTS

14a. Prehistoric Culture: Northern Sinagua

14b. Protohistoric Culture: Apache, Diné (Navajo), Hopi

14c. Indigenous Historic Culture: Apache, Diné (Navajo), Hopi

14d. Euro-American Culture: 1600s to present

15. FIELD SURVEY PERSONNEL

15a. Principal Investigator: Joshua S. Edwards

15b. Field Supervisor: Kristoffer Stein, Jack Treichler

15c. Crew: N/A

15d. Fieldwork Date(s): May 18, 2021

16. SURVEY METHODS

16a. Transect Intervals (maximum): 20 meters or less

16b. Coverage: 100%

16c. Site Recording Criteria: ASM (1993, 1995)

16d. Ground Surface Visibility: Visibility is fair, averaging 40% open, although much of the open visibility appears to be dumped cinders possibly obscuring the natural ground surface.

16e. Observed Disturbances: The parcel is moderately to heavily disturbed with observed recent utility work, dumping of road cinders, modern storage of containers and mechanical equipment, vehicle traffic,

primitive campsites/homeless camps, modern fire-rings, and road construction including push piles and road cuts.

17. FIELD SURVEY RESULTS

17a. No Cultural Resources Identified:

17b. Isolated Occurrences (IOs) Only:

17c. Number of IOs Recorded: 2

17d. Table of IOs (Figure 6):

IO #	Cultural/Temporal Affiliation	Description	Location (UTM) NAD 83, Zone 12N
IO01	Sinagua/400–1450 CE	One undifferentiated Alameda Brown Ware sherd.	█ m E █ m N
IO02	Sinagua/400–1450 CE	Sparse scatter of about 20 artifacts in a 30-meter diameter area, at a maximum artifact density of 3/m ² . Observed artifacts consist of 13 Alameda Brown Ware sherds (Sunset Red), three undifferentiated San Francisco Mountain Gray Ware sherds, two undifferentiated black-on-white whiteware sherds, and two tertiary tannish/brown chert flakes.	█ m E █ m N

18. COMMENTS: Cornerstone archaeologists Kristoffer Stein and Jack Treichler surveyed the project area using standard techniques and following Arizona State Museum protocol for 100% pedestrian coverage. No archaeological sites or historical buildings were observed in the project area. Two isolated occurrences were located during the survey (IO01, IO02).

Isolates are not eligible for inclusion in the NRHP and require no further action or management.

Cornerstone recommends that the proposed project be allowed to proceed with no further archaeological work. Due to some potential for subsurface/unobserved artifacts at IO02, Cornerstone recommends a 30-meter diameter area around the IO be avoided by any ground-disturbing activity.

There is some potential for the inadvertent discovery of significant archaeological remains within the project area. 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 Flagstaff, Arizona and/or National Register of Historic Places (F/A/NRHP) in consultation with the lead agency, AZSHPO, and Tribes, as appropriate. Work must not resume in this area without approval of the lead agency.

19. ATTACHMENTS

19a. Project Location Map:

19b. Land Jurisdiction Map:

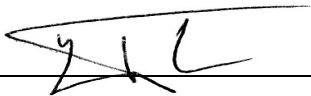
19c. Background Research Map(s):

19d. GLO Map(s):

19e. References:

20. CONSULTANT CERTIFICATION

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



Signature

6/7/2021

Date

Principal Investigator
Title



21. DISCOVERY CLAUSE

INADVERTENT DISCOVERIES AGENCY/CONTRACTOR RESPONSIBILITIES REGARDING SURVEYS WITH NEGATIVE FINDINGS

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 Flagstaff, Arizona and/or National Register of Historic Places in consultation with the lead agency, the State Historic Preservation Office, 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 the Native American Graves Protection and Repatriation Act (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 the Arizona State Museum and the lead agency.

REFERENCES CITED

Arizona State Historic Preservation Office (AZSHPO)

- 2009 Arizona Reporting Standards for Cultural Resources. Developed by the Arizona State Historic Preservation Office (SHPO), the Arizona State Museum (ASM), and the Arizona State Land Department (AZLD). Adopted by the Arizona State Parks Board in 2002, with minor edits, revisions, and updates in 2009; 2016.

Arizona State Museum (ASM)

- 1993 *Archaeological Site Recording Manual*. Arizona State Museum, University of Arizona, Tucson.

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

Brown, David E. (editor)

- 1994 *Biotic Communities: Southwestern United States and Northwestern Mexico*. University of Utah Press, Salt Lake City.

National Register of Historic Places (NRHP)

- 2020 National Register of Historic Places by State/County. National Register Information System. Electronic Document, <http://www.nationalregisterofhistoricplaces.com/AZ/Coconino/state.html>, accessed September 18, 2020.

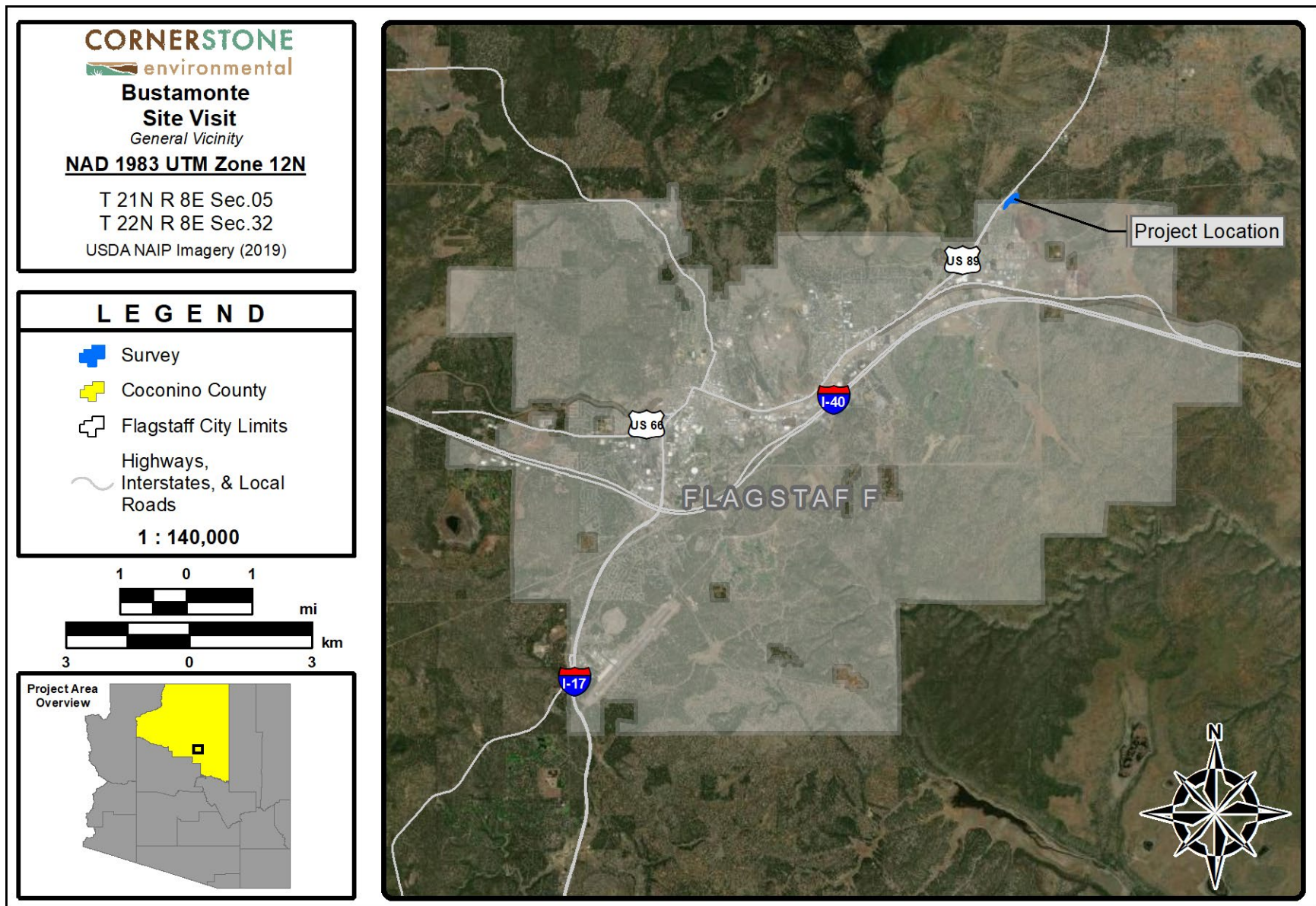


Figure 1. General location of the project area.

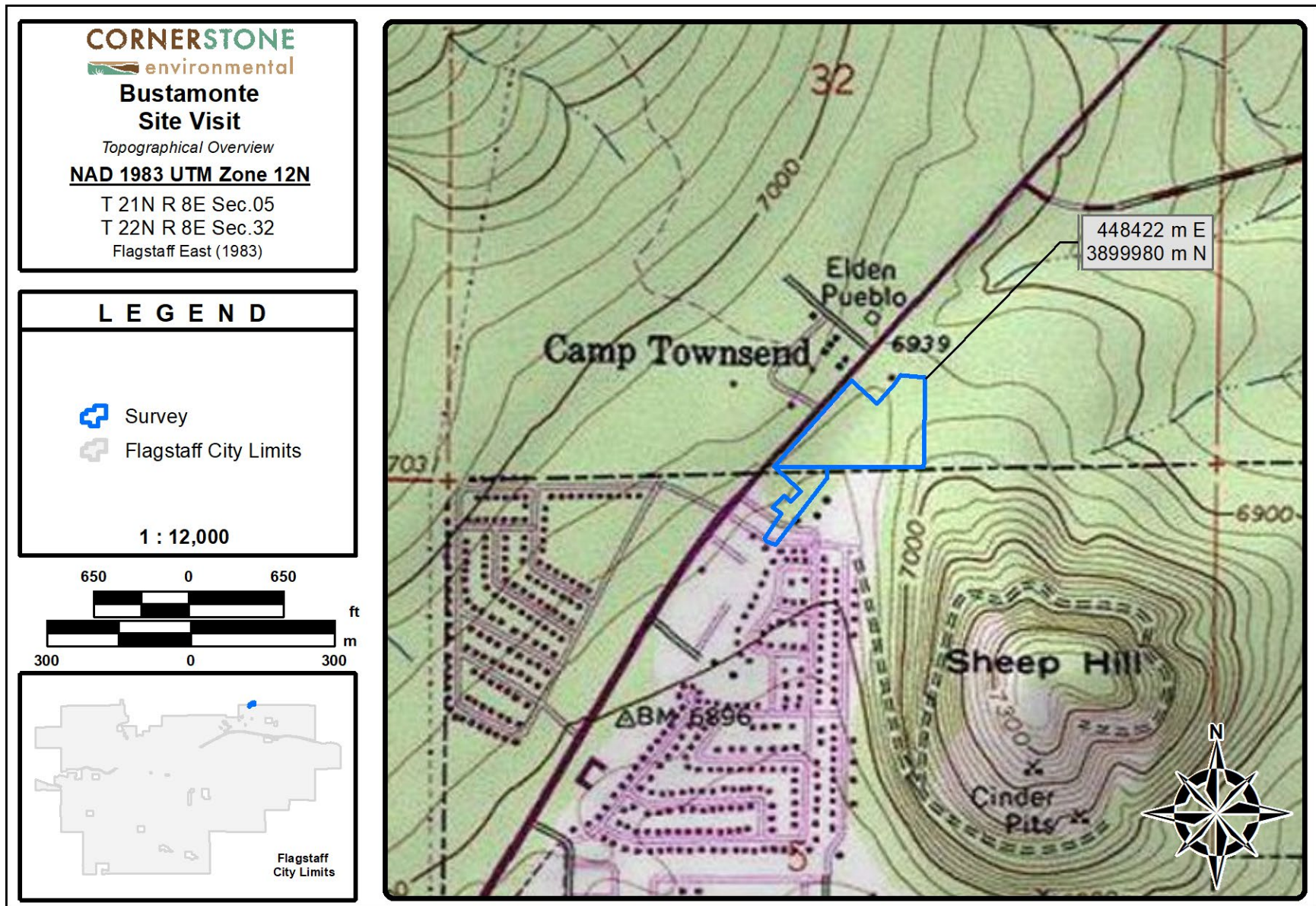


Figure 2. 1:24,000 scaled topographic map of project area with UTM location.



Figure 3. Aerial image of project area.

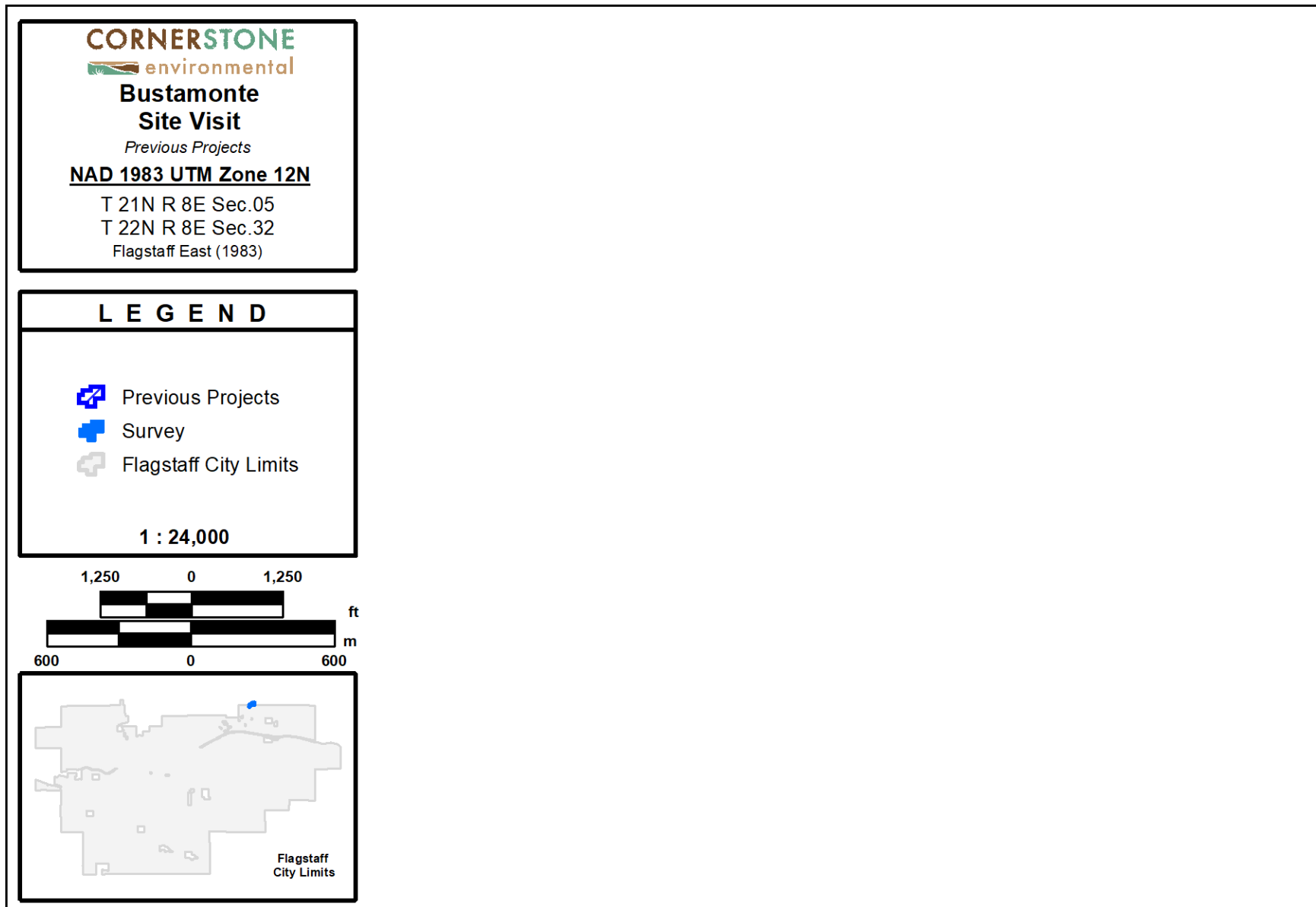


Figure 4. Previously conducted archaeological surveys within the 1-mile buffer area.

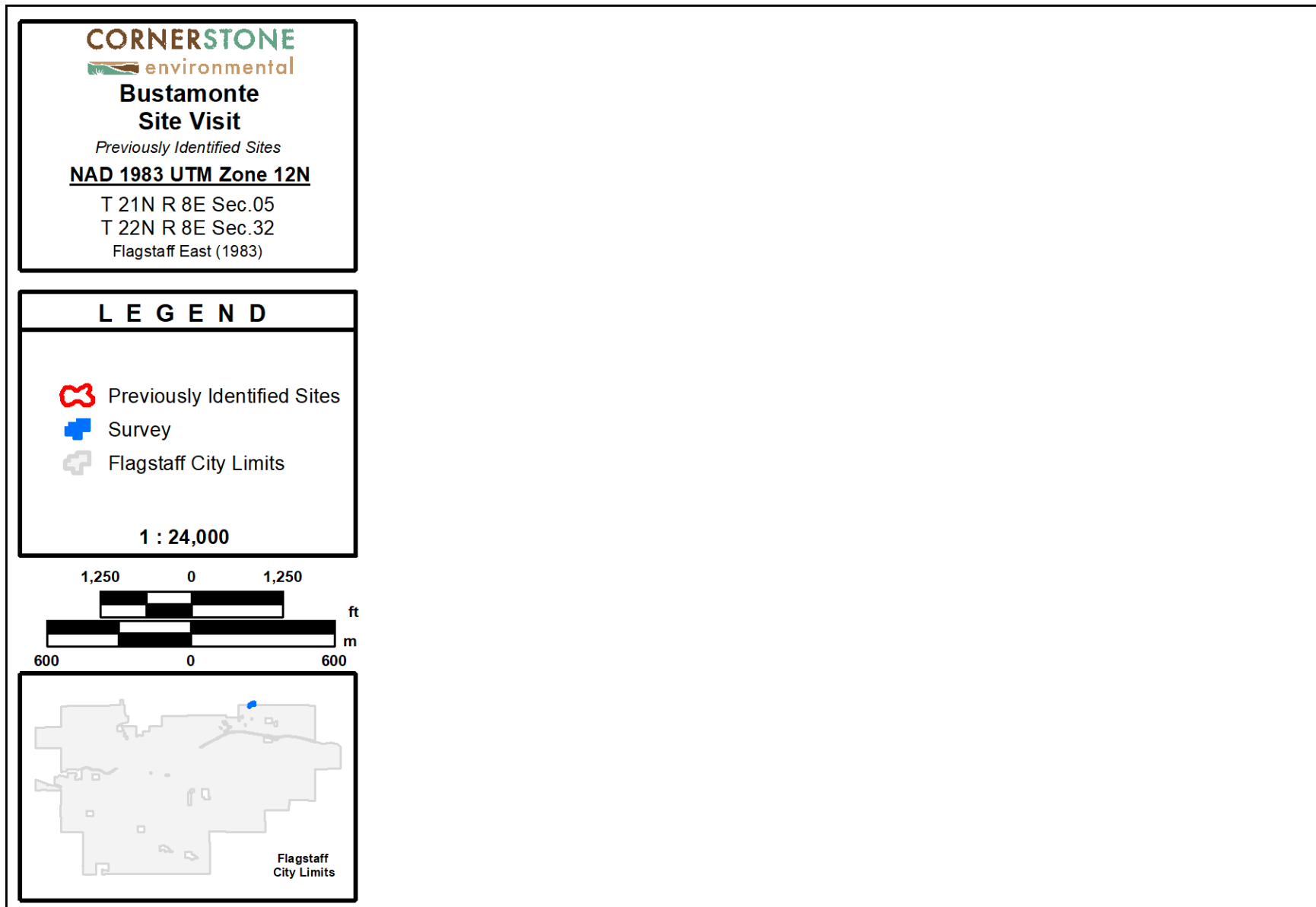


Figure 5. Previously identified sites within the 1-mile buffer area.

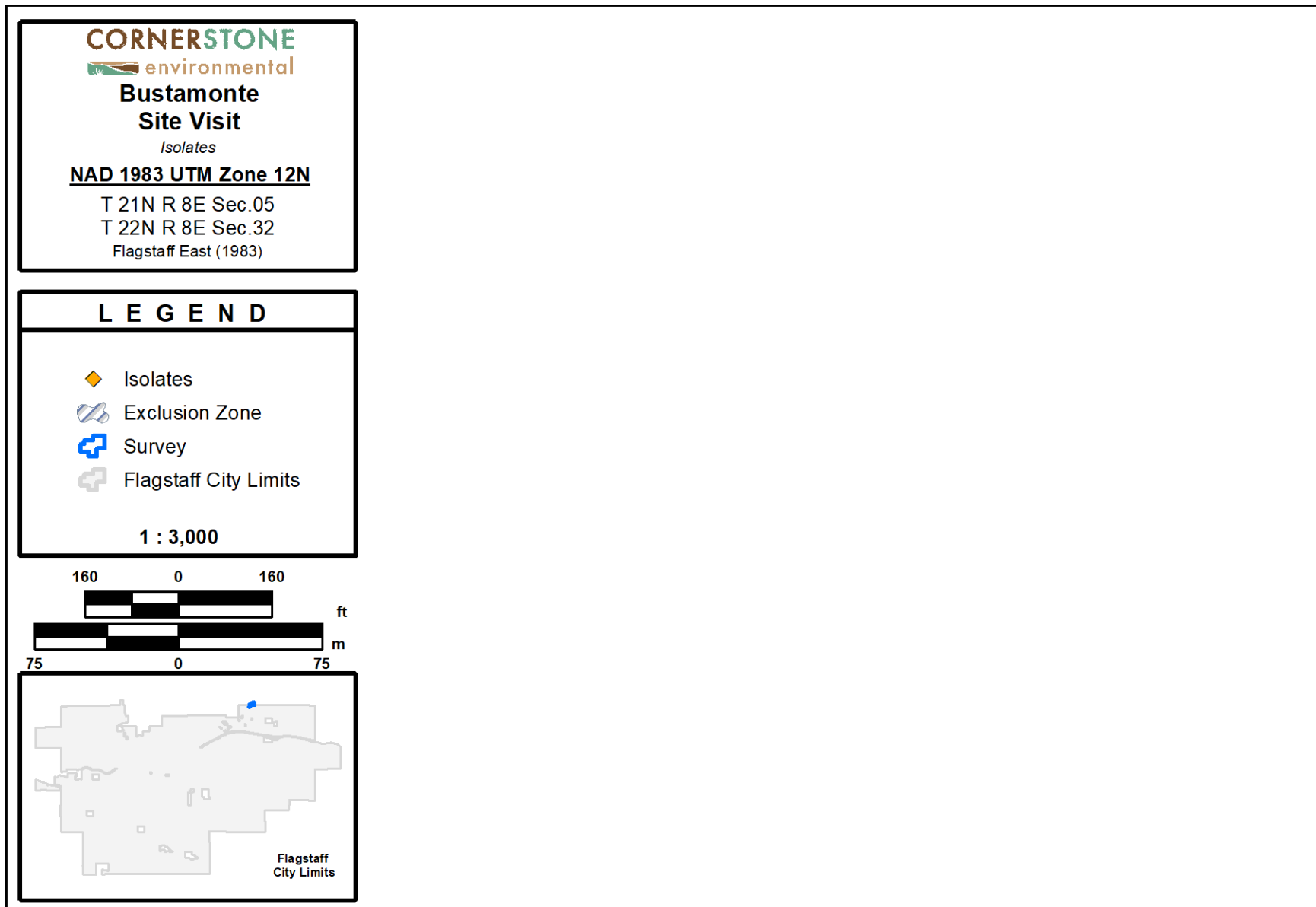


Figure 6. Isolated Occurrences.



Figure 7. Project area overview, looking southeast.



Figure 8. Project area overview, looking northeast.



Figure 9. Project area overview, looking southwest.



Figure 10. Overview of water tank, looking west.



Figure 11. Overview of outhouse structure, looking east.

ADDENDUM

To

Site Visit to Parcels 301-50-005G and 113-17-011A in Flagstaff, Arizona

It should be noted that the project area is situated in an area of high archaeological site density. Within the 1-mile search area, there are 77 known archaeological sites, which translates to a density of about one site per 32 acres, or 20 sites per square mile. Among these sites is Elden Pueblo, located less than ¼-mile to the north of the project area. Elden Pueblo is a 60 to 70 room pueblo that was inhabited by the Northern Sinagua people from about 1070 to 1275 CE. It is possible that 300 to 350 people may have lived there during its height. Based off artifacts found at the site during excavation, archaeologists believe it was a prehistoric trade center. Modern indigenous groups consider it an ancestral site.