CULTURAL RESOURCE ASSESSMENT SURVEY
TECHNICAL MEMORANDUM
STORMWATER MANAGEMENT FACILITIES (SMF) & FLOODPLAIN COMPENSATION (FPC) SITES
I-75 (SR 93A) FROM MOCCASIN WALLOW ROAD TO SOUTH OF US 301
HILLSBOROUGH AND MANATEE COUNTIES, FLORIDA

Work Program Item Segment No.: 419235-2

Prepared for:

Florida Department of Transportation
District Seven
11201 North McKinley Drive
Tampa, Florida 33612-6456

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by FDOT pursuant to 23 U.S.C. § 327 and a Memorandum of Understanding December 14, 2016 and executed by FHWA and FDOT.

June 2020

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11201 North McKinley Drive
Tampa, Florida 33612-6456

Prepared by:

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JUNE 2020

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1. INTRODUCTION

Archaeological Consultants, Inc. (ACI) conducted a Cultural Resources Assessment Survey (CRAS) of 40 Stormwater Management Facility (SMF) sites (two of the SMF sites have multiple parts) and 15 Floodplain Compensation (FPC) sites (hereinafter referred to as pond sites) associated with the Florida Department of Transportation's (FDOT) proposed improvements to I-75 from Moccasin Wallow Road to south of US 301, in Hillsborough and Manatee Counties (**Figures 1-5**). The purpose of this survey was to locate and identify any cultural resources within the project Area of Potential Effects (APE) and to assess their significance in terms of eligibility for listing in the National Register of Historic Places (NRHP), as well as assess the potential of adverse impacts to resources from the proposed project activities. As defined in 36 CFR Part § 800.16(d), the APE is the "geographic area or areas within which an undertaking may directly or indirectly cause alterations in the character or use of historic properties, if any such properties exist." The archaeological APE is defined as the area contained within the footprint of the proposed undertaking and the historical APE includes the archaeological APE and properties immediately adjacent.

This CRAS was initiated to comply with Section 106 of the *National Historic Preservation Act* of 1966, as amended by Public Law 89-665; the *Archaeological and Historic Preservation Act*, as amended by Public Law 93-291; Executive Order 11593; and Chapter 267, *Florida Statutes (FS)*. All work was carried out in conformity with Part 2, Chapter 8 ("Archaeological and Historical Resources") of the FDOT's *Project Development and Environment (PD&E) Manual* (FDOT 2019), and the Florida Division of Historical Resources' (FDHR) standards contained in the *Cultural Resource Management Standards and Operational Manual* (FDHR 2003), as well as with the provisions contained in the Chapter 1A-46, *Florida Administrative Code* (*FAC*). Principal Investigators meet the *Secretary of the Interior's Historic Preservation Professional Qualification Standards* (48 FR 44716) for archaeology, history, architecture, architectural history, or historic architecture.

The background research indicated that there are 46 previously recorded archaeological sites within one half mile of the 55 pond sites, but no previously recorded historic resources (50 years of age or older) within the pond sites. Of the 46 previously recorded archaeological sites, two sites are adjacent to three of the proposed SMF/FPC sites and four sites are partially within six of the proposed SMF/FPC sites. Most of the SMF/FPC sites were assigned a low archaeological potential; however, several were assigned a low to moderate, moderate, moderate to high, or high potential for the discovery of additional archaeological sites or for evidence of previously recorded sites. In addition, once fieldwork began, the archaeological potential for several of the pond sites was downgraded because of current field conditions. As a result of the field survey, no evidence of any of the previously recorded sites was found. However, one archaeological occurrence (AO) was located and consisted of one single flake. AO's are not sites and not considered eligible for listing in the NRHP. Two of the pond sites (FPC 27A and SMF 29B) were not tested due to access issue. However, the FDOT is committing to conducting no ground disturbance on those two ponds until they are tested in the future (FDOT 2020). In addition, efforts to access FPC 27A were made through contacting the property owner in a letter dated March 27, 2020 (on file with the FDOT, District 7).

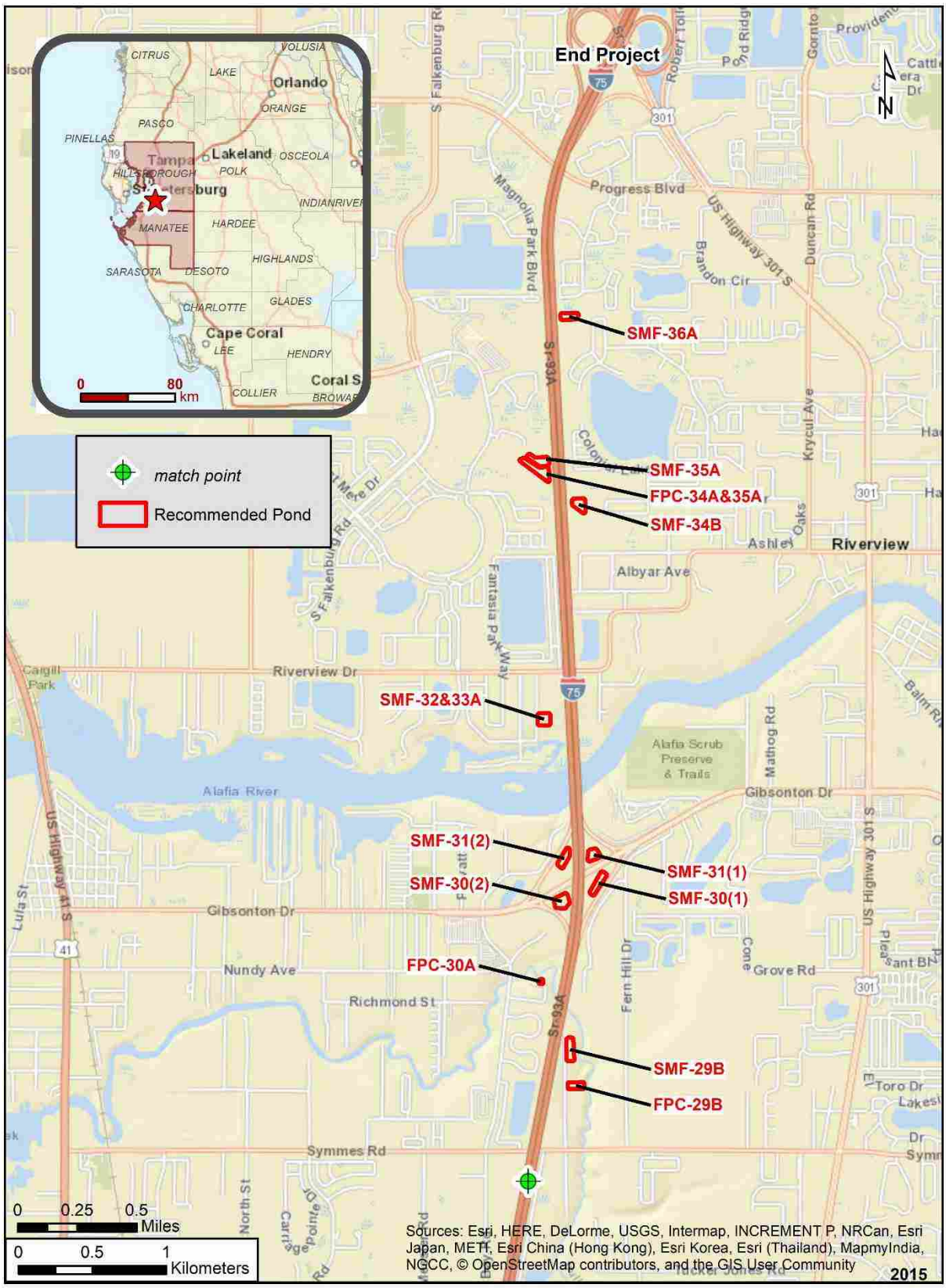

Figure 1. Location of the APE.

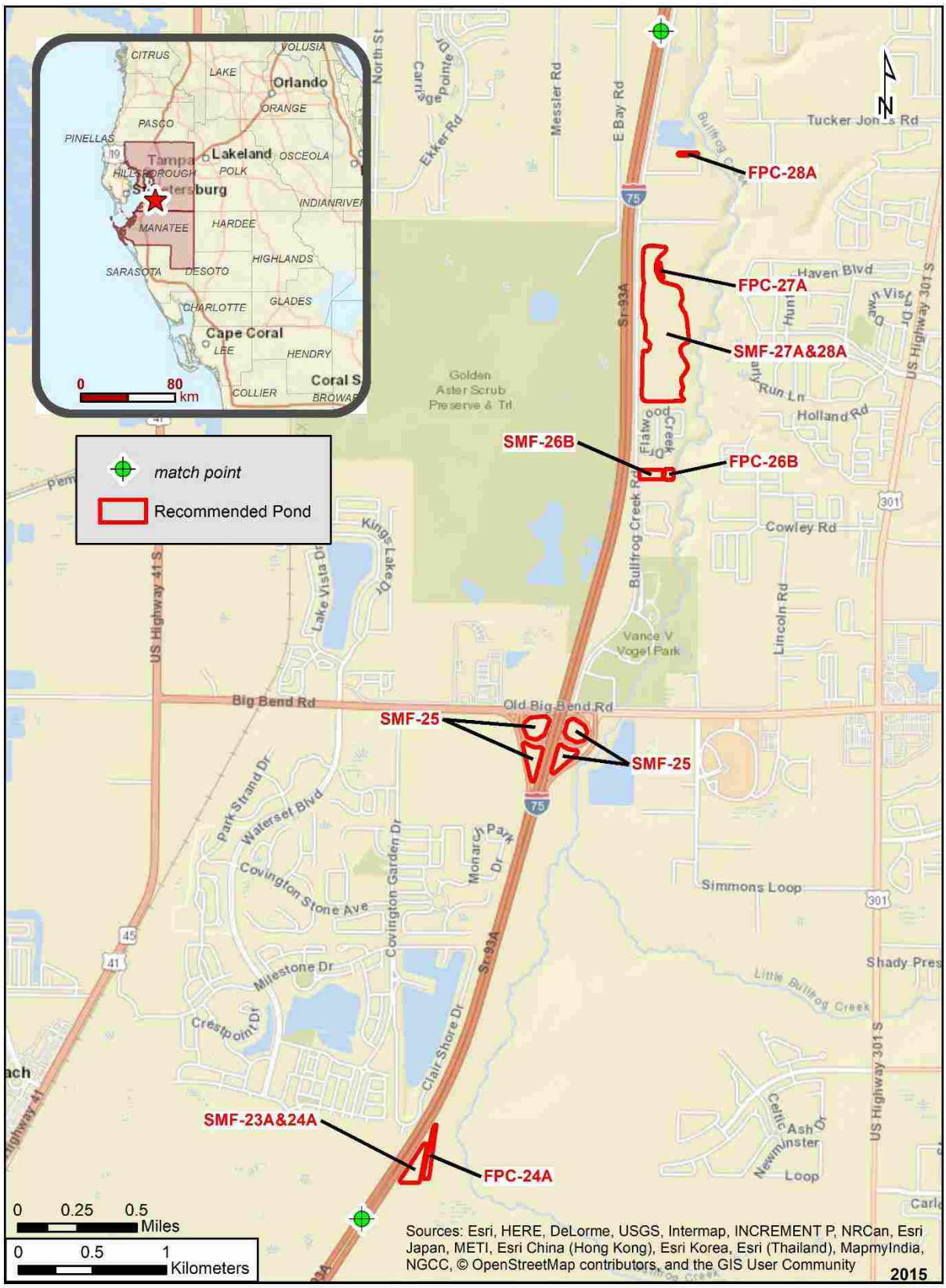

Figure 2. Location of the APE.

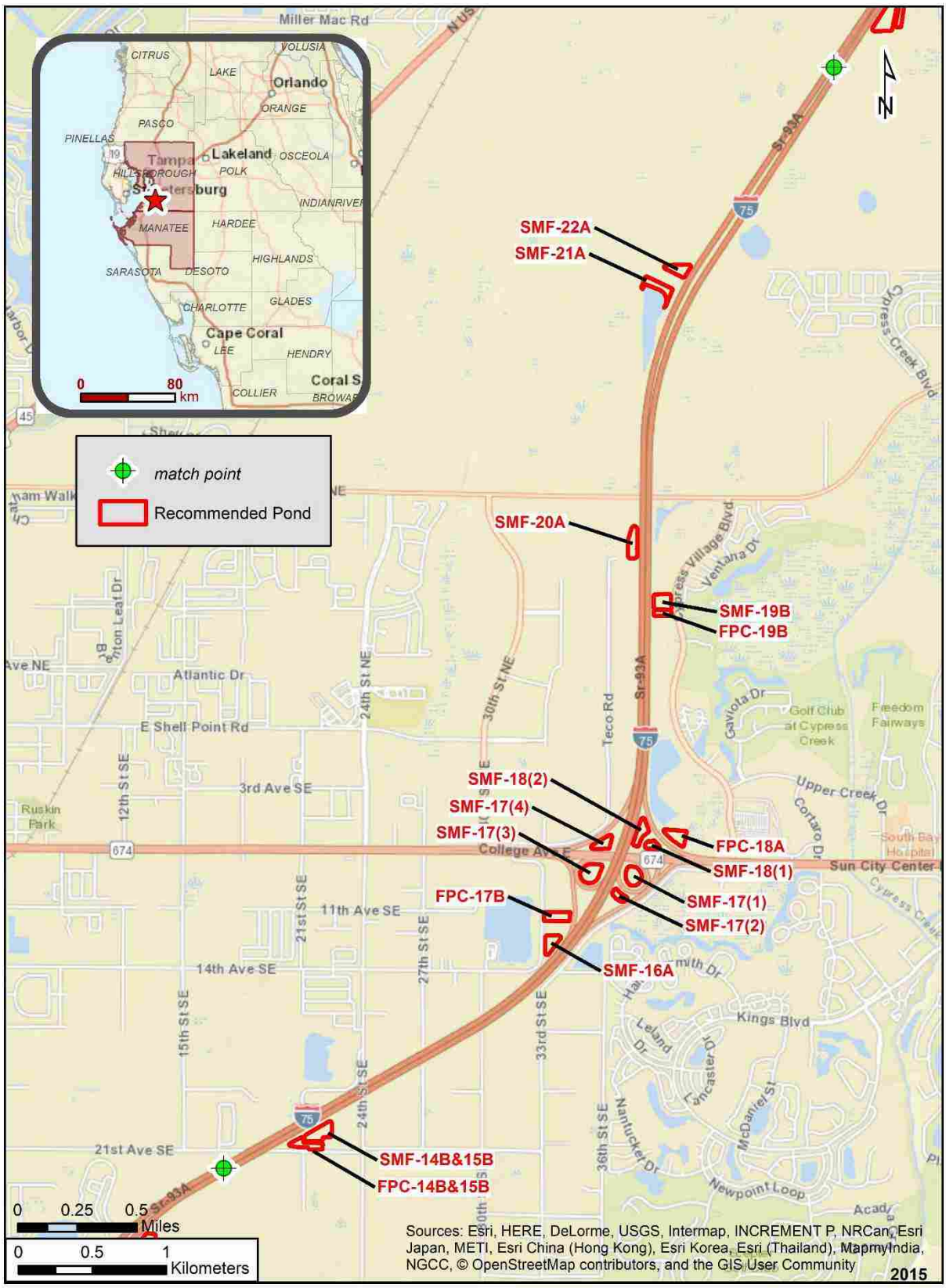

Figure 3. Location of the APE.

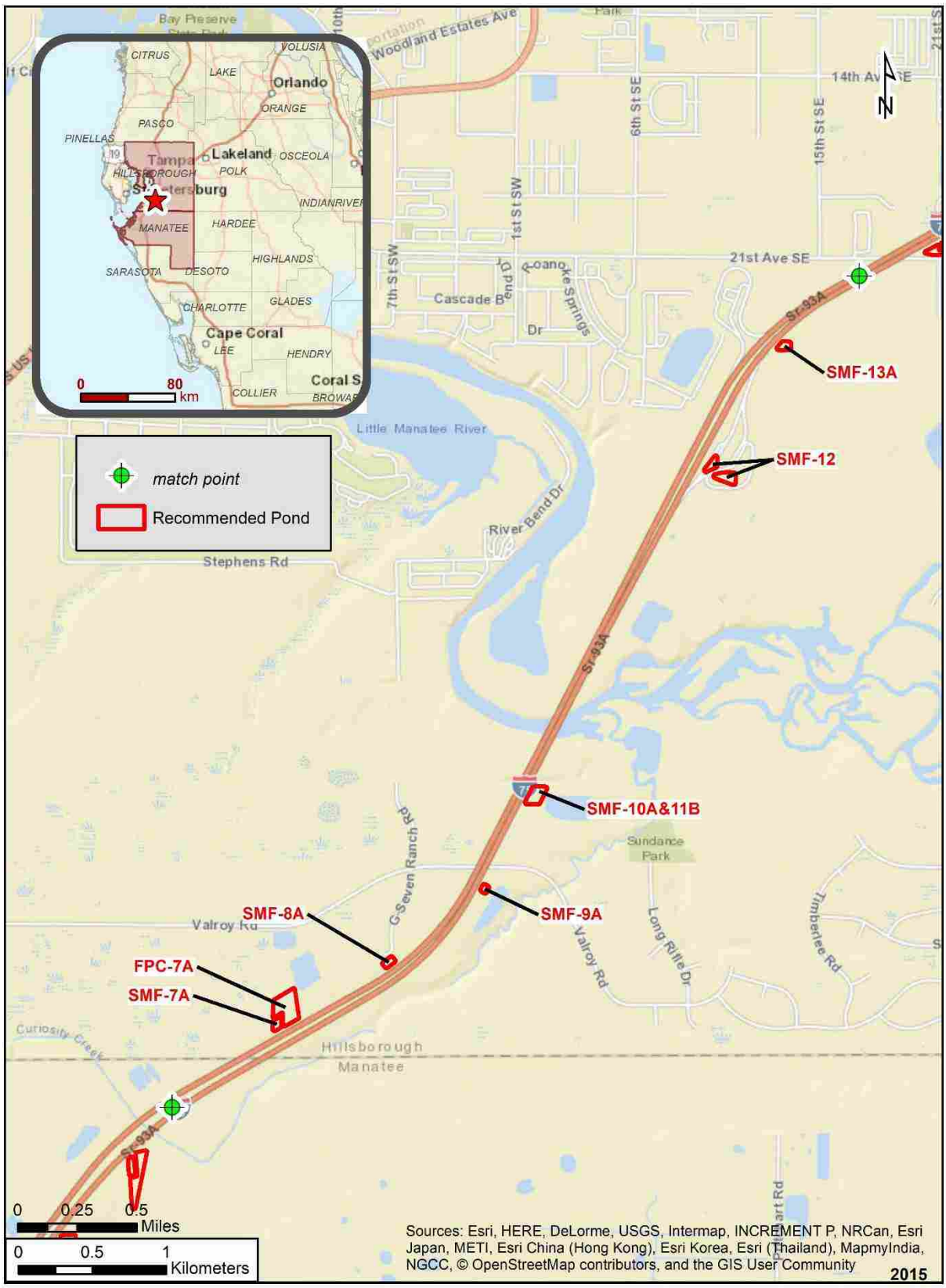

Figure 4. Location of the APE.

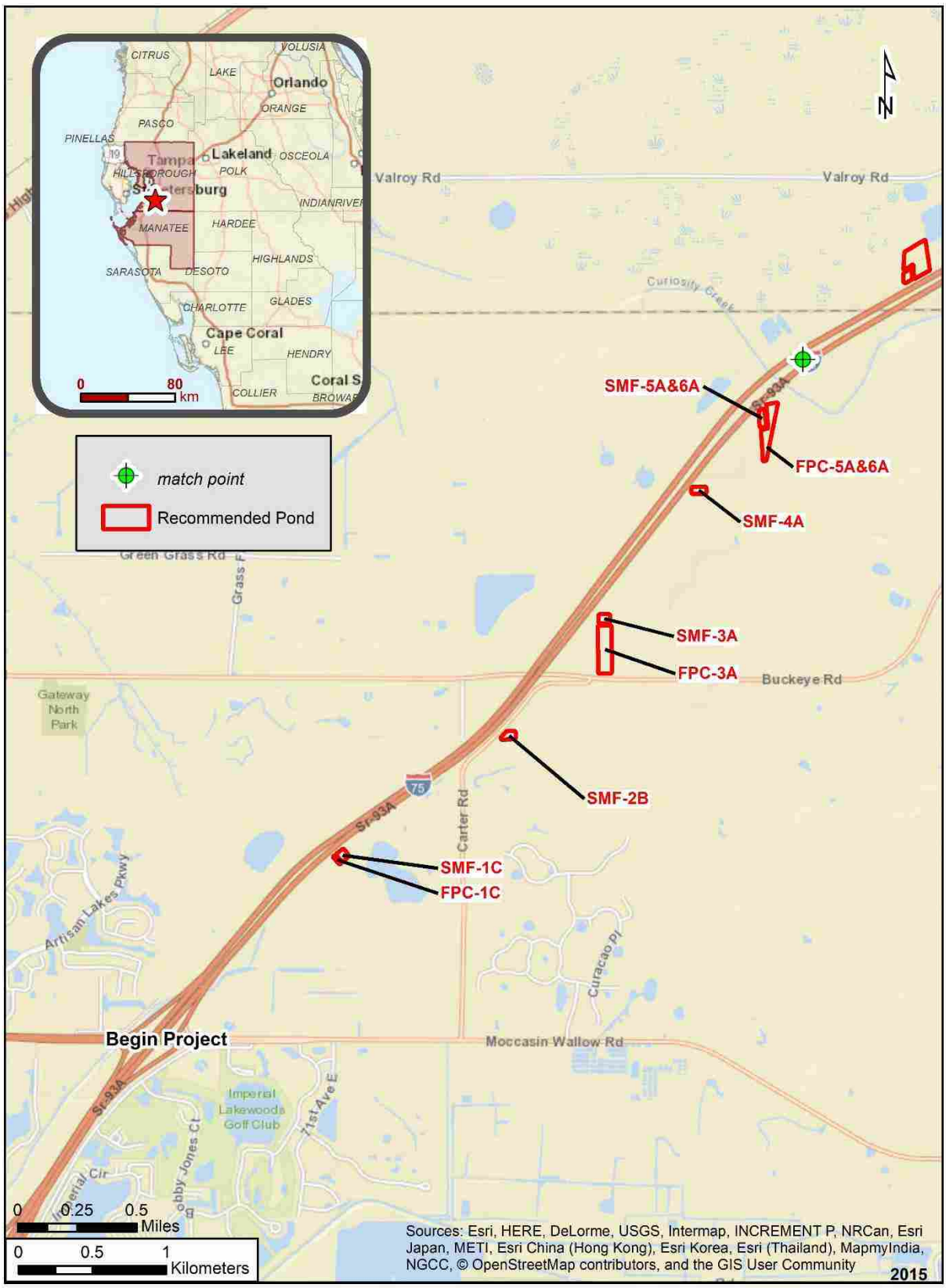

Figure 5. Location of the APE.

As a result of the background research for historic resources, 50 years of age or older, no previously recorded resources were located The field survey also resulted in negative results.

Based on the results of the background research and field investigations, the proposed undertaking will have no effect to any cultural resources listed, eligible, or that appear to be eligible for listing in the NRHP.

2. PROJECT DESCRIPTION

The FDOT, District Seven, is proposing roadway improvements to a segment of SR 93 (I-75) from Moccasin Wallow Road to south of US 301, in Manatee and Hillsborough Counties, Florida. The proposed project will widen the existing roadway from a six-lane section to a 10-lane section. The existing I-75 roadway includes three (3) 12-foot travel lanes, a 12-foot inside shoulder (10 foot paved), and a 12-foot wide outside shoulder (10-foot paved) with a depressed grass median and roadside ditches. The median width varies from approximately 85 feet (ft) to 184 ft. The existing right-of-way (ROW) width varies from approximately 348 ft to 447 ft and to 1,193 ft. The roadway will generally be widened to 10 travel lanes consisting of six 12-foot general use lanes (three in each direction) and four 12-foot express lanes (two in each direction). The general use lanes and express lanes will be barrier separated with full paved shoulders.

3. ENVIRONMENTAL SETTING

The APE is located in various Sections, Townships, and Ranges (**Table 1; Figures 6-10**) and is located within the Central or Mid-peninsula physiographic zone (White 1970). The topography is gently rolling with a series of low hills and valleys paralleling the coast. The land ranges in elevation from 0-50 feet (ft) above mean sea level (amsl) with the lowest elevations along the Little Manatee and Alafia Rivers. The project is situated within the Gulf Coastal Lowlands which are characterized by surficial streams with little to no "downcutting".

Table 1. Sections, Townships, Ranges

Sections	Townships	Ranges
Hillsborough County		
06,07,18,19,30,31	30 S	20 E
01,12,13,23,24,25,26,35	31 S	19 E
02,10,11,15,16,20,21,29,30,31,32	32 S	19 E
Manatee County		
01,02,10,11,15,16	33 S	18 E

Soils within the APE in Hillsborough County transects the Myakka-Basinger-Holopaw, Myakka-Immokalee-Pomello, Samsula-Basinger, and Myakka-Urban land-St. Augustine soil associations (United States Department of Agriculture [USDA] 1989). The Myakka-Basinger-Holopaw association is the most prevalent and consists of nearly level, poorly and very poorly drained soils of the flatwoods. The Myakka-Immokalee-Pomello association is characterized by poorly and moderately well drained soils. These are nearly level to gently sloping and associated with the flatwoods. The nearly level, very poorly drained Samsula-Basinger association is located along Bullfrog Creek. The Myakka-Urban land-St. Augustine soil association, situated along the Little Manatee River, is characterized by nearly level, very poorly drained to somewhat poorly drained soils. Within Manatee County, the I-75 PD&E Study corridor crosses through the EauGallie-

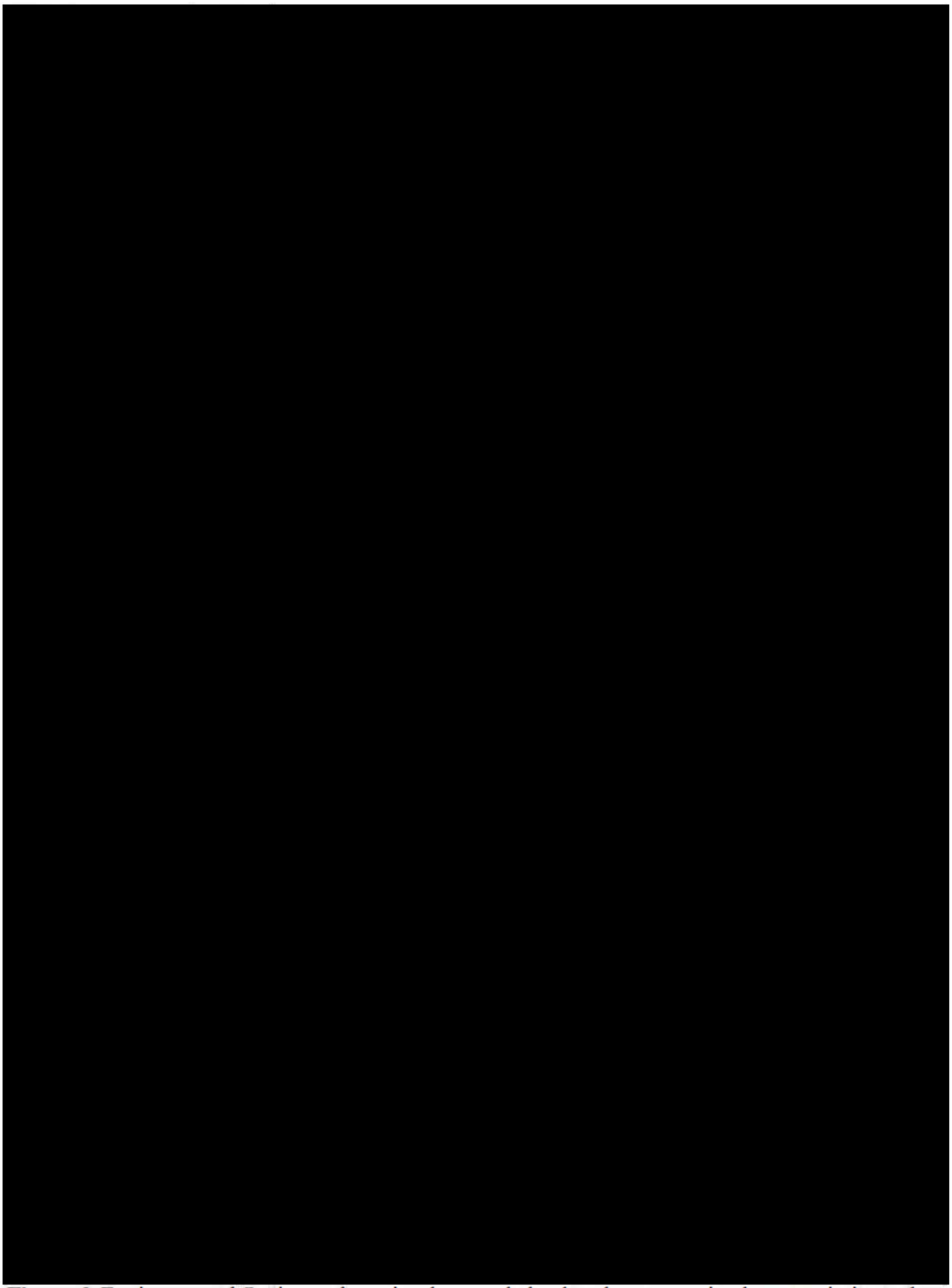

Figure 6. Environmental Setting and previously recorded cultural resources in close proximity to the APE and within one half mile.

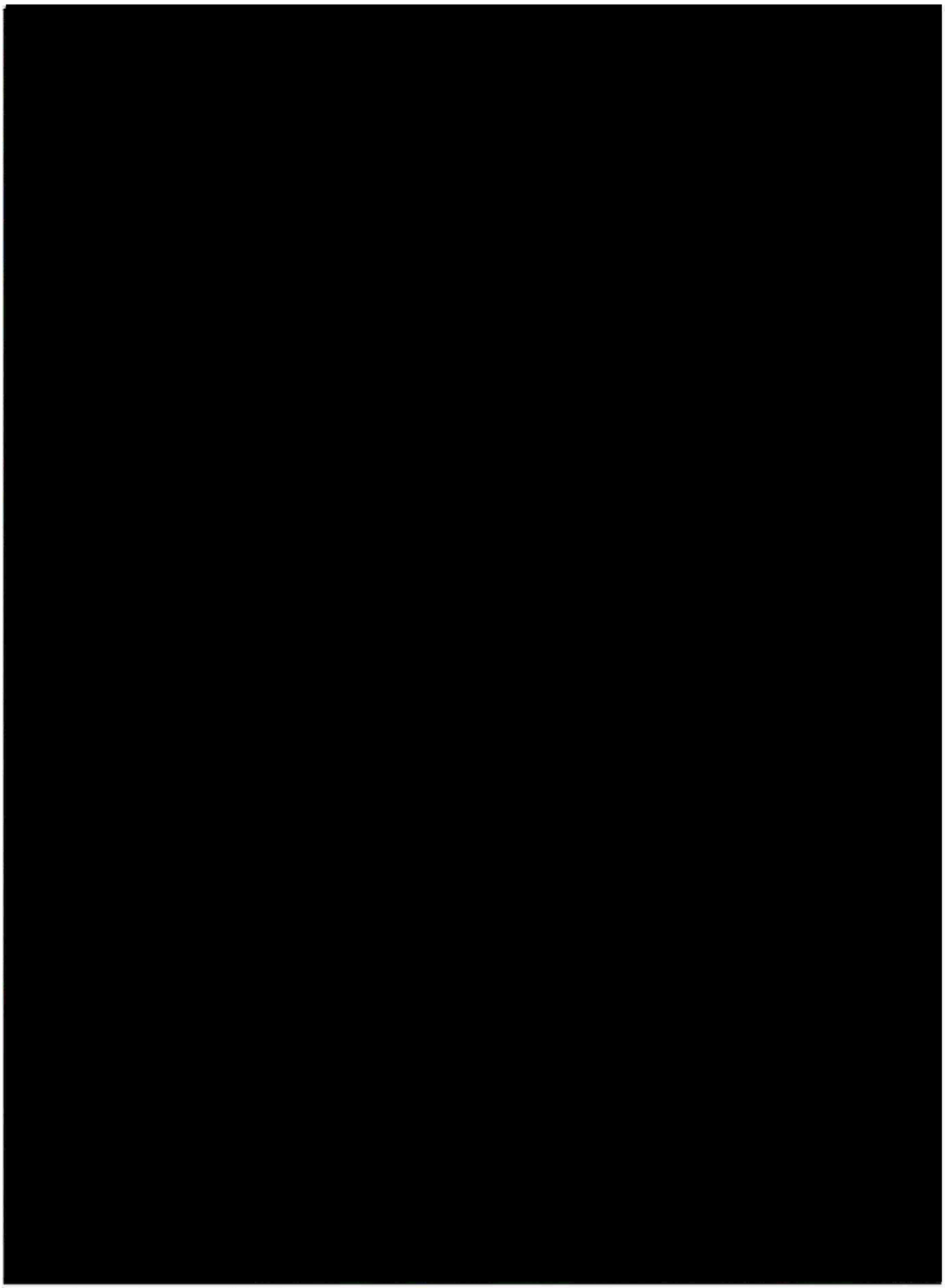

Figure 7. Environmental Setting and previously recorded cultural resources in close proximity to the APE and within one half mile.

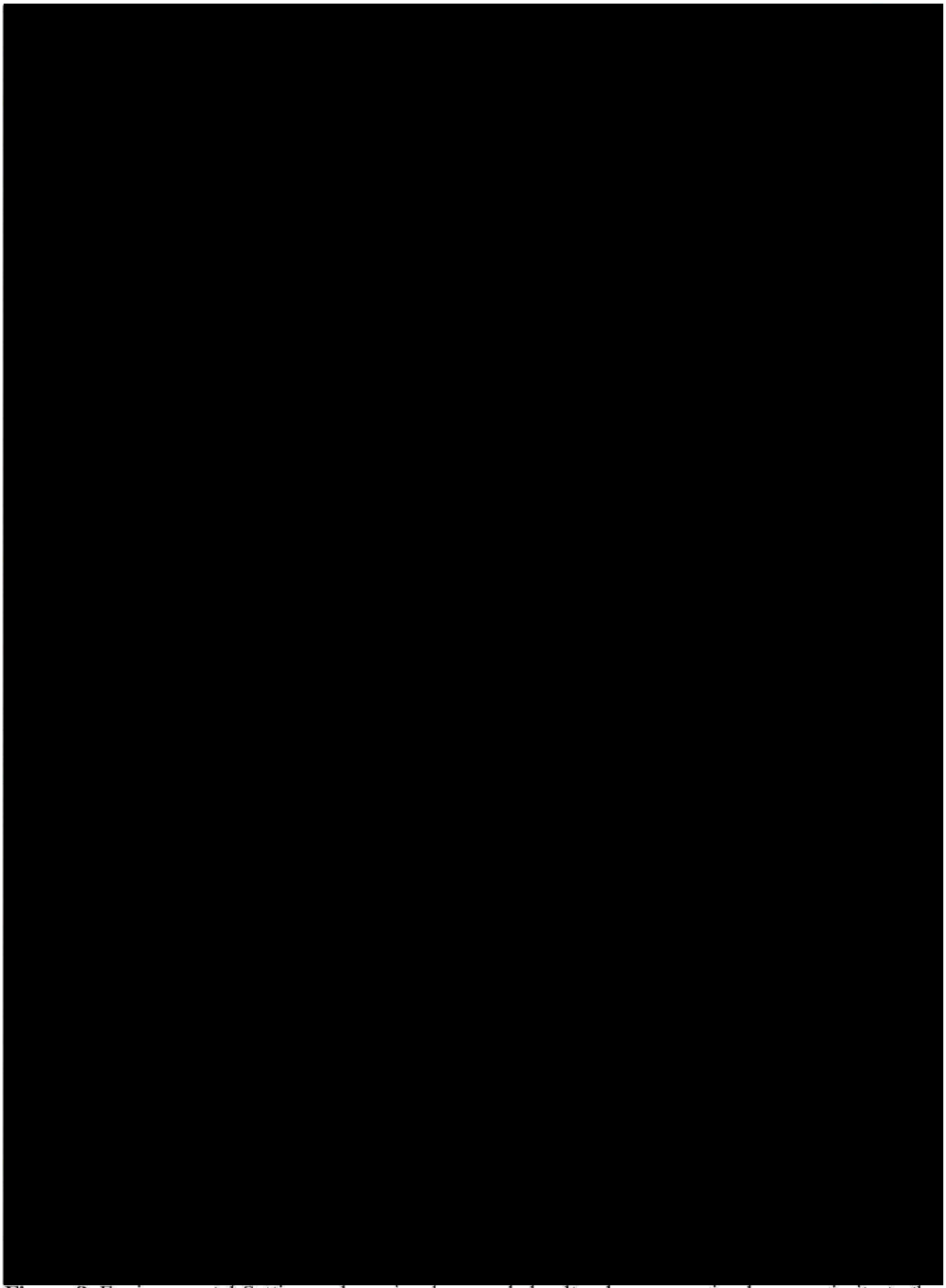

Figure 8. Environmental Setting and previously recorded cultural resources in close proximity to the APE and within one half mile.

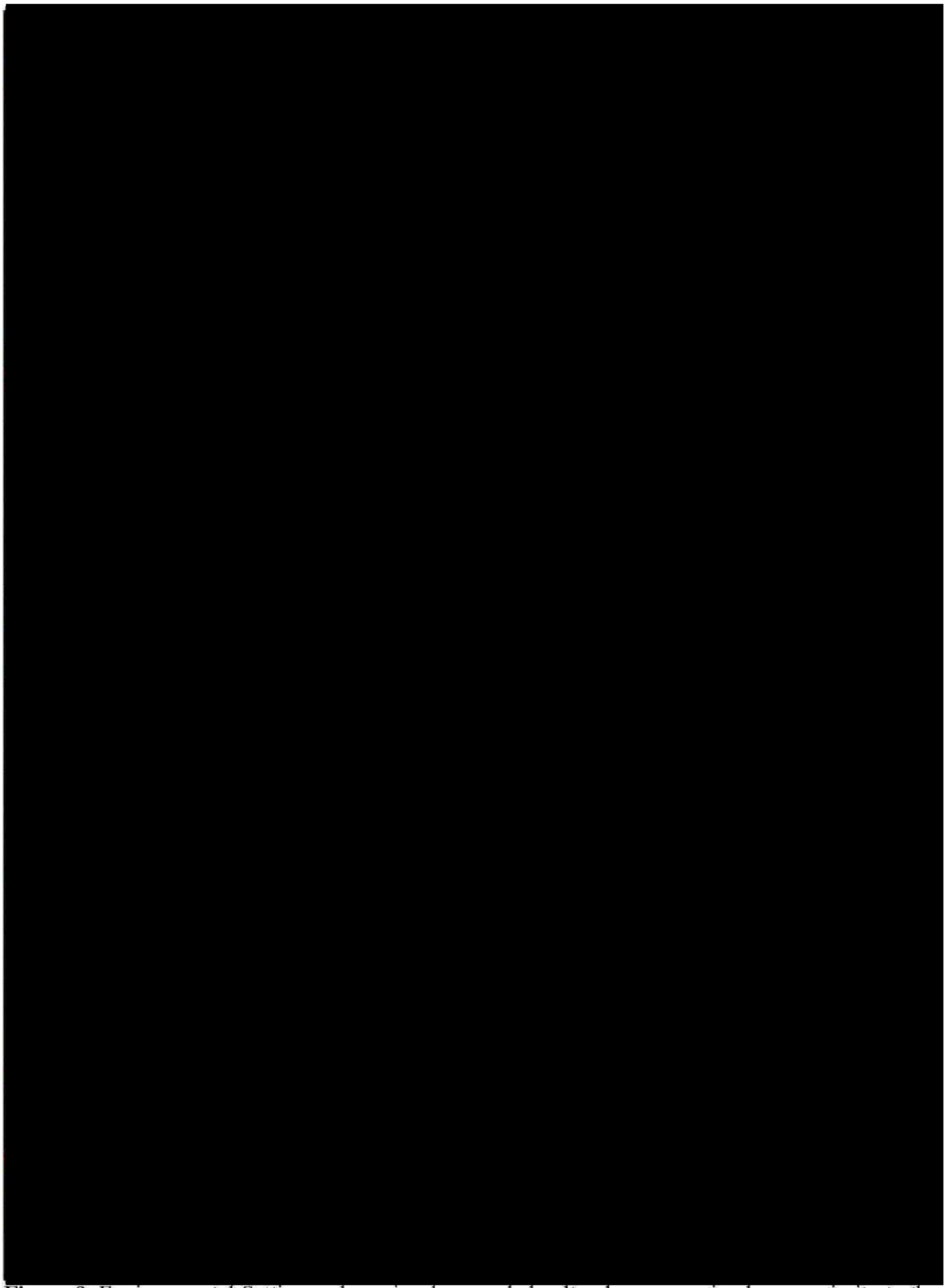

Figure 9. Environmental Setting and previously recorded cultural resources in close proximity to the APE and within one half mile.

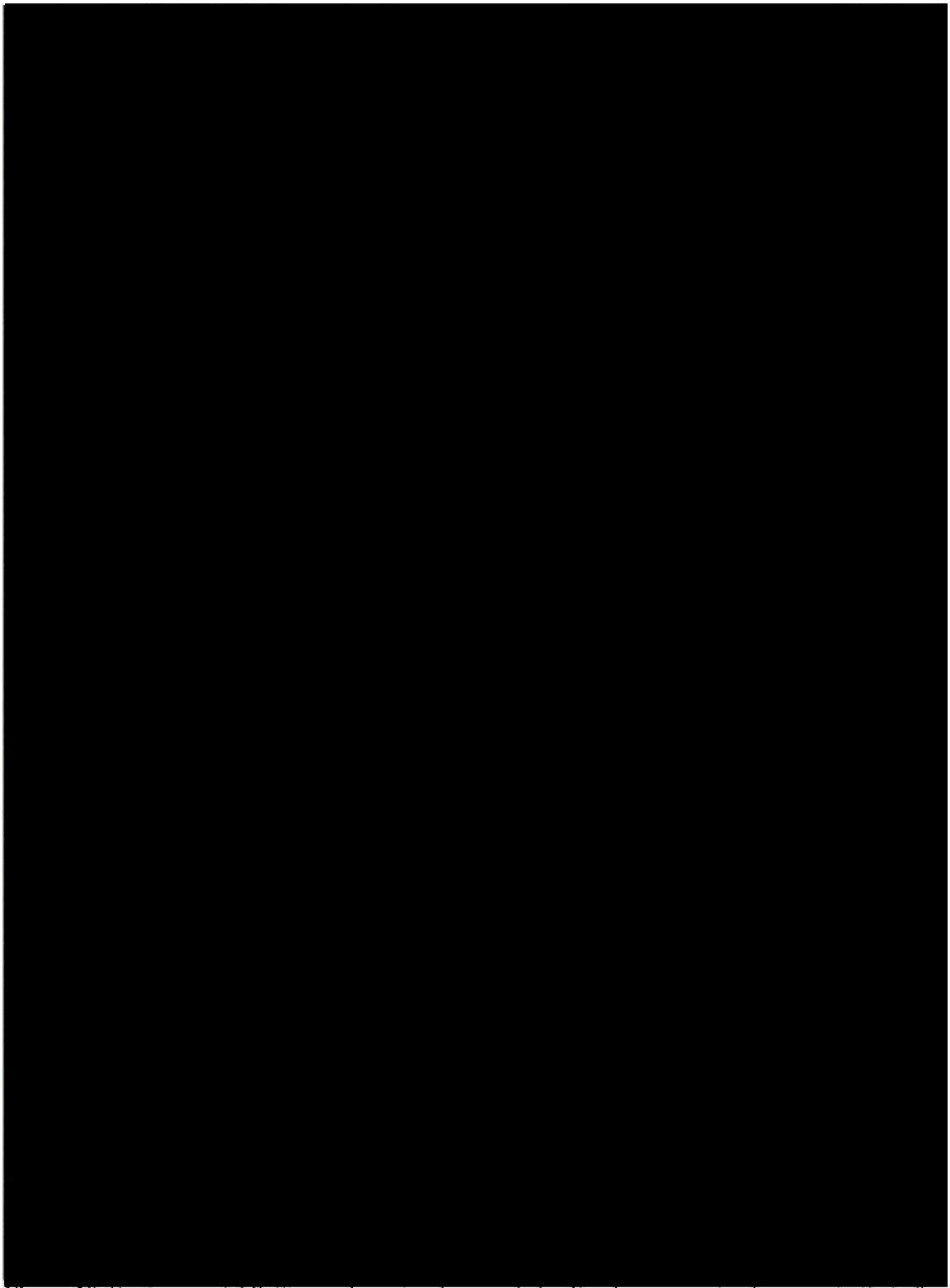

Figure 10. Environmental Setting and previously recorded cultural resources in close proximity to the APE and within one half mile.

Floridana and Wabasso-Bradenton-EauGallie associations. Both are associated with the flatwoods. In general, the soils are nearly level and poorly drained, with a somewhat loamy subsoil (USDA 1983). A more detailed description of the soils can be found in ACI's 2008 PD&E Study on file at the FDHR, Survey No. 18022.

Today, much of the natural vegetation has been removed and the APE has been disturbed as the result of disturbances, which include but are not limited to, road construction, above ground and subsurface utilities, commercial/residential/recreational/agricultural development, water retention ponds, ditches, and spoil piles (**Photos 1-8**).

Photo 1. Northwest view of SMF 7A, relict agriculture fields.

Photo 2. Looking north at SMF 5A & 6A.

Photo 3. SMF 17(3) southwest quadrant of I-75 and College Avenue East; dense Brazilian Pepper.

Photo 4. Standing water in SMF 21A.

Photo 5. General view of SMF 32 & 33A.

Photo 6. Modern debris in FPC 29B.

Photo 7. Wetland depression in SMF 30(1), southeast quadrant of I-75 and Gibsonton Drive.

Photo 8. Existing pond in SMF 27 & 28A.

4. HISTORIC AND PREHISTORIC OVERVIEWS

In-depth historic and prehistoric overviews were included in the PD&E CRAS document submitted to and approved by the State Historic Preservation Office (SHPO) (Kammerer 2010) and are not repeated here because they are already in the DHR database (DHR Project File No. 2009-7635). Specifically, this report is: *A Cultural Resource Assessment Survey Project Development and Environment Study from Moccasin Wallow Road to South of US 301 Manatee and Hillsborough Counties (*ACI 2009; FDHR Survey No. 18022).

5. ARCHAEOLOGICAL AND HISTORICAL BACKGROUND

Prior to initiating the archaeological and historical survey of the preferred pond sites, ACI reviewed the CRAS and Preliminary Technical Memorandum for Proposed Stormwater Management Facilities from Moccasin Wallow Road to south of US 301 (ACI 2009, 2019). This review indicated that no NRHP listed or determined eligible cultural resources had been identified in the APE for this project. Other surveys and county-wide regional studies, conducted in and adjacent to the APE, were also reviewed (ACI 2001a, 2001b, 2001c, 2003, 2004a, 2004b, 2005; Ambrosino 2004; Austin and Ballo 1986; Ballo 1987; Carty 2005; Collins 2004; Deming 1980a, 1980b; Estabrook et al 1991; Estabrook 2001; Fuhrmeister 1992; Hughes 2006; Janus Research 2000, 2001, 2004a, 2004b, 2005a, 2005b, 2015, 2016; Miller 1979; Parks 2008; Stack 2017; Wayne 2019); these surveys indicated negative findings in the vicinity of this project's APE.

The background research also entailed a search of the computerized database at the FMSF and NRHP listings (conducted in August 2019), the Hillsborough County and Manatee County Soil Survey reports (USDA 1983, 1989), and a review of the United States Geological Survey (USGS) maps (USGS 1956a, 1956b, 1956c, 1956d, 1964, 1973), historic aerials (State of Florida 1843a, 1846, 1847a, 1847b, 1847c, 1852a, 1852b, 1852c), as well as the standard archaeological predictive model for the Central Peninsular Gulf Coast and Caloosahatchee archaeological regions (Milanich and Fairbanks 1980; Milanich 1994). This research revealed that that there are 46 previously recorded archaeological sites within one half mile of the APE and no previously recorded historic resources (50 years of age or older) identified within the historic APE. Of the 46 previously recorded archaeological sites, two sites are adjacent to three of the proposed SMF/FPC sites and four sites are partially within six of the proposed SMF/FPC sites (**Table 2; Figures 6-10**). These sites consist of lithic and artifact scatters and all have been determined not eligible for listing in the NRHP by the SHPO.

Historical data, including research at the Hillsborough County Property Appraiser's website (Hackney 2019; Henriquez 2019) indicated that no historic buildings or structures (50 years of age or older) were recorded previously within the APE and background research also indicated no potential for historic buildings or structures.

6. SURVEY METHODS AND CONSIDERATIONS

The FDHR's Module Three, Guidelines for Use by Historic Professionals, indicates that the first stage of archaeological field survey is a reconnaissance of the project area to "ground truth," or ascertain the validity of the predictive model (FDHR 2003). During this part of the survey, the researcher assesses whether the initial predictive model needs adjustment based on disturbance or conditions such as constructed features (i.e., parking lots, buildings, etc.), underground utilities, landscape alterations (i.e., ditches and swales, mined land, dredged and filled land, agricultural

fields), or other constraints that may affect the archaeological potential. Additionally, these Guidelines indicate that non-systematic "judgmental" testing may be appropriate in urbanized environments where pavement, utilities, and constructed features make systematic testing unfeasible; in geographically restricted areas such as proposed pond sites; or within project areas that have limited high and moderate probability zones, but where a larger subsurface testing sample may be desired. While predictive models are useful in determining preliminary testing strategies in a broad context, it is understood that testing intervals may be altered due to conditions encountered by the field crew at the time of survey.

Based upon the results of background research, all pond sites were assigned to low to moderate, moderate, moderate to high, or high zone of historic and prehistoric archaeological potential (ZAP) for site discovery (**Table 2**) during the preliminary pond review (ACI 2019). However, several of these were downgraded once the crew was in the field and could assess the actual field conditions. The potential for historic period archaeological sites was assessed on the basis of documentary research. Prehistoric sites, if found, were expected to be small, low artifact density lithic and/or artifact (ceramics and lithics) scatters. Based upon an examination of the nineteenth century federal surveyor's plat and field notes, no homesteads, forts, battle sites, military trails, or Native American (Seminole) encampments were expected.

Archaeological field survey included both ground surface reconnaissance and the systematic excavation of shovel test pits. Subsurface testing was conducted systematically at 25, 50, and 100 meter (m) intervals and judgmentally. Positive shovel tests were bounded at 10 m intervals. All shovel tests measured .5 m in diameter and most were dug to 1 m in depth unless impeded by water, gravel, or other impenetrable substrata. All recovered soil was screened through a .64 cm mesh hardware cloth to maximize the recovery of cultural materials, and, after soil stratigraphy was recorded, each test pit was refilled. The location of each shovel test was plotted on a GPS Juno 5 Series.

Historic/architectural field methodology consisted of a visual reconnaissance survey of the project APE to determine and verify the location of all buildings and other historic resources (i.e. bridges, roads, cemeteries) that are 50 years of age or older (built prior to 1969), and to establish if any such resources could be determined eligible for listing in the NRHP. If resources had been found, the field survey would have focused on the assessment of existing conditions for all previously recorded historic resources located within the project APE, and the presence of unrecorded historic resources within the APE.

Laboratory Procedures and Curation: The one located artifact was cleaned and subjected to a limited technological analysis. All project related information will be housed at Archaeological Consultants, Inc., in Sarasota (Project file #P17097), pending transfer to a FDOT-designated repository for permanent storage and curation.

Unexpected Discoveries: In the unlikely event that human remains are encountered during the course of project development, the procedures outlined in Chapter 872, *FS* will be followed. All activities in the immediate vicinity of the discovery will be suspended, and the FDOT, District Seven, Environmental Administrator will be contacted. A professional archaeologist will also be contacted to evaluate the importance of the discovery. The area will be examined by the archaeologist, who, in consultation with staff of the FDOT and SHPO will determine if the discovery is significant or potentially significant. In the event the discovery is found to be not significant, the work may immediately resume. If, on the other hand, the discovery is found to be significant or potentially significant, then project development activities in the immediate vicinity of the discovery will continue to be suspended until such time as a mitigation plan acceptable to the SHPO.

7. SURVEY RESULTS

Archaeological: Field survey resulted in the excavation of 252 shovel tests placed within 52 of the 55 pond sites; these were placed systematically and judgmentally. One of the non-tested ponds is an existing pond (SMF 27A & 28A) and the other two ponds were not tested (FPC 27A and SMF 29B) due to access issues. The distribution of the shovel test pits is noted in **Table 2** and **Figures 11-26**. No evidence of any previously recorded site within or adjacent to the APE was found. Only one artifact was located, a single flake. This flake is referred to as an AO which is defined by the FMSF as "the presence of one or two nondiagnostic artifacts, not known to be distant from their original context which fit within a hypothetical cylinder of 30 meters diameter regardless of depth below surface." Thus, occurrences are not recorded as sites but the presence of the artifact indicates prehistoric activity in the area.

All shovel tests had variable stratigraphy and most evidenced disturbance. Soils in the ponds that had a more upland environment had a general stratigraphy of 0-30 cm of grey sand, 30-60 cm of light brown sand, and 60-100 cm of dark brown sand, with water sometimes encountered as shallow as 50 cm (**Photo 9**). Some of the ponds on the lower lying elevations contained standing water (**Photo 10**). In other pond sites, water was encountered from 50 to approximately 80 cm with stratigraphy averaging 0-50 cm of grey/brown sand followed by grey or mucky black soil. A reasonable and good faith effort was made per the regulations laid out in 36 CFR § 800.4(b)(1) (Advisory Council on Historic Preservation n.d.) to survey all areas of the project APE.

Photo 9. Typical soil stratigraphy of ponds located in an upland environment.

Photo 10. Soil stratigraphy found in shovel tests in pond sites that were low lying.

AO#1 is located north of the Alafia River in SMF 32 & 33A (**Figure 25**). The single artifact, a large sized (2-3 cm), thermally altered, non-decortication chert flake, recovered at a depth of 90 cm below surface (bs). The stratigraphy of the single positive test consists of 0-60 cmbs of dark gray/brown sand that was mottled followed by 60 to 100 cmbs of light brown sand; water entered at 100 cmbs. The area consists of mixed hardwoods and weeds. The AO was found during 50 m interval tests and no artifacts were found in the additional nine tests at 10, 12.5 and 25 m intervals around the positive test. Due to its low research potential, it is not considered eligible for listing in the NRHP.

Table 2. Archaeological and historic data.

SMF/ FPC	ZAP*	Comments (i.e. soils, vegetation, drainage, previously recorded sites, etc.)
SMF-1C	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; 8 test pits, negative
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
FPC-1C	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; 3 test pits, negative
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-2B	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; on uplands adjacent to freshwater; 3 test pits, negative; plowed field
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-3A	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; on uplands adjacent to freshwater; 2 test pits, negative; overgrown field
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE

SMF/ FPC	ZAP*	Comments (i.e. soils, vegetation, drainage, previously recorded sites, etc.)
FPC-3A	Low-Moderate	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; partially upland from freshwater; 7 test pits negative; plowed field
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-4A	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; on uplands from freshwater; 4 test pits, negative; plowed field
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-5A&6A	Moderate-High	Prehistoric Archaeological: no previously recorded sites within APE; 8MA00136 adjacent; 8 test pits, negative
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
FPC-5A&6A	Moderate - High	Prehistoric Archaeological: no previously recorded sites within APE; 8MA00136 adjacent; 10 test pits, negative
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-7A	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; on uplands from Curiosity Creek; 1 test pit, negative; plowed field
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
FPC-7A	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; on uplands from Curiosity Creek; 3 test pits, negative; plowed field
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-8A	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE on uplands adjacent to relic sinks; 2 test pits, negative; plowed field
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-9A	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; on uplands from Curiosity Creek; 2 test pits, negative; between ditch and retention pond
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-10A &11B	High	Prehistoric Archaeological: no previously recorded sites within; on uplands south of the Manatee River and in vicinity of previously recorded sites; 18 test pits, negative; open field with weeds
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-12 (has 2 parts)	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; 5 test pits, negative; existing rest area
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-13A	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; 3 test pits, negative; agricultural use of area
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE

SMF/ FPC	ZAP*	Comments (i.e. soils, vegetation, drainage, previously recorded sites, etc.)
SMF-14B &15B	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; 6 test pits, negative; partially wooded area with standing water
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
FPC-14B &15B	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; 4 test pits, negative; partially wooded
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-16A	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; on uplands from freshwater; 3 test pits, negative
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
FPC-17B	Moderate	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; on uplands from freshwater; 6 test pits, negative; partially cleared, pvc pipes near surface
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-17(1)	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; on uplands between two freshwater sources; 3 test pits, negative; in interchange with standing water
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-17(2)	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; on uplands between two freshwater sources; 3 test pits, negative; in interchange with standing water
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-17(3)	Moderate	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; on uplands between two freshwater sources; 4 test pits, negative, in interchange with dense Brazilian Pepper
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-17(4)	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; on uplands between two freshwater sources; 3 test pits, negative; in interchange
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-18(1)	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; 2 test pits, negative, in interchange
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-18(2)	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; on uplands from freshwater; 4 test pits, negative
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
FPC-18A	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; 2 test pits, negative; land altered, area adjacent to I-75 entrance ramp
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE

SMF/ FPC	ZAP*	Comments (i.e. soils, vegetation, drainage, previously recorded sites, etc.)
SMF-19B	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; on uplands from freshwater; 4 test pits, negative
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
FPC-19B	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; on uplands from freshwater; 2 test pits, negative
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-20A	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; 3 test pits, negative; wooded with standing water
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-21A	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; 3 test pits, negative; wooded with standing water
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-22A	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; upland from freshwater; 3 test pits, negative
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-23A &24A	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; upland from Bullfrog Creek; 4 test pits, negative; standing water
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
FPC-24A	Moderate	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; upland from Bullfrog Creek; 6 test pits, negative; contains standing water
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-25 (has 4 parts)	Moderate-High	Prehistoric Archaeological: upland from Bullfrog Creek; portion of 8HI00532 immediately adjacent; area of high probability (ACI 2009); total 30 test pits, negative; disturbed in interchange
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-26B	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; upland from Bullfrog Creek; 7 test pits, negative; trailer lot, sand/shell driveway
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
FPC-26B	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; upland from Bullfrog Creek; 1 test pit, negative; residence, underground utilities
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE

SMF/ FPC	ZAP*	Comments (i.e. soils, vegetation, drainage, previously recorded sites, etc.)
SMF-27A & 28A	Low	Prehistoric Archaeological: upland from Bullfrog Creek; 8HI07699 partially within; 0 test pits; area is an existing pond
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
FPC-27A	Low-Moderate	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; upland from Bullfrog Creek; 0 test pits, no access; "Sniper" warning sing on entrance gate
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
FPC-28A	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; upland from Bullfrog Creek; 2 test pits, negative
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-29B	Low	Prehistoric Archaeological: upland from Bullfrog Creek; 8HI11359 partially within; 0 shovel tests; no access, electric fence, locked gate, no trespassing sign; visual observation: area disturbed due to pasture, dirt piles, machinery, ruts in land, therefore downgraded
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
FPC-29B	High	Prehistoric Archaeological: upland from Bullfrog Creek; 8HI00409 partially within; 9 test pits, negative; standing water and garbage
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-30(1)	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; on uplands south of the Alafia River; 5 test pits, negative; depression in center, spoil in the NE, within interchange
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-30(2)	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; on uplands south of the Alafia River; 3 test pits, negative; in interchange and most of area is an existing pond
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
FPC-30A	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; upland from Bullfrog Creek; 3 test pits, negative; disturbed (maintained lot, exotic vegetation)
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-31(1)	Low-Moderate	Prehistoric Archaeological: on uplands south of the Alafia River; 8HI00478 partially within; 9 test pits, negative; in interchange, disturbed (ditch, spoil piles, modern debris)
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE

SMF/ FPC	ZAP*	Comments (i.e. soils, vegetation, drainage, previously recorded sites, etc.)
SMF-31(2)	Low-Moderate	Prehistoric Archaeological: on uplands south of the Alafia River; 8HI00478 partially within; 8 test pits, negative; in interchange, disturbed (existing pond, ditch, exotic vegetation)
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-32A & 33A	Moderate	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; uplands from the Alafia River; 10 total test pits, 1 positive of one lithic flake
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-34B	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; 2 test pits, negative; contained some standing water and adjacent to powerline corridor
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
FPC-34A & 35A	Moderate-High	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; partial area of high probability (ACI 2009); 9 test pits, negative; standing water and hardwoods
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-35A	High	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; area of high probability (ACI 2009); 6 test pits, negative; standing water and hardwoods
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE
SMF-36A	Low	Prehistoric Archaeological: no previously recorded sites within or adjacent to APE; 3 test pits, negative; wooded area with some standing water
	Low	Historic Archaeological: no previously recorded sites within or adjacent to APE
	Low	Historical: no previously recorded resources within or adjacent to APE

* Zone of Archaeological Potential
Blue shading represents archaeological sites adjacent to ponds and green shading denotes ponds containing portions of archaeological sites.

Historical: As a result of the historical survey, no historic buildings or structures were identified within the historic resources APE.

8. CONCLUSIONS

As a result of this archaeological testing, no sites were found and no additional archaeological testing is recommended. In addition, no historic buildings or structures were located. In summary, this undertaking will have no effect on any cultural resources, including archaeological sites and historic resources, which are listed, determined eligible, or appear to be eligible for listing in the NRHP.

Figure 11. Approximate location of shovel tests within the APE.

Figure 12. Approximate location of shovel tests within the APE.

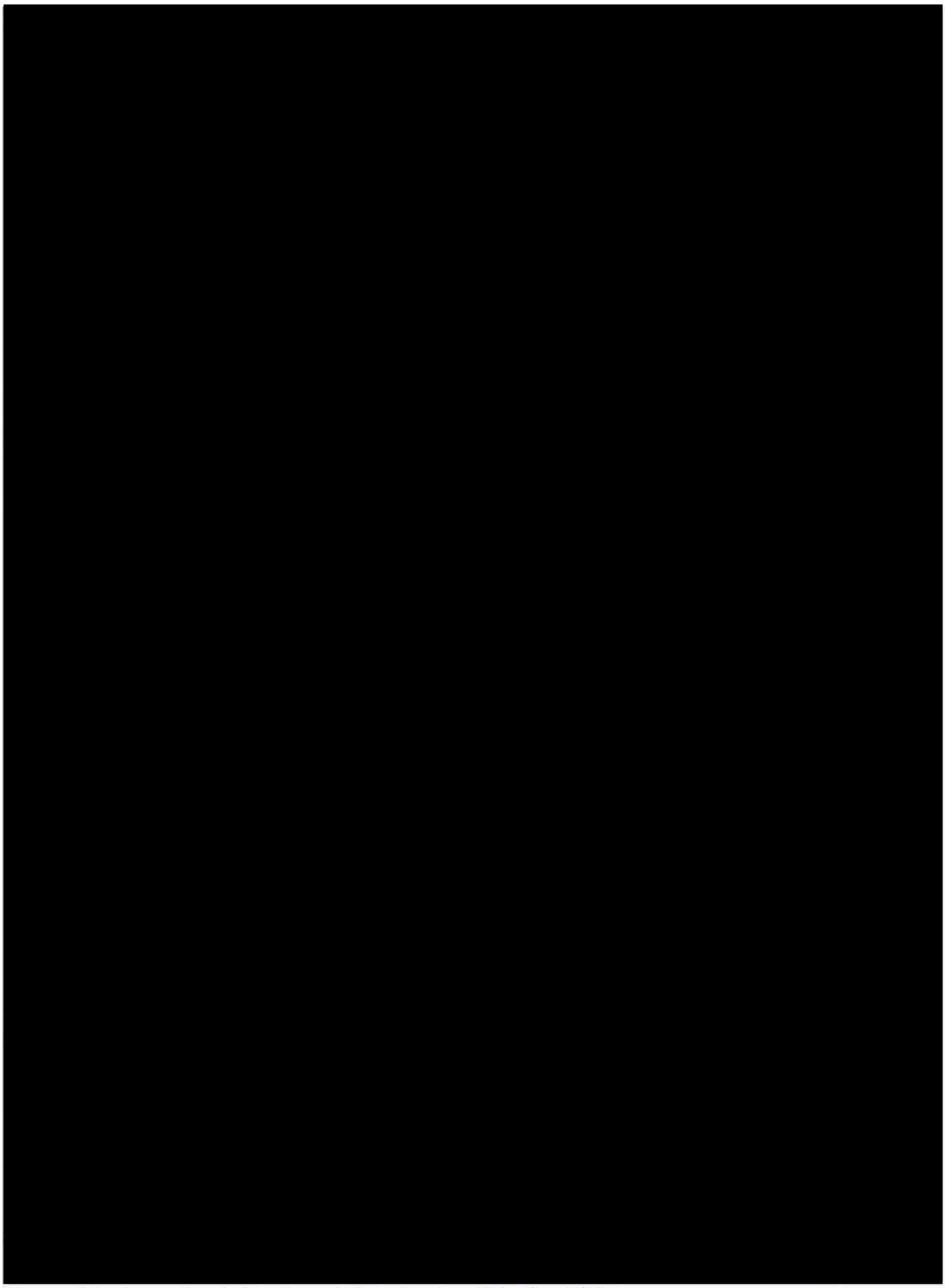

Figure 13. Approximate location of shovel tests within the APE.

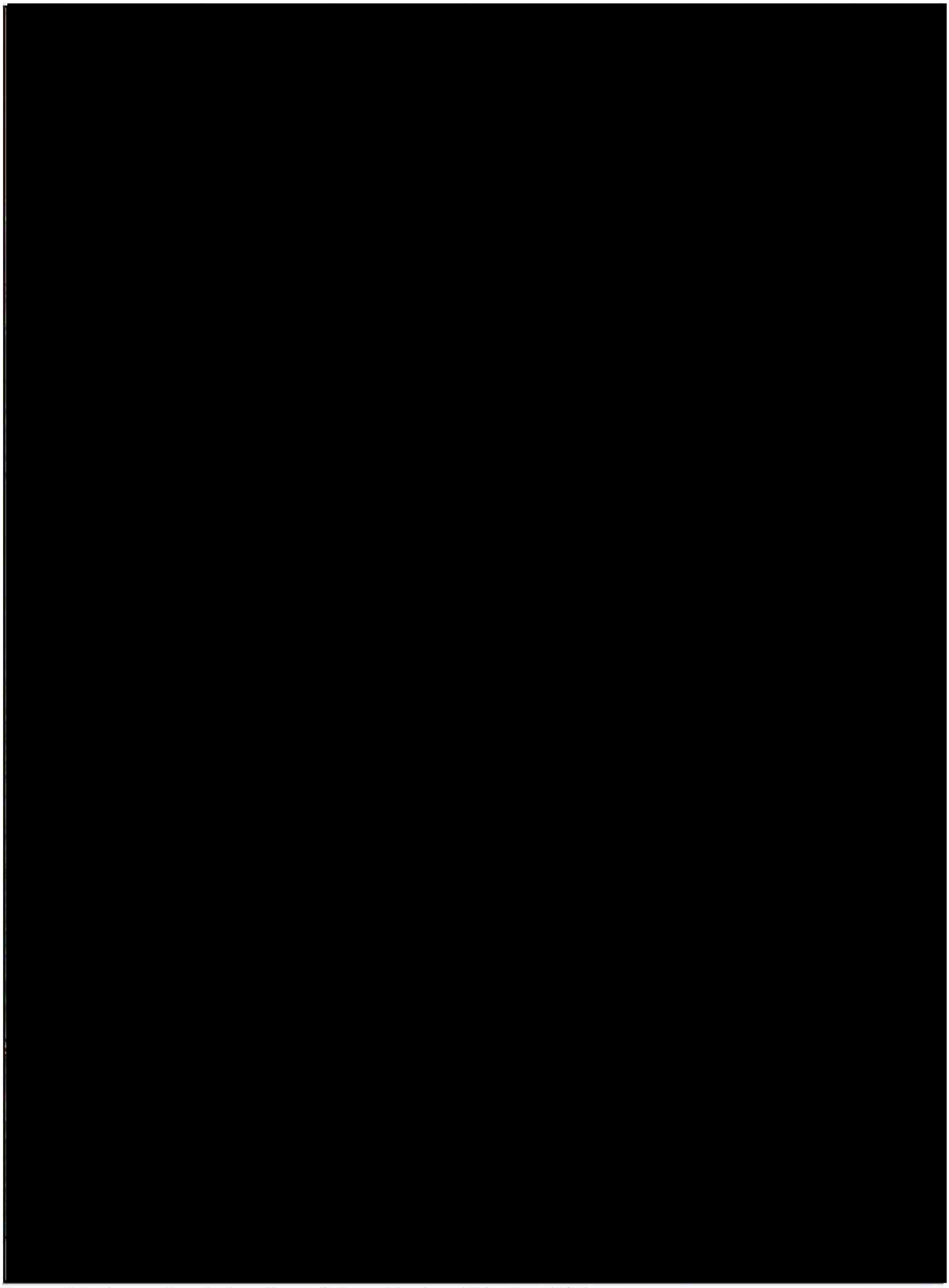

Figure 14. Approximate location of shovel tests within the APE.

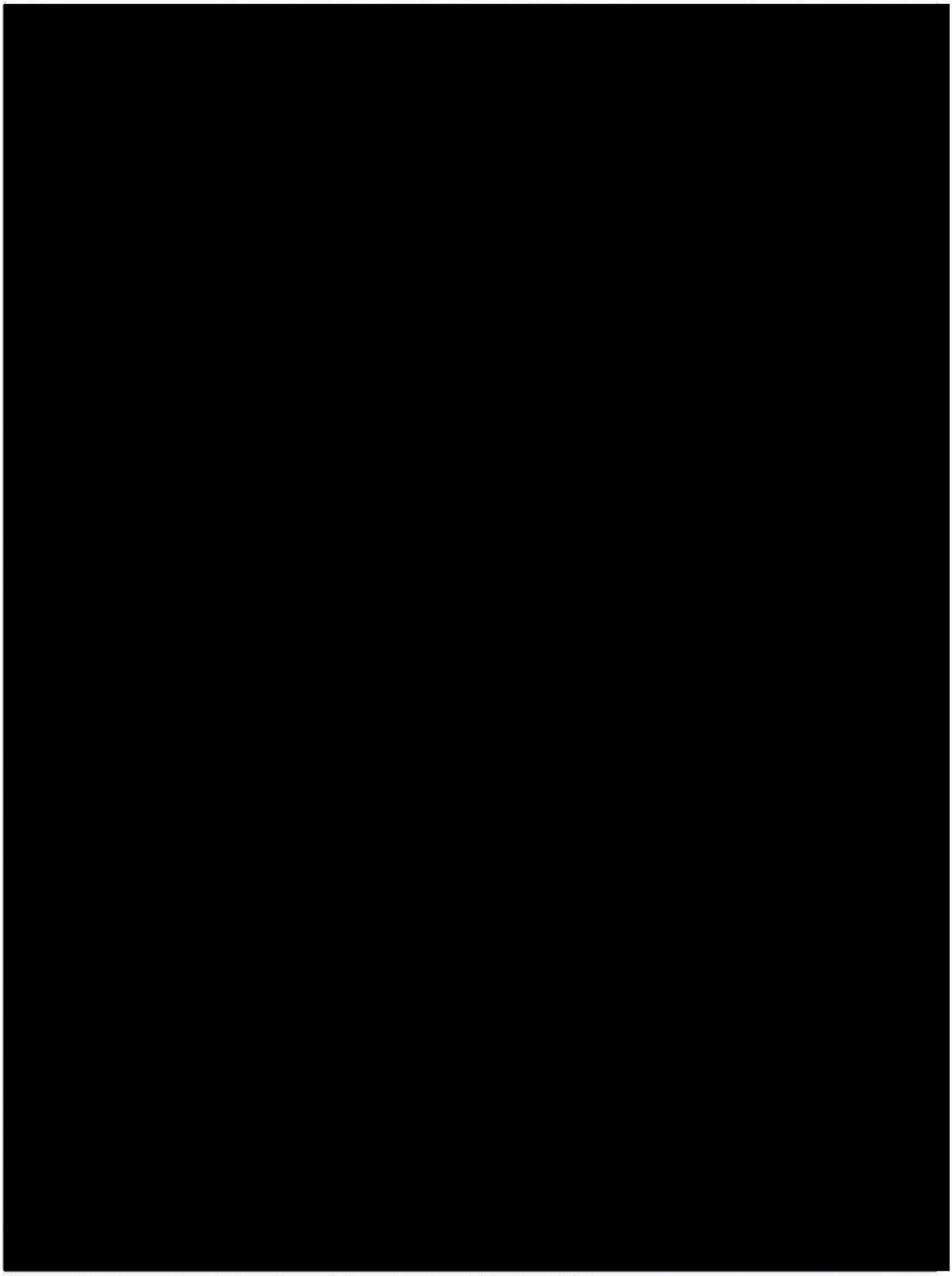

Figure 15. Approximate location of shovel tests within the APE.

Figure 16. Approximate location of shovel tests within the APE.

Figure 17. Approximate location of shovel tests within the APE.

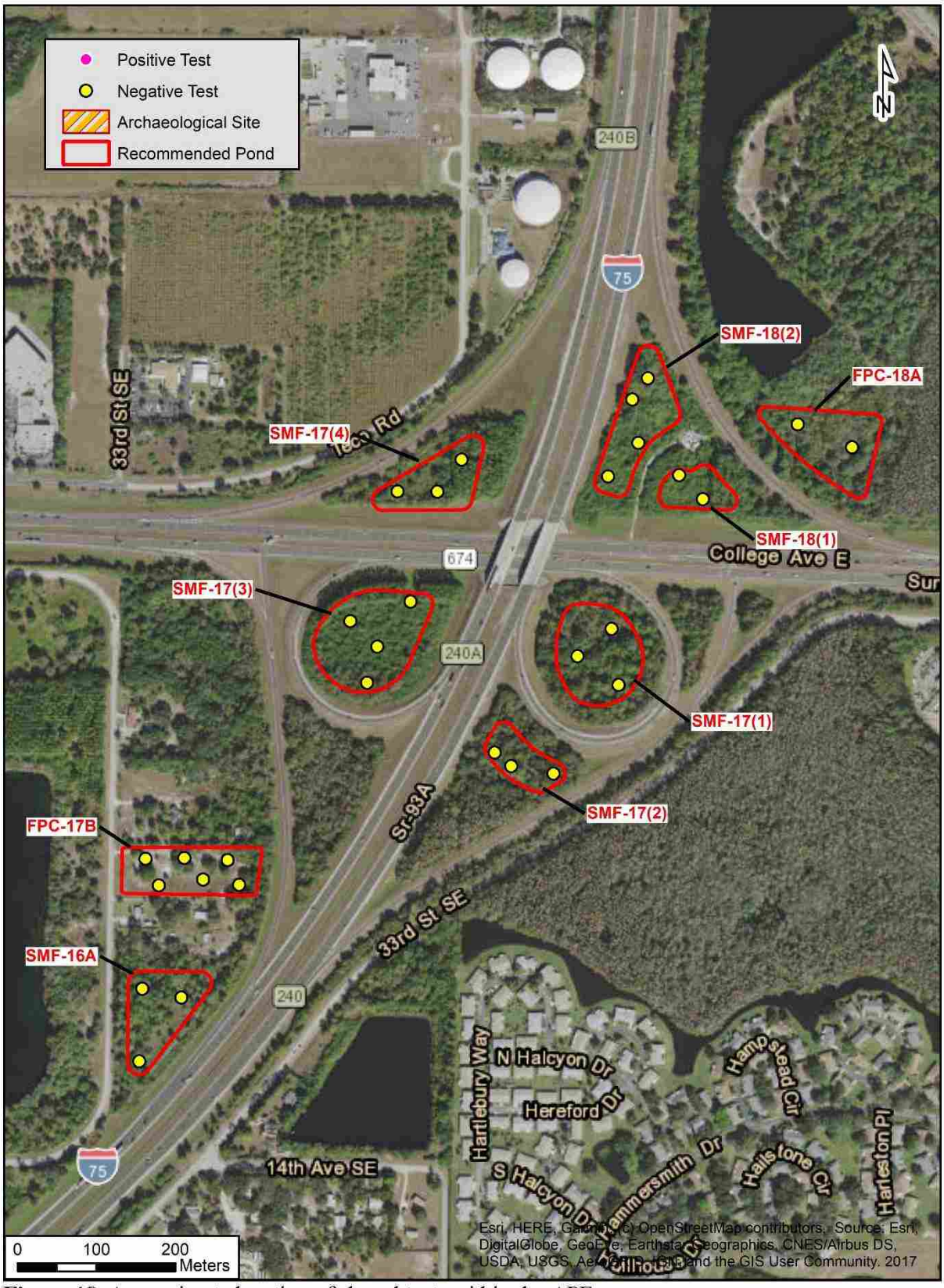

Figure 18. Approximate location of shovel tests within the APE.

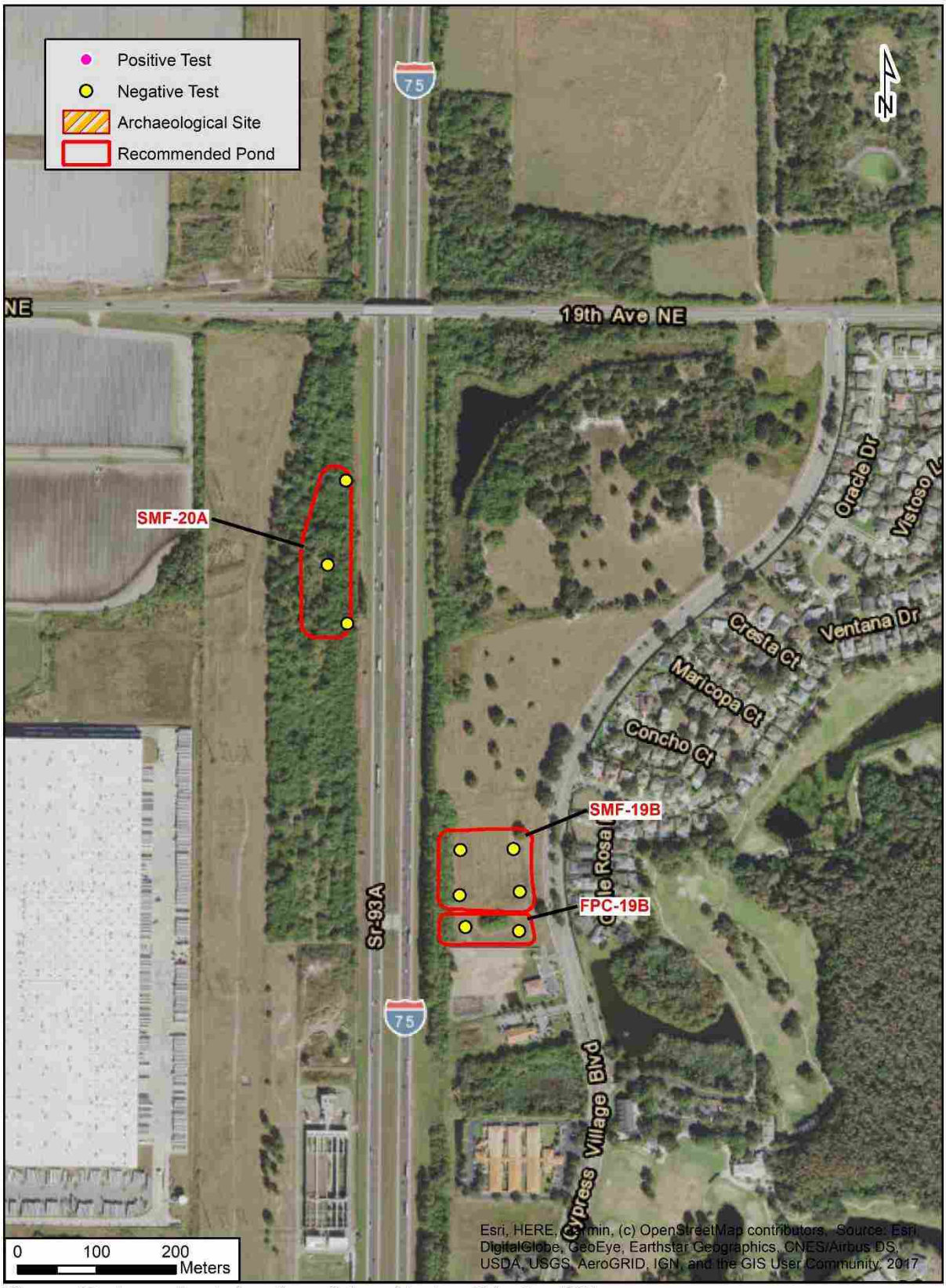

Figure 19. Approximate location of shovel tests within the APE.

Figure 20. Approximate location of shovel tests within the APE.

Figure 21. Approximate location of shovel tests within the APE.

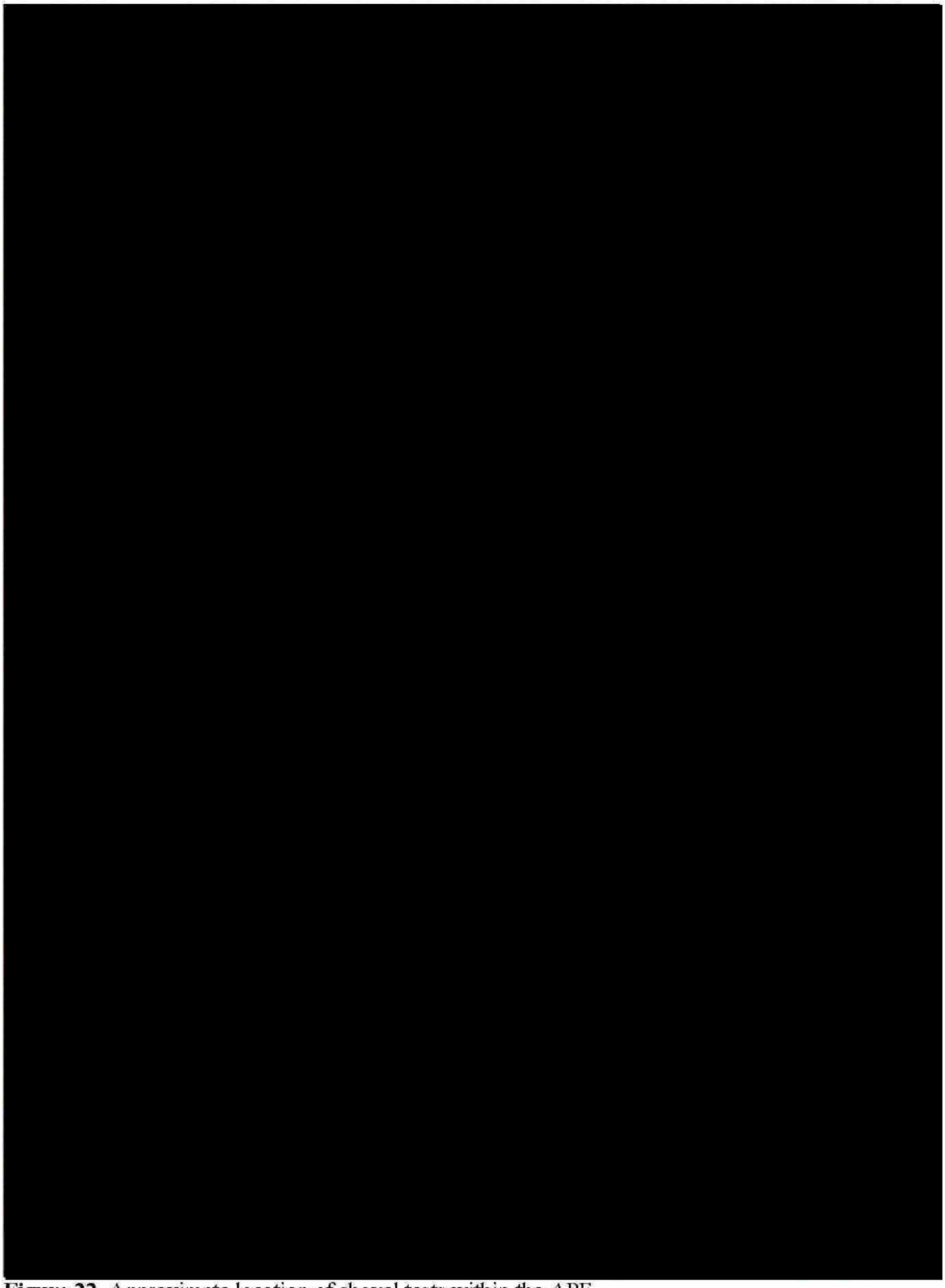

Figure 22. Approximate location of shovel tests within the APE.

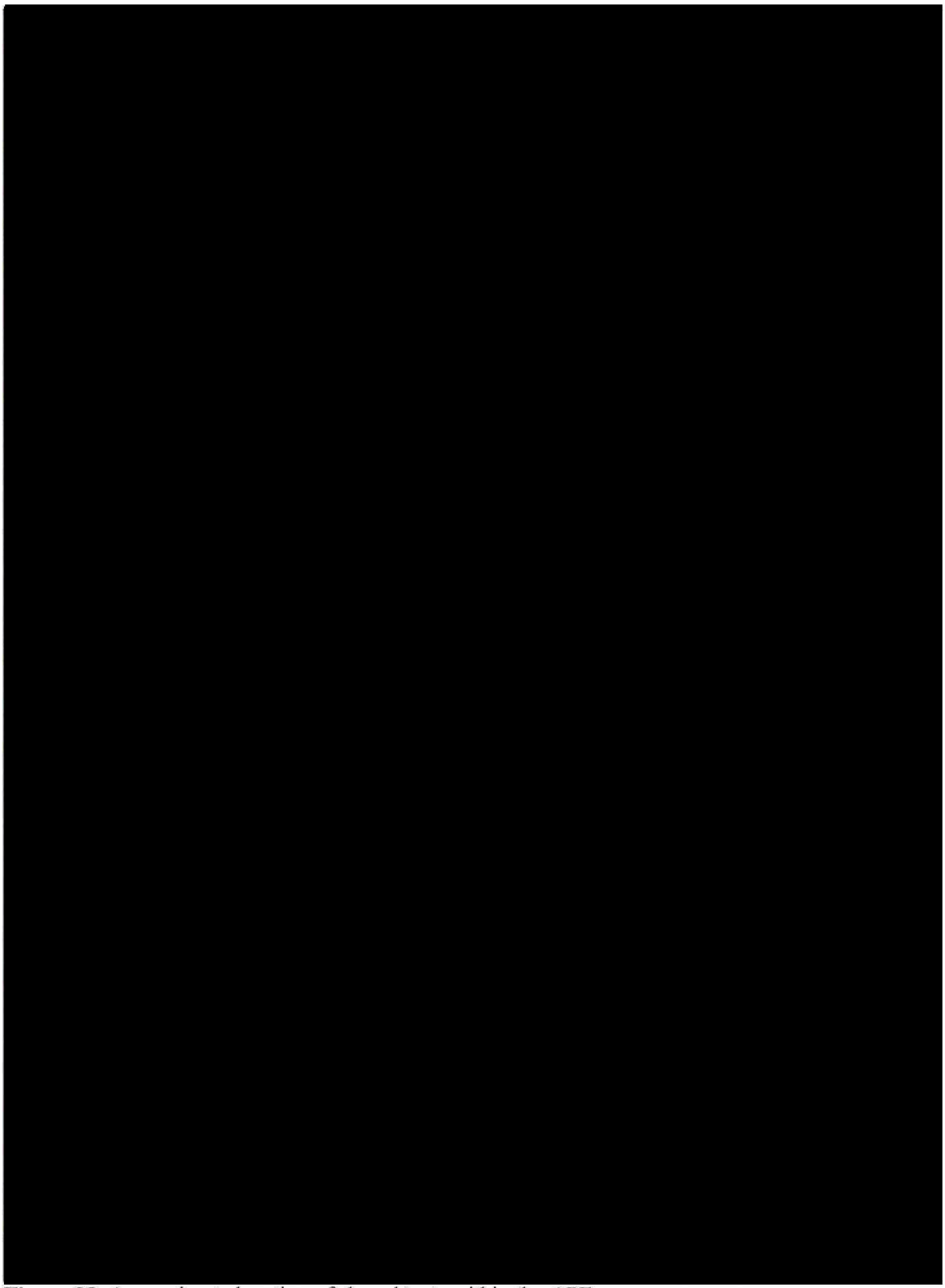

Figure 23. Approximate location of shovel tests within the APE.

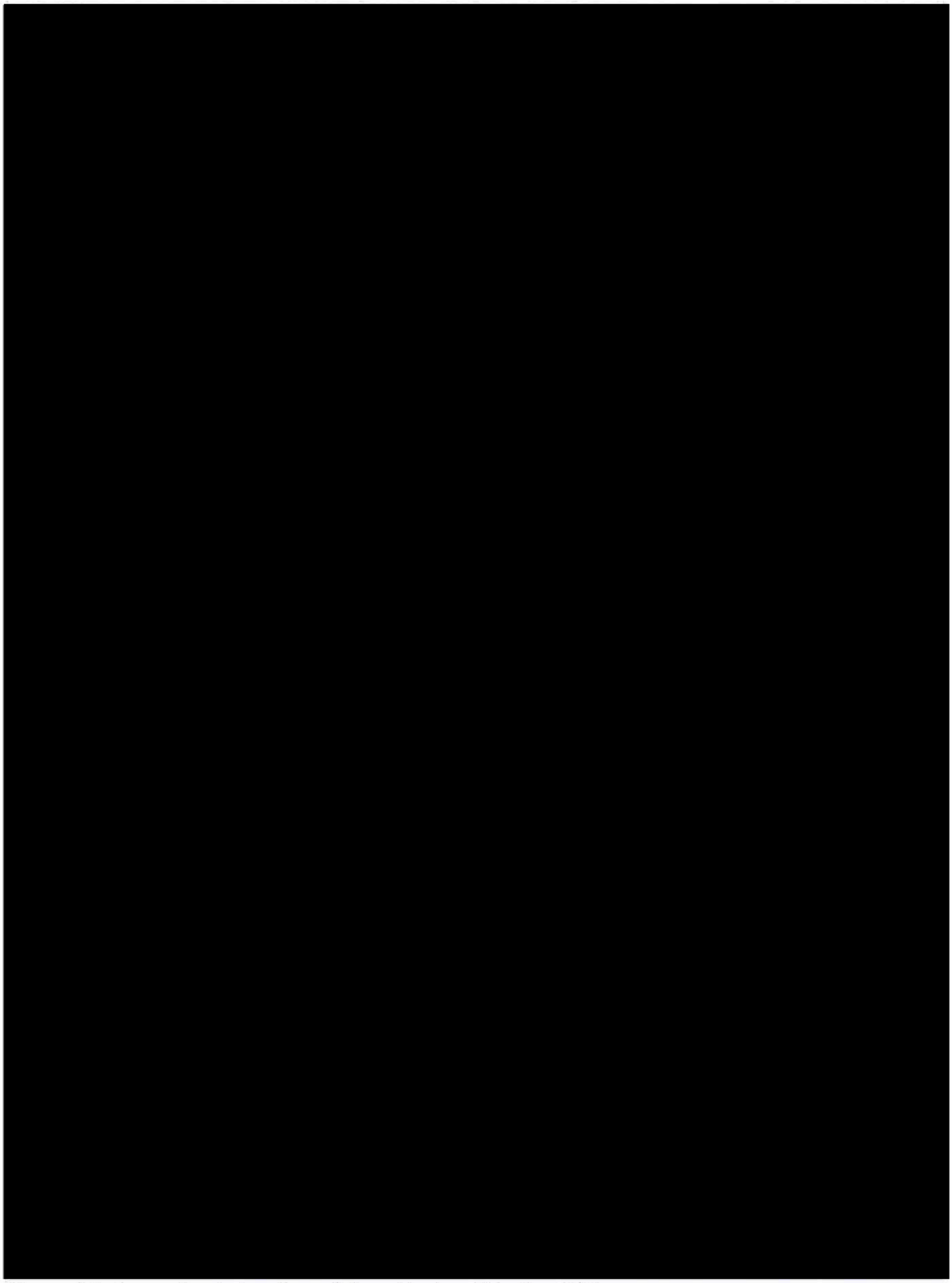

Figure 24. Approximate location of shovel tests within the APE.

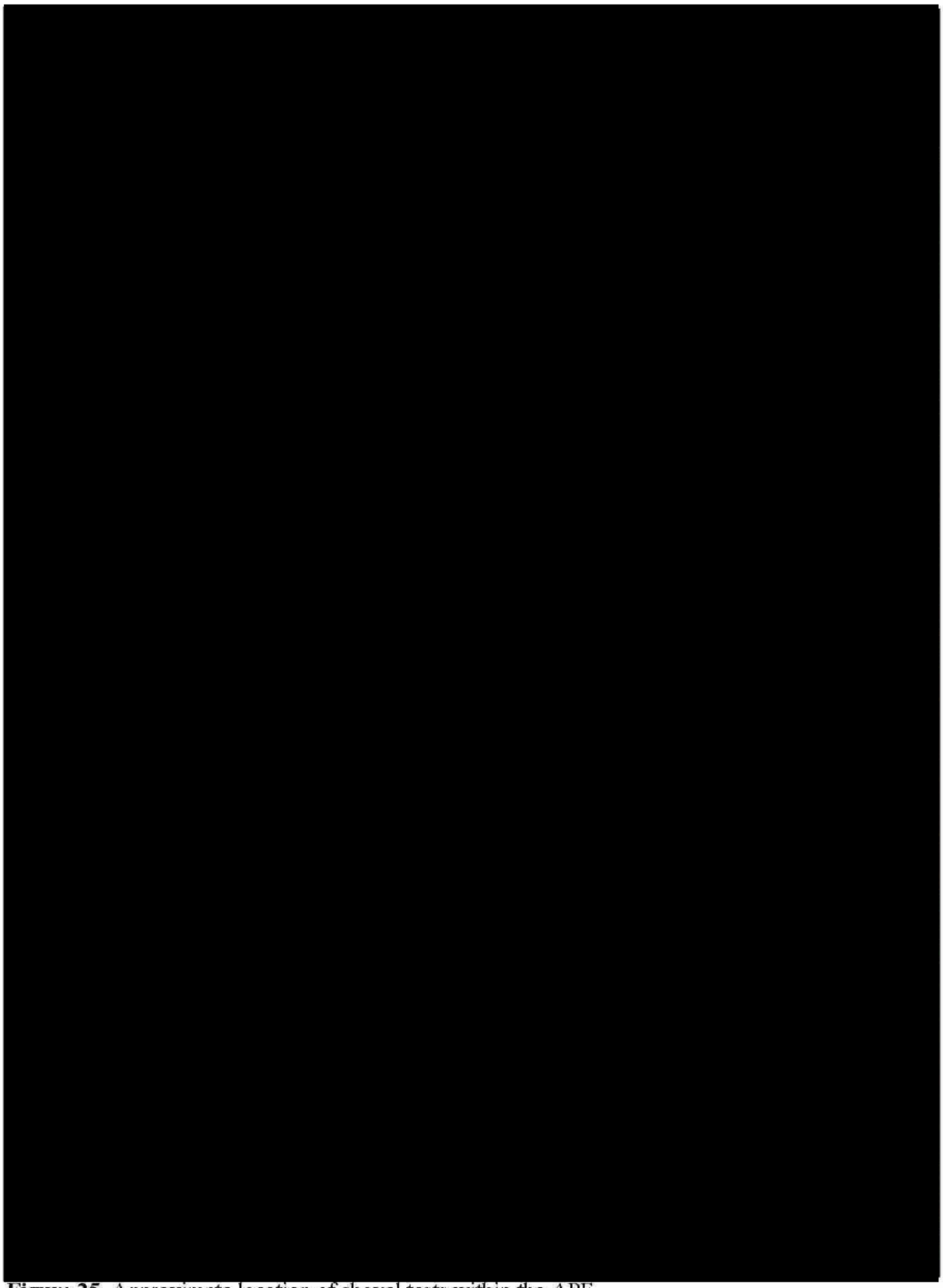

Figure 25. Approximate location of shovel tests within the APE.

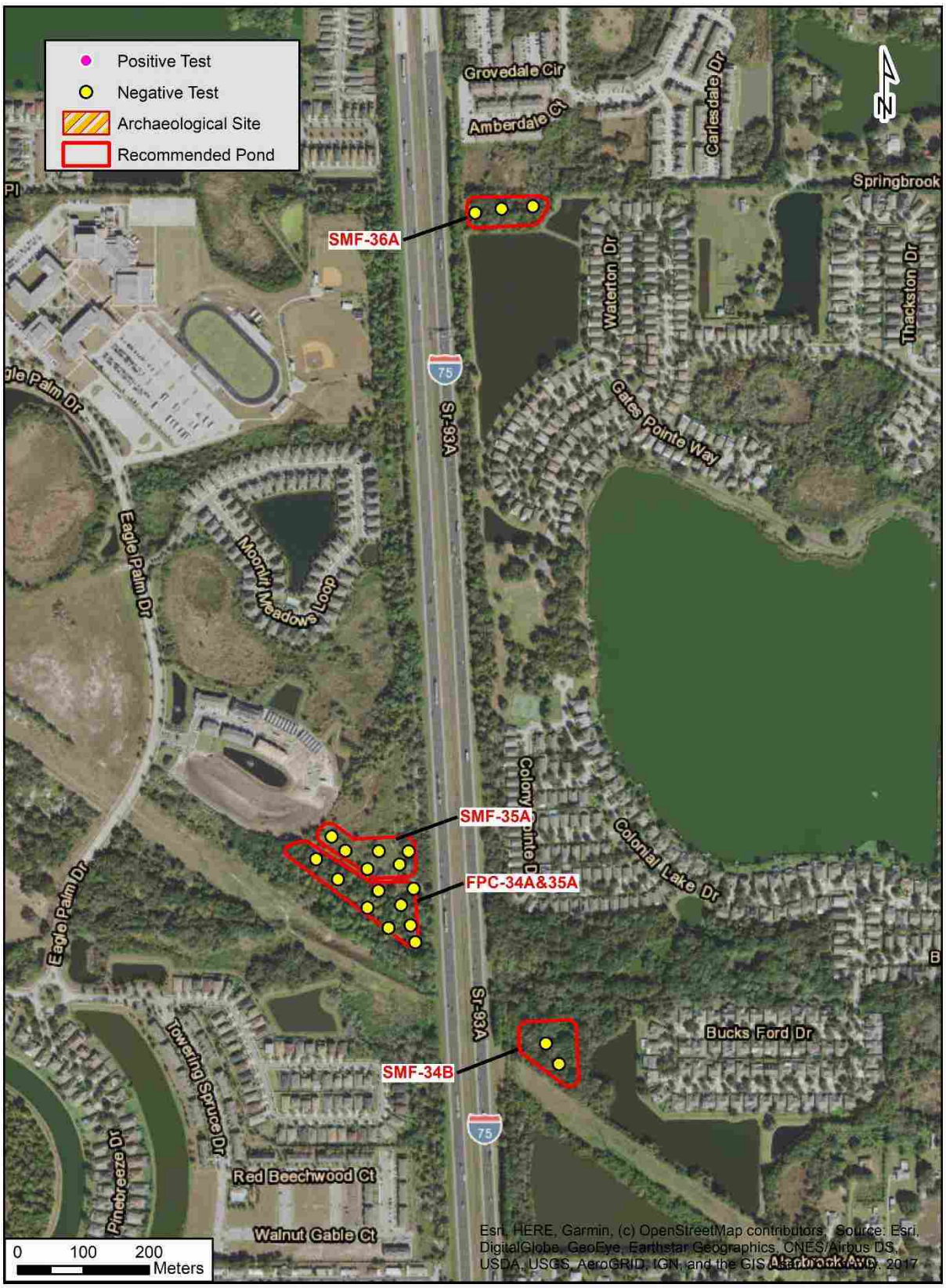

Figure 26. Approximate location of shovel tests within the APE.

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1847c *Plat Map. Township 32 South, Range 19 East.* S. Reid.
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1852b *Plat Map. Township 30 South, Range 19 East.* C. F. Hopkins.
1852c *Plat Map. Township 30 South, Range 20 East.* A. M. Randolph and C. F. Hopkins.

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1956d Ruskin, Fla. PR 1987.
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1973 Parrish, Fla.

APPENDIX A: Survey Log

Clear Form Values

Ent D (FMSF only) 9-29-2020

Survey Log Sheet

Florida Master Site File
Version 5.0 3/19

Survey # (FMSF only) 27062

Consult ***Guide to the Survey Log Sheet*** for detailed instructions.

Manuscript Information

Survey Project (name and project phase)

CRAS I-75 (SR 93A) SMF and FPC Sites, Hillsborough and Manatee Counties, Florida

Report Title (exactly as on title page)

Cultural Resource Assessment Survey Technical Memorandum Stormwater Management Facilities (SMF) & Floodplain Compensation (FPC) Sites,I-75 (SR 93A) from Moccasin Wallow Rd to South of US 301, Hillsborough & Manatee Counties, FL FPID No. 419235-2-22-01

Report Authors (as on title page) 1. Marion Almy 2. Lee Hutchinson 3. Kimberly Irby 4.

Publication Year 2019 **Number of Pages in Report** (do not include site forms) 49

Publication Information (Give series, number in series, publisher and city. For article or chapter, cite page numbers. Use the style of *American Antiquity*.)

ACI, Sarasota, 2019 P17097

Supervisors of Fieldwork (even if same as author) Names Marion Almy

Affiliation of Fieldworkers: Organization Archaeological Consultants Inc City Sarasota

Key Words/Phrases (Don't use county name, or common words like *archaeology, structure, survey, architecture, etc.*)

1. I-75 2. 3. 4. 5. 6. 7. 8.

Survey Sponsors (corporation, government unit, organization, or person funding fieldwork) Clear Sponsor Values

Name Organization Florida Dept of Transportation - District 7

Address/Phone/E-mail 11201 North McKinley Drive Tampa, Florida 33612-6456

Recorder of Log Sheet Lee Hutchinson **Date Log Sheet Completed** 10-30-2019

Is this survey or project a continuation of a previous project? ☒ No ☐ Yes: Previous survey #s (FMSF only)

Project Area Mapping

Clear Mapping Values

Counties (select every county in which field survey was done; attach additional sheet if necessary)

1. Manatee 2. Hillsborough 3. 4. 5. 6.

USGS 1:24,000 Map Names/Year of Latest Revision (attach additional sheet if necessary)

1. Name BRANDON Year 1956
2. Name GIBSONTON Year 1956
3. Name RIVERVIEW Year 1956
4. Name RUSKIN Year 1956
5. Name PALMETTO Year 1964
6. Name PARRISH Year 1973

Field Dates and Project Area Description

Fieldwork Dates: Start 8-26-2019 End 9-13-2019 **Total Area Surveyed** (fill in one) _____ hectares 200.00 acres

Number of Distinct Tracts or Areas Surveyed 52

If Corridor (fill in one for each) **Width:** _____ meters _____ feet **Length:** _____ kilometers _____ miles

Florida Master Site File / Div. of Historical Resources / R.A. Gray Bldg / 500 S Bronough St., Tallahassee, Florida 32399-0250
Phone 850.245.6440, Fax 850.245.6439, Email: SiteFile@dos.myflorida.com

Survey Log Sheet

Survey # 27062

Research and Field Methods

Types of Survey (select all that apply): ☒ archaeological ☒ architectural ☒ historical/archival ☐ underwater ☐ damage assessment ☐ monitoring report ☐ other (describe): _____

Scope/Intensity/Procedures

background research; 252 shovel tests placed within 52 of the 55 pond sites (systematically and judgmentally); CRAS report prepared

Preliminary Methods (select as many as apply to the project as a whole)

☐ Florida Archives (Gray Building)	☐ library research- *local public*	☒ local property or tax records	☒ other historic maps	☐ LIDAR
☐ Florida Photo Archives (Gray Building)	☐ library-special collection	☐ newspaper files	☒ soils maps or data	☐ other remote sensing
☒ Site File property search	☒ Public Lands Survey (maps at DEP)	☒ literature search	☒ windshield survey	
☒ Site File survey search	☐ local informant(s)	☐ Sanborn Insurance maps	☒ aerial photography	

☐ other (describe): _____

Archaeological Methods (select as many as apply to the project as a whole)

☐ Check here if **NO** archaeological methods were used.

☐ surface collection, controlled	☐ shovel test-other screen size	☐ block excavation (at least 2x2 m)	☐ metal detector
☐ surface collection, uncontrolled	☐ water screen	☐ soil resistivity	☐ other remote sensing
☒ shovel test-1/4" screen	☐ posthole tests	☐ magnetometer	☒ pedestrian survey
☐ shovel test-1/8" screen	☐ auger tests	☐ side scan sonar	☐ unknown
☐ shovel test 1/16" screen	☐ coring	☐ ground penetrating radar (GPR)	
☐ shovel test-unscreened	☐ test excavation (at least 1x2 m)	☐ LIDAR	

☐ other (describe): _____

Historical/Architectural Methods (select as many as apply to the project as a whole)

☐ Check here if **NO** historical/architectural methods were used.

☐ building permits	☐ demolition permits	☐ neighbor interview	☐ subdivision maps
☐ commercial permits	☒ windshield survey	☐ occupant interview	☐ tax records
☐ interior documentation	☒ local property records	☐ occupation permits	☐ unknown

☐ other (describe): _____

Survey Results

Resource Significance Evaluated? ☐ Yes ☒ No Clear Check Boxes

Count of Previously Recorded Resources 0 **Count of Newly Recorded Resources** 0

List Previously Recorded Site ID#s with Site File Forms Completed (attach additional pages if necessary)

List Newly Recorded Site ID#s (attach additional pages if necessary)

Site Forms Used: ☒ Site File Paper Forms ☐ Site File PDF Forms

REQUIRED: Attach Map of Survey or Project Area Boundary

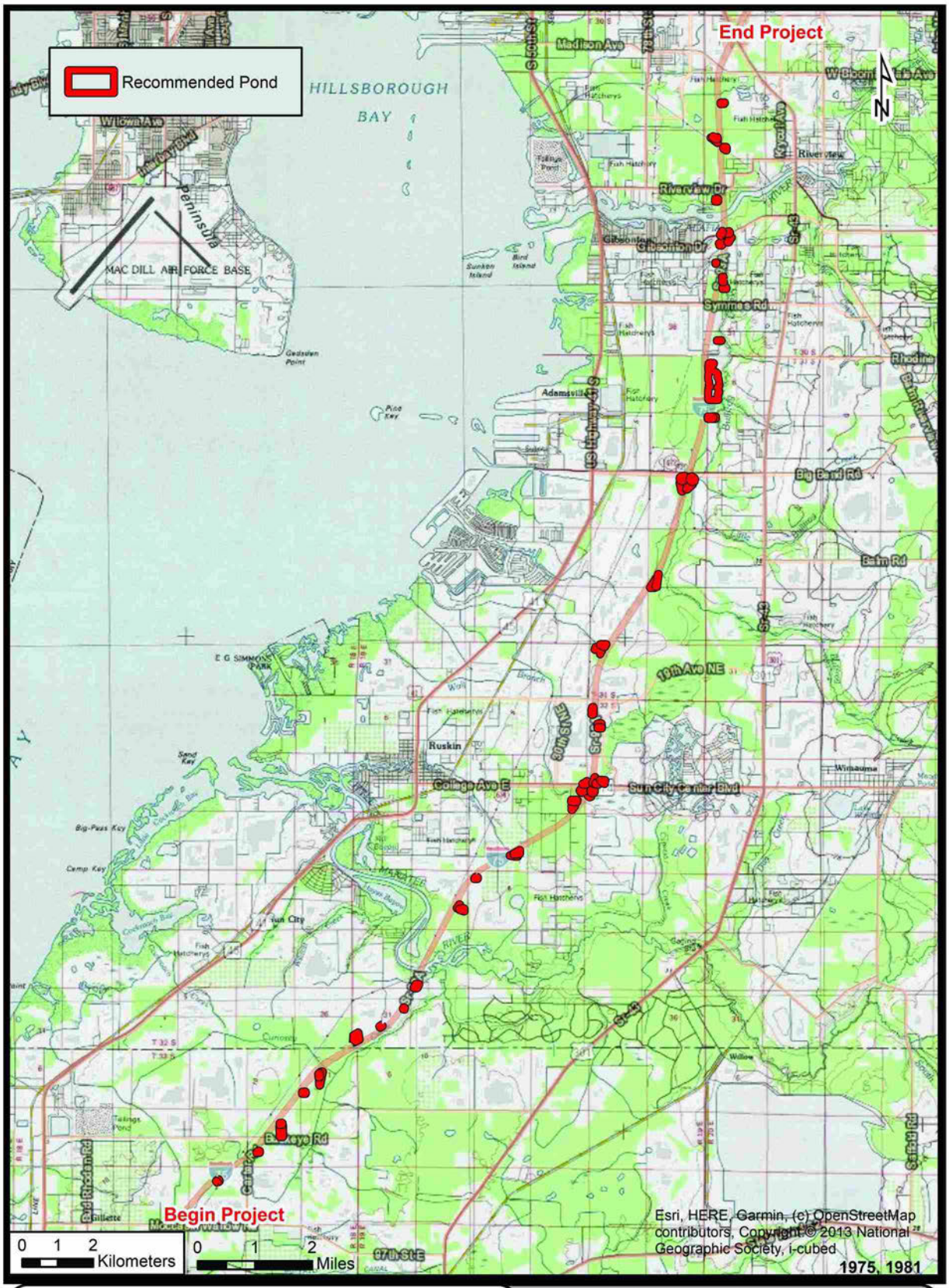
SHPO USE ONLY **SHPO USE ONLY** **SHPO USE ONLY**

Origin of Report: ☐ 872 ☐ Public Lands ☐ UW ☐ 1A32 # _____ ☐ Academic ☒ Contract ☐ Avocational ☐ Grant Project # _____ ☐ Compliance Review: CRAT # _____

Type of Document: ☒ Archaeological Survey ☒ Historical/Architectural Survey ☐ Marine Survey ☐ Cell Tower CRAS ☐ Monitoring Report ☐ Overview ☐ Excavation Report ☐ Multi-Site Excavation Report ☐ Structure Detailed Report ☐ Library, Hist. or Archival Doc ☐ Desktop Analysis ☐ MPS ☐ MRA ☐ TG ☐ Other: _____

Document Destination: Plottable Projects **Plotability:** YES, Based on Map

Florida Master Site File / Div. of Historical Resources / R.A. Gray Bldg / 500 S Bronough St., Tallahassee, Florida 32399-0250
Phone 850.245.6440, Fax 850.245.6439, Email: SiteFile@dos.myflorida.com



SMF & FPC Sites, I-75 from Moccasin Wallow Rd. to US 301
Township 30 South, Range 20 East, Township 31 South, Range 19 East, Township 32 South, Range 19 East, and Township 33 South, Range 18 East
USGS Palmetto, Parrish, Ruskin, Gibsonton, Riverview, and Brandon
Hillsborough and Manatee Counties

CRAS Technical Memorandum
Stormwater Management Facilities & Floodplain Compensation Sites, I-75 from Moccasin Wallow Road to South of US 301
Hillsborough and Manatee Counties, Florida,
FPID No.: 419235-2-22-01