

**APPENDIX F**  
**CULTURAL RESOURCES**

# ACRONYMS, ABBREVIATIONS, AND SYMBOLS

<b>7SFG(A)</b>	7 <sup>th</sup> Special Forces Group (Airborne)
<b>96 CEG/CEVH</b>	96 <sup>th</sup> Civil Engineering Group/Cultural Resources Branch
<b>AChP</b>	Advisory Council on Historic Preservation
<b>AFB</b>	Air Force Base
<b>AFI</b>	Air Force Instruction
<b>ALRT</b>	Advanced Littoral Reconnaissance Technologies
<b>BOMARC</b>	Boeing/Michigan Aeronautical Research Center
<b>bp</b>	Years Before Present
<b>BRAC</b>	Base Realignment and Closure
<b>CFR</b>	Code of Federal Regulations
<b>cm</b>	Centimeter
<b>dB</b>	Decibel
<b>DoD</b>	Department of Defense
<b>DZ</b>	Drop Zone
<b>EES</b>	Environmental Engineering Service, Inc.
<b>EIS</b>	Environmental Impact Statement
<b>EO</b>	Executive Order
<b>ERP</b>	Environmental Restoration Program
<b>FEO</b>	Florida Environments Online
<b>GIS</b>	Geographic Information System
<b>HAER</b>	Historic American Engineering Record
<b>HPP</b>	Historic Preservation Plan
<b>ICRMP</b>	Integrated Cultural Resources Management Plan
<b>ID</b>	Identification
<b>JSF</b>	Joint Strike Fighter
<b>LZ</b>	Landing Zone
<b>m</b>	Meter
<b>MOA</b>	Memorandum of Agreement
<b>n</b>	Number
<b>NA</b>	Not Applicable
<b>NEPA</b>	National Environmental Policy Act
<b>NHPA</b>	National Historic Preservation Act of 1966
<b>NRHP</b>	National Register of Historic Places
<b>NWR</b>	New World Research, Inc.
<b>PA</b>	Programmatic Agreement
<b>PTA</b>	Prentice Thomas and Associates, Inc.
<b>ROD</b>	Record of Decision
<b>RTC</b>	Range Tactical Control
<b>SAC</b>	Strategic Air Command
<b>SHPO</b>	State Historic Preservation Officer
<b>SOF</b>	Special Operations Forces
<b>TAC</b>	Tactical Air Command
<b>TCP</b>	Traditional Cultural Property
<b>U.S.</b>	United States
<b>UXO</b>	Unexploded Ordnance
<b>WWII</b>	World War II

## CULTURAL RESOURCES

### Commonalities Cultural Resources

#### *Brief History of Eglin Air Force Base (AFB)*

This area of Florida was first occupied by Paleo-Indian populations approximately 12,000 years before present (bp) (Milanich, 1994). These early populations were geographically tethered to inland watering holes and along coastal areas with access to water. They subsisted primarily on now-extinct species of Pleistocene megafauna such as bison and mammoth. As the climate grew warmer and more arid during the hypsithermal period (10,000–5,000 bp), humans began exploiting a wider variety of plants and animals found within the local ecology. New technologies to exploit these resources were also developed during this time period, and these tools are often recovered from archaeological sites in the region (Anderson and Sassaman, 2004a). During this time, also known as the Archaic period, mound complexes in the region, such as Poverty Point in Louisiana, developed as populations in the southeastern United States increased in ceremonial and cultural complexity. The Archaic period and subsequent time periods are also witness to incipient agriculture, mound burials, and increasingly permanent settlements (Anderson and Sassaman, 2004b). The terminus of these trends during the Woodland period (2,700–1,000 bp) led to the development of distinct prehistoric Native American cultures. These cultures are more visible and definable in the archaeological record, due to better preservation of more recent material remains and more stylistically identifiable objects such as pottery (Jeffries, 2004).

Early Spanish entradas (entry) by individuals such as Juan Ponce DeLeon in 1513 and 1521, and later by Hernando DeSoto (who is believed to have passed near Alabama and Tallahassee, Florida, to the north and east of Eglin Range, respectively), brought drastic changes to the region. These changes affected even populations untouched by direct colonization in terms of technology, culture, mass depopulation, and upheaval as a result of introducing foreign pathogens such as smallpox, measles, and influenza (Saunt, 2004). Estimates of native populations in the southeastern United States range from 1,000,000 to 4,000,000 individuals just prior to European arrival. By 1685, population estimates within the same region had fallen to 200,000 individuals (Saunt, 2004).

French and British populations also moved through and laid claim to portions of the region (Saunt, 2004). European involvement in Florida ended in 1819 when, by treaty, the United States received rights to the remaining Spanish claims in the region (Dowd, 2004). In 1845, Florida became the twenty-seventh state of the Union. For the

next 50 years, plantation agriculture, citrus, cattle, and the naval stores industries along with supporting infrastructure were the primary occupations for most Floridians (Florida Environments Online [FEO], 2006).

Eglin AFB was originally established as an Army bombing and gunnery base in 1935. In 1940, as World War II approached, Congress ceded the surrounding Choctawhatchee National Forest from the Forest Service to the War Department (United States [U.S.] Air Force, 2006b). During World War II, Eglin would gain notability as the location where Doolittle's raid was planned, where captured German V-1 rockets were reverse-engineered by American scientists into the JB-2 buzz bomb weapon, and where "Operation Crossbow," the reconstruction of Germany's "Vengeance" (or "V" weapon) rocket launch facilities took place, as well as testing of methods that would be used to destroy those launch sites. Because of this early foundation, Eglin Field would become an important armaments testing facility for the U.S. military after the war (Global Security, 2006).

Based upon the work conducted during World War II on captured German rocket technology, the Army Air Force created the first Experimental Guided Missiles Group to develop and test missiles at Eglin Field on 26 January 1946. In December of 1957, Eglin AFB would become home to the newly established Air Proving Ground Center. Under this aegis, numerous systems would be tested at Eglin Range during the 1950s and 1960s, including the Boeing/Michigan Aeronautical Research Center (BOMARC) ground-to-air missile system and Hound Dog, a standoff, air-to-ground missile. In 1968, the Air Proving Ground Center was redesignated the Armament Development and Test Center (Global Security, 2006).

### ***Cultural Resources Defined, Laws and Regulations***

Cultural resources are sites, structures, landscapes, and objects of importance to cultures or communities for traditional, religious, or scientific reasons. The remains of past cultures may include, but are not limited to, prehistoric archaeological sites, historic buildings and structures, and any prehistoric or historic remains, artifacts, or less tangible indicators of human activities.

Attention to cultural resources is important to Eglin AFB for its required efforts to comply with a host of federal laws, regulations, and Executive Orders (EOs). Department of Defense (DoD) Instruction 4715.3, *Environmental Conservation Program*, and Air Force Instruction (AFI) 32-7065, *Cultural Resources Management*, outline and specify proper procedures for cultural resource management at Eglin AFB.

Laws pertinent to the Proposed Action include the National Historic Preservation Act of 1966 (NHPA), as amended, the Antiquities Act of 1906, the Historic Sites Act of 1935, the National Environmental Policy Act (NEPA), the Archaeological and Historic Preservation Act of 1974, the Archaeological Resources Protection Act of 1979, the Native American Graves and Repatriation Act of 1990, and the American Indian Religious Freedom Act of 1978 (U.S. Air Force, 2004).

Under Section 106 of the NHPA, Eglin AFB is required to consider the effects of its undertakings on historic properties listed, or eligible for listing, in the National Register of Historic Places (NRHP) and to consult with the State Historic Preservation Officer (SHPO) and other consulting parties regarding potential effects as per 36 Code of Federal Regulations (CFR), but is generally coordinated with NEPA when both processes are required. As per AFI 32-7065 Sections 3.3.1 and 3.3.2, and 36 CFR 800.8, Eglin incorporates the Section 106 review process into NEPA environmental analysis. Under Section 110 of the NHPA, Eglin AFB is mandated to maintain an active historic preservation program and provide stewardship of cultural resources, “consistent with the preservation of such properties and the mission of the agency (Section 470 h-2(a)).”

Federal regulations governing Eglin AFB’s cultural resource activities include: 36 CFR 800, *Protection of Historic Properties (incorporating amendments effective August 5, 2004)*; 36 CFR 79, *Curation of Federally Owned and Administered Archaeological Collections*; 43 CFR 7, *Protection of Archaeological Resources*; 36 CFR 60, *National Register of Historic Places*; and 36 CFR 63, *Determinations of Eligibility for Inclusion in the National Register*. Cultural resource-related EOs that may affect Eglin AFB actions include: EO 11593, *Protection and Enhancement of the Cultural Environment*; EO 13007, *Indian Sacred Sites*; EO 13175, *Consultation and Coordination with Indian Tribal Governments*; and EO 13287, *Preserve America*.

### ***Cultural Resources Present at Eglin AFB***

Eglin AFB controls 464,000 acres spread across such diverse landscapes as rivers, streams, forests, and wetlands. For thousands of years Native Americans used these areas for purposes of settlement, transportation, and subsistence, as did European-Americans in more recent times.

Eglin’s Cultural Resources Branch has identified approximately 2,000 archaeological sites on Eglin AFB. Although always changing as sites are evaluated or discovered, approximately 300 sites across the reservation are eligible or potentially eligible for listing on the NRHP. Research has also identified at least 28 historic cemeteries on base. While historic cemeteries are not normally eligible for the NRHP, they may be nominated as a component of a greater site complex (U.S. Air Force, 2004). Since Eglin’s

Cultural Resources Branch has not formally evaluated any of Eglin's cemeteries for eligibility, they are currently categorically considered potentially eligible to the NRHP.

Eglin AFB oversees other historic properties, including 125 structures associated with significant events of the twentieth century. These include two historic districts, Eglin Field Historic District (22 structures) and Camp Pinchot Historic District (11 structures), both of which are listed on the NRHP (U.S. Air Force, 2007). Other properties listed on the NRHP within Eglin AFB include three World War II-era sites, the two JB-2 launch sites, the Operation Crossbow site, and the McKinley Climatic Lab, which were constructed and used during the Cold War (1946–1989). In addition, 33 Cold War-era structures, three Cape San Blas pre-military-era structures, 34 pre-military and homestead structures, and 24 World War II-era sites are considered significant and therefore eligible for the NRHP (U.S. Air Force, 2006a).

Across Eglin AFB, 426 individual structures are currently under review by the SHPO for NRHP status. These are located within the various cantonment areas (274), and range areas (149) found throughout Eglin AFB. Sites within the cantonment areas that have already been considered by the SHPO include 55 eligible properties, eight potentially eligible properties and three individually listed properties (excluding listed districts). Thirty-nine cantonment area sites have not been assessed by Eglin to date for NRHP eligibility status. Sites within the range areas that have already been considered by the SHPO include 39 eligible properties and five potentially eligible properties. Four range sites have not been assessed by Eglin to date for NRHP eligibility status (U.S. Air Force, 2006a).

### ***Traditional Cultural Properties (TCPs)***

Traditional cultural properties (TCPs) are historic sites eligible for the NRHP under one or more of the criteria in 36 CFR 60.4 (Sebastian, 1995). According to the National Park Service *Guidelines for Evaluating and Documenting Traditional Cultural Properties*, a TCP is defined as, "...one that is eligible for inclusion in the National Register of Historic Places because of its association with cultural practices or beliefs of a living community that (a) are rooted in that community's history, and (b) are important in maintaining the continuing cultural identity of the community" (Parker and King, 1998). No specific studies have been conducted to date at Eglin AFB to identify TCPs.

### ***Native American Consultation***

The DoD frames its Native American and Alaska Native Policy of 20 October 1998 in terms that emphasize the responsibility of DoD personnel in consulting with tribal governments on a government-to-government basis very early in the decision-making process. This policy memorandum requires an effort to increase understanding between tribes and DoD personnel and to assess tribal positions on issues that have the potential to significantly affect protected tribal resources, tribal rights, and Native American lands (DoD, 1998). Also applicable is the DoD Instruction 4710.02, *DoD Interactions with Federally Recognized Tribes*, of 14 September 2006. This DoD Instruction, an outgrowth of the earlier 1998 Policy, strengthens and elaborates the earlier policy.

The Native American Graves Protection and Repatriation Act of 1990 (25 United States Code 3001 et seq., as amended) addresses the protection of Native American burial sites and regulates the removal and study of human remains, funerary objects, sacred objects, and items of cultural patrimony on federal and tribal lands, or by institutions receiving federal funding. At present, no Native American traditional resources, sacred sites, or spiritual areas have been identified on the installation.

To date, Eglin AFB has consulted with four federally recognized tribes in regard to this project (Attachment 1). The four tribes are the Miccosukee Tribe of Indians of Florida, the Seminole Tribe of Florida, the Poarch Band of Creek Indians, Alabama, and the Muskogee (Creek) Nation of Oklahoma.

Guided by section 800.3 of 36 CFR, the Air Force presented all four federally-recognized tribes, above, and the State of Florida-recognized Muskogee Nation of Florida with official copies of the Public Scoping Plan for 2005 Base Realignment and Closure (BRAC) Decisions and Related Actions at Eglin AFB that highlighted the tentative Proposed Action and Alternatives in July of 2006. In September 2008, the Air Force contacted the tribes to provide copies of this project's final Programmatic Agreement (Attachment 2). Eglin AFB will provide updates and consult appropriately with all four of the federally recognized tribes throughout the life of this project, especially with regard to specific areas of tribal concern (Stanley, 2006).

### ***Other Consulting Parties***

As per section 800.3 of 36 CFR, agencies were initially invited in July of 2006 to participate as consulting parties for the 2005 BRAC decision at Eglin AFB (Attachment 1). These agencies include the Florida SHPO and the National Trust for Historic Preservation.

Later in the process, several other specific organizations were invited to participate as interested parties. These include the *Strategic Air Command (SAC) Memorial Project* group and the *Friends of Florida*, both contacted by the U.S. Air Force on 03 July 2007. The Alabama SHPO and U.S. Forest Service (Conecuh Cultural Office) were consulted in February 2008. Issues discussed included clarification of what historic structures were in the Area of Potential Effects from JSF overflights and what the Proposed Action entailed. Four structures were noted within the military training route areas in Conecuh Forest (Picnic Shelter, Work Center, Open Pond Look-Out Tower, and Parker Springs Fire Tower) as well as the recently nominated town of Florala, Alabama.

### ***Section 106 Coordination for BRAC EIS***

In ongoing consultations with the parties highlighted above, the Air Force has moved forward with compliance with Section 106 of the NHPA. A timeline of completed consulting activities is presented in Table F-1 below. The Air Force initiated discussion of cultural resources on Eglin Range as they related to proposed BRAC activities in the summer of 2006 with the mailing of a Public Scoping meeting invitation to all potentially interested parties. Formal initiation of Section 106 followed in September of 2006, with notifications going out to the Florida SHPO and the Advisory Council on Historic Preservation (ACHP).

Discussions of potential adverse impacts to the SAC Alert District began in late 2006 and have continued to present.

The issue of Joint Strike Fighter (JSF) air operations was discussed at length with Florida SHPO and discussions are continuing at present. Consultations with the four federally recognized tribal groups regarding JSF air operations began in spring of 2008. Initiation of consultations with Alabama SHPO occurred in February 2008 regarding JSF flight operations over Alabama (see Figure 7-2).

An initial records search was completed of buildings 50 years or older within the JSF 65+ decibel (dB) noise envelope, but no formal identification of historic properties was completed.

Table F-1. Consultation Timeline

Communication From/To	Date	Type	Topic of Communication
Air Force to SHPO, National Trust for Historic Preservation, ACHP, four tribes and state-recognized Muscogee tribe, and Public	28 July 06	Letter	Notification of NEPA Scoping meeting. Notice of Intent.
Air Force to SHPO	25 September 06	Letter	Initiation of Section 106 Process. Notification of Adverse Effect.
Air Force to ACHP	25 September 06	Letter	Initiation of 106. Notification to Council advising of Finding of Adverse Effect.
Air Force to SHPO	03 April 07	Letter	Proposed that SHPO treat each BRAC Alternative as separate consulting effort. Second part is specific to discuss adverse effects of SAC Alert district.
Air Force to SHPO	14 May 07	Teleconference	To discuss SAC Alert Area follow on to 03 April 07 letter.
Air Force to ACHP	31 May 07	Letter	Notification of adverse effects to SAC Alert district.
ACHP to Air Force	26 June 07	Letter	Letter seeking additional information on SAC Alert District to resolve issues of adverse effect in response to letter of 31 May 07.
Air Force to 18 SAC Alert District potentially interested groups.	3 July 07	Letter	This letter provides overview of project creating possible adverse effecting to SAC Alert Historic District
SHPO Visit to U.S. Air Force SAC ALRT	23 July 07	Meeting	SHPO visits SAC Alert Historic District for project meeting. Informal discussion related to possible mitigation vs. preservation issues.
SAC Memorial Project	30 July 07	Letter	Response for invitation to participate in Section 106 process as interested party
Friends of Florida	30 July 07	Letter	Response for invitation to participate in Section 106 process as interested party
Air Force to SHPO	03 October 07 to 22 January 08	Letters	40 draft survey reports with cover letters to SHPO presenting results of BRAC-related archaeological surveys
Air Force to SHPO	30 December 07	Letter	Includes proposed mitigation treatment to SAC Alert District.
Air Force to SHPO	15 January 08 to 22 January 08	Letters	26 replies with final concurrence SHPO on results of BRAC-related archaeological surveys
Air Force to SHPO	30 January 08	Phone Conversation	Discussion with SHPO regarding JSF Flight operations, and intent to develop PA.
Air Force to ACHP	31 January 08	Phone call	Phone conversation to Nancy Brown regard status of EIS project.

**Table F-1. Consultation Timeline, Cont'd**

Communication From/To	Date	Type	Topic of Communication
Air Force to SHPO	4 February 08	Letter	Letter to Alabama SHPO proposing no Adverse Effect to Historic Properties as a result of flight operations over Alabama.
Air Force to SHPO	May 08	Phone Call	Phone conversation with Alabama SHPO regarding flight operations over Alabama. Four historic structures (Picnic Shelter, Work Center, Open Pond Look-Out Tower, and Parker Springs Fire Tower) in Conecuh Forest and recently nominated District of Florala, Alabama, discussed. SHPO recommended continued discussion with Conecuh National Forest and town of Florala regarding these issues in the interest of documentation and disclosure.
Air Force to SHPO and other consulting parties	24 June 08	Letter	Letter requesting review of initial draft PA.
Micosukee Tribe to Air Force	1 July 08	E-mail	E-mail to Air Force communicating no objection to provisions of PA, and no desire to participate as signatory to PA.
ACHP to Air Force	17 Jul 08	Letter	Letter expressing no participation desired in future consultation to resolve adverse effects and request for a copy of the executed PA.
FL SHPO to Air Force	8 Aug 08	Letter	Letter suggesting changes to PA and request that reference documents be placed on a website or FTP site for easy access for all consultants.

ACHP = Advisory Council on Historic Preservation; ALRT = Advanced Littoral Reconnaissance Technologies; BRAC = Base Realignment and Closure; EIS = Environmental Impact Statement; JSF = Joint Strike Fighter; SAC = Strategic Air Command; SHPO = State Historic Preservation Officer

### ***Planned Future Actions***

As the BRAC action is a large project over a significant geographic area, implementation of required identification and evaluation of historic properties under Section 106 has occurred in a phased manner.

### ***Legal Agreements***

A draft Programmatic Agreement (PA) highlighting planned cultural resource actions and procedures is provided at Attachment 2. The Air Force will make reasonable efforts to execute this document prior to the signature of the project's ROD. The PA

relates to applicable procedures indicated at 36 CFR 800.4(b)(2), 800.800.6(b)(iv), and/or 800.14(b)(1)(ii). Contents of this document will include:

- The Air Force's commitment to complete remaining steps and requirements of Section 106, including development of measures to avoid, minimize, or mitigate effects of the project.
- The PA will reference, and as possible integrate intent, with the Memorandum of Agreement (MOA) for the SAC Alert District, the existing MOA Eglin follows for historic structures at the installation, the PA for Army training activities at Eglin Range, and any other pertinent existing formal agreements (e.g., Attachment 3). Eglin AFB's 2004 Integrated Cultural Resources Management Plan (ICRMP) (Attachment 4) also is likely to offer critical procedures which will be referenced by the PA.
- Signatories to the PA may include but are not limited to; Florida SHPO, Alabama SHPO, the federally recognized tribes, ACHP and the United States Army.

#### *Additional Fieldwork*

- 612 additional acres of historic survey and 625 additional acres of prehistoric survey of Range C-52E and within the 7SFG(A) Cantonment Alternative 3 will be identified for survey, with intent for completion by August of 2008.
- Evaluation for NRHP eligibility may be required for an undetermined number of archeological sites (this work likely will be specified in the proposed PA).
- Data recovery excavations and/or forms of creative mitigation for a presently undetermined number of archeological sites may be stipulated in the proposed PA.

Until the proposed PA and, as applicable, other agreements are finalized and specific procedures for managing project-related resources identified, the Air Force will seek to avoid disturbance to any historic property of unknown eligibility to, listed in, or considered eligible to the NRHP. Until the proposed PA is executed, guidance for project issues related to cultural resources will be addressed under the procedures of 36 CFR 800 and applicable portions of Eglin's ICRMP. The Standard Operating Procedure section of this ICRMP is attached to this appendix for reference (Attachment 4).

### **Historic Property Identification Efforts and Historic Properties Identified to Date**

Previously identified properties and completed survey efforts are presented in the following sections below. This section documents the Air Force's effort to identify historic resources in compliance with Section 106 of the NHPA.

## PALEO-INDIAN BRAC ASSOCIATED SURVEY UNIT DESCRIPTIONS (ADAPTED FROM CAMPBELL, 2007)

### X-830 UNIT SUMMARY

X-830 is located in a 95-acre tract within a hazardous waste area. The latter is known as ERP site SS-25. During the 1970s, it was the scene of tests conducted by the Air Force on the effectiveness of aerial herbicide delivery systems to support the Vietnam Conflict. In consultation with Eglin Cultural Resources, Prentice Thomas and Associates, Inc. (PTA) subcontracted with Brown, Burdine and Associates, LLC to undertake a review and compile existing documentation on the human health risks associated with subsurface testing at X-830.

One known site, 8WL54, is reported within X-830. An Early Archaic Kirk point was recovered on the surface by William Lazarus when the site was first identified. Other lithics are reported in the database, along with historic materials. However, the site has never been intensively recorded and remains listed as potentially eligible for nomination to the NRHP on the Eglin database.

### X-912 UNIT SUMMARY

Investigations in the X-912 tract, totaling 377 acres, included the excavation of 469 shovel tests, an intensive surface examination, and inspection of all subsurface exposures. The work resulted in the discovery of three sites and seven archaeological occurrences. Table F-2 summarizes the site findings.

**Table F-2. Summary of Site Findings for X-912**

Site	Components	North (WGS84)	East (WGS84)	Eligibility Recommendation
8WL2231	Prehistoric	3379247	568245	Potentially eligible
8WL2232	Prehistoric	3379282	568121	Potentially eligible
8WL2233	Prehistoric	3379647	567913	Potentially eligible

### X-913 UNIT SUMMARY

Investigations in the X-913 tract, totaling 428 acres, included the excavation of 397 shovel tests, an intensive surface examination, and inspection of all subsurface exposures. The work resulted in the discovery of four sites and one archaeological occurrence. Table F-3 summarizes the site findings.

**Table F-3. Summary of Site Findings for X-913**

Site	Components	North (WGS84)	East (WGS84)	Eligibility Recommendation
IF-3564	Prehistoric	3378503	565986	Ineligible
8WL2257	Historic	3378399	566147	Ineligible
8WL2258	Prehistoric	3379514	565959	Potentially eligible
8WL2259	Prehistoric	3379104	566076	Ineligible
8WL2260	Historic	3378030	566054	Ineligible

### X-914 UNIT SUMMARY

Investigations in the X-914 tract, totaling 265 acres, included the excavation of 334 shovel tests, an intensive surface examination, and inspection of all subsurface exposures in all but 33 acres in the southern part of the unit. In these 33 acres, the Environmental Restoration Program (ERP) identified an area with soil contamination and crews were instructed not to conduct subsurface investigations

In consultation with Mark Stanley, procedures were approved for a walkover to be conducted across the contaminated soil in the 33 acres. Therefore, 25 walking transects were conducted with crews spaced 10 to 15 meters (m) apart examining the surface. The work resulted in the discovery of six sites and three archaeological occurrences. Table F-4 summarizes the site findings.

**Table F-4. Summary of Site Findings for X-914**

Site	Components	North (WGS84)	East (WGS84)	Eligibility Recommendation
8WL2246	Prehistoric/Historic	3376971	566886	Potentially eligible
8WL2247	Prehistoric	3377643	566262	Ineligible
8WL2248	Prehistoric	3377827	566504	Potentially eligible
8WL2249	Prehistoric	3377204	567441	Ineligible
8WL2250	Prehistoric	3377225	567163	Potentially eligible
8WL2251	Prehistoric	3377733	566571	Potentially eligible

### X-915 UNIT SUMMARY

Investigations in the X-915 tract, totaling 153 acres, included a walkover in which survey transects were traversed, complemented by limited subsurface testing, as appropriate, and the inspection of all subsurface exposures. The work resulted in the discovery of three sites and one archaeological occurrence. Table F-5 summarizes the site findings.

**Table F-5. Summary of Site Findings for X-915**

Site	Components	North (WGS84)	East (WGS84)	Eligibility Recommendation
8WL2229	Historic	3376830	564951	Potentially eligible
8WL2230	Historic	3376937	565209	Ineligible
8WL2239	Historic	3377096	565453	Ineligible

## X-916 UNIT SUMMARY

Investigations in the X-912 tract, totaling 622 acres, included the excavation of 648 shovel tests, an intensive surface examination, and inspection of all subsurface exposures.

The work resulted in the discovery of two new sites and nine archaeological occurrences. In addition, eight previously known sites were tasked to be revisited and re-recorded. Four were relocated and their boundaries expanded. Despite an intensive effort, the other four sites (8WL304, 8WL306, 8WL314, and 8WL324) could not be relocated. Table F-6 summarizes the site findings.

**Table F-6. Summary of Site Findings for X-916**

Site	Components	North (WGS84)	East (WGS84)	Eligibility Recommendation
8WL301	Prehistoric	3375746	558667	Ineligible
8WL302	Prehistoric	3376811	558515	Ineligible
8OK2612/8WL303	Prehistoric	3376342	558174	Ineligible
8WL304	Prehistoric	3376882	558765	Ineligible
8WL305	Prehistoric/Historic	3376984	558720	Potentially eligible
8WL306	Prehistoric	3377043	558442	Ineligible
8WL314	Prehistoric	3375789	559152	Ineligible
8WL324	Prehistoric	3375817	559358	Ineligible
8WL2218	Prehistoric	3377172	559485	Ineligible
8WL2224	Historic	3376631	559071	Ineligible

## X-917 UNIT SUMMARY

Investigations in the X-917 tract, totaling 149 acres, included a walkover in which survey transects were traversed, complemented by limited subsurface testing, as appropriate (number [n] =20 shovel tests), and the inspection of all subsurface exposures. The work resulted in the discovery of one archaeological occurrence.

### X-918 UNIT SUMMARY

Investigations in the X-918 tract, totaling 136 acres, included the excavation of 179 shovel tests, an intensive surface examination, and inspection of all subsurface exposures. The work resulted in the discovery of three sites and one archaeological occurrence. The site evaluations are listed in Table F-7.

**Table F-7. Summary of Site Findings for X-918**

Site	Components	North (WGS84)	East (WGS84)	Eligibility Recommendation
8WL2225	Prehistoric	3377455	565481	Ineligible
8WL2226	Prehistoric	3377441	565403	Potentially Eligible
8WL2227	Prehistoric	3377433	565584	Potentially Eligible

### X-919 UNIT SUMMARY

Investigations in the X-919 tract, a 99-acre tract, consisted of a pedestrian survey over the entire tract, examination of all surface and subsurface exposures, and the excavation of 129 50-centimeter (cm) by 50-cm shovel tests. The work resulted in the identification of two sites and two archaeological occurrences. Table F-8 summarizes the site findings.

**Table F-8. Summary of Site Findings for X-919**

Site	Components	North (WGS84)	East (WGS84)	Eligibility Recommendation
8OK2605	Prehistoric	3377337	557844	Ineligible
8OK2606	Prehistoric	3377410	558032	Ineligible

### X-921 UNIT SUMMARY

Investigations in the X-921 tract, totaling 38 acres, included the excavation of 35 shovel tests, an intensive surface examination, and inspection of all subsurface exposures. No cultural resources were identified, despite an intensive effort.

### X-922 UNIT SUMMARY

Investigations in the X-922 tract, totaling 59 acres, consisted of a pedestrian survey over the entire tract, examination of all surface and subsurface exposures, and the excavation of 57 shovel tests. One previously known site was encountered during this investigation. The site evaluation is listed in Table F-9.

**Table F-9. Summary of Site Findings for X-922**

Site	Components	North (WGS84)	East (WGS84)	Eligibility Recommendation
8OK306	Historic	3392764	536817	Ineligible

**X-923 UNIT SUMMARY**

Investigations in the X-923 tract, totaling 52 acres, included the excavation of 52 shovel tests, an intensive surface examination, and inspection of all subsurface exposures. No cultural resources were identified, despite an intensive effort.

**X-924 UNIT SUMMARY**

Investigations in the X-924 tract, totaling 68 acres, consisted of a pedestrian survey over the entire tract, examination of all surface and subsurface exposures, and the excavation of 101 shovel tests.

One newly discovered site was identified as result of this investigation, and one previously known site was also revisited. Table F-10 summarizes the site findings.

**Table F-10. Summary of Site Findings for X-924**

Site	Components	North (WGS84)	East (WGS84)	Eligibility Recommendation
8WL147	Prehistoric	3400690	571443	Ineligible
8WL2217	Prehistoric	3400710	570564	Ineligible

**X-925 UNIT SUMMARY**

Investigations in the X-925 tract, totaling 119 acres, included the excavation of five shovel tests, an intensive surface examination, and inspection of all subsurface exposures. No cultural resources were identified, despite an intensive effort.

**X-926 UNIT SUMMARY**

Investigations in the X-926 tract, totaling 321 acres, included a walkover in which survey transects were traversed, complemented by limited subsurface testing, as appropriate (n=8), and the inspection of all subsurface exposures. No cultural resources were identified, despite an intensive effort.

**X-927 UNIT SUMMARY**

Investigations in the X-927 tract, totaling 20 acres, included a walkover in which survey transects were traversed, complemented by limited subsurface testing, as appropriate

(n=3), and the inspection of all subsurface exposures. No cultural resources were identified, despite an intensive effort.

### **X-928 UNIT SUMMARY**

Investigations in the X-928 tract, totaling 30 acres, included the excavation of 30 shovel tests, an intensive surface examination, and inspection of all subsurface exposures. No cultural resources were identified, despite an intensive effort.

### **X-929 UNIT SUMMARY**

Investigations in the X-929 tract, totaling 105 acres, included the excavation of 100 shovel tests, an intensive surface examination, and inspection of all subsurface exposures. No cultural resources were identified, despite an intensive effort.

### **X-930 UNIT SUMMARY**

Investigations in the X-930 tract, totaling 382 acres, included the excavation of 389 shovel tests, an intensive surface examination, and inspection of all subsurface exposures.

The work resulted in the discovery of four new sites and one archaeological occurrence; an attempt was made to relocate 8OK254, but was unsuccessful. Another known site, 8OK256, is in the tract, but was not tasked for a revisit. Table F-11 summarizes the site findings.

**Table F-11. Summary of Site Findings for X-930**

Site	Components	North (WGS84)	East (WGS84)	Eligibility Recommendation
8OK254	Prehistoric	3390852	550528	Ineligible
8OK256*	Prehistoric	3392530	549230	Potentially eligible
8OK2610	Prehistoric	3391002	549899	Ineligible
8OK2611	Prehistoric	3391305	549878	Ineligible
8OK2618	Prehistoric	3391220	549875	Ineligible
8OK2619	Historic	3391156	549857	Ineligible
* 8OK256 was not revisited, therefore, there is no updated site form.				

### **X-931 UNIT SUMMARY**

Investigations in the X-931 tract, totaling 392 acres, consisted of a pedestrian survey over the entire tract, examination of all surface and subsurface exposures, and the excavation of 24 shovel tests.

One site and one archaeological occurrence were identified during this investigation. Table F-12 summarizes the site findings.

**Table F-12. Summary of Site Findings for X-931**

Site	Components	North (WGS84)	East (WGS84)	Eligibility Recommendation
8OK2609	Historic	3391290	558095	Ineligible

### **X-932 UNIT SUMMARY**

Investigations in the X-932 tract, totaling 264 acres, included a walkover in which survey transects were traversed, complemented by limited subsurface testing, as appropriate (n=7), and the inspection of all subsurface exposures. No cultural resources were identified, despite an intensive effort.

### **X-933 UNIT SUMMARY**

Investigations in the X-933 tract, totaling 145 acres, included the excavation of 15 shovel tests, an intensive surface examination, and inspection of all subsurface exposures. Three archaeological occurrences were identified as a result of the investigation.

### **X-934 UNIT SUMMARY**

Investigations in the X-934 tract, totaling 312 acres, included the excavation of eight shovel tests, an intensive surface examination, and inspection of all subsurface exposures. No cultural resources were identified, despite an intensive effort (Figure F-23).

### **X-935 UNIT SUMMARY**

Investigations in the X-935 tract, totaling 162 acres, included the excavation of 53 shovel tests, an intensive surface examination, and inspection of all subsurface exposures. One site and three archaeological occurrences were identified as a result of this effort. Table F-13 summarizes the site findings.

**Table F-13. Summary of Site Findings for X-935**

Site	Components	North (WGS84)	East (WGS84)	Eligibility Recommendation
8WL2228	Historic	3372684	561069	Ineligible

### X-936 UNIT SUMMARY

Investigations in the X-936 tract, totaling 223 acres, included the excavation of 11 shovel tests, an intensive surface examination, and inspection of all subsurface exposures. One archaeological occurrence was identified as a result of this effort.

### X-937 UNIT SUMMARY

Investigations in the X-937 tract, totaling 115 acres, consisted of a pedestrian survey over the entire tract, examination of all surface and subsurface exposures, and the excavation of 31 shovel tests. One site and three archaeological occurrences were identified during the effort. Table F-14 summarizes the site findings.

**Table F-14. Summary of Site Findings for X-937**

Site	Components	North (WGS84)	East (WGS84)	Eligibility Recommendation
8OK2620	Historic	3387277	552801	Ineligible

### X-938 UNIT SUMMARY

Investigations in the X-938 tract, totaling 161 acres, included the excavation of six shovel tests, an intensive surface examination, and inspection of all subsurface exposures.

No cultural resources were identified, despite an intensive effort. Planned mission activities will have no effect on historic properties in this area. No further work is recommended.

### X-939 UNIT SUMMARY

Investigations in the X-939 tract, totaling 102 acres, included the excavation of seven shovel tests, an intensive surface examination, and inspection of all subsurface exposures. No cultural resources were identified, despite an intensive effort (Figure F-28).

### X-940 UNIT SUMMARY

Investigations in the X-940 tract, totaling 62 acres, included the excavation of six shovel tests, an intensive surface examination, and inspection of all subsurface exposures. No cultural resources were identified, despite an intensive effort.

### X-941 UNIT SUMMARY

Investigations in the X-941 tract, totaling 68 acres, consisted of a pedestrian survey over the entire tract, examination of all surface and subsurface exposures, and the excavation of 93 shovel tests. Two sites and one archaeological occurrence were identified as result of this effort (Figure F-30). Table F-15 summarizes the site findings.

**Table F-15. Summary of Site Findings for X-941**

Site	Components	North (WGS84)	East (WGS84)	Eligibility Recommendation
8OK2613	Prehistoric	3392549	553797	Ineligible
8OK2617	Historic	3390378	555554	Ineligible

### X-942 UNIT SUMMARY

Investigations in the X-942 tract, totaling 85 acres, consisted of a pedestrian survey over the entire tract, examination of all surface and subsurface exposures, and the excavation of 75 shovel tests. One previously known site was encountered during this current effort (Figure F-31). Table F-16 summarizes the site findings.

**Table F-16. Summary of Site Findings for X-942**

Site	Components	North (WGS84)	East (WGS84)	Eligibility Recommendation
8OK255	Prehistoric	3390864	549855	Ineligible

### X-943 UNIT SUMMARY

Investigations in the X-943 tract, totaling 57 acres, included the excavation of 46 shovel tests, an intensive surface examination, and inspection of all subsurface exposures. No cultural resources were identified despite an intensive effort.

### X-944 UNIT SUMMARY

Investigations in the X-944 tract, totaling 76 acres, included the excavation of 62 shovel tests, an intensive surface examination, and inspection of all subsurface exposures. No cultural resources were identified, despite an intensive effort.

### X-945 UNIT SUMMARY

Investigations in the X-945 tract, totaling 172 acres, included the excavation of 177 shovel tests, an intensive surface examination, and inspection of all subsurface

exposures. The work resulted in the discovery of two sites and one archaeological occurrence. Table F-17 summarizes the site findings.

**Table F-17. Summary of Site Findings for X-945**

Site	Components	North (WGS84)	East (WGS84)	Eligibility Recommendation
8OK2635	Prehistoric	3391646	533209	Potentially eligible
8OK2636	Prehistoric	3392396	532607	Ineligible

### **X-946 UNIT SUMMARY**

Investigations in the X-946 tract, totaling 142 acres, included the excavation of 64 shovel tests, an intensive surface examination, and inspection of all subsurface exposures. The work resulted in the discovery of one site and one archaeological occurrence (Figure F-35). The site evaluation is listed in Table F-18. The archaeological occurrence is categorically ineligible for NRHP nomination.

**Table F-18. Summary of Site Findings for X-946**

Site	Components	North (WGS84)	East (WGS84)	Eligibility Recommendation
8OK2626	Prehistoric	3392695	532455	Ineligible

### **X-947 UNIT SUMMARY**

Investigations in the X-947 tract, totaling 145 acres, consisted of a pedestrian survey over the entire tract, examination of all surface and subsurface exposures, and the excavation of 67 shovel tests. One site and two archaeological occurrences were identified during the effort. Table F-19 summarizes the site findings.

**Table F-19. Summary of Site Findings for X-947**

Site	Components	North (WGS84)	East (WGS84)	Eligibility Recommendation
8OK2625	Historic	3391299	535698	Ineligible

### **X-948 UNIT SUMMARY**

Investigations in the X-948 tract, totaling 148 acres, included the excavation of 100 shovel tests, an intensive surface examination, and inspection of all subsurface exposures. One archaeological occurrence was identified as a result of this effort.

### X-949 UNIT SUMMARY

Investigations in the X-949 tract, totaling 103 acres, included the excavation of 89 shovel tests, an intensive surface examination, and inspection of all subsurface exposures. The work resulted in the discovery of three archaeological occurrences.

### X-950 UNIT SUMMARY

Investigations in the X-950 tract, totaling 108 acres, included the excavation of 102 shovel tests, an intensive surface examination, and inspection of all subsurface exposures. The work resulted in the discovery of one site. Table F-20 summarizes the site findings.

**Table F-20. Summary of Site Findings for X-950**

Site	Components	North (WGS84)	East (WGS84)	Eligibility Recommendation
8WL2252	Prehistoric	3374824	564049	Ineligible

### X-951 UNIT SUMMARY

Investigations in the X-951 tract, totaling 138 acres, included the excavation of 131 shovel tests, an intensive surface examination, and inspection of all subsurface exposures. The work resulted in the discovery of one new site and one archaeological occurrence and a revisit to a previously known site. Table F-21 summarizes the site findings.

**Table F-21. Summary of Site Findings for X-951**

Site	Components	North (WGS84)	East (WGS84)	Eligibility Recommendation
8WL158	Historic	3374748	562902	Ineligible
8WL2253	Prehistoric	3374944	562896	Potentially eligible

### X-963 UNIT SUMMARY

Investigations in the X-963 tract, totaling 163 acres, included the excavation of 173 shovel tests, an intensive surface examination, and inspection of all subsurface exposures. The work resulted in the discovery of three sites and two archaeological occurrences. Table F-22 summarizes the site findings.

Table F-22. Summary of Site Findings for X-963

Site	Components	North (WGS84)	East (WGS84)	Eligibility Recommendation
8OK2637	Prehistoric	3392315	533301	Potentially eligible
8OK2638	Prehistoric	3392381	533230	Ineligible
8OK2639	Prehistoric	3392297	533123	Potentially eligible

## SUMMARY OF TESTING AT 8WL1198 AND 8WL1520

Two sites were tested in conjunction with the planned BRAC action. Both are evaluated as ineligible and summarized in Table F-23; brief descriptions follow the table.

Table F-23. Summary of Findings of Site Testing

Site	Components	North (WGS84)	East (WGS84)	Eligibility Recommendation
8WL1198	Prehistoric/Historic	3378236	570612	Ineligible
8WL1520	Prehistoric	3377768	570323	Ineligible

### 8WL1198

8WL1198 was located by PTA in 1996, when prehistoric and historic artifacts were recovered from 12 survey shovel tests in X-325. The prehistoric remains suggested episodes of site use by Deptford and Weeden Island populations. Vertically, the materials indicate stratigraphic separation of the Early and Late Woodland components. A large percentage of the lithics appeared to be associated with the Deptford occupation, suggesting a variety of activities, including retooling and/or food processing.

Additionally, the effort produced historic artifacts from the architecture, kitchen, and personal functional groups. A surface scatter of artifacts, fence posts, and sunken roads characterize the historic locus of the site. No intact structural elements were observed within the site area, but three artifact concentrations were identified.

Testing began with a reconnaissance, during which two fence posts, an artifact scatter, and the three previously identified artifact concentrations were relocated in the northern portion of the site. A metal detector survey also identified two concentrations. Subsurface investigations included the excavation of 43 50-cm by 50-cm shovel tests and nine test pits for a total volume of 20.4 cubic meters.

The prehistoric inventory from 8WL1198 consists of 60 ceramics, 107 lithics, and oyster (*Crassostrea virginica*) shell. The ceramics include 25 Deptford Linear Check Stamped sherds, two Carrabelle Incised sherds, one Carrabelle Punctated sherd, two Wakulla Check Stamped sherds, one unidentified check stamped sherd, three unidentified stamped sherds, 25 unidentified plain sherds, and one piece of fired clay. The lithic

artifacts are one grooved abrader, one unifacial endscraper, and 105 pieces of debitage. The debitage comprises 15 tertiary flakes, 41 biface trimming flakes, and 49 chunk/shatter. The endscraper was made of Coastal Plains chert and the abrader was made of strongly cemented brown sandstone. The debitage is about equally divided between Coastal Plains chert and Tallahatta quartzite.

The prehistoric data were interpreted as the remains of a series of collection station camps. The earliest occurred in the central site area and dated to the Deptford Period. Weeden Island activity was found east of the Deptford locus, as well as in the extreme southern part of the site.

Historic materials from the site include 136 ceramics, 3,472 glass, 803 metal items, three flora items, two lithics, and 18 fragments of other materials. Ninety-nine percent (n=4421) of this collection is derived from excavations north of Range Road 356 within Daniel J. Sanford's homestead claim. The site was interpreted as remains associated with the Sandford homestead, occupied from 1890 to 1910. However, no intact structural remains were identified. Naval stores and later materials reflect later industrial use of the area.

It is difficult to discern variation in activities and, despite the excellent information in Hill (1916) about the Sandford homestead, the site failed to yield the kinds of data that allow for reconstruction of the residential plan. The significance is further diminished by the admixture from later use of the site and, as such, the information potential of the site is limited in comparison to nearby sites, like the Padgett homestead (8WL1802).

Taking these observations into consideration, both the prehistoric and historic components at this site lack the quality of significance, as described in 36 CFR 60. In our opinion, 8WL1198 is not eligible for nomination to the NRHP. Further work is not recommended.

## **8WL1520**

8WL1520 was identified by PTA during the survey of X-472, when prehistoric lithic and ceramic artifacts were recovered between 60 and 90 cm in survey shovel tests. Artifacts were distributed vertically between 10 and 120 cm, with sterile zones from 20 to 50 cm and 100 to 110 cm. Lithic artifacts were recovered between 50 and 100 cm. One sherd was encountered between 10 and 20 cm, while the remainder of the ceramic material was recovered between 50 and 120 cm. The diagnostics suggested Gulf Formational, Deptford, and Weeden Island episodes of site use. A hafted knife was observed, which might be indicative of an Early Archaic component.

The testing phase began with excavation of six 50-cm by 50-cm shovel tests, placed within the previously determined site boundary to sample the contents more thoroughly. Subsurface investigations included the excavation of five 1-m by 1-m test pits for a total volume of 6.1 cubic meters.

The collection recovered from testing at 8WL1520 consists of 16 ceramics and 11 lithics, along with 19 grams of *Crassostrea virginica* (oyster) shell fragments. The ceramic inventory includes five Deptford Simple Stamped sherds, two unidentified stamped sherds, one unidentified check stamped sherd, five unidentified plain sherds, and three pieces of fired clay. The unidentified stamped sherds were noted to have micaceous paste similar to Weeden Island.

The lithic collection comprises one tool, a biface edge fragment of Tallahatta quartzite, and 10 pieces of debitage. The debitage is limited to two tertiary flakes, four biface trimming flakes, and four chunk/shatter. Most of the debitage is Coastal Plains chert, followed by Tallahatta quartzite and one unidentified sandstone chunk.

The site was interpreted as having a Late Gulf Formational occupation, followed by Deptford, and later, Weeden Island. All of the components appear to be collection station camps, like the prehistoric episodes of site use at 8WL1198. However, 8WL1520 also offered an opportunity to explore a trend in settlement observed for the earliest and latest components, Weeden Island people reoccupying Late Gulf Formational Elliotts Point sites. Site data were compared with contemporaneous occupations and proved useful in addressing the issue, but the overall site lacks individual significance.

### Alternative Specific Survey Area Summaries (Data from Eglin AFB, 2008)

**Table F-24. JSF Alternative 1 Previously Completed Surveys**

Survey Name	Acreage	Comments	Report on File 96 CEG/CEVH
X-717	307		824

96 CEG/CEVH = 96<sup>th</sup> Civil Engineering Group/Cultural Resources  
Branch; JSF = Joint Strike Fighter

Table F-25. 7SFG(A) Cantonment Alternative Survey Area Summary

Alternative Area	Survey #	Status	Acreage	Comments	Report on File 96 CEG/CEVH
1A	X-636	COMPLETE	527		713
1A	X-799	COMPLETE			
1B	X-636	COMPLETE	527		713
1B	X-717	COMPLETE	307	No cultural resources	824
1C	X-636	COMPLETE	527		713
1C	X-699	COMPLETE	99	Family housing, No cultural resources	835
2A	X-926	REVIEW		Historic	
2A	X-828	COMPLETE			
2A	X-889	REVIEW			
2B	X-832	COMPLETE			
2B	X-921	REVIEW		Prehistoric	
2B	X-444	COMPLETE	433		474
2C	X-833	COMPLETE			
2C	X-834	COMPLETE			
2C	X-835	COMPLETE			
2C	X-930	REVIEW		Prehistoric	
2C	X-781	COMPLETE	100		
2D	X-929	REVIEW		Prehistoric	
2D	X-930	REVIEW		Prehistoric	
2D	X-275	COMPLETE	877		268
2D	X-882	REVIEW			
2D	X-883	REVIEW			
2E	X-882	REVIEW			
2E	X-883	REVIEW			
2E	X-884	REVIEW			
2E	X-395	COMPLETE	297		383
3 (Preferred)	X-865	REVIEW			
3 (Preferred)	X-864	REVIEW			
3 (Preferred)	X-328	COMPLETE	435		304
4	X-927	REVIEW		Historic	
4	X-928	REVIEW		Prehistoric	
4	X-809	COMPLETE	126		
4	X-484	COMPLETE	450		519
5	X-925	REVIEW		Historic	
5	X-924	REVIEW		Prehistoric	
5	X-345	COMPLETE	425		304
5	X-639	COMPLETE	398	RTC Area, LZ East	720
5	X-491	COMPLETE	333		524

7SFG(A) = 7<sup>th</sup> Special Forces Group (Airborne); 96 CEG/CEVH = 96<sup>th</sup> Civil Engineering Group/Cultural Resources Branch; LZ = Landing Zone; RTC = Range Tactical Control

Table F-26. 7SFG(A) Range Alternative 1 Survey Areas\*

Survey #	Range Required	NRHP Status	Acreage	Comments	Report on File 96 CEG/CEVH
920 not done	SOF6, SOF9, SOF11	REVIEW		Prehistoric	
X-219	SOF1a and 4a	COMPLETE	15	BorrowPit B32	226
X-221	SOF1a and 4a	COMPLETE	5	BorrowPit B35	226
X-240	SOF9	COMPLETE	6	C29	237
X-242	SOF9	COMPLETE	2	C80B	237
X-248	SOF8 and SOF13	COMPLETE	918	Survey	245
X-264	SOF5, SOF11	COMPLETE	218	No cultural resources	267
X-265	SOF2	COMPLETE	156	No cultural resources	267
X-268	SOF4	COMPLETE	107		267
X-305	SOF1/SOF3, SOF1a, SOF4a	COMPLETE	428		289
X-307	SOF2 and SOF9	COMPLETE	555		293
X-323	SOF12	COMPLETE	385		319
X-325	SOF2 and SOF9	COMPLETE	441		320
X-330	SOF9	COMPLETE	188		309
X-361	SOF2 and SOF9	COMPLETE	107		343
X-377	SOF9	COMPLETE	1585		363
X-378E	SOF8, SOF9, SOF11, SOF12, SOF13				
X-378W	SOF8, SOF12, SOF13	COMPLETE	3497		366
X-406	SOF2	COMPLETE	644		404
X-413	SOF2 and SOF9	COMPLETE	124	No cultural resources	412
X-424	SOF1a	COMPLETE	39		433
X-430	SOF10	COMPLETE	130		440
X-453	SOF2	COMPLETE	538		481
X-457	SOF12	COMPLETE	300		486
X-459	SOF5, 6, 9, 11, 13	COMPLETE	427	Cattle Pens	488
X-461	SOF9 and SOF12	COMPLETE	453	Padgett Cemetery	490
X-462	SOF9	COMPLETE	333		491
X-468	SOF9	COMPLETE	202		502
X-472	SOF2 and SOF9	COMPLETE	277		506
X-477	SOF13	COMPLETE	105	No cultural resources	511
X-479	SOF1a and 4a	COMPLETE	467		513
X-505	SOF12	COMPLETE	209		559
X-507	SOF2 and SOF9	COMPLETE	269		548
X-508	SOF9	COMPLETE	132	No cultural resources	549
X-509	SOF9	COMPLETE	144	No cultural resources	550
X-510	SOF9	COMPLETE	213		551
X-511	SOF9	COMPLETE	209		552
X-512	SOF9	COMPLETE	264		553
X-514	SOF2 and SOF9	COMPLETE	122	No cultural resources	555
X-515	SOF12	COMPLETE	247		561
X-516	SOF12	COMPLETE	432		562

Table F-26. 7SFG(A) Range Alternative 1 Survey Areas, Cont'd

Survey #	Range Required	NRHP Status	Acreage	Comments	Report on File 96 CEG/CEVH
X-517	SOF1a and 4a	COMPLETE	165		563
X-530	SOF10	COMPLETE	184	No cultural resources	578
X-531	SOF9	COMPLETE	222	No cultural resources	579
X-532	SOF9	COMPLETE	298		580
X-533	SOF9	COMPLETE	174	No cultural resources	581
X-534	SOF9	COMPLETE	235		582
X-535	SOF9	COMPLETE	243		583
X-536	SOF9	COMPLETE	358		584
X-537	SOF9	COMPLETE	177		585
X-540	SOF10	COMPLETE	372		588
X-555	SOF10	COMPLETE	174		603
X-557	SOF10	COMPLETE	65	No cultural resources	605
X-558	SOF6	COMPLETE	109	No cultural resources	606
X-608	SOF10	COMPLETE	214		691
X-608	SOF10	COMPLETE	214		691
X-609	SOF10	COMPLETE	289		692
X-609A	SOF10	COMPLETE	119	This area of survey unit X609 too contaminated with UXO to conduct shovel test.	692
X-669	SOF9	COMPLETE	340	TimberSale 03, 03LL04	761
X-670	SOF2 and SOF9	COMPLETE	339	TimberSale 03, 03LL04	762
X-671	SOF9	COMPLETE	459	TimberSale 03, 03LL04	763
X-671	SOF2	COMPLETE	459	TimberSale 03, 03LL04	763
X-674	SOF1a and 4a	COMPLETE	100	TimberSale 03, 03N06	766
X-675	SOF1/SOF3, SOF1a, SOF4a	COMPLETE	149	No cultural resources TimberSale 03, 03P12	769
X-677	SOF1a and 4a	COMPLETE	240	TimberSale 03, 03P15, 03P16	791
X-683	SOF12	COMPLETE	118	Rocky Creek Bridge	782
X-711	SOF2 and SOF9	COMPLETE	362	TimberSale	815
X-712	SOF2 and SOF9	COMPLETE	194	TimberSale	816
X-713	SOF2 and SOF9	COMPLETE	355	TimberSale	817
X-714	SOF2 and SOF9	COMPLETE	235	TimberSale	818
X-715	SOF2 and SOF9	COMPLETE	196	TimberSale	819
X-730	SOF9	COMPLETE	130	05TimberSale,05LL03	843
X-732	SOF12	REVIEW	345	05TimberSale,05LL01	844
X-738	SOF8 and SOF13	COMPLETE	49	05TimberSale,05N01 No cultural resources	847
X-740	SOF9	COMPLETE	348	05TimberSale,05LL04	848
X-745	SOF9	REVIEW	335	05TimberSale,05LL01	852
X-747	SOF12	REVIEW	655	05TimberSale,05LL01	854
X-776	SOF8, SOF12, SOF13	COMPLETE	280	Sect110 Inventory Completion	890

Table F-26. 7SFG(A) Range Alternative 1 Survey Areas, Cont'd

Survey #	Range Required	NRHP Status	Acreage	Comments	Report on File 96 CEG/CEVH
X-787	SOF9 and SOF10	REVIEW	129	Liner Survey Intensive 10,471 meters	
X-787a	SOF6 and SOF9	REVIEW	72	Liner Survey walkover 5,924 meters	
X-798	SOF2 and SOF9	COMPLETE			
X-802	SOF4	COMPLETE			
X-803	SOF1a and 4a	COMPLETE			
X-830	SOF6 and SOF9	REVIEW			
X-836	SOF6 and SOF9	COMPLETE			
X-842	SOF1/SOF3, SOF1a, SOF4a	COMPLETE			
X-845	SOF9	REVIEW			
X-867	SOF5, 6, 9, 11	REVIEW			
X-868	SOF6	REVIEW			
X-869	SOF5, 6, 9, 11, 13	REVIEW			
X-870	SOF2 and SOF9	REVIEW			
X-871	SOF2	REVIEW			
X-872	SOF10	REVIEW			
X-873	SOF10	REVIEW			
X-874	SOF10	REVIEW			
X-875	SOF10	REVIEW			
X-895	SOF8, SOF12, SOF13	REVIEW			
X-901	SOF1a and 4a	REVIEW			
X-912	SOF2 and SOF9	REVIEW			
X-913	SOF6 and SOF9	REVIEW			
X-914	SOF9	REVIEW			
X-915	SOF5, SOF6, SOF9, SOF11, SOF13	REVIEW			
X-917	SOF9	REVIEW			
X-918	SOF5, SOF6, SOF9, SOF11, SOF13	REVIEW			
X-940	SOF8 and SOF13	REVIEW		Historic	
X-968	SOF4a				
X-969	SOF2 and SOF9				
X-971	SOF2 and SOF9				

\*Note: Group 1 and 2 Ranges in this table. Range Alternatives 2, 3, 4, and 5 tables (Tables F-27 through F-31) contain only Group 1 Range Data as Group 2 Data is consistent across all alternatives.

7SFG(A) = 7<sup>th</sup> Special Forces Group (Airborne); NRHP = National Register of Historic Places; SOF = Special Operations Forces; UXO = Unexploded Ordnance

**Table F-27. 7SFG(A) Range Alternative 2 Survey Areas (Group 1 Ranges)\***

Survey Name	SOF Areas	SHPO Review Status	Acreage	Comments	Report on File 96 CEG/CEVH
X-275	SOF4	COMPLETE	877		268
X-367	SOF1a and SOF4a	COMPLETE	1307		352
X-384	SOF1a and SOF4a	COMPLETE	466		372
X-724	SOF1/SOF1a/SOF3/SOF4a	COMPLETE	170	05Timber Sale 05P12, No cultural resources	840
X-858	SOF1/SOF1a/SOF3/SOF4a	REVIEW			
X-931	SOF4a	REVIEW		Historic	
X-932	SOF1a and SOF4a	REVIEW		Historic	
X-933	SOF1a and SOF4a	REVIEW		Historic	
X-938	SOF1a, SOF4, SOF4a	REVIEW		Historic	
X-941	SOF1a and SOF4a	REVIEW		Prehistoric	

\*Range Alternatives 2, 3, 4, and 5 tables (Tables F-27 through F-31) contain only Group 1 Range Data as Group 2 Data (presented in Table F-26) is consistent across all alternatives.

7SFG(A) = 7<sup>th</sup> Special Forces Group (Airborne); 96 CEG/CEVH = 96<sup>th</sup> Civil Engineering Group/Cultural Resources Branch; SHPO = State Historic Preservation Officer; SOF = Special Operations Forces

**Table F-28. 7SFG(A) Range Alternative 3 Survey Areas (Group 1 Ranges)\***

Survey #	SOF Areas	NRHP Status	Acreage	Comments	Report on File 96 CEG/CEVH
X-392	SOF1/SOF3	COMPLETE	306		380
X-401	SOF1a and SOF4a	COMPLETE	601		390
X-594	SOF1a and SOF4a	COMPLETE	326		660
X-595	SOF1a and SOF4a	COMPLETE	323		661
X-596	SOF1a and SOF4a	COMPLETE	272		662
X-680	SOF1a and SOF4a	COMPLETE	87	No cultural resources, TimberSale 02, 02P01	769
X-945	SOF1a and SOF4a	REVIEW		For BRAC on EES 110 Survey	
X-945	SOF1a	REVIEW		For BRAC on EES 110 Survey	
X-946	SOF1a and SOF4a	REVIEW		BRAC Money Prehistoric/Historic	
X-947	SOF7	REVIEW		BRAC Money Historic	
X-963	SOF4				

\*Range Alternatives 2, 3, 4, and 5 tables (Tables F-27 through F-31) contain only Group 1 Range Data as Group 2 Data (presented in Table F-26) is consistent across all alternatives.

7SFG(A) = 7<sup>th</sup> Special Forces Group (Airborne); 96 CEG/CEVH = 96<sup>th</sup> Civil Engineering Group/Cultural Resources Branch; BRAC = Base Realignment and Closure; EES = Environmental Engineering Service, Inc.; NRHP = National Register of Historic Places; SOF = Special Operations Forces

Table F-29. 7SFG(A) Range Alternative 4 Survey Areas (Group 1 Ranges)\*

SOF Area	Survey Name	SHPO Review Status	Acreage	Comments	Report on File 96 CEG/CEVH
SOF1/SOF3/SOF4 /SOF4a/SOF7	X-321	COMPLETE	223		306
SOF1a	X-332	COMPLETE	232		297
SOF4	X-345	COMPLETE	425		304
SOF1a	X-382	COMPLETE	1001		370
SOF1a and SOF4a	X-385	COMPLETE	1399		373
SOF1a and SOF4a	X-394	COMPLETE	309		382
SOF1, SOF1a, SOF3, SOF4a	X-475	COMPLETE	322		509
SOF4a	X-568	COMPLETE	318		620
SOF1, SOF1a, SOF3, SOF4, SOF4a	X-569	COMPLETE	282		621
SOF4 and SOF7	X-570	COMPLETE	403		622
SOF4	X-639	COMPLETE	398	RTC Area, LZ East	720
SOF1, SOF3, SOF4, SOF4a	X-640	COMPLETE	146	RTC Area, Structure	721
SOF4 and SOF7	X-641	COMPLETE	52	No cultural resources, RTC Area	722
SOF1a and SOF4a	X-948	REVIEW		BRAC Money Prehistoric/Historic	
SOF1a and SOF4a	X-949	REVIEW		BRAC Money Prehistoric	

\*Range Alternatives 2, 3, 4, and 5 tables (Tables F-27 through F-31) contain only Group 1 Range Data as Group 2 Data (presented in Table F-26) is consistent across all alternatives.

7SFG(A) = 7<sup>th</sup> Special Forces Group (Airborne); 96 CEG/CEVH = 96<sup>th</sup> Civil Engineering Group/Cultural Resources Branch; BRAC = Base Realignment and Closure; EES = Environmental Engineering Service, Inc.; LZ = Landing Zone; NRHP = National Register of Historic Places; RTC = Range Tactical Control; SOF = Special Operations Forces

Table F-30. 7SFG(A) Range Alternative 5 Survey Areas (Group 1 Ranges)\*

Survey Name	SOF Area	NRHP Status	Acreage	Comments	Report on File 96 CEG/CEVH
X-248	SOF1, SOF3, SOF4, SOF4a, SOF7, SOF8, SOF13	COMPLETE	918	Survey	245
X-738	SOF1/SOF3	COMPLETE	49	05TimberSale, 05N01 No Cultural Resources	847
X-378E	SOF1a				
X-378W	SOF1a	COMPLETE	3497		366
X-562	SOF1a	COMPLETE	308		611
X-738	SOF1a	COMPLETE	49	05TimberSale, 05N01 No cultural resources	847
X-776	SOF1a	COMPLETE	280	Sect110 Inventory Completion	890
X-895	SOF1a	REVIEW			

**Table F-30. 7SFG(A) Range Alternative 5 Survey Areas (Group 1 Ranges)\*, Cont'd**

Survey Name	SOF Area	NRHP Status	Acreage	Comments	Report on File 96 CEG/CEVH
X-940	SOF1a	REVIEW		Historic	
X-319	SOF4	COMPLETE	192	No cultural resources	307
X-319	SOF4	COMPLETE	192	No cultural resources	307
X-775	SOF4	COMPLETE	218	Sect110 Inventory Completion	854
X-775	SOF4	COMPLETE	218	Sect110 Inventory Completion	854
X-775	SOF4	COMPLETE	218	Sect110 Inventory Completion	854
X-934	SOF4	REVIEW		Historic	
X-378E	SOF4a				
X-378W	SOF4a	COMPLETE	3497		366
X-562	SOF4a	COMPLETE	308		611
X-738	SOF4a	COMPLETE	49	05TimberSale, 05N01 No cultural resources	847
X-776	SOF4a	COMPLETE	280	Sect110 Inventory Completion	890
X-895	SOF4a	REVIEW			
X-940	SOF4a	REVIEW		Historic	

\*Range Alternatives 2, 3, 4, and 5 tables (Tables F-27 through F-31) contain only Group 1 Range Data as Group 2 Data (presented in Table F-26) is consistent across all alternatives.

7SFG(A) = 7<sup>th</sup> Special Forces Group (Airborne); 96 CEG/CEVH = 96<sup>th</sup> Civil Engineering Group/Cultural Resources Branch; NRHP = National Register of Historic Places; SOF = Special Operations Forces

**Table F-31. 7SFG(A) Range Drop Zones\***

Survey #	Alternative Area	NRHP Status	Acreage	Comments	Report on File 96 CEG/CEVH
X-262	Drop Zone	COMPLETE	202	No cultural resources	267
X-382	Drop Zone	COMPLETE	1001		370
X-475	Drop Zone	COMPLETE	322		509
X-551	Drop Zone	COMPLETE	271	No cultural resources	600
X-649	Drop Zone	COMPLETE	45	No cultural resources	730
X-728	Drop Zone	COMPLETE	122	05TimberSale, 05N04, no cultural resources	858
X-948	Drop Zone	REVIEW		BRAC Money Prehistoric/Historic	
X-949	Drop Zone	REVIEW		BRAC Money Prehistoric	
X-950	Drop Zone	REVIEW		BRAC Money Prehistoric	
X-951	Drop Zone	REVIEW		BRAC Money Prehistoric	

\*Range Alternatives 2, 3, 4, and 5 tables (Tables F-27 through F-31) contain only Group 1 Range Data as Group 2 Data (presented in Table F-26) is consistent across all alternatives.

7SFG(A) = 7<sup>th</sup> Special Forces Group (Airborne); 96 CEG/CEVH = 96<sup>th</sup> Civil Engineering Group/Cultural Resources Branch; BRAC = Base Realignment and Closure; NRHP = National Register of Historic Places

## Archaeological Sites Located in BRAC Alternative Areas (Data from Eglin AFB, 2008)

**Table F-32. 7SFG(A) Cantonment Alternatives Archaeological Sites**

Alternative	Site #	Site Description	Site Density	Comments	NRHP Status	Report on File 96 CEG/CEVH
5	8WL00147				Ineligible	PTA Report 1082
5	8WL01116	Prehistoric	Diffuse scatter	This site is heavily disturbed by erosion and the site integrity appears compromised.	Ineligible	
5	8WL01117	Prehistoric	Diffuse scatter	This is a small, low density site with little to no research potential.	Ineligible	
5	8WL01121	Prehistoric	Diffuse scatter	This site lacks demonstrable research potential.	Ineligible	
5	8WL01122	Prehistoric	Diffuse scatter	This site lacks demonstrable research potential.	Ineligible	
5	8WL01540	Prehistoric			Ineligible	
1C	8OK01835	Historic		Data recovery is in progress for restoration of Point of Interest 512.	Eligible	PTA Report 1010
1C	8OK01836	Historic	Variable density	Site represents a specialized use of the area associated with 8OK0835 and is significant in terms of 36 CFR 60. Site represents an outbuilding associated with 8OK01835. Artifacts suggest the presence of men and children. Manuel Brown homestead.	Eligible	PTA Report 835
2C	8OK00335	Prehistoric	Surface scatter	Not Significant	Ineligible	NWR Report 192

Table F-32. 7SFG(A) Cantonment Alternatives Archaeological Sites, Cont'd

Alternative	Site #	Site Description	Site Density	Comments	NRHP Status	Report on File 96 CEG/CEVH
2C	8OK02497	Prehistoric	Low density artifact	Lithics suggest tool maintenance. Collection is small and nondescript with no diagnostics. No features, midden, or activity areas identified. Site may be temporary station used where tool maintenance activity was done.	Ineligible	PTA Report 965
2D	8OK02588	Prehistoric			Ineligible	PTA Report 1028
2D	8OK02611				Ineligible	PTA Report 1085
2E	8OK01211	Prehistoric	Low density artifact	Site has been impacted by disturbance. Ceramics indicate a short term camp for collection purposes. Lithics indicate tool maintenance. Deptford component is intact. The only gain from more work is additional artifacts. Site has no research potential.	Ineligible	PTA Report 383
2E	8OK01212	Prehistoric	Low Density Artifact	Distribution suggests more disturbance than noted. Remains could be Okaloosa phase of Deptford. Site has minimal remains. No features or midden were located. Research for this site has been maximized at the survey level.	Ineligible	PTA Report 383

**Table F-32. 7SFG(A) Cantonment Alternatives Archaeological Sites, Cont'd**

Alternative	Site #	Site Description	Site Density	Comments	NRHP Status	Report on File 96 CEG/CEVH
2E	8OK01213	Prehistoric	Low Density Artifact	Site is minimal. Ceramics suggest a scene of activity during Deptford times. Site may be contemporaneous with 8OK1211 and 8OK1213. Site can be interpreted as no more than a short term camp with no further research potential.	Ineligible	PTA Report 383
2E	8OK02591	Historic			Potential	PTA Report 1027

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**Table F-33. 7SFG(A) Range Alternative 1 Archaeological Sites\***

Alternative Area	Site #	Site Description	Site Density	Comments	NRHP Status	Report on File 96 CEG/CEVH
SOF4	8OK00086	Prehistoric/ Historic	Low Density Artifact	Prehistoric unspecified this effort; Weeden Island previous efforts; Historic late 19th to early 20th century	Ineligible	PTA Report 926
SOF4	8OK02417	Historic	Unspecified	Middle 20th century	Potential	PTA Report 926
SOF4	8OK02418	Prehistoric	Low Density Artifact	Woodland, Weeden Island, Deptford	Ineligible	PTA Report 926
SOF1/ SOF3	8OK01013	Prehistoric	Diffuse scatter	Unidentified prehistoric, lithics only, possibly Archaic	Ineligible	
SOF1/ SOF3	8OK01014	Prehistoric	Unspecified	Prehistoric - series of collection stations	Ineligible	
SOF1	8OK00139	Prehistoric	Unspecified		Ineligible	
SOF1	8OK00414	Historic	Unspecified		Ineligible	NWR Report 192, PTA Report 226
SOF1	8OK00468	Prehistoric	Single artifact	Prehistoric Indeterminate	Ineligible	NWR Report 192
SOF1	8OK00869	Prehistoric/ Historic	Dense scatter		Eligible	PTA Report 226
SOF1	8OK01013	Prehistoric	Diffuse scatter	Unidentified prehistoric, lithics only, possibly Archaic	Ineligible	
SOF1	8OK01014	Prehistoric	Unspecified	Prehistoric - series of collection stations	Ineligible	
SOF1	8OK01016	Prehistoric	Diffuse scatter		Ineligible	

Table F-33. 7SFG(A) Range Alternative 1 Archaeological Sites\*, Cont'd

Alternative Area	Site #	Site Description	Site Density	Comments	NRHP Status	Report on File 96 CEG/CEVH
SOF1	8OK01648	Prehistoric			Ineligible	
SOF1	8OK01668	Prehistoric			Potential	
SOF1	8OK01670	Prehistoric/ Historic			Potential	
SOF1	8OK01674	Prehistoric			Ineligible	
SOF1	8OK02144	Prehistoric	Low density artifact	Deptford and prehistoric indeterminate	Potential	PTA Report 791
SOF1	8OK02145	Prehistoric	Low density artifact	Deptford component	Potential	PTA Report 791
SOF1	8OK02419	Prehistoric	Low density artifact	Late Paleo-Indian to Early Archaic and Deptford	Ineligible	PTA Report 927
SOF1	8OK02420	Prehistoric	Low density artifact		Ineligible	PTA Report 927
SOF4	8OK00139	Prehistoric	Unspecified		Ineligible	
SOF4	8OK00414	Historic	Unspecified		Ineligible	NWR Report 192, PTA Report 226
SOF4	8OK00415	Historic	Unspecified		Ineligible	NWR Report 192, PTA Report 226
SOF4	8OK00416	Prehistoric/ Historic	Unspecified		Ineligible	NWR Report 192, PTA Report 226
SOF4	8OK00468	Prehistoric	Single artifact	Prehistoric Indeterminate	Ineligible	NWR Report 192
SOF4	8OK00869	Prehistoric/ Historic	Dense scatter		Eligible	PTA Report 226
SOF4	8OK01013	Prehistoric	Diffuse scatter	Unidentified prehistoric, lithics only, possibly Archaic	Ineligible	
SOF4	8OK01014	Prehistoric	Unspecified	Prehistoric - series of collection stations	Ineligible	
SOF4	8OK01015	Prehistoric	Variable density	Weeden Island (Late Weeden Island?)	Ineligible	
SOF4	8OK01016	Prehistoric	Diffuse scatter		Ineligible	
SOF4	8OK01648	Prehistoric			Ineligible	
SOF4	8OK01668	Prehistoric			Potential	
SOF4	8OK01670	Prehistoric/ Historic			Potential	
SOF4	8OK01674	Prehistoric			Ineligible	
SOF4	8OK02144	Prehistoric	Low density artifact	Deptford and prehistoric indeterminate	Potential	PTA Report 791
SOF4	8OK02145	Prehistoric	Low density artifact	Deptford component	Potential	PTA Report 791
SOF4	8OK02420	Prehistoric	Low density artifact		Ineligible	PTA Report 927
SOF12	8WL01189	Prehistoric/ Historic	Variable density	Historic and Prehistoric scatter	Ineligible	

Table F-33. 7SFG(A) Range Alternative 1 Archaeological Sites\*, Cont'd

Alternative Area	Site #	Site Description	Site Density	Comments	NRHP Status	Report on File 96 CEG/CEVH
SOF12	8WL01192	Prehistoric	Diffuse scatter	Early Weeden Island	Ineligible	PTA Report 342
SOF12	8WL01392	Prehistoric	Low density artifact	Artifact scatters	Ineligible	PTA Report 366
SOF12	8WL01394	Prehistoric	Low density artifact	Artifact scatters	Ineligible	PTA Report 366
SOF12	8WL01395	Prehistoric/ Historic	Low density artifact	Artifact scatters	Potential	PTA Report 366
SOF12	8WL01401	Prehistoric	Low density artifact	2 artifact scatters	Ineligible	PTA Report 366
SOF12	8WL01402	Prehistoric	Low density artifact	Artifact scatters	Ineligible	PTA Report 366
SOF12	8WL01403	Prehistoric	Low density artifact	Several artifact scatters	Ineligible	PTA Report 366
SOF12	8WL01425	Prehistoric	Low density artifact	Indeterminate prehistoric lithic scatter	Ineligible	PTA Report 782
SOF12	8WL01662	Prehistoric			Ineligible	
SOF12	8WL01664	Prehistoric			Ineligible	
SOF12	8WL02031	Prehistoric	Low density artifact	Indeterminate prehistoric lithic scatter	Ineligible	PTA Report 843
SOF10	8WL00264	Prehistoric	Unspecified		Ineligible	NWR Report 192
SOF10	8WL00330	Prehistoric	Diffuse scatter		Ineligible	NWR Report 192
SOF10	8WL01680	Prehistoric			Ineligible	
SOF10	8WL01779	Prehistoric			Ineligible	
SOF10	8WL01800	Prehistoric			Ineligible	
SOF10	8WL01812	Prehistoric/ Historic	Low density artifact	Prehistoric indeterminate and historic 20th century	Ineligible	PTA Report 603
SOF10	8WL01813	Historic	Low density artifact		Potential	
SOF10	8WL01979	Prehistoric/ Historic	Low density artifact	Indeterminate prehistoric and 20th century historic	Ineligible	PTA Report 692
SOF10	8WL01985	Prehistoric/ Historic	Low density artifact	Indeterminate prehistoric component and 19th or 20th century occurrence	Ineligible	PTA Report 694
SOF12	8WL01392	Prehistoric	Low density artifact	Artifact scatters	Ineligible	PTA Report 366
SOF12	8WL01662	Prehistoric			Ineligible	
SOF12	8WL01664	Prehistoric			Ineligible	
SOF10	8WL01985	Prehistoric/ Historic	Low density artifact	Indeterminate prehistoric component and 19th or 20th century occurrence	Ineligible	PTA Report 694
SOF9	8WL00116	Historic			Potential	NWR Report 192

Table F-33. 7SFG(A) Range Alternative 1 Archaeological Sites\*, Cont'd

Alternative Area	Site #	Site Description	Site Density	Comments	NRHP Status	Report on File 96 CEG/CEVH
SOF9	8WL00156	Prehistoric/ Historic	Moderate density	Indeterminate prehistoric component and late 19th century to early 20th century homestead	Ineligible	PCI Report 002
SOF9	8WL00157	Historic	Low density artifact	Late 19th to early 20th century historic mill and dam site	Ineligible	PCI Report 002
SOF9	8WL00194	Prehistoric	Low density artifact	Weeden Island	Ineligible	PTA Report 506
SOF9	8WL00195	Prehistoric	Unspecified		Ineligible	NWR Report 192
SOF9	8WL00197	Prehistoric	Surface scatter	Prehistoric	Ineligible	NWR Report 192
SOF9	8WL00198	Prehistoric	Low density artifact	Prehistoric	Ineligible	NWR Report 192
SOF9	8WL00325	Historic		Late 19th to early 20th century	Ineligible	NWR Report 192
SOF9	8WL00361	Historic	Single artifact		Ineligible	
SOF9	8WL00362	Historic	Single artifact		Ineligible	
SOF9	8WL01015	Prehistoric	Diffuse scatter	Prehistoric Lithic scatter	Ineligible	PTA Report 293
SOF9	8WL01060	Prehistoric	Diffuse scatter	Weeden Island Camp	Ineligible	PTA Report 293
SOF9	8WL01061	Prehistoric	Diffuse scatter		Ineligible	PTA Report 293
SOF9	8WL01062	Prehistoric	Diffuse scatter		Ineligible	PTA Report 293
SOF9	8WL01063	Prehistoric	Diffuse scatter		Ineligible	PTA Report 293
SOF9	8WL01064	Prehistoric	Low density artifact	Lithic scatter	Ineligible	PTA Report 539
SOF9	8WL01065	Prehistoric	Diffuse scatter	Lithic scatter	Ineligible	PTA Report 293
SOF9	8WL01066	Prehistoric	Diffuse scatter	Campsite	Ineligible	PTA Report 293
SOF9	8WL01098	Prehistoric	Diffuse scatter	Small Weeden Island Camp	Ineligible	PTA report 309
SOF9	8WL01195	Prehistoric	Diffuse scatter	Ephemeral encampment	Ineligible	
SOF9	8WL01196	Prehistoric	Diffuse scatter	Woodland camp	Ineligible	
SOF9	8WL01197	Prehistoric	Diffuse scatter	Weeden Island camp	Ineligible	
SOF9	8WL01198				Ineligible	PTA Report 1106
SOF9	8WL01199	Prehistoric	Diffuse scatter	Woodland camp	Ineligible	
SOF9	8WL01200	Prehistoric	Diffuse scatter	Weeden Island camp	Ineligible	

Table F-33. 7SFG(A) Range Alternative 1 Archaeological Sites\*, Cont'd

Alternative Area	Site #	Site Description	Site Density	Comments	NRHP Status	Report on File 96 CEG/CEVH
SOF9	8WL01204	Prehistoric	Low density artifact	Indeterminate prehistoric lithic and ceramic scatter	Ineligible	PTA Report 343
SOF9	8WL01367	Historic	Surface scatter		Ineligible	PTA Report 363
SOF9	8WL01368	Prehistoric		Prehistoric scatter	Ineligible	PTA Report 363
SOF9	8WL01369	Prehistoric		Prehistoric	Ineligible	PTA Report 363
SOF9	8WL01370	Prehistoric		Prehistoric brief camp site	Ineligible	PTA Report 363
SOF9	8WL01371	Prehistoric		Prehistoric	Ineligible	PTA Report 363
SOF9	8WL01372	Prehistoric		Prehistoric	Ineligible	PTA Report 363
SOF9	8WL01375	Prehistoric		Prehistoric lithic scatter	Ineligible	PTA Report 363
SOF9	8WL01376	Prehistoric		Prehistoric - one-two occupations	Ineligible	PTA Report 363
SOF9	8WL01377	Prehistoric/ Historic	Variable density	Prehistoric and historic occupations	Ineligible	PTA Report 445
SOF9	8WL01426	Prehistoric	Low density artifact	Indeterminate prehistoric component	Ineligible	PTA Report 763
SOF9	8WL01503	Prehistoric/ Historic	Surface scatter	Prehistoric and Historic scatters	Ineligible	PTA Report 488
SOF9	8WL01511	Prehistoric/ Historic	Surface scatter	Prehistoric artifact scatter and historic turpentine camp	Ineligible	PTA Report 488
SOF9	8WL01518	Prehistoric	Low density artifact	Ephemeral camps	Ineligible	PTA Report 502
SOF9	8WL01519	Prehistoric/ Historic	Low density artifact	Indeterminate prehistoric and American unspecified	Ineligible	PTA Report 506
SOF9	8WL01520				Ineligible	PTA Report 1106
SOF9	8WL01535	Prehistoric		Prehistoric scatters	Ineligible	
SOF9	8WL01536	Prehistoric	Unspecified	Artifact scatter	Ineligible	
SOF9	8WL01543	Prehistoric	Moderate density	Early Archaic component	Ineligible	PTA Report 804
SOF9	8WL01647	Prehistoric			Ineligible	
SOF9	8WL01650	Prehistoric			Ineligible	
SOF9	8WL01651	Prehistoric			Ineligible	
SOF9	8WL01652	Prehistoric			Ineligible	
SOF9	8WL01682	Prehistoric	Unspecified	Prehistoric scatter	Ineligible	PTA Report 584
SOF9	8WL01701	Prehistoric			Ineligible	
SOF9	8WL01702	Prehistoric			Ineligible	
SOF9	8WL01711	Historic	Low density artifact	20th century artifact scatter	Ineligible	PTA Report 582
SOF9	8WL01717	Prehistoric	Low density artifact	Lithic scatter	Ineligible	PTA Report 582
SOF9	8WL01727	Prehistoric	Dense scatter	Late Paleo-Indian, Early Archaic, Bolen, Kirk, Weeden Island	Eligible	PTA Report 804
SOF9	8WL01728	Prehistoric	Low density artifact	Short-term camps	Ineligible	PTA Report 502

Table F-33. 7SFG(A) Range Alternative 1 Archaeological Sites\*, Cont'd

Alternative Area	Site #	Site Description	Site Density	Comments	NRHP Status	Report on File 96 CEG/CEVH
SOF9	8WL01736	Prehistoric	Low density artifact	Short-term camps	Ineligible	PTA Report 502
SOF9	8WL01759	Prehistoric	Dense scatter	Late Paleo-Indian, Early Archaic, Bolen, Kirk, Weeden island	Eligible	PTA Report 804
SOF9	8WL01766	Prehistoric/ Historic			Eligible	
SOF9	8WL01767	Prehistoric	Low density artifact	Indeterminate prehistoric	Ineligible	PTA Report 584
SOF9	8WL01780	Prehistoric/ Historic	Low density artifact	Prehistoric indeterminate. Possibly Deptford. Cat-faced and box-cut trees provide evidence of past naval stores gathering.	Ineligible	PTA Report 583
SOF9	8WL01781	Prehistoric	Low density artifact	Prehistoric indeterminate	Ineligible	PTA Report 583
SOF9	8WL01797	Historic	Low density artifact	19th to 20th century	Ineligible	PTA Report 583
SOF9	8WL01798	Historic	Low density artifact	20th century as per state form. Text and other area of the state form indicate possible connection to 19th century as well.	Ineligible	PTA Report 583
SOF9	8WL01802	Historic			Eligible	
SOF9	8WL01951	Historic	Surface scatter	19th century to 20th century	Ineligible	PTA Report 761
SOF9	8WL01978	Prehistoric	Low density artifact	Indeterminate prehistoric component	Ineligible	PTA Report 762
SOF9	8WL01983	Prehistoric	Low density artifact	Indeterminate prehistoric	Ineligible	PTA Report 815
SOF9	8WL01984	Prehistoric	Low density artifact	Indeterminate prehistoric lithic scatter	Ineligible	PTA Report 917
SOF9	8WL01992	Prehistoric/ Historic	Low density artifact	Santa Rosa, Swift Creek, Weeden Island, prehistoric indeterminate, historic indeterminate.	Ineligible	PTA Report 815
SOF9	8WL01993	Historic	Low density artifact	Late 19th or early 20th century	Ineligible	PTA Report 818
SOF9	8WL01995	Prehistoric	Low density artifact	Indeterminate prehistoric	Ineligible	PTA Report 815
SOF9	8WL02008	Prehistoric	Low density artifact	Weeden Island	Ineligible	PTA Report 819
SOF9	8WL02011	Prehistoric/ Historic			Potential	
SOF9	8WL02012	Prehistoric	Low density artifact	Indeterminate prehistoric lithic scatter	Ineligible	PTA Report 817

Table F-33. 7SFG(A) Range Alternative 1 Archaeological Sites\*, Cont'd

Alternative Area	Site #	Site Description	Site Density	Comments	NRHP Status	Report on File 96 CEG/CEVH
SOF9	8WL02016	Prehistoric/ Historic	Dense scatter	Weeden Island and 20th century homestead.	Potential	PTA Report 819
SOF9	8WL02037	Historic	Low density artifact	20 century homestead	Ineligible	PTA Report 844
SOF9	8WL02038	Prehistoric	Low density artifact	Indeterminate prehistoric component	Ineligible	PTA Report 848
SOF9	8WL02039	Prehistoric	Moderate density	Indeterminate prehistoric component	Ineligible	PTA Report 848
SOF9	8WL02047	Prehistoric	Low density artifact	Indeterminate prehistoric component	Ineligible	PTA Report 848
SOF9	8WL02077	Historic	Moderate density	19th century to 20th century possible homestead	Potential	PTA Report 905
SOF9	8WL02178	Prehistoric			Potential	PTA Report 1015
SOF9	8WL02200	Prehistoric			Ineligible	PTA Report 1015
SOF9	8WL02201	Prehistoric			Ineligible	PTA Report 1015
SOF9	8WL02225				Ineligible	PTA Report 1073
SOF9	8WL02226				Potential	PTA Report 1073
SOF9	8WL02227				Potential	PTA Report 1073
SOF9	8WL02231				Potential	PTA Report 1067
SOF9	8WL02232				Potential	PTA Report 1067
SOF9	8WL02233				Potential	PTA Report 1067
SOF9	8WL02236	Historic		20th century military structure remains	Ineligible	PTA Report 1070
SOF9	8WL02246	Prehistoric		Gulf Formational, Santa Rosa, Swift Creek, Elliots Point, Weeden Island	Potential	PTA Report 1069
SOF9	8WL02247	Prehistoric		Santa Rosa, Swift Creek	Ineligible	PTA Report 1069
SOF9	8WL02248	Prehistoric			Potential	PTA Report 1069
SOF9	8WL02249	Prehistoric		Gulf Formational, Elliots Point, Weeden Island	Ineligible	PTA Report 1069
SOF9	8WL02250	Prehistoric			Potential	PTA Report 1069
SOF9	8WL02251	Prehistoric			Potential	PTA Report 1069
SOF9	8WL02257				Ineligible	PTA Report 1068

Table F-33. 7SFG(A) Range Alternative 1 Archaeological Sites\*, Cont'd

Alternative Area	Site #	Site Description	Site Density	Comments	NRHP Status	Report on File 96 CEG/CEVH
SOF9	8WL02258				Potential	PTA Report 1068
SOF9	8WL02259				Ineligible	PTA Report 1068
SOF9	8WL02260				Ineligible	PTA Report 1068
SOF8	8OK01254	Prehistoric	Unspecified	Artifact scatters	Ineligible	PTA Report 366
SOF8	8WL00159	Historic	Unspecified	The bridge is in ruins. Only a few timbers and logs remain.	Ineligible	PTA Report 539
SOF8	8WL01387	Prehistoric	Low density artifact	Lithic scatters	Ineligible	PTA Report 366
SOF8	8WL01388	Prehistoric	Low density artifact	Artifact scatters	Ineligible	PTA Report 366
SOF8	8WL01394	Prehistoric	Low density artifact	Artifact scatters	Ineligible	PTA Report 366
SOF8	8WL01395	Prehistoric/ Historic	Low density artifact	Artifact scatters	Potential	PTA Report 366
SOF8	8WL01401	Prehistoric	Low density artifact	2 artifact scatters	Ineligible	PTA Report 366
SOF8	8WL01403	Prehistoric	Low density artifact	Several artifact scatters	Ineligible	PTA Report 366
SOF8	8WL01419	Prehistoric/ Historic	Low density artifact		Ineligible	PTA Report 366
SOF8	8WL01441	Prehistoric	Low density artifact	Artifact scatters	Ineligible	PTA Report 366
SOF8	8WL01443	Prehistoric	Low density artifact	Artifact scatters	Ineligible	PTA Report 366
SOF8	8WL01496	Historic	Moderate density	Historic scatter	Ineligible	PTA Report 366
SOF8	8WL01551	Prehistoric	Low density artifact	Artifact scatters	Ineligible	PTA Report 366
SOF8	8WL01553	Prehistoric	Low density artifact	Artifact scatters	Ineligible	PTA Report 366
SOF8	8WL01555	Prehistoric	Low density artifact	Artifact scatters	Potential	PTA Report 366
SOF8	8WL01556	Prehistoric	Low density artifact	Artifact scatters	Ineligible	PTA Report 366
SOF2	8WL00193	Prehistoric	Surface scatter	Prehistoric	Ineligible	NWR Report 192
SOF2	8WL00194	Prehistoric	Low density artifact	Weeden Island	Ineligible	PTA Report 506
SOF2	8WL00195	Prehistoric	Unspecified		Ineligible	NWR Report 192
SOF2	8WL00196	Prehistoric	Low density artifact	Prehistoric site	Potential	PTA Report 506
SOF2	8WL00197	Prehistoric	Surface scatter	Prehistoric	Ineligible	NWR Report 192
SOF2	8WL00198	Prehistoric	Low density artifact	Prehistoric	Ineligible	NWR Report 192
SOF2	8WL00361	Historic	Single artifact		Ineligible	

Table F-33. 7SFG(A) Range Alternative 1 Archaeological Sites\*, Cont'd

Alternative Area	Site #	Site Description	Site Density	Comments	NRHP Status	Report on File 96 CEG/CEVH
SOF2	8WL00362	Historic	Single artifact		Ineligible	
SOF2	8WL01015	Prehistoric	Diffuse scatter	Prehistoric Lithic scatter	Ineligible	PTA Report 293
SOF2	8WL01061	Prehistoric	Diffuse scatter		Ineligible	PTA Report 293
SOF2	8WL01195	Prehistoric	Diffuse scatter	Ephemeral encampment	Ineligible	
SOF2	8WL01196	Prehistoric	Diffuse scatter	Woodland camp	Ineligible	
SOF2	8WL01197	Prehistoric	Diffuse scatter	Weeden Island camp	Ineligible	
SOF2	8WL01198				Ineligible	PTA Report 1106
SOF2	8WL01199	Prehistoric	Diffuse scatter	Woodland camp	Ineligible	
SOF2	8WL01200	Prehistoric	Diffuse scatter	Weeden Island camp	Ineligible	
SOF2	8WL01204	Prehistoric	Low density artifact	Indeterminate prehistoric lithic and ceramic scatter	Ineligible	PTA Report 343
SOF2	8WL01519	Prehistoric/ Historic	Low density artifact	Indeterminate prehistoric and American unspecified	Ineligible	PTA Report 506
SOF2	8WL01520				Ineligible	PTA Report 1106
SOF2	8WL01803	Prehistoric	Unspecified	Deptford, Santa Rosa-Swift Creek, Weeden Island	Potential	PTA Report 506
SOF2	8WL01806	Prehistoric		Weeden Island	Ineligible	PTA Report 506
SOF2	8WL01807	Historic	Low density artifact	Early 20th century American refuse	Ineligible	PTA Report 506
SOF2	8WL01808	Prehistoric	Low density artifact	Early to middle Archaic and indeterminate	Ineligible	PTA Report 506
SOF2	8WL01809	Prehistoric	Low density artifact	Gulf Formational	Ineligible	PTA Report 506
SOF2	8WL01983	Prehistoric	Low density artifact	Indeterminate prehistoric	Ineligible	PTA Report 815
SOF2	8WL01984	Prehistoric	Low density artifact	Indeterminate prehistoric lithic scatter	Ineligible	PTA Report 917
SOF2	8WL01990	Prehistoric	Moderate density	Weeden Island	Ineligible	PTA Report 815
SOF2	8WL01991	Prehistoric	Moderate density	Weeden Island, Santa Rosa, Swift Creek	Potential	PTA Report 815
SOF2	8WL01992	Prehistoric/ Historic	Low density artifact	Santa Rosa, Swift Creek, Weeden Island, Prehistoric indeterminate, historic indeterminate.	Ineligible	PTA Report 815

Table F-33. 7SFG(A) Range Alternative 1 Archaeological Sites\*, Cont'd

Alternative Area	Site #	Site Description	Site Density	Comments	NRHP Status	Report on File 96 CEG/CEVH
SOF2	8WL01993	Historic	Low density artifact	Late 19th or early 20th century	Ineligible	PTA Report 818
SOF2	8WL01995	Prehistoric	Low density artifact	Indeterminate prehistoric	Ineligible	PTA Report 815
SOF2	8WL01996	Prehistoric	Low density artifact	Indeterminate prehistoric	Ineligible	PTA Report 816
SOF2	8WL02007	Prehistoric	Low density artifact	Prehistoric indeterminate	Ineligible	PTA Report 815
SOF2	8WL02008	Prehistoric	Low density artifact	Weeden Island	Ineligible	PTA Report 819
SOF2	8WL02009	Prehistoric	Low density artifact	Weeden Island	Ineligible	PTA Report 819
SOF2	8WL02010	Prehistoric	Low density artifact	Weeden Island and Woodland components	Ineligible	PTA Report 816
SOF2	8WL02011	Prehistoric/ Historic			Potential	
SOF2	8WL02012	Prehistoric	Low density artifact	Indeterminate prehistoric lithic scatter	Ineligible	PTA Report 817
SOF2	8WL02013	Prehistoric	Low density artifact	Prehistoric indeterminate lithic scatter	Ineligible	PTA Report 817
SOF2	8WL02014	Prehistoric	Low density artifact	Indeterminate Prehistoric	Ineligible	PTA Report 817
SOF2	8WL02015	Prehistoric	Low density artifact	Indeterminate prehistoric	Ineligible	PTA Report 819
SOF2	8WL02016	Prehistoric/ Historic	Dense scatter	Weeden Island and 20th century homestead	Potential	PTA Report 819
SOF2	8WL02017	Prehistoric	Moderate density	Weeden Island	Potential	PTA Report 817
SOF2	8WL02018	Prehistoric/ Historic	Moderate density	Indeterminate prehistoric and 20th century historic	Ineligible	PTA Report 817
SOF2	8WL02178	Prehistoric			Potential	PTA Report 1015
SOF2	8WL02198	Prehistoric			Ineligible	PTA Report 1015
SOF2	8WL02199	Prehistoric			Ineligible	PTA Report 1015
SOF2	8WL02200	Prehistoric			Ineligible	PTA Report 1015
SOF2	8WL02201	Prehistoric			Ineligible	PTA Report 1015
SOF2	8WL00194	Prehistoric	Low density artifact	Weeden Island	Ineligible	PTA Report 506
SOF2	8WL00195	Prehistoric	Unspecified		Ineligible	NWR Report 192
SOF2	8WL00197	Prehistoric	Surface scatter	Prehistoric	Ineligible	NWR Report 192

Table F-33. 7SFG(A) Range Alternative 1 Archaeological Sites\*, Cont'd

Alternative Area	Site #	Site Description	Site Density	Comments	NRHP Status	Report on File 96 CEG/CEVH
SOF2	8WL00198	Prehistoric	Low density artifact	Prehistoric	Ineligible	NWR Report 192
SOF2	8WL00361	Historic	Single artifact		Ineligible	
SOF2	8WL00362	Historic	Single artifact		Ineligible	
SOF2	8WL01015	Prehistoric	Diffuse scatter	Prehistoric Lithic scatter	Ineligible	PTA Report 293
SOF2	8WL01061	Prehistoric	Diffuse scatter		Ineligible	PTA Report 293
SOF2	8WL01195	Prehistoric	Diffuse scatter	Ephemeral encampment	Ineligible	
SOF2	8WL01196	Prehistoric	Diffuse scatter	Woodland camp	Ineligible	
SOF2	8WL01197	Prehistoric	Diffuse scatter	Weeden Island camp	Ineligible	
SOF2	8WL01198				Ineligible	PTA Report 1106
SOF2	8WL01199	Prehistoric	Diffuse scatter	Woodland camp	Ineligible	
SOF2	8WL01200	Prehistoric	Diffuse scatter	Weeden Island camp	Ineligible	
SOF2	8WL01386	Prehistoric	Variable density	Multiple use short camps	Ineligible	PTA Report 404
SOF2	8WL01426	Prehistoric	Low density artifact	Indeterminate prehistoric component	Ineligible	PTA Report 763
SOF2	8WL01519	Prehistoric/ Historic	Low density artifact	Indeterminate prehistoric and American unspecified	Ineligible	PTA Report 506
SOF2	8WL01520				Ineligible	PTA Report 1106
SOF2	8WL01803	Prehistoric	Unspecified	Deptford, Santa Rosa-Swift Creek, Weeden Island	Potential	PTA Report 506
SOF2	8WL01806	Prehistoric		Weeden Island	Ineligible	PTA Report 506
SOF2	8WL01808	Prehistoric	Low density artifact	Early to middle Archaic and indeterminate	Ineligible	PTA Report 506
SOF2	8WL01809	Prehistoric	Low density artifact	Gulf Formational	Ineligible	PTA Report 506
SOF2	8WL01983	Prehistoric	Low density artifact	Indeterminate prehistoric	Ineligible	PTA Report 815
SOF2	8WL01984	Prehistoric	Low density artifact	Indeterminate prehistoric lithic scatter	Ineligible	PTA Report 917
SOF2	8WL01990	Prehistoric	Moderate density	Weeden Island	Ineligible	PTA Report 815
SOF2	8WL01991	Prehistoric	Moderate density	Weeden Island, Santa Rosa, Swift Creek	Potential	PTA Report 815

**Table F-33. 7SFG(A) Range Alternative 1 Archaeological Sites\*, Cont'd**

Alternative Area	Site #	Site Description	Site Density	Comments	NRHP Status	Report on File 96 CEG/CEVH
SOF2	8WL01992	Prehistoric/ Historic	Low density artifact	Santa Rosa, Swift Creek, Weeden Island, prehistoric indeterminate, historic indeterminate.	Ineligible	PTA Report 815
SOF2	8WL01993	Historic	Low density artifact	Late 19th or early 20th century	Ineligible	PTA Report 818
SOF2	8WL01994	Prehistoric	Low density artifact	Deptford	Ineligible	PTA Report 816
SOF2	8WL01995	Prehistoric	Low density artifact	Indeterminate prehistoric	Ineligible	PTA Report 815
SOF2	8WL01996	Prehistoric	Low density artifact	Indeterminate prehistoric	Ineligible	PTA Report 816
SOF2	8WL02007	Prehistoric	Low density artifact	Prehistoric indeterminate	Ineligible	PTA Report 815
SOF2	8WL02008	Prehistoric	Low density artifact	Weeden Island	Ineligible	PTA Report 819
SOF2	8WL02009	Prehistoric	Low density artifact	Weeden Island	Ineligible	PTA Report 819
SOF2	8WL02010	Prehistoric	Low density artifact	Weeden Island and Woodland components	Ineligible	PTA Report 816
SOF2	8WL02011	Prehistoric/ Historic			Potential	
SOF2	8WL02012	Prehistoric	Low density artifact	Indeterminate prehistoric lithic scatter	Ineligible	PTA Report 817
SOF2	8WL02013	Prehistoric	Low density artifact	Prehistoric indeterminate lithic scatter	Ineligible	PTA Report 817
SOF2	8WL02014	Prehistoric	Low density artifact	Indeterminate prehistoric	Ineligible	PTA Report 817
SOF2	8WL02015	Prehistoric	Low density artifact	Indeterminate prehistoric	Ineligible	PTA Report 819
SOF2	8WL02016	Prehistoric/ Historic	Dense scatter	Weeden Island and 20th century homestead	Potential	PTA Report 819
SOF2	8WL02017	Prehistoric	Moderate density	Weeden Island	Potential	PTA Report 817
SOF2	8WL02018	Prehistoric/ Historic	Moderate density	Indeterminate prehistoric and 20th century historic	Ineligible	PTA Report 817
SOF2	8WL02178	Prehistoric			Potential	PTA Report 1015
SOF2	8WL02198	Prehistoric			Ineligible	PTA Report 1015
SOF2	8WL02199	Prehistoric			Ineligible	PTA Report 1015
SOF2	8WL02200	Prehistoric			Ineligible	PTA Report 1015
SOF2	8WL02201	Prehistoric			Ineligible	PTA Report 1015

Table F-33. 7SFG(A) Range Alternative 1 Archaeological Sites\*, Cont'd

Alternative Area	Site #	Site Description	Site Density	Comments	NRHP Status	Report on File 96 CEG/CEVH
SOF6	8WL02226				Potential	PTA Report 1073
SOF6	8WL02258				Potential	PTA Report 1068
SOF5	8WL01503	Prehistoric/ Historic	Surface scatter	Prehistoric and historic scatters	Ineligible	PTA Report 488
SOF5	8WL01510	Prehistoric	Unspecified	Prehistoric lithic scatter	Ineligible	PTA Report 488
SOF5	8WL01511	Prehistoric/ Historic	Surface scatter	Prehistoric artifact scatter and historic turpentine camp	Ineligible	PTA Report 488
SOF5	8WL01512	Prehistoric/ Historic	Surface scatter		Ineligible	PTA Report 488
SOF5	8WL02207	Historic			Ineligible	PTA Report 1014
SOF5	8WL02211	Historic			Ineligible	PTA Report 1014
SOF11	8WL00115	Prehistoric	Diffuse scatter		Ineligible	NWR Report 192
SOF11	8WL00116	Historic			Potential	NWR Report 192
SOF11	8WL01503	Prehistoric/ Historic	Surface scatter	Prehistoric and historic scatters	Ineligible	PTA Report 488
SOF11	8WL01510	Prehistoric	Unspecified	Prehistoric lithic scatter	Ineligible	PTA Report 488
SOF11	8WL01511	Prehistoric/ Historic	Surface scatter	Prehistoric artifact scatter and historic turpentine camp	Ineligible	PTA Report 488
SOF11	8WL01512	Prehistoric/ Historic	Surface scatter		Ineligible	PTA Report 488
SOF11	8WL02207	Historic			Ineligible	PTA Report 1014
SOF11	8WL02211	Historic			Ineligible	PTA Report 1014
SOF13	8OK01254	Prehistoric	Unspecified	Artifact scatters	Ineligible	PTA Report 366
SOF13	8WL00116	Historic			Potential	NWR Report 192
SOF13	8WL00159	Historic	Unspecified	The bridge is in ruins. Only a few timbers and logs remain.	Ineligible	PTA Report 539
SOF13	8WL01387	Prehistoric	Low density artifact	Lithic scatters	Ineligible	PTA Report 366
SOF13	8WL01388	Prehistoric	Low density artifact	Artifact scatters	Ineligible	PTA Report 366
SOF13	8WL01396	Prehistoric	Low density artifact	Artifact scatters	Ineligible	PTA Report 366
SOF13	8WL01397	Prehistoric	Low density artifact	Artifact scatters	Ineligible	PTA Report 366
SOF13	8WL01398	Prehistoric	Low density artifact	Artifact scatters	Ineligible	PTA Report 366
SOF13	8WL01399	Prehistoric	Low density artifact	Artifact scatters	Ineligible	PTA Report 366

Table F-33. 7SFG(A) Range Alternative 1 Archaeological Sites\*, Cont'd

Alternative Area	Site #	Site Description	Site Density	Comments	NRHP Status	Report on File 96 CEG/CEVH
SOF13	8WL01400	Prehistoric	Low density artifact	Artifact scatters	Ineligible	PTA Report 366
SOF13	8WL01401	Prehistoric	Low density artifact	2 artifact scatters	Ineligible	PTA Report 366
SOF13	8WL01416	Prehistoric	Moderate density	Artifact scatters	Potential	PTA Report 366
SOF13	8WL01419	Prehistoric/ Historic	Low density artifact		Ineligible	PTA Report 366
SOF13	8WL01441	Prehistoric	Low density artifact	Artifact scatters	Ineligible	PTA Report 366
SOF13	8WL01443	Prehistoric	Low density artifact	Artifact scatters	Ineligible	PTA Report 366
SOF13	8WL01496	Historic	Moderate density	Historic scatter	Ineligible	PTA Report 366
SOF13	8WL01503	Prehistoric/ Historic	Surface scatter	Prehistoric and historic scatters	Ineligible	PTA Report 488
SOF13	8WL01512	Prehistoric/ Historic	Surface scatter		Ineligible	PTA Report 488
SOF13	8WL01551	Prehistoric	Low density artifact	Artifact scatters	Ineligible	PTA Report 366
SOF13	8WL01553	Prehistoric	Low density artifact	Artifact scatters	Ineligible	PTA Report 366
SOF13	8WL01555	Prehistoric	Low density artifact	Artifact scatters	Potential	PTA Report 366
SOF13	8WL01556	Prehistoric	Low density artifact	Artifact scatters	Ineligible	PTA Report 366
SOF13	8WL02207	Historic			Ineligible	PTA Report 1014
SOF2	8WL01520				Ineligible	PTA Report 1106
SOF2	8WL01520				Ineligible	PTA Report 1106
SOF2	8WL01520				Ineligible	PTA Report 1106
SOF2	8WL01520				Ineligible	PTA Report 1106
SOF2	8WL02199	Prehistoric			Ineligible	PTA Report 1015
SOF2	8WL00195	Prehistoric	Unspecified		Ineligible	NWR Report 192
SOF2	8WL02199	Prehistoric			Ineligible	PTA Report 1015
SOF2	8WL00195	Prehistoric	Unspecified		Ineligible	NWR Report 192
SOF2	8WL02199	Prehistoric			Ineligible	PTA Report 1015
SOF2	8WL00195	Prehistoric	Unspecified		Ineligible	NWR Report 192
SOF2	8WL00195	Prehistoric	Unspecified		Ineligible	NWR Report 192
SOF2	8WL02198	Prehistoric			Ineligible	PTA Report 1015

Table F-33. 7SFG(A) Range Alternative 1 Archaeological Sites\*, Cont'd

Alternative Area	Site #	Site Description	Site Density	Comments	NRHP Status	Report on File 96 CEG/CEVH
SOF2	8WL02198	Prehistoric			Ineligible	PTA Report 1015
SOF2	8WL02198	Prehistoric			Ineligible	PTA Report 1015
SOF2	8WL02198	Prehistoric			Ineligible	PTA Report 1015
SOF2	8WL02198	Prehistoric			Ineligible	PTA Report 1015
SOF2	8WL01198				Ineligible	PTA Report 1106
SOF6	8WL00054	Prehistoric/ Historic	Low density artifact	Prehistoric unspecified and late 19th to early 20th century	Review	No report was generated.
SOF6	8WL01511	Prehistoric/ Historic	Surface scatter	Prehistoric artifact scatter and historic turpentine camp	Ineligible	PTA Report 488
SOF6	8WL02225				Ineligible	PTA Report 1073
SOF6	8WL02226				Potential	PTA Report 1073
SOF6	8WL02227				Potential	PTA Report 1073
SOF6	8WL02229	Historic		American 20th century John W. Gladwell Homestead	Potential	PTA Report 1070
SOF6	8WL02230	Historic		20th Century military camera pad site	Ineligible	PTA Report 1070
SOF6	8WL02236	Historic		20th century military structure remains	Ineligible	PTA Report 1070
SOF5	8WL02211	Historic			Ineligible	PTA Report 1014
SOF5	8WL01512	Prehistoric/ Historic	Surface scatter		Ineligible	PTA Report 488
SOF5	8WL02211	Historic			Ineligible	PTA Report 1014
SOF5	8WL01512	Prehistoric/ Historic	Surface scatter		Ineligible	PTA Report 488
SOF5	8WL02207	Historic			Ineligible	PTA Report 1014
SOF5	8WL01503	Prehistoric/ Historic	Surface scatter	Prehistoric and historic scatters	Ineligible	PTA Report 488
SOF9	8WL02233				Potential	PTA Report 1067
SOF9	8WL01098	Prehistoric	Diffuse scatter	Small Weeden Island camp	Ineligible	PTA report 309
SOF9	8WL01518	Prehistoric	Low density artifact	Ephemeral camps	Ineligible	PTA Report 502
SOF9	8WL01736	Prehistoric	Low density artifact	Short-term camps	Ineligible	PTA Report 502
SOF9	8WL02231				Potential	PTA Report 1067

**Table F-33. 7SFG(A) Range Alternative 1 Archaeological Sites\*, Cont'd**

Alternative Area	Site #	Site Description	Site Density	Comments	NRHP Status	Report on File 96 CEG/CEVH
SOF9	8WL02232				Potential	PTA Report 1067
SOF9	8WL02233				Potential	PTA Report 1067
SOF9	8WL02246	Prehistoric		Gulf Formational, Santa Rosa, Swift Creek, Elliots Point, Weeden Island	Potential	PTA Report 1069
SOF9	8WL02247	Prehistoric		Santa Rosa, Swift Creek	Ineligible	PTA Report 1069
SOF9	8WL02248	Prehistoric			Potential	PTA Report 1069
SOF9	8WL02249	Prehistoric		Gulf Formational, Elliots Point, Weeden Island	Ineligible	PTA Report 1069
SOF9	8WL02250	Prehistoric			Potential	PTA Report 1069
SOF9	8WL02251	Prehistoric			Potential	PTA Report 1069
SOF9	8WL02257				Ineligible	PTA Report 1068
SOF9	8WL02258				Potential	PTA Report 1068
SOF9	8WL02259				Ineligible	PTA Report 1068
SOF9	8WL02260				Ineligible	PTA Report 1068

\*Note: Group 1 and 2 Ranges are presented in this table. Range Alternatives 2, 3, 4, and 5 tables (Tables F-34 through F-37) contain only Group 1 Range Data as Group 2 Data is consistent across all alternatives.

7SFG(A) = 7<sup>th</sup> Special Forces Group (Airborne); 96 CEG/CEVH = 96<sup>th</sup> Civil Engineering Group/Cultural Resources Branch; NRHP = National Register of Historic Places; NWR = New World Research, Inc.; PTA = Prentice Thomas and Associates, Inc.

**Table F-34. 7SFG(A) Range Alternative 2 Archaeological Sites (Group 1 Ranges)\***

Alternative Area	Site #	Site Description	Site Density	Comments	NRHP Status	Report on File 96 CEG/CEVH
SOF1a	8OK00149	Prehistoric/ Historic	Dense scatter	Along with the historic component, including turpentine community structures and associated features, a single prehistoric flake of indeterminate age was recovered in Test Unit 4.	Eligible	PanAm Report 0001
SOF1a	8OK00156	Prehistoric	Artifact scatter	Multiple use	Ineligible	
SOF1a	8OK00163	Historic	Low Density Artifact	Historic early 20th century naval stores operation	Eligible	PTA Report 540

**Table F-34. 7SFG(A) Range Alternative 2 Archaeological Sites (Group 1 Ranges)\*, Cont'd**

Alternative Area	Site #	Site Description	Site Density	Comments	NRHP Status	Report on File 96 CEG/CEVH
SOF1a	8OK01186	Prehistoric/ Historic	Low Density Artifact	Historic and prehistoric scatters	Ineligible	PTA Report 352
SOF1a	8OK01191	Prehistoric	Low Density Artifact	Weeden Island and Gulf Formational	Ineligible	PTA Report 352
SOF1a	8OK01198	Prehistoric	Diffuse scatter	One or more transient campsites	Ineligible	
SOF1a	8OK02617	Historic			Ineligible	PTA Report 1088
SOF4a	8OK00149	Prehistoric/ Historic	Dense scatter	Along with the historic component, including turpentine community structures and associated features, a single prehistoric flake of indeterminate age was recovered in Test Unit 4.	Eligible	PanAm Report 0001
SOF4a	8OK00156	Prehistoric	Artifact scatter	Multiple use	Ineligible	
SOF4a	8OK00163	Historic	Low Density Artifact	Historic early 20th century naval stores operation	Eligible	PTA Report 540
SOF4a	8OK01186	Prehistoric/ Historic	Low Density Artifact	Historic and prehistoric scatters	Ineligible	PTA Report 352
SOF4a	8OK01191	Prehistoric	Low Density Artifact	Weeden Island and Gulf Formational	Ineligible	PTA Report 352
SOF4a	8OK01198	Prehistoric	Diffuse scatter	One or more transient campsites	Ineligible	
SOF4a	8OK01200	Prehistoric/ Historic	Artifact scatter		Ineligible	
SOF4a	8OK02617	Historic			Ineligible	PTA Report 1088

\*Range Alternatives 2, 3, 4, and 5 tables (Tables F-34 through F-37) contain only Group 1 Range Data as Group 2 Data (presented in Table F-33) is consistent across all alternatives.

7SFG(A) = 7<sup>th</sup> Special Forces Group (Airborne); 96 CEG/CEVH = 96<sup>th</sup> Civil Engineering Group/Cultural Resources Branch; NRHP = National Register of Historic Places; PTA = Prentice Thomas and Associates, Inc.

**Table F-35. 7SFG(A) Range Alternative 3 Archaeological Sites (Group 1 Ranges)\***

Alternative Area	Site #	Site Description	Comments	Site Density	NRHP Status	Report on File 96 CEG/CEVH
SOF1/SOF3	8OK01208	Prehistoric	Prehistoric Single use	Artifact scatter	Ineligible	
SOF1/SOF3	8OK01209	Prehistoric	Prehistoric Single use	Artifact scatter	Ineligible	
SOF1/SOF3	8OK01210	Prehistoric	Prehistoric Single use	Artifact scatter	Ineligible	
SOF7	8OK02625				Ineligible	PTA Report 1100
SOF4	8OK00305	Prehistoric	Prehistoric	Single artifact	Ineligible	NWR Report 192
SOF1a	8OK01027	Prehistoric	Indeterminate Prehistoric	Low density artifact	Ineligible	PTA Report 661
SOF1a	8OK01204	Prehistoric			Ineligible	
SOF1a	8OK01205	Historic			Ineligible	
SOF1a	8OK01240	Prehistoric			Ineligible	
SOF1a	8OK01817	Prehistoric			Ineligible	
SOF1a	8OK01818	Prehistoric			Potential	
SOF1a	8OK02635	Prehistoric			Potential	PTA Report 1098
SOF4a	8OK01027	Prehistoric	Indeterminate Prehistoric	Low density artifact	Ineligible	PTA Report 661
SOF4a	8OK01204	Prehistoric			Ineligible	
SOF4a	8OK01205	Historic			Ineligible	
SOF4a	8OK01240	Prehistoric			Ineligible	
SOF4a	8OK01817	Prehistoric			Ineligible	
SOF4a	8OK01818	Prehistoric			Potential	

\*Range Alternatives 2, 3, 4, and 5 tables (Tables F-34 through F-37) contain only Group 1 Range Data as Group 2 Data (presented in Table F-33) is consistent across all alternatives.

7SFG(A) = 7<sup>th</sup> Special Forces Group (Airborne); 96 CEG/CEVH = 96<sup>th</sup> Civil Engineering Group/Cultural Resources Branch; NRHP = National Register of Historic Places; NWR = New World Research, Inc.; PTA = Prentice Thomas and Associates, Inc.

**Table F-36. 7SFG(A) Range Alternative 4 Archaeological Sites (Group 1 Ranges)\***

Alternative Area	Site #	Site Description	Comments	Site Density	NRHP Status	Report on File 96 CEG/CEVH
SOF1/SOF3	8WL01725	Prehistoric			Ineligible	
SOF1a	8WL01249	Prehistoric	Site too disturbed-components ID by diagnostics	Diffuse scatter	Ineligible	
SOF1a	8WL01251	Prehistoric	Prehistoric scatter	Diffuse scatter	Ineligible	
SOF1a	8WL01252	Prehistoric/ Historic	Prehistoric and historic scatters	Diffuse scatter	Ineligible	
SOF1a	8WL01259	Prehistoric	Prehistoric scatter	Diffuse scatter	Ineligible	
SOF1a	8WL01548	Prehistoric			Ineligible	

Table F-36. 7SFG(A) Range Alternative 4 Archaeological Sites (Group 1 Ranges)\*, Cont'd

Alternative Area	Site #	Site Description	Comments	Site Density	NRHP Status	Report on File 96 CEG/CEVH
SOF4	8WL01086	Prehistoric	Small camp	Diffuse scatter	Ineligible	
SOF4	8WL01087	Prehistoric	Small camp	Diffuse scatter	Ineligible	
SOF4	8WL01091	Prehistoric	Small Weeden Island camp	Diffuse scatter	Ineligible	
SOF4	8WL01092	Prehistoric		Diffuse scatter	Ineligible	
SOF4	8WL01819	Prehistoric/ Historic	Indeterminate prehistoric and 20th century homestead	Variable density	Potential	PTA Report 622
SOF4	8WL01920	Prehistoric	Indeterminate prehistoric	Low Density Artifact	Ineligible	PTA Report 721
SOF4a	8WL00137	Historic	Historic Native American campsite	Low Density Artifact	Ineligible	PTA Report 299
SOF4a	8WL00145	Historic	1900s alcohol still	Unspecified	Ineligible	NWR Report 192
SOF4a	8WL00160	Prehistoric		Unspecified	Ineligible	NWR Report 192
SOF4a	8WL00346	Prehistoric		Single artifact	Ineligible	
SOF4a	8WL00347	Prehistoric		Single artifact	Ineligible	
SOF4a	8WL01249	Prehistoric	Site too disturbed-components identified by diagnostics	Diffuse scatter	Ineligible	
SOF4a	8WL01251	Prehistoric	Prehistoric scatter	Diffuse scatter	Ineligible	
SOF4a	8WL01252	Prehistoric/ Historic	Prehistoric and Historic scatters	Diffuse scatter	Ineligible	
SOF4a	8WL01259	Prehistoric	Prehistoric scatter	Diffuse scatter	Ineligible	
SOF4a	8WL01548	Prehistoric			Ineligible	
SOF4a	8WL01549	Prehistoric			Ineligible	
SOF4a	8WL01724	Prehistoric			Ineligible	
SOF4a	8WL01725	Prehistoric			Ineligible	
SOF4a	8WL01792	Prehistoric			Ineligible	
SOF7	8WL01790	Prehistoric	Woodland	Low Density Artifact	Ineligible	PTA Report 622

\*Range Alternatives 2, 3, 4, and 5 tables (Tables F-34 through F-37) contain only Group 1 Range Data as Group 2 Data (presented in Table F-33) is consistent across all Alternatives; 7SFG(A) = 7<sup>th</sup> Special Forces Group (Airborne); 96 CEG/CEVH = 96<sup>th</sup> Civil Engineering Group/Cultural Resources Branch; CFR = NRHP = National Register of Historic Places; NWR = New World Research, Inc.; PTA = Prentice Thomas and Associates, Inc.

Table F-37. 7SFG(A) Range Alternative 5 Archaeological Sites (Group 1 Ranges)\*

Alternative Area	Site #	Site Description	Comments	Site Density	NRHP Status	Report on File 96 CEG/CEVH
SOF1a	8OK01254	Prehistoric	Artifact scatters	Unspecified	Ineligible	PTA Report 366
SOF1a	8WL00159	Historic	The bridge is in ruins. Only a few timbers and logs remain.	Unspecified	Ineligible	PTA Report 539
SOF1a	8WL01387	Prehistoric	Lithic scatters	Low density artifact	Ineligible	PTA Report 366
SOF1a	8WL01388	Prehistoric	Artifact scatters	Low density artifact	Ineligible	PTA Report 366
SOF1a	8WL01394	Prehistoric	Artifact scatters	Low density Artifact	Ineligible	PTA Report 366
SOF1a	8WL01395	Prehistoric/ Historic	Artifact scatters	Low Density artifact	Potential	PTA Report 366
SOF1a	8WL01397	Prehistoric	Artifact scatters	Low density artifact	Ineligible	PTA Report 366
SOF1a	8WL01398	Prehistoric	Artifact scatters	Low density artifact	Ineligible	PTA Report 366
SOF1a	8WL01400	Prehistoric	Artifact scatters	Low density artifact	Ineligible	PTA Report 366
SOF1a	8WL01401	Prehistoric	2 artifact scatters	Low density artifact	Ineligible	PTA Report 366
SOF1a	8WL01403	Prehistoric	Several artifact scatters	Low density artifact	Ineligible	PTA Report 366
SOF1a	8WL01416	Prehistoric	Artifact scatters	Moderate density	Potential	PTA Report 366
SOF1a	8WL01419	Prehistoric/ Historic		Low density artifact	Ineligible	PTA Report 366
SOF1a	8WL01441	Prehistoric	Artifact scatters	Low density artifact	Ineligible	PTA Report 366
SOF1a	8WL01443	Prehistoric	Artifact scatters	Low density artifact	Ineligible	PTA Report 366
SOF1a	8WL01496	Historic	Historic scatter	Moderate density	Ineligible	PTA Report 366
SOF1a	8WL01551	Prehistoric	Artifact scatters	Low density artifact	Ineligible	PTA Report 366
SOF1a	8WL01555	Prehistoric	Artifact scatters	Low density artifact	Potential	PTA Report 366
SOF1a	8WL01556	Prehistoric	Artifact scatters	Low density artifact	Ineligible	PTA Report 366
SOF4a	8OK01254	Prehistoric	Artifact scatters	Unspecified	Ineligible	PTA Report 366
SOF4a	8WL00159	Historic	The bridge is in ruins. Only a few timbers and logs remain.	Unspecified	Ineligible	PTA Report 539

Table F-37. 7SFG(A) Range Alternative 5 Archaeological Sites (Group 1 Ranges)\*, Cont'd

Alternative Area	Site #	Site Description	Comments	Site Density	NRHP Status	Report on File 96 CEG/CEVH
SOF4a	8WL01387	Prehistoric	Lithic scatters	Low density artifact	Ineligible	PTA Report 366
SOF4a	8WL01388	Prehistoric	Artifact scatters	Low density artifact	Ineligible	PTA Report 366
SOF4a	8WL01396	Prehistoric	Artifact scatters	Low density artifact	Ineligible	PTA Report 366
SOF4a	8WL01397	Prehistoric	Artifact scatters	Low density artifact	Ineligible	PTA Report 366
SOF4a	8WL01398	Prehistoric	Artifact scatters	Low density artifact	Ineligible	PTA Report 366
SOF4a	8WL01399	Prehistoric	Artifact scatters	Low density artifact	Ineligible	PTA Report 366
SOF4a	8WL01400	Prehistoric	Artifact scatters	Low density artifact	Ineligible	PTA Report 366
SOF4a	8WL01401	Prehistoric	2 artifact scatters	Low density artifact	Ineligible	PTA Report 366
SOF4a	8WL01416	Prehistoric	Artifact scatters	Moderate density	Potential	PTA Report 366
SOF4a	8WL01419	Prehistoric/ Historic		Low density artifact	Ineligible	PTA Report 366
SOF4a	8WL01441	Prehistoric	Artifact scatters	Low density artifact	Ineligible	PTA Report 366
SOF4a	8WL01443	Prehistoric	Artifact scatters	Low density artifact	Ineligible	PTA Report 366
SOF4a	8WL01496	Historic	Historic scatter	Moderate density	Ineligible	PTA Report 366
SOF4a	8WL01551	Prehistoric	Artifact scatters	Low density artifact	Ineligible	PTA Report 366
SOF4a	8WL01553	Prehistoric	Artifact scatters	Low density artifact	Ineligible	PTA Report 366
SOF4a	8WL01555	Prehistoric	Artifact scatters	Low density artifact	Potential	PTA Report 366
SOF4a	8WL01556	Prehistoric	Artifact scatters	Low density artifact	Ineligible	PTA Report 366
SOF7	8OK00955	Historic	World War II structural remains of unused targets	Unspecified	Ineligible	PTA Report 539
SOF7	8OK00955	Historic	World War II structural remains of unused targets	Unspecified	Ineligible	PTA Report 539

\*Range Alternatives 2, 3, 4, and 5 tables (Tables F-34 through F-37) contain only Group 1 Range Data as Group 2 Data (presented in Table F-33) is consistent across all alternatives; 7SFG(A) = 7<sup>th</sup> Special Forces Group (Airborne); 96 CEG/CEVH = 96<sup>th</sup> Civil Engineering Group/Cultural Resources Branch; NRHP = National Register of Historic Places; PTA = Prentice Thomas and Associates, Inc.

**Table F-38. Archaeological Sites within Drop Zones for 7SFG(A) Range Alternatives**

Alternative Area	Site #	Site Description	Site Density	Comments	NRHP Status	Report on File 96 CEG/CEVH
Proposed DZ, Southeast	8WL00158	Historic	Structure remains	20th century bridge remains	Ineligible	PTA Report 1104
Proposed DZ, Southeast	8WL02253	Prehistoric	Diffuse	Gulf Formational Elliotts Point	Potential	PTA Report 1104

7SFG(A) = 7<sup>th</sup> Special Forces Group (Airborne); 96 CEG/CEVH = 96<sup>th</sup> Civil Engineering Group/Cultural Resources Branch; DZ = Drop Zone; NRHP = National Register of Historic Places; PTA = Prentice Thomas and Associates, Inc.

### Historic Buildings Located in BRAC Alternative Areas (Data from Eglin AFB, 2008)

**Table F-39. 7SFG(A) Cantonment Alternative 1B Structures**

Structure ID	NRHP Criterion	NRHP Status	NRHP District Name	Construction Date	Comments
001315	A	Eligible	SAC	1959	Building has moderate to heavy alterations. Focused on SAC/TAC alert area dating 1958-1975. Building is eligible for the NRHP as a noncontributing member to the SAC Alert Area District.
001317	A	Ineligible		1941	Building does not appear to meet criteria for listing on the NRHP due to its lack of distinctive historical association and nonhistorical alterations.
001320		Under review			
001321	A	Eligible	SAC	1962	Building maintains a good degree of integrity. Structure has undergone no major additions or alterations. Warehouse was used to provide storage of spare parts. Building 1321 is a contributing member to the SAC Alert District.

Table F-39. 7SFG(A) Cantonment Alternative 1B Structures, Cont'd

Structure ID	NRHP Criterion	NRHP Status	NRHP District Name	Construction Date	Comments
001322		Under review			
001324	A	Potentially eligible		1970	Building may be eligible for nomination to the NRHP on its own merit but is not a part of the SAC District because it was constructed after the time period of the SAC mission at Eglin.
001325	A	Potentially eligible		1970	Building may be eligible for nomination to the NRHP on its own merit but is not a part of the SAC District because it was constructed after the time period of the SAC mission at Eglin.
001326	A	Eligible	SAC	1959	Four of seven aspects of integrity for NRHP nomination are intact. Building has been substantially altered. Building has no major additions. Building is a noncontributing member to the SAC Alert District.
001328	A	Eligible	SAC	1959	Building has seen minor exterior alterations. Historic significance focused on SAC/TAC alert, 1958-1975. Building is eligible for nomination to the NRHP as a contributing member to the SAC Alert District.
001331	NA	Ineligible		1962	Building does not appear to meet the criteria for listing on the NRHP due to its common design and lack of distinctive historical association.

Table F-39. 7SFG(A) Cantonment Alternative 1B Structures, Cont'd

Structure ID	NRHP Criterion	NRHP Status	NRHP District Name	Construction Date	Comments
002591		Not assessed			Structure was determined by Russell Gunter; no foundation or historical significance to require a formal assessment.

7SFG(A) = 7<sup>th</sup> Special Forces Group (Airborne); ID = Identification; NA = Not Applicable; NRHP = National Register of Historic Places; SAC = Strategic Air Command; TAC = Tactical Air Command

Table F-40. 7SFG(A) Range Alternative 1 Structures (Group 1 and 2 Ranges)\*

SOF Area	Structure ID	NRHP Criterion	NRHP Status	NRHP District Name	Construction Date	Comments
SOF9	008709	NA	Ineligible	NA	1951	Building is ineligible for nomination to the NRHP. Recommend no further work or consideration.
SOF9	008712	NA	Ineligible	NA	1943	Building is ineligible for nomination to the NRHP. Recommend no further work or consideration.
SOF9	008721	NA	Ineligible	NA	1956	Building is ineligible for nomination to the NRHP. Recommend no further work or consideration.
SOF5, 11, 13	008723	NA	Potentially eligible	NA	1957	8723 is ineligible for nomination to the NRHP. Building is vacant and all equipment has been removed.
SOF6, SOF9	008725	NA	Potentially eligible	NA	1957	8725 is pending ineligible for nomination to the NRHP. No further work or consideration is recommended.
SOF6, SOF9	008801	NA	Ineligible	8WL02239	1944	8801 was evaluated ineligible for nomination to the NRHP. This evaluation has no new information to change that evaluation. Structure is ineligible for nomination to the NRHP.
SOF6, SOF9	008805	NA	Ineligible	8WL02239	1951	8805 was evaluated ineligible for nomination to the NRHP. This evaluation has no new

Table F-40. 7SFG(A) Range Alternative 1 Structures (Group 1 and 2 Ranges)\*, Cont'd

SOF Area	Structure ID	NRHP Criterion	NRHP Status	NRHP District Name	Construction Date	Comments
						information to change that evaluation. Structure is ineligible for nomination to the NRHP.
SOF10	009502	A	Potentially eligible	Range E	1954	9502 is eligible for nomination to the NRHP under Criterion A. Building is part of the Range E District which has not yet been formally established. 9502 must be protected.
SOF10	009503	A	Potentially eligible	Range E	1954	9503 is eligible for the NRHP under Criterion A. 9503 should be listed as a contributing member to the Range E District. District has not yet been formally documented, but has been accepted by the SHPO.
SOF10	009504	A	Eligible	Range E	1954	Building is not eligible for nomination to the NRHP on its own merit and is a contributing member to the Range E District.
SOF10	009511	A	Eligible	Range E	1954	Building is not eligible for nomination to the NRHP on its own merit and is a contributing member to the Range E District
SOF10	009512	A	Eligible	Range E	1954	Building is not eligible for nomination to the NRHP on its own merit but is a contributing member to the Range E District.
SOF9	Berm 52-01	A	Potentially eligible	NA	1950	The target is considered potentially eligible because the area needs a formal evaluation for historic value. Criterion A is applied based on the overall Eglin mission and the mission of Range 52.
SOF9	Berm 52-02	A	Potentially eligible	NA	1950	The target is considered potentially eligible because the area needs a formal evaluation for historic value.

Table F-40. 7SFG(A) Range Alternative 1 Structures (Group 1 and 2 Ranges)\*, Cont'd

SOF Area	Structure ID	NRHP Criterion	NRHP Status	NRHP District Name	Construction Date	Comments
						Criterion A is applied based on the overall Eglin mission and the mission of Range 52.
SOF6, SOF9	Bunker C-52N	A	Potentially eligible	NA	1944	Structure has not been registered with a State ID. Structure is to be evaluated based on new information in range context reports. This effort was to locate and map the structure only.
SOF9	Crossbow 01	A	Listed	8WL01687	1944	Structure is listed on the NRHP as a contributing member of the Operation Crossbow District. Crossbow contributed to American understanding and capabilities of WWII wartime weapons and aircraft.
SOF9	Crossbow 02	A	Listed	8WL01687	1944	Structure is listed on the NRHP as a contributing member of the Operation Crossbow District. Crossbow contributed to American understanding and capabilities of WWII wartime weapons and aircraft.
SOF9	Crossbow 03	A	Listed	8WL01687	1944	Structure is listed on the NRHP as a contributing member of the Operation Crossbow District. Crossbow contributed to American understanding and capabilities of WWII wartime weapons and aircraft.
SOF9	Crossbow 04	A	Listed	8WL01687	1944	Structure is listed on the NRHP as a contributing member of the Operation Crossbow District. Crossbow contributed to American understanding and capabilities of WWII wartime weapons and aircraft.
SOF9	Crossbow 05	A	Listed	8WL01687	1944	Structure is listed on the NRHP as a contributing member of the Operation

Table F-40. 7SFG(A) Range Alternative 1 Structures (Group 1 and 2 Ranges)\*, Cont'd

SOF Area	Structure ID	NRHP Criterion	NRHP Status	NRHP District Name	Construction Date	Comments
						Crossbow District. Crossbow contributed to American understanding and capabilities of WWII wartime weapons and aircraft.
SOF9	Crossbow 06	A	Listed	8WL01687	1944	Structure is listed on the NRHP as a contributing member of the Operation Crossbow District. Crossbow contributed to American understanding and capabilities of WWII wartime weapons and aircraft.
SOF9	Crossbow 07	A	Listed	8WL01687	1944	Structure is listed on the NRHP as a contributing member of the Operation Crossbow District. Crossbow contributed to American understanding and capabilities of WWII wartime weapons and aircraft.
SOF9	Crossbow 08	A	Listed	8WL01687	1944	Structure is listed on the NRHP as a contributing member of the Operation Crossbow District. Crossbow contributed to American understanding and capabilities of WWII wartime weapons and aircraft.
SOF9	Crossbow 09	A	Listed	8WL01687	1944	Structure is listed on the NRHP as a contributing member of the Operation Crossbow District. Crossbow contributed to American understanding and capabilities of WWII wartime weapons and aircraft.
SOF9	Crossbow 10	A	Listed	8WL01687	1944	Structure is considered a contributing member of the Operation Crossbow District and was not listed in the original NRHP nomination. Crossbow contributed to American understanding and capabilities of WWII wartime

**Table F-40. 7SFG(A) Range Alternative 1 Structures (Group 1 and 2 Ranges)\*, Cont'd**

SOF Area	Structure ID	NRHP Criterion	NRHP Status	NRHP District Name	Construction Date	Comments
						weapons and aircraft.
SOF9	Crossbow 11	A	Listed	8WL01687	1944	Structure is considered a contributing member of the Operation Crossbow District and was not listed in the original NRHP nomination. Crossbow contributed to American understanding and capabilities of WWII wartime weapons and aircraft.
SOF9	Crossbow 12	A		8WL01687	1944	Structure is considered a contributing member of the Operation Crossbow District and was not listed in the original NRHP nomination. Crossbow contributed to American understanding and capabilities of WWII wartime weapons and aircraft.
SOF6, SOF9, SOF11	Crossbow 15	A	Potentially eligible	8WL01687	1944	Structure is considered a contributing member of the Operation Crossbow District and was not listed in the original NRHP nomination. Crossbow contributed to American understanding and capabilities of WWII wartime weapons and aircraft.
SOF9	Crossbow 16	A	Potentially eligible	8WL01687	1944	Structure is considered a contributing member of the Operation Crossbow District and was not listed in the original NRHP nomination. Crossbow contributed to American understanding and capabilities of WWII wartime weapons and aircraft.
SOF6, SOF11	Crossbow 16	A	Potentially eligible	8WL01687	1944	Structure is considered a contributing member of the Operation Crossbow District and was not listed in the original NRHP nomination. Crossbow contributed to American understanding and capabilities of WWII wartime

Table F-40. 7SFG(A) Range Alternative 1 Structures (Group 1 and 2 Ranges)\*, Cont'd

SOF Area	Structure ID	NRHP Criterion	NRHP Status	NRHP District Name	Construction Date	Comments
						weapons and aircraft.
SOF6, SOF9, SOF11	Dugout	A	Potentially eligible	NA	1944	Contributed greatly to Allied offensives against Japanese strongholds during WWII. Eglin developed tactics and weapons to destroy Japanese facilities. A formal evaluation must be completed to determine the historical value of this area.
SOF9	Field 8	A	Potentially eligible	NA	1942	Field 8 requires a formal evaluation for eligibility to be nominated to the NRHP. The facility will be considered potentially eligible for the NHRP for Section 106 purposes until the evaluation has been accomplished.
SOF6, SOF9, SOF11	Field 8	A	Potentially eligible	NA	1942	Field 8 requires a formal evaluation for eligibility to be nominated to the NRHP. The facility will be considered potentially eligible for the NHRP for Section 106 purposes until the evaluation has been accomplished.
SOF6, SOF9	Little Tokyo	A	Potentially eligible	NA	1943	Little Tokyo contributed to American understanding and capabilities of WWII wartime weapons and aircraft against the Japanese style construction of structures. Little Tokyo will be formally evaluated.
SOF6, SOF9	TT-05	A	Potentially eligible	NA	1944	Structure is considered potentially eligible based on information in the Range Context Report (Weitze, 2005). This project was to relocate and map the structure in GIS.
SOF10	TT-63	A	Potentially eligible	8WL01687	1944	Structure is considered a contributing member of the Operation Crossbow District and was not listed in the

**Table F-40. 7SFG(A) Range Alternative 1 Structures (Group 1 and 2 Ranges)\*, Cont'd**

SOF Area	Structure ID	NRHP Criterion	NRHP Status	NRHP District Name	Construction Date	Comments
						original NRHP nomination. Crossbow contributed to American understanding and capabilities of WWII wartime weapons and aircraft.
SOF10	TT-64	A	Potentially eligible	8WL01687	1944	Structure is considered a contributing member of the Operation Crossbow District and was not listed in the original NRHP nomination. Crossbow contributed to American understanding and capabilities of WWII wartime weapons and aircraft.

\*Note: Group 1 and 2 Ranges are presented in this table. Range Alternative 5 table (Table F-41) contains only Group 1 Range Data as Group 2 Data is consistent across all alternatives.

7SFG(A) = 7<sup>th</sup> Special Forces Group (Airborne); ID = Identification; GIS = Geographic Information System; NA = Not Applicable; NRHP = National Register of Historic Places; SHPO = State Historic Preservation Officer; SOF = Special Operations Forces ; WWII = World War II

**7SFG(A) Range Alternative 2 Structures (Group 1 Ranges)**

No historic structures on Group 1 Ranges under this Alternative.

**7SFG(A) Range Alternative 3 Structures (Group 1 Ranges)**

No historic structures on Group 1 Ranges under this Alternative.

**7SFG(A) Range Alternative 4 Structures (Group 1 Ranges)**

No historic structures on Group 1 Ranges under this Alternative.

**7SFG(A) Range Alternative 5 Structures (Group 1 Ranges)**

**Table F-41. 7SFG(A) Range Alternative 5 Structures (Group 1 Ranges)\***

Alternative Area	Structure ID	NRHP Criterion	NRHP Status	Construction Date	Comments
SOF7	MS2	A	Duplicate	1940	Further evaluation of the range and associated structures is required to make a determination for eligibility for nomination to the NRHP.

Table F-41. 7SFG(A) Range Alternative 5 Structures (Group 1 Ranges)\*, Cont'd

Alternative Area	Structure ID	NRHP Criterion	NRHP Status	Construction Date	Comments
SOF7	MS1	A	Duplicate	1940	Structure is a clay landing strip on range C-53. Further evaluation of the range and associated structures is required to make a determination for eligibility for nomination to the NRHP.
SOF7	MS1	NA	Review	1956	MS1 is recommended ineligible for nomination to the NRHP. MS1 is a training facility low on the DoD Cold War hierarchy for NRHP properties. MS1 has low historic and architectural significance.
SOF7	MS2	NA	Review	1953	MS2 is recommended ineligible for nomination to the NRHP. MS2 was a training facility low on the DoD Cold War hierarchy for NRHP properties. MS2 has little architectural significance as an earth berm and railroad track.
SOF7	MS1	A	Duplicate	1940	Structure is a clay landing strip on range C-53. Further evaluation of the range and associated structures is required to make a determination for eligibility for nomination to the NRHP.
SOF7	MS1	NA	Review	1956	MS1 is recommended ineligible for nomination to the NRHP. MS1 is a training facility low on the DoD Cold War hierarchy for NRHP properties. MS1 has low historic and architectural significance.
SOF7	MS1	A	Duplicate	1940	Structure is a clay landing strip on range C-53. Further evaluation of the range and associated structures is required to make a determination for eligibility for nomination to the NRHP.
SOF7	MS1	NA	Review	1956	MS1 is recommended ineligible for nomination to the NRHP. MS1 is a training facility low on the DoD Cold War hierarchy for NRHP properties. MS1 has low historic and architectural significance.
SOF7	MS2	A	Duplicate	1940	Further evaluation of the range and associated structures is required to make a determination for eligibility for nomination to the NRHP.
SOF7	MS1	A	Duplicate	1940	Structure is a clay landing strip on range C-53. Further evaluation of the range and associated structures is required to make a determination for eligibility for nomination to the NRHP.

**Table F-41. 7SFG(A) Range Alternative 5 Structures (Group 1 Ranges)\*, Cont'd**

Alternative Area	Structure ID	NRHP Criterion	NRHP Status	Construction Date	Comments
SOF7	MS1	NA	Review	1956	MS1 is recommended ineligible for nomination to the NRHP. MS1 is a training facility low on the DoD Cold War hierarchy for NRHP properties. MS1 has low historic and architectural significance.
SOF7	MS2	NA	Review	1953	MS2 is recommended ineligible for nomination to the NRHP. MS2 was a training facility low on the DoD Cold War hierarchy for NRHP properties. MS2 has little architectural significance as an earth berm and railroad track.

\*Range Alternative 5 table contains only Group 1 Range Data as Group 2 Data (presented in Table F-40) is consistent across all alternatives.

7SFG(A) = 7<sup>th</sup> Special Forces Group (Airborne); DoD = Department of Defense; ID = Identification; NA = Not Applicable; NRHP = National Register of Historic Places; SOF = Special Operations Forces

**Table F-42. JSF Alternative 1 Structures**

Structure ID	NRHP Criterion	NRHP Status	NRHP District Name	Construction Date	Comment
001315	A	Eligible	SAC	1959	Building maintains a sufficient degree of integrity as defined by the NRHP. Alterations to the original design date to the SAC period and are in keeping with the original design. Building is eligible for nomination to the NRHP as a contributing member to the SAC Alert Area District.
001317	A	Ineligible		1941	Building does not appear to meet criteria for listing on the NRHP due to its lack of distinctive historical association and nonhistorical alterations. Building 1317 has the fenestration and entries heavily altered. Building is ineligible for nomination to the NRHP. Recommend no further work or consideration.
001318	A	Eligible	SAC	1972	Building has seen only minor alterations from its original design. Eligibility is focused on SAC/TAC alert, 1958-1975. Building is a contributing member of the SAC/TAC Alert District. Building 1318 is eligible for nomination to the NRHP as a contributing member to the SAC/TAC Alert District.

Table F-42. JSF Alternative 1 Structures, Cont'd

Structure ID	NRHP Criterion	NRHP Status	NRHP District Name	Construction Date	Comment
001321	A	Eligible	SAC		Building maintains a good degree of integrity. Structure has undergone no major additions or alterations. Warehouse was used to provide storage of spare parts. Building 1321 is a contributing member to the SAC Alert District. Building 1321 is eligible for nomination to the NRHP as a contributing member to the SAC Alert District.
001324	A	Potentially Eligible		1970	Building may be eligible for nomination to the NRHP on its own merit but is not a part of the SAC District because it was constructed after the time period of the SAC mission at Eglin.
001325	A	Potentially Eligible		1970	Building may be eligible for nomination to the NRHP on its own merit but is not a part of the SAC District because it was constructed after the time period of the SAC mission at Eglin.
001326	A	Eligible	SAC		Four of seven aspects of integrity for NRHP nomination are intact. Building has been substantially altered. Building has no major additions. Building is a noncontributing member to the SAC Alert District.
001328	A	Eligible	SAC	1959	Building has seen minor exterior alterations. Historic significance focused on SAC/TAC alert, 1958-1975. Building is eligible for nomination to the NRHP as a contributing member to the SAC Alert District.
001331	NA	Ineligible		1962	Building does not appear to meet the criteria for listing on the NRHP due to its common design and lack of distinctive historical association.
001339	A	Eligible	SAC		Building maintains a high degree of integrity. Structure is essentially unaltered from its original design. The building is a contributing member to the SAC Alert District.

**Table F-42. JSF Alternative 1 Structures, Cont'd**

Structure ID	NRHP Criterion	NRHP Status	NRHP District Name	Construction Date	Comment
001341	A	Eligible	SAC		Due to the date of construction, physical location, and unaltered condition, the building is a contributing member of the SAC Alert District. Building maintains a high degree of integrity.
001343	A	Eligible	SAC	1959	Building 1343 has undergone minor exterior alterations. Evaluation is focused on SAC/TAC alert dated 1958-1975. Building is a contributing member to the SAC Alert District.
001344	A	Eligible	SAC	1959	Building 1344 has minor exterior alterations. Evaluation is focused on SAC/TAC alert, 1958-1975. Building 1344 is a contributing member to the SAC Alert District.
001345	A	Eligible	SAC	1959	Building 1345 has undergone minor exterior alterations. Evaluation is focused on SAC/TAC alert dating 1958-1975. Building 1345 is a contributing member to the SAC Alert District.
001351	A	Eligible	SAC	1959	Building 1351 integrity is intact. Evaluation is focused on SAC/TAC alert dating 1958-1975. Building 1351 is a contributing member to the SAC Alert District.
001352	A	Eligible	SAC	1959	Evaluation focused on SAC/TAC alert dated 1958-1975. Building 1352 is a contributing member to the SAC Alert District.
001353	A	Eligible	SAC	1959	Evaluation focused on SAC/TAC alert dating 1958-1975. Building is a non contributing member to the SAC Alert District due to the alterations.
001355	A	Eligible	SAC	1959	Building is a key structure for the SAC Alert District. Building maintains a high degree of integrity. Modifications are mostly confined to the interior and of continued use type.

Table F-42. JSF Alternative 1 Structures, Cont'd

Structure ID	NRHP Criterion	NRHP Status	NRHP District Name	Construction Date	Comment
001367	A	Potentially Eligible	SAC	1978	Building was built after the period of historic significance at parking ramp Z-1. The building adds no value to the SAC Alert Mission. The building is a non contributing member of the SAC Alert District.
001398	A	Potentially Eligible	SAC	1989	Building is a hush house for engine run up for TAC aircraft. Building is not associated with the SAC Alert mission. The building is a noncontributing member to the SAC Alert District.
001399	A	Potentially Eligible	SAC	1989	Building is a hush house for engine run up for TAC aircraft. Building is not associated with the SAC Alert mission. The building is a noncontributing member to the SAC Alert District.
001441	A	Potentially Eligible	SAC	1989	Building was built after the period of historical significance. Building has no association with the SAC Alert mission. Building is a noncontributing member to the SAC Alert District.
Ramp Z-1	A	Eligible	SAC		The Christmas Tree Apron maintains a high degree of integrity. Very few buildings have been added to the historic area. The original 45-degree herringbone pattern is still in place with no overlaid pavement obscuring the configuration. Structure is a contributing member to the SAC Alert District and is eligible for nomination to the NRHP.
Ramp Z-2	A	Eligible	SAC		The Christmas Tree Apron maintains a high degree of integrity. Very few buildings have been added to the historic area. The original 45-degree herringbone pattern is still in place with no overlaid pavement obscuring the configuration. Structure is a contributing member to the SAC Alert District and is eligible for nomination to the NRHP.

**Table F-42. JSF Alternative 1 Structures, Cont'd**

Structure ID	NRHP Criterion	NRHP Status	NRHP District Name	Construction Date	Comment
Ramp Z-3	A	Eligible	SAC		The Christmas Tree Apron maintains a high degree of integrity. Very few buildings have been added to the historic area. The original 45-degree herringbone pattern is still in place with no overlaid pavement obscuring the configuration. Structure is a contributing member to the SAC Alert District and is eligible for nomination to the NRHP.
Ramp Z-4	A	Eligible	SAC		The Christmas Tree Apron maintains a high degree of integrity. Very few buildings have been added to the historic area. The original 45-degree herringbone pattern is still in place with no overlaid pavement obscuring the configuration. Structure is a contributing member to the SAC Alert District and is eligible for nomination to the NRHP.
Ramp Z-5	A	Eligible	SAC		The Christmas Tree Apron maintains a high degree of integrity. Very few buildings have been added to the historic area. The original 45-degree herringbone pattern is still in place with no overlaid pavement obscuring the configuration. Structure is a contributing member to the SAC Alert District and is eligible for nomination to the NRHP.
Taxiway A	A	Eligible	SAC		The Christmas Tree Apron maintains a high degree of integrity. Very few buildings have been added to the historic area. The original 45-degree herringbone pattern is still in place with no overlaid pavement obscuring the configuration. Structure is a contributing member to the SAC Alert District and is eligible for nomination to the NRHP.

Table F-42. JSF Alternative 1 Structures, Cont'd

Structure ID	NRHP Criterion	NRHP Status	NRHP District Name	Construction Date	Comment
Taxiway C	A	Eligible	SAC	1960	The Christmas Tree Apron maintains a high degree of integrity. Very few buildings have been added to the historic area. The original 45-degree herringbone pattern is still in place with no overlaid pavement obscuring the configuration. Structure is a contributing member to the SAC Alert District and is eligible for nomination to the NRHP.

ID = Identification; JSF = Joint Strike Fighter; NA = Not Applicable; NRHP = National Register of Historic Places; SAC = Strategic Air Command; TAC = TAC = Tactical Air Command

Table F-43. JSF Alternative 2 Structures

Structure ID	NRHP Criterion	NRHP Status	Date of Construction	Comments
000030		Eligible		Building is eligible for nomination to the NRHP as a contributing member of the Eglin Field District.
000031	NA	Ineligible	1943	Building is ineligible for nomination to the NRHP. Recommend no further work or consideration. Building is not a member of the Eglin Field District as previously suggested.
000035	A	Eligible	1941	Building 35 is eligible for nomination on its own merit and is eligible to be nominated as a contributing member to the Eglin District. SHPO agrees with the findings of the report.
000036	A	Eligible	1941	Building 36 is evaluated eligible for nomination to the NHRP and recommended for inclusion within the Eglin Field Historic District. District resource group and nomination were not updated.
000066	A	Demolished	1943	Historic American Building Survey (HABS) Level 1 report submitted to the SHPO so the facility can be demolished.
000068	A	Eligible	1942	Hangar is eligible for nomination to the NRHP. It is one of the first at Eglin and is associated with Lt. Colonel James Doolittle.
000071	NA	Ineligible	1943	Building is ineligible for nomination to the NRHP. Recommend no further work or consideration.
000072		Ineligible	1978	Evaluated by Diana Godwin as potentially eligible.
000073	C	Eligible	1962	Building is eligible for nomination to the NRHP under criteria A and C.
000082		Ineligible		Building is ineligible for nomination to the

Table F-43. JSF Alternative 2 Structures, Cont'd

Structure ID	NRHP Criterion	NRHP Status	Date of Construction	Comments
				NRHP. Recommend no further work or consideration.
000100	NA	Ineligible	1956	Building is ineligible for nomination to the NRHP. Recommend no further work or consideration.
000102	NA	Ineligible	1948	Building does not appear to meet criteria for listing on the NRHP due to its common design and lack of distinctive historical association.
000103	NA	Ineligible	1948	Building does not appear to meet criteria for listing on the NRHP due to its common design and lack of distinctive historical association.
000105	NA	Ineligible	1955	Building is ineligible for nomination to the NRHP. Recommend no further work or consideration.
000106	NA	Ineligible	1957	Building is ineligible for nomination to the NRHP. Recommend no further work or consideration.
000107	NA	Ineligible	1956	Building is ineligible for nomination to the NRHP. Recommend no further work or consideration.
000110	A and C	Eligible	1947	Hangar 110 is historically significant and a potential member to a possible district. Eglin concurs with the evaluation of the SHPO. Building must be preserved.
000116	NA	Ineligible	1948	Building is ineligible for nomination to the NRHP. Recommend no further work or consideration.
000121	NA	Ineligible	1952	Building is ineligible for nomination to the NRHP. Recommend no further work or consideration.
000127	NA	Ineligible	1955	Building does not appear to meet criteria for listing on the NRHP due to its lack of distinctive historical association and nonhistorical alterations.
000129		Ineligible		Building is ineligible for nomination to the NRHP. Recommend no further work or consideration.
000130	A	Eligible	1954	Hangar is eligible for nomination to the NRHP under criteria A, B, C, and G. The structure should be recorded outlined in HABS/HAER Level 1 to accommodate needs for the military mission to modify the existing structure.
000136	NA	Ineligible	1955	Building does not appear to meet criteria for listing on the NRHP due to its common design, lack of distinctive historical association, and

**Table F-43. JSF Alternative 2 Structures, Cont'd**

Structure ID	NRHP Criterion	NRHP Status	Date of Construction	Comments
				nonhistorical alterations.
000415	NA	Ineligible	1972	Building is ineligible for nomination to the NRHP. Recommend no further work or consideration.

HAER = Historic American Engineering Record; ID = Identification; JSF = Joint Strike Fighter; NA = Not Applicable; NRHP = National Register of Historic Places; SHPO = State Historic Preservation Officer

### **Cemeteries Near or Within BRAC Alternative Areas (Data from Eglin AFB, 2008)**

**Table F-44. Carson Still Cemetery (Cemetery #18)**

BRAC Alternative Association	Associated Alternative Features	Last Date of Use	Number of Identified Graves	NRHP Status	Cemetery Description	Report on File 96 CEG/CEVH
Cantonment Alternatives 1, 2, 3, 4, 5	SOF5, SOF11, SOF13	1900	8	Area is potentially eligible for nomination to the NRHP and remains protected.	Cemetery was not relocated during the HPP. Charlie Ray a local informant assisted with the attempt to relocate the cemetery. He personally saw the cemetery 10 years prior to the HPP investigation. Location is estimated from historic records.	X-115

96 CEG/CEVH = 96th Civil Engineering Group/Cultural Resources Branch; BRAC = Base Realignment and Closure; HPP = Historic Preservation Plan; NRHP = National Register of Historic Places; SOF = Special Operations Forces

## References

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**ATTACHMENT 1 –  
CONSULTATION LETTERS**

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## LIST OF DOCUMENTS

The following are copies of key letters, or equivalent documents, related to the Air Force's communications with various parties consulted in this project's planning effort. They are assigned document numbers in chronological sequence.

- Letter 1. Air Force to Dr. Tom McCulloch, ACHP, 25 Sep 06
- Letter 2. Air Force to Mr. Frederick Gaske, Department of State, Division of Historical Resources, 25 Sep 06
- Letter 3. Air Force to Mr. Frederick Gaske, Department of State, Division of Historical Resources, 03 Apr 07
- Letter 4. Air Force to Dr. Don Klima, Office of Federal Agency Programs, Advisory Council on Historic Preservation, 31 May 07
- Letter 5. Advisory Council on Historic Preservation to Ms. Maria D. Rodriguez, 26 Jun 07
- Letter 6. Air Force to Air Armament Museum, 03 Jul 07
- Letter 7. Air Force to Dr. Judith Bense, 03 Jul 07
- Letter 8. Air Force to Mr. Marvin T. Broyhill, 03 Jul 07
- Letter 9. Air Force to Ms. Barbara A. Brundage, 03 Jul 07
- Letter 10. Air Force to Mr. John Gardner, 03 Jul 07
- Letter 11. Air Force to Heritage Museum of Northwest Florida, 03 Jul 07
- Letter 12. Air Force to Mr. David Harrington, 03 Jul 07
- Letter 13. Air Force to Mr. Ron Langley, 03 Jul 07
- Letter 14. Air Force to Mr. Bill Lucas, 03 Jul 07
- Letter 15. Air Force to Ms. Kathleen Morris, 03 Jul 07
- Letter 16. Air Force to Ms. Karen Powers, 03 Jul 07
- Letter 17. Air Force to Mr. Steve Prall, Strategic Air & Apace Museum, 03 Jul 07
- Letter 18. Air Force to Mr. Ron Resh, 03 Jul 07
- Letter 19. Air Force to Staff Sergeant Michael Reynolds, 03 Jul 07
- Letter 20. Air Force to TIGHAR, 03 Jul 07
- Letter 21. Air Force to Mae Van Daele, 03 Jul 07
- Letter 22. Air Force to Mr. Jim Vest, 03 Jul 07
- Letter 23. Air Force to Mr. William Zell, 03 Jul 07
- Letter 24. Advisory Council on Historic Preservation to Ms. Maria D. Rodriguez, 17 Jul 07
- Letter 25. SAC Memorial Project to Mr. Jerron Barnett, 30 Jul 07
- Letter 26. 1000 Friends of Florida to Mr. Jerron Barnett, 30 Jul 07
- Letter 27. Air Force to Mr. Frederick Gaske, Department of State, Division of Historical Resources, 20 Dec 07
- Letter 28. Air Force to Mr. Frank W. White, Alabama Historical Commission, 04 Feb 08
- Letter 29. Air Force to AOEN, 24 Jun 08
- Letter 30. Miccosukee Tribe to Air Force, 01 Jul 08

- Letter 31. ACHP to Air Force, 17 Jul 08
- Letter 32. FL SHPO to Air Force, 08 Aug 08
- Letter 33. Air Force to Mr. Ron Resh, 12 Sep 08
- Letter 34. Air Force to Mr. Steve Terry, 12 Sep 08
- Letter 345. Air Force to Chairman Buford L. Rolin, 12 Sep 08
- Letter 36. Air Force to Mr. Willard Steele, 12 Sep 08
- Letter 37. Air Force to Ms. Joyce A. Bear, 12 Sep 08
- Letter 38. Air Force to Frederick Gaske, 12 Sep 08
- Letter 39. Air Force to Colonel George Ross, 12 Sep 08
- Letter 40. Air Force to Colonel(GS), Andrew N. Milani II, 12 Sep 08

## Letter 1



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE FLORIDA

Approved  
C. J. [unclear]

25 SEP 2006

Mr. Michael C. Applegate  
Chief, Environmental Management Division  
96 CEG/CEV  
501 DeLeon Street, Suite 101  
Eglin AFB FL 32542-5015

Dr. Tom McCulloch  
Advisory Council on Historic Preservation  
Old Post Office Building  
1100 Pennsylvania Ave, NW, Room 809  
Washington DC 20004-2604

Dear Dr. McCulloch

The United States Air Force is considering various alternatives for implementation of the Base Realignment and Closure (BRAC) 2005 Decisions and related actions, at Eglin Air Force Base, Florida. Details of the various alternatives are included with this letter as attachment. This action constitutes an "undertaking" as defined in 36 CFR §800.16(y). As required by Section 106 of the National Historic Preservation Act, and in accordance with 36 CFR §800.6 and Section 8 of the "Programmatic Agreement between the Air Armament Center, Eglin Air Force Base, the Advisory Council on Historic Preservation (ACHP) and the Florida State Historic Preservation Officer (SHPO) regarding the Preservation and Protection of Historical and Archaeological Resources located at Eglin Air Force Base, Florida" (signed by the ACHP Executive Director February 14, 2003), this letter serves as notification of a proposed finding of adverse effect with regard to the undertaking.

The proposed implementation of the BRAC 2005 Decisions and related actions is broken down into three main categories: Proposed Action for the Joint Strike Fighter Integrated Training Center (JSF ITC), Proposed Action for the 7th Special Forces Group (Airborne) (7SFG(A) Cantonment Area and the Proposed Action for Range Configuration (JSF and 7SFG(A) Range Training).

The area of potential effect (APE) for the JSF ITC is described in Sec 2.2.3 of the attached Description of Proposed Action and Alternatives (DOPAA). The preferred alternative will impact Eglin's Strategic Air Command (SAC) Alert District, located on the west end of Eglin's main runway. Current plans indicate that as many as 7 of the 20 historic buildings may be demolished and the parking aprons may be altered. Alternative 2 will impact the Eglin Field District, located on the east end of Eglin's main runway. An area development plan is being developed for the JSF ITC and will include specific information as to what buildings will be affected at both the west end of the runway and the east end of the runway. This plan will be completed at the end of April, 2007.

The APE for the 7SFG(A) Cantonment Area is described in Sec 2.3.3 and depicted in Figures 2-6 and 2-8 of the attached DOPAA. Alternative 1 locates the Cantonment Area for the 7SFG(A) directly west of Eglin's Cantonment Area. Alternative 2 locates the 7SFG(A) Cantonment Area in the north central part of the range near Duke Field. Both areas have been surveyed for archaeological sites. The only eligible archaeological sites are two eligible archaeological sites located in the site just west of Eglin's Cantonment area; 8OK1835 and 8OK1836.

The APE for the Range Configuration is yet to be determined. Currently, a Range Configuration Study is ongoing and will be completed by October 2006. The APE will be determined against the outcome of the study. Any part of the range in the APE determined by this study that has not been surveyed will be surveyed at that time.

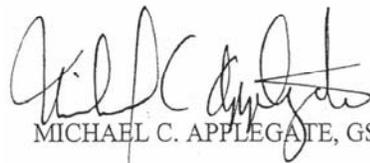
The phasing of effect determinations, pursuant to 36 CFR §800.5(a)(3), will allow us to begin negotiations with the Florida SHPO and other parties to resolve known adverse effects while continuing work to identify unknown resources. In complying with the National Environmental Policy Act (NEPA), we are preparing a draft Environmental Impact Statement (EIS) that evaluates the environmental impacts of the various Military Family Housing (MFH) privatization alternatives. It is our intention to negotiate and implement a Memorandum of Agreement (MOA) with the SHPO to resolve adverse effects prior to the signing of the EIS record of decision in September 2007.

We are working with the SHPO to identify other parties we may consider inviting to participate in the consultation process, including American Indian tribes. We plan to use procedures for public involvement under NEPA in addition to public involvement requirements under 36 CFR §800.2(d)(3) to ensure that the public has an adequate opportunity to comment on the proposed undertaking.

We have applied the criteria of adverse effect per 36 CFR §800.5(a)(1-2) and concluded that the proposed demolition/renovation of the SAC Alert District and the proposed demolition/renovation of the Eglin Field Historic District constitutes an adverse effect to the historic district. The Proposed Action for JSF and 7SFG(A) Range Training, without proper planning, could also constitute an adverse effect to our archaeological sites. We will work closely with the SHPO and other possible consulting parties to ensure adverse effects are properly mitigated.

If we can provide any further information or answer any questions, please contact Ms. Beth Behr, at (850) 882-8464.

Sincerely



MICHAEL C. APPLGATE, GS-14

Attachment:

Description of Proposed Action and Alternatives from the draft BRAC EIS

## Letter 2



DEPARTMENT OF THE AIR FORCE  
 HEADQUARTERS 96TH AIR BASE WING (AFMC)  
 EGLIN AIR FORCE BASE FLORIDA

5470

25 SEP 2006

Mr. Michael C. Applegate  
 Chief, Environmental Management Division  
 96 CEG/CEV  
 501 Deleon Street, Suite 101  
 Eglin AFB Florida 32542-5105

Mr. Frederick Gaske  
 Director, Division of Historical Resources  
 Department of State  
 ATTN: Review and Compliance Section  
 R.A. Gray Bldg  
 500 South Bronough St  
 Tallahassee FL 32399-0250

Dear Mr. Gaske

The United States Air Force is considering various alternatives for implementation of the Base Realignment and Closure (BRAC) 2005 Decisions and related actions at Eglin Air Force Base, Florida. Details of the various alternatives are included with this letter. This action constitutes an "undertaking" as defined in 36 CFR §800.16(y). As required by Section 106 of the National Historic Preservation Act, and in accordance with 36 CFR §800.6 and Section 8 of the "Programmatic Agreement between the Air Armament Center, Eglin Air Force Base, the Advisory Council on Historic Preservation (ACHP) and the Florida State Historic Preservation Officer regarding the Preservation and Protection of Historical and Archaeological Resources located at Eglin Air Force Base, Florida" (signed by the ACHP Executive Director February 14, 2003), this letter serves as notification of a proposed finding of adverse effect with regard to the undertaking.

The proposed implementation of the BRAC 2005 Decisions and related actions is broken down into three main categories: Proposed Action for the Joint Strike Fighter Integrated Training Center (JSF ITC), Proposed Action for the 7th Special Forces Group (Airborne) (7SFG(A) Cantonment Area and the Proposed Action for Range Configuration (JSF and 7SFG(A) Range Training).

The area of potential effect (APE) for the JSF ITC is described in Sec 2.2.3 of the attached Description of the Proposed Action and Alternatives (DOPAA). The preferred alternative will impact Eglin's Strategic Air Command (SAC) Alert District, located on the west end of Eglin's main runway. Current plans indicate that as many as 7 of the 20 historic buildings may be demolished and the parking aprons may be altered. Alternative 2 will impact the Eglin Field District, located on the east end of Eglin's main runway. An area development plan is

being developed for the JSF ITC and will include specific information as to what buildings will be affected at both the west end of the runway and the east end of the runway. This plan will be completed at the end of April, 2007.

The APE for the 7SFG(A) Cantonment Area is described in Sec 2.3.3 and depicted in Figures 2-6 and 2-8 of the attached DOPAA. Alternative 1 locates the Cantonment Area for the 7SFG(A) directly west of Eglin's Cantonment Area. Alternative 2 locates the 7SFG(A) Cantonment Area in the north-central part of the range near Duke Field. Both areas have been surveyed for archaeological sites. The only eligible archaeological sites are two eligible archaeological sites ~~located the site~~ located just west of Eglin's Cantonment area; 8OK1835 and 8OK1836.

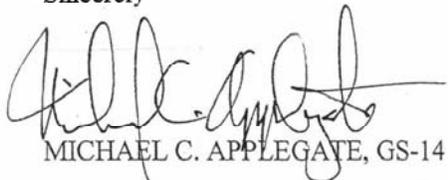
We have applied the criteria of adverse effects per 36 CFR §800.5(a)(1-2) and concluded that the proposed demolition/renovation of both the SAC Alert District and the Eglin Field District constitute an adverse effect to the historic districts. Proposed Action for JSF and 7SFG(A) Range Training, without proper planning, could also constitute an adverse effect to our archaeological sites. We are respectfully requesting your concurrence on our adverse effect finding, consultation to resolve the adverse effects, and your assistance in identifying potential consulting parties we may consider inviting to participate in the consultation process.

In complying with the National Environmental Policy Act (NEPA), we are preparing a draft Environmental Impact Statement (EIS) to evaluate the environmental impacts of the various Military Family Housing (MFH) privatization alternatives. We will forward a copy of the draft EIS to your office for your review and comment in Jan/Feb 2007. We will include your comments received as part of consultation in the draft and final EIS.

We plan to use procedures for public involvement under NEPA (per 36 CFR §800.8) in addition to public involvement requirements under 36 CFR §8002(d)(3) to ensure that the public has an adequate opportunity to comment on the proposed undertaking. Additionally, we will contact culturally affiliated American Indian tribes and other interested parties for comment.

We look forward to discussing this matter with you further and working out mutually acceptable mitigation measures to resolve the adverse effects to these historic properties. Our point of contact for this matter is Ms. Beth Behr, 96 CEG/CEVH. Ms. Behr can be reached by telephone at (850) 882-8464.

Sincerely



MICHAEL C. APPLGATE, GS-14

Attachment:

Description of the Proposed Action and Alternatives from the Draft BRAC EIS.

## Letter 3



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE FLORIDA

Maria D. Rodriguez  
Chief, Cultural Resources Branch  
96 CEG/CEVH  
501 DeLeon St., Suite 101  
Eglin AFB FL 32542-5105

03 APR 2007

*Revised date Mar*

Frederick Gaske  
Director, Division of Historical Resources  
Department of State  
ATTN: Review and Compliance Section  
R.A. Gray Bldg  
500 South Bronough St  
Tallahassee FL 32399-0250

Dear Mr. Gaske

In a letter dated 25 September 2006, we informed your office of various alternatives Eglin Air Force Base (Eglin) is considering for implementation of the Base Realignment and Closure (BRAC) 2005 Decision and related actions. The letter explained that the proposed implementation of the BRAC 2005 Decisions and related actions is broken into three main categories:

- Proposed Action for the Joint Strike Fighter Integrated Joint Training Site (JSF IJTS)
- Proposed Action for the 7<sup>th</sup> Special Forces Group (Airborne) (7SFG(A)) Cantonment Area
- Proposed Action for Range Configuration (JSF and 7SFG (A) Range Training).

We propose that Section 106 Consultation for each of these categories be treated as a separate consultation. This will simplify the organization of the data/information for the consultations and will allow clarity in possible mitigation measures decided upon for each consultation. Should you agree, the following portion of this letter will address Section 106 consultation for the JSF IJTS. A Section 106 consultation letter for the other two actions will soon follow.

The Description of Proposed Actions and Alternatives (DOPPA) sent with the previous letter have gone through some modifications. Each consultation will provide a summary of the BRAC 2005 decisions and related actions that apply to the section being consulted upon.

The 2005 BRAC Report included the decision to establish an initial joint training site at Eglin AFB for Air Force, Navy, Marines, and partner countries, to teach aviators

and maintenance technicians how to properly operate and maintain the new JSF weapon system. Establishing the JSF IJTS would require construction of a cantonment area which would provide facilities to house academic classrooms, virtual trainers, flying training squadrons, and hardware trainers. The JSF IJTS also has a requirement for munitions storage and live ordnance loading area, which must be located near the flight line so that rapid deployment can occur. Required acreage for the JSF IJTS would range from 100 to 200 acres.

#### **How location on Eglin was chosen for JSF IJTS**

The following minimum requirements were used to evaluate siting options on Eglin Main Base for the JSF IJTS cantonment.

- Based on facility requirements, approximately 190 acres are necessary for the cantonment area, of which 170 to 180 acres should be contiguous to the Eglin Main Base flight line.
- The classroom setting and simulation training center should be in close proximity (walking distance) to the housing and student support facilities, such as the dining hall and physical fitness areas.
- Physical security would be essential since the training facilities would need to operate as a sensitive compartmented information facility (SCIF).
- Utilities and fueling access must be available to the aircraft as well as auxiliary ground equipment.
- Parking of 75 aircraft initially, expandable to 140, is needed.
- Arming and de-arming areas should be available with expansion potential

#### **Impacts to Historical Resources because of this location**

Based on the above criteria, two locations were chosen as possible alternatives for the JSF IJTS: the 33<sup>rd</sup> Fighter Wing Area on Eglin (also the Strategic Air Command (SAC) Alert Historic District) and the 46<sup>th</sup> Test Wing Area (also the Eglin Field Historic District). Should the JSF IJTS be located in the SAC Alert District, plans include the renovation of buildings 1318, 1344, 1326, 1312, 1321, 1315 and 1318 and the demolition of buildings 1339, 1343, 1345 1352 and 1353. If the JSF IJTS is located in the Eglin Field Historic District, plans are to renovate building 1285 and demolish buildings 238 and 246. As a secondary effect of putting the JSF IJTS in the 46<sup>th</sup> TW area, groups from the 46<sup>th</sup> TW area would need to move to the 33<sup>rd</sup> Fighter Wing area, which would call also for the renovation of building 1315, 1312, 1339 and 1321, within the SAC Alert Historic District. No archaeology sites are impacted in either of these areas.

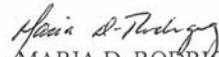
Attached are maps indicating the location of the affected buildings and a report detailing the SAC Alert Historic District. It is our opinion that the proposed undertaking will have an adverse effect on an historic property. Due to the amount of alterations that have occurred to the interior of these facilities, we recommend mitigating these adverse affects through HABS level III documentation of the structures that will be demolished. We also recommend proceeding with our normal Section 106 consultation process for the

structures that will be renovated when specific renovation plans are available. If you agree, this proposal will be drafted into a memorandum of agreement and sent to your office for review.

Public involvement for the undertaking will be in accordance with 36 CFR parts 800.8 and 800.2(d)(3).

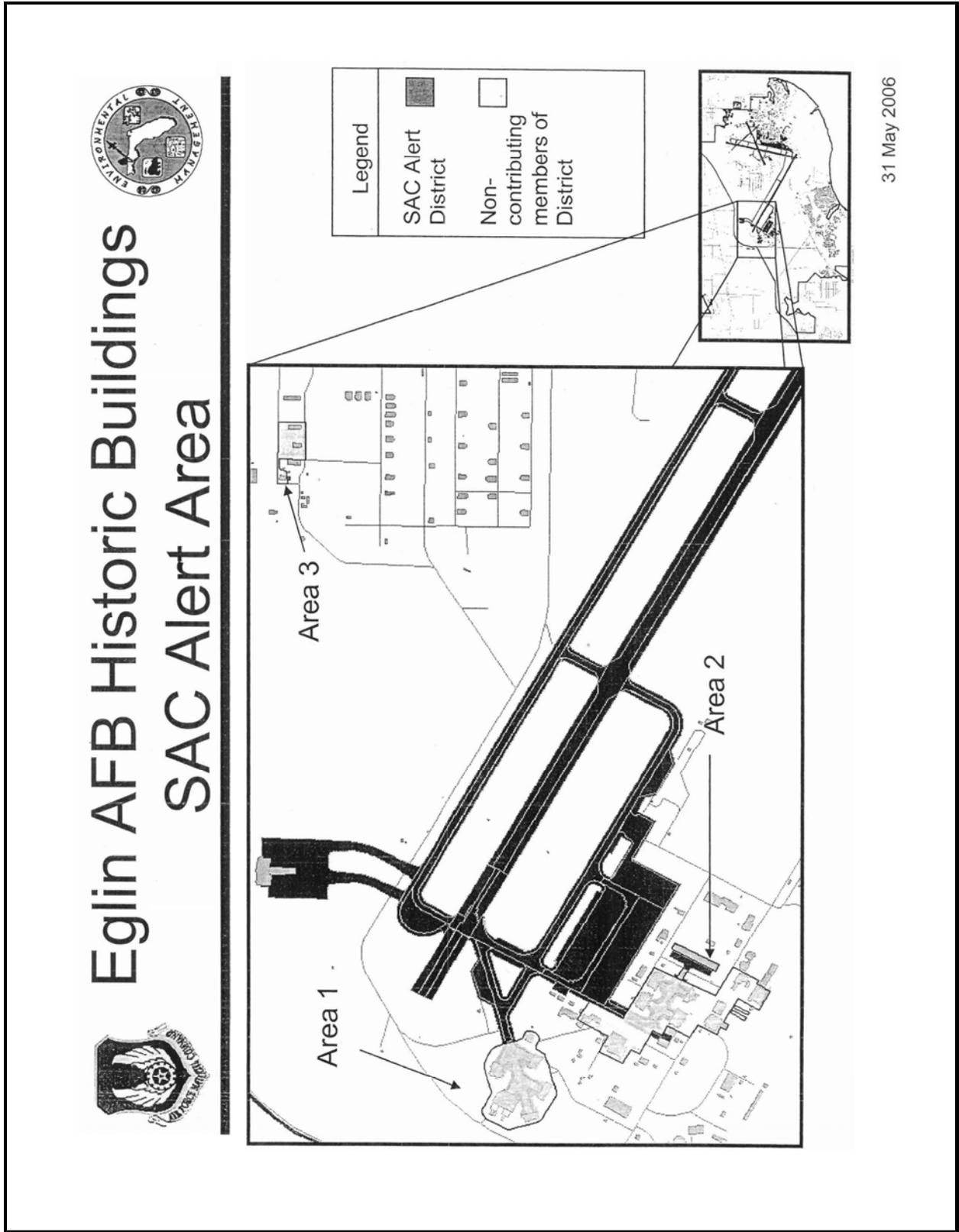
We look forward to any comments you may have concerning this matter. My point of contact for this effort is Ms. Beth Avery, Historic Building Program Manager. She can be reached at 850-882-8464. If we have not received comments from your office within 30 days, we will assume that you concur and a draft MOA will be sent to your office for review.

Sincerely

  
MARIA D. RODRIGUEZ, YF-02

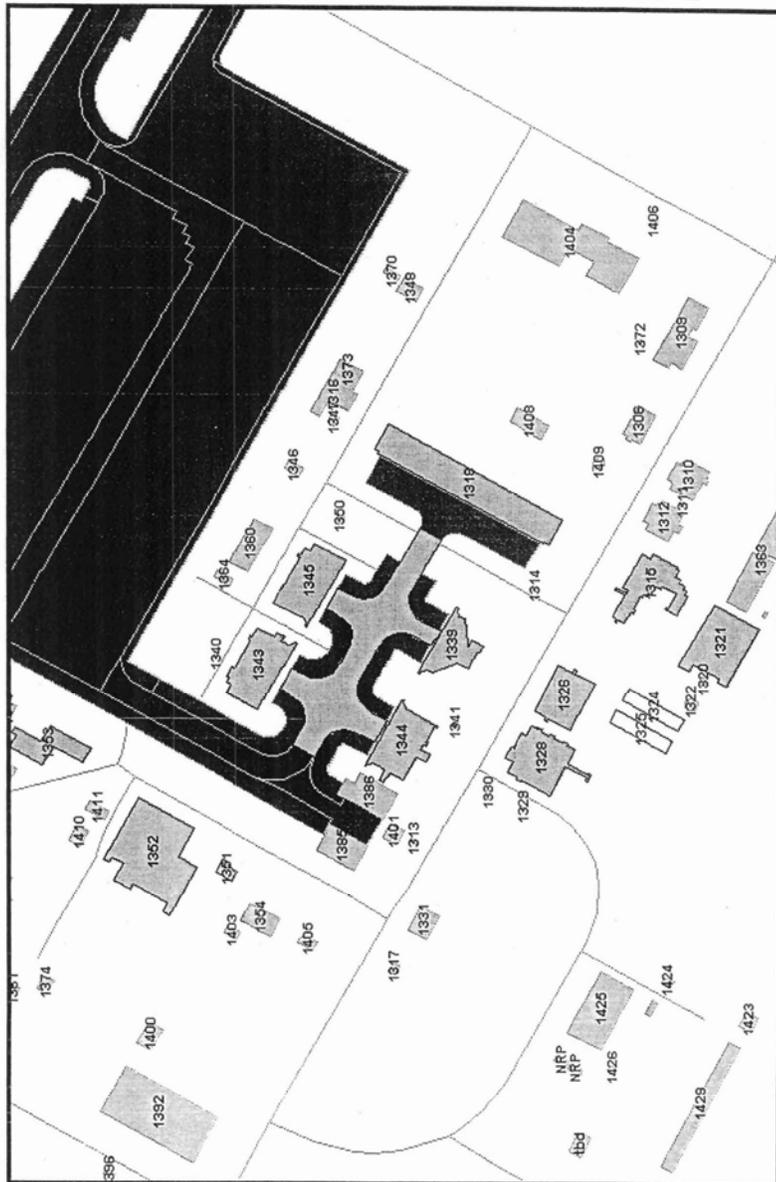
Attachments:

1. Maps of SAC Alert Historic District
2. Map of Eglin Field Historic District
3. Strategic Air Command (SAC) Alert Historic District report



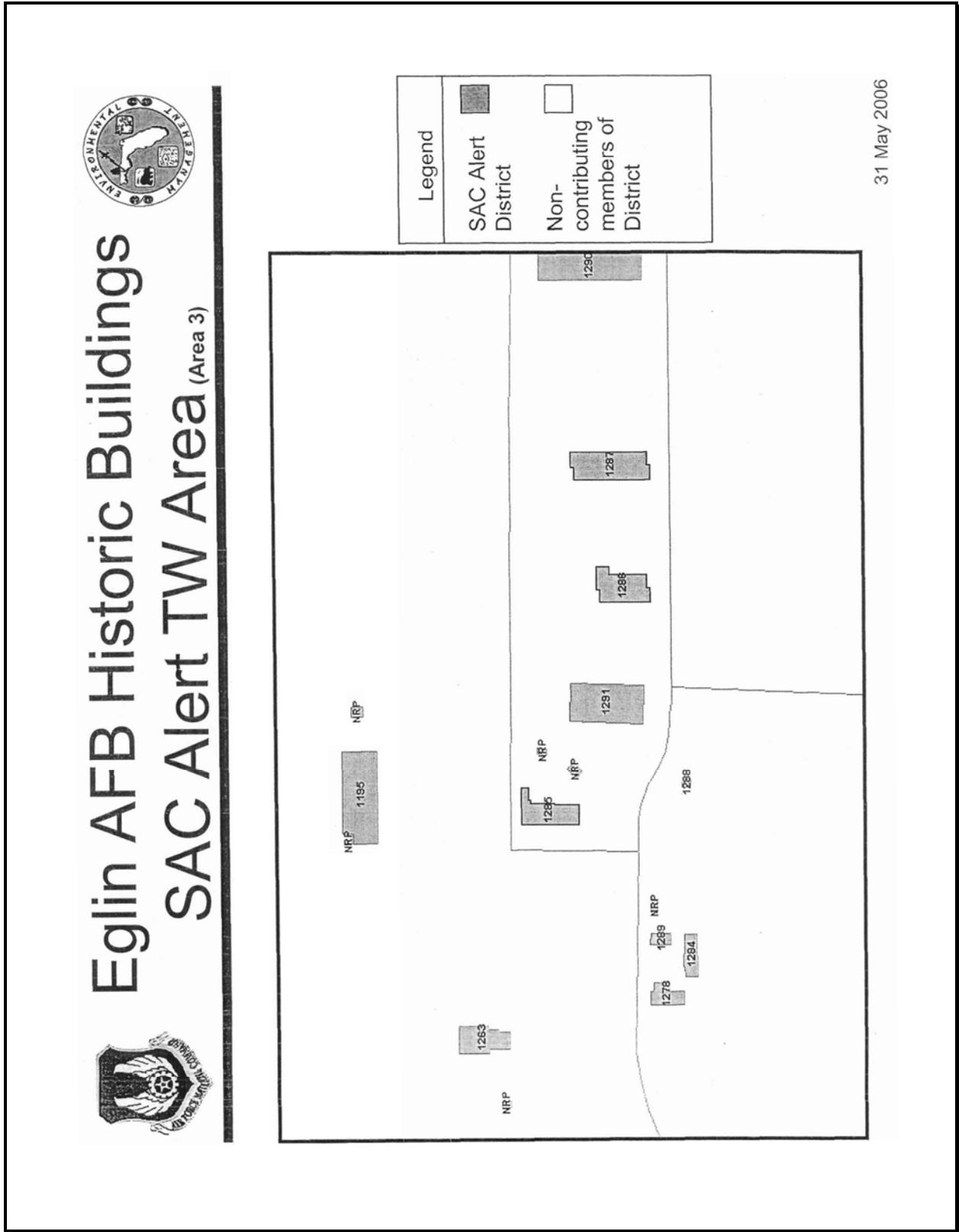


# Eglin AFB Historic Buildings SAC Alert Area (Area 2)



Legend	
	SAC Alert District*
	Non-contributing members of District **
<p>*Bldg 1318 is individually eligible to the NRHP, but not a member of the SAC Alert District</p> <p>** Buildings 1324 and 1325 are not members of the SAC Alert District</p>	

31 May 2006

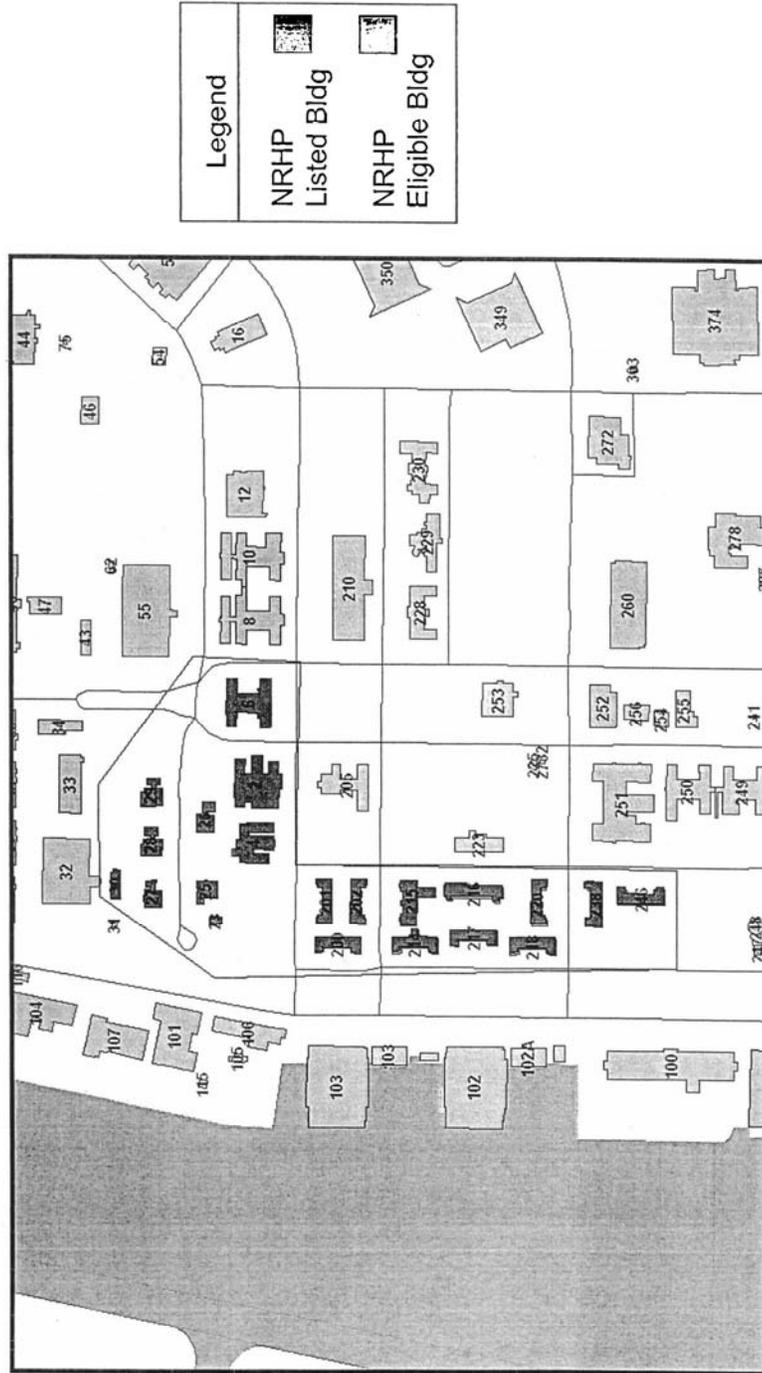


31 May 2006



# Eglin AFB Historic Buildings

## Eglin Field Historic District



Legend	
	NRHP Eligible Bldg
	NRHP Listed Bldg

2 April 2007

## Letter 4



**DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE FLORIDA**

D-1

31 MAY 2007

Ms. Maria D. Rodriguez  
Chief, Cultural Resources Branch  
501 DeLeon Street, Suite 101  
Eglin AFB FL 32542-5015

Dr. Don Klima  
Director, Office of Federal Agency Programs  
Advisory Council on Historic Preservation  
Old Post Office Building  
1100 Pennsylvania Ave NW, Room 803  
Washington DC 20004-2501

Dear Dr. Klima,

Reference letter dated 25 Sept 2006, Subject: Base Realignment and Closure (BRAC) 2005 decision. This letter informed you of various alternatives Eglin Air Force Base is considering for implementation of the BRAC 2005 decision and related actions. The letter explained that the proposed implementation of the BRAC 2005 decision and related actions is broken into three main categories:

- Proposed Action for the Joint Strike Fighter Integrated Training Center (JSF ITC)
- Proposed Action for the 7<sup>th</sup> Special Forces Group (Airborne) (7<sup>th</sup> SFG(A)) Cantonment Area
- Proposed Action for Range Configuration (JSF and 7<sup>th</sup> SFG (A) Range Training).

At this time, no adverse effects have been identified for the second and third action sets listed above.

In the first set of actions Eglin is proposing to demolish five historic structures in our Strategic Air Command (SAC) Alert Historic District. The district was evaluated in 2003 as eligible for the National Register of Historic Places (NRHP) under criterion A (attachment 1). Three discontinuous areas comprise the district. Of the 22 total components of the proposed district (20 buildings and two small aircraft parking aprons), 17 are contributing and five are non-contributing, as defined by NRHP guidelines.

Headquarters SAC established 65 alert compounds at air force bases in the continental United States, Canada and Puerto Rico during 1958-1959. Eligible SAC alert compounds meet these four criteria: have relatively unaltered exteriors, feature key elements of a standard alert compound, received the Hound Dog/Quail weapon system and had an important mission within the SAC alert group. Eglin meets all four of these criteria.

The demolition of the SAC alert facilities constitutes an “undertaking” as defined in 36 CFR §800.16 (y). We assessed the effects of the undertaking by applying the criteria of adverse effect and concluded that the proposed undertaking constitutes an adverse effect as defined in 36 CFR §800.5(a)(2)(i).

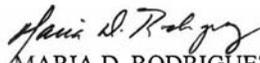
In accordance with 36 CFR §800.3(c) and 36 CFR §800.5(d)(2) we notified the Florida State Historic Preservation Officer (SHPO), on 25 September 2006, of Eglin’s proposed undertaking and the resulting adverse effect from its proposed demolition. In the consultation letter we requested the Florida SHPO’s concurrence regarding our finding of adverse effect. We plan to work with the SHPO and other consulting parties to write into a memorandum of agreement how this adverse effect will be mitigated.

In order to fulfill the public notification requirement of Section 106 for negative impacts, we plan to seek input from SAC alert interest groups, as well as U.S. Strategic Command, Offutt AFB community relations personnel and the National Park Service.

Pursuant to 36 CFR § 800.6(a)(1), Eglin is notifying the Advisory Council on Historic Preservation of the adverse effect finding. If you wish to participate in this consultation, please respond within 15 days of receipt of this letter.

If we can provide any further information or answer any questions, please contact our Historic Building Program Manager, Ms. Beth Avery, at 850-882-8464 or [beth.avery@eglin.af.mil](mailto:beth.avery@eglin.af.mil).

Sincerely

  
MARIA D. RODRIGUEZ, YF-02

Attachment:  
Report- Strategic Air Command (SAC) Alert Historic District Determination of Eligibility

## Letter 5



Preserving America's Heritage

June 26, 2007

Ms. Maria D. Rodriguez  
 Chief, Cultural Resources Branch  
 501 DeLeon Street, Suite 101  
 Eglin Air Force Base, FL 32542-5015

REF: Eglin Air Force Base Demolition of Strategic Air Command Facilities

Dear Ms Rodriguez:

On June 5, 2007, the ACHP received your notification of adverse effect for the referenced undertaking which was submitted in accordance with Section 800.6(a)(1) of our regulations, "Protection of Historic Properties" (36 CFR Part 800). The background documentation included with your submission does not meet the specifications in Section 800.11(e) of the Council's regulations. We, therefore, are unable to determine whether Appendix A of the regulations, *Criteria for Council Involvement in Reviewing Individual Section 106 Cases*, applies to this undertaking. Accordingly, we request that the Air Force submit the following additional information so that we can determine whether our participation in the consultation to resolve adverse effects is warranted.

- A description of the undertaking that includes the area of potential effect, maps, and/or drawings of those buildings proposed to be demolished;
- An explanation of why the criteria of adverse effect were found applicable, including any conditions or future actions to avoid, minimize or mitigate adverse effects; and
- Copies or summaries of any views provided by the Florida State Historic Preservation Officer (SHPO), other consulting parties, and the public.

Upon receipt of the additional information, we will notify you within 15-days of our decision. Should you have any questions, please contact me at 202-606-8582, or by e-mail at [nbrown@achp.gov](mailto:nbrown@achp.gov).

Sincerely,

Nancy J. Brown  
 Historic Preservation Specialist  
 Federal Property Management Section  
 Office of Federal Agency Programs

ADVISORY COUNCIL ON HISTORIC PRESERVATION

1100 Pennsylvania Avenue NW, Suite 809 • Washington, DC 20004

Phone: 202-606-8503 • Fax: 202-606-8617 • [achp@achp.gov](mailto:achp@achp.gov) • [www.achp.gov](http://www.achp.gov)

## Letter 6



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE FLORIDA

03 JUL 2007

Maria D. Rodriguez  
Acting Chief, Environmental Management Division  
96 CEG/CEV  
501 DeLeon Street, Suite 101  
Eglin AFB FL 32542-5105

Air Armament Museum  
100 Museum Drive  
Eglin Air Force Base FL 32548

Dear Sir/Madam

This letter will provide you with an overview of a federal undertaking that will adversely affect an historic district on Eglin Air Force Base that is considered eligible for listing on the National Register of Historic Places.

Section 106 of the National Historic Preservation Act states that any time a federal undertaking will have an anticipated adverse effect to a listed or eligible historic property, the agency (Eglin AFB) should allow and include public comment as part of the resolution of adverse effects. We are contacting you because of your affiliation with the Strategic Air Command (SAC) mission and/or your interest in other historic districts on Eglin.

The proposed action is to demolish five historic structures in our SAC alert historic district; two maintenance docks, a fuel dock and two munitions maintenance facilities. The demolition will provide space to construct modern structures for the Joint Strike Fighter (JSF) Integrated Training Center. The historic buildings do not currently meet the needs of the JSF. This proposed action will not affect the eligibility of the district.

Headquarters SAC established 65 alert compounds at Air Force bases in the continental United States, Canada and Puerto Rico during 1958-1959. Eglin's SAC alert historic district is made up of three discontinuous areas. The 17 contributing structures of the district include a 70-man alert crew quarters, a Christmas tree alert apron, maintenance, administration, training, warehouse and munitions facilities. The Hound Dog (GAM-77) supersonic missile, together with the Quail (GAM-72) decoy, was significant to the SAC alert program. The Hound Dog was the world's first nuclear-capable cruise missile. Eglin's 4135th Strategic Wing was the first to receive the weapon system to test.

Please see the attached brochure for a more detailed history of the district.

## Letter 7



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE FLORIDA

03 JUL 2007

Maria D. Rodriguez  
Acting Chief, Environmental Management Division  
96 CEG/CEV  
501 DeLeon Street, Suite 101  
Eglin AFB FL 32542-5105

Dr. Judith Bense  
2910 Magnolia Ave  
Pensacola FL 32503

Dear Dr. Bense

This letter will provide you with an overview of a federal undertaking that will adversely affect an historic district on Eglin Air Force Base that is considered eligible for listing on the National Register of Historic Places.

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## Letter 8



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE FLORIDA

03 JUL 2007

Maria D. Rodriguez  
Acting Chief, Environmental Management Division  
96 CEG/CEV  
501 DeLeon Street, Suite 101  
Eglin AFB FL 32542-5105

Mr. Marvin T. Broyhill  
20 N. Sycamore Street  
Petersburg VA. 23803

Dear Mr. Broyhill

This letter will provide you with an overview of a federal undertaking that will adversely affect an historic district on Eglin Air Force Base that is considered eligible for listing on the National Register of Historic Places.

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Please see the attached brochure for a more detailed history of the district.

## Letter 9



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE FLORIDA

03 JUL 2007

Maria D. Rodriguez  
Acting Chief, Environmental Management Division  
96 CEG/CEV  
501 DeLeon Street, Suite 101  
Eglin AFB FL 32542-5105

Ms. Barbara A. Brundage  
115 Westview Avenue  
Valparaiso FL 32580

Dear Ms. Brundage

This letter will provide you with an overview of a federal undertaking that will adversely affect an historic district on Eglin Air Force Base that is considered eligible for listing on the National Register of Historic Places.

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Please see the attached brochure for a more detailed history of the district.

## Letter 10



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE FLORIDA

03 JUL 2007

Maria D. Rodriguez  
Acting Chief, Environmental Management Division  
96 CEG/CEV  
501 DeLeon Street, Suite 101  
Eglin AFB FL 32542-5105

Mr. John Gardner  
American Legion Post 296  
P.O. Box 218  
Destin FL 32540

Dear Mr. Gardner

This letter will provide you with an overview of a federal undertaking that will adversely affect an historic district on Eglin Air Force Base that is considered eligible for listing on the National Register of Historic Places.

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Please see the attached brochure for a more detailed history of the district.

## Letter 11



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE FLORIDA

03 JUL 2007

Maria D. Rodriguez  
Acting Chief, Environmental Management Division  
96 CEG/CEV  
501 DeLeon Street, Suite 101  
Eglin AFB FL 32542-5105

Heritage Museum of Northwest Florida  
115 Westview Avenue  
Valparaiso FL 32580

Dear Sir/Madam

This letter will provide you with an overview of a federal undertaking that will adversely affect an historic district on Eglin Air Force Base that is considered eligible for listing on the National Register of Historic Places.

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Please see the attached brochure for a more detailed history of the district.

## Letter 12



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE FLORIDA

03 JUL 2007

Maria D. Rodriguez  
Acting Chief, Environmental Management Division  
96 CEG/CEV  
501 DeLeon Street, Suite 101  
Eglin AFB FL 32542-5105

Mr. David Harrington  
116 Taylor Circle  
Fort Walton Beach FL 32547

Dear Mr. Harrington

This letter will provide you with an overview of a federal undertaking that will adversely affect an historic district on Eglin Air Force Base that is considered eligible for listing on the National Register of Historic Places.

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Please see the attached brochure for a more detailed history of the district.

## Letter 13



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE FLORIDA

03 JUL 2007

Maria D. Rodriguez  
Acting Chief, Environmental Management Division  
96 CEG/CEV  
501 DeLeon Street, Suite 101  
Eglin AFB FL 32542-5105

Mr. Ron Langley  
956 McFarland Ave  
Fort Walton Beach FL 32547

Dear Mr. Langley

This letter will provide you with an overview of a federal undertaking that will adversely affect an historic district on Eglin Air Force Base that is considered eligible for listing on the National Register of Historic Places.

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Please see the attached brochure for a more detailed history of the district.

## Letter 14



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE FLORIDA

03 JUL 2007

Maria D. Rodriguez  
Acting Chief, Environmental Management Division  
96 CEG/CEV  
501 DeLeon Street, Suite 101  
Eglin AFB FL 32542-5105

Mr. Bill Lucas  
139 Miracle Strip Parkway  
Fort Walton Beach FL 32548

Dear Mr. Lucas

This letter will provide you with an overview of a federal undertaking that will adversely affect an historic district on Eglin Air Force Base that is considered eligible for listing on the National Register of Historic Places.

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Please see the attached brochure for a more detailed history of the district.

## Letter 15



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE FLORIDA

03 JUL 2007

Maria D. Rodriguez  
Acting Chief, Environmental Management Division  
96 CEG/CEV  
501 DeLeon Street, Suite 101  
Eglin AFB FL 32542-5105

Ms. Kathleen Morris  
926 East Park Avenue  
P.O. Box 5948  
Tallahassee FL 32314-05948

Dear Ms. Morris

This letter will provide you with an overview of a federal undertaking that will adversely affect an historic district on Eglin Air Force Base that is considered eligible for listing on the National Register of Historic Places.

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## Letter 16



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE FLORIDA

03 JUL 2007

Maria D. Rodriguez  
Acting Chief, Environmental Management Division  
96 CEG/CEV  
501 DeLeon Street, Suite 101  
Eglin AFB FL 32542-5105

Ms. Karen Powers  
409 Andrew Drive  
Valparaiso FL 32580

Dear Ms. Powers

This letter will provide you with an overview of a federal undertaking that will adversely affect an historic district on Eglin Air Force Base that is considered eligible for listing on the National Register of Historic Places.

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## Letter 17



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE FLORIDA

03 JUL 2007

Maria D. Rodriguez  
Acting Chief, Environmental Management Division  
96 CEG/CEV  
501 DeLeon Street, Suite 101  
Eglin AFB FL 32542-5105

Mr. Steve Prall  
Strategic Air & Space Museum  
28210 West Park Highway  
Ashland NE 68003

Dear Mr. Prall

This letter will provide you with an overview of a federal undertaking that will adversely affect an historic district on Eglin Air Force Base that is considered eligible for listing on the National Register of Historic Places.

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Please see the attached brochure for a more detailed history of the district.

## Letter 18



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE FLORIDA

03 JUL 2007

Maria D. Rodriguez  
Acting Chief, Environmental Management Division  
96 CEG/CEV  
501 DeLeon Street, Suite 101  
Eglin AFB FL 32542-5105

Mr. Ron Resh  
10825 Buckell Drive  
Silver Spring MD 20902

Dear Mr. Resh

This letter will provide you with an overview of a federal undertaking that will adversely affect an historic district on Eglin Air Force Base that is considered eligible for listing on the National Register of Historic Places.

Section 106 of the National Historic Preservation Act states that any time a federal undertaking will have an anticipated adverse effect to a listed or eligible historic property, the agency (Eglin AFB) should allow and include public comment as part of the resolution of adverse effects. We are contacting you because of your affiliation with the Strategic Air Command (SAC) mission and/or your interest in other historic districts on Eglin.

The proposed action is to demolish five historic structures in our SAC alert historic district; two maintenance docks, a fuel dock and two munitions maintenance facilities. The demolition will provide space to construct modern structures for the Joint Strike Fighter (JSF) Integrated Training Center. The historic buildings do not currently meet the needs of the JSF. This proposed action will not affect the eligibility of the district.

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Please see the attached brochure for a more detailed history of the district.

## Letter 19



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE FLORIDA

03 JUL 2007

Maria D. Rodriguez  
Acting Chief, Environmental Management Division  
96 CEG/CEV  
501 DeLeon Street, Suite 101  
Eglin AFB FL 32542-5105

Staff Sergeant Michael Reynolds  
109 Barksdale Blvd West Ste 209  
Barksdale AFB LA 71110-2164

Dear Sergeant Reynolds

This letter will provide you with an overview of a federal undertaking that will adversely affect an historic district on Eglin Air Force Base that is considered eligible for listing on the National Register of Historic Places.

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Please see the attached brochure for a more detailed history of the district.

## Letter 20



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE FLORIDA

03 JUL 2007

Maria D. Rodriguez  
Acting Chief, Environmental Management Division  
96 CEG/CEV  
501 DeLeon Street, Suite 101  
Eglin AFB FL 32542-5105

TIGHAR  
2812 Fawkes Drive  
Wilmington DE 19808-2154

Dear Sir/Madam

This letter will provide you with an overview of a federal undertaking that will adversely affect an historic district on Eglin Air Force Base that is considered eligible for listing on the National Register of Historic Places.

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Please see the attached brochure for a more detailed history of the district.

## Letter 21



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE FLORIDA

03 JUL 2007

Maria D. Rodriguez  
Acting Chief, Environmental Management Division  
96 CEG/CEV  
501 DeLeon Street, Suite 101  
Eglin AFB FL 32542-5105

Mae Van Daele  
172 Highland Street.  
Valparaiso FL 32580

Dear Ms. Van Daele

This letter will provide you with an overview of a federal undertaking that will adversely affect an historic district on Eglin Air Force Base that is considered eligible for listing on the National Register of Historic Places.

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Please see the attached brochure for a more detailed history of the district.

## Letter 22



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE FLORIDA

08 JUL 2007

Maria D. Rodriguez  
Acting Chief, Environmental Management Division  
96 CEG/CEV  
501 DeLeon Street, Suite 101  
Eglin AFB FL 32542-5105

Mr. Jim Vest  
P.O. Box 5037  
Niceville FL 32578

Dear Mr. Vest

This letter will provide you with an overview of a federal undertaking that will adversely affect an historic district on Eglin Air Force Base that is considered eligible for listing on the National Register of Historic Places.

Section 106 of the National Historic Preservation Act states that any time a federal undertaking will have an anticipated adverse effect to a listed or eligible historic property, the agency (Eglin AFB) should allow and include public comment as part of the resolution of adverse effects. We are contacting you because of your affiliation with the Strategic Air Command (SAC) mission and/or your interest in other historic districts on Eglin.

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Please see the attached brochure for a more detailed history of the district.

## Letter 23



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE FLORIDA

03 JUL 2007

Maria D. Rodriguez  
Acting Chief, Environmental Management Division  
96 CEG/CEV  
501 DeLeon Street, Suite 101  
Eglin AFB FL 32542-5105

Mr. William Zell  
9 W. Casa Loma Dr.  
Mary Esther FL 32569

Dear Mr. Zell

This letter will provide you with an overview of a federal undertaking that will adversely affect an historic district on Eglin Air Force Base that is considered eligible for listing on the National Register of Historic Places.

Section 106 of the National Historic Preservation Act states that any time a federal undertaking will have an anticipated adverse effect to a listed or eligible historic property, the agency (Eglin AFB) should allow and include public comment as part of the resolution of adverse effects. We are contacting you because of your affiliation with the Strategic Air Command (SAC) mission and/or your interest in other historic districts on Eglin.

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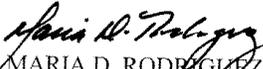
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Please see the attached brochure for a more detailed history of the district.

We are currently developing a Memorandum of Agreement (MOA) between Eglin, Florida's State Historic Preservation Officer and the JSF program managers on this proposed action. This MOA will discuss the parties' resolution of the adverse effects and will be signed into order prior to the action taking place. Your comments would be included as part of this consultation process.

If you would like to provide input to the proposed undertaking, please address your comments to Mr. Jerron Barnett, Environmental Public Affairs, 96 CEG/CEVH, 501 DeLeon Street, Suite 101, Eglin AFB FL 32542-5101 or by phone at (850) 883-3034. We would like to receive your input by 31 August, 2007.

Sincerely

  
MARIA D. RODRIGUEZ

Attachment:  
SAC Brochure

## Letter 24



Preserving America's Heritage

July 17, 2008

Ms. Maria D. Rodriguez  
Chief, Cultural Resources Branch  
501 DeLeon Street, Suite 101  
Eglin Air Force Base, FL 32542-5015

**Ref: Eglin Air Force Base PA for Base Realignment and Closure  
Eglin Air Force Base, Florida**

Dear Ms. Rodriguez:

On June 26, 2008, the Advisory Council on Historic Preservation (ACHP) received your notification and supporting documentation regarding the potential for adverse effects from the referenced undertaking on properties listed or eligible for listing in the National Register of Historic Places. Based upon the information you provided, we have concluded that Appendix A, *Criteria for Council Involvement in Reviewing Individual Section 106 Cases*, of our regulations, "Protection of Historic Properties" (36 CFR Part 800), does not apply to this undertaking. Accordingly, we do not believe that our participation in the consultation to resolve adverse effects is needed. However, if we receive a request for participation from the State Historic Preservation Officer (SHPO), Tribal Historic Preservation Officer, affected Indian tribe, or other party, we may reconsider this decision.

In reviewing the documentation we note the consideration of potential noise issues and their possible effects on currently occupied historic structures at Eglin. If you find our participation in the consultation process would assist in clarifying or resolving this or other such issues, do not hesitate to notify us.

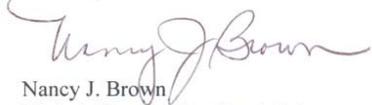
Pursuant to 36 CFR §800.6(b)(1)(iv), you will need to file the final Programmatic Agreement (PA), developed in consultation with the Florida SHPO and other consulting parties, and related documentation, with the ACHP at the conclusion of the consultation process. The filing of the PA and supporting documentation with the ACHP is required in order to complete the requirements of Section 106 of the National Historic Preservation Act.

ADVISORY COUNCIL ON HISTORIC PRESERVATION

1100 Pennsylvania Avenue NW, Suite 803 • Washington, DC 20004  
Phone: 202-606-8503 • Fax: 202-606-8647 • [achp@achp.gov](mailto:achp@achp.gov) • [www.achp.gov](http://www.achp.gov)

Thank you for providing us with the opportunity to review this undertaking. If you have any questions or require further assistance of the ACHP, please contact me at 202-606-8582, or e-mail me at nbrown@achp.gov.

Sincerely,



Nancy J. Brown  
Historic Preservation Specialist  
Federal Property Management Section  
Office of Federal Agency Programs

## Letter 25

**SAC MEMORIAL PROJECT**

Ron Resh, Project Coordinator  
10825 Bucknell Drive, Silver Spring, Maryland 20902-4325  
Phone 301-649-2169 Fax 301-649-7302  
E-mail: SACmemorial@aol.com

July 30, 2007

Mr. Jerron Barnett  
Environmental Public Affairs  
96 CEG/CEV  
501 DeLeon Street, Suite 101  
Eglin AFB, FL 32542-5105

Dear Mr. Barnett,

This refers to your phone call to me in June and the July 3, 2007 letter to me from the Acting Chief, Environmental Management Division inviting comments on the proposed demolition of several structures at Eglin AFB having historical significance to the mission of the Strategic Air Command (SAC).

Considering the importance of SAC to the United States Air Force, to the defense of our country, and indeed to the promotion of peace throughout the world, we who formerly served with SAC appreciate this opportunity to express our views. The following comments represent input from several SAC component organizations and individual SAC veterans, some of whom are familiar with the Eglin facilities.

While we regret the removal of any structure linked historically to SAC, we understand that current mission requirements need to be addressed. As we understand it, in the proposal under consideration, five historic structures would be demolished, but there would still remain other recognizable structures and facilities within the SAC Alert Historic District. We believe that with the proper care, consideration and public awareness, this should be sufficient to continue to honor and perpetuate the SAC presence and legacy at Eglin.

We were particularly impressed by the interesting brochure you have developed describing Eglin's SAC Alert Historic District, including the general background of SAC and Eglin's specific SAC history. Several people located in the Eglin area have expressed to us their hope that this type of information could be more prominently communicated to the general public. They suggested that the display of a plaque in a prominent location such as a headquarters building or other suitable area would address their concerns.

SAC/Eglin – Page 2

Again, we SAC veterans thank you for giving us the opportunity to present these comments. Please let us know if we can be of further help to you in connection with the proposed project or with the public recognition of SAC in the Eglin area.

Sincerely,

A handwritten signature in black ink that reads "Ron Resh". The signature is written in a cursive style with a large, prominent initial "R".

Ron Resh  
SAC Project Coordinator

## Letter 26

building better communities



July 30, 2007

Mr. Jerron Barnett  
 Environmental Public Affairs  
 96 CEG/CEVH  
 501 DeLeon Street, Suite 101  
 Eglin AFB, FL 32542-5101

Dear Mr. Barnett:

1000 Friends of Florida is a statewide 501(c)(3) nonprofit organization that works to save special places, fight sprawl, and build better communities in Florida. We recently received a letter from Ms. Maria D. Rodriguez regarding the proposed demolition of five historic structures in Eglin Air Force Base's SAC alert historic district.

The SAC Alert Historic District is a significant reminder of this nation's Cold War period. While we understand the need to construct modern facilities, we hope this can be undertaken in a manner sensitive to the important historic resources located at Eglin. In that light, we encourage you to continue to work in close cooperation with the Florida State Historic Preservation Office to minimize any impacts of proposed new development on this significant historic district and its resources.

We appreciate having the opportunity to provide input.

Sincerely,

  
 Charles G. Pattison, AICP  
 President

cc: Fred Gaske, Florida SHPO

1000 Friends of Florida • P.O. Box 5948 • Tallahassee, FL 32314-5948 • phone 850.222.6277 • fax 850.222.1117 • [www.1000friendsofflorida.org](http://www.1000friendsofflorida.org)

Board of Directors • Lester Abberger, *President*, Tim Jackson, *Vice President*, F. Gregory Barnhart, *Secretary*

Kathy Castor, Robert S. Davis, J. Allison DeFoor, Joel Embry, Mike Garretson, Robert W. Hopkins, Allen N. Jekis, Jr., Ralph B. Johnson, Curtis Kiser, James C. Nicholas, Steve Pfeiffer, Sibille Hart Pritchard, C. Allen Watts, Nathaniel P. Reed, *Chairman Emeritus*, John M. DeGrove, *President Emeritus*

Charles G. Pattison, AICP, *Executive Director*

Florida on recycled paper

## Letter 27



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS AIR ARMAMENT CENTER (AFMC)  
EGLIN AIR FORCE BASE, FLORIDA

20 DEC 2007

Maria D. Rodriguez  
Chief, Cultural Resources Branch  
96 CEG/CEVH  
501 Deleon St., Suite 101  
Eglin AFB FL 32542-5105

Frederick Gaske  
Director, Division of Historical Resources  
Department of State  
ATTN: Review and Compliance Section  
R.A. Gray Bldg  
500 South Bronough St  
Tallahassee FL 32399-0250

Re: Eglin Base Realignment and Closure Decisions: Demolition of the Strategic Air  
Command Alert Historic District

Dear Mr. Gaske

This letter is a follow up to the on-site visit of July 23, 2007 between our office and representatives of the Division of Historical Resources (DHR). At that meeting we discussed the possible demolition of buildings located in Eglin's Strategic Air Command (SAC) Alert Historic District. We also visited the site, saw each building that is on the proposed demolition list, and discussed why the reuse of each building is not an option, nor is the relocation of the proposed undertaking. Additionally, possible mitigation options were considered. At that meeting, the DHR agreed that preserving the structures was not an option.

According to the Programmatic Agreement (PA) between the Air Armament Center (AAC), Eglin Air Force Base, The Advisory Council on Historic Preservation and The Florida State Historic Preservation Officer (SHPO), section 8 (Demolition of Historic Properties), the following actions have to be completed prior to approving any actions that could cause the demolition of an historic property:

- (1) A consultation package shall be prepared by AAC when an undertaking is proposed that may result in the demolition of an historic property. The consultation package shall document the reasons(s) that the responsible command believes preservation of the historic property is not a prudent and feasible alternative to demolition, and shall be submitted to the SHPO for review. The SHPO shall have 30 days from the date of receipt for review.

- (2) The consultation package shall include, in addition to measures in stipulation A, the following information:
- a. The identification of, and location maps for, all affected historic properties, including clearly delineated boundaries for any affected historic district;
  - b. An assessment of the effects of the undertaking with regard to historic properties;
  - c. An analysis of reasonable alternative courses of action considered and the reasons for their rejection; and
  - d. A description of strategies proposed for mitigating adverse effect(s).

The following information is meant to serve as the required consultation package, documenting the reasons that preservation of the historic property is not feasible.

- (a) Identification and location maps of historic properties: The SAC Alert Historic District consists of 18 contributing structures (16 buildings and 2 taxiways), and 4 non-contributing structures. Maps of the SAC Alert Historic District, including clearly delineated boundaries, are provided in Atch 1-4. A SAC Alert Historic District report, supplied with a previous letter dated 3 Apr 2007, explains the significance of each structure and the district as a whole.
- (b) Assessment of the effects to historic properties: Buildings 1344 (8OK1387), 1326 (8OK1384), 1315 (8OK1382) and 1321 (no state number assigned), will be affected through proposed renovations. These renovations, however, will be strictly interior and will not affect any character defining features of the building. Therefore the effect will not be adverse.

Buildings 1343 (8OK1386), 1345 (8OK1388), 1352 (8OK1390), 1353 (8OK1391), 1339, 1286, and 1287 will be adversely effected by the proposed project through demolition. Buildings 1339, 1286 and 1287 do not yet have state ID numbers assigned to them, nor does the SAC Alert Historic District have a district ID number assigned to it. Buildings 1286 and 1287 are munitions storage buildings that were added to the demolition list since the SHPO's site visit in July.

The SAC Alert District as a whole will be adversely effected through the loss of 7 of its 16 contributing structures.

- (c) Analysis of reasonable alternatives: The letter sent on 03 Apr 2007 contains a list of criteria for site location of the Joint Strike Fighter Integrated Training Center (JSF ITC). The criteria list explains why Eglin, main base, was chosen for the location of the JSF ITC.

Buildings 1343 and 1345 are proposed for demolition to allow space for Aircraft Maintenance Unit (AMU) Hangars. Five of these hangars are planned to be constructed along the parking apron on the west end of the main runway. Therefore, the two AMUs that are scheduled to be constructed in the footprint of buildings 1343 and 1345 cannot be

re-sited to avoid impacting the Historic District. Building 1344 is nearly identical to buildings 1343 and 1345 and is being preserved.

Maps of the Area Development Plan for the JSF ITC show the proposed new facility footprint overlaying the existing facility footprints (Atch 5). A map of the parking apron expansion also shows how there is no room along the ramp to relocate the proposed AMUs (Atch 6).

Building 1339 is a fuel system nose dock, built prior to many safety standards that are in place today. Plant Replacement Value (PRV) of this building is \$3,630,000. To re-use this building, all code issues would have to be fixed. Furthermore, there are operational concerns with reusing this building because it was originally built to fuel bombers, and the JSF is a much smaller fighter aircraft.

Building 1352 is in the footprint for the possible construction of a Composite Repair Hangar. Building 1352 cannot be renovated to fit the capabilities of the proposed hangar. Also, the hangar must be located in this position because of its proximity to the flight line. If the Composite Repair Hangar is not funded, building 1352 will not be affected.

Building 1353 is a storage facility in very poor condition. Its PRV is \$2,239,000. Currently, an air-ground equipment (AGE) storage building is proposed to be constructed in its footprint. Over 50% of building 1353's PRV would have to be spent to renovate it for use as the AGE storage building.

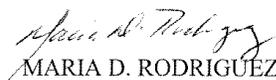
Buildings 1286 and 1287 are within the footprint of the planned munitions storage area (MSA) for the JSF. They will need to be demolished for the construction of the new facility.

- (d) Proposed Mitigation Strategies: We propose the following mitigation:
- 1) Update site forms completed for each structure in the SAC Alert Historic District
  - 2) Complete a Resource Group Form for the district as a whole
  - 3) Take a digital photo of the front façade of each building planned for demolition
  - 4) Provide an electronic copy of the floor plans for each building planned for demolition
  - 5) Create an informational pamphlet, for the purpose of distribution to the public, containing information about the Strategic Air Command and Eglin's role in the SAC mission

We look forward to any comments you may have concerning this matter. My point of contact for this effort is Ms. Beth Avery, Historic Building Program Manager (850-882-8464). If we have not received comments from your office within 30 days, we will assume

you concur with the assessment of effects to historic properties and the proposed mitigation strategies, and a draft Memorandum of Agreement will be sent to your office for review.

Sincerely

  
MARIA D. RODRIGUEZ, YF-02

6 Attachments:

1. Map of Overall SAC Alert Historic District
2. Map of Area 1 of SAC Alert Historic District
3. Map of Area 2 of SAC Alert Historic District
4. Map of Area 3 of SAC Alert Historic District
5. JSF ITC Area Development Plan-showing Area 2 of SAC Alert Historic District
6. JSF ITC Area Development Plan – showing extended parking apron

## Letter 28



**DEPARTMENT OF THE AIR FORCE**  
**HEADQUARTERS 96TH AIR BASE WING (AFMC)**  
**EGLIN AIR FORCE BASE, FLORIDA**

04 FEB 2008

Maria D. Rodriguez  
Chief, Cultural Resources Branch  
96 CEG/CEVH  
501 Deleon St., Suite 101  
Eglin AFB FL 32542-5105

Frank W. White  
Alabama Historical Commission  
468 South Perry Street  
Montgomery AL 36130

RE: Eglin Base Relocation and Closure (BRAC) undertakings that may affect historic properties in Alabama

Dear Mr. White

In accordance with Section 106 of the National Historic Preservation Act, 16 USC 470 et seq, Eglin Air Force Base (AFB) is informing your office of a federal undertaking at Eglin. The undertaking proposed by the 2005 Defense Base Closure and Realignment Commission may have an impact on historic properties in Alabama listed in or eligible for listing in the National Register of Historic Places (NRHP).

**BRAC Summary**

On 8 Sep 2005, the 2005 Defense Base Closure and Realignment Commission completed its review of initial BRAC recommendations made by the Secretary of Defense and forwarded a Final Report with a list of recommended base closures and realignments to the President. The President and Congress accepted the Commission's recommendations. Therefore, BRAC is congressionally mandated, and by law the Commission's recommendations must be implemented.

Under the National Environmental Policy Act, Eglin must analyze all the environmental impacts associated with this proposed action. Therefore, Eglin is developing an Environmental Impact Statement that will be released to the public later this year.

**Description of Undertaking**

The proposed undertaking at Eglin is to consolidate all Joint Strike Fighter (JSF) (i.e., the F-35) instructor pilots and operations support personnel to an initial joint training site at Eglin AFB. The F-35 is considered the next-generation aircraft strike weapons systems capable of meeting an advanced threat while improving lethality, survivability and supportability. The JSF has been identified as the potential aircraft for preserving the core force structure while meeting each military service's unique operating requirements and mission concepts.

Existing military training routes (MTRs) and special use areas (SUAs) over eight counties in Alabama, used by several different aircraft types for training from Eglin, will be used by the new JSF (Atch 1). As a result of this action, F-35 sorties will be more frequent and will produce higher noise levels than current Eglin flying operations in those areas. The proposed number of training flights will increase by 295 flights per year in both the VR-1082 route and VR-1085 route. The noise level range will increase from 31 to 42 dB to approximately 59 to 73 dB. Where the VR-1082 and VR-1085 routes overlap, areas will be impacted at noise levels greater than 75 db DNL. These flights will take place between 0700 and 2200 at a subsonic speed and an altitude no lower than 500 feet above ground level.

The areas in which the affected MTRs and SUAs are located are primarily over rural/agricultural or open water. However, there are several towns that may be affected by increased noise as a result of this action. A search of Alabama's NRHP listed historic sites shows that some historic structures are located beneath this airspace (Atch 2).

**Finding No Adverse Effect**

Sound levels less than 130 dB are highly unlikely to damage structural elements. Because the JSF does not surpass 130 dB in flight and the area beneath the MTRs will have infrequent exposure from the noise of the aircraft (an average of 1.5 over flights a day), Eglin believes this action will have no adverse effect on Alabama's historic properties.

Therefore, Eglin proposes a finding of no adverse effect. We look forward to any comments you may have on this matter. If we have not received comments from your office in 30 days, we will assume that you concur with this finding. Also, should you have any questions regarding the effects of the proposed undertaking, please contact Beth Avery at 850-882-8464.

Sincerely

  
MARIA D. RODRIGUEZ, YF-02

- 2 Attachments:  
1. Military training route map  
2. Index of NRHP eligible structures



Index By State County report	County	Resource Name	Address	City	Listed	Multiple
1 AL	Conecuh	Louisville and Nashville Depot	SW end of Front St. Roughly bounded by Mill, Cooper, Rural, Court, Liberty, E. Front, Cary and Despious Sts.	Evergreen	4/3/1975	
2 AL	Conecuh	New Evergreen Commercial Historic District	Despious Sts.	Evergreen	1/21/1994	
3 AL	Wilcox	Dry Forks Plantation	E of AL 41 5.5 mi. SW of Camden	Coy	2/26/1999	
4 AL	Wilcox	Oak Hill Historic District	Area around 1st, AL 19 and AL 21	Oak Hill	6/26/1998	
5 AL	Wilcox	Hawthorn House	9 - N Broad St.	Pine Apple	3/7/1985	
6 AL	Wilcox	Pine Apple Historic District	Roughly along Old Depot, Cty. Rd. 59, 7 and 61, Broad St. Banana St. AL 10 and Adams Dr.	Pine Apple	2/26/1999	
7 AL	Monroe	North Hope Baptist Church	About 4 mi. off Monroe Hwy Rd. 50 near AL 285	Beatrice	7/7/2005	
8 AL	Monroe	Robbins Hotel	AL 285	Beatrice	8/26/1987	
9 AL	Monroe	Delet Plantation	Along US 84 on W bank of Alabama R.	Monroeville	9/2/1994	
10 AL	Monroe	Old Monroe County Courthouse	Courthouse Sq.	Monroeville	4/26/1973	
11 AL	Escambia	Brewton Historic Commercial District	AL 3 and US 31	Brewton	3/15/1982	
12 AL	Covington	Andalusia Commercial Historic District	Roughly bounded by Coffee St., Seaboard RR tracks, and S. Three Notch St.	Andalusia	1/26/1989	
13 AL	Covington	Avant House	909 Sanford Rd.	Andalusia	2/16/1996	
14 AL	Covington	Bank of Andalusia	28 S. Court Sq.	Andalusia	1/28/1969	
15 AL	Covington	Central of Georgia Depot	125 Central St.	Andalusia	8/30/1984	
16 AL	Covington	Covington County Courthouse and Jail	101 N. Court Sq.	Andalusia	1/28/1989	
17 AL	Covington	First National Bank Building	101 S. Colton St.	Andalusia	8/26/1982	
18 AL	Clarke	Gainestown Methodist Church and Cemetery	Cty. Rd. 29, 0.3 mi. S of Cty. Rd. 33	Gainestown	7/28/1999	Clarke County MPS
19 AL	Clarke	Gainestown Schoolhouse	W. side Gainestown--Suggsville Public Rd. N of Good Hope Church	Gainestown	10/1/1992	
20 AL	Clarke	Wilson-Finlay House	N of Gainestown on Suggsville Rd.	Gainestown	7/12/1978	
21 AL	Clarke	Woodlands	Off U.S. 84	Gosport	4/28/1960	
22 AL	Clarke	Alston-Cobb House	120 Cobb St.	Grove Hill	4/30/1979	
23 AL	Clarke	Bush House	168 N. Church St.	Grove Hill	7/28/1999	Clarke County MPS
24 AL	Clarke	Coate, John A., House	DuBose St., bet. Church and Crawford Sts.	Grove Hill	7/28/1999	Clarke County MPS
25 AL	Clarke	Cobb House	US 84, 1.4 mi. W of US 43	Grove Hill	7/28/1999	Clarke County MPS
26 AL	Clarke	Dickinson House	101 Dickinson Ave.	Grove Hill	9/13/1978	Clarke County MPS
27 AL	Clarke	Fort Siquelield	SE of Grove Hill	Grove Hill	12/31/1974	
28 AL	Clarke	Grove Hill Courthouse Square Historic District	Main Sts.	Grove Hill	4/30/1998	Clarke County MPS
29 AL	Clarke	Pugh, Jesse Pickens, Farmstead	US 84, 3.5 mi. W of Grove Hill	Grove Hill	7/28/1999	Clarke County MPS
30 AL	Clarke	Cleveland, Stephen Besch, House	Cty. Rd. 35, 2.4 mi. S of US 84	Suggsville	7/28/1999	Clarke County MPS
31 AL	Clarke	Whitley Historic District	Roughly along Whitley Rd., from Grove Hill to the RR tracks	Whitley	4/30/1998	Clarke County MPS
32 AL	Baldwin	Latham United Methodist Church	E side Hwy. 59	Latham	8/25/1988	Rural Churches of Baldwin County TR
33 AL	Baldwin	Nelson House	Hwy. 59, North	Latham	12/20/1988	Coast Cottages in Baldwin County TR
34 AL	Baldwin	Fort Mirns Site	Address Restricted	Tensaw	9/14/1972	
35 AL	Baldwin	Montgomery Hill Baptist Church	E side Hwy. 59 on CR 80	Tensaw	8/25/1988	Rural Churches of Baldwin County TR

## Letter 29



**DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE, FLORIDA**

24 JUN 2008

Ms. Maria D. Rodriguez  
Chief, Cultural Resources Branch  
96 CEG/CEVH  
501 DeLeon Street, Ste 101  
Eglin AFB FL 32542-5105

US Army Special Operations Command  
Deputy Chief of Staff, Engineer  
ATTN: AOEN  
Bldg E-2929 Desert Storm Drive  
Fort Bragg NC 28310-9110

Dear Sir

As you are aware, Eglin Air Force Base (AFB) is in the planning phases of the Base Realignment and Closure (BRAC) project, which is an undertaking subject to 36 CFR Part 800, the regulations implementing Section 106 of the National Historic Preservation Act (16 U.S.C 470f). Eglin AFB has prepared the enclosed first draft of a Programmatic Agreement (PA) for the BRAC undertaking. The PA addresses development of both the Seventh Special Forces Group (Airborne) [7SFG(A)] and the Joint Strike Fighter (JSF) training programs. Pursuant to Section 106 regulations, Eglin AFB is requesting the 7SFG(A) leadership's comments on the enclosed draft PA, as further discussed below, and invites the JSF leadership to participate in the consultation process as a concurring party to the agreement.

Eglin AFB will accommodate the training and housing needs of the 7SFG (A) and the JSF commands. For 7SFG(A), this means building a new cantonment; utilizing 13 training ranges, which will require either new range construction or modifying existing ranges as needed; conducting ground and water-to-shore maneuvers in existing closed training areas and constructing two new drop zones for air to ground training. For JSF, the undertaking will entail modifying an existing portion of the Eglin Main airfield to construct a new cantonment; utilizing three existing air fields for flight training and using multiple bombing ranges for target practice.

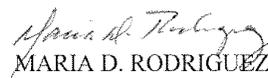
The undertaking will involve renovation and demolition of existing buildings and structures, construction of new buildings and facilities; construction-related ground disturbances, ground disturbances associated with operational use of bombing ranges and increased noise generated through aircraft operation. These activities will have an adverse effect on the Strategic Air Command (SAC) Alert historic district and may adversely affect other National Register buildings, structures and archaeological sites.

Eglin AFB requests that the 7SFG(A) leadership review the draft PA and provide any comments within 30 days of receiving this letter. Should we not receive a response from the

7SFG(A) leadership within the 30-day comment period, Eglin AFB will assume that the 7SFG(A) leadership has no objections to the PA as drafted.

Please contact Beth Avery at 850-882-8464 or via email [beth.avery@eglin.af.mil](mailto:beth.avery@eglin.af.mil), if you have any questions or concerns.

Sincerely

  
MARIA D. RODRIGUEZ, YF-02

2 Attachments:

1. Draft Programmatic Agreement
2. Executive Summary of Draft EIS on CD

Letter 30

FW BRAC Programmatic Agreement.txt  
From: Stanley, Mark Civ USAF AFMC 96CEG/CEVH  
Sent: Tuesday, September 09, 2008 12:51 PM  
To: Nelson, Sandy CTR USAF AFMC 96CEG/CEVH  
Subject: Fw: BRAC Programmatic Agreement

-----Original Message-----  
From: Steve Terry [mailto:SteveT@miccosukeetribe.com]  
Sent: Tuesday, July 01, 2008 10:28 AM  
To: Stanley Mark CIV USAF 96 CEG/CEVH  
Subject: BRAC Programmatic Agreement

Dear Mr. Stanley,

The Miccosukee Tribe received the Draft Programmatic Agreement for the BRAC undertaking for the Seventh Special Forces Group and the Joint Strike Fighter training programs. After careful review of the documentation provided and in consultation with Mr. Dayhoff, the Tribe has no objections to the draft. We are unable to sign the Programmatic Agreement due to cultural reasons. The Tribe appreciates that Eglin AFB is consulting with us on any and all impacts to archaeological sites.

Thank you for consulting with the Miccosukee Tribe. Please contact me if you have any questions.

Steve Terry  
NAGPRA & Section 106 Representative  
Miccosukee Tribe  
P.O. Box 440021  
Miami, FL 33144-0021  
(305) 223-8380, Ext. 2243  
(305) 223-8380, Ext. 2243  
Stevet@miccosukeetribe.com

## Letter 31



Preserving American Heritage

FSK1

July 17, 2008

Ms. Maria D. Rodriguez  
 Chief, Cultural Resources Branch  
 501 DeLeon Street, Suite 101  
 Eglin Air Force Base, FL 32542-5015

**Ref: Eglin Air Force Base PA for Base Realignment and Closure  
 Eglin Air Force Base, Florida**

Dear Ms. Rodriguez:

On June 26, 2008, the Advisory Council on Historic Preservation (ACHP) received your notification and supporting documentation regarding the potential for adverse effects from the referenced undertaking on properties listed or eligible for listing in the National Register of Historic Places. Based upon the information you provided, we have concluded that Appendix A, *Criteria for Council Involvement in Reviewing Individual Section 106 Cases*, of our regulations, "Protection of Historic Properties" (36 CFR Part 800), does not apply to this undertaking. Accordingly, we do not believe that our participation in the consultation to resolve adverse effects is needed. However, if we receive a request for participation from the State Historic Preservation Officer (SHPO), Tribal Historic Preservation Officer, affected Indian tribe, or other party, we may reconsider this decision.

In reviewing the documentation we note the consideration of potential noise issues and their possible effects on currently occupied historic structures at Eglin. If you find our participation in the consultation process would assist in clarifying or resolving this or other such issues, do not hesitate to notify us.

Pursuant to 36 CFR §800.6(b)(1)(iv), you will need to file the final Programmatic Agreement (PA), developed in consultation with the Florida SHPO and other consulting parties, and related documentation, with the ACHP at the conclusion of the consultation process. The filing of the PA and supporting documentation with the ACHP is required in order to complete the requirements of Section 106 of the National Historic Preservation Act.

ADVISORY COUNCIL ON HISTORIC PRESERVATION

1100 Pennsylvania Avenue NW, Suite 803 • Washington, DC 20004  
 Phone: 202-606-5903 • Fax: 202-606-8657 • [achp@nps.gov](mailto:achp@nps.gov) • [www.achp.gov](http://www.achp.gov)

2

Thank you for providing us with the opportunity to review this undertaking. If you have any questions or require further assistance of the ACHP, please contact me at 202-606-8582, or e-mail me at [nbrown@achp.gov](mailto:nbrown@achp.gov).

Sincerely,



Nancy J. Brown  
Historic Preservation Specialist  
Federal Property Management Section  
Office of Federal Agency Programs

## Letter 32



FLORIDA DEPARTMENT OF STATE  
**Kurt S. Browning**  
 Secretary of State  
 DIVISION OF HISTORICAL RESOURCES

Ms. Maria D. Rodriguez  
 Chief, Cultural Resources Branch  
 96 CEG/CEVH  
 501 DeLeon Street, Suite 101  
 Eglin Air Force Base, Florida 32542-5015

August 8, 2008

Re SHPO/DHR Project File No.: 2008-4230  
 Programmatic Agreement - Draft  
 Base Realignment and Closure (BRAC) Project  
 Eglin Air Force Base and Hurlburt Field

Dear Ms. Rodriguez:

Below are comments provided by Laura Kammerer of our staff regarding the draft programmatic agreement referenced above. The draft agreement is very good and appears to possibly need only minor changes. Please do not hesitate to contact Ms. Kammerer if you have any questions. We look forward to signing the final agreement and moving ahead with the BRAC actions at Eglin Air Force Base.

Page 2 - Stipulations – title seems inappropriate for this section. It is more informational. The stipulations really do not start until page 8 E

Page 3 – A. The ~~Area of Potential Effects (APE)~~... Already addressed on Page 1, third Whereas

Do a search and replace for entire document for NHRP to NRHP

Florida SHPO or SHPO -- consistency

Page 11 – 3. Page 3 – 3. Need a space between 2,132 and MFH

Page 14 – 3.(b) ...Eglin Field Appendix H).

Page 15 – 3.(b) ...aircraft noise will result in a change in the historical ~~use~~ integrity of the characteristics of a building..., and the historic characteristics ~~use of the building or structure~~ are an important.... This one is tough and may need to be defined somewhere. The use of a property can change and remain "historic", but if it is abandoned because of noise and has no viable use, that would be an adverse effect.

500 S. Bronough Street • Tallahassee, FL 32399-0250 • <http://www.flheritage.com>

Director's Office  
 (850) 245-6300 • FAX: 245-6436

Archaeological Research  
 (850) 245-6444 • FAX: 245-6452

Historic Preservation  
 (850) 245-6333 • FAX: 245-6437

Ms. Maria D. Rodriguez  
August 8, 2008  
Page 2

Page 17 – 2.(b) Extra line after end of it before (c)

Page 17 – 3. (a)

Page 17 – 3. A change in the use of the buildings in the Districts does not automatically constitute an adverse effect. A new and very different use for a building or structure is fine, provided its physical integrity is not adversely compromised – an adaptive reuse of historic properties is a good thing! Not sure if this section is necessary.

Page 18 – VII.A.4. ...Florida Unmarked Burial Law ~~FS 872~~ Chapter 872, Florida Statutes, as applicable....

Page 19 - IX. Should the SHPO or the ACHP object.... What avenue is there for the invited parties, particularly the Airborne and Fighter groups?

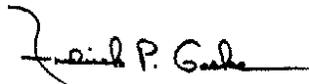
Signature Block – Organize in order of signing – Air Force first (Eglin, Airborne and Fighters), SHPO, ACHP, and Tribes.

Page 21 – ‘Who’ is the SAC Memorial Project and why would they be concurring parties?

We suggest that the references be made available on a website or an FTP site for easy access for all users. The documents should be very searchable too. We all should have hard copies, but where they physically located when needed will be a constant problem. One more document in a binder, and on whose shelf - that will be the important question in 10 or 15 years! On-line will be the place everyone will go to find such documents we think.

We look forward to a completed agreement for signature in the near future. If you have any questions concerning our comments or questions, please contact Laura Kammerer, Deputy State Historic Preservation Officer for Review and Compliance, at 850-245-6333 or lkammerer@dos.state.fl.us.

Sincerely,



Frederick P. Gaske, Director, and  
State Historic Preservation Officer

Xc: Tom McCulloch, ACHP

## Letter 33



**DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMG)  
EGLIN AIR FORCE BASE, FLORIDA**

12 SEP 2008

Ms. Maria D. Rodriguez  
Chief, Cultural Resources Branch  
96 CEG/CEVH  
501 Deleon St., Suite 101  
Eglin AFB FL 32542-5105

Mr. Ron Resh  
Project Coordinator  
10825 Bucknell Drive  
Silver Spring MD 20902-4325

Dear Mr. Resh

Enclosed for your concurrence is the Programmatic Agreement (PA) for Base Realignment and Closure (BRAC) undertaking. Eglin Air Force Base (Eglin AFB) developed the PA pursuant to 36 CFR Part 800.14 in order to meet its responsibilities under Section 106 of the National Historic Preservation Act. Eglin AFB invites you to sign the PA as a concurring party. You may also choose not to sign if that is your preference. To expedite signing, the PA is being sent to all the consulting parties concurrently. Should you choose to sign, Eglin AFB requests that you sign the PA as soon as possible in accordance with the following instructions.

1. Please sign the enclosed signature page for your organization.
2. Send the signed page with your original signature to me at the address below.

Ms. Maria D. Rodriguez  
Chief, Cultural Resources Branch  
96 CEG/CEVH  
501 Deleon St., Suite 101  
Eglin AFB FL 32542-5105

The Air Force will compile the signed pages from all the consulting parties and send them, along with the Agreement, to the Advisory Council on Historic Preservation (ACHP) for filing. Once the Agreement has been filed with the ACHP, the terms of the PA will go into effect, and the Section 106 process will be concluded for the BRAC undertaking. Eglin AFB will send you copies of all the signature pages for your records.

## Letter 34



**DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE, FLORIDA**

12 SEP 2008

Ms. Maria D. Rodriguez  
Chief, Cultural Resources Branch  
96 CEG/CEVH  
501 Deleon St., Suite 101  
Eglin AFB FL 32542-5105

Mr. Steve Terry  
Manager of Land Resources  
Miccosukee Tribe of Indians of Florida  
Tamiami Station, P.O. Box 440021  
Miami FL 33144

Dear Mr. Terry

Enclosed for your concurrence is the Programmatic Agreement (PA) for Base Realignment and Closure (BRAC) undertaking. Eglin Air Force Base (Eglin AFB) developed the PA pursuant to 36 CFR Part 800.14 in order to meet its responsibilities under Section 106 of the National Historic Preservation Act. Eglin AFB invites you to sign the PA as a concurring party. You may also choose not to sign if that is your preference. To expedite signing, the PA is being sent to all the consulting parties concurrently. Should you choose to sign, Eglin AFB requests that you sign the PA as soon as possible in accordance with the following instructions.

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2. Send the signed page with your original signature to me at the address below.

Ms. Maria D. Rodriguez  
Chief, Cultural Resources Branch  
96 CEG/CEVH  
501 Deleon St., Suite 101  
Eglin AFB FL 32542-5105

The Air Force will compile the signed pages from all the consulting parties and send them, along with the Agreement, to the Advisory Council on Historic Preservation (ACHP) for filing. Once the Agreement has been filed with the ACHP, the terms of the PA will go into effect and the Section 106 process will be concluded for the BRAC undertaking. Eglin AFB will send you copies of all the signature pages for your records.

## Letter 35



**DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE, FLORIDA**

12 SEP 2008

Ms. Maria D. Rodriguez  
Chief, Cultural Resources Branch  
96 CEG/CEVH  
501 Deleon St., Suite 101  
Eglin AFB FL 32542-5105

Chairman Buford L. Rolin  
Poarch Band of Creek Indians  
5811 Jack Springs Road  
Atmore AL 36502

Dear Chairman Rolin

Enclosed for your concurrence is the Programmatic Agreement (PA) for Base Realignment and Closure (BRAC) undertaking. Eglin Air Force Base (Eglin AFB) developed the PA pursuant to 36 CFR Part 800.14 in order to meet its responsibilities under Section 106 of the National Historic Preservation Act. Eglin AFB invites you to sign the PA as a concurring party. You may also choose not to sign if that is your preference. To expedite signing, the PA is being sent to all the consulting parties concurrently. Should you choose to sign, Eglin AFB requests that you sign the PA as soon as possible in accordance with the following instructions.

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2. Send the signed page with your original signature to me at the address below.

Ms. Maria D. Rodriguez  
Chief, Cultural Resources Branch  
96 CEG/CEVH  
501 Deleon St., Suite 101  
Eglin AFB FL 32542-5105

The Air Force will compile the signed pages from all the consulting parties and send them, along with the Agreement, to the Advisory Council on Historic Preservation (ACHP) for filing. Once the Agreement has been filed with the ACHP, the terms of the PA will go into effect, and the Section 106 process will be concluded for the BRAC undertaking. Eglin AFB will send you copies of all the signature pages for your records.

## Letter 36



**DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE, FLORIDA**

**12 SEP 2008**

Ms. Maria D. Rodriguez  
Chief, Cultural Resources Branch  
96 CEG/CEVH  
501 Deleon St., Suite 101  
Eglin AFB FL 32542-5105

Mr. Willard Steele  
Tribal Historic Preservation Officer  
Seminole Tribe of Florida  
Ah-Tah-Thi-Ki Museum, HC-61, Box 21A  
Clewiston FL 33440

Dear Mr. Steele

Enclosed for your concurrence is the Programmatic Agreement (PA) for Base Realignment and Closure (BRAC) undertaking. Eglin Air Force Base (Eglin AFB) developed the PA pursuant to 36 CFR Part 800.14 in order to meet its responsibilities under Section 106 of the National Historic Preservation Act. Eglin AFB invites you to sign the PA as a concurring party. You may also choose not to sign if that is your preference. To expedite signing, the PA is being sent to all the consulting parties concurrently. Should you choose to sign, Eglin AFB requests that you sign the PA as soon as possible in accordance with the following instructions.

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2. Send the signed page with your original signature to me at the address below.

Ms. Maria D. Rodriguez  
Chief, Cultural Resources Branch  
96 CEG/CEVH  
501 Deleon St., Suite 101  
Eglin AFB FL 32542-5105

The Air Force will compile the signed pages from all the consulting parties and send them, along with the Agreement, to the Advisory Council on Historic Preservation (ACHP) for filing. Once the Agreement has been filed with the ACHP, the terms of the PA will go into effect, and the Section 106 process will be concluded for the BRAC undertaking. Eglin AFB will send you copies of all the signature pages for your records.

## Letter 37



**DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE, FLORIDA**

12 SEP 2008

Ms. Maria D. Rodriguez  
Chief, Cultural Resources Branch  
96 CEG/CEVH  
501 Deleon St., Suite 101  
Eglin AFB FL 32542-5105

Ms. Joyce A. Bear  
Muscogee (Creek) Nation of Oklahoma  
P.O. Box 580  
Okmulgee OK 74447

Dear Ms. Bear

Enclosed for your concurrence is the Programmatic Agreement (PA) for Base Realignment and Closure (BRAC) undertaking. Eglin Air Force Base (Eglin AFB) developed the PA pursuant to 36 CFR Part 800.14 in order to meet its responsibilities under Section 106 of the National Historic Preservation Act. Eglin AFB invites you to sign the PA as a concurring party. You may also choose not to sign if that is your preference. To expedite signing, the PA is being sent to all the consulting parties concurrently. Should you choose to sign, Eglin AFB requests that you sign the PA as soon as possible in accordance with the following instructions.

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2. Send the signed page with your original signature to me at the address below.

Ms. Maria D. Rodriguez  
Chief, Cultural Resources Branch  
96 CEG/CEVH  
501 Deleon St., Suite 101  
Eglin AFB FL 32542-5105

The Air Force will compile the signed pages from all the consulting parties and send them, along with the Agreement, to the Advisory Council on Historic Preservation (ACHP) for filing. Once the Agreement has been filed with the ACHP, the terms of the PA will go into effect, and the Section 106 process will be concluded for the BRAC undertaking. Eglin AFB will send you copies of all the signature pages for your records.

## Letter 38



**DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE, FLORIDA**

12 SEP 2008

Maria D. Rodriguez  
Chief, Cultural Resources Branch  
96 CEG/CEVH  
501 Deleon St., Suite 101  
Eglin AFB FL 32542-5105

Frederick Gaske  
Director, Division of Historical Resources  
Department of State  
ATTN: Review and Compliance Section  
R.A. Gray Bldg  
500 South Bronough St  
Tallahassee FL 32399-0250

Dear Mr. Gaske

Enclosed for your signature is the Programmatic Agreement (PA) for the Base Realignment and Closure (BRAC) undertaking. Eglin Air Force Base (Eglin AFB) developed the PA pursuant to 36 CFR Part 800.14 in order to meet its responsibilities under Section 106 of the National Historic Preservation Act. As a full signatory to the agreement, your signature is required for its implementation. To expedite signing, the PA is being sent to all the consulting parties concurrently. Eglin AFB requests that you sign the PA as soon as possible in accordance with the following instructions.

1. Please sign the enclosed signature page for your organization.
2. Send the original signed page to me at the address below.

Ms. Maria D. Rodriguez  
Chief, Cultural Resources Branch  
96 CEG/CEVH  
501 Deleon St., Suite 101  
Eglin AFB FL 32542-5105

The Air Force will compile the signed pages from all the consulting parties and send them, along with the PA, to the Advisory Council on Historic Preservation (ACHP) for filing. Once the PA has been filed with the ACHP, the terms of the PA will go into effect, and the Section 106 process will be concluded for the BRAC undertaking. Eglin AFB will send you a copy of all the signature pages for your records.

## Letter 39



**DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE, FLORIDA**

12 SEP 2008

Maria D. Rodriguez  
Chief, Cultural Resources Branch  
96 CEG/CEVH  
501 Deleon St., Suite 101  
Eglin AFB FL 32542-5105

Colonel George Ross  
Commander, AETC JSF Program Integration Office  
AETC-PIO/CC  
983 Escambia Rd, Bldg 983  
Eglin AFB FL 32542

Dear Colonel Ross

Enclosed for your signature is the Programmatic Agreement (PA) for the Base Realignment and Closure (BRAC) undertaking. Eglin Air Force Base (Eglin AFB) developed the PA pursuant to 36 CFR Part 800.14 in order to meet its responsibilities under Section 106 of the National Historic Preservation Act. As a full signatory to the agreement, your signature is required for its implementation. To expedite signing, the PA is being sent to all the consulting parties concurrently. Eglin AFB requests that you sign the PA as soon as possible in accordance with the following instructions.

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Ms. Maria D. Rodriguez  
Chief, Cultural Resources Branch  
96 CEG/CEVH  
501 Deleon St., Suite 101  
Eglin AFB FL 32542-5105

The Air Force will compile the signed pages from all the consulting parties and send them, along with the PA, to the Advisory Council on Historic Preservation (ACHP) for filing. Once the PA has been filed with the ACHP, the terms of the PA will go into effect, and the Section 106 process will be concluded for the BRAC undertaking. Eglin AFB will send you a copy of all the signature pages for your records.

## Letter 40



**DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 96TH AIR BASE WING (AFMC)  
EGLIN AIR FORCE BASE, FLORIDA**

12 SEP 2008

Maria D. Rodriguez  
Chief, Cultural Resources Branch  
96 CEG/CEVH  
501 Deleon St., Suite 101  
Eglin AFB FL 32542-5105

Colonel (GS), Andrew N. Milani II  
Chief of Staff  
Headquarters, United States Army  
Special Operations Command  
ATTN: AOCS  
Bldg E-2929 Desert Storm Drive  
Fort Bragg NC 28310-9110

Dear Colonel Milani

Enclosed for your signature is the Programmatic Agreement (PA) for the Base Realignment and Closure (BRAC) undertaking. Eglin Air Force Base (Eglin AFB) developed the PA pursuant to 36 CFR Part 800.14 in order to meet its responsibilities under Section 106 of the National Historic Preservation Act. As a full signatory to the agreement, your signature is required for its implementation. To expedite signing, the PA is being sent to all the consulting parties concurrently. Eglin AFB requests that you sign the PA as soon as possible in accordance with the following instructions.

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Ms. Maria D. Rodriguez  
Chief, Cultural Resources Branch  
96 CEG/CEVH  
501 Deleon St., Suite 101  
Eglin AFB FL 32542-5105

The Air Force will compile the signed pages from all the consulting parties and send them, along with the PA, to the Advisory Council on Historic Preservation (ACHP) for filing. Once the PA has been filed with the ACHP, the terms of the PA will go into effect, and the Section 106 process will be concluded for the BRAC undertaking. Eglin AFB will send you a copy of all the signature pages for your records.

If you have any questions, please contact me at 850-882-7794 or via email at [maria.rodriguez@eglin.af.mil](mailto:maria.rodriguez@eglin.af.mil).

Sincerely

  
MARIA D. RODRIGUEZ, YF- 02

- 2 Attachments:
1. Programmatic Agreement
  2. Signature page

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**ATTACHMENT 2 –**

**HISTORICAL AND ARCHAEOLOGICAL RESOURCES**  
**PROGRAMMATIC AGREEMENT**  
**SPECIFIC TO THE EGLIN 2005 BRAC DECISION IMPLEMENTATION**

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## INTRODUCTION

The following finalized PA reflects consultation and review by ACHP, FL SHPO, Miccosukee Tribe of Indians of Florida, Poarch Band of Creek Indians, Seminole Tribe of Florida, Muscogee (Creek) Nation of Oklahoma, U.S. Army Special Operations Command, and the SAC Memorial Project during June and July 2008; feedback was received from the ACHP, FL SHPO, Ron Resh - Project Coordinator, Miccosukee Tribe, AETC JSF Program, and U.S. Army Special Operations Command; and subsequent revisions.

**PROGRAMMATIC AGREEMENT  
AMONG  
EGLIN AIR FORCE BASE  
SEVENTH SPECIAL FORCES GROUP (AIRBORNE)  
JOINT STRIKE FIGHTER PROGRAM  
AND  
THE FLORIDA STATE HISTORIC PRESERVATION OFFICER  
REGARDING  
THE PROPOSED IMPLEMENTATION OF THE BASE REALIGNMENT AND  
CLOSURE (2005) DECISION AND RELATED ACTIONS,  
EGLIN AIR FORCE BASE, FLORIDA**

**WHEREAS**, in response to the 2005 Base Realignment and Closure (BRAC) decision approved by Congress, the U.S. Army's Seventh Special Forces Group (Airborne) [7SFG(A)] and the Joint Strike Fighter (JSF) pilot training program, consisting of elements from the U.S. Navy, Marines and Air Force, will relocate to Eglin Air Force Base (Eglin AFB), Florida (See vicinity maps, Appendix A); and

**WHEREAS**, the Air Force, Army, Navy and Marines, have identified four separate but interrelated needs that must be met to implement the BRAC recommendations: (1) a cantonment for the 7SFG(A); (2) range training areas for the 7SFG (A); (3) a cantonment for the JSF; and (4) flight training areas for JSF. Eglin AFB will be responsible for meeting these needs, which will require construction, demolition, renovation and operational use of lands and facilities throughout Eglin AFB (the "Undertaking"); and

**WHEREAS**, the Area of Potential Effects (APE) for the undertaking, as further described below, contains multiple historic buildings, structures and archaeological sites as well as five historic districts that are either listed in or eligible for listing in the National Register of Historic Places (NRHP); and

**WHEREAS**, Eglin AFB has consulted with Florida State Historic Preservation Officer (SHPO) and the Advisory Council on Historic Preservation (ACHP) pursuant to 36 CFR Part 800, the regulations implementing Section 106 of the National Historic Preservation Act (16 U.S.C 470f), has determined that the undertaking will have an adverse effect on historic properties; and

**WHEREAS**, Eglin AFB has provided the public with an opportunity to comment on this undertaking through coordinated compliance with Section 106 and the National Environmental Policy Act, as set forth in 36 CFR Part 800.8; and

**WHEREAS**, Eglin AFB has consulted with the 7SFG (A) Command and the JSF Command and invited them to be signatories to this Programmatic Agreement (PA); and

**WHEREAS**, Eglin AFB has consulted with SAC Memorial Project, a private veterans organization, concerning the adverse effects of the undertaking to the SAC Alert Historic District and has invited it to be a concurring party to this PA; and

**WHEREAS**, Eglin AFB has also consulted with four federally recognized tribes, the Miccosukee Tribe of Indians of Florida, the Seminole Tribe of Florida, the Poarch Band of Creek Indians of Alabama, and the Muskogee (Creek) Nation of Oklahoma (the tribes), concerning places of religious and cultural significance to them that may be affected by the undertaking and has invited the tribes to participate as concurring parties to this agreement; and

**WHEREAS**, Eglin AFB, in developing this PA, has met the requirements of Section 8 (Demolition of Historic Properties) of the Programmatic Agreement between Eglin AFB, the SHPO and the ACHP regarding the preservation and protection of historical and archaeological resources located at Eglin AFB, which was implemented on February 14, 2003 (Eglin Air Force Base 2003 );

**NOW THEREFORE**, the signatories to this PA agree that the proposed BRAC development within Eglin AFB will be implemented in accordance with the following stipulations in order to take into account the effects of the undertaking.

### **Background**

#### **I. Description of the Undertaking**

- A. In compliance with the BRAC recommendations, Eglin AFB will accommodate the training needs of the 7SFG(A) and the JSF commands. For 7SFG(A), this means building a new cantonment; utilizing 13 training ranges (which will require either new range construction or modifying existing ranges as needed); conducting ground and water-to-shore maneuvers in existing closed training areas; and constructing two new drop zones for air-to-ground training. For JSF, the undertaking will entail modifying an existing portion of the Eglin Main airfield to construct a new cantonment; utilizing three existing air fields for flight training; and using multiple bombing ranges for target practice. The undertaking will involve renovation and demolition of existing buildings and structures, construction of new buildings and facilities, construction-related ground disturbance, ground disturbances associated with operational use of bombing ranges, and noise generated through aircraft operation.
- B. Because the 7SFG(A) and JSF components of the undertaking are functionally and spatially distinct, this PA is organized to resolve the adverse effects of each component in succession. Specific stipulations relevant to both components are cited where applicable; general stipulations follow at the end of the document.

#### **II. Site Probability Model**

- A. Eglin AFB has developed an installation-wide archaeological Site Probability Model. The model is based upon the environmental signature of known prehistoric archaeological sites. It correlates site location, landform and proximity to potable water to predict the expected location of sites in areas that have not yet been inventoried. Eglin AFB uses the Site Probability Model to characterize the landscape within the base as either high or low probability for prehistoric archaeological sites (Eglin Air Force Base Historic Preservation).

- B. Eglin AFB has also identified the probable locations of former historic homesteads that are now archaeological sites by researching archival records on homestead claims. These results, plus the predicted location of prehistoric archaeological sites, are used to define the probability areas. The Site Probability Model is used to guide identification efforts; high probability areas are surveyed whereas low probability areas are typically not surveyed.
- C. The SHPO accepts the validity of the Site Probability Model and its use for identification in this manner. Eglin AFB has used, and will continue to use, the Site Probability Model to determine where to conduct additional archaeological survey needed for the 7SFG(A) and JSF components of the BRAC undertaking.

### Stipulations

#### III. Seventh Special Forces Group (Airborne)

##### A. Area of Potential Effects

The APE for the 7SFG(A) component is shown on the map in Appendix B and consists of the following elements

1. The Cantonment Area
2. Group 1 Training Ranges
3. Group 2 Training Ranges
4. Closed Training Areas
5. Drop Zones
6. Shoreline Infiltration Training Areas

Note: Infiltration training at shoreline/riverine sites for the 7SFG(A) is intended within Eglin AFB. Planning, however, has not identified those areas and as a consequence they are not currently included in the APE for the BRAC undertaking. When 7SFG(A) can describe the shoreline infiltration training activities that will take place, and identifies the location and extent of the areas needed for training, then Eglin AFB, in consultation with 7SFG(A), shall prepare an amendment to this PA following Stipulation X. The amendment shall identify the training activities to be conducted, the location and extent of the training areas, a description of all recorded cultural resources within these areas and an assessment of whether or not additional survey is needed. The amendment will commit Eglin AFB to comply with the terms of this PA in resolving the adverse effects of shoreline/riverine training for the BRAC undertaking.

##### B. Identification

Eglin AFB, in consultation with the SHPO, has determined that historic properties are present within the 7SFG(A) component of the BRAC APE. The results of identification and NRHP determinations are presented in Appendix C and further summarized below.

1. Cantonment

Four cultural resources surveys, covering 69.5 acres, have been conducted in the 500-acre APE for the proposed 7SFG(A) Cantonment. All high probability areas have been surveyed and no cultural resources have been identified. Survey of the Cantonment area is complete.

2. Group 1 Training Ranges

Three cultural resources surveys, covering 14.4 acres, have been conducted in the 27.7-acre APE for the Group 1 Training Ranges. All high probability areas have been surveyed and no cultural resources have been identified. Survey of the Group 1 Training Ranges is complete.

3. Group 2 Training Ranges

- (a) Thirty-eight cultural resources surveys, covering 5,311 acres, have been conducted within the 9,015-acre APE for the Group 2 Training Ranges. All high probability areas have been surveyed, except for 119 acres, which were excluded from survey due to the presence of unexploded ordinance. Survey of the Group 2 Training Ranges is complete.

- (b) The surveys identified 32 archaeological sites and seven buildings. Eglin AFB, in consultation with SHPO, has determined that 21 of the archaeological sites are not NRHP eligible; however, 11 sites may be eligible. Four of the seven buildings are NRHP eligible and three of the buildings may be eligible (See Appendix C).

4. Closed Training Areas

- (a) Two hundred two cultural resources surveys, covering 40,113 acres, have been conducted within the 62,222-acre APE for the Closed Training Areas. The surveys targeted only those areas that the Site Probability Model indicated have a high probability for historic archaeological sites. At Eglin AFB, historic archaeological sites have an above ground expression whereas prehistoric archaeological sites are typically found in subsurface contexts and are thus protected from training-related surface disturbances. Prehistoric archaeological sites have also been recorded during survey where the historic and prehistoric high probability areas have overlapped. The remaining high probability areas for prehistoric archaeological sites within the APE for the Closed Training Areas, however, will not be surveyed for the BRAC undertaking because training related disturbances will be limited to surface ground disturbance only, as further discussed in Stipulation III.D.4.(a)

- (b) The surveys have identified a total of 285 archaeological sites and two buildings. Eglin AFB, in consultation with the SHPO, has determined that 243 sites are not NRHP eligible; two sites are NRHP eligible and 40 sites may be eligible for NRHP listing. The two buildings are eligible for NRHP listing (See Appendix C). Eglin

AFB has completed SHPO consultation on all surveys except for seven reports. Egin AFB will complete SHPO consultation on the results of these surveys and make determinations of NRHP eligibility, as needed, following the procedures in Stipulation III.C below.

- (c) Additional survey of the high probability areas for historic archaeological sites is required to complete identification for the Closed Training Areas. All surveys shall be conducted by a professional meeting the qualifications standards in Stipulation V. The surveys will be carried out following the Secretary of the Interior's Standards and Guidelines for Archaeology and Historic Preservation included herein by reference. As new surveys are completed, Egin AFB will submit survey reports to SHPO for review.

#### 5. Drop Zones

Ten cultural resources surveys, covering 606 acres, have been conducted within the 764-acre APE for the Drop Zones. All high probability areas have been surveyed resulting in the identification of two archaeological sites. Survey of the Drop Zones is complete. Egin AFB, in consultation with the SHPO, has determined that one of the archaeological sites is not NRHP eligible and one site may be NRHP eligible (See Appendix C). Egin AFB, in consultation with SHPO, shall determine the NRHP eligibility of the site following Stipulation III.C.

#### 6. Shoreline Infiltration Training Areas

See note in Stipulation III.A.

### C. National Register Eligibility

1. At Egin AFB, archaeological sites require subsurface testing to determine their NRHP eligibility status. Any archaeological site that will be adversely affected by the undertaking that has not been previously evaluated will be tested for NRHP eligibility. Only those sites that are determined to be NRHP eligible will be subject to data recovery, if, after further consultation, Egin AFB determines data recovery is appropriate. Egin AFB will not be required to consult with SHPO prior to eligibility testing. All testing of archaeological sites will be conducted by a professional who meets the qualification standards in Stipulation V. If an archaeological site can be avoided in accordance with Stipulation III.E.1, Egin AFB may choose not to test the site for NRHP eligibility until a later time. Under these circumstances, the undertaking may take place provided that any measures necessary to ensure avoidance are put in place.
2. Egin AFB, in consultation with SHPO, will make a determination of NRHP eligibility for any building or structure not previously evaluated that will be adversely affected by the undertaking. Additional recording may be required to update structural inventory forms, or similar documents, which Egin AFB will submit to SHPO for consultation on NRHP eligibility. All recording of buildings or structures will be conducted by a

professional who meets the qualification standards in Stipulation V. Only those historic buildings and structures that are determined NRHP eligible shall be subject to treatment. If, however, the building or structure will not be affected following Stipulation III.E.1, then Eglin AFB may choose not to consult on its eligibility status until a later time. Under these circumstances, the undertaking may take place provided that any measures necessary to ensure avoidance are put in place.

3. In those cases where Eglin AFB must make a determination of NRHP eligibility because an archaeological site or historic building or structure may be adversely affected, or it chooses to make an NRHP eligibility determination following avoidance, Eglin AFB will follow the procedures presented below.
  - (a) Eglin AFB shall submit an archaeological testing report or an updated structural inventory form, as applicable, to SHPO for a 30-day review along with its eligibility recommendations. If a prehistoric archaeological site is tested, Eglin AFB shall also submit the testing report to the tribes. The tribal review will be concurrent with the SHPO review.
  - (b) If the SHPO does not respond within the 30-day comment period, Eglin AFB will assume that SHPO has no objection to its eligibility determination. Eglin AFB shall take into consideration any comments and recommendations received by the tribes during the 30-day review period in making its eligibility determination.
  - (c) Where there is agreement on eligibility between Eglin AFB and the SHPO, the eligibility determination will be accepted by both parties. Any disagreement between Eglin AFB and the SHPO over the eligibility determination shall be submitted by Eglin AFB to the Keeper of the National Register for determination pursuant to 36 CFR Part 63. The Keeper's determination shall be final.

#### D. Assessment of Effects

The 7SFG(A) component of the BRAC undertaking will involve construction-related ground disturbance, as well as ground disturbances associated with the operational use of firing ranges and training areas that contain NRHP eligible archaeological sites and buildings. As such, the characteristics that make these historic properties eligible for listing in the NRHP may be altered in ways that diminish their integrity of location, setting, materials or other aspects of integrity.

##### 1. The Cantonment Area

There are no historic properties within the Cantonment Area. The proposed construction of the Cantonment Area will have no effect to historic properties. Should archaeological deposits be discovered during construction, however, Eglin AFB will follow the provisions for unanticipated discoveries in Stipulation VI.

## 2. Group 1 Training Ranges

There are no historic properties within the Group I Training Ranges. The proposed construction of the Group I Training Ranges will have no effect to historic properties. Should archaeological deposits be discovered during construction, however, Eglin AFB will follow the provisions for unanticipated discoveries in Stipulation VI.

## 3. Group 2 Training Ranges

- (a) Ground disturbance relating to the construction of new ranges or modifications to existing ranges, plus the operational use of the ranges after construction, may adversely affect the 11 recorded archaeological sites that are potentially eligible to the NRHP as well as the four NRHP eligible buildings and the three buildings that are potentially eligible for NRHP listing.
- (b) Any NRHP eligible archaeological site or building that cannot be protected through avoidance in accordance with Stipulation III.E.1 will be adversely affected by the undertaking. Eglin AFB shall coordinate with 7SFG(A) and follow the procedures in Stipulation III.E.2 through III.E.4, as applicable, to resolve the adverse effects.

## 4. Closed Training Areas

- (a) Operational use of the Closed Training Areas will result in disturbances to ground surfaces only. These disturbances will occur through pedestrian use of the Training Areas by small units of trainees. All vehicle traffic will be confined to existing roads and trails. The trainees will use existing bivouac sites. There will be no digging or trenching or other subsurface disturbances during the training use of the Closed Training Areas by the 7SFG(A).
- (b) Surface ground disturbance relating to the operational use of the Closed Training Areas, may adversely affect the 44 recorded archaeological sites and buildings that are either NRHP eligible or potentially eligible for listing. Additional NRHP eligible archaeological sites and buildings may be identified during continued survey in the Closed Training Areas.
- (c) Any NRHP eligible archaeological site or building that cannot be protected through avoidance in accordance with Stipulation III.E.1 will be adversely affected by the undertaking. Eglin AFB shall coordinate with 7SFG(A) and follow the procedures in Stipulation III.E.2 through III.E.4, as applicable, to resolve the adverse effects.
- (d) Eglin AFB will exclude from all ground maneuvers those portions of the Closed Training Areas that have yet to be surveyed for cultural resources and will inform the 7SFG(A) where the exclusions apply. Eglin AFB will notify 7SFG(A) when the requirements of this PA have been met for these areas and when these areas can be used for training purposes.

#### 5. Drop Zones

- (a) Construction related activities and/or operational use of the Drop Zones may adversely affect the one archaeological site that may be NRHP eligible. The site will either be avoided in accordance with the procedures in Stipulation III.E.1, or if avoidance is not possible or desirable, Eglin AFB will, as needed, make a determination of NRHP eligibility in accordance with Stipulation III.C.
- (b) Should the site be determined to be NRHP eligible, and if it cannot be protected through avoidance, the site will be adversely affected by the undertaking. Eglin AFB shall coordinate with 7SFG(A) and conduct either archaeological data recovery in accordance with Stipulation III.E.2 or alternative mitigation pursuant to Stipulation III.E.4, to resolve the adverse effects.

#### 6. Shoreline Infiltration Training Areas

See note in Stipulation III.A.

#### E. Resolution of Adverse Effects

All historic properties will be avoided whenever possible for the duration of this agreement. Where avoidance is not possible or desirable, Eglin AFB shall resolve the adverse effects of the BRAC undertaking. Avoidance, archaeological data recovery, architectural treatment and alternative mitigation will be achieved in the following manner.

##### 1. Avoidance Measures

- (a) Avoidance and preservation in place of archaeological or architectural resources will require use of highly visible avoidance measures installed on the ground around the recorded limits of the sites or buildings for the purpose of communicating “off limits” to trainees. The avoidance measures shall include one or more of the following as needed.
  - (1) Flagging: Installing temporary flagging around the limits of the site or building using colored flagging tape.
  - (2) Painting trees/vegetation: Applying highly visible paint to trees or other vegetation.
  - (3) Temporary fencing: Installing temporary fencing around the limits of the site or building using removable fencing, such as chain link fencing or wire and T posts.
  - (4) Other removable barriers: Installing removable barriers, such as earthen berms or portable concrete barriers.

- (5) Signage: Installing permanent or semi-permanent signage at eye level in proximity to the site or building. Eglin AFB shall employ a universally recognizable symbol printed on metal or other durable material that is mounted on metal stakes or posts and set on the ground around the limits of the site or building as needed.
- (6) Gating and other permanent barriers: Constructing permanent barriers, such as gates, around the limits of sites or buildings.
- (b) Eglin AFB will map the location of all archaeological sites and historic buildings to be avoided for the BRAC undertaking and describe in writing the avoidance measures used for each site.
- (c) Eglin AFB shall install all avoidance measures and ensure that for the BRAC undertaking all avoidance measures are in place on the ground before a training range or training area can be used for training purposes. Eglin AFB will not be required to consult with the SHPO or other consulting parties when avoidance can be achieved, but may seek their advice, as needed.
- (d) To ensure that avoidance is achieved in a consistent and coordinated manner, Eglin AFB shall
  - (1) Consult with 7SFG(A) to determine the color and type of marking such as flagging tape to be used for avoidance.
  - (2) Consult with 7SFG(A) and the SHPO to select an avoidance symbol to be used for signage.
  - (3) Consult with 7SFGA to select a suitable paint color to be used for avoidance.
  - (4) Consult with SHPO and 7SFG (A) to determine what permanent barriers can be used and how they should be installed so as to avoid affecting historic properties
  - (5) Provide 7SFG (A) with copies of the maps identifying all avoided sites and buildings, submitted in a form useful to 7SFG(A), and will periodically update these maps as needed. A copy of the maps and any updates will also be provided to the SHPO with a written description of the avoidance measures used for each historic property.
  - (6) Periodically brief appropriate 7SFG(A) staff on the importance of protecting cultural resources, the sensitivity of cultural resources data, and the need to limit access to this data.

## 2. Archaeological Data Recovery

All archaeological data recovery shall be conducted by a professional meeting the qualification standards in Stipulation V. The data recovery will be carried out following the Secretary of the Interior's Standard and Guidelines for Archaeology and Historic Preservation included herein by reference. Eglin AFB will ensure that archaeological data recovery is conducted in the following manner.

- (a) A data recovery plan shall be prepared. At a minimum, the data recovery plan shall include:
  - (1) A description of the proposed action that will adversely affect archaeological sites
  - (2) A description of each archaeological site and how each may be affected by the proposed action
  - (3) A set of research questions and objectives
  - (4) A description of methods to be used in collecting the data needed to address the research questions
  - (5) A description of analytical techniques to be used in addressing the research questions
  - (6) A description of the nature of materials and features expected to be revealed, materials expected to be collected, and all other materials to be generated including reports and associated media.
- (b) Eglin AFB shall submit the data recovery plan to SHPO for 30 day review. If the archaeological site is prehistoric, Eglin AFB shall also submit the data recovery plan to the tribes for 30 day review. The tribal review will be concurrent with the SHPO review.
- (c) If the SHPO or one or more of the tribes, as applicable, does not respond within 30 days of submittal, Eglin AFB shall assume that party has no objection to the proposed data recovery. Eglin AFB, in completing the data recovery plan, will take into account any comments it does receive from the SHPO or the tribes within the 30-day review period.
- (d) Once Eglin AFB has completed the data recovery plan, it shall ensure that the data recovery is conducted in accordance with the plan.
- (e) All archaeological data recovery shall be reported within 12 months of the end of field work. Eglin AFB shall ensure that a draft of the report is prepared and will submit the draft to SHPO and the tribes, as applicable, for 30 day review. Any comments received by Eglin AFB from SHPO or any of the tribes, as applicable,

within the review period shall be considered in completing the report. Eglin AFB shall provide the SHPO and the tribes with two copies of any final report.

### 3. Architectural Treatment

All architectural treatment shall be conducted by a professional who meets the qualification standards in Stipulation V. The architectural treatment will be carried out following the Secretary of the Interior's Guidelines for Architectural and Engineering Documentation (HABS/HAER Level II) included herein by reference. Eglin AFB will ensure that architectural treatment is conducted in the following manner.

- (a) A treatment plan, including a scope of work, will be prepared describing in detail the proposed treatment. The treatment plan shall at a minimum include
  - (1) A description of the proposed action that will adversely affect historic buildings or structures
  - (2) A description of each building or structure and how each may be affected by the proposed action
  - (3) A set of research questions and recording objectives
  - (4) A description of methods to be used in collecting data needed to achieve the research questions and recording objectives
- (b) Eglin AFB shall submit the treatment plan to SHPO for 30 day review.
- (c) If the SHPO does not respond within 30 days of submittal, Eglin AFB shall assume the SHPO has no objection to the proposed treatment plan. Eglin AFB, in completing the treatment plan, will take into account any comments it does receive from the SHPO within the 30-day review period.
- (d) Once the treatment plan is completed, Eglin AFB shall ensure that the treatment is conducted in accordance with the plan.
- (e) All architectural treatment shall be reported within 12 months of the end of field work. Eglin AFB shall ensure that a draft treatment report is prepared and will submit the draft to SHPO for 30 day review. Any comments received by Eglin AFB from SHPO within the review period shall be considered in completing the report. Eglin AFB shall provide the SHPO with two copies of any final report.

### 4. Alternative Mitigation

If Eglin AFB determines that resolution of adverse effects can best be achieved through means other than archaeological data recovery or architectural treatment, as presented in Stipulation III.E.2 and III.E.3 above, it may adopt an alternative mitigation strategy on a

case-by-case basis as presented below. All alternative mitigation shall be conducted by a professional meeting the qualification standards in Stipulation V.

- (a) If the alternative mitigation will apply to historic buildings and structures or historic archaeological sites, Eglin AFB will submit a mitigation plan to the SHPO for 30 day review. Eglin AFB shall take into consideration any comments it receives from the SHPO during the 30 day review period. If the SHPO does not respond within the 30-day review period, Eglin AFB shall assume the SHPO has no objection to the alternative mitigation.
- (b) If the alternative mitigation will apply to prehistoric archaeological sites, or historic archaeological sites with a prehistoric component, Eglin AFB will submit a mitigation plan to the SHPO and the tribes for 30 day review. Tribal review will be concurrent with SHPO review. Eglin AFB shall take into consideration any comments it receives from the SHPO or any one of the tribes during the 30 day review period. If the SHPO, or one or more of the tribes, do not respond within the 30-day review period, Eglin AFB shall assume that party has no objection to the alternative mitigation.
- (c) All alternative mitigation shall be reported within 12 months of the end of field work. Eglin AFB shall ensure that a draft of the report is prepared and will submit the draft to SHPO and the tribes, as applicable, for 30 day review. Any comments received by Eglin AFB from SHPO or any of the tribes, as applicable, within the review period shall be considered in completing the report. Eglin AFB shall provide the SHPO and the tribes each with two copies of any final report.

#### **IV. Joint Strike Fighter**

A. The APE for the JSF component is shown on the map in Appendix D and consists of the following elements

1. The Cantonment area
2. Air Fields: Eglin Field, Choctaw Field, Duke Field
3. Bombing ranges (B-75, B-82, C-52E, C-62)

B. Identification and Eligibility

Eglin AFB, in consultation with the SHPO, has determined that historic properties are present within the JSF portion of the APE. The results of identification and NRHP determinations are summarized below.

1. Cantonment

- (a) One cultural resources survey has been conducted within the 230-acre APE for the JSF Cantonment. No archaeological sites have been recorded. Much of the Cantonment area is heavily disturbed due to intensive development. Eglin AFB, in

consultation with the SHPO, has determined that no additional archaeological survey is warranted and no survey will be conducted within the JSF Cantonment area for the BRAC undertaking.

- (b) The JSF Cantonment contains one NRHP eligible historic district. The Strategic Air Command (SAC) Historic District, as defined, contains three separate areas consisting of: (1) A “Christmas tree” alert apron; (2) an alert support area that housed squadron operations and intelligence; and, (3) a weapons storage area for the Hound Dog nuclear cruise missile and the Quail decoy missile. The SAC Alert Historic District consists of 20 buildings and structures and two small parking aprons (See map of historic district and a list of buildings and structures, Appendix E). Of these properties, 18 contribute to the NRHP eligibility of the district (contributing) and four do not contribute to its eligibility (noncontributing).

## 2. Aerial Bombing Ranges

- (a) JSF fighter training will use four existing bombing ranges (Test Areas B-75, C-62, C52E and B-82). Inventory of all intact and safely accessible portions of Test Areas B-82, B-75 and C-62 are complete. Those areas of these ranges that are heavily disturbed or contain unexploded ordnance have not been surveyed for cultural resources. Test Area C-62 has nine archaeological sites, seven of which Eglin AFB has determined, in consultation with SHPO, are not NRHP eligible. Two archaeological sites are potentially eligible for NRHP listing. Test Area C-52E has 25 recorded archaeological sites within it. Eglin AFB has determined, in consultation with SHPO, that 21 of these sites are not NRHP eligible, three are potentially eligible for listing and one is NRHP eligible (List of NRHP eligible and potentially eligible archaeological sites by bombing range, Appendix F).
- (b) Additional survey is needed to complete the identification phase for the JSF bombing ranges in Test Areas C-52E. Eglin AFB shall ensure that all surveys are conducted by a professional meeting the qualification standards in Stipulation V. The surveys will be carried out following the Secretary of the Interior’s Standards and Guideline for Archaeology and Historic Preservation, included herein by reference.
- (c) Eglin AFB shall submit survey reports to SHPO for review and shall determine NRHP eligibility of any reported archaeological sites or historic buildings or structures following the procedures for NRHP eligibility determinations in Stipulation III.C above.

## 3. Air Fields: Eglin Field, Choctaw Field, Duke Field.

- (a) The Air Force will select one of two alternative plans for air field use involving three existing air fields at Eglin AFB: Eglin Field, Choctaw Field and Duke Field. The potential for adverse effect is the same for both alternatives. There are no historic buildings or structures at either Choctaw Field or Duke Field and no effects will occur at these air fields as part of the BRAC undertaking. In addition to the SAC Alert

Historic District, there are three historic districts within Eglin Field. These are the Eglin Field Historic District with 20 contributing properties, the Warehouse Historic District with four contributing properties, and the Marine Operations Historic District with three contributing properties. A fifth historic district, Camp Pinchot Historic District, with 20 contributing properties, is located outside of and separate from Eglin Field (See map of historic districts in relation to Eglin Field Appendix G)

- (b) There are 27 individually eligible historic buildings and structures within the Eglin Field area that are located within both JSF flight training alternatives (See map and list of individually eligible historic properties within Eglin Field Appendix H).

#### C. Assessment of Effects

The JSF component of the BRAC undertaking will involve demolition, renovation and construction within and adjacent to the SAC Alert Historic District; ground disturbance related to the operational use of the JSF bombing ranges containing NRHP eligible archaeological sites; and potential effects of aircraft noise on historic districts and individually eligible historic buildings and structures within Eglin Field. As such, the characteristics that make multiple historic properties eligible for listing on the NRHP will be altered in ways that diminish their integrity.

##### 1. Cantonment

- (a) Five historic buildings within the SAC Alert Historic District will be demolished: Buildings 1339, 1343, 1345, 1352, and 1353 in Area 2. Demolition of these buildings will adversely affect integrity of design, setting, materials, workmanship and possibly feeling and association.
- (b) Buildings 1315, 1321, 1326, 1328, 1344, in Area 2 will be renovated as part of the proposed development; however, these renovations will be limited to the buildings' interiors and will not adversely affect their character defining features. Therefore, these buildings will not be subject to treatment.
- (c) The undertaking will result in new construction on undeveloped land adjacent to Area 2 and on developed land within, Area 2 of the SAC Alert Historic District. There are no known archaeological sites within the Cantonment APE. Should archaeological deposits be discovered during construction, however, Eglin AFB will follow the provisions for unexpected discoveries in Stipulation VI.

##### 2. Aerial Bombing Ranges

The use of air-to-ground ordinance will result in ground disturbance in areas that are known to contain NRHP eligible or potentially eligible archaeological sites. These actions will adversely affect the integrity of location and materials.

### 3. Air Fields

- (a) Flight training will result in over-flights of NRHP eligible historic districts and individually eligible buildings and structures in proximity to Eglin Field. Current noise levels at Eglin Field range from 65 to 85 decibels. Aircraft noise in excess of 85 decibels is expected as a result of the BRAC undertaking affecting a larger area within Eglin Field than at present (see map of historic districts and individually eligible buildings at Eglin Field in relation to the projected noise contour zones in Appendix I).
- (b) If increased aircraft noise will result in the abandonment of a building or structure that is either a contributing property to a historic district or is individually eligible, and use of the building is no longer viable thereby threatening loss of its physical integrity, then the undertaking will have an adverse effect.

#### D. Resolution of Adverse Effects

Eglin AFB shall resolve the adverse effects of the BRAC undertaking on the JSF component following the procedures presented below.

##### 1. Cantonment

- (a) Eglin AFB will resolve the anticipated adverse effects of demolition on buildings 1339, 1343, 1345, 1352, and 1353 in the following manner.
  - (1) Update SHPO-approved site forms for each structure in all three areas of the SAC Alert Historic District.
  - (2) Complete a SHPO-approved Resource Group Form for the district as a whole.
  - (3) Digitally photograph in color all elevations of each building planned for demolition using a digital camera of 5 megapixels or greater resolution. All photographs will meet the Florida Master Site File photographic documentation requirements issued by the SHPO.
  - (4) Compile an electronic copy of the floor plans for each building planned for demolition to be stored on a CD or other suitable archival quality media.
  - (5) Prepare a technical report containing the results of tasks 1-4, as well as a comprehensive history of the SAC Alert program and Eglin's role in the SAC mission.
  - (6) Prepare an educational booklet designed for the general public summarizing the history of the SAC Alert program and Eglin's role in the SAC mission

- (b) As stipulated in Section 8.C. of the 2003 PA, Eglin AFB will, prior to the approval of demolition and in consultation with SHPO, identify and where appropriate salvage any character-defining historic interior or exterior features of the buildings to be demolished, when such salvage is reasonable, feasible and prudent.
- (c) Once tasks (1) through (3), as described in Stipulation IV.D.1.(a) above, have been completed, Eglin AFB may proceed with the development, as needed. Tasks (4) through (6) shall be completed within 12 months of completing Tasks (1) through (3).
- (d) All treatment shall be carried out by a professional meeting the qualification standards in Stipulation V.
- (e) Draft copies of all reports and other documentation prepared pursuant to Stipulation IV.D.1 (a) above will be submitted to SHPO for a 30-day review. If the SHPO does not respond within 30 days, Eglin AFB will assume the SHPO has no objection to the documents as drafted. In completing the draft documents, Eglin AFB will take into account any comments it receives from the SHPO within the 30-day review period. Final copies of all materials will be submitted to the SHPO and the Florida State Archives. Eglin AFB will make available to the public copies of the final report and the educational booklet upon request

## 2. Bombing Ranges

- (a) All archaeological sites that are either determined NRHP eligible or are potentially eligible to the NRHP shall, whenever possible, be avoided and preserved in place following the avoidance procedures in Stipulation III.E.1 (a) through (c).
- (b) To ensure that avoidance is achieved in a consistent and coordinated manner, Eglin AFB shall consult with JSF to determine which of the avoidance measures identified in Stipulation III.E.1 are best utilized to achieve avoidance. If some other measure better achieves avoidance for the purpose of JSF use of the bombing ranges, then Eglin AFB, in consultation with SHPO, shall utilize that measure. Eglin AFB shall provide JSF with copies of the maps identifying all avoided sites and buildings, submitted in a form useful to JSF, and will periodically update these maps as needed. A copy of the maps and any updates will also be provided to the SHPO with a description of the avoidance measures used for each historic property. Periodically, Eglin AFB shall brief appropriate JSF staff on the importance of protecting cultural resources, the sensitivity of cultural resources data, and the need to limit access to this data.
- (c) If avoidance is not possible or desirable, Eglin AFB will, as needed, make a determination of NRHP eligibility in accordance with Stipulation III.C. Any NRHP eligible archaeological site or historic building or structure identified within the bombing ranges that cannot be protected through avoidance will be adversely affected by the undertaking. Eglin AFB shall coordinate with JSF and follow the procedures in Stipulation III.E.2 through III.E.4, as applicable, to resolve the adverse effects

### 3. Air Fields

If, as a result of increased aircraft noise, Eglin AFB proposes to abandon buildings or structures that either contribute to the NRHP eligibility of the SAC Alert Historic District, the Eglin Field Historic District, the Warehouse Historic District, or the Marine Operations Historic District, or any one of the individually eligible historic buildings or structures, then prior to abandonment, Eglin AFB shall consult with SHPO regarding treatment of adverse effect and may enter into a Memorandum of Agreement for that purpose.

### **V. Qualifications**

Eglin AFB shall ensure that all investigations performed in compliance with the terms of this PA shall be conducted by, or under the supervision of, a person who meets the Secretary of the Interior's Standards and Guidelines for professional qualifications in history, architecture, architectural history, historic architecture or archaeology, as applicable, described in the Federal Register: June 20, 1997 (Volume 62, Number 119, pages 33707-33723).

### **VI. Unanticipated Discoveries**

- A. If a previously unknown archaeological site is discovered during the undertaking, or an unanticipated effect to a known archaeological site, historic building or structure is discovered during the undertaking, then Eglin AFB shall resolve the discovery in the following manner.
1. All disturbance of buildings, structures or ground surfaces, as applicable, in the vicinity of the discovery shall cease and the discovery location will be secured from further harm.
  2. A qualified professional, meeting the qualification standards of Stipulation V, shall record the discovery and evaluate its nature, extent, condition, and NRHP eligibility.
  3. Eglin AFB shall consult with SHPO on the eligibility of the discovery and the potential effect of continued development within two working days of the discovery.
  4. If, in consultation with SHPO, the Eglin AFB determines that the discovery is NRHP eligible and that treatment is warranted, Eglin AFB shall conduct treatment following the Secretary of the Interior's Standards and Guidelines for Archaeology and Historic Preservation. All treatment will be completed within seven working days of the discovery.

### **VII. Human Remains**

- A. If human remains and associated funerary objects are discovered during the undertaking, Eglin AFB shall resolve the discovery in the following manner.

1. All ground disturbing activity in the vicinity of the discovery shall cease and the discovery location will be secured from further harm until resolved.
2. A professional, meeting the qualification standards of Stipulation V, records the discovery and evaluate its nature, extent, and condition.
3. If Eglin AFB determines the human remains are Native American, it shall consult with appropriate tribe or tribes in accordance with 43 CFR Part 10, the regulations implementing the Native American Graves Protection and Repatriation Act (NAGPRA) (25 U.S.C. 3001 et seq.).
4. If Eglin AFB determines the human remains are not Native American, or the identity of the human remains is undetermined, Eglin AFB will consult with SHPO and the Florida State Archaeologist pursuant to either 36 CFR Part 800 or the Florida Unmarked Burial Law Chapter 872, Florida Statutes, as applicable, to resolve the discovery. If subsequently, the remains are identified as Native American, Eglin AFB will consult with the tribes pursuant to NAGPRA.

#### **VIII. Emergencies**

In the event of an emergency declared by the President of the United States or the Governor of the State of Florida, pursuant to 36 CFR Part 800.12, the following emergency actions are exempted from further consideration under this PA.

- A. Protection of the human health and/or the environment from damage of harm by hydrocarbon or hazardous waste.
- B. Prevention of imminent damage resulting from the threat of hurricane, tornado or other natural disasters.
- C. Stabilization necessitated by the threat of imminent structural failure (e.g. repair of replacement of building footings)
- D. Actions waived from the usual procedures of Section 106 compliance, pursuant to 36 CFR 800.12 (d).

#### **IX. Dispute Resolution**

Should any of the signatories object within 30 days to any action implementing this agreement, Eglin AFB will consult with the objecting party to resolve the objection. If Eglin AFB determines that the disagreement cannot be resolved, Eglin AFB will request further comment from the ACHP in accordance with the applicable provisions of 36 CFR Part 800.7. Eglin AFB will, in accordance with 36 CFR Part 800.7 (c) (4), take any ACHP comment into account with reference only to the subject of the dispute. Eglin AFB's responsibility to carry out all actions under this agreement that is not the subject of the dispute will remain unchanged.

**X. Amendments**

Any signatory to this agreement may request that the agreement be amended, whereupon the other parties will consult to consider such amendment. Where there is no consensus among the signatories, the agreement will remain unchanged.

**XI. Termination**

Any signatory to this agreement may revoke it upon written notification to the other parties by providing thirty (30) days notice to the other parties, provided that the parties will consult during the period prior to termination to seek agreement on amendments or other actions that would avoid termination. In the event of termination, Eglin AFB will comply with 36 CFR Parts 800.3 through 800.6 with regard to individual aspects of the undertaking covered by this agreement.

**XII. Biennial Review**

Every two years following the execution of this PA, for as long as the PA is in effect, Eglin AFB will meet with the 7SFG(A), JSF, the SHPO and the tribes to evaluate the effectiveness of the PA. At that time, the parties will discuss whether or not the PA is functioning as intended and whether the PA needs to be amended in accordance with Stipulation X to correct and improve its effectiveness.

**XIII. Renewal**

Every 10 years following the execution of this PA, for as long as the PA is in effect, or unless and until this PA is superseded by another agreement, Eglin AFB will consult with the signatory parties to consider renewal of the PA for another ten year period. The PA will be renewed in its existing form as of the date of the renewal, renewed with amendments or terminated. Renewal shall be indicated by the signatures of all the signatory parties to a new set of signature pages, which Eglin AFB will add to the PA. The old signatures will be left in place. Eglin AFB shall distribute a new copy of the PA with the added signatures to all the signatory parties for their records.

**XIV. Execution**

Execution and implementation of this agreement evidences that Eglin AFB has satisfied its responsibilities under Section 106 of the NHPA for the Base Realignment and Closure undertaking at Eglin AFB.

EGLIN AIR FORCE BASE

By: \_\_\_\_\_ Date: \_\_\_\_\_

SEVENTH SPECIAL FORCES GROUP (AIRBORNE)

By: \_\_\_\_\_ Date: \_\_\_\_\_

JOINT STRIKE FIGHTER PROGRAM

By: \_\_\_\_\_ Date: \_\_\_\_\_

FLORIDA STATE HISTORIC PRESERVATION OFFICER

By: \_\_\_\_\_ Date: \_\_\_\_\_

Concurring Parties:

MICCOSUKEE TRIBE OF INDIANS OF FLORIDA

By: \_\_\_\_\_ Date: \_\_\_\_\_

THE SEMINOLE TRIBE OF FLORIDA

By: \_\_\_\_\_ Date: \_\_\_\_\_

POARCH BAND OF CREEK INDIANS OF ALABAMA

By: \_\_\_\_\_ Date: \_\_\_\_\_

MUSKOGEE (CREEK) NATION OF OKLAHOMA

By: \_\_\_\_\_ Date: \_\_\_\_\_

SAC MEMORIAL PROJECT

By: \_\_\_\_\_ Date: \_\_\_\_\_

References

Eglin Air Force Base

2003 “Programmatic Agreement Between the Air Armament Center, Eglin Air Force Base, the Advisory Council on Historic Preservation and The Florida State Historic Preservation Officer Regarding the Preservation and Protection of Historic and Archaeological Resources Located at Eglin Air Force Base, Florida,” executed February 14, 2003. Document on file at Eglin Air Force Base, Florida.

Eglin Air Force Base

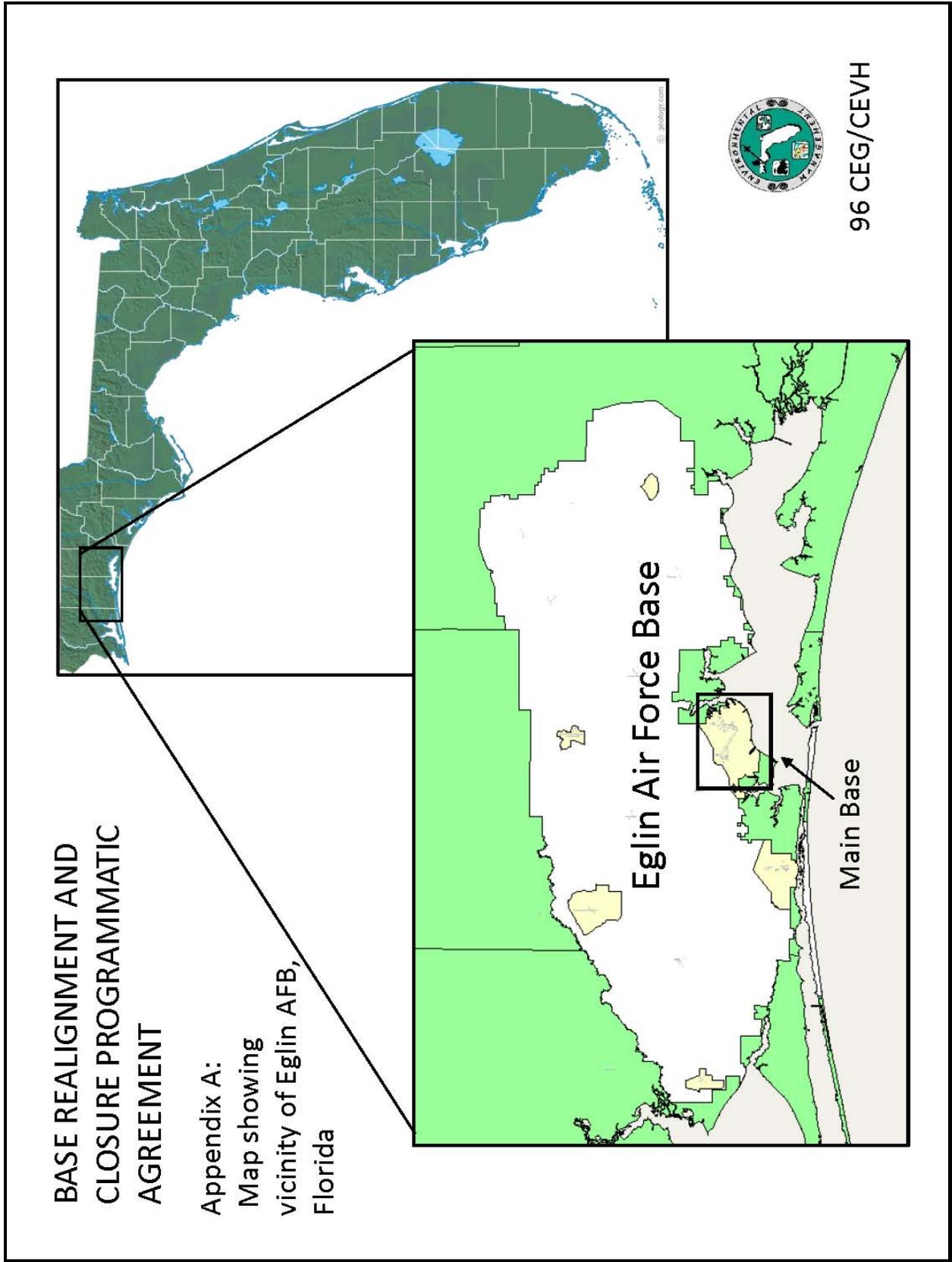
2006 “Eglin Air Force Base Integrated Cultural Resources Management Plan Implementation, Eglin AFB, Okaloosa, Santa Rosa and Walton Counties, Florida.” Manuscript on file at Eglin Air Force Base, Florida. Final, February, 2006.

Thomas, Prentice M. Jr., and L. Janice Campbell (editors)

1993 “Eglin Air Force Base Historic Preservation Plan: Technical Synthesis of Cultural Resources Investigations at Eglin, Santa Rosa, Okaloosa and Walton Counties, Florida,” New World Research, Inc., Report of Investigations 192. Report on file at Eglin Air Force Base, Florida.

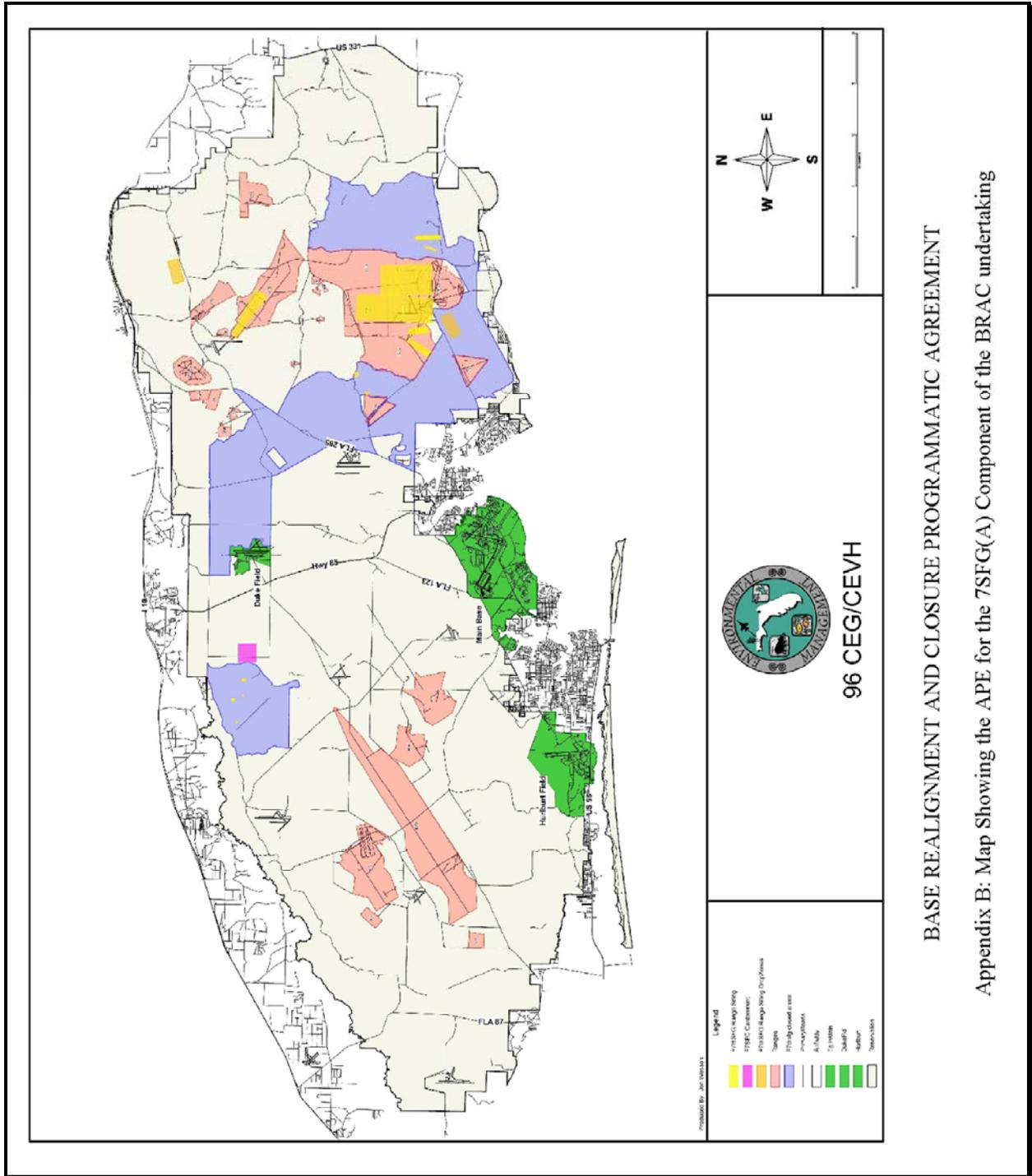
Appendices

- A: Map showing vicinity of Eglin AFB, Florida
- B: Map showing the APE for the 7SFG(A) component of the BRAC undertaking
- C: List of archaeological sites and buildings located within the 7SFG (A) APE that have been determined to be NRHP eligible or potentially eligible
- D: Map showing the APE for the JSF component of the BRAC undertaking
- E: Map of SAC Alert Historic District and list of contributing buildings and structures
- F: List of archaeological sites located within the JSF bombing ranges that have been determined to be NRHP eligible or potentially eligible.
- G: Map of historic districts in relation to Eglin Field
- H: Map and list of historic properties within Eglin Field that are individually NRHP eligible
- I: Map of historic districts and individually eligible historic properties at Eglin Field in relation to projected decibel contour zones



**BASE REALIGNMENT AND  
CLOSURE PROGRAMMATIC  
AGREEMENT**

Appendix A:  
Map showing  
vicinity of Eglin AFB,  
Florida



**BASE REALIGNMENT AND CLOSURE PROGRAMMATIC AGREEMENT**

**Appendix C: List of Archaeological Sites and Buildings Located Within the 7SFG(A) APE That Have Been Determined to be NRHP Eligible or Potentially Eligible**

**Sites in 7SFG(A) Closed Area: 40 potential arch sites, 2 eligible arch sites, and 2 potentially eligible buildings**

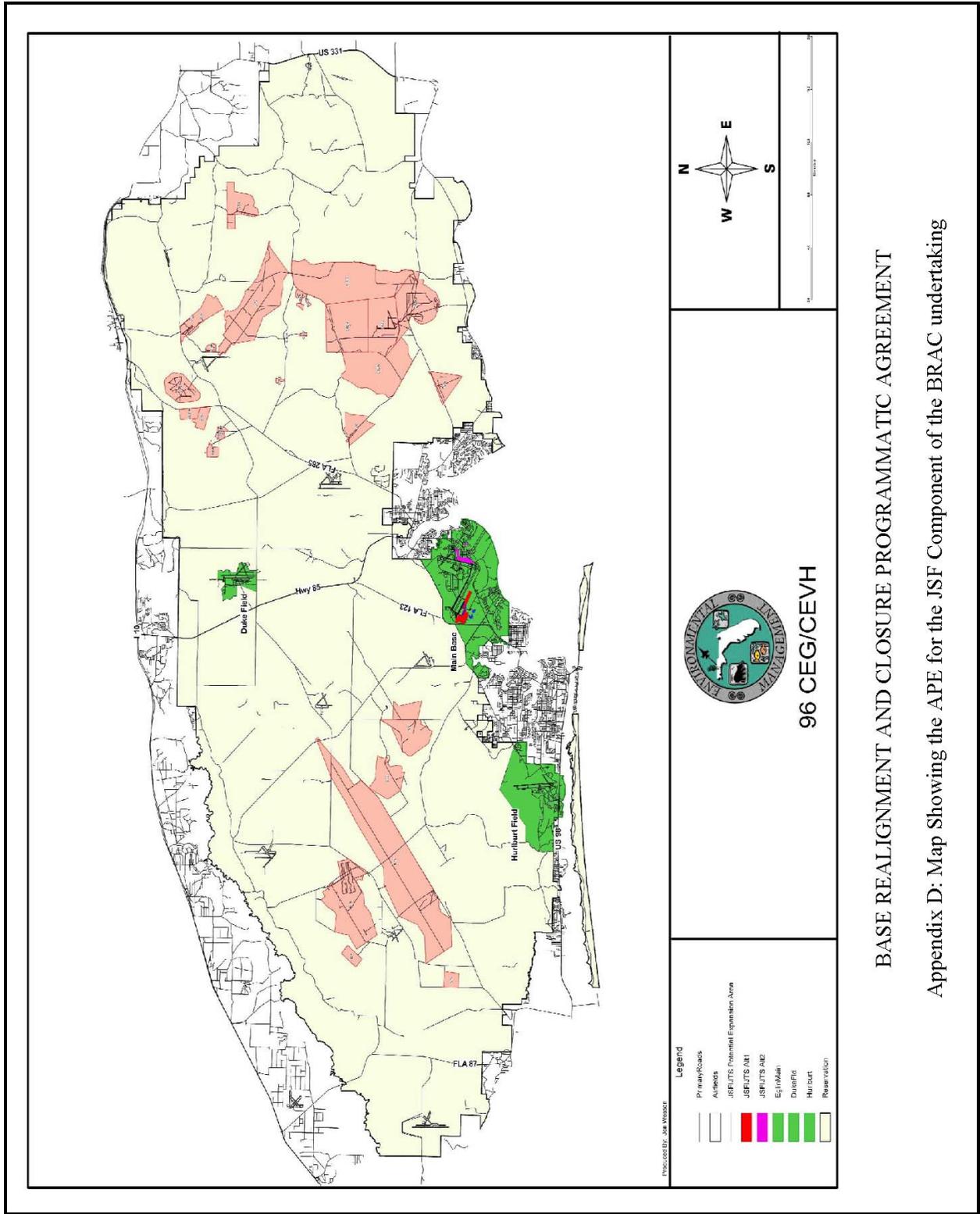
Site ID	Survey Area	Class	Type	Status
8OK00900	X-336	Historic	This site represents an early 20th century turpentine still site.	Potential
8OK00149	X-367	Prehistoric/Historic	Along with the historic component, including turpentine community structures and associated features, a single prehistoric flake of indeterminate age was recovered in Test Unit 4.	Potential
8WL01395	X-378W	Prehistoric/Historic	Artifact scatters	Potential
8WL01416	X-378W	Prehistoric	Artifact scatters	Potential
8OK01220	X-401	Prehistoric/Historic	Prehistoric and Historic scatters	Potential
8OK01221	X-401	Historic	Early 20th century homestead of William A. Carr Sr. and family	Potential
8OK00402	X-404	Prehistoric		Eligible
8OK01226	X-405	Prehistoric	Deptford and Santa Rosa Swift Creek components	Potential
8WL01681	X-433	Historic	Historic scatter	Potential
8WL01486	X-453	Historic	Possible naval stores side camp	Potential
8WL00196	X-472	Prehistoric	Prehistoric site	Potential
8WL01803	X-472	Prehistoric	Deptford, Santa Rosa-Swift Creek, Weeden Island	Potential
8WL01516	X-474	Historic		Potential
8WL00191	X-494	Prehistoric	Probably contains Weeden Island and earlier components	Eligible
8WL01546	X-495	Prehistoric		Potential
8WL01659	X-505	Prehistoric		Potential
8WL01661	X-516	Historic		Potential
8WL01753	X-556	Prehistoric	Possibly a small village	Potential
8OK01698	X-562	Historic		Potential
8OK01818	X-596	Prehistoric		Potential
8OK02127	X-667	Historic	Late 19th to early 20th century homestead of Charles H. Collum	Potential
8OK02133	X-668	Historic	Late 19th to early 20th century	Potential
8WL01991	X-711	Prehistoric	Weeden Island, Santa Rosa, Swift Creek	Potential
8WL02011	X-711	Prehistoric/Historic		Potential
8WL02017	X-713	Prehistoric	Weeden Island	Potential
8WL02016	X-715	Prehistoric/Historic	Weeden Island and 20th century homestead.	Potential
8OK02483	X-821	Historic	Early to middle 20th century	Potential
8OK02485	X-824	Prehistoric	Weeden Island, Fort Walton, Pensacola	Potential
8WL02178	X-870	Prehistoric		Potential
8OK02591	X-882	Historic		Potential
8OK00433	X-885	Prehistoric		Potential
8OK00434	X-885	Prehistoric		Potential
8OK00435	X-885	Prehistoric		Potential
8OK02621	X-885	Prehistoric		Potential
8OK02622	X-885	Prehistoric		Potential
8WL00305	X-916	Prehistoric/Historic	Indeterminate prehistoric lithic scatter and historic homestead of John Sanders	Potential
8OK00256	X-930	Prehistoric		Potential
8OK00255	X-942	Prehistoric		Potential
8OK02635	X-945	Prehistoric		Potential
8WL02253	X-951	Prehistoric	Gulf Formational Elliotts Point	Potential
8OK02637	X-963	Prehistoric	Prehistoric indeterminate lithic scatter possible Paleoindian or Archaic with Woodland ceramic	Potential
8OK02639	X-963	Prehistoric	Prehistoric indeterminate lithic scatter	Potential
8OK02572	MS-1	Structure	Emergency Landing Strip - Contributing member of a recommended Range 53 district. Significant under Criterion A for the testing of air-to-ground rockets such as the 5-inch HVAR and the 2.75-inch FFAR.	Eligible
8OK02546	MS-2	Structure	Moving Target - Contributing member of a recommended Range 53 District, as well as individually eligible under Criterion C because it is one of only two moving targets built at Eglin AFB in the 1950s	Eligible

**Sites in Group 2 Range Footprints: 11 potential arch sites and 4 potentially eligible buildings**

Site ID	Survey Area	Class	Type	Status
8WL02226	X-918			Potential
8WL02227	X-918			Potential
8WL02229	X-915	Historic	American 20th Century John W. Gladwell Homestead	Potential
8WL02231	X-912	Prehistoric	Weeden Island site	Potential
8WL02232	X-912	Prehistoric	Indeterminate lithic component with deep deposits, possibly indicative of early, pre-ceramic activity	Potential
8WL02233	X-912	Prehistoric	Archaic Wacissa point, a fiber-tempered sherd, and other lithics	Potential
8WL02246	X-914	Prehistoric	Gulf Formational, Santa Rosa, Swift Creek, Elliots Point, Weeden Island	Potential
8WL02248	X-914	Prehistoric		Potential
8WL02250	X-914	Prehistoric		Potential
8WL02251	X-914	Prehistoric		Potential
8WL02258	X-913	Prehistoric	Weeden Island site that may be a series of station camps or a hamlet; it contains a quantity of well-executed ceramics, and the lithic assemblage includes the unusual find of a blocky core	Potential
8WL02192	Bldg 9502	Building		Eligible
8WL02193	Bldg 9503	Building		Eligible
8WL01436	Bldg 9504	Building		Eligible
8WL01523	C-72 VT	Building		Eligible
8WL02315	Crossbow 15	Building	Contributing member of Operation Crossbow District: awaiting concurrence from SHPO	Potential
8WL02314	Crossbow 16	Building	Contributing member of Operation Crossbow District: awaiting concurrence from SHPO	Potential
	TT-05	Building	German Industrial Target: scheduled to be evaluated summer 2008	Potential

**Sites in Drop Zones: 1 potentially eligible arch site**

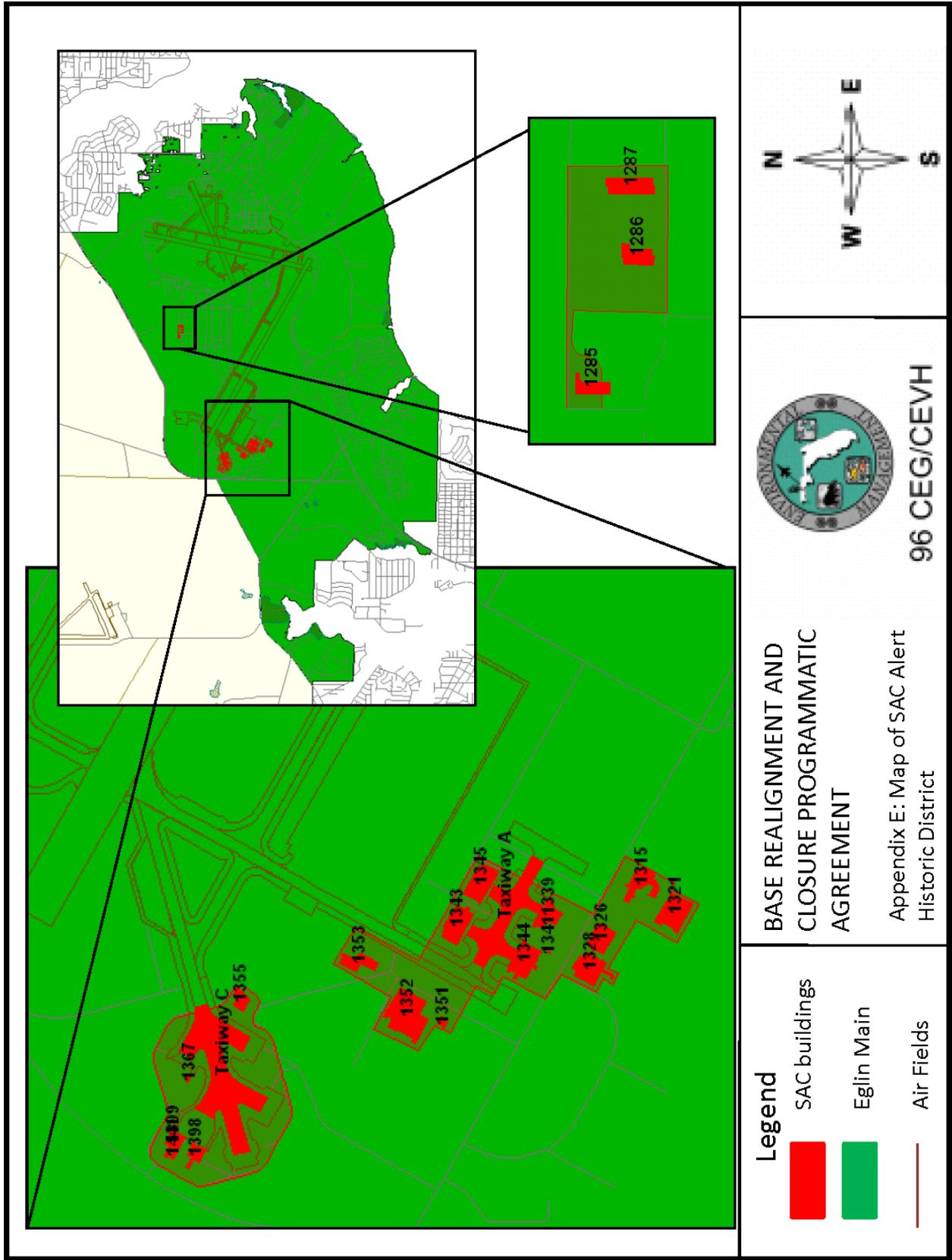
Site ID	Survey Area	Class	Type	Status
8WL02253	X-951	Prehistoric	Gulf Formational Elliots Point	Potential



**BASE REALIGNMENT AND CLOSURE PROGRAMMATIC AGREEMENT**

**Appendix E: List of Buildings and Structures at the SAC Alert Historic District**

Area	Property	Description	Eligibility	Effect
1	Building 1355	alert ready crew quarters (Molehole) 1958	Contributing	None
1	Building 1367	aircraft maintenance control office 1978	Non-contributing	
1	Building 1398	hush house: 1989	Non-contributing	
1	Building 1399	hush house: 1989	Non-contributing	
1	Building 1441	general purpose aircraft maintenance 1989	Non-contributing	
1	Taxiway C	five-stub Christmas Tree alert apron	Contributing	None
2	Building 1315	squadron operations and target intel 1958	Contributing	Renovation
2	Building 1321	supply and equipment warehouse 1959-1960	Contributing	Renovation
2	Building 1326	general purpose shop 1958	Contributing	Renovation
2	Building 1328	armament and electronics shop 1958	Contributing	Renovation
2	Building 1339	fuel systems nose dock 1961	Contributing	Demolition
2	Building 1341	oil and grease storage	Contributing	None
2	Building 1343	maintenance nose dock 1958	Contributing	Demolition
2	Building 1344	maintenance nose dock 1958	Contributing	Renovation
2	Building 1345	maintenance nose dock 1958	Contributing	Demolition
2	Building 1351	Quail run-up shop 1958	Contributing	None
2	Building 1352	Hound Dog/Quail service shop 1958	Contributing	Demolition
2	Building 1353	Hound Dog run-up shop 1958	Contributing	Demolition
2	Taxiway A	five-stub maintenance apron	Contributing	None
3	Building 1285	Hound Dog inspection and surveillance shop	Contributing	None
3	Building 1286	Hound Dog multi-cubicle magazine 1958	Contributing	None
3	Building 1287	Hound Dog multi-cubicle magazine 1958	Contributing	None



**BASE REALIGNMENT AND CLOSURE PROGRAMMATIC AGREEMENT**

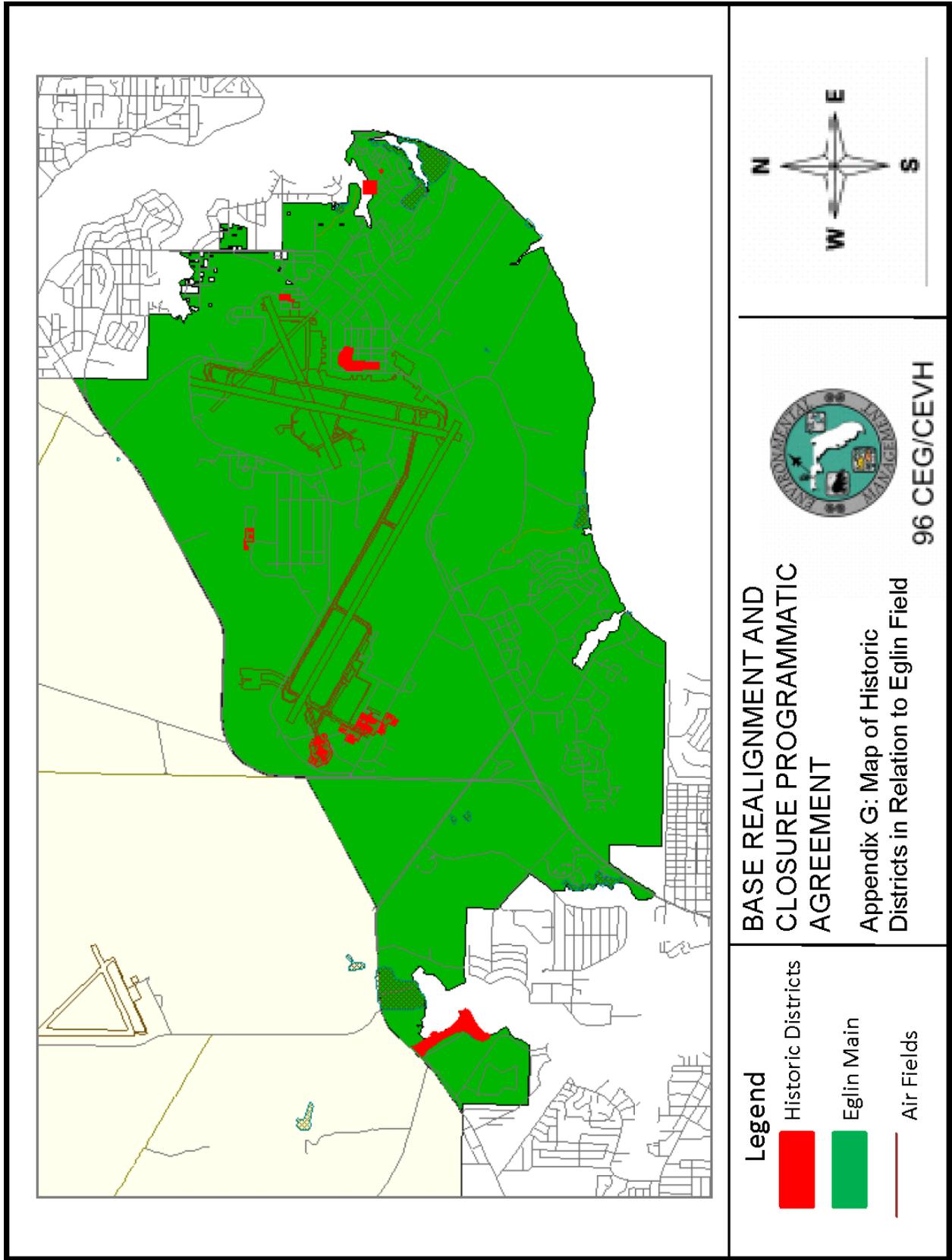
**Appendix F: List of Archaeological Sites Located Within the JSF Bombing Ranges That Have Been Determined to be NRHP Eligible or Potentially Eligible**

**Sites in Test Area C-62: Two potentially eligible arch sites**

Site ID	Survey Area	Class	Type	Status
8WL2025	X-617	prehistoric	Early to middle Archaic and Weeden Island	Potential
8WL2019	X-618	prehistoric	Late Archaic and Weeden Island	Potential

**Sites in Test Area C-52E: Three potentially eligible arch sites and one eligible site**

Site ID	Survey Area	Class	Type	Status
8WL2231	X-912	Prehistoric	Weeden Island site	Potential
8WL2232	X-912	Prehistoric	Indeterminate lithic component with deep deposits, possibly indicative of early, pre-ceramic activity	Potential
8WL2233	X-912	Prehistoric	Archaic Wacissa point, a fiber-tempered sherd, and other lithics	Potential
8WL1727	X-468	Prehistoric	Late Paleoindian, Early Archaic, Bolen, Kirk, Weeden Island	Eligible



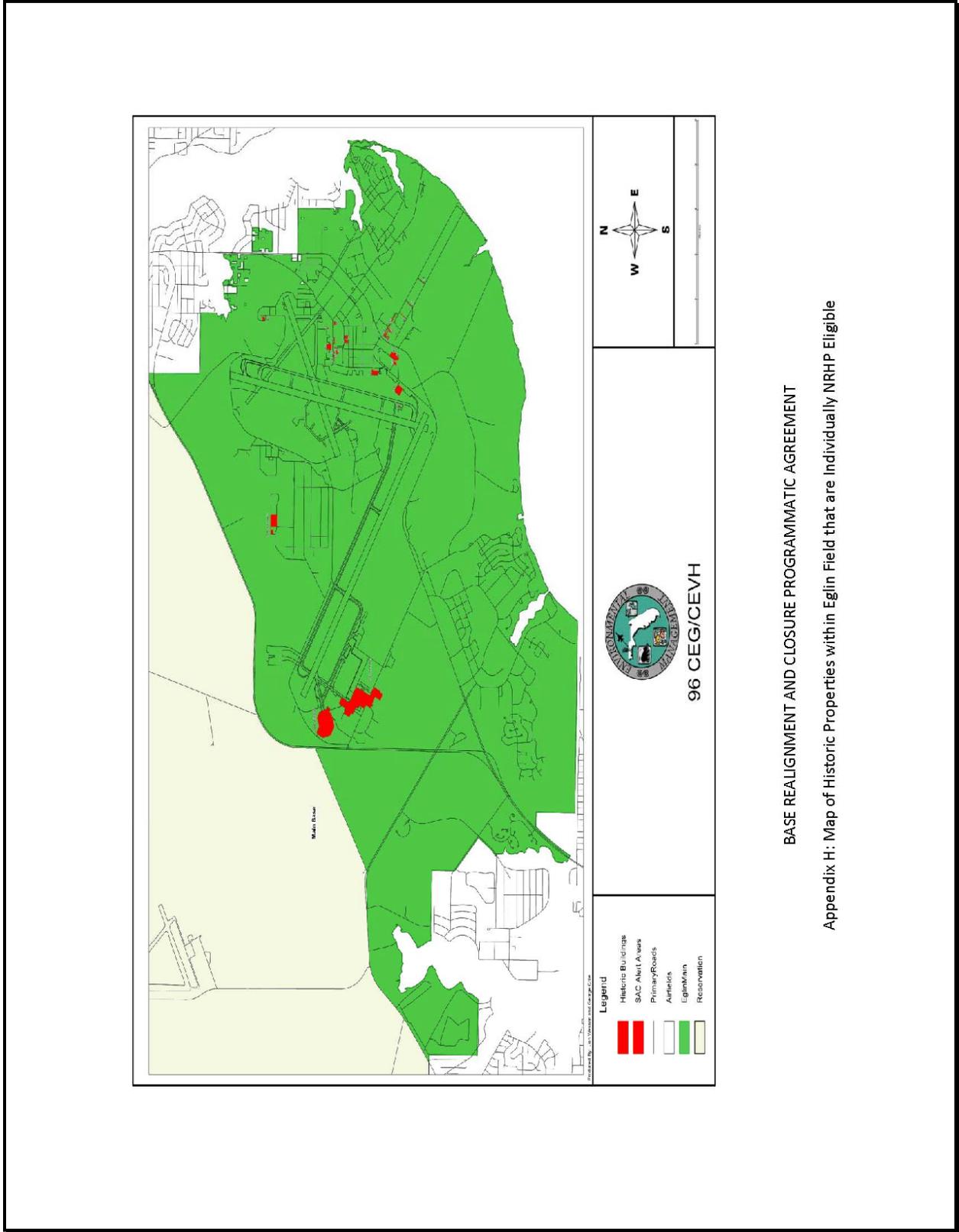
**BASE REALIGNMENT AND CLOSURE PROGRAMMATIC AGREEMENT**

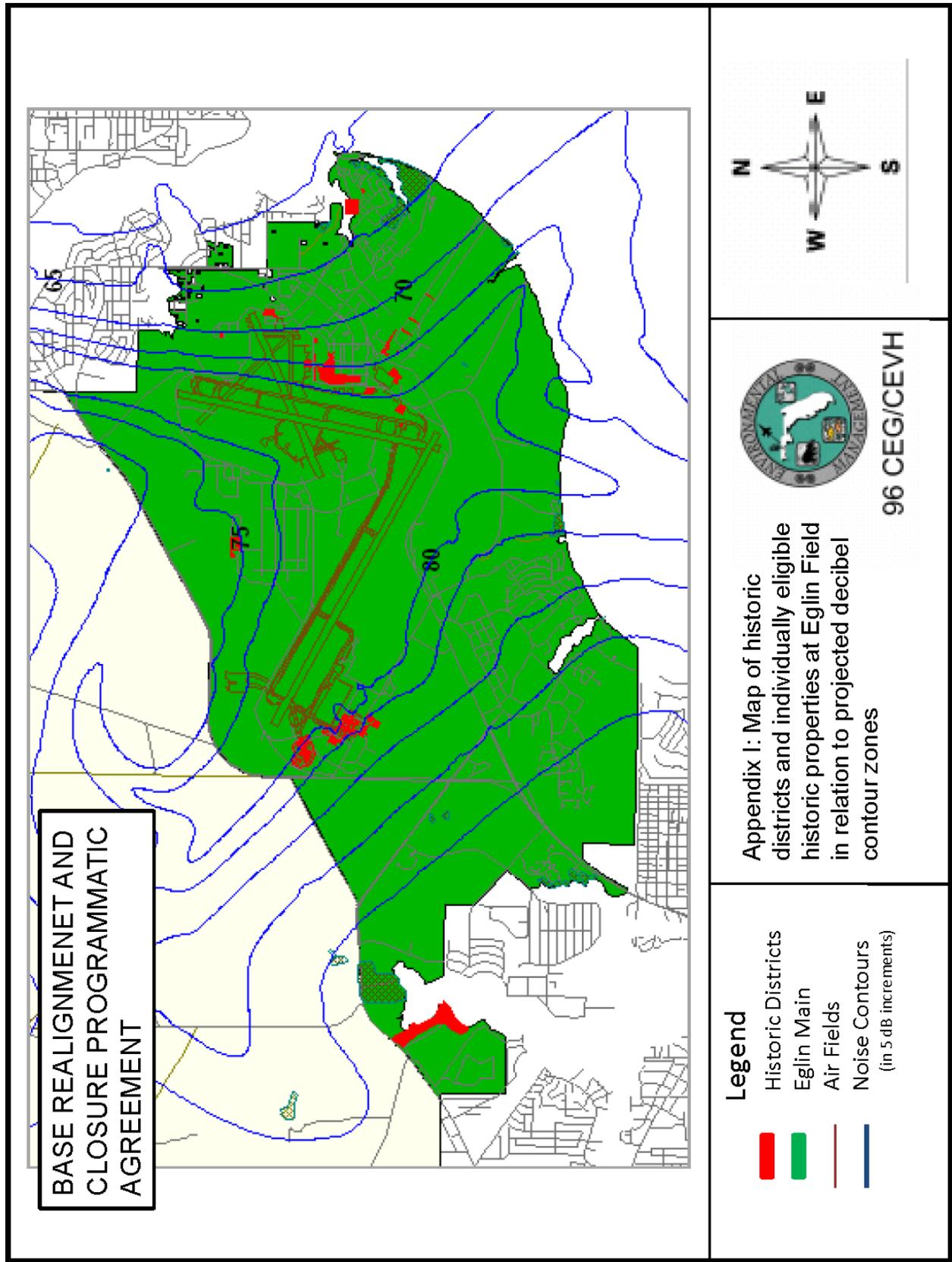
**Appendix H: List of historic properties within Eglin Field that are individually NRHP eligible**

Property	location	StatusCRM	narrative
8	Cantonment	Eligible	Building 8 was offices of the Air Corps Board responsible for establishing and communicating procedural guidelines for Eglin activities. Building is eligible on its own merit.
10	Cantonment	Eligible	Building 10 was offices of the Air Corps Board responsible for establishing and communicating procedural guidelines for Eglin activities.
33	Cantonment	Eligible	Building 33 retains integrity of location, setting, materials, feeling, and association. Alterations to 33 can be reversed. The building is eligible on its own merit.
34	Cantonment	Eligible	Building 34 retains integrity of location, setting, material, feeling, and association. The loss in the role of a flight simulator does not diminish the historical significance of the building. Building 34 is eligible for nomination to the NRHP.
35	Cantonment	Eligible	Building 35 retains integrity of location, setting, materials, design, feeling, and association. Building 35 reflects Eglin's role in WWII and is clearly significant.
36	Cantonment	Eligible	Building 36 retains integrity of location, setting, materials, design, feeling, and association. Building is significant under criteria A and C.
37	Cantonment	Eligible	Building 37 retains integrity of location, setting, materials, design, feeling, and association. Building 37 is eligible for nomination to the NRHP.
40	Cantonment	Eligible	Building 40 retains integrity of location, setting, materials, design, feeling, and association. Building 40 is eligible for nomination to the NRHP.
44	Cantonment	Eligible	Building 44 is eligible under Criteria A and C. Building 44 represents a unique type of design built to withstand enemy bombing and ground assaults. Building 44 was instrumental in the development of the Sperry and Norden gunsights.
68	Cantonment	Eligible	Hanger 68 is eligible for nomination to the NRHP. Hanger is moderately altered from its original design and is associated with significant historical events at Eglin under Criteria A.
73	Cantonment	Eligible	Building is eligible for the NRHP. Exterior structural integrity is excellent. Historic mission has not been completely defined but is significant. Building is an unusual example of specialized structure design.

Property	location	StatusCRM	narrative
110	Cantonment	Eligible	Building 110 is eligible for nomination to the NRHP. It was an integral part of the Eglin AFB contributions to WWII and Col War history. Building 110 was designed by internationally renowned architect Fred N. Severud and is distinctive in design and architecture as a maintenance facility for the B-36 aircraft.
123	Cantonment	Eligible	Building appears to meet the criteria for listing on the NRHP under criteria A for military significance and Criteria C for its rare architecture.
130	Cantonment	Eligible	Hanger has sustained minor alterations. Structure is eligible for nomination to the NRHP under Criteria A and C.
408	Cantonment	Eligible	Building has sustained minor alterations. Building 408 is eligible for nomination under criterion A and C and is recommended a contributing member to the recommended Range 22 District.
410	Cantonment	Eligible	Building is moderately altered and is ineligible for NRHP individually but a possible contributing member to a small armament Test recommended Range 22 District inclusive of buildings 408, 410, 412, 413, 414, 420, 421, 423, and 440.
412	Cantonment	Eligible	Building is eligible for listing on the NRHP under Criterion A and C on its own merit and eligible as a contributing member to the recommended Range 22 District.
413	Cantonment	Eligible	Building is eligible for listing on the NRHP under Criterion A and C on its own merit and eligible as a contributing member to the recommended Range 22 District.
414	Cantonment	Eligible	Building is eligible for listing on the NRHP under Criterion A and C on its own merit and eligible as a contributing member to the recommended Range 22 District.
417	Cantonment	Eligible	Building appears to be a contributing property to the recommended Range 22 Historic District due to its integral association with the sustained mission of the range.
420	Cantonment	Eligible	Structure is ineligible on its own merit but remains eligible as a contributing member to the recommended Range 22 District.
423	Cantonment	Eligible	Building appears to be a contributing property to the recommended Range 22 Historic District due to its integral association with the sustained mission.
430	Cantonment	National Register	Building is on the NRHP as a chamber of the McKinley Climatic Lab, Building 440.
440	Cantonment	National Register	Eligible under Criteria A the Lab is significant for its contribution to the Nation's warfighting capabilities during WWII and Cold War eras. Criteria C the Lab is significant for its advanced engineering design.

Property	location	StatusCRM	narrative
450	Cantonment	National Register	Criteria A the Lab is significant for its contribution to the Nation's warfighting capabilities during WWII and Cold War eras. Criteria C the Lab is significant for its advanced engineering design.
954	Cantonment	Eligible	Building appears to meet criteria for listing in the NRHP under Criterion A for military and Criterion C for architecture.
Hardstand 7	Cantonment	Eligible	Hardstand 7 is eligible for nomination to the NRHP under criteria A and C. Level 1 HABS/HAER should be sufficient for mitigation if the structure is threatened.





**ATTACHMENT 3 –  
EXISTING HISTORICAL AND ARCHAEOLOGICAL RESOURCES  
PROGRAMMATIC AGREEMENT**

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**PROGRAMMATIC AGREEMENT  
BETWEEN  
THE AIR ARMAMENT CENTER, EGLIN AIR FORCE BASE,  
THE ADVISORY COUNCIL ON HISTORIC PRESERVATION AND  
THE FLORIDA STATE HISTORIC PRESERVATION OFFICER**

**REGARDING THE PRESERVATION AND PROTECTION OF HISTORICAL AND  
ARCHAEOLOGICAL RESOURCES LOCATED AT EGLIN AIR FORCE BASE, FLORIDA**

**WHEREAS**, the Air Armament Center (AAC), Eglin Air Force Base, Florida, the Florida State Historic Preservation Officer (SHPO) and the Advisory Council on Historic Preservation (Council) acknowledge that maintenance, construction, demolition, alteration, and repair of facilities and properties within Eglin AFB have the potential to affect historic properties included, or eligible for inclusion, in the National Register of Historic Places (NRHP);

**WHEREAS**, Eglin AFB's Cultural Resources Management Plan (CRMP) will establish policies, responsibilities and procedures for the protection of historic and cultural resources within Eglin AFB and reflects the intent of the Department of Defense to provide conscientious stewardship of historic and cultural resources located on properties owned or controlled by the Department of Defense;

**WHEREAS**, the CRMP will be designed to provide a framework within which historic and cultural resources at Eglin AFB are managed in a manner consistent with federal law and the mission of Eglin AFB and its tenants;

**NOW, THEREFORE**, the parties agree that undertakings which have the potential to affect historic properties within Eglin AFB shall be carried out in accordance with the CRMP and the following stipulations, in order to satisfy the requirements of Section 106 of the National Historic Preservation Act, 16 U.S.C. 470(f), and the Council's implementing regulation, 36 CFR Part 800, Protection of Historic Properties.

**STIPULATIONS**

**1. PARTICIPANTS IN SECTION 106 PROCESS**

AAC will ensure participants identified in 36 CFR Part 800.2(c) are included in the Section 106 consultation process, as appropriate.

**2. STANDARDS AND GUIDELINES**

AAC will ensure that all undertakings affecting historic properties will conform to *The Secretary's Standards for the Treatment of Historic Properties* (36 CFR Part 68) and applicable guidelines (Standards and Guidelines), incorporated herein by reference.

**3. IMPLEMENTATION OF CRMP OBJECTIVES**

AAC will implement the CRMP in consultation with the appropriate participants identified in 36 CFR Part 800.2(c).

#### 4. IDENTIFICATION OF HISTORIC PROPERTIES AT EGLIN AFB

A. AAC will prepare a list of historic properties and a Historic Buildings Location Map of Eglin AFB within 60 days of the date of the execution of this Agreement and an Archaeological Sensitivity Map of Eglin AFB within 1 year of the date of execution of this Agreement:

(1) Historic Buildings Location Map. The Historic Buildings Location map will identify:

- a. Historic structures included in, or eligible for inclusion in, the NRHP; and
- b. Boundaries, or proposed boundaries of historic districts, which may be included in, or eligible for inclusion in, the NRHP.

(2) Archaeological Sensitivity Map. The Archaeological Sensitivity Map will identify:

- a. Known archaeological sites included in, or eligible for inclusion in, the NRHP;
- b. Areas in which currently unknown archaeological sites may be located which may be eligible for inclusion in the NRHP.

The location of all archaeological sites will remain confidential pursuant to 36 CFR 800.11(c).

B. The list and maps will be reviewed and updated annually by AAC in consultation with the SHPO. For the purpose of this Agreement, historic properties are defined in 36 CFR 800.16 (1) to be "any prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in, the National Register of Historic Places maintained by the Secretary of the Interior. This term includes artifacts, records, and remains that are related to and located within such properties. The term includes properties of traditional religious and cultural importance to an Indian tribe or Native Hawaiian organization and that meet the National Register criteria. The term eligible for inclusion in the National Register includes both properties formally determined as such in accordance with regulations of the Secretary of the Interior and all other properties that meet the National Register criteria."

#### 5. EXEMPTED ACTIONS

The Base Historic Preservation Officer (BHPO) will serve as the liaison between the SHPO, Council, AAC and all other identified consulting parties. AAC's BHPO will, in consultation with the SHPO, establish a process that will ensure the actions described below are appropriately reviewed by the BHPO prior to any undertaking. When review has been completed by the BHPO, the following actions will be exempt from further consultations:

A. Maintenance, construction, demolition and ground disturbing activities which do not affect historic properties.

B. Maintenance, repair and/or replacement of existing subsurface structures and roads, runways and existing utilities, so long as any ground disturbing activities are performed within previous construction limits as the original work and do not adversely affect archaeological sites.

C. Any emergency work of the following description:

(1) Protection of the human health and/or the environment from damage or harm by hydrocarbon or hazardous materials;

(2) Prevention of imminent damage resulting from the threat of hurricane, tornado or other natural disaster;

(3) Stabilization necessitated by the threat of imminent structural failure (e.g. repair or replacement of building footings); and actions waived from the usual procedures of Section 106 compliance, pursuant to 36 CFR Part 800.12 (d).

D. Interior maintenance or repair performed in accordance with the Standards and Guidelines, which does not adversely affect the character-defining interior features or spaces of an historic property.

E. Routine maintenance of historic properties is defined as follows:

(1) Repainting (provided that surface preparation does not damage, erode or otherwise disfigure historic building materials);

(2) Repair or replacement in kind of less than 5% of total historic materials, finishes and features;

(3) Removal or in-kind replacement of non-historic materials, finishes and features;

(4) Removal of non-original intrusive surface applied elements such as exterior wall-mounted conduits, pipes, wiring and junction boxes;

(5) Replacement or installation of caulking and weather-stripping around windows, doors, walls and roofs;

(6) Repair and replacement in kind of deteriorated or damaged trim, hardware, doors, gutters, porches, steps, roofs or parts of a roof, and window or door screens;

(7) Replacement of glass, which shall in no case alter existing window material or form, and which may allow for the placement of double or triple glazed windowpanes with clear glazing, but shall not allow for the placement of tinted glass (which will require consultation);

(8) Maintenance of historic features such as frames, paneled or decorated jambs or moldings through surface treatments such as cleaning, rust removal, paint removal, and re-application of protective coating systems, which shall not include sandblasting for cleaning surfaces or removing rust or paint;

(9) Repair of historic window and door frames by patching, splicing, consolidating, or otherwise reinforcing or replacing those parts that are either extensively deteriorated or are missing, where the same configuration of panes or door panels will be retained;

F. The installation and maintenance of new security and fire protection equipment and materials, including fire detection systems, fire suppressant systems, security systems and security devices such as dead bolts, door locks, window latches, and door peepholes. (No original security devices will be removed.)

G. Routine landscaping and lawn maintenance or repair that does not adversely affect the exterior appearance or the character defining historic features or spaces of an historic property. Routine landscaping and lawn maintenance or repair includes the following:

- (1) Normal mowing, pruning, shearing, watering and feeding;
- (2) Limb or whole removal of vegetation, shrubs, or trees determined to be a safety hazard;
- (3) Removal and replacement in kind of vegetation; and
- (4) Maintenance and replacement in kind of planters, flowerbeds, sidewalks, walkways, fences and freestanding signage.

H. For the purposes of this Agreement, notwithstanding the above, the following types of activities shall not be considered routine maintenance when involving historic materials, finishes, and features of historic properties:

- (1) Masonry cleaning and repair;
- (2) Replacement of deteriorated materials, finishes and features with elements that do not conform to the Standards and Guidelines;
- (3) Application of nontraditional or historically inappropriate masonry coatings, including the painting of previously unpainted historic masonry, masonry consolidants and waterproof/water repellent coatings; and
- (4) Replacement of deteriorated materials, finishes and features which comprise more than 5% of the total area of a historic property.

I. For maintenance and repair activities not specifically identified above, consultations with the SHPO will be completed prior to initiating the undertaking.

J. The BHPO has the discretion to determine that a proposed activity, while generally qualifying as a maintenance or repair activity specifically identified above, may nonetheless present unique circumstances which, in the BHPO's discretion, mandate consultation. These unique circumstances may include, but are not limited to, instances where the activity:

- (1) Is of greater scope or size than generally anticipated by this Agreement;
- (2) Poses a potential for degradation (even though slight) of an already marginal or poor historic property; or
- (3) Utilizes nontraditional, unproven technology and or materials.

#### 6. REHABILITATION, LONG-TERM MAINTENANCE AND PRESERVATION OF HISTORIC STRUCTURES

A. Historic properties shall be preserved, maintained and rehabilitated in accordance with the recommended approaches in the Standards and Guidelines. For the purposes of this Agreement, the term "rehabilitation" shall include construction activities commonly referred to as "remodeling" and "renovation."

B. All design and construction documents developed pursuant to this Agreement shall be developed in consultation with the SHPO. Unless agreed to in advance on a project-specific basis, design submission documents prepared pursuant to this Agreement shall be made by AAC and submitted to the SHPO at the completion of the conceptual schematic, advanced schematic, design development and contract document phases of structural maintenance, repair and rehabilitation projects.

C. Rehabilitation of non-historic additions to individual historic properties or to non-contributing structures within historic districts identified in Stipulation 4(A), shall be subject to the provisions of Stipulation 7(A), below.

#### 7. CONSTRUCTION

A. AAC shall ensure that all new construction within an historic district identified in Stipulation 4(A) shall be compatible with the scale, massing, color, and materials of the nearby historic properties and shall be designed in accordance with the recommended approaches to new construction set forth in the Standards and Guidelines. Construction not included within a district that may affect an historic property will be reviewed and forwarded by the base historic preservation officer to the SHPO on a case by case basis.

B. AAC shall ensure that the design of all construction affecting historic properties shall be assessed pursuant to 36 CFR Part 800.5. Unless a project-specific agreement has been reached between the AAC and the SHPO, design submission documents prepared pursuant to this Agreement shall be submitted for review at the completion of the conceptual schematic, advanced schematic, design development and contract document phases of construction projects.

C. If an adverse effect is found, AAC will consult further to resolve the adverse effect pursuant to 36 CFR Part 800.6.

#### 8. DEMOLITION OF HISTORIC PROPERTIES

A. AAC will ensure that AAC or any tenant or host command does not inadvertently cause the demolition of an historic property. AAC will ensure that the following measures are completed prior to approving any actions that could cause the demolition of an historic property:

(1) A consultation package shall be prepared by AAC when an undertaking is proposed that may result in the demolition of an historic property. The consultation package shall document the reason(s) that the responsible command believes preservation of the historic property is not a prudent and feasible alternative to demolition, and shall be submitted to the SHPO for review. The SHPO shall have 30 days from the date of receipt for review.

(2) The consultation package shall include, in addition to measures in stipulation A, the following information:

- a. The identification of, and location maps for, all affected historic properties, including clearly delineated boundaries for any affected historic district;
- b. An assessment of the effects of the undertaking with regard to historic properties;

c. An analysis of reasonable alternative courses of action considered and the reasons for their rejection; and

d. A description of strategies proposed for mitigating adverse effect(s).

B. If the SHPO determines that AAC has not supported its decision to demolish, AAC (in conjunction with a tenant or host command, if necessary) will consult with the SHPO to develop alternatives to the demolition. The resolution of the adverse effect will continue pursuant to 36 CFR 800.6.

C. If demolition or alteration of historic properties is undertaken, AAC will include, in any Memorandum of Agreement concerning those actions, the stipulation that AAC, in consultation with the SHPO, will, prior to approving the undertaking, identify and, where appropriate, salvage any character-defining historic interior or exterior features of an historic property, when such salvage is reasonable, feasible and prudent.

#### 9. RECORDATION OF HISTORIC PROPERTIES

In accordance with AFI 32-7065 and 32-9004, AAC will consult with the SHPO and the Advisory Council on Historic Preservation prior to the demolition of historic properties to determine whether recordation is necessary, and if so, at what level.

#### 10. TREATMENT OF ARCHAEOLOGICAL PROPERTIES

A. In consultation with the SHPO, the AAC shall develop a program of archaeological survey to locate, inventory, and evaluate archaeological sites and shall establish a procedure for the protection and preservation of sites included in, or eligible for inclusion in, the NRHP.

B. If an undertaking at Eglin AFB will adversely effect an archaeological site, AAC will resolve the adverse effect pursuant to 36 CFR Part 800.6.

C. If historic properties are discovered during implementation of an undertaking, AAC will proceed pursuant to 36 CFR 800.13.

D. AAC shall actively ensure compliance with the Archaeological Resources Protection Act of 1979 (ARPA) and will advise all contract and Air Force personnel and resident dependents against illegal collection of cultural materials and the penalties for such collection imposed by the Act. Appropriate measures will be developed by AAC for the protection of historic properties from looting and vandalism and for protection under ARPA.

#### 11. DISPUTE RESOLUTION

A. Should any of the signatories to this Agreement object within 30 days to any plans or specifications provided for review pursuant to this Agreement, AAC will consult with the objecting party to resolve the objection. If AAC determines that the objection cannot be resolved, AAC will invite the Council to review the relevant documentation pertaining to the issue in dispute. Within 15 days after receipt of all pertinent documentation, the Council will advise the consulting parties as to whether it will comment pursuant to 36 CFR 800.6(a)(1)(iii). Council comment provided in response to such a request will be taken into account by AAC in accordance with 36 CFR Part 800.6(c)(2) with reference to the subject of the dispute. Any recommendation

or comment provided by the Council will be understood to pertain only to the subject of the dispute.

## 12. PROJECT REVIEW, MONITORING, AND TECHNICAL ASSISTANCE

A. The BHPO shall provide to the SHPO for review, plans, specifications and other proposals for work as required pursuant to the terms of this Agreement. The SHPO shall provide comments to AAC within 30 working days of receipt of complete and sufficient project information delivered to:

Division of Historical Resources  
Compliance Review Section  
State Historic Preservation Office  
R.A. Gray Building, Room 423  
500 South Bronough Street  
Tallahassee, Florida 32399-0250  
(850) 245-6333  
Fax (850) 245-6437

B. Documentation sufficient to enable professional evaluation of the proposed undertaking will accompany each review request. Any question regarding the sufficiency of documentation will be resolved through consultation with the SHPO.

C. If the SHPO objects to any element of a plan, specifications, or other proposals for work at Eglin AFB, AAC, in consultation with the SHPO, will consider alternatives to the proposed undertaking. The conclusion of these considerations will be documented in writing by AAC and provided to the SHPO.

D. Should substantial changes be proposed by AAC for plans and specifications previously reviewed by the SHPO, these changes shall be submitted for review and comment pursuant to the terms of the applicable Stipulation of this Agreement.

E. The SHPO shall provide technical assistance, consultation and expert advice when requested to do so by AAC to aid AAC in complying with the terms of this Agreement.

## 13. PROGRAM REVIEW

A. At the end of each state fiscal year, the SHPO or AAC may request a review of the terms and conditions of the Agreement, which may be amended following consultation between the parties.

B. AAC will provide the SHPO an opportunity to inspect work sites and project files to verify adherence to the stipulations of this Agreement. At the SHPO's request, but at least once per year, AAC shall provide information about, or access to all records concerning, undertakings that affect historic properties within Eglin AFB.

C. The BHPO will submit an annual report to the SHPO and the Council within 60 days of the anniversary of the execution of this Agreement. The report will describe the nature and status of the previous year's undertakings which were covered by the terms of this Agreement and reviewed by the BHPO. The report will describe actions taken to implement the terms of the

Agreement, provide suggestions, if appropriate, for modifying or amending the Agreement, and any recommendations for implementing the Agreement over the coming year.

Execution and implementation of this Programmatic Agreement evidences that the AAC has afforded the Council a reasonable opportunity to comment and that the AAC has taken into account the effects of all undertakings carried out under the terms of this Agreement.

FLORIDA STATE HISTORIC PRESERVATION OFFICER

BY: *Janet Snyder Hattaway* DATE: *7/17/2002*  
TITLE: State Historic Preservation Officer

THE UNITED STATES AIR FORCE, AIR ARMAMENT CENTER

BY: *Robert W. Chedister* DATE: *11 Aug 02*  
TITLE: Commander

ADVISORY COUNCIL ON HISTORIC PRESERVATION

BY: *[Signature]* DATE: *2/14/03*  
(for) TITLE: Executive Director

**ATTACHMENT 4 –  
EGLIN AFB ICRMP, 2006 STANDARD OPERATING PROCEDURES**

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## INTRODUCTION

The following procedural information relevant to the EIS is referenced from the Eglin Air Force Base Integrated Cultural Resource Management Plan (Eglin AFB ICRMP) Implementation, 2004-2009, on file at Eglin Air Force Base 96 CEG/CEVH). For questions on the ICRMP, please contact Maria Rodriguez (maria.rodriguez@eglin.af.mil).

There are 19 sites on Eglin that have produced artifacts, indicating they may date to the time of contact/colonial efforts. Fourteen of these seem to have been occupied during one of the Spanish periods, whereas one is a British colonial homestead on East Bay. Twenty-six Pioneer period sites have been identified on Eglin.

The Rural Industrial Expansion period accounts for 948 components at Eglin. These include sites related to forest resource exploitation and industrial communities, rural homesteads and fishing, shipping, or agricultural communities. An example is Camp Pinchot, which was the headquarters of the Choctawhatchee National Forest after President Teddy Roosevelt established it. Also included are miscellaneous sites, such as bridges, at least one shipwreck, cattle dip vats, a boat launch, possible liquor stills, and a trash dump. Additionally, Eglin hosts major industrial complexes related to the naval stores and timber operations. Sites of this era are literally broadcast throughout Eglin. They occur in all environmental locations from the coast north to the Yellow River, and from Choctawhatchee Bay west to East Bay.

Besides the sites and documented structures, there are 28 family and/or community cemeteries that date to these periods of time.

In addition to recorded sites, numerous former structures are depicted on early USGS maps of Eglin. These represent structures that were present in the pre-military periods of Eglin history, but were razed or moved when the Air Force acquired the property. Some of these have been identified archaeologically and are included in the figures on known sites presented above. A large number of the, as yet, uninvestigated structures can be identified, in part, by inspection of the 1908 Walton County Farm Map, General Land Office maps, and a review of Hill's 1916 U.S. Forest Service inventory.

There are numerous archaeological remains associated with the military period. Examples include bunkers, missile sites, landing fields, berms, and radar sites. Three archaeological sites containing military remains are on the NRHP. These are the JB-2 missile sites, 8OK246 and 8OK248, and Operation Crossbow, which is a district listed on the NRHP as site 8OK1663. Each of these sites is described in more detail under the *NRHP Eligible and Listed Sites* section

## STANDARD OPERATING PROCEDURES

### INVENTORY

**INVENTORY OPERATIONS:** The inventory of sites on Eglin is a seamless operation. When NWR conducted the first intensive large scale survey in 1982, the first stage was a stratified random sample survey, with quarter-section units that were numbered from "1" to "177." The results of that stage were used to produce a predictive model of site location. The second stage was judgmental survey to provide an initial evaluation of the model. Judgmental units were distinguished from the sample units by a prefix of "X-." The use of this system

continues to the present (e.g., X-267, X-654) to identify survey tracts that are tasked for investigation by 96 CEG/CEVH.

**PRESENT STATUS OF THE INVENTORY:** As of March 1, 2005, 160,212 acres of high probability have been surveyed on Eglin-managed lands, representing approximately 35% of the installation. Site probability on Eglin has been reviewed by 96 CEG/CEVH and a separate, Legacy-funded study by Statistical Research, Inc. Revised probability maps are currently being reviewed, and the data incorporated into the update of this document.

**PROJECTED INVENTORY OPERATIONS:** The installation contains many areas that are unsurveyed, but which may contain evidence of archaeological site occurrence. The 96 CEG/CEVH plans to survey 48,000 acres of high probability area on Eglin-managed lands over the next four fiscal years to meet mission needs. This total represents an average of 12,000 acres per year.

The inventory priority of 96 CEG/CEVH is to respond to needs for mission activity. Two areas of concern are forestry surveys and surveys on active ranges.

**FORESTRY SURVEYS:** Two fiscal years in advance of a sale, Forestry personnel from 96 CEG/CEVSN Natural Resources (Jackson Guard) will provide CRM with maps of proposed timber sale tracts. Because timber cutting is considered an undertaking having the potential to affect historic properties, CEG/CEVH tasks proposed timber sale areas for inventory if the proposed tract is in a high probability zone. An average of 6000 to 10,000 acres per year are tasked for forestry programs. As a direct result of the continued inventory on Eglin, these figures are predicted to decrease by 1000 acres per year, resulting by FY2008 in 1000 to 5000 acres to be surveyed for proposed forestry undertakings.

**RESOURCES ON ACTIVE RANGES:** Eglin has cultural resources on active ranges, some of which have been inventoried. Completion of range inventory will be balanced against the danger to archaeological survey personnel. Currently, 96 CEG/CEVH contractors provide their own unexploded ordnance (UXO) support. However, Eglin must determine which ranges can be safely surveyed and which may have to be excluded from survey altogether or restricted from subsurface testing.

## EVALUATION

**EVALUATION OPERATIONS:** Evaluation of archaeological sites on Eglin-managed lands is accomplished through testing, which may include any or all of the following tasks: 1) literature and records search; 2) informant interview; 3) shovel testing (50cm by 50cm units); 4) test pit excavation (e.g., 1m by 1m, 1m by 2m); 5) metal detector survey; 6) ground penetrating radar survey; and 7) surface collection.

**PRESENT STATUS OF EVALUATION:** There are 342 archaeological sites on Eglin-managed lands that require evaluation. This group of sites represents those for which the survey

phase identified a potential for one of the above criteria, but the data were insufficient to make an unequivocal evaluation of NRHP eligibility. Attachment 5 is the expanded cultural resources spreadsheet, which lists all sites on Eglin and their present NRHP status.

**PROJECTED EVALUATION OPERATIONS:** Eglin will evaluate an average of 30 sites per year. The schedule may be altered, as needed, to accommodate mission priorities and/or ongoing disturbances from natural forces, such as erosion.

#### **NRHP Eligible and Listed Sites**

**Listed Sites:** Three sites on Eglin-managed lands have been listed on the NRHP. 8OK246 and 8OK248 are known as the JB-2 Launch Sites. During the latter years of World War II, Eglin was involved in the development of the Allies' version of the V-1 rocket employed by Germany. The remains of two of the JB-2 launch facilities and the support buildings are still standing at Eglin Test Site A-10 on Santa Rosa Island. They were listed on the NRHP in 1996.

The third site is 8OK1663, also known as Operation Crossbow, a far-reaching, top priority World War II project of the Allied forces. It included both the evaluation of tactics for the elimination of V-1 and V-2 launching facilities, and concurrent research and development of similar models for Allied use. The once "top-secret" project was built in less than two weeks by contractors working around the clock. The structures were used in an effort to determine the best means to destroy their German counterparts. The remains of 10 structures are visible today, with two virtually intact; it was listed on the NRHP in 1998.

**ELIGIBLE SITES:** One hundred eleven sites have been evaluated as eligible for NRHP nomination; the SHPO has concurred. In addition, two districts are evaluated as eligible. The two districts are Basin Bayou Archaeological District and New Home Naval Stores Community District. The former is comprised of archaeological prehistoric sites that were given individual site numbers. The New Home sites are all designated by a single site number, 8WL387.

#### **SITE PROTECTION PLANNING**

**MITIGATION ALTERNATIVES:** Eglin hosts 453 sites that are either eligible for nomination to the NRHP, or their eligibility has yet to be determined. Eglin is responsible for the protection of these sites. Due to the established preference of prehistoric populations and many historic occupations for waterfront settlement, Eglin now has under its jurisdiction many important historic properties that are being impacted by shoreline erosion. Since adverse effects are occurring to these sites because of the erosion, Eglin must come into full compliance with cultural resources legislation and AF instructions that mandate the protection of historic properties under its control.

To accomplish this goal, 96 CEG/CEVH reviewed the data on sites that are threatened by erosion and developed a prioritized list for protective action. In so doing, 96 CEG/CEVH chose those sites that offer the best potential to contribute to the archaeological record, and at the same

time have been identified as suffering the most severe threat to their loss by exposure to the adverse effects of erosion.

This five-year site protection plan was developed in an effort to bring Eglin into compliance with cultural resources legislation, and to ensure the good stewardship of its resources. The plan is for Eglin to protect one of the prioritized sites per fiscal year through FY2010.

The alternatives to deal with ongoing erosion are: 1) data recovery; 2) riprap installation; 3) vegetation measures; and 4) no action. Data recovery consists of archaeological excavation, designed to provide a representative sample of the site contents, thereby maximizing the data and research potential.

The preferred alternative is riprap installation, which involves the installation of geotextile cloth and riprap along the eroding bluffs of the endangered sites. The ends of the structures would be sloped into the natural terrain and seeded with *Panicum sp.*, a grass used for stabilization of eroding areas. The average cost for riprap delivered and installed currently averages around \$70.00 per ton.

Vegetative measures are not preferred, as results from using this alternative at sites eroding along Choctawhatchee Bay and East Bay were not successful. Due to severe wave action and storms, none of the grasses survived for more than a few months. The placement of 1200-pound hay rolls along the shorelines was also attempted in an effort to provide protection for vegetation to naturally occur. The rolls could not withstand the tropical storms that frequent the region and the project failed. Using vegetative measures is no longer considered an option for shoreline stabilization at the archaeological sites addressed in this plan.

No action is an alternative that requires no active protection. The land would continue to erode resulting in the loss of archaeological sites that are either listed on or eligible for nomination to the NRHP, as well as those for which eligibility has not been determined. Although it would not require any expenditure of funds, this action is out of compliance with AF instructions and regulatory legislation. It is not a desirable option.

**PROJECTED PRESERVATION AND MITIGATION PROJECTS:** 96 CEG/CEVH plans for one of these projects per fiscal year for the next five years. The schedule may be altered to meet mission needs. The site plans below present three options for data recovery and one for riprap installation in each case.

**SSR17 (PROPOSED FOR FY2006):** This site is located just west of the confluence of Long Branch and East Bay, on the extreme western edge of the reservation. Originally reported in 1960, it was described as a large shell midden extending along the shore of East Bay for a distance of 1000ft. Since that time, erosion has caused the shoreline exposure of the site to now be estimated at less than 500ft, extending approximately 90 meters inland. Eglin has conducted an archaeological inventory investigation, and a test and evaluation project at the site. Data

recovered indicate the Weeden Island and Fort Walton/Pensacola peoples (A.D. 500 to 1600) primarily occupied the site, but artifacts in private collections indicate occupation over a longer period, extending from the Archaic Period into the 19th century. The site contains intact midden deposits, and historic-era features of unknown function.

Archaeologists have also identified several “mound-like” features that warrant investigation. Records reveal that human remains have been recovered from the site, and in 1960, a burial was rumored to have been uncovered by fire-plowing activities, although this has not been confirmed. The current site size estimate is 13,500 meters square.

Unknown quantities of intact deposits are being lost to erosion due to the wave action along the site’s southern boundary that abuts East Bay. An approximately two meter high bluff revealed exposed midden where erosion continues to undercut the deposits. Local informants have reported human remains eroding from the shoreline, and examination of several private collections revealed human bone. Trees along the bluff’s edge have either toppled or are in danger of doing so during the next severe storm, which in turn destroys in situ deposits. Looters have also taken the opportunity to plunder the exposed bluff, evidenced visibly by gouged out areas of shell midden.

8SR17 is eligible for the NRHP under Criterion D. Although the site has been impacted by erosion and human activity, its integrity has not been severely compromised, and it is evident that intact deposits remain. Aside from providing data on Fort Walton/Pensacola chronology, ceramic assemblages, subsistence practices, burial customs, and settlement patterns, it holds the potential to provide other information as well. Potential data include information on the intra-site variability of shell midden concentrations and non-shell midden areas. The different deposits likely represent varied activity loci, and may provide detailed data of the everyday lives of the site’s occupants. 8SR17 also contains the only evidence on Eglin of a potential lime kiln. This could provide information on the use of tabby in early regional construction. The site has the potential to provide data on the relationship of the lime kiln to 8SR1251, a nearby British Colonial Period site that employed tabby in the construction of its structures.

Estimated costs for the data recovery options as they apply to 8SR17, are as follows:

*Option 1.* For data recovery along a 150m section of the bluff abutting East Bay, and extending 25m inland, 3750 cubic meters would be excavated at an estimated cost of \$4,125,000.00 to \$5,625,000.00. Costs for site monitoring and future data recovery (second or third stages if erosion persists) would be additional.

*Option 2.* A 10% sample of Option 1 would require the excavation of 375 cubic meters at a projected cost of \$412,500.00 to \$562,500.00. Costs for site monitoring and future data recovery (second or third stages if erosion persists) would be additional.

*Option 3.* Total data recovery, based on a 5 to 8% sample of the entire site, would entail excavating 675 to 1080 cubic meters of soil at a projected cost range of \$742,500.00 to \$1,620,000.00.

*Option 4.* Site stabilization accomplished through the installation of riprap along approximately 500 linear feet of the shoreline at 8SR17 is estimated at \$160,000.00.

**8SR234 (PROPOSED FOR FY2007):** This site is located near the mouth of the East River and its confluence with East Bay, on the extreme western edge of the Eglin reservation. It is situated on a bluff along the north shore of East Bay, and the shoreline is marked by a steep rise in elevation, with a flat sand bar extending into the bay. To the north is the East Bay swamp, while to the east is a wet swale that drains the swamp. Site size is estimated at 14,400 meters square. Approximately 180m (about 590 linear feet) are subject to shoreline erosion. The effects of erosion are visible, and evidenced by the large number of bricks located within the water's edge. In addition, the erosion process is undercutting a number of trees, and large gullies are encroaching inland. An unimproved access road is located about 25m north, but appears to have had only minor impacts to the site. The site consists of both prehistoric and historic components, but the historic portion of the site is in the most danger from being lost to erosion.

8SR234 was determined under Criterion D, to be eligible for listing on the NRHP. It contains a historic component that dates to the Antebellum period and may extend to, or just beyond, the Civil War. Such sites are highly uncommon in the Eglin archaeological record, making this property significant in research potential. Furthermore, the artifact assemblage has characteristics of a subsistence level occupation that would provide information for comparative studies of economic status. The artifact assemblage is also contemporaneous with the *Miller's Mill Site*, which was the location of a sawmill that was operational by the mid-1850's. Information from sites on East Bay, which historically was the first area settled on Eglin, may provide compelling information on the nature of Antebellum and Post-Bellum occupation, and industrial activities in this part of the reservation.

The cost estimates for the alternative options as they apply to 8SR234 are listed below.

*Option 1.* The excavation of a 25m by 180m section of the site, would require the removal of 4500 cubic meters of soil at a projected cost of \$4,950,000.00 to \$6,750,000.00. If erosion persists, subsequent data recovery and monitoring would be additional costs.

*Option 2.* To conduct a 10% sample of Option 1, would require the excavation of 450 cubic meters. Projected costs would range from \$495,000.00 to \$675,000.00. If erosion persists, subsequent data recovery and monitoring would be additional costs.

*Option 3.* Total data recovery would require a 5 to 8% sample of the entire site, involving 720 to 1152 cubic meters. Estimated cost would range from \$792,000.00 to \$1,728,000.00.

*Option 4.* To install approximately 590 linear feet of riprap is estimated to cost \$188,800.00.

**8OK72 (Proposed for FY2008):** 8OK72 is an extremely large site, and its known limits are estimated to cover an area of 53,200 meters square. The site's inland boundary has not been definitively determined since investigations revealed the site probably extended into an area identified by Eglin as contaminated, and CEG/CEVR does not permit archaeological shovel testing in those areas. It is located on a level, north-south trending spit of land bound by Choctawhatchee Bay to the east and Postl Lake to the west. Investigations have revealed 16 discrete areas of concentration, which occur as middens, individual heaps, and linear shell ridges. Evidence indicates that major occupations were Deptford, Weeden Island, and Fort Walton/Pensacola populations. The semicircular arrangements of the shell middens indicate their deposition occurred during the Fort Walton occupation, since similar shaped middens occur at other, contemporaneous type sites in the region.

A length of approximately 600 meters of the site that is exposed to the bay is subject to impacts due to erosional forces. These can be particularly devastating during the hurricane season. William Lazarus first noted the effects of erosion at the site in 1962, and it was mentioned again by NWR in archaeological field notes taken in 1982, while conducting research for Eglin's HPP. Each episode of erosion results in numerous artifacts being freshly exposed in the waters along the shore, and the exposure of midden deposits in the approximately four foot high bluff. In 1989, it was investigated as part of a base erosion study conducted by New World Research. During that study, it was determined that the site was seriously endangered by erosion along the bay shore. Since 1989, several meters of the shoreline have been lost. Erosion along Postl Lake is not considered a problem.

8OK72 has been determined to be eligible for listing on the NRHP under Criterion D. Aside from providing data on Fort Walton chronology, ceramic assemblages, subsistence practices, and settlement patterns, it holds the potential to address other research issues as well. Among them are the relationship between it and earlier and later occupations, the relationship between similar deposits here and at 8OK71, another Fort Walton site on the opposite shore of Postl Lake, as well as data on the similarities of the configuration of its shell middens with two Fort Walton village sites on the south shore of Choctawhatchee Bay.

Estimated costs for the data recovery options as they apply to 8OK72, are as follows:

*Option 1.* For data recovery along a 183m stretch of the bluff abutting Choctawhatchee Bay, and extending 25m inland, 4575 cubic meters would be excavated at an estimated cost averaging between \$5,032,500.00 and \$6,862,500.00. Costs for site monitoring and future data recovery (second or third stages if erosion persists) would be additional.

*Option 2.* For conducting a 10% sample of Option 1, which would require the excavation of 458 cubic meters, the estimated cost is \$503,800.00 to \$687,000.00. Costs for site monitoring and future data recovery (second or third stages if erosion persists) would be additional.

*Option 3.* Total data recovery, based on a 5 to 8% sample of the entire site, would require the excavation of approximately 2660 to 4256 cubic meters at an estimated cost of \$2,926,000.00 to \$6,384,000.00.

*Option 4.* Site stabilization accomplished through the installation of riprap along approximately 600 linear feet of the shoreline at 8OK72 is estimated at \$192,000.00.

**8WL41 (PROPOSED FOR FY2009):** 8WL41 lies on a ridge overlooking the north shore of Choctawhatchee Bay. The site is situated on a low knoll on a short, wide ridge between two drainages. It apparently originally stretched from about 200m north of Highway 20, to 600m to the bay shore, and 300m east to west. The site contains a Deptford component between 40 and 60cm in one area of the site. It has been suggested that this component is a limited activity area.

A Weeden Island component is represented by materials dispersed across the site, generally from 10 to 70cm. It has been interpreted as either a village or series of hamlets. The Fort Walton/Pensacola component was found between zero and 10cm in one unit, and to 50cm in others. It might also represent a village or small hamlets.

8WL41 was identified in 1958 by W. C. Lazarus as small discrete areas of rangia shell midden. PTA found oyster middens, and has noted that the site was probably much larger than it is today due to erosion along the bay shore. The midden is still present today, but subject to impact from ongoing erosion.

This site is close to 8WL58 and 8WL68, also both eligible properties. Comparisons with the collections from these sites suggest that all three sites, 8WL41, 8WL58, and 8WL68, may be related to contemporaneous occupations, at least, during portions of the time they were inhabited.

The site is evaluated under Criterion D as eligible for the NRHP. It possesses intact deposits that have research potential to address issues related to assemblage traits common to Deptford, Weeden Island, and Fort Walton/Pensacola groups; temporal variation in tool kits, raw material selection, site configuration; inter-site relationships; and data relevant to community patterning and economic bases.

The following are the cost estimates for alternative protection options as they apply to 8WL41.

*Option 1.* To excavate a 300m stretch (approximately 985 linear feet) along the bluff that extends 50m inland, 15,000 cubic meters of dirt would be excavated at a cost of \$16,500,000.00 to \$22,500,000.00. If erosion persists, subsequent data recovery and monitoring would be additional costs.

*Option 2.* To do a 10% sample of Option 1, would require the excavation of 1500 cubic meters. Projected cost would be from \$1,650,000.00 to \$2,250,000.00. If erosion persists, subsequent data recovery and monitoring would be additional costs.

*Option 3.* Data recovery for the entire site would be based on a 5 to 8% sample. This would require the excavation of approximately 12,000 to 19,200 cubic meters at a projected cost of \$13,200,000.00 to \$28,800,000.00.

*Option 4.* This would entail the installation of riprap along approximately 985 linear feet of the site. Projected cost would be \$315,000.00.

**8WL119 (PROPOSED FOR FY20010):** 8WL119 has been investigated a number of times, first by NWR during the HPP work, and again by PTA when the site boundaries were enlarged as a result of nearby survey. The site is situated in a hardwood hammock on the terrace edge above Choctawhatchee Bay. The site size, as of the most recent investigation, is 31,750 square meters. Ongoing erosion has impacted some deposits in the interim period.

8WL119 has yielded a sizeable collection of lithic artifacts, prehistoric ceramics, and floral and faunal remains. The artifacts indicate that the site contains a small Weeden Island component, but the major occupation was by later, Fort Walton/Pensacola people. The presence of ceramics like Leon Check Stamped suggests it may be late in the prehistoric era.

The site was evaluated as eligible under criterion D of the NRHP because of its research potential. This site contains the only confirmed evidence of maize horticulture found to date on Eglin.

The cost estimates for the alternative options as they apply to 8WL119 are listed below.

*Option 1.* The excavation of a 50m by 200m section of the site, would require the removal of 10,000 cubic meters of soil at a projected cost of \$11,000,000.00 to \$15,000,000.00. If erosion persists, subsequent data recovery and monitoring would be additional costs.

*Option 2.* To conduct a 10% sample of Option 1, would require the excavation of 1000 cubic meters. Projected costs would range from \$1,100,000.00 to \$1,500,000.00. If erosion persists, subsequent data recovery and monitoring would be additional costs.

*Option 3.* Total data recovery would require a 5 to 8% sample of the entire site, involving 1587 to 2540 cubic meters. Estimated cost would range from \$1,746,000.00 to \$3,810,000.00.

*Option 4.* To install approximately 500 linear feet of riprap is estimated to cost \$160,000.00.

**OTHER SITE PROTECTION ACTIVITIES:** Besides the projects designed to protect coastal archaeological sites from erosion, Eglin will be engaged in other activities over the next five years that fall under the heading of historic property protection. Most of these activities will be conducted by contractors, as our in-house civil service staff cannot provide the level of effort

necessary. Archaeological sites need to be inspected periodically to record evidence of vandalism or erosion damage. Surveillance of sites may be necessary to prevent vandalism. Construction monitoring activities are needed periodically to prevent unintentional damage to sites. A considerable amount of time will be spent each year on oversight of ongoing site protection projects and developing site protection strategies. This type of work includes mapping, bounding sites with GPS equipment, surface artifact collection, and escorting contractors to and from restricted areas.

Approximately 185 of 456 sites that are listed on the NRHP, eligible for nomination, or require eligibility determinations can be inspected each year given historic levels of funding. At \$100 per site, this activity will cost an estimated \$18,500 per year. Construction monitoring at approximately \$500 per site will be required at an estimated ten sites per year, for a total cost of \$5,000. Site surveillance to prevent vandalism will be conducted approximately 65 times per year, at a total cost of \$8,500. The estimated cost for developing site protection strategies, and assistance with project oversight is \$10,000 per year. The total cost for site protection activities per year, not including the direct costs of erosion control projects, is estimated to be \$42,000.

The table below presents the costs of Eglin's site protection alternatives by fiscal year for comparative purposes (Table 5). The data recovery Option 2 has been selected as consistently yielding the most economical costs among the first three options.

Site protection is more cost-effective in all preservation and mitigation projects planned for the next five fiscal years. Protection is urged as the preferred approach to mitigating adverse effects to sites that are not threatened by mission impact, but rather actions such as looting, erosion, and similar destructive forces.

**Table 5. Summary of Comparative Costs for Site Protection and Data Recovery Option 2**

	Site Protection Option (Preferred)			Data Recovery Option 2		
	Riprap	Other	Total	Data Rec. <sup>6</sup>	Other	Total
FY04	\$160,000	\$42,000	<b>\$202,000</b>	\$487,500	\$42,000	<b>\$529,500</b>
FY05	\$188,800	\$42,000	<b>\$230,800</b>	\$585,000	\$42,000	<b>\$627,000</b>
FY06	\$192,000	\$42,000	<b>\$234,000</b>	\$595,400	\$42,000	<b>\$637,400</b>
FY07	\$315,000	\$42,000	<b>\$357,000</b>	\$1,950,000	\$42,000	<b>\$1,992,000</b>
FY08	\$160,000	\$42,000	<b>\$202,000</b>	\$1,300,000	\$42,000	<b>\$1,342,000</b>

<sup>6</sup>Costs are an average of the higher and lower end costs of each Data Recovery Plan -Option 2.