

**INTEGRATED CULTURAL RESOURCE MANAGEMENT PLAN  
PICATINNY ARSENAL, ROCKAWAY AND JEFFERSON TOWNSHIPS,  
MORRIS COUNTY, NEW JERSEY: 2014-2018**

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**JANUARY 2014**

**FINAL VERSION**

**Prepared by:**

**ENVIRONMENTAL AFFAIRS DIVISION  
BUILDING 319  
U.S. ARMY GARRISON, PICATINNY ARSENAL, NEW JERSEY**

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## STAFF ACTION COVERSHEET US Army Garrison Picatinny Arsenal



**SUBJECT:** Review and Signature of 2014-2018 ICRMP **DATE:** 28 JAN 14

**PROBLEM OR REASON FOR ACTION:** 5-yr update to ICRMP required by AR 200-1 and DoD I 4715.16

**FACTS OR DISCUSSION –** Provides Garrison roles and responsibilities for Cultural Resource Management (CRM)

**CONCLUSIONS (IF APPLICABLE):**

**RECOMMENDATIONS:** Signature of 5yr plan via this Staff Action Sheet

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<b>COORDINATION</b> <small>(INDICATE ROUTING - CHECK BOX)</small>					<b>COMMAND SECTION</b>				
SECTION	CONCUR	NON CONCUR	INITIALS	DATE		APPROVED	INFO	INITIALS	DATE
<input checked="" type="checkbox"/> DPW	✓		JH	30 Jan 14	GC	x		JS	19 FEB 14
<input type="checkbox"/> PAIO					DGC				
					CSM	✓		PC	2/6/14
					AO				
					<input checked="" type="checkbox"/> CG				

**Garrison Commander's Remarks:**

**INTEGRATED CULTURAL RESOURCES  
MANAGEMENT PLAN (ICRMP)  
U.S. ARMY GARRISON, PICATINNY ARSENAL  
ROCKAWAY AND JEFFERSON TOWNSHIPS,  
MORRIS COUNTY, NEW JERSEY  
2014 - 2018**

**Prepared for:**

**PICATINNY ARSENAL, NEW JERSEY**

**Prepared by:**

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**ENVIRONMENTAL AFFAIRS DIVISION  
BUILDING 319  
PICATINNY ARSENAL**

**January 2014**

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## Executive Summary

**Report Name.** Integrated Cultural Resources Management Plan (ICRMP) for U.S. Army Garrison, Picatinny Arsenal (USAG Picatinny), Morris County, New Jersey.

**Project Location and Environmental Setting.** Picatinny Arsenal is located on an approximately 5,853-acre (2,367-hectare) site in the townships of Rockaway and Jefferson in the Highlands regions of northwestern Morris County, New Jersey. Contained within the Green Pond Brook Valley, Picatinny Arsenal is flanked by uplands to the west and east. Steep slopes, stony soils and rocky outcrops are characteristic of the region.

**Purpose and Goals.** The ICRMP is the installation's protection and compliance plan for managing cultural resources and historic properties such as archaeological sites, buildings, structures, and historic districts including their accompanying viewsheds and character defining features within the military reservation. This document, along with the 2013-2017 Historic Property Component Plan (HPC) for Army Alternate Procedures to 36 CFR 800 (National Historic Preservation Act Section 106 compliance procedures) aids facility personnel in incorporating historic property and cultural resource treatment measures into the planning of projects such as new construction and ground disturbance, major additions, structure rehabilitation, building maintenance, mothballing/decommissioning, etc. This integration allows for the Picatinny mission to continue without disruption, while at the same time ensuring significant cultural resources are documented and/or preserved for future generations.

**Regulatory Basis.** The U.S. Army, as a federal agency, has management responsibilities concerning the protection and preservation of cultural resources on land it controls or uses. Federal statutes require the Army identify and evaluate significant cultural resources on properties they own and manage. Federal laws and regulations authorizing the Army to undertake this responsibility include: National Historic Preservation Act (NHPA) of 1966, as amended through 2000 (16 U.S.C. 470-470w-6) and 36 CFR 800, 60, 63 and 78, which includes the Section 106 and 110 processes; Army Regulation 200-1, 13 December 2007, "Environmental Protection and Enhancement" dictates Army policy toward compliance with cultural resource management laws and regulations; and Department of Defense Instruction (DoDI) 4715.16 "Cultural Resources Management" provides guidance for implementing AR 200-1 and the layout of this ICRMP (18 September 2008).

**Planning Level Survey.** Historic land use at Picatinny Arsenal can be divided into three (3) general periods: (1) prehistoric subsistence activities; (2) pre-Arsenal industrial and agricultural activities associated with the settlement of the surrounding communities; and (3) Arsenal-related construction endeavors and subsequent military-industrial activities. The first period is characterized by subsistence activities conducted by Native Americans prior to the migration of European traders/settlers (i.e., prehistoric camp and rockshelter sites have been identified in the vicinity). The second period reflects industrial activities associated with iron mining and production endeavors during the colonial/pre-Arsenal period by European-American settlers, and rural settlement activities which included the limited cultivation of grains and livestock prior to 1880. The third land

use period, construction activities associated with the creation of the U.S. Powder Depot beginning in 1880 involved the replacement or reuse of structures or remains associated with agricultural and early industrial periods of the area and the subsequent, dramatic land alterations inherent in the erection of a federal military reservation.

On the Arsenal's initial 1,866 acres (746.4 ha) in the Green Pond Brook valley, construction activities focused on the erection of storage magazines, officer's quarters, and service facilities. Then in June 1891, 315 acres of Picatinny's original purchase near Lake Denmark was ceded to the Navy for the establishment of the Lake Denmark Naval Ammunition Depot (Lake Denmark NAD) to become its primary depot on the east coast. Picatinny Arsenal and the Lake Denmark NAD expanded within the valley, their missions diversified to incorporate the manufacturing of increasingly more powerful explosives and ordnance, and involved significant construction and land moving activities.

The most dramatic alteration of the landscape occurred in July 1926 when a lightning strike caused explosions and fires at the Lake Denmark NAD facility. As a result, both Picatinny Arsenal and Lake Denmark's facilities were rebuilt based on newly devised procedures and building specifications. In 1960, Picatinny Arsenal incorporated the Lake Denmark property (back) into its reservation.

Currently, the installation comprises approximately 5,853-acres of fee simple property including 610 buildings. Additionally, 641 acres of private property comprising six (6) tracts are encumbered by Department of the Army (DA) restrictive easements. These particular tracts are not managed by Picatinny or the cultural resource management program. Presently, the arsenal is divided into four (4) broad land use areas: (1) research, development and testing areas; (2) administrative areas; (3) housing and community areas; and (4) parking areas. Safety and unexploded ordnance (UXO) clearance zones in specific areas also exist and need to be considered during any development activities.

Today, Picatinny Arsenal is known as the Joint Center of Excellence for Armaments and Munitions housing the headquarters for the Armament Research, Development and Engineering Center (ARDEC) under the U.S. Army Research, Development and Engineering Command (RDECOM) and the Joint Munitions & Lethality (JM&L) Life Cycle Management Command (LCMC). RDECOM -ARDEC's mission is "researching and developing armament and weapon systems for a changing Army" (Picatinny Arsenal 2008). A major subordinate command of the Army Materiel Command (AMC), RDECOM is responsible for developing high quality weapons and munitions for U.S. troops. The JM&L LCMC is drawn from the "Ammunition Enterprise" of the Program Executive Officer Ammunition, the Joint Munitions Command and ARDEC and integrates the people, organizations, infrastructure, and processes necessary for the effective life cycle management of conventional munitions for the Warfighter.

***Cultural Resources Inventory.*** Architectural resources at Picatinny include buildings, structures, and features, including but not limited to all visible aspects of the built environment combining to form the installation's historic fabric, such as bridges and dams, sewage lift stations,

playgrounds and court areas, cemeteries, parks and gardens, surrounding landscape and overall setting, etc. Across the installation, approximately 75-80% of its architectural resources have been assessed for their eligibility to the National Register of Historic Places (NRHP). Based on various evaluations and re-evaluations of the Arsenal's various military industrial areas, the installation has been determined to lack sufficient integrity to form a single historic district; however instead, five (5) smaller districts remain containing 97 structures, 23 of which are non-contributing elements to these larger historic districts, along with two (2) individually eligible structures.

As for archaeological resources, the existing inventory of prehistoric sites is limited due to the paucity of modern systematic archaeological surveys within the Highlands region, while very limited information is also available on the present conditions of reported or possible civilian historic industrial sites within Picatinny. In total, 119 potential and/or known historic archaeological sites, along with 32 potential and/or known prehistoric archaeological sites have been identified across the installation (150 Total Sites). Additional Phase I identification and/or Phase II evaluation surveys are recommended at many of these sites prior to developmental impact (Appendix D of this document). Specific information needs and data gaps include the identification of whether the potential archaeological sites within these site totals exist (historically mapped and not yet located) along with an assessment of their current condition and potential eligibility to the NRHP. Furthermore, demolition and construction activities related to the aftermath of the 1926 explosion may have buried or built over many potential archaeological sites. Overall, as a result of completed field surveys, 98 areas of varying size covering an approximate total of 1,820 acres across the installation have been identified as sensitive and/or potentially sensitive, yet disturbed, for the occurrence of archaeological materials, along with a total of 54 archaeological sites of both a prehistoric and historic nature have been officially identified with Smithsonian Site Registration Trinomial numbers and recorded with the New Jersey State Museum (NJSM).

**Management Plan.** All disturbance on archaeological sites, and undertakings on buildings and within historic districts determined eligible for listing or listed in the NRHP must be planned and executed in accordance with the *Secretary of the Interior's Standards and Guidelines for the Treatment of Historic Properties*. Discussed within this report and the HPC are treatment considerations for the management of archaeological sites including Native American remains, curation and artifact collections, and historic building undertakings including preservation, rehabilitation, restoration, reconstruction requirements, new construction, additions, and Design Build, accessibility, Anti-Terrorism Force Protection (ATFP), and Ordnance Testing and Safety Upgrades, landscaping, viewshed and features concerns, unintentional or inadvertent damage to eligible properties, and demolition.

**Location of Report Copies.** Hard copies of this document and the HPC can be found at the Environmental Affairs Division (EAD) under the Directorate of Public Works at USAG Picatinny. Additionally, an internet version of this document is available at <http://www.pica.army.mil/ead/>.

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## 1.0 Introduction

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This document is the five (5) year update of the Integrated Cultural Resources Management Plan (ICRMP) for U.S. Army Garrison Picatinny Arsenal (USAG Picatinny) located in Rockaway and Jefferson Township, Morris County, New Jersey (Figure 1.1). This document is valid from the date signed until the end of 2018. This management plan is required and mandated by Army Regulation (AR) 200-1: “Environmental Protection and Enhancement” and Department of Defense Instruction (DoDI) 4715.16: “Cultural Resource Management”.

This document was prepared by Jason Huggan, Cultural Resource Manager (CRM) for Picatinny Arsenal. The previous ICRMP (2009-2013) and the June 2013 Historic Properties Component Plan (HPC) were used as a general basis and background for the production of this management plan (Dewberry 2013).

In accordance with the National Environmental Policy Act (NEPA), a record of environmental consent (REC) was prepared for this document in lieu of an Environmental Assessment (EA) as substantial changes were not implemented for the Cultural Resources Program from the previous ICRMP. Additionally, an EA was recently completed for the HPC in 2012 in accordance with the execution of Army Alternate Procedures (AAP) to 36 CFR 800.

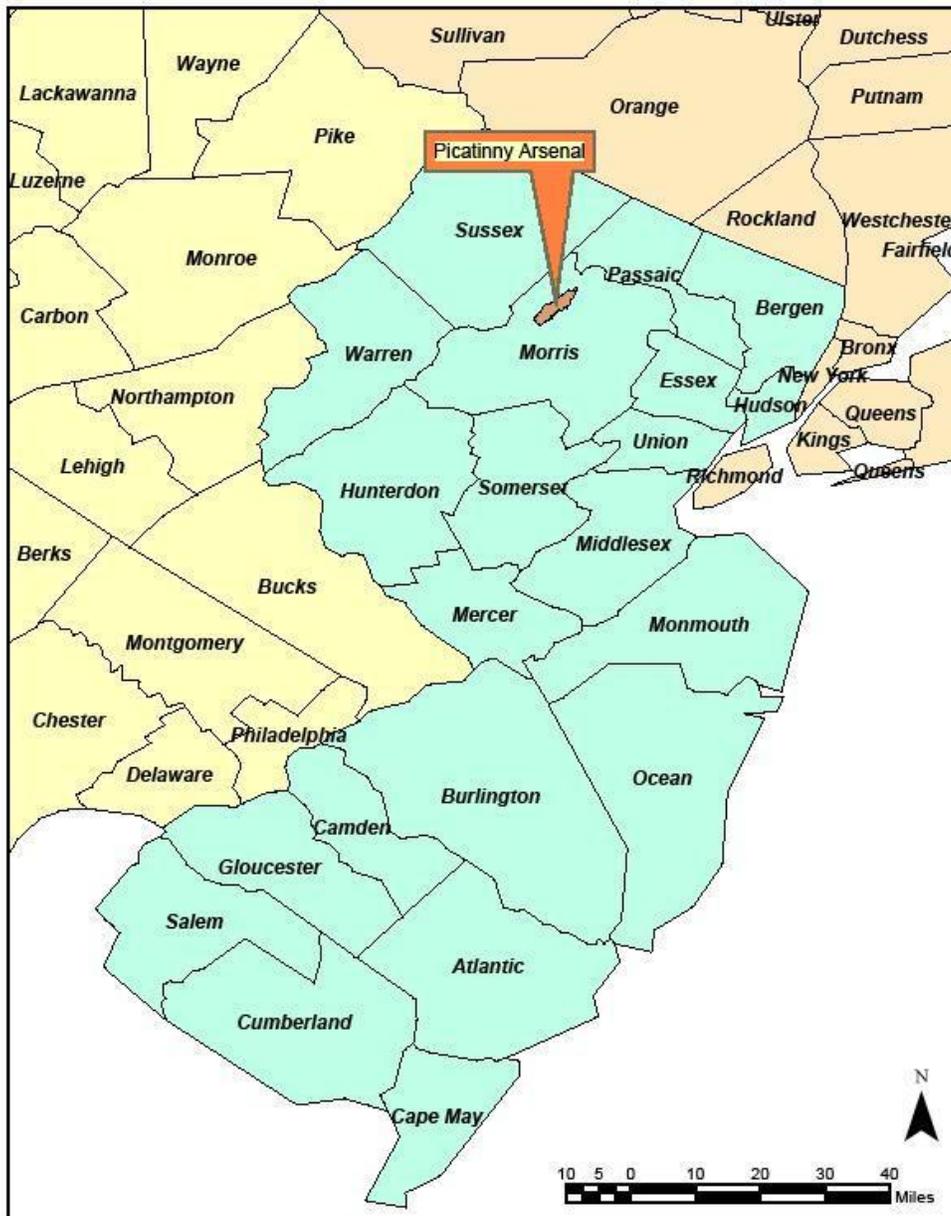
### 1.1 GOALS AND PURPOSE

As a Federal agency, the Army has management responsibilities concerning the protection and preservation of cultural resources on land which it controls and manages. AR 200-1 establishes the Army’s policies, procedures, and responsibilities for complying with Federal cultural resource management requirements. These requirements are briefly summarized in Chapter 2 of this document. These policies and procedures are prescribed to ensure the management of cultural resources (including National Register [NR] eligible historic properties) does not interrupt or slow the military mission. The ICRMP must be maintained on a regular basis reviewed annually by the CRM and updated as the installation's mission or environmental changes warrant. The ICRMP is a 5-year plan for meeting historic preservation compliance and cultural resource management requirements and includes a strategy for incorporating the protection and supervision of these resources within ongoing mission activities and land use decisions.

The Army defines cultural resources as “*historic properties*” (buildings, districts, objects, sites, or structures) as defined in 36 Code of Federal Regulation (CFR) Part 60 and the National Historic Preservation Act (NHPA) that meet eligibility criteria for the National Register of Historic Places (NRHP), whether or not they have been formally registered, identified, or acknowledged as “eligible” or “determined not eligible”), including artifacts, records, and material remains related to such a property or resource; “*cultural items*” as defined in 25 U.S. Code (USC) Section 3001 and the Native American Graves Protection and Repatriation Act (NAGPRA); American Indian, Eskimo, Aleut, or Native Hawaiian “*sacred sites*” as defined by Executive Order (EO) 13007 to which access is provided under the American Indian Religious Freedom Act (AIRFA); “*archaeological resources*” as defined by 16 USC Section 470 aa-mm and the Archeological

Resources Protection Act (ARPA); “significant paleontological items” as described by 16 USC 431-433 and the Antiquities Act; and “archaeological artifact collections and associated records” defined under 36 CFR Part 79.

The goal of the ICRMP is to integrate the treatment of cultural resources with the installation’s mission including programs, procedures, construction, military training, testing, research and development (R&D), projects and real estate property or land use decisions. This integration will allow the Picatinny mission to continue without disruption while, at the same time, ensuring significant resources are documented and/or preserved for future generations.



**Figure 1.1.** Picatinny Arsenal installation boundary, located within the Townships of Rockaway and Jefferson, Morris County, New Jersey.

## 1.2 CONTENT

The ICRMP is a strategy document for complying with cultural resource management requirements by incorporating the protection and management of these resources with mission activities and land use decisions. As the Garrison Commander's (GC) decision document for managing cultural resources, the ICRMP is utilized with other facilities management systems and processes so as to provide the greatest overall program effectiveness and business efficiency for planning purposes (DoDI 4715.16). This planning consists of four (4) primary elements: the planning level survey, cultural resources inventory, management plan, and the recently implemented HPC Plan for AAP to 36 CFR 800 (Section 106 of the NHPA).

This document will:

- specify compliance procedures recently updated with the June 2012 HPC with the New Jersey State Historic Preservation Office (NJ HPO) and the Advisory Council on Historic Preservation (ACHP) as required by Sections 106 and 110 of the NHPA (Section 2 of this document and the HPC Plan). Overall, the HPC is part of the ICRMP and referenced herein as Chapter II;
- identify pertinent legal requirements as well as procedures for integrating historic preservation compliance within the installation (Section 2 of this document);
- account for the installation's continuing *Planning Level Survey* and *Cultural Resources Inventory* (Sections 4 and 5 of this document, along with Section 2 of the HPC).
  - the *Planning Level Survey* consists of an analysis and discussion of Picatinny's cultural and military landscape. This landscape analysis integrates what is known about the installation with research contexts and questions appropriate to the installation and northern New Jersey to provide a framework for the ICRMP and the implementation of project specific compliance actions. Information derived from this analysis will assist in developing Geographical Information System (GIS) data layers for use in analyzing the spatial relationships among all cultural resources within their natural and human settings. The landscape analysis within the planning level survey offers an approach for comprehending the land use history of the installation.
  - the *Cultural Resources Inventory* merges previously gathered data with any new information to identify and inventory any data gaps across the installation. Procedures and field efforts necessary to fill these data gaps and maintain the cultural resource inventory also are presented, along with budgetary considerations. While some of the inventory may consist of archaeological resources, the bulk of the identified historic properties at Picatinny are standing structures within larger historic districts
- set priorities on a 5-year plan to identify additional field analytical and documentation

projects needed to fill data gaps and further develop, evaluate and manage the inventory of cultural resources eligible for the NRHP, while integrating these activities into Picatinny's ongoing mission (Section 5.4 of the HPC);

- identify general levels of funding and scheduling for current, ongoing, and future cultural resource management projects (Section 5 of this document and also Section 2 of the HPC); and
- provide guidelines and treatment procedures (Section 6 of this document, and Section 6 and Appendix L of the HPC) for the preservation of cultural resources eligible for the NRHP.

Lastly, the Appendices of this document and the HPC conclude by presenting a glossary of cultural resource management and historic preservation terms used frequently throughout, along with a list of acronyms; archaeological site descriptions and their current status; historic buildings assessment catalog; SOPs for undertakings; and a review of the installation's environmental setting.

### **1.3 INSTALLATION HISTORY AND OVERVIEW**

(To note, even though this brief history is within Section 1.5 of the HPC, it is presented here for continuity of the entire document of both the ICRMP and the HPC). Prior to 1880 and the creation of Picatinny Arsenal, iron mining historically occurred at both Mount Hope mine (directly adjacent to Picatinny) and Dickerson mine (west of Picatinny) as early as 1710, making these sites the oldest iron mining operations in both New Jersey and the thirteen (13) colonies (Rutsch and van Voorst 1991:13). Additionally during the mid-18<sup>th</sup> Century, three (3) iron forges were established along Burnt Meadow and Green Pond Brooks (tributaries of the Rockaway River) within what would become known as Picatinny Arsenal. These iron forges were the Mount Pleasant Forge (founded in 1748 and known as Lower Forge), Picatinny Forge (founded in 1749 and also known as Aetna or Middle Forge after 1772), and Burnt Meadow or Denmark Forge (founded in 1750 and also known as Upper Forge) (Klein et al. 1986:2-10; Rutsch 1999:8-16). The fires for these forges were extinguished prior to the conclusion of the Civil War when the related iron extraction industry was in decline within this region of New Jersey.

In September 1880, the U.S. Army established the Dover Powder Depot under the command of Major Francis H. Parker. Renamed the Picatinny Powder Depot, the installation's initial purpose was the storage of "powder, projectiles, and explosives, both for reserve supply and for issue; also for the preparation and issue of these stores" (Rogers 1931:53). The first powder storage magazine was completed in 1881 and had a storage capacity of 10,000 pounds (4,500 kilograms) of black powder. With four (4) storage magazines completed by November 1886, the depot received its first shipment of powder (300,000 pounds [135,000 kg]) later that month (Fitch and Glover 1990: B-164; Klein et al. 1986:2-12). To facilitate access to the installation and the general shipment of freight, the Morris County Railroad began building a rail line through the depot in 1886. By 1887, 232 miles (37 km) of track traversed the installation. Later in June 1891, 315 acres (126 ha) of the

original purchase were ceded to the Navy for the establishment of another powder depot known as the Lake Denmark Naval Ammunition Depot (Lake Denmark NAD). This area is now part of Picatinny Arsenal.

Historical development within Picatinny has been concentrated in the areas south and east of Picatinny Lake (Harrell 1996; Rogers 1931:29-31, 58-61, 77). The initial phase of development covers the Depot/Storage period from 1880 until 1907, when powder storage and increasing involvement in the assembly of cannon charges were Picatinny's primary mission. Between 1902 and 1906, armor-piercing shells were assembled at the depot. This process involved filling projectiles with explosives, such as Maximite and Explosive "D" (Fitch and Glover 1990: B-168; Harrell 1996:6; Klein et al. 1986:2-13; Rogers 1931:54). A major change in the installation's mission occurred in 1907 with the construction of the first Army-owned smokeless powder factory. This activity resulted in the re-designation of the depot as Picatinny Arsenal, and marked the beginning of the manufacturing phase, which continued until the early years of World War II (Fitch and Glover 1990: B- 168-169; Klein et al. 1986:2-13; Rogers 1931:54-55). By 1913, the installation was operating a plant for the manufacture of Explosive "D", which was used in armor piercing projectiles. During World War I, the Arsenal saw a rapid development not only of its physical plant around Picatinny Lake, but also of its capacity as a research and administrative installation. The installation staff also provided technical assistance to the private sector producing explosives for the war effort. During the 1920s, munitions experimentation and training had replaced powder production as the installation's mission, foreshadowing the later expansion of the facility into a complete ammunition arsenal (Fitch and Glover 1990: B-170; Harrell 1996:7; Rogers 1931:54-55).

While Picatinny was transforming into a center for explosives R&D, Lake Denmark NAD remained a powder depot. On 10 July 1926 at about 5:15pm, lightning struck Temporary Magazines 8, 9, and 22 at Lake Denmark NAD, causing a series of fires and explosions. The explosions killed 19 people, including 11 Marines fighting the fires, and sent shock waves throughout the Green Pond Brook valley, destroying everything within 3,000-foot (915-meters) of the epicenter (Fitch and Glover 1990: B- 171-174; Klein et al. 1986:2-13; Rogers 1931:Chapter IX). A Naval investigation of the incident led to changes in safety and ammunition storage procedures and standards. The Army's own investigation led to a major overhaul of the Arsenal's facilities as the installation was enlarged for the purpose of consolidating the Army's ordnance activities in northern New Jersey. Devised with the safe handling of explosives as a top priority, plans for rebuilding Picatinny called for dividing the installation into zones based on function or activity (Fitch and Glover 1990: B- 174-176; Klein et al. 1986:2-14; Rogers 1931:94-96).

Between 1927 and 1937 both Lake Denmark NAD and Picatinny were completely rebuilt. With rehabilitation nearly complete in 1931, Picatinny became not only the major ammunition arsenal of the U.S. Army but was an important center of ammunition research, development and manufacturing (Fitch and Glover 1990: B- 177-180; Harrell 1996). While expanding production capabilities to meet the munitions requirements of World War II, Picatinny continued to conduct research on tetryl manufacturing and nitrocellulose powder. During the war, Lake Denmark NAD continued to operate as the Navy's propellant and projectile storage area (Fitch and Glover 1990: B- 179-183).

During the Cold War, Picatinny remained a center for R&D for new weapons systems and advances in the production process. Innovations in production processes had occurred consistently and included the development of the explosive Haleite, and advances in artillery fuses, grenades and pyrotechnics during World War II. These types of innovations increased after the war and included the development of photoflash cartridges and bombs, the study of plastics and adhesives in the packaging of ammunition, the research on warheads for the Nike nuclear missile and other missile programs, and the production of a tank-piercing rocket for the 3.5-inch bazooka and an atomic shell for the 250 mm gun (Fitch and Glover 1990: B- 182-184).

In 1948, Lake Denmark NAD became home to the Navy's east coast rocket engine test center. The facility was called the Naval Aeronautical Rocket Laboratory, but was renamed the Naval Air Rocket Test Station (NARTS) in April 1950. The NARTS was established for the testing and evaluating of "rocket engines, components and propellants, and training service personnel in handling, servicing and operating rocket engines" (Department of the Navy 1997). The Navy subcontracted with private industry to accomplish these goals. Founded in 1941, Reaction Motors, Inc. (absorbed by the Thiokol Corporation in 1958) was one of these companies and their work led to the development of both the XLR-II and the XLR-99 engine. Tested at Lake Denmark, the XLR-99 liquid rocket engine was the first large, throttle-able, re-startable liquid propellant rocket engine. The XLR-99 was used for the X-15, the experimental hypersonic aircraft, and a preliminary design for the Space Shuttle called for its use (Department of the Navy 1997; Harrell 1996:8; Jenkins 1996:9-11, 40; Nolte et al. 1999; Picatinny Arsenal Historical Office 1984:23; Thiokol Corporation 1997; U.S. Naval Air Rocket Test Station, Technical Publications Branch 1950). Later decommissioned by the Navy, the Lake Denmark installation reverted back to Picatinny Arsenal ownership in August 1960.

By 1977, most production of weapons and ammunition had ceased at Picatinny and its activities focused on R&D. Presently, Picatinny Arsenal is known as the Joint Center of Excellence for Armaments and Munitions housing the headquarters for the Armament Research, Development and Engineering Center (ARDEC) under the U.S. Army Research, Development and Engineering Command (RDECOM) and the Joint Munitions & Lethality (JM&L) Life Cycle Management Command (LCMC). RDECOM -ARDEC's mission is "researching and developing armament and weapon systems for a changing Army" (Picatinny Arsenal 2008). A major subordinate command of the Army Materiel Command (AMC), RDECOM is responsible for developing high quality weapons and munitions for U.S. troops. The JM&L LCMC is drawn from the "Ammunition Enterprise" of the Program Executive Officer Ammunition, the Joint Munitions Command and ARDEC and integrates the people, organizations, infrastructure, and processes necessary for the effective life cycle management of conventional munitions for the Warfighter.

### **1.3.1** *Mission Overview*

Picatinny Arsenal has 4 broad missions executed at the installation (also see Sections 1.6 and 3.2.1 of the HPC). These are:

- *Armament research, development and engineering*, performed by ARDEC headquartered at Picatinny and a part of RDECOM;

- *Life-cycle acquisition management*, performed by Program Executive Officers (PEO), Project Managers (PM), and product managers;
- *Base operations and community support*, performed by the Picatinny Arsenal Garrison with support from the U.S. Army Installation Management Command (IMCOM); and
- *Various other military tenant missions*.

Today, over 600 buildings are spread out over the installation's nearly 5,853 acres, making Picatinny Arsenal "the largest Army installation devoted solely to research and development" (STV/Lyon Associates, Inc. 1994:1.2.2).

## 2.0 Statutes and Regulations

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This section provides an overview of the applicable cultural resource management statutes, regulations, memoranda and EOs. As a Federal agency, the Army has management responsibilities concerning the protection and preservation of cultural resources on land which it controls and manages. Pertinent Federal laws and regulations authorizing the Army to undertake these responsibilities include (in chronological order of year passed):

- Antiquities Act of 1906 (16 USC 431-433; 43 CFR 3);
- Historic Sites Act of 1935, as amended (16 USC 461-467);
- NHPA of 1966, as amended through 1992 (16 USC 470) and 36 CFR 800, 60, 63, and 78, which includes the Section 106 and 110 processes;
- NEPA of 1969 (40 CFR Parts 1500-1508);
- EO 11593: Protection and Enhancement of the Cultural Environment (1972);
- AHPA of 1974 (Public Law [PL] 93-291; 16 USC 469-469c);
- AIRFA of 1978, as amended (42 USC 1996-1996a);
- ARPA of 1979 (PL 96-95/16 USC 470aa-470ll; 32 CFR 229, 36 CFR 296, and 43 CFR 7);
- NAGPRA of 1990 (23 USC 3001-3013; 43 CFR 10);
- 36 CFR 79: Curation of Federally-Owned and -Administered Collections (1990);
- EO 13007: Indian Sacred Sites (1996);
- EO 13175: Consultation and Coordination With Indian Tribal Governments (2000);
- EO 13287: Preserve America (2003);
- AR 200-1: Environmental Protection and Enhancement (last modified December 2007);  
and
- DoDI 4715.16: Cultural Resource Management (2008).

Although state and local cultural resource management laws and regulations do not apply to Federal Army property, consultation with the NJ HPO is required by the NHPA and is vital in compliance with the regulations noted above. Full text versions of these regulations are listed below within their applicable sections (via hyperlink to appropriate websites) and can also be

found in the 2009-2013 ICRMP.

## **2.1 ANTIQUITIES ACT OF 1906 AND ARCHEOLOGICAL RESOURCES PROTECTION ACT OF 1979**

The first law to provide protection for archaeological resources was the Antiquities Act of 1906 which designated the National Park Service. This act authorizes protection of all prehistoric and historic sites on Federal land and prohibits the destruction or excavation of such sites without the permission of the agency with jurisdiction over the site(s). For the full text of the act, see: [www.nps.gov/history/local-law/anti1906.htm](http://www.nps.gov/history/local-law/anti1906.htm)

Supplementing and partially superseding the provisions of the Antiquities Act of 1906, ARPA (PL 96-96) prohibits the excavation or removal of any archaeological resources from Federal or Native American lands without a permit. The land manager within the real estate office of the respective U.S. Army Corps of Engineers (USACE) district typically is responsible for issuing such permits. In the case of USAG Picatinny, the New York District of the USACE Real Estate office has permit-issuing responsibilities. Obtaining an ARPA permit does not constitute compliance with Section 106 of the NHPA.

If it appears that individuals or institutions fail to meet or violate the conditions of the permit, Federal land managers must suspend the permit and investigate the reputed violation. Violations of the Act include stiff financial penalties and jail. For the full text of the act, see: [http://www.nps.gov/history/local-law/FHPL\\_ArchRsrcsProt.pdf](http://www.nps.gov/history/local-law/FHPL_ArchRsrcsProt.pdf).

## **2.2 HISTORIC SITES ACT OF 1935, AS AMENDED**

The Historic Sites Act declares a national policy to maintain “for public use historic sites, buildings, and objects of national significance” providing a basis for landmarks and preservation spaces (16 USC 461, Section 1). The act bestows a basis for the National Historic Landmarks Program, and documentation of the Historic American Buildings Survey (HABS), Historic American Engineering Record (HAER), and Historic American Landscapes Survey (HALS) records kept at the Library of Congress. For the full text of the act, see: [http://www.nps.gov/history/local-law/FHPL\\_HistSites.pdf](http://www.nps.gov/history/local-law/FHPL_HistSites.pdf).

## **2.3 NATIONAL HISTORIC PRESERVATION ACT OF 1966, AS AMENDED**

NHPA, the primary Federal historic preservation statute, establishes Federal policy for the protection and preservation of historic properties and values. Section 301 of the NHPA defines a *historic property* as any prehistoric or historic district, site, structure, building, or object in, or eligible for inclusion in the NRHP, including artifacts, records, and material remains related to the property. The act asserts the NRHP as the country’s catalog of historic properties significant on a local, state, or national level, and provides the foundation of the nation’s historic preservation program. Subsequent amendments delegated the State Historic Preservation Officer (SHPO) with the responsibility for administering programs in the states.

For a historic property to be considered eligible to the NRHP it must be evaluated within its applicable research context and theme, and shown to be significant for one (1) or more of the four (4) Criteria for Evaluation (36 CFR 60) listed below:

- Criterion A- Event- Properties associated with events that have made a significant contribution to the broad patterns of our history;
- Criterion B- Person- Properties associated with the lives of persons significant in our past;
- Criterion C- Design/Construction- Properties embodying the distinctive characteristics of a type, period, or method of construction, or representing the work of a master, possessing high artistic values, or represent a significant and distinguishable entity whose components may lack individual distinction; and
- Criterion D -Information Potential- Properties that have yielded, or may be likely to yield, information important in prehistory or history.

For a more detailed discussion of these criteria consult various National Park Service (NPS) National Register Bulletins (NRB) 15, 16A, 24, 36, 39, etc. <http://www.nps.gov/history/nr/publications/>.

All the criteria should be applied to each historic property evaluated at the installation. The information yielded must be evaluated within an appropriate context and how the potential information will affect the definition of the context. The sources of appropriate historic contexts include the state planning process, but may include other well formed designs to contribute to theoretical or substantive knowledge (Butler 1987). Federal agencies, including the U.S. Army, are required to consider the effects of their undertakings on historic properties, and to give the ACHP and the SHPO a reasonable opportunity to comment on those undertakings. Section 402 of the NHPA describes the Federal agency responsibilities for historic properties in other nations and requires the head of the agency to take into account the effect of an undertaking on property which is on the World Heritage List or *on the applicable country's equivalent of the NR* to avoid or mitigate any adverse effect (NRHP). For the full text of the act, see: <http://www.achp.gov/NHPA.pdf>.

### **2.3.1**      *Section 106*

Section 106 of the NHPA requires the consideration of effects of activities classified as undertakings on historic properties included in, or eligible for inclusion in, the NRHP. The implementing regulation for Section 106 is 36 CFR 800, *Protection of Historic Properties; Final Rule* (revised 64 *Federal Register* [FR] 27044-27084, 18 May, 1999, effective 17 June, 1999; and 65 FR 77698-77739, 12 December, 2000, effective 11 January, 2001).

In particular to USAG Picatinny, the recently implemented HPC regulates Section 106 undertakings and its accompanying SOPs to manage and complete projects accordingly. See Chapter II for the full text version of the HPC. The HPC SOPs outline a step-by-step process for complying with Section 106, resolving possible conflicts between a proposed action and historic preservation objectives, and identifies the various participants in the process including interested and consulting parties. Additionally, DoDI 4715.16 outlines procedures for complying with 36

CFR 800. For the full text of the Section 106 regulations, see: <http://www.achp.gov/regs-rev04.pdf>.

### **2.3.2**      *Section 110*

Section 110 of the NHPA describes Federal agency responsibilities regarding historic properties owned or controlled by the agency and requires the integration of preservation considerations into agency programs. This section specifies that agencies must designate historic preservation officers, and identify, evaluate and nominate eligible properties for listing to the NRHP, although no compliance deadline has been established for the requirement. DoDI 4715.16, this document and the HPC help satisfy this requirement.

The implementing guidance for Section 110 is 53 FR 4727-46. These guidelines, prepared by *the Secretary of the Interior*, in consultation with the ACHP, detail procedures for establishing, monitoring, reviewing and evaluating programs established by Federal agencies. It also requires agencies to identify, evaluate, register and protect properties of “historic, archeological, architectural, engineering, or cultural significance”. The intent of the step-by-step *Section 110 Guidelines* is the integration of historic preservation responsibilities into Federal agency programs and plans. For the full text of the Section 110 regulations, see: <http://www.nps.gov/history/fpi/Section110.html>.

### **2.3.3**      *Public Involvement*

The goal of public involvement within the NHPA is to provide the adequate opportunity for members of the community to learn about and provide comment on cultural resource activities and policies conducted under the jurisdiction of the Federal agency. Due to the installation and region’s rich cultural heritage, USAG Picatinny, as a whole, needs to heighten military and public awareness of historic preservation, cultural resources, and their overall management as a cooperative goal. Coordination with the Public Affairs Officer (PAO) can assist with the dissemination of such information, help in locating historic information concerning specific sites or activities, and may assist in developing interpretive programs.

Based on 36 CFR 800 as well as ACHP guidance, the specific foundation of public involvement is as follows:

- the views of the public are essential to informed Federal decision making in the Section 106 process. The agency official shall seek and consider the views of the public in a manner reflecting the nature and complexity of the undertaking and its effects on historic properties, the likely interest of the public in the effects on historic properties... (800.2(d)(1);
- the agency official must, except where appropriate to protect confidentiality concerns of affected parties, provide the public with information about an undertaking and its effects on historic properties and seek public comment and input (800.2(d)(2);

- the agency official may use the agency's procedures for public involvement under the NEPA or other program requirements in lieu of public involvement requirements in subpart B of this part, if they provide adequate opportunities for public involvement consistent with this subpart (800.2(d)(3) (2002; <http://www.achp.gov/pubs-citizensguide.html>).

The ACHP recommends this process proceed through chronological steps beginning with determining the extent of required public participation. No specific arrangements need be made if prior programmatic coordination has shown there are no public concerns or if the effect on historic properties is minor. In other cases, such as those affecting prehistoric sites or structures on the fringe of the installation, direct public participation may be necessary. Additionally, public involvement plans should incorporate the requirements of all applicable laws such as NEPA. Continuing this process, the CRM must identify potential participants including municipal and county officials, local historical societies or neighborhood groups, or Indian tribes if prehistoric resources are involved. The NJ HPO can also assist the Army in identifying potential participants.

Once the potential participants have been identified, the CRM should seek information from parties with concerns. Local historical societies, for example, can be contacted regarding information on the developmental impacts and early history of the installation, on specific structures, or on the area in general. These parties should then be involved in the review process. This entails coordinating identification and evaluation, effect determinations, and particularly adverse effects where interested persons can participate in consultation regarding ways to avoid or reduce effects. The basis for involving the public in effect issues is found in 36 CFR 800.6(a)(4):

The agency official shall make information available to the public, including the documentation specified in 800.11(e), subject to the confidentiality provisions of 800.11(c). The agency official shall provide an opportunity for members of the public to express their views on resolving adverse effects of the undertaking. The agency official should use appropriate mechanisms, taking into account the magnitude of the undertaking and the nature of its effects upon, the likely effects and the relationship of the Federal involvement to the undertaking to ensure the public's views are considered in the consultation of historic properties. The agency official should also consider the extent of notice and information concerning historic preservation issues afforded the public at earlier steps in the Section 106 process to determine the appropriate level of public involvement when resolving adverse effects so the standards of 800.2(d) are met.

Lastly, the ACHP recommends the Army report the conclusions of Section 106 review to interested persons. Documentation of the public participation process is important particularly if litigation were to occur. The documentation should include the steps taken to involve the public along with summaries of meetings or correspondence. Note this documentation is not required in cases where no historic properties are identified or if the undertaking will have no effect or impact.

In summary, the general steps undertaken within the public participation process are:

- determine the extent of public participation needed;
- identify potential participants;
- seek information;
- coordinate with interested parties; and
- document the public participation efforts.

## **2.4 NATIONAL ENVIRONMENTAL POLICY ACT OF 1969, AS AMENDED**

NEPA mandates Federal agencies prepare a REC, Categorical Exclusion (CE), an EA, or an Environmental Impact Statement (EIS) for every major action affecting the quality of the environment, including cultural and natural resources, as well as any effects on Native American groups or other social and ethnic communities to whom cultural resources may be important. The SOPs within the HPC integrate the Section 106 process into NEPA RECs, EAs, and EISs through documentation known as a Record of Historic Property Consideration (RHPC; Section 6 of the HPC).

The NEPA decision-making process "provides for a systematic consideration of alternatives and an examination of the direct, indirect, and cumulative environmental impacts associated with implementation of a proposed action" (AR 200-1). The act also provides for public participation in the process. NEPA is implemented by 40 CFR Parts 1500 through 1508. For the full text of the act, see: <http://www.epa.gov/compliance/nepa/index.html>.

## **2.5 EXECUTIVE ORDER 11593**

Issued on 13 May, 1971, EO 11593 (Protection and Enhancement of the Cultural Environment) requires installations to locate, inventory, preserve and maintain, and nominate all sites, buildings, districts, and objects under their jurisdiction or control that appear to be eligible for listing in the NRHP. EO 11593 also requires installations to initiate measures and procedures to provide for maintenance, rehabilitation, or restoration of historic properties using professional standards prescribed by the Secretary of the Interior. Much of this EO has been incorporated into the NHPA during subsequent amendments. For the full text of the EO, see: <http://www.archives.gov/federal-register/codification/executive-order/11593.html>.

## **2.6 ARCHAEOLOGICAL AND HISTORIC PRESERVATION ACT OF 1974**

AHPA amended the Reservoir Salvage Act (PL 86-523) which applies to all Federal construction or Federally assisted activities. Whenever an agency receives information that a direct or Federally-assisted activity could cause harm to prehistoric or historic period archaeological data, the act allows the use of Federal funds to pay for work to salvage the data, including the survey, recovery, preservation and protection of archaeological, prehistoric, historic and scientific data. For the full text of the act, see: [http://www.nps.gov/history/local-law/FHPL\\_ArchHistPres.pdf](http://www.nps.gov/history/local-law/FHPL_ArchHistPres.pdf).

## **2.7 AMERICAN INDIAN RELIGIOUS FREEDOM ACT OF 1978**

AIRFA (PL 95-341) establishes Federal policy the protection and preservation of the rights of Native Americans, Eskimos, Aleuts, and Native Hawaiians to religious expression and freedom, including access to sacred sites and those of religious importance. The act mandates Federal agencies to evaluate their policies and procedures in consultation with these groups, to foster the protection and preservation of their cultural and religious practices. For the full text of the act, see: [http://www.nps.gov/history/local-law/FHPL\\_IndianRelFreAct.pdf](http://www.nps.gov/history/local-law/FHPL_IndianRelFreAct.pdf).

## **2.8 NATIVE AMERICAN GRAVES PROTECTION AND REPATRIATION ACT OF 1990**

NAGPRA (PL 101-601) requires all Federal agencies to inventory human remains, funerary objects, and cultural items in their possession and to repatriate these materials, on request, to the culturally affiliated Native American tribe. NAGPRA also makes illegal the sale and traffic in Native American human remains. Further, the act requires agency consultation with appropriate Native groups prior to excavation of funerary and sacred objects, items of cultural patrimony, and human remains. For the full text of the act, see: [http://www.nps.gov/history/local-law/FHPL\\_NAGPRA.pdf](http://www.nps.gov/history/local-law/FHPL_NAGPRA.pdf).

## **2.9 CURATION OF FEDERALLY OWNED AND ADMINISTERED COLLECTIONS**

These regulations (36 CFR 79) detail the maintenance and management requirements of archaeological collections and associated records. 36 CFR 79 defines an archaeological collection as material remains excavated or removed during a survey, excavation, or other study of a prehistoric or historic resource and associated records prepared or assembled in connection with the survey, excavation, or other study. This regulation stipulates items should be handled, stored, cleaned, and conserved (and if exhibited, protected and preserved) in an appropriate manner. Data associated with the collection (fieldnotes, artifact lists, site forms, photographs, slides, computer disks, and a copy of the final report) also should be curated in an appropriate manner.

USAG Picatinny stores its archaeological collections on base within a set aside room of the Environmental Affairs Division (EAD) that includes the appropriate heating, ventilation, and cooling conditions, along with fire protection for its archival files. A collections management plan was written in 2011 for the storage of these collections in this space. For the full text of the regulation, see: <http://www.nps.gov/archeology/tools/36cfr79.htm#794>.

## **2.10 EXECUTIVE ORDER 13175**

EO 13175 and its preceding memorandum concern relations between the U.S. and Federally recognized Native American Tribal governments and reiterates the relationship is one of "government-to-government." The relationship applies to interactions between the installation and Federally recognized tribes, and should be carried out between the GC and the respective head of the tribal government. For the full text of the EO 13175, see <http://www.gsa.gov/portal/content/101569> or the memorandum, see: [http://www.usdoj.gov/archive/otj/Presidential\\_Statements/presdoc1.htm](http://www.usdoj.gov/archive/otj/Presidential_Statements/presdoc1.htm).

## **2.11 EXECUTIVE ORDER 13007**

EO 13007 stipulates the installation "to the extent practicable, permitted by law and not clearly inconsistent with essential agency functions, must provide access and ceremonial use of Native Americans sacred sites, avoid adversely impacting those sites, and maintain confidentiality of sacred site locations" (former Department of the Army [DA] Pamphlet 200-4 1998:10-11). The EO mandates sacred sites on Federal land be protected and preserved, and requires procedures for consultation with appropriate Native American tribes and religious leaders be developed. For the full text of the EO, see: <http://www.achp.gov/EO13007.html>.

## **2.12 EXECUTIVE ORDER 13287**

EO 13287 addresses the condition and state of Federal historic properties and their overall contribution to local economic development. The EO reaffirms the government's responsibility to show leadership in preserving heritage by "actively advancing the protection, enhancement, and contemporary use of historic properties...and by promoting intergovernmental cooperation and partnerships for the preservation and use of historic properties." The EO is part of a broader Administration initiative, "Preserve America," to promote the preservation and productive use of the nation's heritage assets (ACHP 2007; <http://www.achp.gov/pubs-eoreport.html>).

## **2.13 ARMY REGULATION 200-1**

AR 200-1, "Environmental Protection and Enhancement", 27 December 2007, specifies the Army's policies, procedures, and responsibilities for meeting the compliance requirements of NHPA, AIRFA, ARPA and AHPA, NAGPRA, EO 13007 and 13175 and their implementing regulations. These requirements are briefly summarized in Chapter 6 of the AR itself. These policies and procedures are prescribed to ensure the management of cultural resources does not interrupt or slow the military mission. AR 200-1 mandates the preparation of this ICRMP, which must be maintained on a regular basis and reviewed annually by the CRM and updated as the installation's mission or environmental changes warrant.

The regulation stipulates a process must be established that "effects early coordination between the CRM and all staff elements, tenants, proponents of projects and actions, and other affected stakeholders to allow for proper identification, planning, and programming for cultural resource requirements" (AR 200-1 2007: 29). For the full text of AR 200-1, see: [http://armypubs.army.mil/epubs/pdf/r200\\_1.pdf](http://armypubs.army.mil/epubs/pdf/r200_1.pdf).

## **2.14 DEPARTMENT OF DEFENSE INSTRUCTION 4715.16**

DoDI 4715.16, "Cultural Resource Management", 18 September 2008, establishes policy to "manage and maintain cultural resources under DoD control through a comprehensive program that considers the preservation of historic, archaeological, architectural, and cultural values; is mission supporting; and results in sound and responsible stewardship" (2). This policy ensures the ICRMP is fully coordinated with other installation management plans and master plans including the training and test range management plan, integrated pest management plan, grounds maintenance plan,

facilities construction site approvals, and other various land use activity plans.

Lastly, the policy requires each DoD installation use an approach including an assessment of the military mission; preparation of detailed inventories of cultural resources; analysis and assessment of risk to the cultural resources as needed for each project; preparation and implementation of management plans; monitoring and assessment of results; completion of needs assessment survey; maintain currency of cultural resources; and adjustments to the overall program as necessary and needed (7-8). For the full text of DoDI 4715.16, see: <http://www.dtic.mil/whs/directives/corres/pdf/471516p.pdf>.

## **2.15 OTHER ENCOMPASSING REGULATIONS**

### **2.15.1** *Americans with Disabilities Act of 1990 and Public Law 90-480*

These laws have applicability for historic properties management especially in regards to providing access to historic structures, while preserving and protecting the character-defining qualities of the structures themselves. Most historic structures were not constructed to be readily accessible by persons in wheelchairs or with other special needs. The Americans with Disabilities Act (ADA) establishes a national mandate prohibiting discrimination against individuals with disabilities. Moreover, the act sets standards to address discrimination and ensures a central role for the Federal government in enforcing these standards. While some state and Federal laws now require buildings to be accessible, the most comprehensive document is the ADA, which established access as a civil right. The threshold at which requirements for accessibility must be met may vary by code and by the scope of a project being undertaken. Additionally setting standards for physical access within PL 90-480 requires newly constructed structures to be accessible by individuals with disabilities. For additional information on the ADA and guidelines for implementing it, see: <http://www.usdoj.gov/crt/ada/adahom1.htm>.

DA Regulations “requires that both buildings and sites of public accommodations be evaluated to determine if accessibility barriers exist.” The evaluation will consider an array of features including building and site entrances, surface textures, widths and slopes of walkways, parking, grade changes, weight, size and configuration of doorways, interior corridors and path of travel restrictions, elevators, and public toilets and amenities. This evaluation is often done as part of a complete accessibility survey of the building. Required improvements are detailed in local, state or Federal regulations, and most comprehensively in the Americans with Disability Act Accessibility Guidelines (ADAAG). Other accessibility regulations can be found in the Architectural Barriers Act of 1968 and Section 504 of the Rehabilitation Act of 1973 (<http://www.makoa.org/gov/g15.htm>).

### **2.15.2** *New Jersey Freshwater Wetlands Protection Act (Statutes Annotated 13:9B)*

The State of New Jersey protects wetlands under the Freshwater Wetlands Protection Act, New Jersey Statutes Annotated (NJSA) 13:9B. One of the natural constraints to land use planning and site development are the locations of wetlands, their transitional zones (“buffers”), and associated endangered species habitat. Within the State Department of Environmental Protection (NJ DEP), Land Use Regulation Program, the NJ HPO can also provide advice and comment for

wetland areas in relation to an archaeological review where a site is likely to have archaeological resources. This review process falls under NHPA, Section 106 and may also require an archaeological survey, if warranted.

NJSA 13:9B defines a freshwater wetland as an:

area that is inundated or saturated by surface water or groundwater at a frequency and duration sufficient to support, and that under normal circumstances does support, a prevalence of vegetation typically adapted for life in saturated soil conditions, commonly known as hydrophytic vegetation; provided, however, that the department, in designating a wetland, shall use the three-parameter approach (i.e. hydrology, soils and vegetation) enumerated in the April 1, 1987 interim-final draft "Wetland Identification And Delineation Manual" developed by the United States Environmental Protection Agency.

Using National Wetland Inventory mapping, as well as various planning level surveys, including a comprehensive USACE Waterway Experiment Station (WES) study conducted in 1994, it is estimated approximately 1,250 acres of wetlands exist across the installation. Because wetland size and location has been estimated by National Wetland Inventory mapping, site-specific jurisdictional delineations are needed to assess the actual extent of wetlands. Wetlands at Picatinny are primarily composed of muck and peat formed in poorly drained glacial soils (Appendix H of the HPC). These areas include freshwater marshes (defined as wetland systems dominated by herbaceous cover) and freshwater swamps (defined as wetlands with a prominent over-story). Most of the wet areas are located in the Green Pond Brook flood plain at the southern end of the installation. Overall, this area has been highly disturbed in the past and the southernmost 5,000 ft of Green Pond Brook runs through floodplain wetlands have been drained by a series of constructed drainage ditches. These areas also contain a network of upland areas created from fill material provided sites for buildings, railroad beds, roadways, parking areas, and work areas. A second major flood plain wetland is located in the vicinity of Burnt Meadow Brook north of Lake Denmark. Other smaller wet areas occur as narrow fringes along lakes, streams, and seepages.

Depending on the circumstances, construction or other disturbance within the transitional buffer can require NJDEP wetland permitting, a mitigation plan, stream encroachment permitting, NJ HPO consultation, archaeological review and/or survey, and/or U.S. Fish and Wildlife Service consultation. For further information, see <http://www.state.nj.us/dep/landuse/index.html>; <http://www.state.nj.us/dep/landuse/lawsregs.html>; and <http://www.state.nj.us/dep/rules/notices/090407a.html>.

### 3.0 Management Objectives

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The basic objectives of this ICRMP and its accompanying HPC are to integrate the legal requirements for historic preservation with the planning, construction, and other mission-essential activities, as well as Real Property (RP) and land use decisions at USAG Picatinny. Specifically, these objectives are:

- *compliance with Federal preservation laws*- the installation complies with all laws and regulations pertaining to the identification, management, and preservation of cultural resources (Section 2 of this document and Section 1.2 of the HPC);
- *locate, evaluate, and protect archaeological, historical, and sacred sites*- the CRM must identify and protect all classes of cultural resources on the installation (Section 1.1), in order to comply with the laws and regulations noted in Section 2 of this document.
  - The CRM must first determine if the proposed action is an undertaking and then determine the *Area of Potential Effect* (APE; SOP 1.2 of the HPC). APE means the geographic area or areas within which an undertaking may directly or indirectly cause alterations in the character or use of historic properties, if any such properties exist (SOP 3 of the HPC).
  - The CRM must then apply the criteria of effect to determine whether the undertaking(s) will adversely affect historic properties (SOP 4 of the HPC). *Historic properties* are any prehistoric or historic district, archaeological site, building, structure, or object included in, or eligible for inclusion in, the NRHP. This term also includes artifacts, records, and remains related to and located within such properties (as defined by AR 200-1);
- *contribute to the body of knowledge*- valuable contributions to the regional cultural resources database can be achieved through the analysis and synthesis of data collected at the installation. The dissemination of information on areas that have previously not been included in the regional contexts adds to the richness and viability of data;
- *efficient management techniques*- conserve funds through the employment of efficient management techniques and the initiation of mission-oriented evaluation procedures for archaeological sites, cultural resources and other historic properties (Section 5 and the SOPs of the HPC). The practicalities of accomplishing this will require the CRM to be creative in the use of funds and time;
- finally, the CRM must consult in a timely manner with the NJ HPO concerning all undertakings having the potential to adversely affect historic properties- see Section 6 of the HPC for the SOPs for consulting with the NJ HPO in accordance with the implementation of AAP to 36 CFR 800;

### **3.1 UNDERTAKINGS AND ACTIVITIES**

*Undertakings* are a project, activity, or program funded in whole or in part under the direct or indirect jurisdiction of a Federal agency, including those carried out by or on behalf of a Federal agency; those carried out with Federal financial assistance; those requiring a Federal permit, license or approval; and those subject to state or local regulation administered pursuant to a delegation or approval by a Federal agency.

For the most up-to-date list of examples of undertakings see Sections 1.7, 3 and 4, along with SOP 1 of the HPC. Undertakings are requested through Service Orders or Individual Job Orders (IJO) submitted to Maximo and the Picatinny Environmental Management System (PEMS). This list includes:

- construction, demolition, rehabilitation and/or renovation of buildings;
- construction of any kind involving ground disturbance;
- utility systems installation, repair, or upgrade including construction work;
- landscaping;
- hazardous material cleanup/remediation, including UXO surveys;
- forestry activities and wetlands mitigation;
- property leases, transfers, and exchanges;
- military training; and
- any other construction/work projects involving ground disturbances or building improvements not mentioned above.

If a specific project type is not listed here, consultation with the CRM must occur to determine the potential for effects on cultural resources.

### **3.2 INTERNAL COORDINATION ROLES AND RESPONSIBILITIES**

#### **3.2.1 *Installation Mission***

See Section 1.6 of the HPC for the most up-to-date description of USAG Picatinny's mission and tenants.

#### **3.2.2 *Installation Responsibilities***

AR 200-1 and DoDI 4715.16 establish the requirements installations should follow pertaining to cultural resource management and preservation of historic properties. See Section 1.8 of the HPC for the USAG Picatinny's various roles and responsibilities according to these regulations.

Finally, the installation must ensure all hard copy and electronic documents, reports, and maps are prepared pursuant to this ICRMP do not contain locational or otherwise sensitive data if they are to be released to the public. In accordance with AR, ARPA and NAGPRA, all hard copy and electronic records contain information regarding the location or character of archeological sites and related resources at all installations shall not be released to the public if

disclosure of such information could entail a considerable risk of harm, theft, or destruction to the resources or to the area where the resources are located. Therefore, all maps within this ICRMP are sensitive information and are not to be released to the public without further knowledge to the installation.

Overall, coordination and consultations impacting the overall Picatinny mission must be identified as a priority and addressed early to avoid impacts to readiness. Coordination with the Directorate of Public Works (DPW) and the Environmental Affairs Division (EAD) is essential by all installation organizations during the review of any ground-disturbing action or building modification activities (as referenced above through PEMS). This organization acts as a conduit for all activities and/or actions that may require NEPA and NHPA Section 106 compliance.

### **3.3 ARMY GOALS FOR CULTURAL RESOURCE MANAGEMENT**

The Army's vision statement for their historic preservation program is to "be a national leader in historic preservation through stewardship of our most significant\_Historic properties and protection of the Nation's heritage" (Foster 2006; [http://denix.osd.mil/cr/upload/FOSTER\\_PRESENTATION\\_0.PDF](http://denix.osd.mil/cr/upload/FOSTER_PRESENTATION_0.PDF)). This program and its Campaign Plan is managed by the Assistant Secretary of the Army for Installations & Environment (ASA (I&E)) and "focuses on both present and future Army NHPA requirements, operational integration, balanced stewardship, and cost-effective management" (Foster 2006).

The Office of the Assistant Chief of Staff for Installation Management (ACSIM) is the Army staff proponent for the tracking of the Cultural Resource Management Program Directive. To effectively manage cultural resources, this management is split into four (4) lines of business: archaeological site protection, historic building preservation, Native American affairs, and ICRMP planning. ACSIM, along with the Army Environmental Command (AEC) and Installation Management Command (IMCOM), manage the Army's mission goals, and the overall assessment of the installations' historic properties and cultural resources. To note, USAG Picatinny is within the Atlantic region of the IMCOM Garrison reporting system. Metrics of historic properties and cultural resource management requirements are tracked at a higher-headquarters level through various database outlets within the Environmental Performance Assessment System (EPAS). These database outlets and reporting mechanisms are used for upward tracking of cultural resource requirements and help manage the status of various aspects of cultural resource management for the Base Operations Common Levels of Support (CLS). The outcomes and results of these reporting systems are documented with adjustments annually for continual improvement at both the installation and DA levels.

#### **3.3.1 *Real Property Assets***

RP on Army lands

consists of lands [including testing and training acreages] and improvements to land, buildings, and structures, including improvements and additions, and utilities...includ[ing] equipment affixed and built into the facility as an integral part of

the facility (such as heating systems), but not movable equipment (such as plant equipment). In many instances, this term is synonymous with ‘real estate’ (ACSIM 2007).

Also, included within this definition are bridges, dams, signage, monuments and memorials, cemeteries, flagpoles, industrial waste treatment areas and septic tank drain fields, sewage lift stations, playgrounds and court areas, antennas, etc.

Army installations categorize by code the RP Asset’s historic status into the following:

- Individual National Historic Landmark (NHLI);
- Individual National Register Listed (NRLI);
- Individual National Register Eligible (NREI);
- Non-Contributing Element of NHL, NRL, NRE District (NCE);
- Determined Not Eligible (DNE);
- Not yet Evaluated (NEV);
- NHLI, NHLC, NREI, or NREC National Register Property- Designation rescinded (DNR);
- Contributing Element of a NHL District (NHLC);
- Contributing Element of a NRL District (NRLC);
- Contributing Element of a NRE District (NREC); and
- Eligible for the purposes of a Program Alternative (ELPA).

To note, prior building and structure lists within previous ICRMPs were not synchronized with RP systems and therefore were lacking substantial identification and data. Overall, based on early Arsenal records, DPW RP research, and ongoing NHPA Section 106 assessments and surveys since the early 1980s, the buildings and structures lists presented within Appendix E are continuously updated and have been organized into an Historic Building Assessment Catalog listing *all* of the existing buildings, associated RP assets- consisting of utilities (above and below ground), court areas and other related visual and reportable features (sewage areas, land, etc.), and known demolished RP with documentation and/or interview confirmation (Arsenal Facilities and Equipment Division 1968). This reorganization occurred due to the installation’s unique history in relation to its military industrial areas and past operations that have ultimately led to contamination throughout many buildings resulting in abandoned, vacant, and closed areas and a placement on the National Priority Listing for Federal Facilities. In general, by reorganizing and redeveloping this list, a more historic, evolutionary and developmental picture is now possible for each industrial area than presented in prior ICRMPs and cultural resource management reports. Additional regulatory and RP compliance information can be found in EO 13327, “Federal Real Property Asset Management”.

### **3.3.2 Residential Communities Initiative**

USAG Picatinny signed into a programmatic agreement (PA) with the NJ HPO and ACHP in 2004 for the Military Housing Privatization Initiative (P.L. 104-106, 110 Stat. 544, Title XXVIII, Subtitle A, Section 2801) for privatizing its family housing. Therefore, all

family housing buildings at Picatinny are no longer the property of the Army, whereas their surrounding land is leased. This initiative is being managed by Balfour Beatty Communities (see Appendix G of the HPC).

### *3.3.3 Real Property Master Plan and Facility Reduction Program Programmatic Agreement*

In particular to construction and demolition projects managed by the Real Property Master Plan (RPMP) and the Facility Reduction Program (FRP), USAG Picatinny developed a PA with the NJ HPO and the ACHP to streamline Section 106 consultations for RPMP Projects and FRP structure demolitions offering a better understanding of how RPMP actions potentially have adverse effects upon historic properties (herein referred to as the RPMP FRP PA).

This PA allows for USAG Picatinny to streamline consultations for RPMP projects (at that time totaling 37 projects) and FRP structure demolitions (currently totaling over 150 buildings and structures remaining from an original list of over 300 RP assets). In order to meet the PA, USAG Picatinny must adhere to the following stipulations:

1. installation of historic district signage for the Administration and Research Historic District, 600 Ordnance Testing Area Historic District, Naval Air Rocket Test Stand (NARTS) Test Area D Historic District, and the 1500 Area Rocket Test Area Historic District – completed March 2012;
2. development of a temporary museum exhibit of display text boards (located at Bldg 1) to travel within the state for approximately two (2) years – pending display and setup at eight (8) different locations;
3. perform a Cultural Landscape Analysis (CLA) of the Arsenal to include documentation and mapping of the steamlines to demonstrate a comparison of the lines to remain existing versus the lines to be demolished as described within the FRP. Documentation from this CLA will be incorporated into USAG Picatinny’s Installation Design Guide (IDG) once revised (pending revisions 2014) – pending draft report and NJ HPO review;
4. development of a Internet-ready, multi-media historic narrative presentation (to be posted on a stand-alone website) providing further research and background on the history of Cold War era rocket production at Picatinny Arsenal to include the relationship between the NARTS Test Areas D & E Historic Districts and the 1500 Area Rocket Test Area Historic District – completed October 2012;
5. re-evaluate each of the NR-eligible historic districts *at the completion of the entire RPMP and FRP Projects within the respective historic district*;
6. rehabilitation and adaptive reuse projects for NR-eligible historic properties shall conform to *the Secretary of the Interior’s Standards for the Treatment of Historic*

*Properties, with Guidelines for Preserving, Rehabilitating, Restoring and Reconstructing Historic Buildings;*

7. structures not previously assessed for a determination of NR-eligibility shall be evaluated;
8. development of a viewshed analysis (by GIS mapping) to identify significant views surrounding the following NR-eligible historic districts- the Administration and Research Historic District, 600 Ordnance Testing Area Historic District, NARTS Test Area D Historic District, and the 1500 Area Rocket Test Area Historic District – completed December 2010;
9. document the need for Phase I Cultural Resource Surveys as needed for RPMP projects; and
10. determine cultural resource effects, if any, for all RPMP Project and FRP structure demolitions project changes and additions that were not discussed during consultation for the PA.

This PA will be a legal driver for all RPMP FRP actions across USAG Picatinny for the next 5 yrs (set for expiration and renewal in 2015). USAG Picatinny submitted the CY 2013 Status Report in January 2014 to the Consulting Parties for the RPMP FRP PA.

### **3.4 EXTERNAL COORDINATION**

The key to a successful balance of mission requirements and historic preservation compliance and management responsibilities is early planning and coordination to prevent conflicts. See Section 1.9.1 of the HPC for a list of the consulting parties that USAG Picatinny consults with.

#### **3.4.1 *Native American Graves Protection and Repatriation Act (NAGPRA) Coordination***

This section includes the provisions of NAGPRA (PL 101-601; 25 USC 3013); U.S. Army Guidelines for Consultation with Native Americans, Native Alaskans, and Native Hawaiians; and as amended 43 CFR Part 10, NAGPRA Regulations. NAGPRA mandates Federal land managers must consult with Federally recognized Indian tribes regarding planned excavations on Federal lands, and establishes procedures Federal agencies must follow in the event of inadvertent discovery of Native American human remains and cultural items. It is important to note NAGPRA applies only to human remains culturally associated with a modern Native American group, and not identified as the remains of a historic settler, murder victim, or like individual. The statute provides a mechanism for determining the disposition for such human remains or cultural items. NAGPRA also forbids the sale of Native American human remains or of cultural items obtained in violations of the statute.

Prehistoric materials have been identified within the installation; however the likelihood

of uncovering Native American burials at Picatinny Arsenal is low. If burials are uncovered, AR 200-1 and DoDI 4715.16 states the GC must ensure that intentional excavation and response to any inadvertent discovery of NAGPRA-related cultural items be carried out in compliance with all applicable statutory and regulatory requirements of NAGPRA, ARPA, and the NHPA. Compliance with one statutory requirement, therefore, may not satisfy other applicable requirements. All installation activities will strictly avoid the disturbance of human burials, whether marked or unmarked. In all instances where avoidance is not possible, the installation shall consult, as outlined by NAGPRA, with the Native American tribes culturally affiliated with the remains or items on a case-by-case basis. Under no circumstances will any project-related activity be allowed to proceed if it will intentionally disturb a known burial and/or sacred site until such time as consultation between the installation and the involved Native American tribes is completed in accordance with 25 USC 3002(d), Sec. 3.

In accordance with 43 CFR Part 10.3 and DoDI 4715.16, the GC shall take reasonable steps to determine whether a planned activity may result in the intentional excavation or inadvertent discovery of cultural items from the installation. When it is determined these cultural items, which are covered under NAGPRA as determined by the installation in consultation with Native American representatives, may be encountered, and, prior to issuing approval to proceed with the activity, the GC shall carry out the consultation procedures and planning requirements at 43 CFR Parts 10.3, 10.4, and 10.5 as part of the intentional excavation or inadvertent discovery of cultural items, a written plan of action must be prepared in accordance with 43 CFR Part 10.5(e).

In accordance with 43 CFR Part 10.5(e), the intentional excavation of human remains, funerary objects, sacred objects, or objects of cultural patrimony from Federal or tribal lands (after November 16, 1990) is permitted only if:

1. the objects are excavated or removed following the requirements of ARPA and its implementing regulations; and
2. The objects are excavated after consultation with, or in the case of tribal lands, with the consent of, the appropriate Native American tribe(s) or Native Hawaiian organization pursuant to 43 CFR Part 10. The disposition of the objects is consistent with their custody as described in 43 CFR Part 10.6. Proof of the consultation or consent is shown to the Federal agency GC or other official (the CRM) responsible for the issuance of the required permit.

If the inadvertent discovery occurred in connection with an ongoing activity at the installation, the person providing the initial notice described above must stop the activity in the area of the inadvertent discovery and make a reasonable effort to protect the human remains, funerary objects, or objects of cultural patrimony.

Upon having received notification of the actual or potential disturbance or the discovery of a human burial site, human remains, or burial/sacred goods, the installation shall, as soon as possible, but no later than 3 working days after receipt of the notification report the receipt of such notification by telephone, with written confirmation, to the appropriate Native American tribal contact, NJ HPO and the ACHP. The notification shall include pertinent information as to

the kinds of human remains, funerary objects, sacred objects, or objects of cultural patrimony inadvertently discovered their condition, and the circumstances of their findings. Also see Section 5.1.2 of the HPC for the management goals of TCPs.

In particular to this and as an update to Section 1.9.1 of the HPC, USAG Picatinny identified through recent reports that the Keweenaw Bay Community of Indians in Michigan and the Eastern Shawnee Tribe of Oklahoma have recently become listed as Federally recognized Tribes and have expressed interest in the Picatinny region. As a result, these Tribes and the others cited in Section 1.9.1 of the HPC have been invited into government-to-government consultation with USAG Picatinny per AR 200-1 and EO 13175.

### **3.5. EVALUATING CULTURAL RESOURCES**

SOP 3 of the HPC details the procedures for identifying and evaluating cultural resources and historic properties at USAG Picatinny. To be eligible for or listed on the NRHP, a historic property must be shown to have significance under the NRHP criteria and it must have integrity (see Section 2.3 of this document for the NRHP Criteria for Evaluation as referenced in 36 CFR 60). “Integrity is the ability of a property to convey its significance” and is determined by looking at the seven elements that create it:

- location of where the historic property was constructed or where the historic event occurred;
- design (combination) of elements that create the form, plan, space, structure, and style of the property;
- setting or physical environment of the property; materials or physical elements that were combined or deposited during a particular period of time and in particular period of time and in a particular pattern of configuration;
- workmanship or the physical evidence of the crafts of a particular culture or people during...history or prehistory; feeling or a property’s expression of the aesthetic or historic sense of a particular period of time; and
- association or the direct link between an important past event or person and the property itself.

To retain integrity, a property must possess several of these aspects. Although determining integrity tends to be a subjective judgment, this is tempered by an understanding of the property’s physical features and how they relate to its significance (NRHP Staff 2002: NRB 15). Furthermore, potentially significant cultural resources, which are *at least fifty (50) years of age or older*, must possess “the quality of significance in American History, architecture, archaeology, engineering, and culture [that] is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling and association.

In particular to these criteria, Criterion D affirms that the archaeological site must have characteristics suggesting the likelihood it possesses configurations of artifacts, soil strata, structural remains (above and below ground), or other natural or cultural features that: “test a hypothesis or hypotheses about events, groups, or processes in the past that bear on important research questions in the social or natural sciences or the humanities; or corroborate or amplify currently available information suggesting that a hypothesis is either true or false; or reconstruct the sequence of archeological cultures for the purpose of identifying and explaining continuities and discontinuities in the archeological record for a particular area” (NRHP Staff 2002).

Overall the NRHP recognizes 5 classifications of significant properties:

- *buildings*, principally a shelter for any form of human activity;
- *structures*, functional constructions made for purposes other than creating human shelter;
- *objects*, constructions that are small in scale, relatively simple and primarily artistic;
- *sites*, location of a significant event where the site itself possesses value regardless of the value of any existing structure; and
- *districts*, a significant linkage of sites, buildings, structures or objects united historically or aesthetically by a plan or physical development. A district derives its importance from being a unified entity, even though it may include a wide variety of resources. “The identity of a district results from the interrelationship of its resources, which can convey a visual sense of the overall historic environment or an arrangement of historically or functionally related properties” (NRHP Staff 2002). A district must be important for historical, architectural, engineering or cultural values. The individual components of a district may lack significance provided the group as a whole has significance. Most of the components making up a district must add to the district’s character and must possess integrity, as must the district itself.

All of the NRHP criteria should be applied to each cultural resource evaluated. The information the cultural resource yields, or will yield, must be evaluated within an appropriate historic context; and how the potential information will affect the definition of the context. The cultural resource (e.g., archaeological site, historic structure, district or landscape) also must retain the historic integrity of those features necessary to convey its significance. The information likely to be recovered from the cultural resource must confirm, refute, or supplement, in an important way, existing information. It is not eligible if it cannot be related to a particular time period or cultural group and, thereby, lacks any historic context to evaluate the importance of the information to be collected (NRHP Staff 2002). For a more detailed discussion, see various NRBs 15, 16A, 24, 36, 39, etc. (<http://www.nps.gov/history/nr/publications/bulletins.html>).

### **3.5.1** *Criteria Consideration G, Exceptional Importance*

In particular to note for Picatinny Arsenal, many structures and their industrial complex areas are less than fifty (50) years of age. Properties generally are required to have attained at least 50 years of age before they are considered for eligibility for listing to the NRHP. Properties achieving significance within the last 50 years, however, may be listed on the NRHP only if they are of “exceptional importance” (NRHP Staff 2002; and Sherfy and Luce 1998). Therefore, Criteria Consideration G must be applied to consider properties less than 50 years old. Because the NRHP intentionally left the word “exceptional” without a clear definition, the determination of exceptional importance is open for interpretation.

The Army, in an attempt to assist its GCs and CRMs, has established a set of steps and tests to help assess possible exceptional properties in the Army Cold War guidelines (USACE, Fort Worth 1997). These guidelines are quite rigorous, but must be used without legalistic thinking. As the guidelines point out, “[a] property does not suddenly become historic on its fiftieth anniversary, having no historical significance the day before. Fifty is not a magic number, but an arbitrary designation” (USACE, Fort Worth 1997: 37).

According to Army guidelines, the determination of exceptional importance can be made only after a resource has been shown to be important to one or more Army Cold War themes. These themes, in broad terms, are:

- Balance of Power;
- Ideological Confrontation;
- Technological Imperative; and
- Survival and Preparation for a Hot War.

Specific Army themes include: Mission Focus; Survival; Technology; Militarization of Space; Extraordinary Measures; and Secrecy. The more direct the relationship of the property to one of these themes, the more likely it is to meet the exceptional criteria.

## **3.6 LANDSCAPE ANALYSIS AND MANAGEMENT APPROACH**

Cultural resources constitute essential and significant elements of ecosystems in which Army installations, such as USAG Picatinny, and their component activities exist and function. Planning and management of cultural resources, therefore, should occur within the context of a comprehensive and integrated land, resource, and infrastructure approach which adapts and applies principles of ecosystem management. This involves planning and management of cultural resources by reference to the landscape; therefore the principal components of this approach are as follows:

- defines a “cultural landscape” as a geographic area including the collective cultural and natural resources features and the spatial relationships among those surface and subsurface features. Examples of natural features include terrain, habitat areas, and topography. Cultural features include archaeological sites, sacred sites, historic buildings, and the modern built environment. All of these natural and man-made

features, including those related to military operations, are viewed as a series of surface and subsurface features that make up the installation's cultural landscape;

- focuses on the analysis of the spatial relationships among natural and man-made landscape features. Cultural and natural resources distribution maps can provide the data for systematic analysis of spatial patterning and land use through time. Factors such as elevation, slope, soil texture and drainage, vegetative cover, distance to water and proximity to roads, other transportation routes, and service centers have resulted in non-random patterns of human land use through time. These factors influenced the locations selected for prehistoric and historic settlement and activity areas;
- distribution maps of cultural and natural resources locations, overlain with specific locations of military testing and training areas (including past, present, and to the extent possible, future activities) will show a non-random pattern of distribution across the landscape. Spatial analyses based on such distributions can indicate if the locations of cultural resources, natural resources, and military testing and infrastructure improvement activities coincide. The coinciding distribution of cultural and natural resources and specific locations of military activities are important land management factors;
- identification of the non-random patterns of land use is beneficial for compliance-related environmental documentation requiring future impact prediction (e.g., NEPA and NHPA documents). It is beneficial for the preparation of analyses for the consideration of alternatives, and for impact avoidance, in a manner that avoids conflict with sensitive resources. This type of specific spatial information allows predictive scenarios that aid in the management of the resources, and adds timeliness to compliance activities and the completion of mission objectives;
- emphasizes the fact that natural and cultural resources may result from and obtain significance through the continuous military occupation and use of the land. The cultural landscape on Picatinny is unique because of its continued use for defense-related purposes and the influences to the landscape resulting from these activities.

The value of the landscape approach to proper evaluation and treatment is that a cultural resource's significance is not determined in isolation, but within the entire context of the landscape and interrelationships among its components. The landscape approach allows greater flexibility in environmental impact analysis and the development of mitigative strategies in terms of trade-offs which can be negotiated when the linkages between cultural and natural resources are identified. The approach also allows for more informed and defensible decision-making, and provides the overall framework for the ICRMP and future implementation of project-specific compliance actions. It is most useful as an overall conservation planning strategy fully integrating cultural and natural resources and the military mission.

### 3.6.1 *Historic Landscapes*

Historic landscapes must be evaluated within existing historic contexts which are essential for identifying significant properties of a rural area and determining their eligibility. Significance must be evaluated within the framework of a community, region, or state's historic contexts. These historic contexts can provide background information and important historic trends or themes to help determine if the property is unique or representative of its time and place, and assess relative importance (McClelland et al. 1999). The usual types of rural landscapes based on historic occupation or land use are: agriculture (including various types of cropping and grazing); industry (including mining, lumbering, fish-culturing, and milling); maritime activities such as fishing, shellfishing, and shipbuilding; recreation (including hunting or fishing camps); transportation systems; migration trails; conservation (including natural reserves); and sites adapted for ceremonial, religious, or other cultural activities, such as camp meeting grounds (McClelland et al. 1999).

Using the landscape approach to research historic and cultural resources provides a framework for understanding the relationships among history, architecture, landscape architecture, planning, and archaeology (Loechl et al. 1996:3). As well, the NRHP defines a designed landscape as any of the following:

- significance as a design or work of art;
- consciously designed and laid out by a master gardener, landscape architect, architect, or horticulturalist to a design principle, or an owner or other amateur using a recognized style or tradition in response or reaction to recognized style or tradition;
- having a historical association with a significant person, trend, event, etc., in landscape gardening or landscape architecture; or
- having a significant relationship to the theory or practice of landscape architecture [Keller and Keller 1998:2; <http://www.nps.gov/history/nr/publications/bulletins/nrb18/>].

Many historic landscapes are NRHP eligible based primarily on their design merits; however, a substantial number of others also possess significance in other areas such as social history (Keller and Keller 1998:2). The specific features that a designed historic landscape must retain to have integrity differ for various landscape types. Such features may include, but are not limited to: spatial relationships, vegetation, original property boundary, topography/grading, site furnishing, design intent, architectural features, and circulation system. Although a landscape may not retain all of the characteristic features that it had during its period(s) of significance, it must retain enough or have been restored enough of the essential features to make its historic character clearly recognizable. The clearest definition of integrity related to landscape is the presence of identifiable components of the original design (Keller and Keller 1998:8).

General types of landscapes include designed landscapes (NRB 18), rural landscapes (NRB 30), and military landscapes (Loechl et al. 1996: 47-93). Although small landscapes without any buildings or structures can be listed as a site, most historic landscapes have extensive acreage and a number of buildings and structures. Historic and military landscapes often include other property types (e.g., structures, buildings, objects) as well as the relationship among the important characteristics of the landscape, such as industrial, functional and ceremonial areas and their modifications over time as mission requirements change (Loechl et al. 1996: 8-9).

Designed landscapes are one type of landscape that has significance as a design or work of art, was consciously designed and laid out by a master gardener, landscape architect, or horticulturist to a design principle, or owner or other amateur using a recognized style or tradition in response or reaction to a recognized style or tradition; has an historical association with a significant person, trend, event, etc., in landscape gardening or landscape architecture; or a significant relationship to the theory or practice of landscape architecture (Keller and Keller 1998).

Examples of designed landscapes that may exist at Picatinny are: small residential grounds; church yards; cemeteries; monument and memorial grounds; plaza, square, or other forms of public spaces; arsenal/military planning or civic design areas; subdivisions and planned communities; industrial grounds or areas; designated or developed outdoor recreation areas including the Golf Course, baseball fields, basketball courts, etc.; and manmade bodies of water/foundations are considered an independent component and not part of a larger design scheme.

Rural historic landscapes also may qualify for listing to the NRHP as an historic site or district. A rural landscape is defined as "a geographical area that historically has been used by people, or shaped or modified by human activity, occupancy, or intervention, and that possesses a significant concentration, linkage, or continuity of areas of land use, vegetation, buildings and structure, roads and waterways, and natural features" (McClelland et al. 1999). Most rural landscapes are not created by a professional designer and were not developed to academic or professional design standards, theories, or philosophies of landscape architecture which make them quite distinct from the designed landscapes (McClelland et al. 1999).

### *3.6.1.1 Military Landscapes*

Military installations include some of the most historically significant properties in the American cultural landscape and, as with any landscape; the military landscape reflects the history and cultural traditions within which it has evolved (Loechl et al. 1996:3). A historic military landscape is defined as being "significantly associated with historically important persons or events, or is an important indicator of the broad patterns of history, or represents a significant example of design or construction" (Loechl et al. 1996:7). As these types of landscapes relate to the NRHP, they are potentially eligible for listing as a historic site or district. A historic military landscape, like all historic or prehistoric sites, must possess sufficient integrity to convey its significance to be eligible for nomination to the NRHP. Characteristics of a historic military landscape (Loechl et al. 1996:8) include:

- military mission, expressed as a fundamental design principle influencing landscape development and its usage;
- siting and layout (spatial organization), directly related to the evolution of the military mission and, in many cases, influenced by the local, natural environment;
- military cultural values and traditions, expressed in the landscape as a ranking hierarchy in building placement and landscape treatment, uniform architectural styles, utilitarian land use, including the buildings, structures, and objects themselves, and even archaeological sites;
- high level of similarity, basic components and designs are repeated within an installation and are often common among many installations;
- restricted access, controlled entrance and exit points; and
- clearly defined borders created through fencing, walls, guard posts, sentry houses, signs and other features.

In an effort to develop guidance applicable to the military landscape, the USACE Construction Engineering Research Laboratory (USACERL) developed the *Army Guidelines for Identifying and Evaluating Historic Military Landscapes: An Integrated Landscape Approach* (Loechl et al. 1996) to evaluate significance and integrity and assist in determining eligibility and boundaries of historic military landscapes. The guidelines are designed to be used in conjunction with NRBs 15 (NRHP Staff 2002), 18 (Keller and Keller 1998), 30 (McClelland et al. 1999), and 40 (Andrus 1999) as well as additional NRBs and materials addressing specific property types and issues providing a systematic evaluation. The USACERL document presents a systematic evaluation process with which to assess the unique development and historical contexts of military installations, emphasizing the importance of the relationships among the individual buildings, structures, and grounds that contribute to an historic military landscape (Loechl et al. 1996:3). The document defines the historic military landscape as:

A military landscape that is significantly associated with historically important persons or events, or is an important indicator of the broad patterns of history, or represents a significant example of design or construction. For the purposes of the National Register, a historic military landscape is a category of property eligible for listing on the National Register of Historic Places as a historic site or district. To be eligible for nomination to the Register, a historic military landscape must have sufficient integrity to convey its significance [Loechl et al. 1996:8].

The guidelines further describe different contexts and characteristics with which to interpret and understand the military landscape helpful in making a determination of historical significance and associations. Using this overall landscape approach provides a framework for recognizing the different stages of development of military installations and the relationships among historical trends, military missions, installation types, and landscape appearance

(Loechl et al. 1996:19).

Overall, the ICRMP utilizes a landscape approach which analyzes the spatial relationships among natural and cultural resources within their natural setting. By considering terrain (e.g., elevation, slope, soil, water) and cultural resources (e.g., structures, sites) and their non-random distribution across a landscape, planners can locate military field training and testing activities to minimize, as well as identify potential unknown resources before they are impacted.

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## 4.0 Planning Level Survey

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The planning level survey is an analysis and discussion of the installation's cultural landscape. This analysis integrates what is known about Picatinny Arsenal with the appropriate research contexts and questions to provide a critical framework for the ICRMP and the HPC for the implementation of project specific compliance actions. This information determines the range and types of cultural resources present within the installation boundaries. Information derived from this approach assists in developing and analyzing the spatial relationships among all cultural resources within their natural and human settings. The landscape analysis within the planning level survey offers a method for comprehending the land use history of the installation and the interrelationships among the natural and human-affected landscape and subsequent human activities across the entire installation through time (DA Pamphlet 200-4:2). Picatinny's physical landscape and its past and present environmental setting (paleoenvironment) is presented within Appendix H of the HPC.

### 4.1 CULTURAL LANDSCAPE AND LITERATURE REVIEW

Historical literature and reports for Picatinny Arsenal have been performed, conducted, and documented since the early 1930s. These documents consist of archaeological and cultural resource management reports, planning documents, historic structures reports, and installation histories. The totality of these informational sources has been used to ascertain the existing cultural resources, land use patterns and potential archaeological site sensitivity surrounding the installation.

The primary documents pertaining to the identification and management of cultural resources at Picatinny Arsenal are listed within Section 2.6 of the HPC. From these documents, the installation can be divided into three (3) general cultural and historic land use periods:

- 1) prehistoric subsistence activities conducted by Native Americans prior to the arrival of European traders/settlers demonstrated by the presence of prehistoric campsites, lithic scatters and rockshelters identified within and adjacent to Picatinny;
- 2) pre-Arsenal industrial and agricultural activities associated with iron mining and production endeavors during the colonial/pre-Arsenal periods by European-American settlers, and rural settlement activities, which included the limited cultivation of grains and livestock, prior to 1880. Fitch and Glover note "both historic and modern period land use of the area encompassed within Picatinny has resulted in alteration to the natural topography" (1990: B-185). The New Jersey Highlands have been a focus of historical development and settlement since the early-18<sup>th</sup> Century, when the region's potential as an iron producer began to be exploited. The Green Pond Brook valley was the site of several iron forges, which operated from about 1750 until just after the Civil War. Land alterations associated with these forges includes the creation of both Picatinny Lake and Lake Denmark as well as historic tree-clearing and plowing related to both the erection of farmsteads and the making of charcoal for local forges and furnaces; and

- 3) military-related construction endeavors and subsequent associated industrial activities beginning in 1880, involving the replacement or reuse of structures or remains associated with agricultural and early industrial periods of the area and the subsequent, dramatic land alterations inherent in the erection of the installation itself.

Initial construction activities at the installation occurred in the 1880s when the Army began purchasing tracts of land in the vicinity of Picatinny Lake. Additional construction has proceeded through to the present as the installation has adapted its facilities to meet the exigencies of its mission (Klein et al. 1986; Rogers 1931). Construction activities focused on the erection of storage magazines, officer's quarters, and service facilities within Picatinny's initial 1,866 acres (746 ha) in the Green Pond Brook valley. As the installation and Lake Denmark NAD expanded within the valley, their missions diversified to incorporate the manufacturing of increasingly more powerful explosives and ordnance, and involved dramatic construction and earth-moving activities. Periodic construction episodes involved the razing of historic structures, the erection of new structures, and/ or the expansion of existing buildings and other land modification activities, such as grading or filling. Successive land acquisitions, including the Lake Denmark NAD, enlarged the Arsenal to its present size encompassing approximately 5,853-acre and generally enhanced the installation's capability to perform its mission or preceded changes in mission. Currently, the installation comprises over 600 buildings; approximately 465 auxiliary structures, RP assets, and associated land management areas such as test ranges and the Golf Course; and approximately 85 miles of roads. Additionally, 641 acres of private property comprising 6 tracts are encumbered by DA restrictive easements. These tracts are not managed by Picatinny or the cultural resource management program. Overall, the installation is divided into four (4) broad land use areas:

- 1) research, development and testing;
- 2) administrative;
- 3) housing and community support; and
- 4) parking lots.

In conclusion, Picatinny's primary mission is research, development and engineering of munitions and weapons (Sections 1.6 and 3.2.1 of the HPC). Past operations and waste management practices led to contamination throughout the installation, and it was placed on the National Priority Listing for Federal Facilities; as a result safety and UXO clearance zones in specific areas also exist and need to be considered during any development activities.

## **4.2 RESEARCH CONTEXTS**

Based upon the wide variety of cited works within this document (Section 7) and Section 2.6 of the HPC, as well as insights from the archaeology of nearby regions, a prehistoric settlement pattern and historic context can be further explicated and elaborated for the installation. This discussion is further specified below by time periods and associated property types representing the kinds of settlements and associated locations thought to have been used in the New Jersey Highlands region.

#### 4.2.1 Prehistoric Period Archaeological Resources

Overall, the prehistory of northeastern North America is marked by 3 major periods spanning approximately 14,000 years. The earliest of these periods is the Paleo-Indian, which lasted from 12,000 BC to 8,000 BC. Living in seasonal camps near fresh water sources, Paleo-Indians subsisted by hunting and gathering. This period is followed by the Archaic period, which lasted from 8,000 BC to 1,000 BC and was characterized by seasonally occupied campsites and later seasonal villages. The Archaic subsistence system was hunting and gathering with possibly incipient horticulture toward the end of the period. After 1,000 BC, Native Americans of the Woodland period lived in seasonally occupied villages and campsites and subsisted by hunting, gathering and by AD 1,000 horticulture. Ceramics were first made in northeastern North America during the Woodland period. These periods are described in more detail below.

Prior to 1965, the archaeology of New Jersey was known primarily through the work of early investigators such as Skinner and Schrabisch (1913), who provided a preliminary atlas of the distribution of known archaeological resources, stratigraphic investigation such as those conducted by Hawkes and Linton (1916); exploration of Lenape village and mortuary locations by Heye and Pepper (1915), Ritchie (1949), and others; and the attempt to systematize the evidence of New Jersey prehistory, published in two volumes by Cross (1941, 1956). Additionally in 1965, Ritchie's *Archaeology of New York State* provided a model of cultural systematics and interpretation was applied broadly in the Northeast, and had specific applicability, at least in part, to New Jersey. Ritchie's general framework was extended and expanded through investigations of the proposed Tocks Island Reservoir in the upper Delaware valley, on the New Jersey-Pennsylvania border (Kinsey et al. 1972). The excavations in the upper Delaware valley, which were later continued for NPS planning and management of the Delaware Water Gap, have provided a substantial amount of information about New Jersey archaeology, including the types of archaeological sites and intersite variation (Kinsey et al. 1972; Kraft 1970, 1975, 1978, 1986; Orr and Campana 1991). In the 1980s, a set of State plans for archaeology study units or historic contexts comprehensive of statewide prehistory, ethnohistory and history was assembled by Chesler (1982), along with a synthesis of New Jersey archaeology with a broad overview of chronology, subsistence, settlement, technology and other cultural information was published by Kraft (1986). The NPS has also considered New Jersey within its development of a contact period thematic study of archaeological sites in consideration of National Historic Landmark designation (Grumet 1992). Based upon these sources, and particularly following Chesler (1982), Kraft (1986), and Orr and Campana (1991), the following prehistoric context has been established for the Picatinny valley and its surrounding region by Klein et al (1986) and Fitch and Glover (1990).

By and large according to information provided in Chesler (1982), and discussed in Fitch and Glover (1990), archaeologists have not considered the New Jersey Highlands region as a core area of prehistoric Native American settlement. Rather, the area is seen as a region of seasonal settlement for natural food resource exploitation by mobile, hunting and gathering or hunting-gathering-horticultural populations and considered a travel route between coastal and interior (Delaware valley) larger core settlement areas. As a consequence, the types of sites expected to occur include small camps associated with travel, hunting or gathering in rockshelters and comfortable, resource rich locations such as well drained sites adjacent to or overlooking lakes,

marshes and streams. However, contradictorily recent reiteration of these views from ongoing research and assessments has considered during early post-glacial times, upland valleys with extensive wetlands, such as the Green Pond Brook system, may have actually been core settlement areas especially for Paleo-Indian and Early Archaic bands. These peoples exploited the resources of drained glacial lake basins before Holocene river systems and coastal shorelines had stabilized or developed the recent ecological characteristics favorable for human settlement core definition. In this view, drained glacial lake basins are early core settlement areas largely independent of relative altitude and associated stream ranks. This perspective is based upon human settlement modeling and empirical research by Nicholas (1988) and Cesarski (1996), and is supported by observations of early post-glacial archaeological site occurrence in southeastern New York by Eisenberg (1978), and the New Jersey Highlands by Marshall (1982).

Human land use involved settlement and subsistence activities focused upon the postglacial ecosystems formed in drained glacial lake basins. Drained glacial lake basins are termed "core settlement areas" for human populations of the early post-glacial era (Cesarski 1996:85). Some such locations are in areas central to subsequent settlement, including modern foci of settlement and transportation, while others, by later standards, became hinterlands or even frontiers. Cesarski has identified different kinds of settlements or camps within the study of early post-glacial settlement systems in the Hudson drainage (1996; Magne 1989):

- *residential sites*- the widest variety of activities occurs and a considerable amount of manufacturing takes place. Therefore, Residential Sites are those sites identified as having a wide variety of activities and a relative preponderance of manufacturing activities indicated by the artifact assemblage. Through time, this kind of assemblage may increasingly become associated with facilities such as food preparation, storage, and housing facilities, and during the Woodland period, ceramics (Sassaman 1992);
- *repeated logistical camps*- the location of a variety of activities, so like Residential Sites, they have high assemblage diversity. However, since they are involved with a logistical mobility phase of human subsistence and settlement, they normally are provisioned from elsewhere, and do not have a high proportion of debris produced by manufacturing. Waste materials likely are dominated by repair rather than manufacturing debris. Facilities other than certain specialized facilities are either not present or not diverse (Binford 1980; Curtin 1996);
- *manufacturing sites*- sites where manufacturing or the initial stages of manufacturing take place; good examples are stone quarry sites or associated workshops. Manufacturing debris is abundant, repair debris is incidental or limited to specialized technology, such as quarry tool rejuvenation (LaPorta 1996), and assemblage diversity is low as a result of the specialized nature of activity at these sites; and
- *situational "emergency" sites*- short-term camps occasioned by the challenges and unpredictability of travel and environmental variables. Assemblages have low diversity as the technology is mobile and little is left behind, unless cached against future travel or field difficulties (Binford 1979). Similarly, any waste materials are from situational exigencies

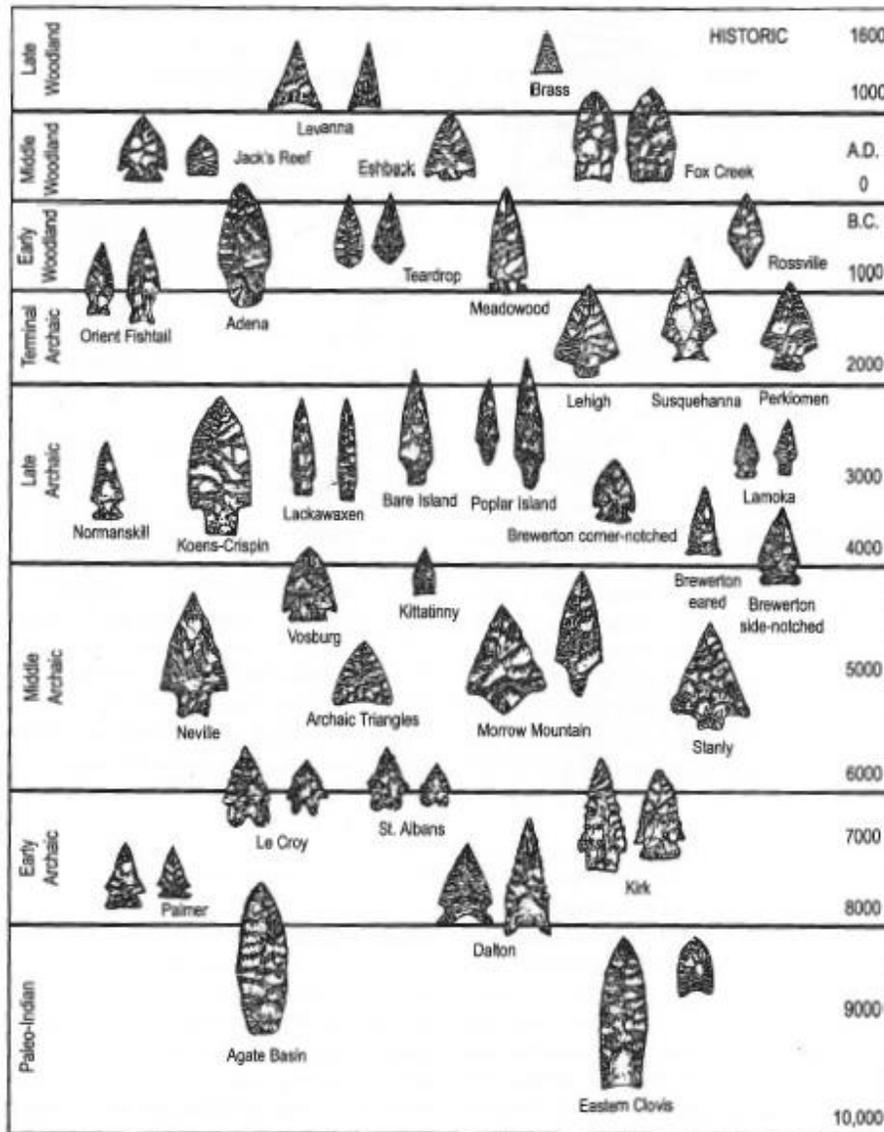
or incidental repairs, so repair debris greatly dominates manufacturing debris;

Overall, these are the property types associated with the prehistoric settlement patterns context for the Picatinny Arsenal region (although other types may be discovered and added based upon future archaeological research). A relatively balanced variety of these site types can occur in either lowland glacial lake basins, such as the Hudson valley within Glacial Lake Albany (north of Newburgh, New York), or higher elevation glacial lake basins such as the Green Pond valley within the former glacial Lake Green Pond. While many early archaeological sites occur adjacent to, or on the drained surfaces of former glacial lakes, archaeologists have long noticed some Paleo-Indian sites, particularly large sites, are found on high elevations where game movements in the valleys could be observed (Eisenberg 1978; Funk 1976; Kraft 1986; Ritchie 1965; Witthoft 1952). A brief discussion of identified prehistoric period archaeological resources found on the installation and within the Highlands region appears within Section 2 of the HPC.

The two (2) figures presented below are from Kraft (2001) and represent the timelines and projectile point types noted within the prehistoric archaeology sections below.

Geological period Cultural period Time period	Climatic, environmental, and human conditions
Late Pleistocene Paleo-Indian ca. 10,000 B.C. to ca. 8000 B.C	Climate: cool and dry Environment: park tundra, mosaic of boreal and deciduous forests with grasslands Human activities: hunting, fishing, gathering Principal equipment: fluted spearpoints on spearshafts, knives, scrapers
Early Holocene Early Archaic ca. 8000 B.C. to ca. 6500 B. C.	Climate: relatively warm and dry Environment: boreal forests comprised mostly of spruce and pine, some deciduous trees and grasslands Human activities: hunting, fishing, gathering Principal equipment: unfluted, stemmed spearpoints on spearshafts, knives, scrapers
Middle Holocene Middle Archaic ca. 6500 B. C. to ca. 4000 B.C.	Climate: warm and wet Environment: mixed forests of mostly hemlock and oak Human activities: hunting, fishing, gathering Principal equipment: stemmed spearpoints on spearshafts, knives, scrapers, grubbing tools
Late Middle Holocene Late Archaic ca. 4000 B.C. to ca. 2000 B.C.	Climate: warm and dry Environment: mixed oak, hickory, chestnut Human activities: hunting, fishing, intensive gathering Principal equipment: stemmed spearpoints on spearshafts, atlatls, fish nets, axes, knives, adzes, gouges, millingstones, pestles, baskets
Late Holocene Terminal Archaic ca. 2000 B.C. to ca. 1000 B.C.	Climate: warm and dry Environment: mixed forest Human activities: hunting, fishing, intensive gathering Principal equipment: Broadspears, atlatls, fish nets, knives, scrapers, adzes, millingstones, pestles, soapstone bowls, baskets
Late Holocene Early Woodland ca. 1000 B.C. to ca. B.C. - A.D. 0	Climate: cool and wet Environment: deciduous forests of mainly oak and chestnut with conifers Human activities: hunting, fishing, intensive gathering, trade Principal equipment: spears, atlatls, fishnets, knives, scrapers, axes, millingstones, soapstone bowls, pottery vessels, baskets
Late Holocene Middle Woodland ca. A.D. 1 to ca. A.D. 1000	Environment: modern forests and grassy vegetation Human activities: hunting, fishing, intensive gathering, trade Principal equipment: spears, nets, knives, scrapers, drills, celts replace axes, millingstones, pottery vessels, baskets, birdstones, bow and arrow after A.D. 500
Late Holocene Late Woodland ca. A. D. 1000 to ca. A. D. 1650	Climate: modern Environment: modern forests and grassy vegetation Human activities: hunting, fishing, gathering and gardening Principal equipment: bow and arrow, fishnets, knives, scrapers, axes, mortars and pestles, pottery vessels of diverse kinds, baskets, etc.
Late Holocene Historic Contact ca. A. D. 1600 to ca. A. D. 1700	Climate: modern Environment: modern forests and grassy vegetation Human activities: hunting, fishing, gathering and gardening, trapping Principal equipment: bow and arrow, guns, brass kettles, iron axes, iron hoes

**Figure 4.1.** Cultural time periods and environmental conditions noted throughout prehistoric time (Kraft 2001:34, Table 2.1).



**Figure 4.2.** Timeline of projectile point types from Paleo-Indian thru Late Woodland (Kraft 2001:32, Figure 2.9, modified from Kraft 1986).

*4.2.1.1 Paleo-Indian Period (14,000-10,000 years ago)*

Models of the last deglaciation (the Wisconsin stage) for New Jersey derived from floral remains and Pleistocene fauna indicate the likelihood that the glacial ice had disappeared earlier than 16,000 years ago (Waterways Experiment Station [WES] 1996:30; Funk 1993:43-44; Marshall 1982:17). Glacial ice disappeared from New Jersey earlier than 16,000 years ago (WES 1995:30; Funk 1993:43-44; Marshall 1982:17). About 12,000 years ago, the environment of the Highlands was a mosaic of tundra and forests predominantly pine, spruce and fir, which eventually gave way to birch and oak (Marshall 1982:17; Funk 1972:10; Salwen 1975). The emergence of oak stands and subsequent increase in resource availability allowed greater human population density toward the end of the period.

At the end of the Pleistocene era, glacial Lake Passaic dominated the southeastern half of what is now Morris County, which was cut in half by the Wisconsin terminal moraine. The late Pleistocene environment provided important habitats for large mammals and other game potentially significant for human subsistence. Pleistocene megafauna, including mammoth, mastodon, great beaver, fossil bear, and northern species like fox, seal, moose and caribou, roamed the Northeast (Funk 1972:11; Ritchie 1980:10-11; Rutsch et al. 1986:12; Marshall 1982: 17-18). While tundra-like conditions probably existed near the terminal moraine in Morris County, glacial Picatinny Lake (historically called Clifford Pond) formed in what would become the Green Pond Brook valley as the Wisconsin glacier receded (WES 1995:12). Therefore, the Paleo-Indian period represents a long time of considerable cultural flux and adaptive change. Nonetheless, previous research (Cesarski 1996; Nicholas 1988) indicates the most general condition of early human adaptation in the northeastern U.S. was to the aquatic, wetland and terrestrial resources of drained glacial lake basins, such as those formed by glacial Lakes Passaic and Green Pond.

During the 4,000-year Paleo-Indian period, human subsistence shifted from large Pleistocene game, like caribou, to more modern, mid-latitude species, such as white-tailed deer (Eisenberg 1978).

Mammoths, who were primarily grazers, preferred grassy tundra environments like those that would have been found in the higher elevations of the Highlands during the late Pleistocene. Dent suggests that mammoth and mastodon were extinct 1,000 years before humans arrived in the Upper Delaware Valley and that the tundra environment had succumbed as well (Dent 1992:136). Marshall, however, contended that megafauna were still around when the Paleo-Indians arrived in the area. "Contemporaneity of early Paleo-Indian hunters and these animals has been established by radiocarbon dated remains of the megafauna excavated from areas in northern New Jersey, New York, and Pennsylvania" (Marshall 1982:18). Caribou herds probably extended into the Middle Atlantic region beyond the time of the megafauna extinction. During the late glacial/early post-glacial period, caribou likely were hunted by the Paleo-Indians as evidenced by caribou bone found at the Dutchess Quarry Cave No. 1 Site in association with a fluted point (a primary diagnostic artifact of the Paleo-Indian period). The bone was radiocarbon dated to 10,580 BC  $\pm$  370 (I-4137). Additional fluted points were found at Dutchess Quarry Cave No. 8. Funk and Steadman (1994:53) observed that the caribou bone and fluted point found at Cave No. 1 were in the same stratum, but not otherwise in close association. The caribou may have preceded the fluted points at the Dutchess Quarry Caves. With deglaciation, the megafauna began to decline and were replaced by more temperate species that migrated into the area. During the 2,000-year Paleo-Indian period, human subsistence shifted from large Pleistocene game, like caribou, to more modern, mid-latitude species, such as white-tailed deer (Eisenberg 1978).

In addition to hunting, fish and plant foods were available to Paleo-Indian groups. Pollen analysis of samples from the Shawnee-Minisink site near the Delaware Water Gap has revealed the presence of many edible plants. Carbonized seeds were recovered by flotation. Some of the plants identified by these means included goose foot (*Chenopodium* sp.), ground cherry, black berry, hawthorn plum, pokeweed, pigweed (*Amaranthus* sp.), smart weed (*Polygonum* sp.), wild lettuce, grape, hackberry, and meadow grass (Kraft 1986:41).

Early Paleo-Indian chipped stone artifacts include fluted points—thin, lanceolate-shaped bifacial implements fluted down the center for hafting—unifacial end and side scrapers, utilized flakes, and waste flakes (Marshall 1982:13). At least six (6) fluted points have been found in Morris County and fifteen (15) in the Highlands region (Marshall 1982:26). The points were made predominantly of jasper, gray chert, black chert, and quartz. Fluted points gradually decreased in size as larger game animals moved north or became extinct (Kraft 1986:47). Fluted points were eventually replaced during the late Paleo-Indian/Early Archaic transition (10,000-8,000 years ago) with unfluted triangular points, stemmed points and Plano points.

#### *4.2.1.2 Early Archaic (10,000-8,000 years ago)*

About 10,000 years ago, the Early Archaic period succeeded the late Paleo-Indian period (Kraft 1986). At the time, the hills and mountains were overgrown with pine, hemlock and oak while forests in the coastal areas were populated with chestnut and oak (Kraft and Mounier 1982a:59). The retreating glacier caused a continuing rise in sea levels forcing prehistoric people to move away from the coast. People still lived in small territorial bands that hunted, fished, and gathered plant foods. With the exception of the dog, they had no domestic animals (Kraft 1986:51). People of the Early Archaic period subsisted on fish, shellfish, berries, roots, tubers, eggs, nuts, and deer (Kraft 1986:51). They moved when food supplies dwindled. The small encampments close to rivers or ponds typical of Early Archaic sites reflect this mobility (Kraft and Mounier 1982a:76).

The Early Archaic tool kit consisted of Hardaway Dalton points, Palmer corner-notched, Kirk corner-notched, and bifurcate base points like Amos corner-notched and LeCroy, both of which frequently had serrated edges. Bifurcate base points were found at Site 28-Mr-42, which lies three miles west of Picatinny on the banks of Lake Hopatcong, and Site 28-Mr-43, one mile north of Lake Denmark. People of the Early Archaic also used end scrapers, side scrapers, spokeshaves, drills, graters, choppers, hammers, and anvil stones.

#### *4.2.1.3 Middle Archaic (8,000-6,000 years ago)*

The Middle Archaic period lasted from 8,000-6,000 years ago. The climate was warm and moist by about 7,000 years ago, and water levels continued to rise, forcing groups to move inland. Oak, chestnut, beech, and elm dominated the landscape causing animal populations to increase in the forests because of the abundance of mast foods produced by the trees. People of the Middle Archaic subsisted on chestnuts, acorns, fish, as well as the abundant forest animals.

Similar to the Early Archaic, settlement pattern featured the same property types, although their distribution across the landscape may have changed over time, with a shift of core settlement toward major river valleys. This settlement pattern change would involve a disappearance or decreased frequency of residential sites in glacial lake basins that do not contain major streams. The ratio of various camps and manufacturing sites to residential sites in glacial lake basins without major streams would increase, and the number and/or size of residential sites associated with major streams and rivers would also increase. In the Highlands, residential sites may have been abandoned and replaced by repeated logistical camps or other relatively short-term, seasonal

camps.

People began to develop woodworking tools during the Middle Archaic using coarse-grained stones and river cobbles as their raw materials. These were commonly available in large sizes and allowed tool makers to reserve high quality lithic materials for finely flaked tools. In order to work these coarse-grained rocks, new shaping techniques had to be developed. The primary technique was pecking and grinding which was used for shaping axes, adzes, gouges, choppers and other woodworking or rough stone tools. These heavy woodworking tools may have been used for canoe building. In addition to these implements, the Middle Archaic tool kit included anvil stones, choppers, netsinkers and an array of projectile points.

For Middle Archaic people, the most commonly used raw materials included chert, jasper, argillite, shale, and rhyolite. Neville points are found in Middle Archaic sites as are Stanley Stemmed points, which are similar to Early Archaic Bifurcate Base points (Kraft 1986:58). Morrow Mountain II points, which resemble Poplar Island and Stark points, also occur in Middle Archaic sites. Although widely accepted as a Late Archaic projectile point type, Mounier argues the Poplar Island complex may have originated in the Middle Archaic because of stratigraphic and morphological associations with Morrow Mountain II and Stark points, which date to 6,500 and 7,000 years ago, respectively (Kraft and Mounier 1982a:79). According to Mounier, a lack of "good stratigraphic data in the Middle Atlantic Region where points of this kind predominate" prevents accurate dating (Kraft and Mounier 1982a:79). Perhaps a more detailed examination of the New Jersey Highlands would shed some light on this problem.

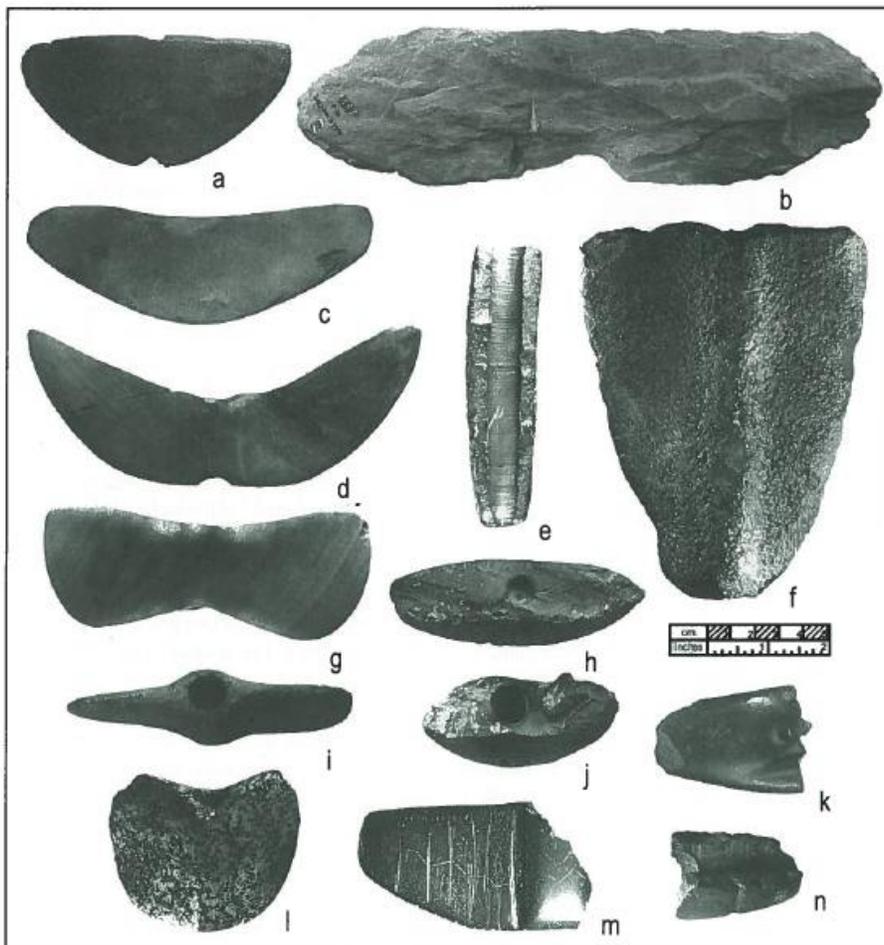
#### 4.2.1.4 *Late and Terminal or Transitional Archaic Periods (6,000-3,000 years ago)*

The environment during the Late Archaic was similar to today. Hunting, fishing, and gathering were still the principal daily activities, although greater emphasis was placed on small game, shellfish, nuts and wild cereal grains. This shift in subsistence strategies made higher population densities possible. As population increased, camps became larger and more numerous. While principal settlements were located near major rivers, people still lived in bands whose territories were probably well defined. Moving seasonally or when resources dwindled, Late Archaic groups may have congregated occasionally for exchange and socialization (Ritchie and Funk 1973).

This is a period of time where archaeological remains are relatively abundant and widespread across the Northeast. It is also when large archaeological sites with dense, artifact rich soils and refuse deposits are earliest documented. Some Late Archaic residential settlements may have been larger than in any previous period, while a record of repeated occupation of particular sites is well demonstrated (Kraft 1986; Ritchie 1965; Ritchie and Funk 1973). The Miller Field site in the upper Delaware valley is a compelling example of this type of site (Kraft 1970). Large, residential, Late or Terminal Archaic sites are not expected to occur in the Highlands. The shift of core settlement areas to major river valleys and coastal areas would be complete by the Late Archaic period. Some groups of people did still live in highland band territorial areas were more well defined. Moving seasonally or when resources were available dwindled, while groups may have congregated occasionally for exchange and socialization (Ritchie and Funk 1973). Other

expected Late and Terminal Archaic site types within Picatinny include repeated logistical camps, situational "emergency" sites, and manufacturing sites.

Heavy grinding implements like mullers, mortars and pestles provided new means of preparing food from seeds, nuts, dried berries and meat. These implements were made of sedimentary and metamorphic rock-like sandstone and argillite. Late Archaic people also used bifacial, chipped stone knives, semilunar knives, which were often made of slate, the atlatl or spear thrower, bolas, and plummets (Figure 4.3). Long, narrow stemmed or narrow, weakly notched projectile points, like Poplar Island, Bare Island, Lackawaxen Stemmed and Normanskill, were characteristic of the Piedmont or Small-Stemmed Tradition (Kraft 1986:73). Recently, 4 sites have been identified within Picatinny that date to the Late Archaic Period, and in particular note resource production and extraction along cliff edges and steep slopes with views towards the Rockaway River and Green Pond Brook valley demonstrating an assemblage similar to what is noted above and shown below in Figure 4.3 (Fitch and Glover 1990; Huggan 2008).



**Figure 4.3.** Variety of atlatl weight or bannerstones found throughout this region of New Jersey (Kraft 2001:125, Figure 4.56).

Another innovation was steatite or soapstone pots that facilitated cooking and food preparation. At the end of the Late Archaic, large, broad bladed, skillfully made spear points of the

Susquehanna broadspear tradition began to appear on archaeological sites along the Atlantic Coast from Georgia to Maine. According to Kraft, this tradition probably originated in the southern Piedmont and was related to the Savannah River culture (Kraft 1986:84). In New Jersey, the local expression of this culture is known as the Koens-Crispin, which is represented by broad stemmed points, scrapers, atlatl weights, celts and adzes. Koens-Crispin points are similar to Savannah River, Lehigh Broad, and Snook Kill points, indicating widespread travel and trade among Susquehanna tradition people. "The complex is associated with an elaborate pattern of mortuary ceremonialism which emphasized the practice of cremation, the ritual use of red ocher, and the often lavish inclusion of grave goods" (Kraft and Mounier 1982a:82). The Koens-Crispin site in Medford, New Jersey, and the Savich Farm site in Marlton, New Jersey, both revealed such practices.

Late Archaic people also continued to use rockshelters when necessary. For example, a rockshelter site located in the Town of Wayne near the border of Morris and Passaic Counties produced Late Archaic diagnostic artifacts, plant and animal remains, and intact features (Lenik 1985). Also, the Ground Bee Rockshelter, located near Longwood Lake, less than one mile west of Picatinny, is cited as a Late Archaic site (Fitch and Glover 1990).

Finally, archaeologists distinguish the period between 4,000 and 3,000 years ago as the Terminal Archaic as a result of the accumulated cultural changes during the Late Archaic. During this period, nut-bearing trees like oak, hickory, chestnut, and beech dominated the eastern forests. Sea levels continued to rise, causing increased salinity in estuaries, including the lower Hudson River (Kraft 1986; Snow 1980). People subsisted on deer, black bears, small mammals, wild turkeys, pigeons, shellfish, fruits, roots, nuts, and fish.

#### *4.2.1.5 Early Woodland Period (3,000-2,000 years ago)*

The introduction of pottery marks the beginning of the Woodland period. The Early Woodland lasted from 3,000-1,000 years ago. Several different cultures can be recognized in the Early Woodland period. Orient Fishtail points replaced the broadspears of the Terminal Archaic during the Orient phase (3,050 to 2,750 years ago). These points were used as knives and spears, and were reworked into drills, scrapers, strike-a-lights, and gravers (Kraft 1986:91-92). Orient people still used soapstone pots but also used clay pots tempered with crushed steatite. These pots, called Marcey Creek Plain, were similar in shape to steatite pots. Another early type of ceramic was Vinette 1, which was cone-shaped with cord-marked impressions on the inside and outside.

Another Early Woodland culture, the Meadowood phase, originated in northwestern and central New York. Like the Orient culture, Meadowood people used Vinette 1 pottery. Meadowood cache blades made of Onondaga chert are often found buried along canoe routes (Kraft 1986:95). The blades may have been buried so they would be available for later use or for trade with the local people. The Meadowood people hunted, gathered, and fished although their subsistence strategy involved a higher degree of mobility than the Orient populations (Kraft 1986:95). Meadowood people cremated their dead and buried them in cemeteries away from habitation sites. No Meadowood cemeteries, however, have been found in New Jersey (Williams and Thomas 1982:112). Other Early Woodland mortuary sites contained several different types of

burials; some individuals were cremated, some flexed, others were extended or bundled.

A third Early Woodland culture is Adena-Middlesex which lasted from 2,800 to 2,300 years ago. Adena people subsisted on smartweed, lambs quarters, marsh elder, pigweed, canary grass, nuts and roots, as well as mammals, fish and fowl (Kraft 1986). Evidence of early, domesticated cucurbits appears at this time in the Midwest, while domesticated tobacco is inferred from the presence of pipes. These people had a rich material culture consisting of pipes, pendants, boat stones, Cresap points, Adena Beavertail points and copper beads. Unlike their contemporaries, Adena- Middlesex people likely respected and encouraged the accumulation of wealth (Kraft 1986).

The Bushkill culture (also considered to date to the early Middle Woodland period between 2,560 to 1,975 years ago) is somewhat less ostentatious than Adena-Middlesex. People of this culture used cord- and netmarked pottery and subsisted on birds, deer, shellfish and fish. The culture is characterized by Lagoon points, Rossville points and small side-notched points. Gorgets, bifaces, scrapers, pestles, milling stones, mullers, netsinkers and celts are also frequently found on Bushkill sites and have also recently been found within Picatinny's boundaries as noted above (Kraft 1986:105; Huggan 2008).

Typically, upland and back country sites during this period are expected to show limited activity, resource extractive, and associated short term camp functions. In terms of the property types discussed previously, the ratio of residential sites in major river valleys compared to other locations would continue to increase, while residential sites in major valleys would become still larger and more complex. In other words, the number of large complex residential sites along major streams would increase, while upland areas such as Picatinny would show relatively stable, short term, seasonal uses similar to the Late and Terminal Archaic period uses.

The research summarized by Kraft (1986) indicates an increasing settlement and use of floodplain and river bottom habitats during the Early and Middle Woodland Periods. This continues the long term trend of the increasing importance and ecological complexity of human settlement throughout major river valleys. It is likely this trend represents a broadening of the human adaptive niche with respect to aquatic and floodplain resources, and increasing use of longer term, even multi-season settlements in the lowlands. The floodplain and aquatic resources include (or probably include): starchy seed plants that grow in disturbed soils, shellfish, sturgeon, other fish that may have been trapped in backwater lakes by retreating floods, and nut-producing trees of the lowlands such as butternut, black walnut, and hickory. Overall, the specific uses of the Highlands area is not well understood due to a general lack of information, but general property types are expected to include repeated logistical camps, situational "emergency" camps and manufacturing camps.

#### *4.2.1.6 Middle Woodland Period (2,000-1,000 years ago)*

The Middle Woodland period was characterized by 4 major phases: Tocks Island, Fox Creek, Point Peninsula and Hunters Home. Projectile points from the first phase, Tocks Island (1,800 to 1,600 years ago), were recovered from the Harry's Farm site along with net-marked,

exterior corded-interior smoothed, and Abbot Horizontal dentate pottery (Fischler and French 1991:148).

Additionally, fishing was an important activity for the Fox Creek culture between 1,700 and 1,550 years ago (Fischler and French 1991:148). Diagnostics of this phase include net-marked pottery and Fox Creek lanceolate and stemmed projectile points. Bolas, celts, pitted stones, hammer stones, anvil stones and pestles are frequently found in Fox Creek sites. Petalas blades made of argillite and chert are often buried in caches and often found with sturgeon remains. A prime fishing location overlooking the Delaware River, the Abbot Farm site revealed 127 Petalas blades and a long copper needle. The needle enabled the prehistoric fishermen to string their catch on a cord for drying (Kraft 1986:107). The Piedmont region is one possible source for this native copper (Williams and Thomas 1982:115).

The Kipp Island phase of the Late Point Peninsula culture lasted from 1,700 to 1,150 years ago (Fischler and French 1991:148). Characteristics of this phase include Jack's Reef Corner-Notched and Pentagonal projectile points and dentate-stamped pottery. According to Kraft (1986:114), Jack's Reef points were probably arrowheads, which suggest the bow and arrow had come into use. Platform pipes, antler harpoons and beaver tooth incising tools were found at the Faucett and Minisink sites in the Upper Delaware River Valley along with decorative artifacts like stone pendants, shark-tooth beads, and bone combs (Kraft 1986:114).

Lastly, the Hunters Home phase (1,150 to 1,000 years ago) was transitional between the Middle and Late Woodland periods (Fischler and French 1991:149). Diagnostics of this phase include Jack's Reef pentagonal and corner-notched points, triangular points, and collarless, cord-marked ceramics.

#### 4.2.1.7 *Late Woodland Period to Native American-European Contact (1,000 to-circa 390 years ago)*

Two distinct linguistic groups emerged during the Late Woodland Period: the Proto-Munsee speaking people who generally lived in northern New Jersey, north of the Raritan River and the Proto-Unami speakers who generally lived south of the Raritan River. These groups are known by differences in ceramics and burial style in addition to their linguistic differences (Kraft 1986:120). Since Picatinny lies in northern New Jersey, Proto-Munsee speakers will be the focus of this section.

During the Late Woodland period, the subsistence system shifted emphasis from the gathering of wild foods to the growing of domesticated plants. According to Fischler and French, the "earliest documented cultigen in the Upper Delaware Valley is *cucurbita* [gourd] at AD 1,060 + 60" (1991:160). This change was made possible sometime between 1,500 and 1,000 years ago by the development of Northern Flint corn, a cold-resistant strain that diffused broadly after its first appearance, probably in the Midwest (Fritz 1990). Corn associations with radiocarbon dates between 1,150 and 1,250 years ago are also reported from coastal Connecticut and the Susquehanna and Hudson drainages (Cassedy et al. 1993).

The introduction of corn horticulture was accompanied by sporadic population growth, settled village life, an enriched religious and ceremonial life, and warfare. This is characteristic of some Late Woodland cultures, such as the Haudenosaunee/Iroquois in New York. The occurrence of similar developments for cultures in the Delaware Valley is not known. It seems likely the late prehistoric peoples of the Highlands lived in small, unfortified, dispersed farmsteads or hamlets, in similar fashion to many of the New England and Upper Delaware Indians (Bender and Curtin 1990; Cronon 1984; Handsman 1990; Kraft 1986). Late Woodland and Contact period burial sites seem to occur within residential sites (Kraft 1975, 1978). Therefore, cemeteries or concentrations of human burials of this period are not expected to occur within Picatinny.

In northern New Jersey, the first major phase of the Late Woodland period is the Pahaquarra/Owasco phase (1,000 to 650 years ago). Ceramics of this phase were collarless pots with cord-marked bodies and cord-impressed rims (Kraft 1986:120). Levanna points are found in high frequencies on Late Woodland Pahaquarra sites. Other stone tools include cobble flakes used for a variety of purposes, flake knives, and hammer and anvil stones (Kraft and Mounier 1982b:148).

Besides hunting, gathering, and gardening, Pahaquarra people spent a great deal of time fishing and gathering shellfish, which were then smoked in hearths or dried on stone platforms (Kraft and Mounier 1982b:151; Kauffman and Dent 1982). Ceramics with well-defined collars and incised linear geometric designs identify the Minisink phase (650 to 350 years ago) of the Proto-Munsee people (Kraft 1986:120). Minisink longhouses were virtually the same as those of the Pahaquarra/Owasco culture. Burials are often oriented with the heads to the southwest or west (Kraft and Mounier 1982b:157). A wide variety of implements have been found on these later Woodland sites, including tools for hunting, butchering, hide preparation, fishing, plant processing, cooking, woodworking, and domestic activities (Kraft and Mounier 1982b:154-155).

All of the property types previously identified likely characterizes the Late Woodland and Contact Period settlement patterns. However, residential sites may have special attributes, as well as certain economic specialization. Based upon archaeological evidence, at least some residential sites have evidence of elongate, wigwam type structures 15 to 20 feet wide and generally up to about 60 feet long (Kraft 1975, 1986). These sites also have large storage pits. These are distinguished from longhouses used in Iroquoian areas by different door and internal configurations having less organized and hierarchical implications for the social organization using the structures' internal space. Therefore, one specific Late Woodland to Contact period property type is the residential site containing one, or a small number of elongate structures. Examples of these residential sites were found at the Harry's Farm and other sites in the upper Delaware valley (Kraft 1975, 1986). However, this property type is not expected to occur at Picatinny.

Since the local subsistence-settlement pattern is not expected to include gardens or horticultural fields, evidence of these types of sites is not expected to occur within Picatinny. As with the Late Archaic through Middle Woodland periods, Late Woodland to Contact period settlement patterns in the vicinity are expected to include only property types associated with mobile land uses, as found recently at Site 28-Mr-314, repeated logistical camps, situational "emergency" sites and manufacturing camps within Picatinny's boundaries (Tetra Tech EM, Inc.

2006, 2007).

Overall, these contexts and views imply the interpretation of archaeologically sensitive areas at Picatinny is very important for the study of Paleo-Indian, Early Archaic, and possibly Middle Archaic period settlement patterns and also sites of the Late and Terminal Archaic, and Early, Middle and Late Woodland periods are therefore expected to be associated with seasonal subsistence activities or temporary camping during travel.

#### 4.2.2 *Historic Period Archaeological Resources*

Outlining the history of Picatinny Arsenal and the surrounding area, this section summarizes material represented in more detail by Trigger (1978a), Klein et al. (1986), Rogers (1931), Fitch and Glover (1990) and Rutsch et al. (1986).

##### 4.2.2.1 *Regional Overview*

Although the French, employing Florentine navigator Giovanni da Verrazano, explored the Atlantic coast of North America in 1524, the Dutch were the first Europeans to penetrate the streams and forests of what would become New Jersey. The Dutch claim to the region rested on the 1609 voyage of Hendrick Hudson, an English mariner in the service of the Dutch East India Company. Seeking a shorter route to the Spice Islands and India, Hudson with his ship the *Halve Maen* reconnoitered the coast of what would become New Jersey and the river that now bears his name. During his reconnaissance, Hudson and his crew exchanged goods with Native Americans in Sandy Hook Bay, but not without incident---one sailor was killed and two others were wounded when Native Americans attacked Hudson's ship. Subsequent voyages by Dutch captains established outposts in this portion of North America to advance the commercial interests of the United Provinces of the Netherlands, and included the expedition of Cornelis Jacobsen May, who sailed around the southern tip of present day New Jersey (Cape May) and explored Delaware Bay in 1614. In 1621 the Estates General of the United Provinces organized the Dutch West India Company and granted the company a monopoly to trade along the shores of the Americas for 24 years. The center of Dutch operations in North America was New Netherland, a thin band of sparsely settled territory stretched along the Hudson or North River which connected New Amsterdam at the lower tip of Manhattan Island with the frontier outpost of Fort Orange, the present city of Albany, New York. From its base in New Netherland, the Dutch prosecuted the prized beaver pelt trade, competing with the English in the Connecticut River valley and the Swedes in the Delaware River valley. While the Dutch claimed both regions, only the Delaware valley would actively feel their influence (Brasser 1978:79-82; Goddard 1978:220; Bureau of Electronic Publishing, Inc. 1995: New Jersey File; Ellis et al. 1967:18-23; Burke 1991:1-18).

Loosely linked in political confederacy, subgroups of Algonquian Delaware or Lenni Lenape Indians inhabited the area that would become New Jersey at the time of the arrival of the Europeans. Neither linguistically nor culturally homogeneous, these subgroups spoke "dialects of two closely related Eastern Algonquian languages, Munsee and Unami" (Goddard 1978:213; Williams and Kardas 1982:185-187). Affirmed by the 1758 Treaty at Easton (Pennsylvania), the traditional dividing line between these subcultures was the Raritan River. The native groups north

of the Raritan River, including those of the New Jersey Highlands and the lower Hudson River valley spoke Munsee dialects, while the native groups south of the Raritan, including the Delaware River valley and Eastern Pennsylvania, spoke Unami dialects. Although occupying the mountainous region of northern New Jersey-southern New York, the Minisink Delaware maintained an extensive network of trails through the mountains in order to reach the rich shellfish areas along the Atlantic Ocean (Goddard 1978:213-216, 222; Williams and Kardas 1982:186, 189-190; Kraft and Mounier 1982b:139-141; Pitney 1914:2-3).

Disagreement exists among researchers concerning the derivation of the word "Picatinny." Some scholars allege that members of the Pequot tribe, displaced from their Connecticut homes by European intrusion during the late 17<sup>th</sup> century, settled for a time in the Highlands with subsequent intermixing between Pequot and indigenous Delaware groups (Salwen 1978:173; Kraft 1986). As a result, "[l]ocal historians have suggested that the place name 'picatinny' originates from the Pequot word 'Pikka' (meaning 'like rocks broken/cracked in a campfire') and 'tinny' (meaning hill or peak)" (Fitch and Glover 1990:B-143). Other researchers disagree, asserting a strict Delaware origin, one historian speculates that the word may mean either "(Body of) Water by the Hill" or "Village by the (Body of) Water," since in the language of the Delaware "Peek/Pic" means "body of water" and "Atn/Atin" means "Hill" or "Uteney/Utenay" means "Village" (Perry 1993). A third researcher suggests that the word is a "Lenape-Pequote" hybrid, meaning "'the smaller end face of the endless hill' or 'peak with broken rocks and cliffs'" (Myers 1984:7). However, all of these investigators agree that the word "picatinny" is of Native American origin.

Unlike most American colonies, the relationship between the first Europeans in New Jersey and the local Native Americans was relatively peaceful. Tensions between the growing Dutch population and the Delaware increased during the middle decades of the 17<sup>th</sup> century. Although competition for European trade goods exacerbated rivalries among the different Delaware groups, these conflicts led to bloodshed only along the lower Hudson River valley (Fitch and Glover 1990: B/141-143; Goddard 1978:213-216, 221). Since both Colonial settlers and the Delaware utilized similar subsistence strategies- farming the flats along rivers and fishing in those rivers- both groups regarded similar areas highly for the establishment of their settlements. Therefore, as the population of European settlers increased and spread throughout the colony, especially after 1664, the Delaware were forced to move west, ultimately out of New Jersey entirely. In 1758, the Delaware relinquished their claims to all lands in New Jersey. Those Native Americans who wanted to remain were assigned to a reservation on Edgepillock Creek (later, Indian Mills). Eventually, the remaining Delaware left the area, resettling in Pennsylvania, Wisconsin or Indiana (Goddard 1978: 222; Williams and Kardas 1982:186, 189-190; Kraft and Mounier 1982b:139-141).

Although establishing several small short-lived communities in the 1620s and 1630s, including Hoboken, Pavonia (on Staten Island) and on Burlington Island in the Delaware River, and more permanent settlements in the 1640s along the Hudson valley, the Dutch population of New Netherland rose only to a meager 1,200 by 1647 (Burke 1991:2). The paucity of Dutch inhabitants and the presence of a few hundred Swedish settlers along the Delaware River contributed to the problems of the company's governors in New Amsterdam. Wouter Van Twiller, governor from 1633-1638, placed a garrison on the Delaware River to safeguard the beaver trade

and protect the land from Swedish and English interlopers. In 1637, the New Sweden Company established a settlement on the Delaware River in the hope of turning a profit, but the Dutch refused to recognize the legitimacy of the outpost. Problems with Colonial neighbors recognized or not, also troubled notable New Netherland governor Pieter Stuyvesant (1647-1664). After New Englanders established trading posts and settlements on eastern Long Island and in the Connecticut River valley, Stuyvesant feared that they would replicate this success in the Delaware valley. Dutch governors failed to move against the Swedes' Delaware River settlement until 1651 when the Dutch invaded the region and erected Fort Casimir. Three years later, the Swedes demolished the fort, and Stuyvesant responded by sending seven ships and 650 soldiers up the Delaware, whereupon the Swedish governor surrendered. The English would not be so easily dispatched (Ellis et al. 1967:20-28; Bureau of Electronic Publishing 1995; Fitch and Glover 1990: B/141-143).

Notwithstanding the founding of their first permanent settlement in what would become New Jersey at Bergen (later, Jersey City) in 1660, Dutch proprietorship over New Netherland was abruptly terminated 4 years later, when forces loyal to James, Duke of York and Albany, captured the colony during the Second Anglo-Dutch War. New Netherland was renamed New York and the duke was given control over all land west of the Connecticut River and east of the Delaware River. Later, as a gift to two courtiers who had served King Charles II during the English Civil War and his subsequent exile in France, James (who was Charles' brother) awarded the land lying between the Hudson and the Delaware Rivers to John, Lord Berkeley, and Sir George Carteret. In the 1665 patent to the new proprietors, the colony was named Nova Caesaria in honor of Carteret's birthplace, the Isle of Jersey in the English Channel. Jersey is a corruption of Caesaria: "Jer" is a contraction of Caesar, while "ey" represents island—Caesar's Island—therefore, Nova Caesaria became New Jersey (Wacker 1982:199; Kim 1978:8-9; Divine et al. 1995:51-53; Halsey 1882:8-9; Bureau of Electronic Publishing 1995; Ellis et al. 1967:25-28; Pomfret 1964:8).

Prior to this time, the areas nominally under Dutch control were practically undisturbed by European occupation. Upon Philip Carteret's arrival in 1665 to become the first governor of New Jersey, he found "a cluster of four cabins waiting for him" at the site of what would become the capital, Perth Amboy (Kim 1978:5). The region's primitive state of settlement was slow to improve. "An observer of the New Jersey scene commented in 1671 that there were several villages on the ocean side near the entrance of the Raritan River, but that there was not even one for about a sixty-mile stretch between the entrance to the Raritan and the Delaware Bay" (Kim 1978:5).

Before the arrival of Philip Carteret, English Military Governor Richard Nicolls had allowed migrants from New England to take up farms west of the Hudson River, in what would become Essex, Union and Middlesex Counties. In exchange for the privileges of establishing an assembly and a headright system, the migrants had agreed to pay a small annual quitrent to the Duke of York. The proprietors, Berkeley and Carteret, recruited colonists on similar terms, except they assumed they would be receiving the rent money. The duke's gift caused so much confusion that it was unclear who owned what in New Jersey (Wacker 1982:199; Kim 1978:8; Pomfret 1964:8-10; Divine et al. 1995:51-53; Halsey 1882:8-9; Bureau of Electronic Publishing 1995).

Berkeley soon tired of the venture, and, in 1674, sold his share to a group of surprisingly quarrelsome Quakers. This sale resulted in the division of the colony into two separate governments, known as East Jersey and West Jersey. Carteret and his heirs tried unsuccessfully to turn a profit in East Jersey, while the West Jersey Quakers went bankrupt. In 1702, the Crown reunited the two Jerseys into a single royal colony, but, while recognizing New Jersey as an independent colony distinct from New York, forced the two colonies to share a Colonial governor from 1702 until 1738. In 1700, the population of New Jersey stood at approximately 14,000. Its residents lived on scattered, often isolated farmsteads; with villages of more than a few hundred people rare. The New Jersey Legislature considered the northwestern portion of the colony, including the present location of PICA, uninhabited in 1707 (Pomfret 1964:21; Wacker 1982:200-209; Divine et al. 1995: 53; Bureau of Electronic Publishing 1995; Manning 1982:43-46, 49-53; Halsey 1882:17-18).

#### 4.2.2.2 *Local Overview*

Picatiny Arsenal was initially part of Burlington County, when counties were first created for West Jersey in 1694. Later, about the same time that the Rockaway area began to be settled (circa 1714), the area was reclassified as part of Hunterdon County. Finally in 1739, the area was included in Morris County, named in honor of Lewis Morris, then Colonial governor of New Jersey (the first governor after New Jersey's political separation from New York). During the initial municipal division of the county in 1740, the installation area was included within the boundaries of Pequannock Township, which had been informally organized in 1720 within Hunterdon County. Created in 1844, the present Township of Rockaway was hewn from the Townships of Pequannock and Hanover. The southern portion of Rockaway was removed in 1913 to form the Town of Denville (Halsey 1882:20; Pitney 1914:5-6, 158; Rutsch and van Voorst 1991:11-12; Fitch and Glover 1990: B-145).

After the Highlands was organized into counties and townships, developers sought to link the area with the rest of New Jersey. Opening in 1801, the Morris Turnpike connected Elizabethtown to Morristown, allowing for increased access and trade to the sparsely populated uplands (Halsey 1882:66). The Union Turnpike (now Route 15 and the present road between Spicertown and the installation) connected Morristown to Sparta, Sussex County, through Dover and Mt Pleasant and was the first turnpike established in the vicinity of the project area (c. 1805) (Fitch and Glover 1990:B-151; Rogers 1931:7; Halsey 1882:66). Further, the Mt Hope and Longwood Turnpike (after 1815) traversed part of the installation before going over Green Pond Mountain to Longwood valley (Rogers 1931:7).

The rugged, hilly terrain of northwestern New Jersey, with its concomitant stony soil and steeply sloping topography, did not readily attract settlers who relied predominantly on cultivating crops to survive. While those agricultural activities that were conducted in the mountains probably provided generally unfavorable results for those early colonists who did reside there, the Highland ridges were well suited to support mining and related industrial endeavors, particularly iron working. The valleys in the New Jersey Highlands region were initially settled after the year 1700 by English, German and Swiss laborers who worked in the various industries related to manufacturing iron products. Historical records indicate several iron forges and mines were

located in the vicinity of Picatinny during the 18<sup>th</sup> century (Halsey 1882). Moreover, while settlement of the region increased after 1750, parcels within the installation changed hands repeatedly with the vicissitudes of the iron economy. Therefore, historic archaeological resources within Picatinny have the potential to reveal significant information on the development of early industrial settlements and rural farmsteads in one of the least accessible areas of the colonial period. Additionally, the study of the historical and economic changes affecting these communities has the potential to reveal significant data on the changing pattern of social relationships within the rural/industrial community as it became enmeshed in broader, more national economic trends and patterns. Moreover, recovered materials may provide important data on early Arsenal related development during the period of the U.S. rise to world prominence. In sum, due to its location in the mineral rich Highlands, the early patterns of making iron, and continuous operation of a military arsenal since 1880, the Picatinny area is very sensitive for historic archaeological resource (Halsey 1882; Rogers 1931; Rutsch 1999). A brief discussion of known historic period archaeological resources found on the installation and within the region appears within Section 2 of the HPC.

#### 4.2.2.3 *Non-Military/Civilian Industrial Contexts (circa 1749-1890)*

Most historic resources pre-dating the installation's establishment are associated with the historic context of iron works tract or forge farm management from circa 1749 to 1890. (The establishment of the Lake Denmark NAD beginning in 1891 left part of the Denmark Forge tract in private hands for a decade after the beginning of the development of Picatinny itself [see HABS/HAER 1985:1, 20]). Three (3) general phases characterize this period, each with distinctive and sometimes overlapping patterns of industrial development:

- iron production on forge tracts circa 1749-1870 as part of a regional iron industry, with forge activities occurring in association with sawmills, gristmills, charcoal kilns, farmsteads, roads, and other landscape features;
- farming, lumbering, and ice operations continuing on forge tracts in the mid-19<sup>th</sup> Century, after local iron manufacturing, other than ore production, had ended; and
- attempted development of forge tracts as recreational and residential property circa 1840-90.

Although there are unresolved research issues pertaining to known or potential historic sites, good summaries of what is already known about many pertinent aspects of Highlands regional iron manufacture appear in published and unpublished works (e.g. Gordon 1996; Rutsch et al. 1986; Rutsch 1999; Schenck 1992). This discussion focuses on the most distinctive features of the forge tract historic context, reviews the current status of information available for cultural resource planning and sensitivity, and identifies research issues which could require further archaeological investigation.

#### 4.2.2.4 *Forge Tracts During the Period of Wrought Iron Manufacture*

Historic settlement in the Highlands region, including northern Morris County, was based primarily on the use of extensive magnetite ore deposits to make cast or wrought iron products with charcoal fuel. Iron manufacture in this region, and in other European-American areas between southeastern Massachusetts and the Ohio and James drainages, required not only ore but access to other critical resources. Manageable waterpower sites were necessary to drive forge or blast furnace equipment. Charcoal-based iron manufacture required large forest tracts. Road or water connections were essential from often-remote iron production areas to local or regional centers. Draft animals, critical to moving wagon-loads of charcoal and iron among production sites or to points of distribution, needed fodder. Ironworkers and their families needed grain, meat, vegetables and lumber for food and shelter, regardless of how prosperous an ironworks was in different years or seasons.

When iron manufacture in Britain's American colonies became well established during the half century prior to the Revolution, entrepreneurs addressed these problems in ways which varied by scale of operation, terrain, waterpower sources, colonial settlement patterns, and systems of land distribution. In New England, where settlement generally expanded in townships with lands divided among proprietors in relatively small lots, forges and furnaces often operated within agricultural communities. Ironmakers purchased many of their supplies from farmers and mine operators, sometimes expanding forested holdings to assure adequate charcoal supplies. South and west of New England, large land grants often gave ironworks owners control of areas for production of charcoal, lumber, fodder, and some food for human consumption. Self-sufficiency on large forge or furnace tracts varied with terrain, soils, and the amount of land required for charcoal production; some enterprises grew nearly all their own food. Whether grown or purchased, food was often re-sold to tenant workers at stores run by the ironworks owners. Overall, the full range of variation among management patterns at 18<sup>th</sup> century and 19<sup>th</sup> century American forge or furnace tracts remains incompletely documented.

During the mid-18<sup>th</sup> century, 3 forges were established either near or within what would become Picatinny Arsenal and along the Green Pond Brook valley (Figure 4.4):

- Mount Pleasant Forge, founded in 1748 and subsequently known as Lower Forge (likely disturbed by the current expansion of Rt 15);
- Picatinny Forge, founded in 1749 and also known as Middle or Aetna Forge after 1772. Examples of artifacts found at the Middle Forge are shown below within Figures 4.5 and 4.6; and
- Burnt Meadow or Denmark Forge, founded in 1750 and known as Upper Forge (Figure 4.7).

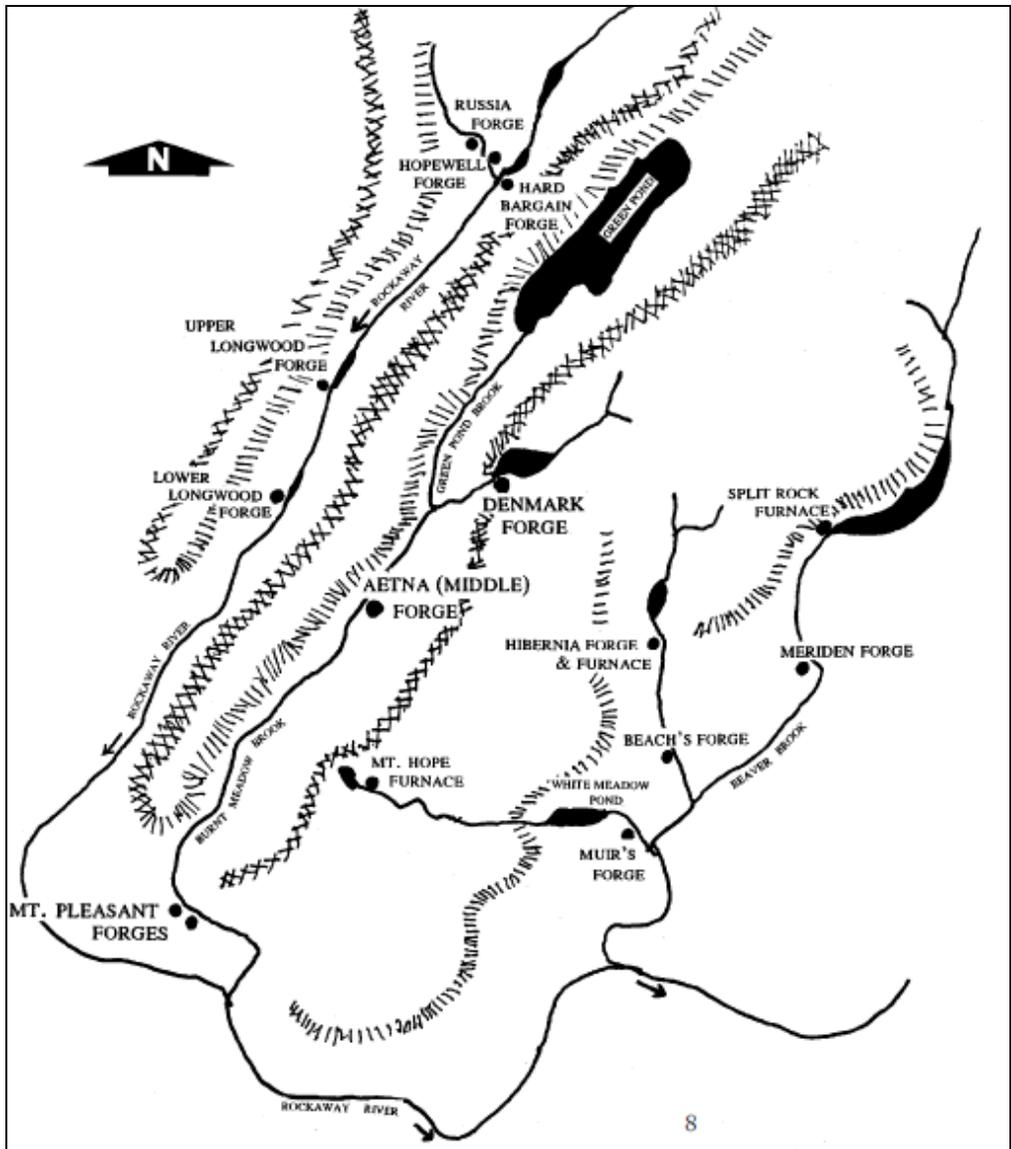
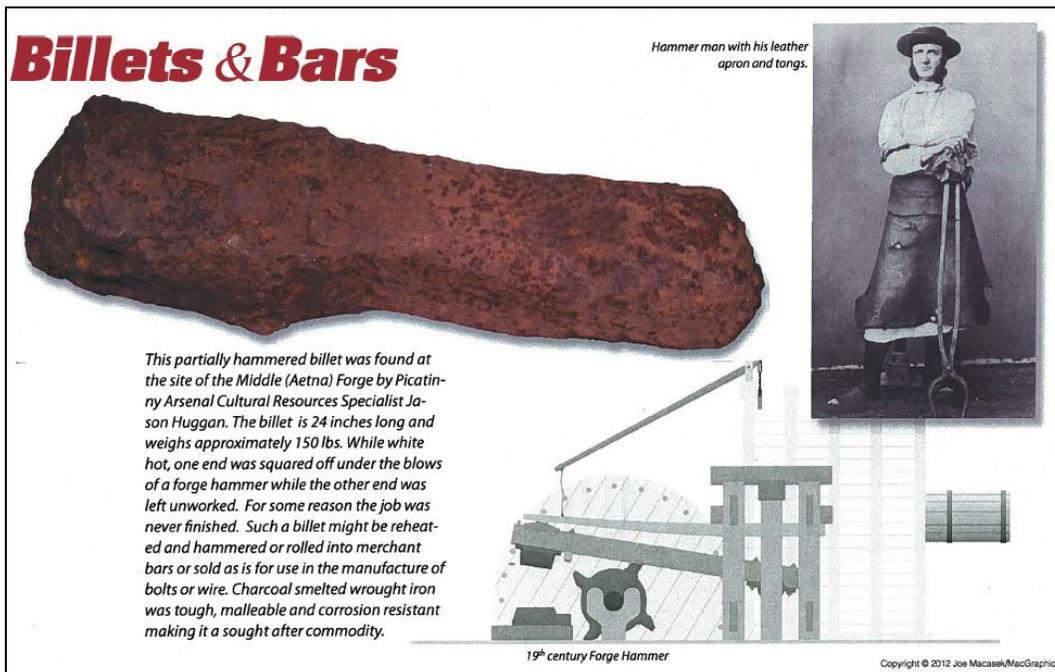


Figure 4.4. Depiction of 1828 Gordon map illustrating the locations of the forges and furnaces within Picatinny's region (Rutsch 1999:8, Figure 6).



**Figure 4.5.** Tools found at the Middle Forge at Picatinny as shown on the Middle Forge Monument in front of Bldg 151 (Rutsch 1999:Figure 1).



**Figure 4.6.** Illustration of 19<sup>th</sup> century forge hammer and the making of pig iron billets and bars as shown with an unfinished billet found within the vicinity of the Middle Forge (Macasek 2012).

These iron forges were constructed on tracts of 4,000 to 6,000 acres, including pastures or meadows supplying animal feed, but like many Highland forge tracts the limited areas of arable land required importing food from more agricultural areas in southern Morris County (Dew

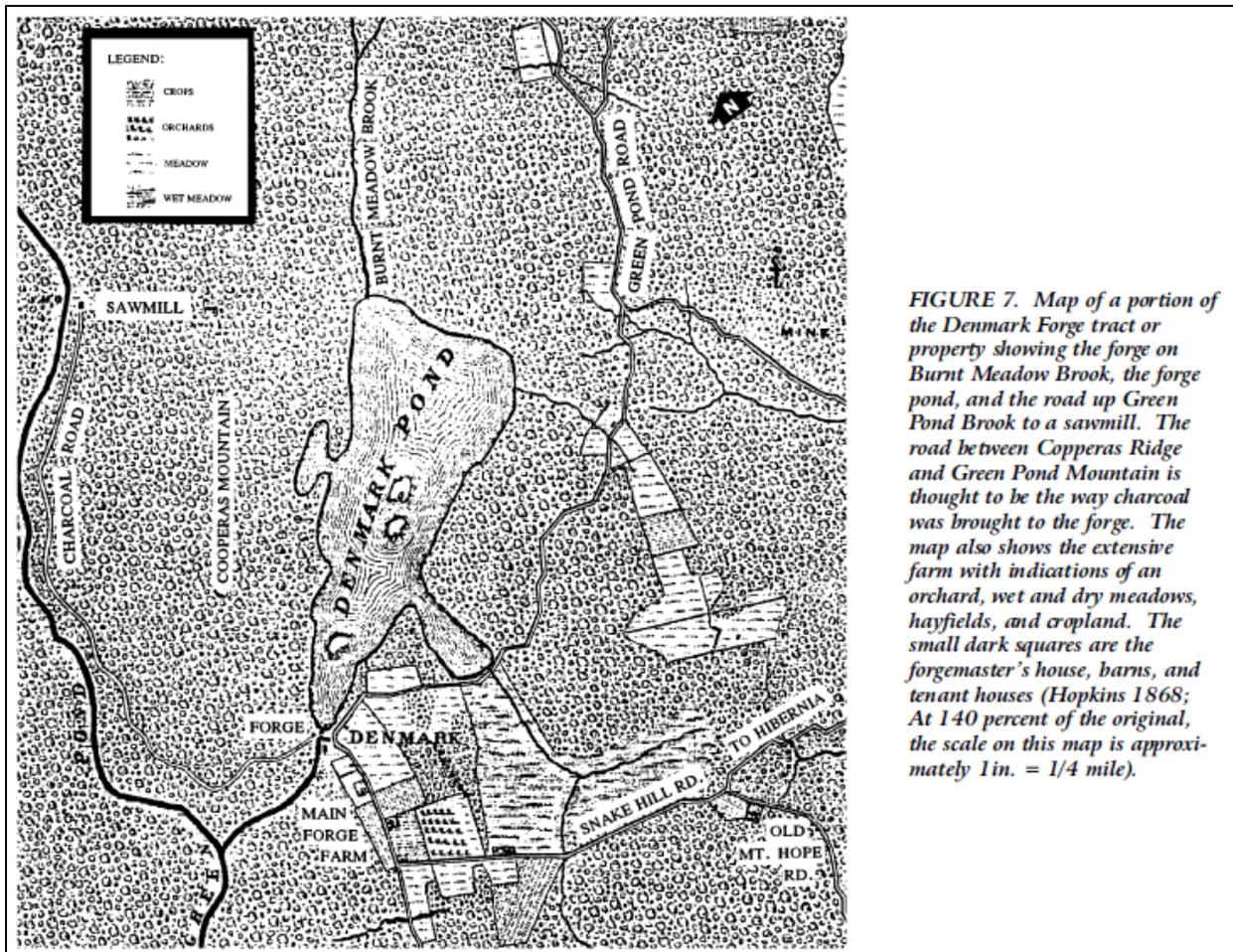
1994:9; Rutsch 1999; Gordon 1996:55-89; Rutsch et al. 1986:21-22).

The principal site types or landscape features associated with these forge tracts during the iron-producing phase included:

- iron mines;
- bloomery and/or finery forges, including the short-lived Merritt Forge on former Denmark Forge property (circa 1840);
- sawmills and gristmills at or near the Mount Pleasant and Denmark (Lower and Upper) forges;
- dams, ponds, and small holding ponds providing waterpower;
- raceway systems from the dams to forge, sawmill, and gristmill sites;
- public house and a store near the Mount Pleasant forge;
- temporary charcoal kilns;
- roads linking the forges to Dover (south of Picatinny), to mines and furnaces at Mount Hope and Hibernia, and to charcoal forest tracts, such as Mount Hope Ave, Lake Denmark Rd, Middle Forge Rd, and the early Phipps Rd connecting to Union Turnpike (now Rt 15);
- probable blacksmith, carpenter, and other undocumented shops;
- homes for ironmasters and workers, often associated with stonewalls and small fields, garden plots, or pastures;
- enclosed croplands, orchards, and meadows for hay or pasture in valley floor areas; and
- at least one (1) cemetery (Walton Burial Ground).

There were several sites with more remote or undocumented links to the forge tracts, including 2 reported 18<sup>th</sup> century limestone quarries, which could have provided flux to the Mount Hope blast furnace (Rogers 1931:7). The Denmark Forge tract also included a mine operated during some of the mid-19<sup>th</sup> century northeast and southeast of Lake Denmark which has been identified most recently as Site 28-Mr-365 (Hopkins 1867).

In the lower-lying portions of the Green Pond Brook drainage, installation construction and the building of Rt 15 have altered most traces of forge farm landscape beyond recognition. The principal industrial components of the forge tracts during the period of iron manufacture have been buried or disturbed. In undisturbed areas, generally at higher elevations, some domestic and agricultural components survive as foundations or field walls, and traces of sawmill and charcoal kiln activities have also been found (Rutsch et al. 1986; Sandy and Rutsch 1992). Former forge farm components are generally not parts of an intact historic landscape, except perhaps in small areas around farmsteads (Figure 4.7). Any surviving industrial components must be considered as individual sites, within the contexts of Picatinny forge tract histories and of contemporary American site types. Predominant site types of this context are discussed below and include mines, forges, forge waterpower systems, sawmills and gristmills, and charcoal kilns.



*FIGURE 7. Map of a portion of the Denmark Forge tract or property showing the forge on Burnt Meadow Brook, the forge pond, and the road up Green Pond Brook to a sawmill. The road between Copperas Ridge and Green Pond Mountain is thought to be the way charcoal was brought to the forge. The map also shows the extensive farm with indications of an orchard, wet and dry meadows, hayfields, and cropland. The small dark squares are the forgemaster's house, barns, and tenant houses (Hopkins 1868; At 140 percent of the original, the scale on this map is approximately 1 in. = 1/4 mile).*

**Figure 4.7.** Depiction of the Denmark Forge tract and its associated structures and farmstead lots as shown on the 1867 Hopkins map of Iron Mines in Morris Co (and described by Rutsch 1999:10, Figure 7).

**4.2.2.5 Mines**

Mines were reputed to have been worked in what would become Morris County as early as 1685, and in 1719 a mine was discovered that was alleged to have been worked by early Dutch settlers (Halsey 1882:15, 18-19; Pitney 1914:3).

Dating to 1710, Mt Hope Mine is reputed to be not only the oldest mine in Morris County, but in the country as well. The mine was purchased by ironmaster Jacob Ford in 1750, and later acquired by ironmaster John Jacob Faesch in 1772 (Halsey 1882:53; Fitch and Glover 1990:B-146; Acroterion 1986/87:1; Form #1435-035). A Swiss formerly employed by the American Iron Company (also known as the London Company), Faesch would make cannon, shot and other iron implements for the American soldiers during the Revolutionary War (Myers 1984:7; Klein et al. 1986: 1-12, 2/9-10).

The discovery of iron ore in the Mesabi Range in Minnesota and cheaper Lake Superior shipping doomed the Highlands iron industry. Even during the industry's most productive years,

other economic endeavors emerged in the Green Pond Brook valley. Historic maps reveal farmsteads in the region after the Civil War, although the settlement pattern throughout the valley remained dispersed along existing roadways and clustered at the southern ends of Picatinny Lake and Lake Denmark (Rutsch 1999:19-21; Fitch and Glover 1990:B-151, B/154-155; Acroterion 1986/87:4; Sandy and Rutsch 1992:34-37). As transportation networks improved access to iron industrial sites beginning in the 1830s, the pleasant environment of the Highlands became the setting for summer resorts and vacation getaways. An 1844 account of the Green Pond area included bucolic descriptions of a resort "abounding in fish, and surrounded by wild, romantic scenery" (noted in Klein et al. 1986:2-11). Rutsch adds, "The forge ponds made excellent swimming ponds, and soon the stops on the rail line were used by patrons of summer boarding houses, hotels and cottage communities" (1995:30). By 1876 the Denmark Land and Improvement Company had purchased land around Green Pond and was building roads to develop the residential potential of that area, but by the middle of the 1880s, those plans had been abandoned (Sandy and Rutsch 1992:45-46; Halsey 1882:358-359; Rogers 1931:8; Acroterion 1986/1987:4-6).

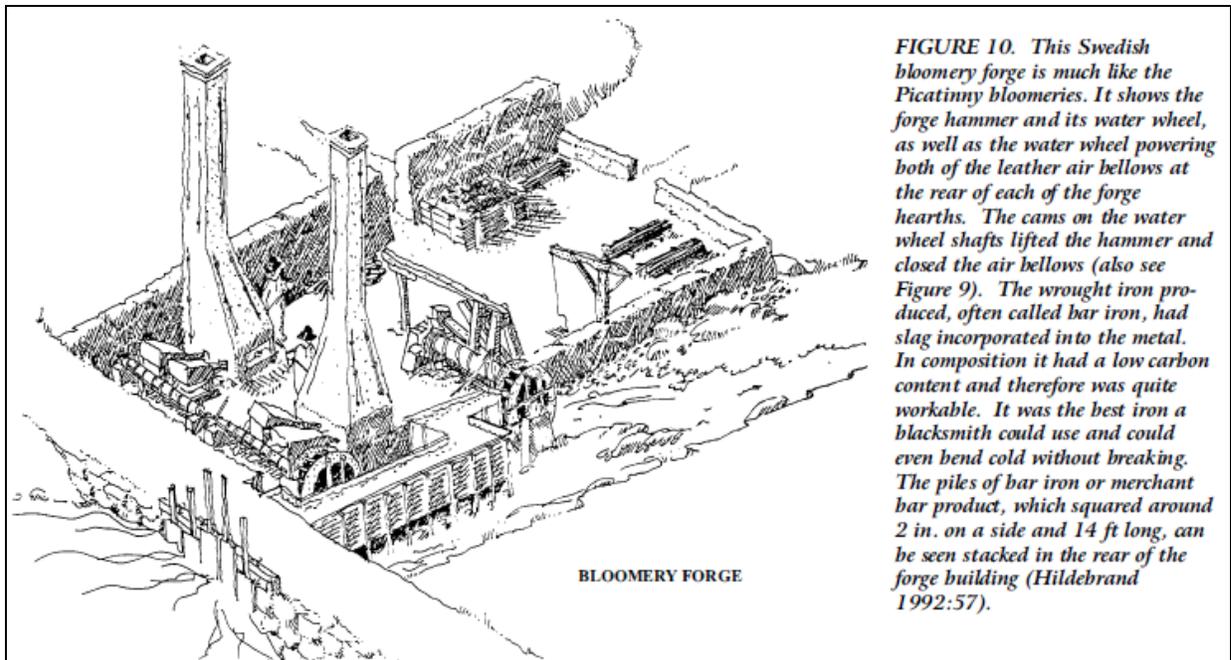
At the turn of the 20<sup>th</sup> century, only twenty (20) iron mines in the Highlands were in operation, including the Mt Hope Mine, which had passed to the control of the Empire Steel & Iron Company. The decline of the iron industry continued through the 20<sup>th</sup> century and resulted in an ebbing of the region's population over the next forty years to a low of 2,423 in 1940 (Fitch and Glover 1990: B-155; Sandy and Rutsch 1992:37). By 1882 the Denmark Forge was no longer in operation and was followed into inactivity five (5) years later by the Denmark Mine (Sandy and Rutsch 1992:53). The Denmark Mine was documented at Picatinny Arsenal just north of the Heliport along Snake Hill Rd and towards Lake Denmark Rd (28-Mr-365).

#### 4.2.2.6 *Forges*

Forges are the most important, but in many ways the least-documented historic industrial site type on forge tracts, both in New Jersey and elsewhere in North America. Two principal, alternative forge functions were directed at the production of ductile, low-carbon wrought iron: the direct reduction of iron ore to wrought iron in a bloomery forge; and the production of wrought iron from blast-furnace-made, high-carbon pig iron in a finery forge. The latter process required 2 major steps instead of one, and is referred to as an indirect process. Distinguishing bloomery forges from finery forges is often archaeologically difficult in the absence of documentary evidence. Bloomery- or finery-made wrought iron samples are not metallurgically distinct, and available information suggests much similarity in equipment and power supply. Both types of forges would include at least one hearth and one large power hammer, which descended on an anvil all of these enclosed in a stone-walled building. Shafts from (usually multiple) water wheels drove bellows supplying air to the hearth(s) through one or more pipes (tuyeres), and turned cam rings to raise hammers. Waterpower systems (e.g., raceways, flumes, and waterwheels of several possible designs) were most likely built around the exterior forge building walls. The differences between bloomery and finery equipment, while not fully documented, were probably sufficiently limited that conversion between direct and indirect processes was not difficult; a finery forge could also likely be used for bloomery operations. For areas such as the Highlands, limited available archaeological data suggest finery forges used two hearths- a "fining" hearth, or finery, to decarburize pig iron; and a "chafing" hearth, or chafery, to reheat the lower-carbon, more malleable

iron prior to, and during the drawing of wrought iron into bars under the hammer. Bar iron was the most common commercially-useful product of bloomery or finery. The full range of hearth designs and closely related variations in loading pig iron into a finery, remain unknown (Gordon 1996: 90-8, 126-8, 252; Schenck 1992; U.S. Steel 1957: 209-10).

In the 18<sup>th</sup> century, bloomery operations could be established with less capital than a blast furnace, but a successful blast furnace could produce enough pig iron to supply a number of finery forges in addition to making cast-iron hollow ware or cannon. At least during peacetime, bar iron was a more valuable, exchangeable, and useful commodity than pig or cast iron, so a blast furnace operation was more commercially successful if it included a finery forge component. Although not yet fully substantiated, it is highly likely the Picatinny forges established circa 1749 began as bloomeries closely tied to local mines, and converted to fineries after the opening of blast furnaces at nearby Hibernia, Charlotte Furnace, Split Rock and Mount Hope circa 1760-1772. At different times between 1778 and his death in 1799, John Jacob Faesch managed some or all of the forges as part of an integrated iron manufacturing operation with the Mount Hope mine and blast furnace. During the 19<sup>th</sup> century, these forges were evidently operated separately under numerous owners, some of whom controlled other local iron interests. Documentary evidence from the Mount Pleasant property indicates the 19<sup>th</sup> century forge work there involved continued wrought iron production. It is assumed, again without full documentation, the forges continued to operate as fineries. Pig iron, ore or other 19<sup>th</sup> century metal sources for the forges have never been specified, and could have varied widely as transportation networks grew and local blast furnace operations fluctuated. In addition to local pig iron, the forges could have used scrap to create new bar iron, and/or used ore for some bloomery operations. It is also unknown if any of the forges partook of 19<sup>th</sup> century process improvements adapted at Adirondack-area bloomeries and elsewhere, such as the pre-heating of the air blast with hearth waste heat (Gordon 1996:94-96; Morrell 1996; Rutsch 1999; Rutsch et al. 1986:42-67, 134-41; Figure 4.8).

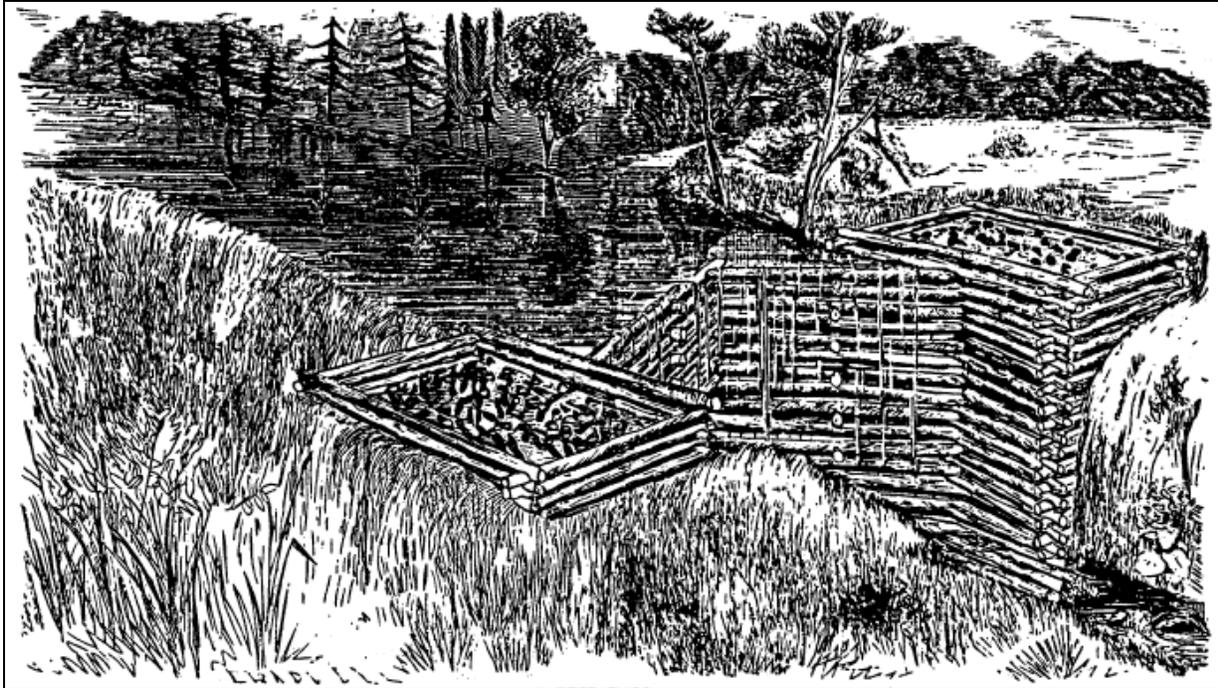


**FIGURE 10.** This Swedish bloomery forge is much like the Picatinny bloomeries. It shows the forge hammer and its water wheel, as well as the water wheel powering both of the leather air bellows at the rear of each of the forge hearths. The cams on the water wheel shafts lifted the hammer and closed the air bellows (also see Figure 9). The wrought iron produced, often called bar iron, had slag incorporated into the metal. In composition it had a low carbon content and therefore was quite workable. It was the best iron a blacksmith could use and could even bend cold without breaking. The piles of bar iron or merchant bar product, which squared around 2 in. on a side and 14 ft long, can be seen stacked in the rear of the forge building (Hildebrand 1992:57).

**Figure 4.8.** Portrayal of a Swedish bloomery forge (as described by Rutsch 1999:14, Figure 10).

#### 4.2.2.7 Forge Waterpower Systems

At the 3 major Picatinny forge sites, 18<sup>th</sup> century creation of ponds large enough to power forge and nearby sawmill or gristmill equipment would have required substantial dams. Various 19<sup>th</sup> century maps show the 3 ponds as large landscape features. While Green Pond Brook valley terrain may have allowed for relatively short dams at meadow locations, the forge dams were probably rather high (10 to 20 feet [3 to 6 meters]) to create these sizable impoundments. Existing summaries of historic data do not include any documentation of 18<sup>th</sup> century or 19<sup>th</sup> century dam construction. The most likely dam designs were timber-framed structures filled with rock and earth, possibly set on log or pile footings. Timber framing could have taken the form of notched-log boxes or cribs, or series of triangular log or timber frames tied to sills set perpendicular to the brook's flow (Figure 4.9).



**Figure 4.9.** Logs notched together as crib shaped made for easily constructed dams of locally available materials (Rutsch 1999:12, figure 8 as cited by Leffel 1881:22).

Below the dams, raceways carried water to and away from prime movers of undocumented designs. Channel features below the dam at Picatinny Lake, once the power source for the Middle or Aetna Forge, suggest at least some of the raceways were stone- or even brick-lined. All of the forges would have been powered initially by wooden waterwheels, although no information was available on whether any of these sites converted to metal turbines in the mid-19<sup>th</sup> century.



**Figure 4.10.** Circa 1940s photo of a soldier sitting on what may have been a former stone dam associated with the Denmark Forge (Picatinny Arsenal Archival Collections, courtesy of Dr. Patrick Owens).

The deep footings or excavations required for waterpower system construction at the forges make it likely some system remains could survive. Management of the forges on a common stream may have required coordination of water impoundment or release among forge operators, a topic which could be addressed by combining physical and documentary evidence, including identifying or inferring precise dam locations and elevations. In addition to associations with forge histories, forge dams, races, or waterwheels could be significant for broader understanding of American engineering history. Vernacular design of 18<sup>th</sup> and 19<sup>th</sup> century water control structures, such as dams or bulkheads, appears to have varied widely, relative to site constraints, available construction material, and the builders' experience. Documentation of these variations remains at a very preliminary stage.

#### 4.2.2.8 *Sawmills and Gristmills*

Waterpowered sawmills and at least one gristmill was associated with some or all of the Picatinny forge tracts at different times during this phase of iron manufacture. During the 18<sup>th</sup> and early 19<sup>th</sup> century, these mills probably served largely to meet the needs of forge tract families, workers, and forge operations. By circa 1840, local forge operations were probably contracting in the face of larger anthracite-fueled puddling works making more bar iron at less cost than fineries or many bloomeries. The expansion of canal and rail networks, critical to anthracite iron

development, stimulated Highlands ore production and contributed to the growth of home-building population centers. In response to these changes, forge tract owners shifted their sawmill operations to production and sale of lumber, mine and railroad ties, and barrel staves. Little is presently known about any changes in use at the Mount Pleasant gristmill, although the mill operated through at least the late-19<sup>th</sup> Century (Rutsch 1999).

The changing role and expanded scale of sawmill operations appears to have led, in at least one case, to construction of a new sawmill on Green Pond Brook in the Denmark Forge tract by circa 1850. The mill's location was far from the original site of waterpower use on this tract but closer to forest resources. Based on field observations and available information on 18<sup>th</sup> and 19<sup>th</sup> century sawmills, all known sawmills were waterpowered. Evidence for the deployment of more portable steam-powered sawmills, generally in use after the Civil War, was not available for mills on the forge tracts (Gordon and Malone 1994:60; Rutsch 1999; Sandy and Rutsch 1992:43-45). In the absence of superstructures, and given relatively abundant information on contemporary historic American sawmill equipment; any buried equipment remains from the mills are unlikely to survive with sufficient integrity to provide significant new information (Candee 1970; Englund 1982; Gordon and Malone 1994: 64-67, 75-76, 238-41; Penn and Parks 1975; Wilson 1977). Buried foundation remains could, however, include additional information on one or more episodes of vernacular site engineering associated with dam, tailrace, and mill construction.

As outlined above, sawmills built near the forges were associated with relatively large investments in dam and pond construction, designed to assure maximum water supply to the forges. Smaller-scale hydropower development associated with sites such as the Bruden sawmill were more typical of 18<sup>th</sup> century and 19<sup>th</sup> century sawmill developments (Site 28-Mr-360). Although mill foundation and dam remains from such sites are widespread, there has been very little detailed study of hydropower and mechanical arrangements at these installations. Vernacular engineering decisions about site selection and improvement are very under-documented. Such decisions include the location and type of dam relative to drainage characteristics, the type and size of prime mover, and the arrangement of raceways or other landscape modifications to maximize captured mechanical power (Lance 1994). The smaller sites are generally poorly documented, and usually originated as single-dam installations without more extensive upstream storage systems. Generally established on streams small enough to control with limited dam construction, many sawmills lacked sufficient flow or storage to allow for year-round operations, which sometimes lead to the use of multiple ponds. The greater attention given to some larger complexes, including many with storage reservoirs has highlighted the limited hydrological or geological information available for decision-making until the second half of the 19<sup>th</sup> Century (Gordon 1985).

#### 4.2.2.9 *Charcoal Kilns*

Charcoal kilns, and roads leading from them to the forges, would have been prominent parts of the forge tract landscape during the phase of iron production. These kilns were presumably used for more than a century while Green Pond Brook valley charcoal iron manufacture involved well-documented methods of manufacture in pits, or meilers, where colliers fired piles of wood covered with sod and charcoal dust (e.g. Gordon 1996: 34-37).

#### 4.2.2.10 *Forge Tracts After the Period of Wrought Iron Manufacture*

The end of wrought iron manufacture at forges is not well documented but probably occurred between 1840 and 1870. As forge operations dwindled and ended, forge tract owners sold at least some of the small farmsteads once occupied by tenant workers. The Denmark Forge tract was extensively subdivided prior to establishment of the Lake Denmark NAD, with some tracts sold to prospective mine or forge developers. Since links often existed among ownership of forge and ore extraction sites in the Highlands region, mine development, or sale of mining rights, may have been another response of some forge tract owners to shrinking forge profits. At least 3 19<sup>th</sup> century iron mines were opened or explored on or near the Denmark Forge tract, one of which is on installation property. Known as the Denmark Mine (Site 28-Mr-365), this site has remains of what are probably late-19<sup>th</sup> century exploration pits, but probably lacks equipment or other significant evidence of mining technology (Perry 1996).

Forge tract owners also engaged in a variety of other strategies to secure income from their holdings. One approach involved off-site sale of renewable resources, beginning with sawmill products, as discussed above, and probably continuing with ice harvesting for shipment to growing metropolitan areas. Some of the sawmill sites or resources which opened during the period of wrought iron manufacture are likely to have remained in operation during this period, although no other sawmills are known to have opened after the forges closed. Ice harvesting, inferred from broader patterns of Highlands history, has not been documented for Picatinny. Ice harvesting sites could include remains of ice houses, short track sections from lakesides to ice houses, and wagon road connections from ice houses to main roads or rail stations in the Green Pond Brook valley. Although not likely to produce new information on such sites, remains of ice harvesting sites could provide new information on the late history of forge tracts (Rutsch 1999; Sandy and Rutsch 1992:48).

Elsewhere in the Highlands, some forge tract owners tried to develop their properties as recreational and residential assets, beginning as early as the 1830s. While there is as yet little documentation of this strategy among forge tract owners, Denmark Forge tract owners evidently participated in several such attempts. The Denmark Land and Improvement Co. tried to develop access to building lots around Green Pond, northwest of the installation, in the mid-1870s with a road up Green Pond Brook from the Denmark tract. This scheme failed, in part probably because of the lack of rail transportation anywhere near Green Pond Brook valley.

During the mid-1880s, after installation development was underway, the Morris County Railroad was built through the valley to serve the installation and mining operations further north. The Morris and Essex Railroad (which was incorporated in 1835 to connect Morristown with Newark and Elizabethtown) effectively replaced the Morris Canal by 1865 as the chief method of freight shipment. Spurs from the main route went to Rockaway and Dover by 1848 (Halsey 1882:69-70; Rutsch et al. 1986:75; Acroterion 1986/1987: Form #1435-035).

In 1866, the Mount Hope Mineral Railroad was chartered with authorization to build a line from the mines [at Mount Hope] to Port Oram [now the Borough of Wharton] which included connections with the Morris & Essex Railroad [later Delaware,

Lackawanna & Western Railroad] and Morris Canal. This route allowed access to other important mines...and by 1867 to Hibernia [Acroterion 1986/1987 Form #1435-035; see also Rutsch et al. 1986:75; Halsey 1882:358].

By 1873, the mines of the Mt Hope Mining Company were excavating over 100 tons of iron ore annually (Rutsch et al. 1986:78). The Panic of 1873 and subsequent depression of the mid-1870s nearly killed all mining activities for the rest of the decade (Rutsch et al. 1986:79). Other railroads in the vicinity of the installation area included: an 1874 line from Charlotteburg south to the Green Pond Iron Mining Company's Copperas Mine, which went bankrupt a year later (Klein et al. 1986:2-11; Fitch and Glover 1990:B-155); the Wharton and Northern Railroad and the Morris County Railroad Company which traversed the installation after 1887 and connected the Delaware, Lackawanna & Western Railroad and the Central Railroad of New Jersey at Wharton with the Erie Railroad at Green Pond Junction (Rogers 1931:53-54).

In relation to this railroad development, the Lake Denmark Hotel built at or near the forge site shortly before establishment of the Naval Powder Depot, was probably an attempt to take advantage of improved access (Rutsch 1999; Sandy and Rutsch 1992:45-46; potentially Site 28-Mr-334, pending further research). The railroad, later part of the Wharton & Northern after 1905, was the only other civilian historic industrial development on the forge tracts. Remains of this system are pending NRHP evaluation, along with the documentation of 3 railroad stations at Picatinny (2 stations), Lake Denmark NAD, and Lake Denmark itself. These civilian railroad structures could provide new information about late forge tract uses, such as access for passenger, ice, or ore traffic.

#### *4.2.2.11 Arsenal History*

Established on September 6, 1880 as the Dover Powder Depot by Special Orders No. 189 under the command of Major Francis H. Parker of the Ordnance Department, Picatinny Arsenal's initial purpose was the storage of "powder, projectiles, and explosives, both for reserve supply and for issue; also for the preparation and issue of these stores" (Rogers 1931:53). A Board of Ordnance Department Officers chose the Green Pond Brook valley near Dover as the location of the depot based on several criteria: the site had to be a sparsely populated region near New York City, capable of storing a large amount of powder, and, accessible by train (Acroterion 1986/87:3-4; Fitch and Glover 1990:B-160; Rogers 1931:10). Once the site was selected on February 28, 1880, the Ordnance Board began purchasing land in the valley, which included both wooded hillsides and level valleys. Between 1880 and 1881 the government acquired 1,866.12 acres (746.5 ha) from various owners for a total of \$62,750, or about \$34 per acre. Table 4.1, below, depicts the initial land purchases in the Green Pond Brook valley for the creation of Picatinny Arsenal. After Major Parker requested that the installation's name be changed, the new depot became Picatinny Powder Depot on September 10, 1880 with construction beginning six days later. From 1893 until 1907, the facility was also known as the U.S. Powder Depot (Fitch and Glover 1990: B-160; Rogers 1931:10-11).

Property Owner	Amount of Purchase in acres (hectares)	Amount Paid	Date
George E. Righter (Middle Forge)	1,195.8 (478.3)	\$35,874	26 June 1880
Uel H. Wiggins & wife	167.32 (66.9)	\$ 8,500	17 July 1880
Edward C. Fielder et al. (Denmark)	304.2 (121.7)	\$ 9,126	30 July 1880
Henry and Michael Doland	11.0 (4.4)	\$ 750	20 August 1880
John E. Kindred	187.8 (75)	\$ 8,500	5 March 1881
Lewis H. Spicer & wife	8.5 (3.4)	\$ 200	12 May 1881
Morris County RR	9.3 (3.7)	\$ 1.00	1 February 1887

**Table 4.1.** Initial land purchases for Picatinny Arsenal (Rogers 1931).

Between 1880 and 1890, construction activities focused on the erection of storage magazines, officer's quarters, and service facilities. The first powder storage magazine was completed in 1881 with the storage capacity of 10,000 pounds of black powder. With 4 powder magazines completed by November 1886, the depot received its first shipment of powder (300,000 pounds) for storage later that month (Klein et al. 1986:2-12; Fitch and Glover 1990: B-164). To facilitate access to the installation and the general shipment of freight, the Morris County Railroad began building a rail line through the depot in 1886. By 1887, 232 miles of track traversed the powder depot and connected it to the Delaware Lackawanna and Western Railroad and the Dover Central Railroad of New Jersey at Wharton. A privately owned line called the Wharton & Northern Railroad also ran through the installation and maintained 5 associated stations. Seventy men were employed at Picatinny Arsenal and 900,000 pounds of powder were stored at the facility by that time (Klein et al. 1986:2-12; Fitch and Glover B/164-166; Rogers 1931: 53-54, 71; Rutsch 1999:19-21).

In June 1891, 315 acres (126 ha) of Picatinny Powder Depot land near Lake Denmark were ceded to the Navy for the establishment of a powder depot. After vacating its powder magazine on Ellis Island in New York harbor, the Navy utilized the Lake Denmark NAD facility as its primary depot on the east coast. Storing powder, ammunition, high explosives and artillery shells, Lake Denmark NAD was enlarged when the Navy acquired over 146 additional acres (58.4 ha) in two purchases in 1902. By 1892 a shell house, a storage magazine and three residential structures were complete (Rogers 1931:29-31; Klein et al. 1986:2/12-13; Fitch and Glover 1990:B/166-168; Harrell 1996:6).

Historical development within the installation has been concentrated in the areas south and east of Picatinny Lake, which included most of the region initially purchased by the United States in 1880-1881 (Rogers 1931:58-61, 77; Harrell 1996). Construction phases at the arsenal dovetail with the installation's manufacturing activities and changes in the installation's mission over time (WES 1996:73). The initial phase of development covers the Depot/Storage period from 1880 until 1907. The depot's first phase of operation involved powder storage and the assembly of cannon

charges. Between the years 1902 and 1906 armor-piercing shells were assembled at the depot where projectiles were filled with explosives, such as Maximite and Explosive "D" (Rogers 1931:54; Fitch and Glover 1990: B-168; Harrell 1996:6; Klein et al. 1986:2-13). It was during this initial phase that the installation acquired the designation of Picatinny Arsenal.

A major change in the installation's mission occurred in 1907 with the construction of the first army-owned smokeless powder factory. This activity resulted in the depot's renaming as Picatinny Arsenal, and marks the beginning of the installation's important manufacturing phase, which continued until the early years of World War II (Rogers 1931:54-55; Klein et al. 1986:2-13; Fitch and Glover 1990: B/168-169). Manufacturing increased gradually in the years before World War I as Congress approved continual expansion of the arsenal's production facilities. Picatinny Arsenal maintained sole responsibility for the assembly of fixed ammunition over .50 caliber by 1909. By 1913, the arsenal was operating a plant for the manufacture of Explosive "D," which was used in armor piercing projectiles. In late 1911, an Officer's Training School was established to provide instruction in chemistry, explosives and ballistics, as well as ammunition manufacturing processes (Rogers 1931:55-56; Klein et al. 1986:2-13; Fitch and Glover 1990: B-169). When the United States entered World War I, Picatinny Arsenal saw a rapid development of its physical plant both around Picatinny Lake and Lake Denmark to meet the exigencies of preparing for war and to accentuate its storage capabilities. During this time the development of the arsenal as a research and administrative installation also began as the arsenal provided technical assistance to the private sector producing explosives for the war effort. During the 1920s, munitions experimentation and training had replaced powder production as the arsenal's mission, foreshadowing the later expansion of the facility into a complete ammunition arsenal (Rogers 1931:54-55; Fitch and Glover 1990: B-170; Harrell 1996:7).

While the Ordnance Department was transforming Picatinny Arsenal into a center for explosives R&D through an intensive renovation and construction program, Lake Denmark NAD was constructing additional powder storage magazines. On Saturday afternoon, July 10, 1926, lightning struck the 461-acre (184.4-ha) Lake Denmark NAD, causing a series of fires and explosions throughout the southwest end of the depot. These explosions killed 19 people, including eleven Marines fighting the fires, and sent shock waves throughout the Green Pond Brook valley, destroying everything within a 3,000-foot radius of the epicenter. Beyond this 3,000-foot radius many structures were severely damaged, both within the Navy depot and the adjacent Picatinny Arsenal and among nearby non-military residences (Rogers 1931: Chapter IX; Fitch and Glover 1990:B/171-174; Klein et al. 1986:2-13).

Once the fires were extinguished, the Navy appointed a Court of Inquiry to investigate the incident. The results of the investigation led to changes in safety and ammunition storage procedures and standards. Since Picatinny Arsenal stored material similar to that stored by the Lake Denmark NAD and had been damaged by the explosions, a board of Army officers also investigated the incident. This commission recommended that Picatinny Arsenal not only be reconstructed but enlarged for the purpose of consolidating the Army's ordnance activities in northern New Jersey. Devised with the safe handling of explosives as a top priority, plans for rebuilding Picatinny called for the division of the installation into zones based on the function or activity occurring in that zone (Klein et al. 1986:2-14; Rogers 1931:94-96; Fitch and Glover 1990:

B-174 - 176). These functional zones were:

- powder and explosives production and handling;
- powder and explosives storage;
- powder and explosives testing; and,
- non-hazardous manufacturing, and offices for administration and research (Rogers 1931:94).

Between 1927 and 1937 both Lake Denmark NAD and Picatinny Arsenal were completely rebuilt. With rehabilitation nearly complete in 1931, Picatinny Arsenal became not only the major ammunition arsenal of the U.S. Army but was an important center of ammunition research, development and manufacturing. At the onset of World War II, Picatinny contained 567 buildings and produced smokeless powder, high explosives, primers and fuses, assembled artillery rounds, bombs, grenades, and pyrotechnics (flares and signals) (Fitch and Glover 1990:B/177-180; Harrell 1996). While expanding production capabilities to meet the munitions requirements of fighting a two front war, Picatinny continued to conduct research on tetryl manufacturing and nitrocellulose powder. The installation also provided explosives and powder production training to both civilian and military personnel. During the war, Lake Denmark NAD continued to operate as the Navy's propellant and projectile storage area (Fitch and Glover 1990: B/179-183). Several sources suggest that the 340 area of the Lake Denmark NAD was built to house prisoners-of-war, but no evidence has been located to document whether POWs were ever held there (Fitch and Glover 1990: B-183; Mr. Vern Shankle, personal communication 1995).

The post-war years were marked by both the Cold War and hot wars in Asia and the Middle East. During this period, Picatinny Arsenal continued as a center for R&D for new weapons systems and advances in the production process. Innovations in production processes had occurred consistently at the installation over its history and included the development of the explosive Haleite and advances in artillery fuses, grenades and pyrotechnics during World War II. These types of innovations increased after the war and included the development of photoflash cartridges and bombs, the study of plastics and adhesives in the packaging of ammunition, the research on warheads for the Nike nuclear missile and other missile programs, and the production of a tank-piercing rocket for the 3.5-inch bazooka and an atomic shell for the 250-mm gun (Fitch and Glover 1990: B/182-184).

After World War II, the Navy's Bureau of Aeronautics decided to establish a rocket engine test center on the east coast, and initiated modifications to the existing facilities at Lake Denmark. On July 1, 1948, the U.S. Naval Aeronautical Rocket Laboratory (NARL) was established there. Less than two years later, the Naval Ammunition Depot was officially disestablished and the NARL was redesignated the Naval Air Rocket Test Station (NARTS) on April 1, 1950. All physical facilities of the former Lake Denmark depot were made a part of NARTS. As it evolved, NARTS had 3 major work categories: qualification tests, preliminary investigations, and technical services, all of which were included in its mission "to test, evaluate and conduct studies pertaining to rocket engines, their components and propellants" as assigned by the Chief of Naval Operations (Department of the Navy 1997; Nolte et al. 1999).

Prior to 1950 the NARL had a number of temporary test stands at which the Navy had tested the rocket engines for the Douglas SKYROCKET, the Bell X-1 and the LARK. It also had a large test stand for the development of the 20,000 lb-thrust VIKING engine, the Consolidated-Vultee MX-774, and for certain tests on the SKYROCKET. By the 1950s, the station consisted of 760 acres and represented a multimillion-dollar investment.

The history of NARTS is intimately associated with the history of Reaction Motors, Inc. (RMI). RMI was formed in 1941 and was the first enterprise devoted to the commercialization of the rocket engine (Shesta 1978). By the middle of 1946 all of RMI's activities had been transferred to Lake Denmark, where a construction program for rocket test stands was underway. By 1958, RMI and Thiokol Chemical Corporation merged and RMI became a division within the company. In 1956, RMI was awarded the contract to develop the XLR-99 liquid rocket engine for eventual use in the X-15. The initial testing, including test firings, of that engine was conducted at Lake Denmark, much to the displeasure of the local residents. By 1960, the Navy decommissioned NARTS and it became part of Picatinny under the Ammunition Development Division of the Ammunition group at the installation. Renamed the Liquid Rocket Propulsion Laboratory, the entire facility was leased almost immediately to Thiokol. Due to changes in the rocket industry during the 1960s, Reaction Motors at Lake Denmark was shutdown by 1972. The rocket test areas of the Lake Denmark site were abandoned to the Army and have been largely unused since, except as backdrops for training exercises (Shesta 1978).

By 1977, most production of weapons and ammunition had ceased at Picatinny Arsenal and its activities focused on R&D. Today, Picatinny Arsenal is the headquarters of the U.S. Army Armament Research, Development and Engineering Center (ARDEC), a part of the U.S. Army Research, Development and Engineering Command (RDECOM). Representing the technical expertise of the U.S. government in guns and ammunition of all sizes, from pistols to howitzers, ARDEC plays an essential role in developing items and technologies as diverse as warheads, gun fire control, mines, and smart ammunition, among other responsibilities (ARDEC 1995). Currently, over 600 buildings are spread out over the installation's nearly 5,850-acres (2,367-hectares) making Picatinny Arsenal "the largest Army installation devoted solely to research and development" (STV/Lyon Associates, Inc. 1994:1.2.2).

#### *4.2.2.12 Military Contexts*

Fitch and Glover (citing Huston 1966: vii, 1990) outlined a national military context for the development of Army ordnance, storage, production, and associated facilities. Traditional usage defines Army logistics as consisting of 4 principal elements in support of military operations:

- 1) supply,
- 2) transportation,
- 3) evacuation and hospitalization, and
- 4) service.

Since ordnance and fighting equipment is part of supply, the Arsenal was placed within the Army's logistics component. In addition, Fitch and Glover (1990) outline the historical industrial

development of the installation from the 1770s and place it squarely within technological and manufacturing advances in iron and later ordnance production industries:

Six (6) major arsenals were established by the Army between the end of the 18<sup>th</sup> century and the early 20<sup>th</sup> century. Structured as manufacturing facilities, the arsenals typically were operated under a small number of military staff. Most of the administrative personnel and all the production workers were civilian, providing continuity in operations. Prior to 1940, design or redesign of any piece of equipment might be undertaken by Washington or the arsenal. The first pilot was always built at the arsenal with the appropriate ‘technical responsibility’. Basic research laboratories were maintained at every arsenal except Springfield and Watervliet. Each had an experimental unit, shops, and administrative division (Fitch and Glover 1990: Section 5.2.4).

Since World War II the mission of national arsenals has increasingly moved away from production and into R&D, except during times of conflict...Efforts have focused on future needs and improving present materiel. The Army uses its own laboratories, proving grounds, and test facilities, in conjunction with industry and civilian institutions ... In the 1950s and 1960s, whole new families of weapons and vehicles came into being, most notably the nuclear-powered rockets and guided missiles. Rapid changes have also taken place in conventional weapons....In recent years, research in nuclear power, laser, and computer weapons applications have expanded, in addition to ongoing testing of a variety of materials, explosives, and weapons types (Fitch and Glover 1990: Section 5.2.5).

Harrell (1996) describes 2 relevant methods for placing Picatinny itself into historical perspective or historic context (e.g. Thurber et al. 1984):

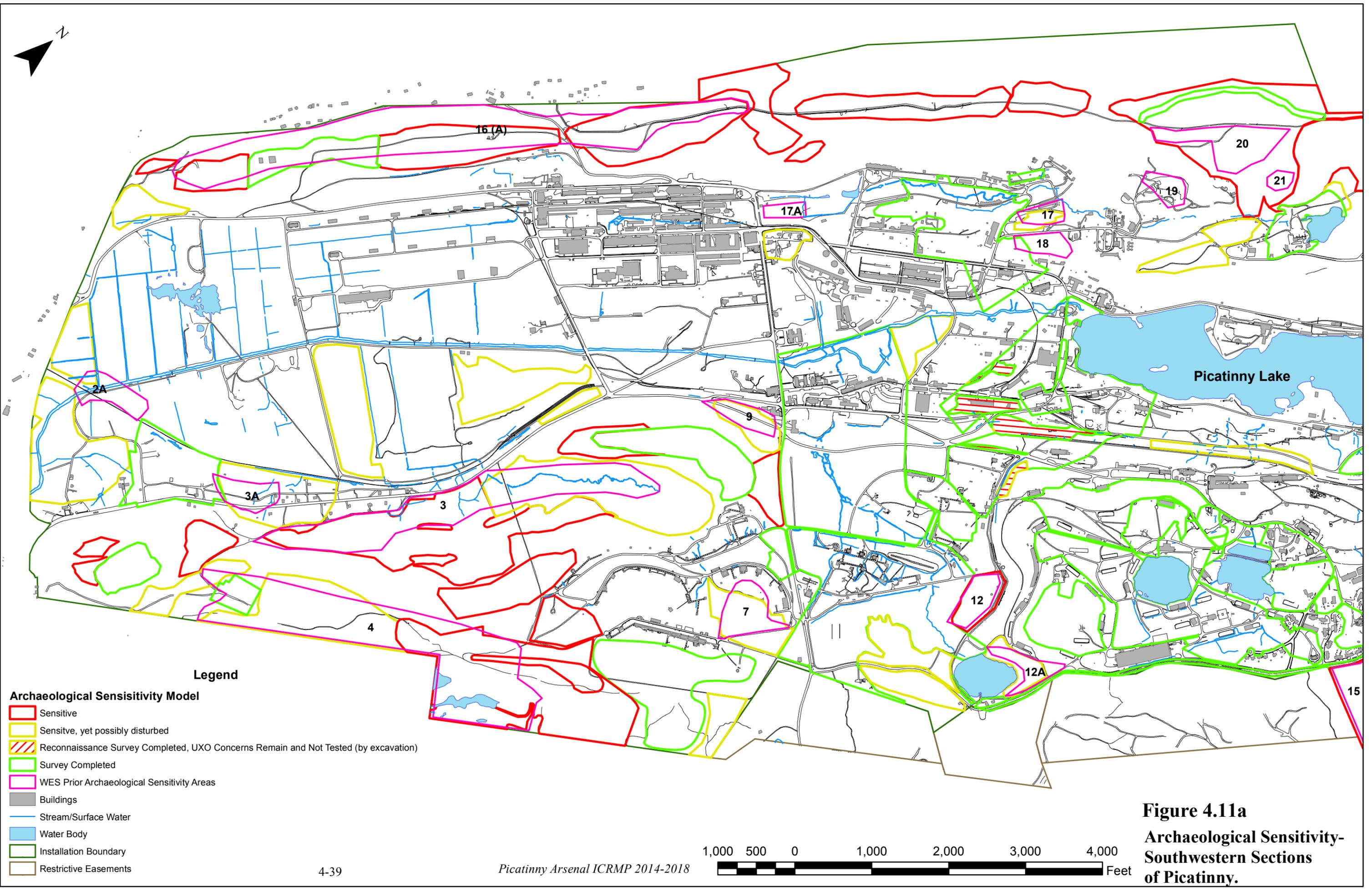
- 1) development context (geographical/functional) which discusses structures based on use;
- 2) temporal/historical context based on dates of changes in the installation’s mission, such as:
  - a. early development as a Powder Storage Depot (1880-1906);
  - b. beginning of production facilities and the build-up to the WWI-era (1907-1918);
  - c. research and experimentation;
  - d. 1926 explosion;
  - e. post-1926 explosion and reconstruction (1926-1937);
  - f. mobilization for WWII (1938-1945); and
  - g. accommodation of personnel.

#### **4.3 ARCHAEOLOGICAL SENSITIVITY MODELING**

Predictive modeling for estimating archaeological sensitivity can be very useful for master planning and overall developmental planning. The avoidance of cultural resources and/or potentially costly site mitigation procedures is in the interest of both developmental planners and preservationists. Models have been developed and/or applied to Picatinny Arsenal’s lands by Fitch and Glover (1990), WES (1996), and most recently PCI (Schieppati et al. 2000, 2003; Smith et al

2008). This section has been slightly updated and is presented within Sections 2.3 and 2.4.1 of the HPC. Newly updated archaeological sensitivity maps are included below within this document (also reference Table 4 of the HPC).

Overall, 98 areas are considered archaeologically sensitive and have been field inspected by reconnaissance survey to determine the likelihood of cultural resource preservation, feasibility of survey and testing, and to recommend appropriate field testing methodology for each sensitivity area (Schieppati et al. 2000, 2003; Smith et al. 2008; Huggan 2008-present as shown in Figures 4.11a and b). (Note: The GIS shapefile metadata sets for this archaeological sensitivity has been shared with NJ HPO to assist in their review of Picatinny related projects and also for their GIS Pilot Initiative.). By and large, Phase I archaeological surveys have supported these sensitivity models. Approximately 1,820 acres have been identified as sensitive and/or potentially sensitive, yet disturbed. This field strategy has been designed to locate all prehistoric and historic resources within each sensitivity area inspected. Additionally, there may be some potential for archaeological deposits in areas identified as disturbed as the overall extensiveness and severity of disturbance across the installation has been estimated within the sensitivity models, therefore visual verification by the CRM for clarification prior to development should occur.



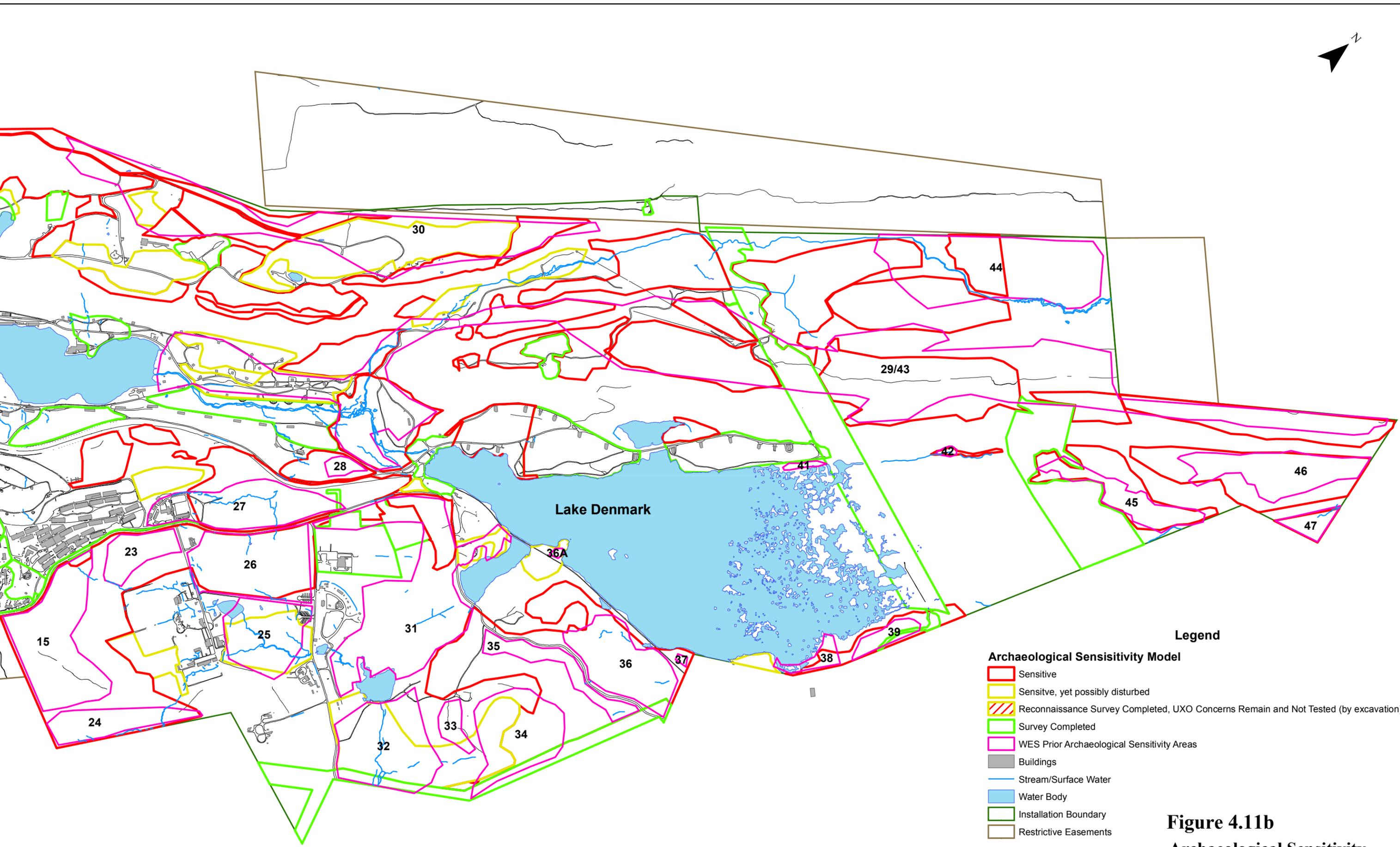
**Legend**

**Archaeological Sensitivity Model**

- Sensitive
- Sensitive, yet possibly disturbed
- Reconnaissance Survey Completed, UXO Concerns Remain and Not Tested (by excavation)
- Survey Completed
- WES Prior Archaeological Sensitivity Areas
- Buildings
- Stream/Surface Water
- Water Body
- Installation Boundary
- Restrictive Easements



**Figure 4.11a**  
**Archaeological Sensitivity-**  
**Southwestern Sections**  
**of Picatinny.**



**Archaeological Sensitivity Model**

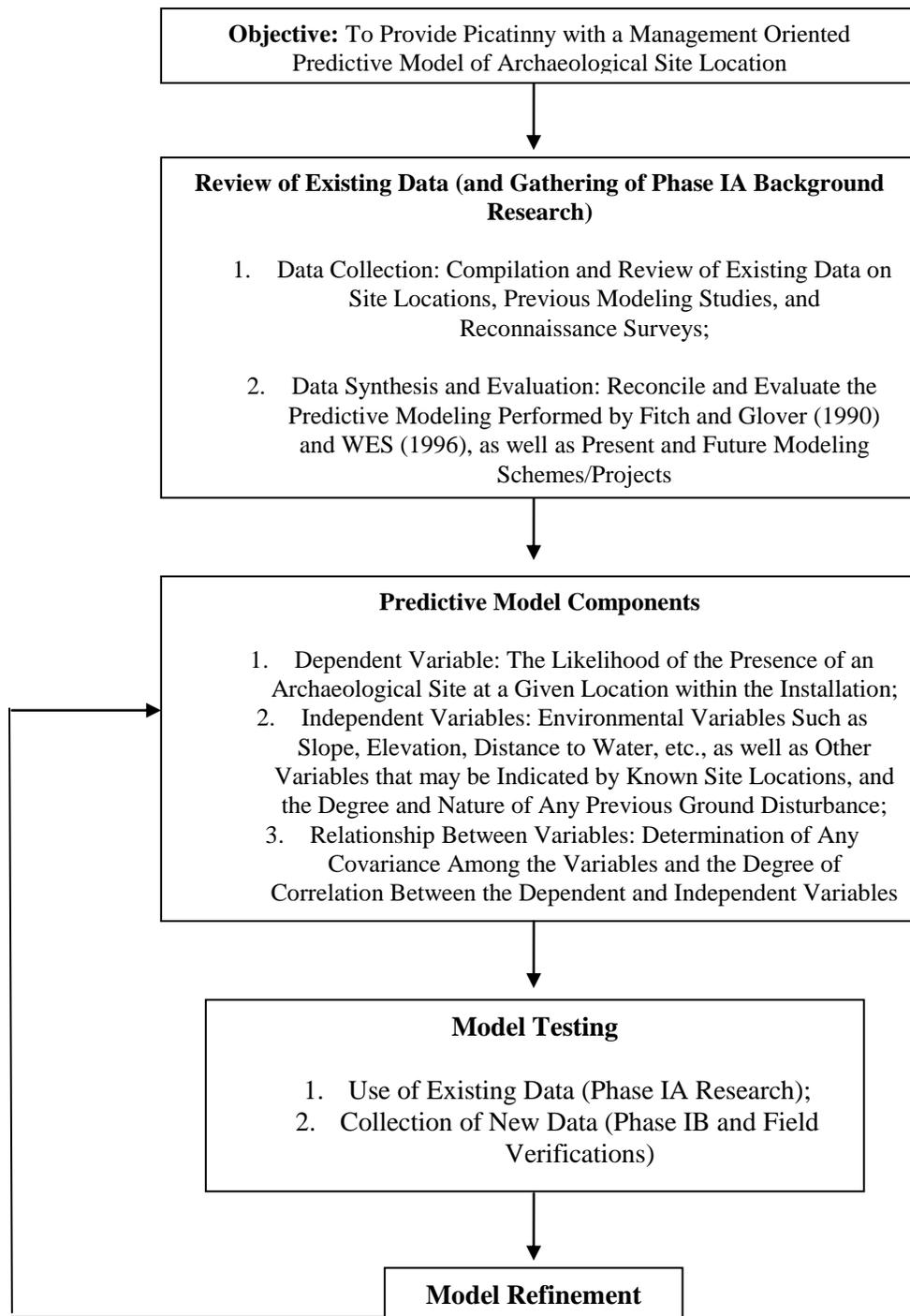
- Sensitive
- Sensitive, yet possibly disturbed
- Reconnaissance Survey Completed, UXO Concerns Remain and Not Tested (by excavation)
- Survey Completed
- WES Prior Archaeological Sensitivity Areas
- Buildings
- Stream/Surface Water
- Water Body
- Installation Boundary
- Restrictive Easements

**Legend**



**Figure 4.11b**  
**Archaeological Sensitivity-**  
**Northeastern Sections**  
**of Picatinny.**

This sensitivity model should be updated as additional surveys are completed. The flow chart presented as Figure 4.12 illustrates how this model can be further refined. Future input will include surveys conducted for particular construction projects as well as inventory surveys. It should be noted (if practical) future surveys not be conducted exclusively in areas that have been designated as sensitive as it could skew the resulting data causing a self-fulfilling prophecy with respect to archaeological sensitivity. Some portion of these surveys can be conducted in areas estimated as not sensitive. This is possible because many broad areas defined as sensitive will likely include smaller land areas designated, according to the model, as not sensitive. These areas can be examined in the course of the survey and the resulting data fed back to the model. This should be subject to budgetary consideration and case-by-case project specific practicalities.



**Figure 4.12.** Flowchart depicting the development of an archaeological predictive model.

## 5.0 Cultural Resource Inventory and Data Gaps

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This section addresses Picatinny Arsenal's cultural resource inventory combining previously gathered data with new information and data gaps. The compilation of these data sets are then compared against future development and Master Plan undertakings, along with budgetary, compliance and management considerations.

### 5.1 IDENTIFIED CULTURAL RESOURCES

Prehistoric and historic period archaeological sites have been reported and identified at Picatinny Arsenal. Full archaeological reconnaissance surveys have been conducted for approximately 850 acres of the installation. Currently, twenty-two (22) prehistoric sites and thirty-two (32) historic sites have been identified within the installation's boundaries, assigned Smithsonian Site Registration numbers and recorded at the NJSM (Section 2.1. of the HPC)

#### 5.1.1 *Cultural Resources: Prehistoric Sites*

See Section 2.1.1.1 of the HPC for the most up-to-date listing and description of prehistoric sites identified. Previous reports have also identified prehistoric artifacts at the historic Whitam Farm location destroyed during the 1926 Lake Denmark Depot explosion where isolated areas may remain from this potential site (PA-104, P-2; Smith et al. 2008). Other prehistoric site areas may exist across the installation, however due to previous historic and Arsenal development, contexts may be disturbed.

#### 5.1.2 *Cultural Resources: Historic Sites*

See Section 2.1.1.2 of the HPC for the most up-to-date listing and description of historic sites identified.

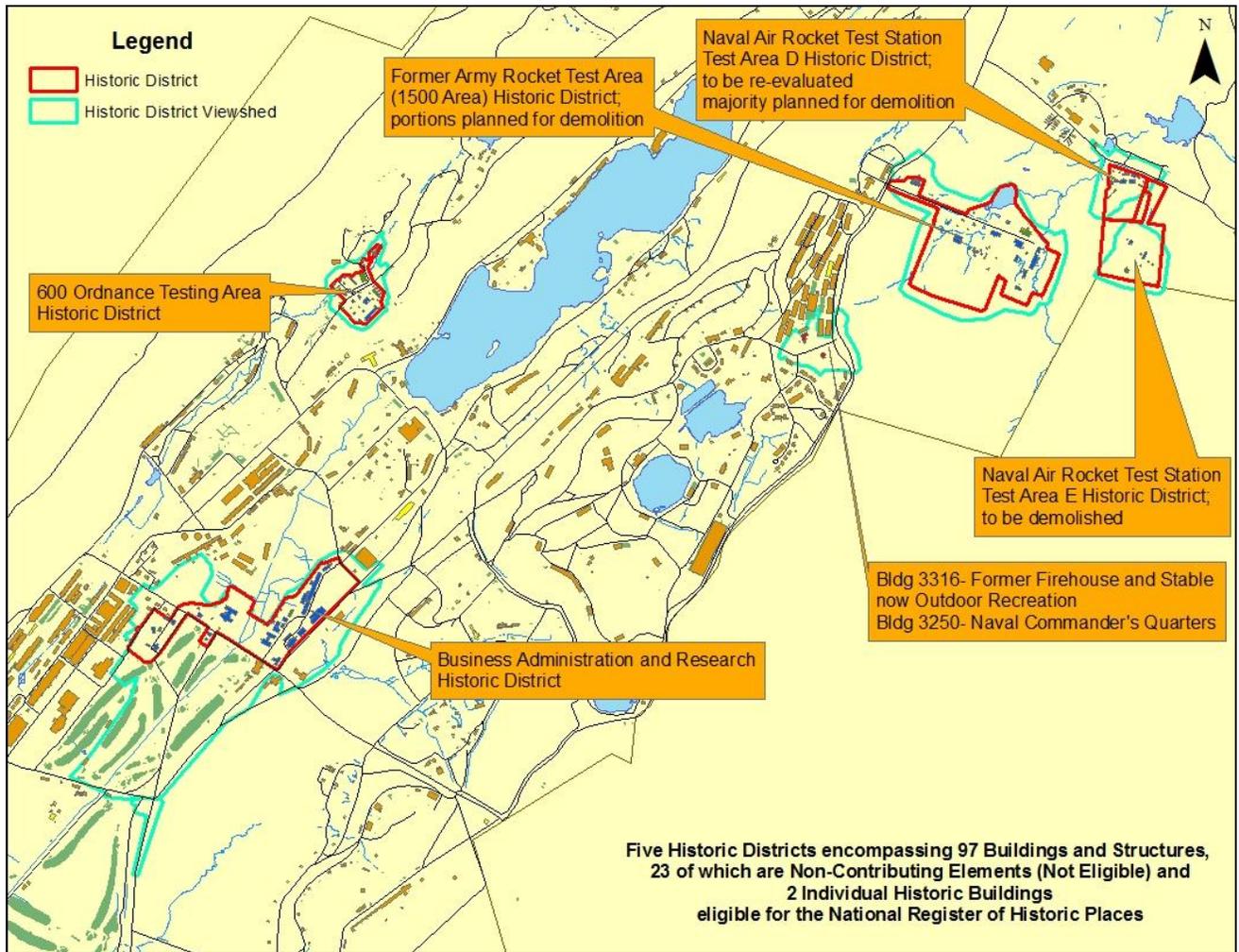
#### 5.1.3 *Cultural Resources: Architectural Features, Structures and Historic Districts*

Architectural resources at Picatinny include buildings, structures, and features, including but not limited to all visible aspects of the built environment combining to form the installation's historic fabric, such as bridges and dams, sewage lift stations, playgrounds and court areas, cemeteries, parks and gardens, surrounding landscape and overall setting, etc. Across the installation, approximately 75-80% of its architectural resources have been assessed for their NRHP eligibility.

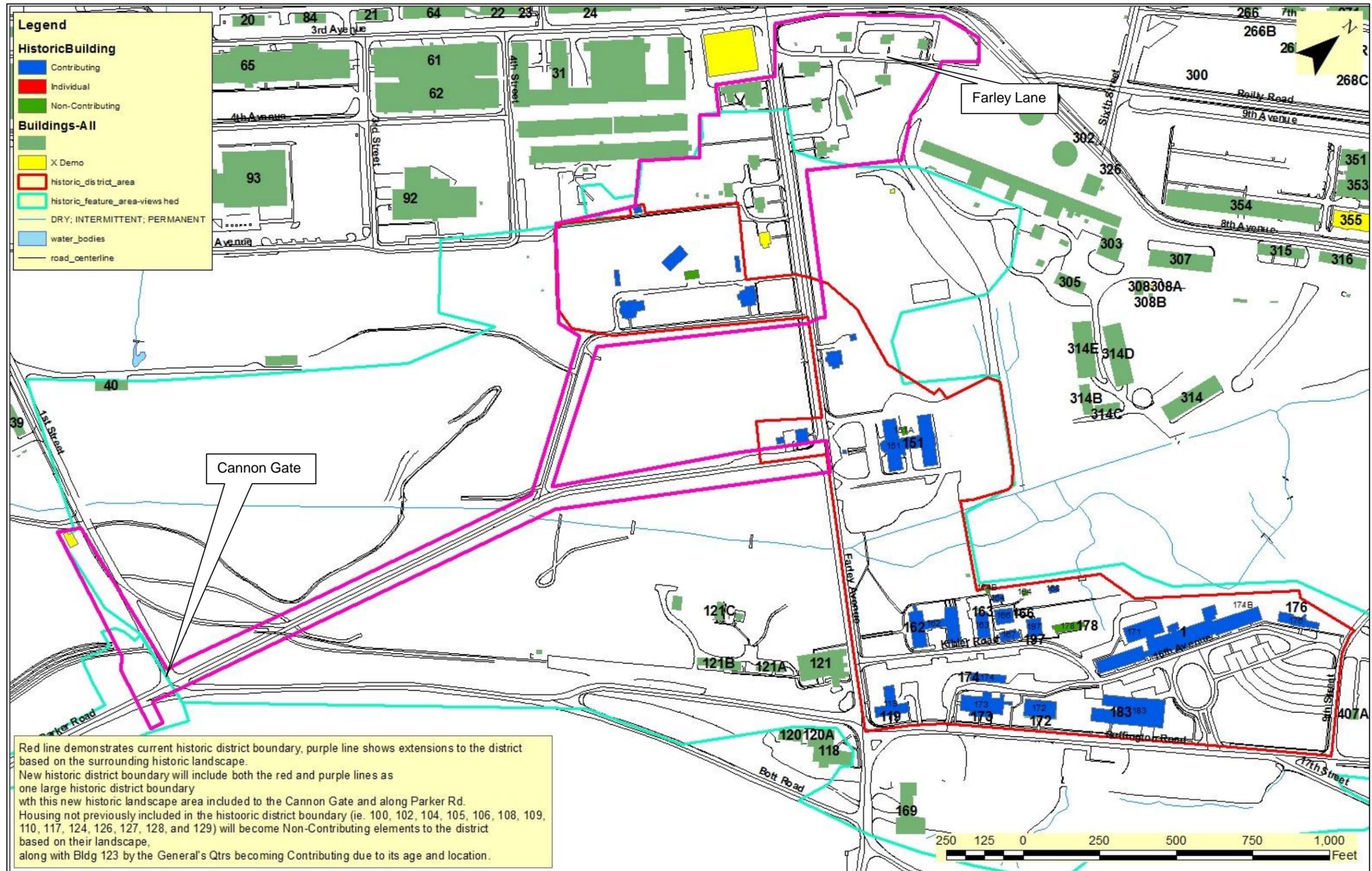
See Section 2.1.2.1 and Table 1 of the HPC for the most up-to-date listing and description of historic architectural resources and their significant interior features identified thus far, along with a description of each of the historic district's period of significance and character defining features (CDF), and finally Appendix D for a photo collage of the installation's historic properties.

Of significance to note from these excerpts of the HPC, is that even though USAG Picatinny manages the Cannon Gate (Structure 1100M) and its adjacent stonewall as a historic

property, it was revealed during the production of the HPC that it is in fact *not eligible* for listing in the NRHP (Section 2.1.2.1, pg. 45 of the HPC). It appears that the Arsenal's iconic trademark was missed from the 1999 Consensus Determination of Eligibility with the NJ HPO due to a miscommunication. To correct this and as part of the CLA mitigative requirements to the RPMP FRP PA, USAG Picatinny is proposing an extension to the Administration and Research Historic District (results and final determinations pending) that will recommend the Cannon Gate and the tree-lined streets of Parker Road, Larned Terrace (to Quarters 112 and 113), Farley Avenue, and the remaining housing residences along Farley Lane (as non-contributing elements) as significant to the surrounding landscape of the district itself (Figures 5.1 and 5.2). These recommendations will reference the surrounding landscape and setting as an NRHP eligibility factor for the Cannon Gate.



**Figure 5.1.** Map of individually NRHP eligible buildings and historic districts.



**Figure 5.2.** Proposed Administration and Research Historic District boundary extension (purple line) based on pending CLA results.

## 5.2 INVENTORY DATA GAPS

Overall, knowledge of the existence and condition of archaeological sites across the installation will facilitate planning and cultural resource management processes. A proactive approach to identifying potential cultural resources will ensure mission requirements will be satisfied and pertinent issues will be addressed early in the planning process. Mission requirements must be carried out in harmony with applicable cultural resource management laws and regulations, including the documentation of resources altered or destroyed as a result of Army action (DoDI 4715.16). Evaluating these coverage areas will allow the installation to meet NHPA Section 106 compliance and NEPA consultation for these projects, and will also allow the mission to plan for and expedite further development in other areas while focusing on data gaps and future research. This section addresses portions of the cultural resource data gaps that have been updated since Section 2.4 of the HPC.

### 5.2.1 *Archaeological Resources Data Gaps*

Based on the archaeological sensitivity models, historic mapping and other previous studies noted within Section 2.6 of the HPC, potential archaeological site (PA-00) numbers have been assigned for Picatinny Arsenal by refining earlier cartographic compilations of likely archaeological site locations (Appendix D of this document). These compilations have resulted in over 95 potential archaeological sites (PA-Sites) being identified through documentary sources and field reconnaissance across the installation. These PA-Sites include, but are not limited to, prehistoric camp sites and/or lithic scatters, historic farmsteads, dwellings, forge related areas, and early Arsenal related development. These locations and their immediate vicinities are archaeologically sensitive and may require Phase I survey and additional Phase II investigations to determine NRHP eligibility and significance prior to developmental impact.

(To note, while useful for preliminary planning, mapping prepared for the WES study [1996] did not rectify all cartographic differences among different sources showing similar sites. As a result, some PA-sites are mapped at more than one location. Therefore, this model and its accompanying data may be subject to revision or more detailed specifications based upon future archaeological and reconnaissance fieldwork. Furthermore, historic maps frequently include inaccuracies, and rarely show sites or structures at the same locations, and knowledgeable local informants provided previously unreported data on a small number of the mapped sites [Malone, Raber, and Parkhurst 1991; Perry 1996; Rutsch 1996]).

Most of the potential historic archaeological resources listed within the PA-Sites have surface features with the potential for artifacts to be found with Phase IB field testing, except for the forge complexes which have been disturbed by installation related development and require deeper testing and/or ground penetrating radar to identify. In general, extensive development across the installation may have buried reported PA-Sites, and considerable disturbance has been documented at many locations. Although in the absence of additional information, most reported or PA-Site locations should be regarded as having potential remains that might include resources eligible for listing on the NRHP and require further archaeological testing (ie. intensive reconnaissance survey, Phase II testing, etc.).

See Section 2.4.1 of the HPC for a descriptive list of these noteworthy PA-Sites, along with significant identified sites and current research efforts listed as well. To add to Section 2.4.1 of the HPC is the following:

- Sites PA-6 and 68 - path of the Morris County Railroad/Wharton & Northern Railroad and various associated railroad stations throughout the installation boundary, such as the Factory Station (28-Mr-345 [PA-83]), Lake Denmark Station (28-Mr-343 [PA-85]) and Lake Denmark NAD Station (PA-84);
- Early Arsenal related development resources as noted by,
  - PA-119- circa 1918 trash scatter, cooking area, and historic debris of barbed wire fence demonstrating potential clearing of the 1400 Area and former land tracts owned by J. Kindred and J. Groach;
  - PA-75a - former access to Coonroad Path which may have an association with an 18th century Limestone Quarry for Mt. Hope Furnace demonstrating early road construction by the military;
  - PA-139- isolated stonewall along the hillside of Bear Swamp Rd (along the 600 Hill) dating to the 1930s and potentially earlier due to the identification of a bone handled knife; and
  - PA-140- isolated stonewall, mess kit, drill bit and nail found along Berkshire Trail Rd;
- Lake Denmark NAD related sites dating from pre-1926 and onward after the associated explosion as noted by,
  - PA-115- former picnic grounds and potential parade and recreation center demonstrated by structural remains of a water pump, retention pond, large picnic table, stone and concrete steps, cooking hearth, and numerous air to surface land targets which appear to demonstrate a potential no-fly zone over various parts of the former installation;
  - PA-135- horseshoes identified along Belt Rd and near a former Employee House and Barn; and
  - Site 28-Mr-358- explosion-related dumping grounds for the former Naval Barracks and Medical Dispensary;
- Site 28-Mr-265 (PA-80/80a)- mid 1700s thru 1884 Walton Burial Ground with associated Revolutionary War burials and potential religious affiliations to a series of foundations documented at Sites 28-Mr-362, Mt. Hope Schoolhouse No. 3 and 28-Mr-323, potential meetinghouse and series of stonewalls, brick structure remains, and a domestic refuse scatter dating to the mid-to-late 19th century;
- Site 28-Mr-334- (PA-58, 60, 64a [and former PA-Site 100])- structural remains of the E. Fiedler and F. Wood Coal House dating to the mid 1800s which may also include remains associated with the Lake Denmark Hotel and the Wharton & Northern Railroad dating to the late 1800s to early 1900s. The portions of the site relating to the coal house could also relate to the history and use of the Denmark Forge, Site 28-Mr-342 (PA-61, 62, and 62a [former

PA-Site 99] and the Denmark Mine, Site 28-Mr-365 (PA-57); and finally,

- Ongoing research on former land tracts, and historic deeds and maps of Picatinny Arsenal prior to government ownership to demonstrate an accurate picture of the installation from post 1650.

### **5.2.2** *Architectural Features, Structures and Historic Districts Data Gaps*

Picatinny Arsenal contains over 600 buildings; approximately 465 auxiliary structures (ie. bridges, water pumps, concrete test pads for explosive purposes, etc.), RP assets, and associated land management areas such as military test ranges and the Golf Course; along with approximately 85 miles of roads. As architectural resources are found on post (not previously identified) and existing structures turn 45+ yrs of age, NRHP evaluations are required for eligibility. The complete Historic Building Assessment Catalog and inventory is listed in tabulated form in Appendix E (updated since the 2013 HPC).

## **5.3 FUNDING AND FUTURE LEVEL OF EFFORT**

Section 5.4 of the HPC discusses the proposed and most up-to-date cultural resource projects by focusing on data gaps and future research within each of the NRHP eligible historic districts, and the overall Master Plan projected project list. Furthermore, DPW's Annual Work Plan (AWP) consists of projects formulated to address the installation's Master Plan and development as well as those projects funded with Non-Appropriated Funds. The projects listed within the AWP include ongoing and planned IJOs, and proposed renovations. These projects are then wrapped into a 5-year plan for funding within the CRM's program objectives.

## 6.0 Resource Management and Preservation

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This section addresses the management and preservation requirements for USAG Picatinny and the Cultural Resource Management Program. Also discussed are the objectives, policies, and procedures relied upon and utilized to maintain legal compliance for the management of archaeological sites, historic properties, buildings and districts across the installation. For further information, see Section 5 of the HPC; <http://www.nps.gov/history/standards.htm>; <http://www.nj.gov/dep/hpo/>; and <http://www.nps.gov/history/nr/publications/bulletins.htm>.

### 6.1 NATIONAL HISTORIC PRESERVATION ACT COORDINATION

The HPC is the chapter of the ICRMP that addresses compliance with Section 106 of the NHPA through the implementation of the AAP (Chapter II of this document). The HPC is the document that addresses SOPs for the identification, evaluation, assessment of effects, treatment, and management of historic properties (Section 6 of the HPC). While the HPC remains a component of the ICRMP, it stands alone as a legal compliance document for the installation.

#### 6.1.1 *Section 110 and Historic Property Monitoring*

Section 110 of the NHPA charges Federal agencies with the protection of historic properties, along with encouraging agencies to compile inventories and integrate information on historic properties into project planning and other undertakings. Sections 5.1, 5.2, and 5.3 of the HPC establish goals and practices for managing the installation's historic properties. The components of these sections are:

- 1) desired future conditions of historic properties (broken down into types);
- 2) goals for management and preservation; and
- 3) management practices to be used for preservation of historic properties.

All archaeological sites and cultural resources are protected under this act and Section 110 to include sites both known and eligible for listing in the NRHP as well as those properties not yet known or evaluated. As a result, land managers must balance site protection with the needs of the installation's established policies, plans, and mission. Archaeological investigations provide a means for identifying and potentially avoiding site impacts. If project actions have the potential to harm or destroy any Native American tribal, religious or cultural sites, the installation must notify and consult with the appropriate tribes before issuing ARPA permits.

In accordance with Section 110 of the NHPA and to ensure ARPA violations are not occurring to archaeological sites, the CRM actively monitors all archaeological sites either eligible or of unknown eligibility. This also includes sites not in direct threat by development, activities, or any other undertakings. Monitoring should occur at least once every six (6) months to historic properties, including historic buildings and districts. This increased surveillance should also be coordinated with the installation police and security

officers to ensure the apprehension of individuals and seizure of stolen materials by artifact collectors. This includes the enforcement of the utilization of metal detectors for any other activity other than UXO survey and clearance authorized by the security office.

If degradation, vandalism, erosion, or some other threat or deterioration is noted during these monitoring instances it is considered an adverse effect and the CRM should act quickly to ensure adequate protection and restoration to the property in consultation with the NJ HPO and ACHP and for applicability to the *Secretary of Interior's Standards*. This can include restricting access to the archaeological site(s) and immediate areas by fencing, installing security cameras, establishing vegetation like greenbrier and other thorny plants, and intentionally burying the site with clean fill to render visibility and future threats and impacts.

## **6.2 ARCHAEOLOGICAL SITE MANAGEMENT PLAN**

Archaeological sites, known and unknown, and sensitive areas are managed through the CRM, in coordination with DPW and the EAD (see Section 5.1.1 of the HPC). Areas to be excavated are handled through work orders, and as new construction with DPW. To note, some projects for example UXO surveys, geotechnical borings (for pre-development determinations and soil/ground water contamination testing), utility poles, etc. only involve a small amount of ground disturbance typically occur quickly and need full cooperation from all installation personnel due to mission essential time constraints, project deadlines, and the projects themselves occurring for more dominant installation regulations and are therefore usually handled at an internal installation and review level. Furthermore, if no cultural resources or historic properties are identified through the work order process and reviews by the CRM, then the project review process is complete; however this may depend on future related construction efforts and should be confirmed with the CRM, and if needed NJ HPO.

Reconnaissance and visual verification of the existence of the PA-Sites, and any new archaeological areas, upon routine field and site efforts performed by the CRM will be documented further by surface identification and notation, GPS, and if needed, are recorded by the State site forms for the NJSM and Smithsonian Trinomial numbers (28-Mr-000) for future Phase I Survey and Phase II NRHP evaluations (Appendix D).

### **6.2.1 *Archaeological Resources Protection Act Compliance***

If adverse effects and/or ARPA violations have occurred at any of the identified sites, the CRM will notify the EAD, DPW, and the NJ HPO for further protective measures. For future funding, survey, and preservation efforts for the evaluation of archaeologically sensitive areas, and identification and investigation of archaeological sites, see Section 5.4 of the HPC.

## **6.3 ARCHITECTURAL RESOURCES AND HISTORIC DISTRICTS MANAGEMENT PLAN**

All work on buildings listed in the NRHP or determined eligible for listing must

be planned and executed in accordance with the *Secretary of the Interior's Standards and Guidelines for the Treatment of Historic properties* (SOP 5 [Best Management Practices] and Appendix L of the HPC). The intent of *The Secretary's Standards of Preservation, Rehabilitation, Restoration, and Reconstruction* is to preserve as much historic material as possible, and to replace deteriorated and missing elements in kind, or with new materials are compatible with the character of the original (see SOP 5.3.1 of the HPC for a detailed description of *the Secretary's Standards*. In addition, projects impacting buildings over 50 years of age and not yet evaluated for the NRHP will require the review of the CRM, and if needed the NJ HPO. Sections 5.1.3 and 5.1.4 of the HPC detail the desired condition of Picatinny's architectural resources.

SOP 5.2 of the HPC details a discussion of project undertakings that regularly affect structures on the installation such as *Site Construction and Design Build, Accessibility, Additions, Anti-Terrorism/Force Protection (ATFP) Upgrades, Ordnance Testing and Safety Upgrades, Landscaping and District Features*.

#### **6.4 DEMOLITION AND ECONOMIC (STRUCTURAL) ANALYSIS**

DoDI 4715.16 requires the installation conduct an economic analysis of historic buildings and structures being considered for demolition and replacement. Any demolition or disposal action must involve DPW, EAD, and the CRM, among other installation organizations and personnel. By including the CRM, an opportunity to identify the necessity of economic analysis early in the planning stages of a project will be established, thereby reducing time, frustration, and cost associated with delays and redesigns of projects found to not conform to *the Secretary of the Interior's Standards*. As a general rule, when the economic analysis demonstrates rehabilitation costs exceed 70 % of replacement costs, replacement construction, may be justified. The 70 % value may be exceeded, however, where the significance of a particular historic structure warrants special attention, or if warranted by the life-cycle cost comparisons.

The NHPA requires historic properties be considered for reuse to the maximum extent feasible before considering their disposal. In other words, demolition of structures listed or determined eligible for listing in the NRHP should remain as a last option, only after all other options have been considered, and proven infeasible, including mothballing. The decision to reuse, replace, or demolish a facility needs to be justified with a least cost, life-cycle economic analysis. This same approach should be considered when major character-defining elements (e.g., windows, doors) are replaced with new materials.

The architectural quality of materials and the overall finished product also has inherent value as new buildings rarely possess the fine quality elements/features of historic structures. Since it is a NRHP structure, however, this value can be somewhat higher depending on its historic importance.

Furthermore, a Life Cycle Cost (LCC) Analysis allows for the comparison of costs of projects at different times. There are two approaches commonly used for this

purpose: the present worth approach and the equivalent uniform annual cost. The former is the sum of all initial and future costs of a project individually converted into their present value equivalents. The latter is the annual total of individual costs converted into their uniform annual costs over the life of the building.

Alternatively, when demolishing a historic structure with an MOA proposed, consider relocating the structure nearby for historic district and setting viewshed concerns, signage, and journal articles as part of resolving adverse effects. Funds can also be used off the installation to benefit similar projects within the surrounding communities having like goals. Lastly, when demolishing historic or non-historic buildings, reuse of salvageable materials should be considered as part of Leadership in Energy and Environmental Design (LEED) Green Building Rating System and certification and in keeping with like and in-kind design strategies for NJ HPO consultation. These alternative innovative mitigation strategies are a part of the Army today and can have a public benefit.

## **6.5 CONCLUSIONS: ASSET REPORTING AND CULTURAL RESOURCE MANAGEMENT GOALS**

As discussed in Section 3, the Army's vision statement for historic preservation is to "be a national leader in historic preservation through stewardship of our most significant historic properties and protection of the Nation's heritage" (DA 2003; <http://aec.army.mil/usaec/cultural/camplan.pdf>). Based on this document and the HPC, the cultural resource goals needed for the next five (5) years should be:

- continue streamlined and accurate coordination with NJ HPO through the AAP process by utilizing the SOPs within the HPC;
- improve working relationships with Federally recognized Tribes, local historical societies, other interested Stakeholders, and the public;
- training for DPW, RP, engineering, and maintenance work order personnel of historic preservation and cultural resource management requirements to allow for better execution across the installation for meeting *the Secretary of Interior's Standards for the Treatment of Historic properties*; and finally
- accurate reporting of historic properties and all types of cultural resources encountered, including archaeological collections which are increasing progressively as surveys continue.

Overall, this is required by ACSIM, AEC, and IMCOM and is the way of the future for the DoD to track its heritage assets. Research has shown prior (and current) building lists were inaccurate and missing substantial data, PA-Sites and new archaeological sites are being identified, and the sensitivity model has been proven effective. Accurate heritage asset reporting is part of geospatial data standards integration across DoD

installations and Army requirements. In conclusion, this data should be shared with NJ HPO and other interested Stakeholders as needed.

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## Appendix A: Acronyms

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See Appendix J of the HPC for a list of Commonly Used Acronyms. To add to this Appendix since the June 2013 HPC is the following acronyms:

AWP	Annual Work Plan
CLA	Cultural Landscape Analysis
GFEBBS	General Fund Enterprise Business System
NR	National Register
PEMS	Picatunny Environmental Management System
R&D	Research and Development
TCP	Traditional Cultural Properties
WES	Waterway Experiment Station

## Appendix B: Glossary

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See Appendix I of the HPC for a list of definitions of historic preservation and cultural resource management terms, and regulatory info. To add to this Appendix since the June 2013 HPC is the following definition:

### **Significant Paleontological Resources**

Paleontological resources (i.e. fossil remains) associated with events that have made an important contribution to the broad pattern of history or the lives of persons who were of importance in the past, or that yield or may yield information that is important to history or prehistory.

## Appendix C: Regulations, Full Text Version

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See Appendix C of the 2008-2013 ICRMP for the full text versions of the applicable cultural resource management laws, regulations, and guidance discussed throughout this document.

AR-200-1  
DoD Draft 4715.uu (DRAFT)  
NHPA/36 CFR 800  
Historic Sites Act  
ARPA/32 CFR 229  
Antiquities Act  
36 CFR 79  
Archaeological and Historic Preservation Act  
American Indian Religious Freedom Act (AIRFA)  
Native American Graves Protection and Repatriation Act (NAGPRA)  
Executive Order 13007  
Executive Order 13175  
Executive Order 11593  
Executive Order 13287  
National Environmental Policy Act  
Executive Order 13327

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## **Appendix D: Identified and Potential Archaeological Site Descriptions and Current Status**

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See Appendix B of the HPC for a tabulated list of identified and known archaeological sites within the installation boundaries.

Presented below is a tabulated list of potential archaeological sites.

Locational information is not given per AR, ARPA, and NAGPRA regulations.

	SITE NUMBER	DESCRIPTION	Category	NRHP ELIGIBLE/LEVEL OF INVESTIGATION	HISTORIC REFERENCE/SURVEY	POTENTIAL SITE CONDITIONS	COMMENTS
1	PA-1/1a	Sandstone Quarry	Historic	UNDETERMINED- Historic Map Research	Robinson 1887; PAL 1989; Panamerican 2000 ICRMP	FORESTED AND UNDETERMINED (2007 Aerial)	Not Yet Identified
2	PA-2/2a	Pre-1853 W.E. Wiggins Farmstead- 3 Structures (1 Dwelling); W. Murdock Structure	Historic	UNDETERMINED- Historic Map Research	Lightfoot and Geil 1853; Hopkins 1867; Beers 1868; Robinson 1887; PAL 1989; Panamerican 2000 ICRMP	FORESTED AND UNDETERMINED (2007 Aerial)	Not Yet Identified
3	PA-3/3a	Pre-1853 Residence owned by W.E. Wiggins- 1 Structure (Dwelling); W. Murdock Structure	Historic	UNDETERMINED- Historic Map Research	Lightfoot and Geil 1853; Hopkins 1867; Beers 1868; Robinson 1887; PAL 1989; Panamerican 2000 ICRMP	LIKELY PREVIOUSLY DEVELOPED OVER	Not Yet Identified
4	PA-4/4a	Pre-1887 Albert Davidson Residence	Historic	UNDETERMINED- Historic Map Research	Robinson 1887; PAL 1989; Panamerican 2000 ICRMP	FORESTED AND UNDETERMINED (2007 Aerial)	Not Yet Identified
5	PA-5/5a	Pre-1887 Albert Davidson Residence	Historic	UNDETERMINED- Historic Map Research	Robinson 1887; PAL 1989; Panamerican 2000 ICRMP	FORESTED AND UNDETERMINED (2007 Aerial)	Not Yet Identified
6	PA-6/6a	Route of Morris County Railroad/Wharton & Northern Railroad through Picatinny- Abandoned; a) Spurs of Picatinny Railroad (from mainline of Wharton & Northern Railroad)- includes Lake Denmark Naval Ammunition Railroad which are now existing roads, some former railroad clearings still exist, no tracks evident	Historic	UNDETERMINED- Historic Map Research & Features Still Present	Robinson 1887; Lowenthal 1981	FORESTED AND UNDETERMINED/ BROKEN APART ACROSS INSTALLATION	Determination Pending
7	PA-7	Pre-1853 William Whitehead Residence; 1 Structure (Dwelling)	Historic	UNDETERMINED- Historic Map Research	Lightfoot and Geil 1853; Hopkins 1867; Beers 1868	FORESTED AND UNDETERMINED (2007 Aerial)	Not Yet Identified
8	PA-8/8a	Pre- 1853 W. Haycock Residence- 1 Structure (Dwelling)	Historic	UNDETERMINED- Historic Map Research	Lightfoot and Geil 1853; Hopkins 1867; PAL 1989; Panamerican 2000 ICRMP	LIKELY PREVIOUSLY DEVELOPED OVER	Not Yet Identified
9	PA-9	Pre-1853 Jon. E. Kindred Farmstead; 4 Structures (1 Dwelling); Unnamed Structure	Historic	UNDETERMINED- Historic Map Research & Features Still Present	Lightfoot and Geil 1853; Hopkins 1867; Beers 1868; Robinson 1887	LIKELY PREVIOUSLY DEVELOPED OVER FOR GOLF COURSE	Portions may be identified from a stonewall along Farley and Hole 18 of the Golf Course, along with an additional stonewall next to Green Pond Brook from the bridge by Bldgs 151-162
10	PA-10/10a/10b (PA-78)	Pre- 1781 Mt. Pleasant Forge	Historic	UNDETERMINED- Historic Map Research	Hills 1781; Gordon 1828; Lightfoot and Geil 1853; Munsell 1882; Boyer 1931; PAL 1989	NOT ON INSTALLATION PROPERTY; LIKELY DISTURBED BY ROUTE 15	Not on installation property
11	PA-11	Pre-1853 Structure next to Jos. T. Hoff Residence; Unnamed Structure	Historic	UNDETERMINED- Historic Map Research	Lightfoot and Geil 1853; Hopkins 1867; Beers 1868; Robinson 1887	NOT ON INSTALLATION PROPERTY; LIKELY DISTURBED BY ROUTE 15	Not on installation property
12	PA-12	Site of 2 Structures; Later J.T. Hoff Structure; Unnamed Structure	Historic	UNDETERMINED- Historic Map Research	Hopkins 1867; Beers 1868; Robinson 1887	NOT ON INSTALLATION PROPERTY; LIKELY DISTURBED BY ROUTE 15	Not on installation property
13	PA-13	Pre-1853 C. Hoff Residence; 1 Structure (Dwelling); H. Baker Structure; H. Hoff Structure	Historic	UNDETERMINED- Historic Map Research	Lightfoot and Geil 1853; Hopkins 1867; Beers 1868; Robinson 1887	NOT ON INSTALLATION PROPERTY; LIKELY DISTURBED BY ROUTE 15	Not on installation property
14	PA-14	Pre-1853 Gate; 1 Structure; Toll Gate; Unnamed Structure	Historic	UNDETERMINED- Historic Map Research	Lightfoot and Geil 1853; Hopkins 1867; Beers 1868; Robinson 1887	NOT ON INSTALLATION PROPERTY; LIKELY DISTURBED BY ROUTE 15	Not on installation property
15	PA-15	Pre-1853 S.T. Babbit Residence; 1 Structure (Dwelling); H. Baker Structure	Historic	UNDETERMINED- Historic Map Research	Lightfoot and Geil 1853; Hopkins 1867; Beers 1868; Robinson 1887	NOT ON INSTALLATION PROPERTY; LIKELY DISTURBED BY ROUTE 15	Not on installation property
16	PA-16/16a (PA-87)	Pre-1887 Structure near W. Spicer Residence	Historic	UNDETERMINED- Historic Map Research	Robinson 1887; PAL 1989; Panamerican 2000 ICRMP	FORESTED AND UNDETERMINED (2007 Aerial)	Not Yet Identified

17	PA-17/17a (PA-88)	Pre-1867 Farmstead; 4 Structures (1 Dwelling) later owned by J. Spicer	Historic	UNDETERMINED- Historic Map Research	Hopkins 1867; Beers 1868; Robinson 1887; PAL 1989; Panamerican 2000 ICRMP	FORESTED AND UNDETERMINED (2007 Aerial)	Not Yet Identified
18	PA-18	Pre-1887 Structure near Mrs. Nichol's Residence	Historic	UNDETERMINED- Historic Map Research	Robinson 1887	FORESTED AND UNDETERMINED (2007 Aerial)	Not Yet Identified
19	PA-19/19a (PA-89)	Pre-1887 Structure near C. Spicer Residence	Historic	UNDETERMINED- Historic Map Research	Robinson 1887; PAL 1989; Panamerican 2000 ICRMP	FORESTED AND UNDETERMINED (2007 Aerial)	Not Yet Identified
20	PA-20	Pre-1887 L. Spicer established Structure	Historic	UNDETERMINED- Historic Map Research	Robinson 1887	FORESTED AND UNDETERMINED (2007 Aerial)	Not Yet Identified
21	PA-21	Pre-1887 L. Spicer established Structure	Historic	UNDETERMINED- Historic Map Research	Robinson 1887	FORESTED AND UNDETERMINED (2007 Aerial)	Not Yet Identified
22	PA-22	Pre-1887 L. Spicer established Structure	Historic	UNDETERMINED- Historic Map Research	Robinson 1887	FORESTED AND UNDETERMINED (2007 Aerial)	Not Yet Identified
23	PA-23/23a/23b (PA-94)	Pre-1887 Mrs. E. Nichols Structure	Historic	UNDETERMINED- Historic Map Research	Robinson 1887; PAL 1989; Panamerican 2000 ICRMP	FORESTED AND UNDETERMINED (2007 Aerial)	Not Yet Identified
24	PA-24/24a (PA-95)	Pre-1853 H. Ford Estate Structure	Historic	UNDETERMINED- Historic Map Research	Lightfoot and Geil 1853; PAL 1989	LIKELY PREVIOUSLY DEVELOPED OVER; UNDETERMINED	Not Yet Identified
25	PA-25	Pre-1853 Mrs. Mills Structure (Farmstead); Miss Doland Structure; R. Whiteham Structure	Historic	UNDETERMINED- Historic Map Research	Lightfoot and Geil 1853; Hopkins 1867; Beers 1868; Robinson 1887	FORESTED AND UNDETERMINED (2007 Aerial)	Potentially Identified as 28Mr327
26	PA-28	Pre-1867 Farmstead 2 Structures (1 Dwelling); W. Fredericks Structure; J. Buckley Structure	Historic	UNDETERMINED- Historic Map Research	Hopkins 1867; Beers 1868; Robinson 1887	FORESTED AND UNDETERMINED (2007 Aerial)	Not Yet Identified
27	PA-29	Pre-1887 J. Brown Structure	Historic	UNDETERMINED- Historic Map Research	Robinson 1887	FORESTED AND UNDETERMINED (2007 Aerial)	Not Yet Identified
28	PA-30	Pre-1887 M. Crow Structure	Historic	UNDETERMINED- Historic Map Research	Robinson 1887	LIKELY PREVIOUSLY DEVELOPED OVER; UNDETERMINED	Not Yet Identified
29	PA-32	Pre-1867 Structure (Dwelling); A. Walton Structure	Historic	UNDETERMINED- Historic Map Research & Features Still Present	Hopkins 1867; Beers 1868	FORESTED AND GOOD CONDITION	Potentially identified as a square shaped depression just off of Osborne Rd, with a stonewall existing along the road
30	PA-33	Pre-1853 S.F. Righter Farmstead; 2 Structures (1 Dwelling); Geo. A Righter Structure	Historic	UNDETERMINED- Historic Map Research	Lightfoot and Geil 1853; Hopkins 1867; Beers 1868	LIKELY PREVIOUSLY DEVELOPED OVER; UNDETERMINED	Surrounding Area Surveyed 2007, Not Identified
31	PA-34	Pre-1867 (Dwelling); Geo. A. Righter Structure	Historic	UNDETERMINED- Historic Map Research	Hopkins 1867; Beers 1868	LIKELY PREVIOUSLY DEVELOPED OVER; UNDETERMINED	Surrounding Area Surveyed 2007, Not Identified
32	PA-35	Pre-1853 Farmstead S.F. Righter Structure; 2 Structures (1 Dwelling); Geo. A. Righter Structure	Historic	UNDETERMINED- Historic Map Research	Lightfoot and Geil 1853; Hopkins 1867; Beers 1868	LIKELY PREVIOUSLY DEVELOPED OVER; UNDETERMINED	Surrounding Area Surveyed 2007, Not Identified
33	PA-36	Pre-1853 Structure owned by S.F. Righter; 1 Structure (Dwelling); Geo. A. Righter Structure	Historic	UNDETERMINED- Historic Map Research	Lightfoot and Geil 1853; Hopkins 1867; Beers 1868	LIKELY PREVIOUSLY DEVELOPED OVER; UNDETERMINED	Surrounding Area Surveyed 2007, Not Identified
34	PA-37	Etra (Aetna) Forge; Middle Forge- 1 Structure; Forge- 2 Structures	Historic	UNDETERMINED- Historic Map Research	Erskine 1777; Mills 1781; Gordon 1828; Lightfoot and Geil 1853; Hopkins 1867; Beers 1868	LIKELY PREVIOUSLY DEVELOPED OVER; UNDETERMINED	Surrounding Area Surveyed 2007, Not Identified
35	PA-38	Pre-1853 Farmstead(?) owned by S.F. Righter; 2 Structures	Historic	UNDETERMINED- Historic Map Research	Lightfoot and Geil 1853; Hopkins 1867	LIKELY PREVIOUSLY DEVELOPED OVER; UNDETERMINED	Surrounding Area Surveyed 2007, Not Identified
36	PA-39	Pre-1867 Structure (Dwelling); Geo. A. Righter Residence	Historic	UNDETERMINED- Historic Map Research	Hopkins 1867; Beers 1868	LIKELY PREVIOUSLY DEVELOPED OVER; UNDETERMINED	Surrounding Area Surveyed 2007, Not Identified

37	PA-40	Pre-1867 Unidentified Structure	Historic	UNDETERMINED- Historic Map Research	Hopkins 1867	LIKELY PREVIOUSLY DEVELOPED OVER; UNDETERMINED	Surrounding Area Surveyed 2007, Not Identified
38	PA-41	Pre-1867 Structure; Geo. A. Righter Structure	Historic	UNDETERMINED- Historic Map Research	Hopkins 1867; Beers 1868	LIKELY PREVIOUSLY DEVELOPED OVER; UNDETERMINED	Surrounding Area Surveyed 2007, Not Identified
39	PA-42	Pre-1867 Unidentified Structure	Historic	UNDETERMINED- Historic Map Research	Hopkins 1867	LIKELY PREVIOUSLY DEVELOPED OVER; UNDETERMINED	Surrounding Area Surveyed 2007, Not Identified
40	PA-43	Pre-1853 Structure owned by S.F. Righter; 1 Structure (Dwelling)	Historic	UNDETERMINED- Historic Map Research	Lightfoot and Geil 1853; Hopkins 1867	LIKELY PREVIOUSLY DEVELOPED OVER; UNDETERMINED	Surrounding Area Surveyed 2007, Not Identified
41	PA-46	Pre-1853 G. Tebo Structure; 1 Structure (Dwelling)	Historic	UNDETERMINED- Historic Map Research	Lightfoot and Geil 1853; Hopkins 1867	LIKELY PREVIOUSLY DEVELOPED OVER	Surrounding Area Surveyed 2007, Not Identified
42	PA-47/47a (PA-102)	Site of Quarry	Historic	UNDETERMINED- Historic Map Research & Features Still Present	No Map (ca. 1890); PAL 1989; Panamerican 2000 ICRMP	FORESTED AND POOR CONDITION	Potentially identified PA-47a in 2010- appears to be backfilled and collapsed
43	PA-48/48a	Site of Pre-1887 A. Stickle Structure (Foundation Still Present)	Historic	UNDETERMINED- Features Still Present	Robinson 1887; PAL 1989; Panamerican 2000 ICRMP	FORESTED AND GOOD CONDITION	Not Yet Identified
44	PA-49	Pre-1853 Schoolhouse	Historic	UNDETERMINED- Historic Map Research & Features Still Present	Lightfoot and Geil 1853	FORESTED AND UNDETERMINED (2011 fieldwork))	Potentially identified as a series of stonewalls
45	PA-50/50a (PA-101)	Pre-1853 G.W. Blakely Farmstead; 4 Structures; Elliott Co. Mining Ho.; E. Merrit Structure	Historic	UNDETERMINED- Historic Map Research	Lightfoot and Geil 1853; Hopkins 1867; Beers 1868; Robinson 1887; PAL 1989; Panamerican 2000 ICRMP	LIKELY PREVIOUSLY DEVELOPED OVER; UNDETERMINED	Not Yet Identified
46	PA-56	1 Structure (Dwelling); Mrs. M. Barrens Structure; J. Barnes Structure	Historic	UNDETERMINED- Historic Map Research & Features Still Present	Hopkins 1867; Beers 1868; Robinson 1887	FORESTED AND UNDETERMINED (2007 Aerial)	Potentially identified as a series of stonewalls
47	PA-59	S.B. Marsh Structure	Historic	UNDETERMINED- Historic Map Research & Features Still Present	Lightfoot and Geil 1853	FORESTED AND UNDETERMINED (2011 fieldwork))	Potentially identified as a series of stonewalls, stone dam, and bridge or former rd sections along Burnt Meadow Brook coming from Lake Denmark
48	PA-63/63a	Unnamed Structure; 1 Structure; E. Merritt Structure	Historic	UNDETERMINED- Historic Map Research	Lightfoot and Geil 1853; Hopkins 1867; Beers 1868; Robinson 1887; PAL 1989	FORESTED AND GOOD CONDITION	Not Yet Identified
49	PA-64	Pre-1853 E.R. Biddle Structure, 2 Structures (1 Dwelling), E. Feidler Structure, Unnamed Structure (PA-58); E.R. Biddle Structure, 1 Structure (Dwelling), E. Feidler Structure, Unnamed Structure (PA-60); E.R. Biddle Structure, 1 Structure (64/64a [100])	Historic	UNDETERMINED- Historic Map Research	Lightfoot and Geil 1853; Hopkins 1867; Beers 1868; Robinson 1887; Huggan 2008	LIKELY MAPPED INCORRECTLY, SEE PA-64a	Also note 28Mr334 for PA-64a (100)
50	PA-68	Railroad Spur	Historic	UNDETERMINED- Historic Map Research & Features Still Present	Robinson 1887; Lowenthal 1981	NOT ON INSTALLATION PROPERTY	Identified February 2012 with David Bernstein off installation property
51	PA-69	Winter and Pardee Mines; Chester Iron Co. Mine	Historic	UNDETERMINED- Historic Map Research & Features Still Present	Robinson 1887; Bayley 1910	NOT ON INSTALLATION PROPERTY	Identified February 2012 with David Bernstein off installation property
52	PA-70	Unnamed Structure (Features Still Present)	Historic	UNDETERMINED- Historic Map Research	Robinson 1887	FORESTED AND GOOD CONDITION	Potentially identified as a series of stonewalls
53	PA-73/74	Mill	Historic	UNDETERMINED- Historic Map Research & Features Still Present	Gordon 1828	FORESTED AND UNDETERMINED (2011 fieldwork)	Potentially identified as holding ponds, topographic landforms and rises, and stonewalls alongside Green Pond Brook; in woods from Spargo Rd behind Bldg 1217

54	PA-75/75a	18th Century Limestone Quarry for Mt. Hope Furnace	Historic	UNDETERMINED- Historic Map Research & Features Still Present	War Plans Division 1931; PAL 1989; Panamerican 2000 ICRMP; Huggan 2013	FORESTED AND UNDETERMINED (2012 Aerial)	75- Potentially identified along Phipps Rd across from 59 partially uphill and along the former Coonroad Path; 75a- Potentially identified at top of Berkshire Trail and end of the former Coonroad Path- see 2013 291 Cell Tower SHPO Project folder for further details
55	PA-76	18th Century Limestone Quarry for Mt. Hope Furnace (location approx.)	Historic	UNDETERMINED- Historic Map Research	War Plans Division 1931	LIKELY PREVIOUSLY DEVELOPED OVER; UNDETERMINED	Not Yet Identified
56	PA-77/77a (98)	19th Century Samuel Merritt Forge (location approx.)	Historic	UNDETERMINED- Historic Map Research	Munsell 1882; PAL 1989; Panamerican 2000 ICRMP	LIKELY PREVIOUSLY DEVELOPED OVER; UNDETERMINED	Not Yet Identified
57	PA-79/79a	Mt. Hope Baptist Church and Cemetery	Historic	UNDETERMINED- Historic Map Research	Munsell 1882; Panamerican 2000 ICRMP	NOT ON INSTALLATION PROPERTY; PROTECTED BY ROCKAWAY TWP	Not on installation property
58	PA-81	Mt. Pleasant Station (circa 1900)	Historic	UNDETERMINED- Historic Map Research	Lowenthal 1981	LIKELY PREVIOUSLY DEVELOPED OVER; UNDETERMINED	Attempted to identify November 2012 with no findings on south side of S. Brook Rd; to note there is a potential built-up area of stone near the Pheasant Pen and to its south in the woods near the RR tracks which may be potential remnants- already surveyed though with not much collected (EUL)
59	PA-82	Picatinny Station (circa 1900)	Historic	UNDETERMINED- Historic Map Research	Lowenthal 1981	LIKELY PREVIOUSLY DEVELOPED OVER; UNDETERMINED	Not Yet Identified; photo exists within Owens files, probably near Bldg 161 and mapped incorrectly
60	PA-84/84a	Navy Dept. Station (circa 1900)	Historic	UNDETERMINED- Historic Map Research & Features Still Present	Beardsley 1954 Railroad Survey Map; Lowenthal 1981; Panamerican 2000 ICRMP	FORESTED AND GOOD CONDITION	Potentially identified November 2012 with stone retaining wall and hollow clay tile remains utilizing 1957 Railroad Survey map; small pit foundation and circa 1930-50s glass electric insulator w/ metal adaptor collected nearby
61	PA-86	19th Century Charcoal Kiln	Historic	UNDETERMINED- ISOLATED SHOVEL TEST FIND	Sandy and Rutsch 1992	FORESTED AND UNDETERMINED (2007 Aerial)	Not Yet Identified
62	PA-90	L. Spicer established Dwelling	Historic	UNDETERMINED- Historic Map Research	Robinson 1887; PAL 1989; Panamerican 2000 ICRMP	FORESTED AND UNDETERMINED (2007 Aerial)	Not Yet Identified
63	PA-91	L. Spicer established Dwelling	Historic	UNDETERMINED- Historic Map Research	Robinson 1887; PAL 1989; Panamerican 2000 ICRMP	FORESTED AND UNDETERMINED (2007 Aerial)	Not Yet Identified
64	PA-92	L. Spicer established Dwelling	Historic	UNDETERMINED- Historic Map Research	Robinson 1887; PAL 1989; Panamerican 2000 ICRMP	FORESTED AND UNDETERMINED (2007 Aerial)	Not Yet Identified
65	PA-93	L. Spicer established Dwelling	Historic	UNDETERMINED- Historic Map Research	Robinson 1887; PAL 1989; Panamerican 2000 ICRMP	LIKELY PREVIOUSLY DEVELOPED OVER	Not Yet Identified
66	PA-104/P-2	Whitam Farm Complex	Both	UNDETERMINED- Report Research; ISOLATED FIND	Klein et al. 1986; Fitch and Glover 1990; Panamerican 1996 ICRMP; Panamerican 2007, 1300 Area	FORESTED AND DISTURBED CONDITION	Identified as ISO-24; Destroyed in 1926 Lake Denmark Explosion
67	PA-105/P-3	Arrowheads	Prehistoric	UNDETERMINED- Report Research	Klein et al. 1986; Fitch and Glover 1990; Panamerican 2000 ICRMP	LIKELY PREVIOUSLY DEVELOPED OVER	Bldg 975 Area- No Longer Standing, Not Yet Identified
68	PA-106/P-4	Projectile Point	Prehistoric	UNDETERMINED- Report Research	Klein et. al 1986; Fitch and Glover 1990; Panamerican 2000 ICRMP	LIKELY PREVIOUSLY DEVELOPED OVER	Likely disturbed by Golf Course, B121 Construction, Not Yet Identified

69	PA-107	Projectile Point	Prehistoric	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2008	FORESTED AND GOOD CONDITION	Isolated Find
70	PA-108	Stone Foundation, Robert H. Poggenburg (?) Dwelling	Historic	UNDETERMINED- Historic Map Research & Features Still Present	Huggan 2008	FORESTED AND GOOD CONDITION	may be related to PA-6 and the Wharton & Northern RR
71	PA-109	Stone Privy Foundation/Spicertown (?) related Dwelling	Historic	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2009	FORESTED AND GOOD CONDITION	Potentially associated with PA-19a/89
72	PA-111	Stone Well or Potential Monument/Land Plot Marker, Walton/Doland relation?	Historic	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2008	FORESTED AND GOOD CONDITION	Potentially related to 28Mr323
73	PA-112	Historic Brick/Debris Scatter	Historic	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2009	FORESTED AND GOOD CONDITION	Isolated Find
74	PA-113	Quartz Shatter	Prehistoric	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2009	FORESTED AND GOOD CONDITION	Isolated Find
75	PA-115	Naval Recreation Center, Water Pump Station and Air to Surface Land Targets	Historic	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2010	FORESTED AND GOOD CONDITION	Isolated Find; much treefall observed Feb 2012
76	PA-116	Steps from 1930s era construction of PSE&G ROW	Historic	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2010	FORESTED AND GOOD CONDITION	Isolated Find
77	PA-118	Stone Land Plot Marker/Monument, John Kindred or Morris Co. RR relation per 1886-1942 Property Map??	Historic	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2010	FORESTED AND GOOD CONDITION	
78	PA-119	Historic Trash Scatter and barbed wire fence nearby- John Kindred or J.Groach relation?	Historic	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2010	FORESTED AND GOOD CONDITION	Potentially related to PA-9/31/82 or 28MR354
79	PA-120	Stone Chimney, potentially reused by Naval Depot	Historic	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2011	FORESTED AND GOOD CONDITION	Potentially related to 28Mr355
80	PA-121	Wharton & Northern Railroad Denmark Extension Fire Brick Scatter	Historic	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2011	FORESTED AND GOOD CONDITION	Potentially related to 28Mr343
81	PA-122	Potential Rock Shelter and Small Overhang and Small Lithic Scatter	Prehistoric	UNDETERMINED- FENCE POST MINIMAL IMPACT- STRATIGRAPHY UNDEFINED	Huggan 2011	FORESTED AND GOOD CONDITION	
82	PA-123	Small Lithic Scatter	Prehistoric	UNDETERMINED- FENCE POST MINIMAL IMPACT- STRATIGRAPHY UNDEFINED	Huggan 2011	FORESTED AND GOOD CONDITION	
83	PA-124	Small Lithic Scatter	Prehistoric	UNDETERMINED- FENCE POST MINIMAL IMPACT- STRATIGRAPHY UNDEFINED	Huggan 2011	FORESTED AND GOOD CONDITION	
84	PA-125	Small Lithic Scatter	Prehistoric	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2011	FORESTED AND GOOD CONDITION	Surface impacted by new range (650) access rd
85	PA-126	Potential Rock Shelter and Overhang	Prehistoric	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2011	FORESTED AND GOOD CONDITION	
86	PA-127	Small u-shaped stone structure, possible collier's hut(?)	Historic	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2011	FORESTED AND GOOD CONDITION	
87	PA-128	Set of stone stairs and small poured concrete foundation	Historic	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2010	FORESTED AND GOOD CONDITION	Similar to 28Mr347
88	PA-129	Stone Land Plot Marker/Monument or well- thin concrete cap/cover present, Lyman Smith & Roy Lynd, Et Al. or Morris Co. RR relation per 1886-1942 Property Map?	Historic	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2011	FORESTED AND GOOD CONDITION	Appears similar to PA-118; push piles, berms, and dry drainages observed directly adjacent to Green Pond Brook
89	PA-130	bottle and household debris scatter; wooden fence post	Historic	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2012	FORESTED AND GOOD CONDITION	
90	PA-131	large rock with rock pile stacked around- property corner?	Historic	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2012	FORESTED AND GOOD CONDITION	
91	PA-132	trash scatter and rock pile	Historic	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2012	FORESTED AND GOOD CONDITION	
92	PA-133	collapsed stone well	Historic	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2012	FORESTED AND GOOD CONDITION	
93	PA-134	area of various stonewalls and pit foundations	Historic	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2012	FORESTED AND GOOD CONDITION	Not on installation property; on restrictive easement

94	PA-135	horseshoes identified near Belt Rd and Bldg 3116; Lake Denmark Naval Ammunition Depot Relation to former Employee House and Barn nearby	Historic	UNDETERMINED- UXO INVESTIGATION FIND	Huggan 2012; 1919 Plot Plan Map of Lake Denmark Naval Ammunition Depot	FORESTED AND GOOD CONDITION	
95	PA-136	horseshoe and drawer handle identified near former Naval Depot Sawmill and 1926 Explosion dump site (28-Mr-358)	Historic	UNDETERMINED- UXO INVESTIGATION FIND	Huggan 2012	FORESTED AND GOOD CONDITION	
96	PA-137	metal wedge wood splitting tool	Historic	UNDETERMINED- UXO INVESTIGATION FIND	Huggan 2012	FORESTED AND GOOD CONDITION	Potentially related to A. Walton Tract; PA-32
97	PA-138	undecorated ceramic jug and bucket scatter	Historic	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2012	FORESTED AND GOOD CONDITION	Potentially related to A. Walton Tract; PA-32
98	PA-139	metal knife with bone handle(?); stonewall nearby	Historic	UNDETERMINED- UXO INVESTIGATION FIND	Huggan 2012	FORESTED AND GOOD CONDITION	artifact may be Native American and/or Colonial time period related?
99	PA-140	mess kit, drill bit and nail with stonewall nearby along Berkshire Trail Rd	Historic	UNDETERMINED- UXO INVESTIGATION FIND	Huggan 2012	FORESTED AND GOOD CONDITION	Potentially related to construction of Berkshire Trail Rd itself?
100	PA-141	hatchet head and horseshoes	Historic	UNDETERMINED- UXO INVESTIGATION FIND	Huggan 2012	FORESTED AND GOOD CONDITION	Potentially related to PA-3
101	PA-142	potential mining stope and cut stone	Historic	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2012	FORESTED AND GOOD CONDITION	Potential privy nearby not relocated from 2008-09 identification (w/out GPS unit)
102	PA-143	Oreland Jct along Wharton and Northern Railroad; foundation still present	Historic	UNDETERMINED- Features Still Present	Lowenthal 1981; Huggan 2012	NOT ON INSTALLATION PROPERTY; PROTECTED BY ROCKAWAY TWP	Not on installation property
103	PA-144	large concrete and stone foundation, metal wagon wheel, associated stonewalls	Historic	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2012	FORESTED AND GOOD CONDITION	evidence of NARTS Test Area G disturbance surrounding on surface (ie. haz waste drums, push piles, modern ordnance related trash, etc.)
104	PA-145	stone foundations, associated stonewalls, metal stroller or cart, trash/residential debris	Historic	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2012	FORESTED AND GOOD CONDITION	evidence of NARTS Test Area G disturbance surrounding on surface (ie. haz waste drums, push piles, modern ordnance related trash, etc.)
105	PA-146	Stone Land Plot Marker/Monument and Wood Fence Posts, Johanna Buckley relation per 1886-1942 Property Map	Historic	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2013	FORESTED AND GOOD CONDITION	
106	PA-147	Series of round and square shaped depressions, partial stoneheap, partial stonewalls, and trails (some stone-lined on sides), Edwin Spicer relation per 1886-1942 Property Map	Historic	UNDETERMINED- SURFACE RECONNAISSANCE FIND	Huggan 2013	FORESTED AND GOOD CONDITION	documented (map created) and photos taken- see archaeological sites folder with site update related to 28Mr276 thru 279- location marked at center point of trails

## **Appendix E: Historic Buildings Assessment Catalog**

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The following is a tabulated list of existing structures, associated Real Property auxiliary structures and landscape features, and known demolished structures with documentation and/or interview confirmation.

		NEEDS TO BE HISTORICALLY ASSESSED FOR NRHP				
		NEW STRUCTURE PER IFS PRE-AUDIT (2009)- guesstimate age of construction by Real Property- AGE DETERMINATION NEEDED PRIOR TO NHPA REQUIREMENTS BEING FULFILLED				
		NRHP ELIGIBLE				
		DISPOSAL; DEMOLITION PLANNED				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
1	1885 as Magazine No. 2; circa 1940-rebuild after 1926 explosion	Storage Magazine; Physical Research Lab	EVALUATED 1982-83 HABS; COMPLETED 1999	Admin General Purpose; Post Headquarters	NREC	Former Bldg 171 and partially Magazine No. 2; Annex, N; S; Criterion A; Administrative and Research Historic District; Interior renovations have been occurring prior to 2006 with limited SHPO consultation
2	1918	Magazine; Museum	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin General Purpose; Research & Development (R&D)	Determined Not Eligible for Listing (DNE)	
3	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Legal Counsel Admin	DNE	
6	1930 (RP info); 1942 (survey)	Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Fuze Research Center Admin	DNE	Renovated with an addition 2010-11 for Army FUZE BRAC Development
7	1994	Armament Integration Facility and Indoor Test Range	2039	Armament Integration Facility and Indoor Test Range	Not Evaluated (NEV)	300 and 100 meter Indoor Test Ranges; 100 meter range added in 2010
8	2010	Armament Technology Facility	2055	Armament Technology Facility	NEV	
9	1942	Admin General Purpose	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin General Purpose	DNE	Renovated 2011-12 with new stucco exterior
10	1941	Admin General Purpose	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin General Purpose	DNE	Renovated 2011-12 with new stucco exterior
10B	2011	Admin General Purpose	2056	Admin General Purpose	NEV	Built as Temporary Bldg for new Army Contracting Command Facility during construction operations/relocation of personnel
11	1941	Tin Liner and Packing Box Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Facilities Engineering Maintenance Shop	DNE	
12	1979	Info Processing Center	2024	Info Processing Center; Admin General Purpose	NEV	
13	1930	Box Manufacturing Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Chugach Operations and Admin General Purp	DNE	
14	2011	Lab and Test Bldg; General Purpose	2056	Lab and Test Bldg; General Purpose Fuze	NEV	Addition onto Bldg 6 for Army FUZE BRAC Development
17	1918	Gen Purp Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Flammable Materials Storehouse	DNE	
18	1918	Flammable Materials Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Lab; R&D Admin	DNE	
18A	2009	Storage	2054	Storage	NEV	
18B	2012	Ordnance Facility and High Bay	2057	Ordnance Facility and High Bay	NEV	
18C	2013	Ordnance Facility and High Bay	2058	Ordnance Facility and High Bay	NEV	
19	1918	Flammable Materials Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Electronic Equip Facility	DNE	
20	1918	Flammable Materials Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	R&D Admin	DNE	
20A	1991	ARDEC Armanent Lab	2036	ARDEC Armanent Lab	NEV	

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		NEW STRUCTURE PER IFS PRE-AUDIT (2009)- guesstimate age of construction by Real Property- AGE DETERMINATION NEEDED PRIOR TO NHPA REQUIREMENTS BEING FULFILLED				
		NRHP ELIGIBLE				
		DISPOSAL; DEMOLITION PLANNED				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
21	1918	Flammable Materials Storehouse; Weapons Instrumentation Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin General Purpose	DNE	
25 (24)	1942	Plating Shop; Operations and Shipping Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Metallurgy Lab	DNE	DEMO- HPO-L94-434; BLDG 24 WAS DEMOED. PORTION OF BLDG STILL EXISTS AS NOW BLDG 25- FORMER BLDG 45
30	1918	Ammunition Parts Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Equipment Facility; Admin General Purpose; Credit Union	DNE	Units N & S
31	1930	Precision Machine Shop	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Precision Machine Shop and High Bay; Admin General Purpose	DNE	Major renovation 2001-2005 with high storage bay for large vehicles and weapons
33	circa 1922 first floor; 1933 second floor addition	Vehicle Maintenance Shop; Gen Purp Admin	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Vehicle Maintenance Shop; Admin General Purpose	DNE	One story rear portion built before 1922; remaining 2-story portion built 1933
34	1940	Quality Assurance Division	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin General Purpose; Cafeteria	DNE	Units N & S
36	1918	Gen Purp Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Warehouse	DNE	
39	1918	Gen Purp Warehouse; Facilities Engineering Maintenance Shop	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Golf Course Maintenance Shop	DNE	
39A	2007	Golf Course Maintenance	2052	Golf Course Maintenance	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
40	1918	Gen Purp Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Warehouse	DNE	
41	1918	Gen Purp Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Warehouse	DNE	
44A	2002	Detection Equip Bldg	2047	Detection Equip Bldg	NEV	
45	1918	Gen Purp Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Warehouse	DNE	Renovated 2010-11
46	1940	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	
47	1940	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	
48	1940	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	
49	1940	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	
50	1940	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	
51	1940	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	

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		NRHP ELIGIBLE				
		DISPOSAL; DEMOLITION PLANNED				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
52	1941	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	
53	1941	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	
54	1941	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	
55	1941	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	
56	1941	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Precision Machine Shop	DNE	
57	1941	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Shipping and Receiving Bldg	DNE	
59	1937	Lumber Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	ARDEC Technical Library; Admin General Purpose	DNE	
60	1942	Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Lab and Test Bldg; Admin General Purpose	DNE	
61	1941	Inert Component Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Engineering/Ordnance Admin	DNE	
62	1941	Inert Component Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Admin	DNE	
63	1942	Lumber, Box and Pipe Storage; Facility Engineering	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	
64	1942	Cutting Oils Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin General Purpose	DNE	
65	1942	Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Lab; R&D Admin	DNE	Units N & S
67	1953	Oil Storage; Special Weapons Storehouse; Flammable Materials Storehouse; Precision Machine Shop	COMPLETED 2007	Flammable Materials Storehouse	DNE	
68	1957	Unknown	COMPLETED 2007	Ordnance Facility	DNE	
70	1948	Igloo Storage	COMPLETED 2007	Igloo Storage	DNE	
71	1948	Igloo Storage; High Explosive Magazine	COMPLETED 2007	Igloo Storage	DNE; Eligible for the Purposes of a Program Alternative (ELPA)	
73	1955	Scale House	COMPLETED 2007	Scale House	DNE	
79	1942	Field Office; Bombproof Shelter	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin General Purpose	DNE	
80B	1942	Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Sewage and Wastewater Treatment Bldg	DNE	
84	1944	Gen Purp Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Warehouse	DNE	
85	1988	Wastewater Treatment Facility	2033	Wastewater Treatment Facility	NEV	
91	1942	Gen Storehouse Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Physics Lab; Shipping and Receiving Bldg; Supply and Services Admin	DNE	

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		NRHP ELIGIBLE				
		DISPOSAL; DEMOLITION PLANNED				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
92	1964	Ordnance Facility; Quality Evaluation Lab	COMPLETED 2007	Physics Lab	DNE	
93	1982	Television Center; Admin General Purpose; Auditorium	2027	Admin General Purpose; Auditorium	NEV	Former Bldg 1
94	1967	Admin General Purpose	COMPLETED 2007	R&D Admin	DNE	
95	1960	W.L. Bell Bldg; Special Weapons Pilot Plant; Nuclear Propellant Lab; Physics Lab; Computer Simulation	COMPLETED 2004	Ordnance Bldg; Admin General Purpose	DNE	Panamerican recommended as potentially eligible; SHPO did not concur- DNE
99	1943	Boiler House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Storage	DNE	
100	1939	Officers' Quarters	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (Col)	DNE	RCI; Balfour Beatty; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
102	1939	Officers' Quarters	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (Col)	DNE	RCI; Balfour Beatty
104	1938	Officers' Quarters	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (Col)	DNE	RCI; Balfour Beatty
105	circa 1860	Residence	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (LTC/MJ)	DNE	RCI; Balfour Beatty; relocated from the 281 Area around 1921, original Righter family homestead
106	1899	Officers' Quarters	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (Col)	DNE	RCI; Balfour Beatty
108	1882	Storehouse; Schoolhouse; Quarters	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Storage	DNE	RCI; Balfour Beatty
109	1939	Officers' Quarters	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (Col)	DNE	RCI; Balfour Beatty
110	circa 1860	Superintendent's House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Distinguished Visitor's Quarters; Guest Quarters	DNE	Original Wiggins homestead
111	1909	Root Storage; Greenhouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Storage; Greenhouse	Contributing Element of National Register Eligible District (NREC)	Criterion A & C; Administration and Research Historic District; Interior renovations have not taken place; DEMO SHPO COMPLETE via DERP AMENDMENT & Signature- 10 March 11; DISPOSAL PENDING HISTORIC NARRATIVE COMPLETION
112	1908-1911	Commanding Gen's Quarters	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (Gen)	NREC	Criterion A & C; Administration and Research Historic District; RCI; Balfour Beatty; Interior renovations occurred in 1939 and 2007 (HPO-D2007-040)
113	1908-1911	Family Housing Gen	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (Gen)	NREC	Criterion A & C; Administration and Research Historic District; RCI; Balfour Beatty; Interior renovations occurred in 1939 and 2007 (HPO-L2006-068)
114	1884	Admin; Headquarters; Commanding Officer's Quarters	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (Col)	NREC	Criterion A & C; Administration and Research Historic District; RCI; Balfour Beatty; Interior renovations occurred in 1939 and 2009-10 (HPO-i2010-0166)
115	1884	Guardhouse; Fire Engine House; School; Officers' Quarters	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (Col)	NREC	Criterion A & C; Administration and Research Historic District; former Rockaway Twp. School No. 7; RCI; Balfour Beatty; interior renovations occurred in 1939, 2007 (HPO-D2007-040), and 2012

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		NRHP ELIGIBLE				
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BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
117	1885	Stable and Coach House; Wagon Shed; Scale House; Storehouse No. 5; Transient Officers' Quarters	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Balfour Beatty and RCI Housing Administrative Bldg	DNE	RCI; Balfour Beatty; DEMO- HPO-H2000-26- NO LONGER PLANNED FOR DEMO; 2006 RENOVATION; Units A-C
118	1918	Barracks	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Civilian Personnel Admin; Industrial Hygiene Office and Health Clinic	DNE	
119	1887	Officers' Quarters; Fill Plant; Hospital; Barracks	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Army Community Service	NREC	Criterion A & C; Administration and Research Historic District; Interior renovations occurred 2010 with Adverse Effect determination and MOA for New Vinyl Window Replacement (HPO-F2010-033, Log 08-0263)
120	1918	Enlisted Men's Quarters; Civilian Personnel Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Drug and Alcohol Abuse Center	DNE	
121	1936	Recreation	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999; UPDATED 2008	Golf Club House; Dining Facility; Recreational Facility	DNE	2008 Renovations
121A	1944	Golf Cart Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Golf Pro Shop; Golf Course Maintenance	DNE	2008 Renovations& Addition
121B	1968	Golf Cart Storage Bldg	COMPLETED 2007	Golf Course Maintenance	DNE	
126	1939	Officers' Quarters	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (Col)	DNE	RCI; Balfour Beatty
127	1939	Officers' Quarters	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (Col)	DNE	RCI; Balfour Beatty
151	circa mid 1920s; 1929 rebuild	Post Headquarters Bldg; Basement- Cafeteria; Hospital	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin General Purpose	NREC	Criterion A & C; Administration and Research Historic District; 1940-41 addition of rear portion making H-shaped building; Front and Rear Entrance Interiors historically intact; 2006-2010 Basement Renovations- HPO-F2004-0248; HPO-H2009-079
161	1942	Gen Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	
162	circa mid 1920s; 1929 rebuild	Physics; Chemistry Lab	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Applied Instrument Bldg; Admin General Purpose	NREC	Criterion A & C; Administration and Research Historic District; Front and Rear Entrance Interiors historically intact; Renovated 1980+
163	1930	High Explosives Research Lab; Signal Photo Lab	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin General Purpose	NREC	Criterion A & C; Administration and Research Historic District; Interior renovations occurred 2010 with interior demo, roof replacement and cornice repair, and conversion to usage
164	1930	Chemistry; Stability Lab	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Vacant; Derelict	NREC	Criterion A & C; Administration and Research Historic District; DEMO SHPO COMPLETE via DERP AMENDMENT & Signature- 10 March 11; DISPOSAL PENDING HISTORIC NARRATIVE COMPLETION
166	1943	Test Conditioning Chamber	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Vacant; Derelict	NREC	Criterion A & C; Administration and Research Historic District; DEMO SHPO COMPLETE via DERP AMENDMENT & Signature- 10 March 11; DISPOSAL PENDING HISTORIC NARRATIVE COMPLETION

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		NRHP ELIGIBLE				
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BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
168	1930	Ammunition and Explosives Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Lab	NREC	Criterion A & C; Administration and Research Historic District; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
169	2009	Fire House	2053	Fire House	NEV	
172	1942	Ordnance Admin	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Engineering Admin	NREC	Criterion A & C; Administration and Research Historic District; Interior renovations occurred 2006-07 with limited SHPO consultation
173	1942	Guard House; Telephone Building and Transformer Station; Fire House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Police Station and Communication Center	NREC	Criterion A & C; Administration and Research Historic District; Pending funding, interior demolition is planned in the basement with 1st & 2nd floor renovations and window in-fills to be reopened
174	1942	Garage; Service Magazine; Plastics and Chemistry Research Lab	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin General Purpose	NREC	Criterion A & C; Administration and Research Historic District
175	1996	Child Care Center	2041	Child Care Center	NEV	
176	1944	Plastics Info Center; Lab, Equip, and Ammunition Sampling	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Garrison Command Admin	NREC	Criterion A & C; Administration and Research Historic District
183	1943-45	Steam Flow Meter House(?); Metals Laboratory; Materials Facility & Adhesives Laboratory; Plastics Lab	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin General Purpose	NREC	Criterion A & C; Administration and Research Historic District; Interior renovations have been occurring prior to 2006 with limited SHPO consultation
209	1941	Gen Storehouse	EVALUATED 1982-83 HABS; COMPLETED 2007	Gen Storehouse	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMO- HPO-D2009-211 PROD- NO LONGER PLANNED FOR DEMO
214	1941	Change House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Change House	DNE	DEMO- HPO-L2007-23- NO LONGER PLANNED FOR DEMO
217; 218; 219	2007	New Construction Not Yet Complete- Explosive Research & Development Loading Facility		New Construction Not Yet Complete- Explosive Research & Development Loading Facility	NEV	
221	1941	Binder Preparation Plant Cast; High Explosive Fill House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	DEMO- HPO-L2007-23- NO LONGER PLANNED FOR DEMO- renovated 2011-12
224	1962	Electric Equipment Facility; Control Bunker	EVALUATED 1982-83 HABS; COMPLETED 2007	Electrical Equip Facility	DNE	DEMO- HPO-D2009-211 PROD
225	1946	Ordnance Facility; Operating Machine Shop	EVALUATED 1982-83 HABS; COMPLETED 2007	Operating Facility	DNE	DEMO- HPO-D2009-211 PROD
230	1918	Primer and Detonator Loading	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	DEMO- HPO-L2007-23
230A	1944	High Explosives Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Magazine	DNE; ELPA	DEMO- HPO-L2007-23
230B	1944	High Explosives Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Magazine	DNE; ELPA	DISPOSAL PLANNED
230F	1941	Gen Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Inert Storage	DNE	DEMO- HPO-L2007-23
230G	1944	Motor and Blower Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Motor Room	DNE	

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		NRHP ELIGIBLE				
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BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
231	1959	Electric Equipment Facility; Cast High Explosive Filling Plant	COMPLETED 2007	Electric Equipment Facility	DNE	
232	1918	Detonator Loading	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	DEMO- HPO-L2007-23
232A	1956	Flammable Materials Storehouse	COMPLETED 2007	Flammable Materials Storehouse	DNE	DEMO- HPO-D2009-211 PROD
232C	1943	Equip Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Air Conditioning Plant	DNE	
234	1959	Cast High Explosives Filling Plant; Curing and Annealing Bldg	EVALUATED 1982-83 HABS; COMPLETED 2007	Metallurgy Lab	DNE	DEMO- HPO-C2005-147; DEMO- HPO-D2009-211 PROD
235	1918	Mercury Fulminate Mixing	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	DEMO- HPO-L2007-23
236	1959	Cast High Explosives Filling Plant; Press Barricade	COMPLETED 2007	Ordnance Facility	DNE	DEMO- HPO-C2005-147
237	1959	Press Barricade	COMPLETED 2007	Ordnance Facility	DNE	DEMO- HPO-C2005-147
238	1942	Archery Range; Press Facilities	EVALUATED 1982-83 HABS; COMPLETED 2007	Ordnance Facility	DNE	DEMO- HPO-E94-61; HPO-C2005-147- NO LONGER PLANNED FOR DEMO- 2007 RENOVATION
240	1942	Change House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Motor Pool Dispatch; Admin General Purpose	DNE	
241	1920	Demising; Disassembly Explosive; Indoor Firing; Archery Range	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Facilities Engineering Maintenance Grounds; ID Firing Range	DNE	
242	1984	Centralized Wash Facility	2029	Centralized Wash Facility	NEV	
247	1962	Hydrostatic Isostatic Press Bldg; Barricades Explosives	EVALUATED 1982-83 HABS; COMPLETED 2007	Ordnance Facility	DNE	ALSO LABELED IN IFS AS R0247 (1980)
252	1918	Hand Grenade Loading; Press Loading	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	
252C	1920	Ammunition Picrate Screening	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ready Magazine	DNE	DEMO- HPO-D2009-211 PROD
252G	circa 1995-2002	Storage	2040	Storage	NEV	confirmed build through historicaerials.com
256	1889	No. 6 Powder Magazine; Booster and Fuze Loading Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Storage Facility	DNE	2011 Renovation
266	1903	Wind Tunnel; High Explosive "A" Magazine; Pump and Change House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Wind Tunnel Facility	DNE	
266A	1938	Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Flammable Materials Storehouse	DNE	
267	1941	Change House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	
281	1921	Pelleting; Offices; Change House; Admin General Purpose; OED Lab	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Police Swat Training; Admin Gen Purp	DNE	
282A	1947	Air Conditioning Plant	NOT NEEDED- COVERED UNDER 2007 PROGRAM COMMENT FOR AMMO STORAGE FACILITIES	High Explosive Magazine; Inert Storage	DNE; ELPA	COVERED UNDER 2007 PROGRAM COMMENT FOR AMMO STORAGE FACILITIES; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10

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		NEW STRUCTURE PER IFS PRE-AUDIT (2009)- guesstimate age of construction by Real Property- AGE DETERMINATION NEEDED PRIOR TO NHPA REQUIREMENTS BEING FULFILLED				
		NRHP ELIGIBLE				
		DISPOSAL; DEMOLITION PLANNED				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
282D	1938	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Warehouse	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
301	1943	Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Storehouse	DNE	
301A	1943	Oil House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Storehouse	DNE	
302	1905	Sodium Nitrate Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin General Purpose; Facility Engineering Maintenance Shop; Precision Machine Shop	DNE	
302C	1939	Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Facility Engineering Storehouse	DNE	
302E	1944	Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Facility Engineering Storehouse	DNE	
302F	1956	Post Engineer Storehouse	COMPLETED 2007	Post Engineer Storehouse	DNE	
303	1940	Fabrication; Facility Engineering Maintenance Shop; Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Precision Machine Shop	DNE	
304	1941	Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Facility Engineering Storehouse	DNE	
305	1945	Post Engineer Maintenance Shop; Facility Engineer Storehouse; Ice Making Bldg	COMPLETED 1982-83; RE-EVALUATED 2007	Storehouse	DNE	
307	1880	Original Powder Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Facility Maintenance Shop; Admin General Purpose	DNE	
312	1986	Radioactive Storage Warehouse	2032	Radioactive Storage Warehouse	NEV	
314	1942	Salvage and Surplus Property	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Salvage and Surplus Property	DNE	
314B	1958	Salvage and Surplus Property; Storage	COMPLETED 2007	Storage	DNE	
314D	1971	Salvage and Surplus Property	2016	Storage	NEV	
314E	1971	Salvage and Surplus Property	2016	Storage	NEV	
315	1908	Sodium Nitrate Storehouse; Post Engineering Maintenance	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Metallurgy Lab	DNE	
316	1907	Sodium Nitrate Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Hazardous Materials Storehouse	DNE	
318	1907	Sodium Nitrate Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Metallurgy Lab	DNE	
319	1906	Sodium Nitrate Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin General Purpose	DNE	
317; 320	1947	Incinerator; Health and Science Lab; AC Plant	COMPLETED 2007	ARDEC Radiation Protection Office; Health and Physics Lab	DNE	
321	1903	Fuzed Projectile "O" Storehouse; Ordnance Facility	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin General Purpose	DNE	
322	1906	Sodium Nitrate Storehouse; 87mm Loading Plant; Foundry; Metallurgy Lab	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin General Purpose	DNE	
323	1906	Sodium Nitrate Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Lab	DNE	

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		NRHP ELIGIBLE				
		DISPOSAL; DEMOLITION PLANNED				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
323D	1942	Inert Storage Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Term Equip Bldg	DNE	
324	1905	Sodium Nitrate Storehouse; Gen Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	
326	1918	Shell Sandblasting	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Facility Maintenance Shop	DNE	
329	1903	Sodium Nitrate Storehouse; Electro-Magnetic Gun Range	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Propellant Systems Facility	DNE	
332	1942	Change House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Change House	DNE	
333	1902	Power; Turbine House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Human Engineering Lab	DNE	
337	1914	Boat House; Recreation Bldg Rod & Gun Club	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Dining Facility	DNE	2007- relocated away from Picatinny Lake and renovated for restaurant use
351	1938	Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Info Systems Facility; Uninterrupted Power Supply Facility	DNE	
353	1938	Parts Storag	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Physics Lab	DNE	DEMO- HPO-E2007-121
354	1940	Engineering R&D; Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin General Purpose	DNE	DEMO- HPO-E2007-121
355	1940	Engineering R&D	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin General Purpose; Metallurgy Lab	DNE	
356	2007	Admin General Purpose	2053	Admin General Purpose	NEV	Enhanced Use Lease Privatization Facility
382	1942	Loading Branch Office	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin General Purpose; Refrigeration & A/C Plant	DNE	
403	1906	Sodium Nitrate Storehouse; Woodworking, Packaging, and Testing Lab	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storage	DNE	DISPOSAL PLANNED PER DERP- NO LONGER PLANNED FOR DEMO
403A	1947	Storage; Barrier Materials	COMPLETED 2007	Gen Storage	DNE	
404	1906	Sodium Nitrate Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Thermo Chemistry Lab	DNE	
405	1920	Chemistry Lab	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Lab	DNE	
407	1942	Experimental Chemistry Lab	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Lab	DNE	2009- partial BRAC Renovation
407A	1942	Smokeless Powder Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Equip Storage	DNE	
407F	1938	High Explosives Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	High Explosives Magazine	DNE	
410A	1943	Chloronating Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	DEMO- HPO-L96-143
424	1903	Combustible Catridge Case Factory	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	DEMO- HPO-L2007-23

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		NRHP ELIGIBLE				
		DISPOSAL; DEMOLITION PLANNED				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
424C	1938	Nitroglycerin Separation Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE; ELPA	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF
424D	1924	High Explosives Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	High Explosives Magazine	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF
427	1938	Experimental Propellants Plant	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	DEMO- HPO-L2007-23; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF
427A	1949	Flammable Materials Storehouse	COMPLETED 2007	Flammable Materials Storehouse	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF
427B	1939	Dry House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF
429	1942	Chemistry Lab; Propellant Systems Facility	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Energetics Rheology Lab	DNE	DEMO- HPO-L2007-23; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF
429A	1954	High Explosives Magazine	COMPLETED 2004; 2007	High Explosives Magazine	DNE; ELPA	DEMO- HPO-L2007-23; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF
430	1922	Lab; Propellant Systems	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Propellant Systems Facility	DNE	DEMO- HPO-L2007-23; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF
430B	1941	High Explosives Magazine	EVALUATED 1994; COMPLETED 1999	High Explosives Magazine	DNE; ELPA	DEMO- HPO-L2007-23
436	1948	Propellant Processing Plant; Mix and Dry Propulsion Systems Facility	COMPLETED 2007	Propellant Processing Plant	DNE	DEMO- HPO-D2009-211 PROD; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF
440	1988-1995	Sentry Station; Recreational Storage	~ 2033	Boat House	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- not present on 1987 aerial, but exists by 1995
445F	1942	Small Arms Pyrotechnic Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Storage	DNE; ELPA	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
454B	1942	Powder Facility; Magazine	EVALUATED 1982-83 HABS; COMPLETED 2007	Magazine	DNE; ELPA	DEMO PLANNED ACCORDING TO TECUP MOA- 1985
455	1930	Cloth Storage, Dyeing, Cutting and Sewing	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin General Purpose	DNE	
456	1931	Field Office	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Engineering Admin Bldg	DNE	
458	2011	Packaging, Handling, Shipping and Transportation Center (PHS&T; Navy Use)	2056	Packaging, Handling, Shipping and Transportation Center (PHS&T; Navy Use)	NEV	HPO-L2008-0114
462	1942	Tracer Loading Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Chemistry Lab	DNE	
462A	1941	Gen Purp Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE; ELPA	
462B	1942	Gen Purp; Chemical Storage Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE; ELPA	
462C	1942	Gen Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	
462D	1942	Gen Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	

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		NRHP ELIGIBLE				
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BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
462E	1943	Gen Purp Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE	DEMO- HPO-L96-143
471	1944	Admin; Gen Purp Office; Change House	COMPLETED 2007	Chemistry Lab	DNE	DEMO- HPO-D2009-211-PROD- NO LONGER PLANNED FOR DEMO
471A	1962	Flammable Materials Storehouse	COMPLETED 2007	Flammable Materials Storehouse	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF
471B	1962	Flammable Materials Storehouse	COMPLETED 2007	Flammable Materials Storehouse	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF
472	1942	Chemistry Lab; Change House; Flammable Materials Storehouse; Storehouse	EVALUATED 1982-83 HABS; COMPLETED 2007	Lab and Test Bldg; General Purpose	DNE	
477	1945	Non-Gaseous Projectile Loading	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	DEMO- HPO-L2007-23; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF
477F	1945	Magazine	EVALUATED 1994; COMPLETED 1999	Vacant; Derelict	DNE; ELPA	DEMO- HPO-L2007-23; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF
501	1928	Gen Purp Magazine; Post Engineer Maintenance Shop; Measuring Equip and Repair Bldg	EVALUATED 1982-83 HABS; COMPLETED 2007	Measuring Equip Bldg	DNE	
507	1929	Railroad Engine Shop	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Facility Maintenance Shop	DNE	
514	1930	Boiling Tub House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Lab and Test Bldg; General Purpose	DNE	
524	1955	Change House	EVALUATED 1982-83 HABS; COMPLETED 2007	Admin General Purpose	DNE	
525A	1930	Acid Lab	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Chemistry Lab	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
526	circa 2005-2010	Ammunition; Explosive Test Facility; Pyro Facility	2050	Ammunition; Explosive Test Facility; Pyro Facility	NEV	Monument wall installed 2010 for fallen Marine 2LT Wroblewski
528	2013	Lab and Test Bldg; General Purpose	2058	Lab and Test Bldg; General Purpose	NEV	
535	2008	Storage Shed; Burning Grounds Facility	2043	Storage Shed; Burning Grounds Facility	NEV	
536	2008	Storage Shed; Gen Purp Magazine	2043	Storage Shed; Gen Purp Magazine	NEV	
537	2008	Storage Shed	2043	Storage Shed	NEV	
550	1918	Gen Purp Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	
566	1954	Ordnance Facility; Propellant Plant; Screening Bldg	EVALUATED 1982-83 HABS; COMPLETED 2007	Vacant; Derelict Ordnance Facility	DNE	DEMO- HPO-D2009-211 PROD
567	1954	Propellant Plant; Ordnance Facility; Storehouse; Rest House	COMPLETED 2007	Propellant Magazine; Explosives Library	DNE; ELPA	
602B	1934	Black Powder Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE	
602C	1967	Change House; Engineering Field Office	COMPLETED 2007	Change House	DNE	
603E	1938	Flammable Material Storehouse	COMPLETED 2007	Garage; Storage	DNE	
604	1928	Environmental Testing	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	NREC	Criterion A & C; 600 Testing Area Historic District

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		NRHP ELIGIBLE				
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BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
604A	1928	Control House for Drop Tower (604D)	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	NREC	Criterion A & C; 600 Testing Area Historic District
604B	1931	Detonating Chamber	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility ("Detonating Chamber")	NREC	Criterion A & C; 600 Testing Area Historic District
604C	1928	Sectioning	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility ("Sectioning; Teardown Facility")	NREC	Criterion A & C; 600 Testing Area Historic District
604E	1942	Wind Tunnel	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	NREC	Criterion A & C; 600 Testing Area Historic District; 2012-13 Renovations
604F	1928	Bull Pen	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility ("Bull Pen; Rifling Chamber")	NREC	Criterion A & C; 600 Testing Area Historic District; ALSO LABELED IN IFS AS R604F (1980); 2012-13 Renovations
606	1960	Gen Purp Storage Shed	COMPLETED 2007	Experimental Test Facility	DNE	
607	1940	Fragmentation Tub Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility ("Fragmentation Tub Bldg")	NREC	Criterion A & C; 600 Testing Area Historic District
607A	1938	Testing Facility	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility ("Testing Facility")	NREC	Criterion A & C; 600 Testing Area Historic District
609	1928	High Explosives Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	High Explosives Magazine	DNE	
610	1928	High Explosives Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	High Explosives Magazine	DNE	
611	circa 1959-1963	Terminal Effects Evaluation Facility and Gun Emplacement	EVALUATED 1982-83 HABS; COMPLETED 1999	Ordnance Facility; Range Control Admin	Non-Contributing Element of National Register Eligible District (NCE); DNE	WITHIN HISTORIC DISTRICT BOUNDARY
611A	1965	Armor Plate-Butt	EVALUATED 1982-83 HABS; COMPLETED 1999	Ordnance Facility	NCE; DNE; ELPA	WITHIN HISTORIC DISTRICT BOUNDARY
611B	1929	Gas Gun Test Tunnel	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	NREC	Criterion A & C; 600 Testing Area Historic District
611C	1934	Shop	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
613	1928	Mortar Powder Bldg; Ballistic Mortar Testing	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	NREC	Criterion A & C; 600 Testing Area Historic District; Interior renovations occurred in 2009 (HPO-F2008-131)
614	1958	Gen Purp Warehouse	COMPLETED 2007	Warehouse	DNE	
616	1963	Ordnance Facility; Test and Evaluation Facility	COMPLETED 2007	Test and Evaluation Facility; Outdoor Range	DNE	ALSO LABELED IN IFS AS R0616 (1980)
617	1928	Fragment Cleaning, Reconstruction and Photography Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin General Purpose	NREC	Criterion A & C; 600 Testing Area Historic District; 2009-10 interior renovations, addition, and new stucco exterior
617A	1928	High Explosives Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	High Explosives Magazine	NREC	Criterion A & C; 600 Testing Area Historic District; 2012-13 Renovations
617B	1928	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	NREC	Criterion A & C; 600 Testing Area Historic District
617F	1928	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Fuze and Detonator Magazine	NREC	Criterion A & C; 600 Testing Area Historic District; relocated September 2012 next to 621B due to new water tank and cul-de-sac- HPO-E21012-285

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		NRHP ELIGIBLE				
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BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
617G	1938	Gun and Powder Shed	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	NREC	Criterion A & C; 600 Testing Area Historic District
619	1965	High Explosives Magazine; Test Facility; Ordnance Facility; Hypervelocity Test Facility	COMPLETED 2007	High Explosives Magazine	DNE; ELPA	
620	1928	Test Range	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Test Tunnel; Offices	NREC	Criterion A & C; 600 Testing Area Historic District; DEMO SHPO COMPLETE pending Narrative Completion; BEC AND RENOVATIONS TO 617 TO INCLUDE PARKING LOT ADDITION
620A	1921	Ordnance Facility	EVALUATED 1982-83 HABS; COMPLETED 2008	Test Bldg	NREC	
620B	1921	Test Range; Tower	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility ("Test Range; Tower")	NREC	Criterion A & C; 600 Testing Area Historic District
621	1941	Fragmentation Tub Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility ("Fragmentation Tub Bldg")	NREC	Criterion A & C; 600 Testing Area Historic District
621A	1947	Small Arms Pyrotechnic Magazine	COMPLETED 2007	Vacant; Derelict	NCE; DNE; ELPA	WITHIN HISTORIC DISTRICT BOUNDARY
621B	1914	Shipping and Receiving Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	NREC	Criterion A & C; 600 Testing Area Historic District
622	1945	Ordnance Facility; Metallurgy Lab; Firing Chamber; Explosive Metal Forming Facility	COMPLETED 2007	Pyrotechnic Magazine	DNE	
625	1942	Closed Bomb Testing	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999 AND 2009	Ammunition Hut; Panel Fragmentation Testing Facility	DNE; ELPA	
627	1954	High Explosives Magazine; Explosive Test Firing Observation Bldg; Shaped-Charge Test Facility Observation	COMPLETED 2007	Shaped-Charge Test Facility Observation	DNE; ELPA	
629	1942	High Explosives Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	High Explosives Magazine	DNE; ELPA	
630	1957	Office; Admin Bldg; Gen Bldg; Change House	COMPLETED 2007	Admin Bldg; Office	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
631	1953	Ordnance Facility; Conditioning Bldg; Environmental Chambers Powder Conditions and Service Bldg	COMPLETED 2007	Environmental Chamber	DNE	
633	1957/2013 Rebuild	Ordnance Facility; Propellant Storage; Storage; Loading	COMPLETED 2007	Storage and Loading	DNE	BEC Renovation (to interior shell) Planned 2012
640	1953	Instrumentation Bldg; Electrical Equip Bldg	COMPLETED 2004	Instrumentation Bldg	DNE	
641	1957	Photoflash Bomb Test Tower	COMPLETED 2004	Vacant; Derelict Ordnance Facility	DNE	
641A	1953	Photoflash Bomb Test Tower	COMPLETED 2004	Vacant; Derelict Ordnance Facility	DNE	
641B	1963	Control; Observation Bldg	COMPLETED 2004	Vacant; Derelict Ordnance Facility	DNE	
642E	post 1960s	Gun Turret	EVALUATED PRIOR TO DEMOLITION WITH SHPO	Vacant; Derelict Ordnance Facility	DNE	DEMO- HPO-L2007-23
643	2011	Control Room	2056	Control Room	NEV	BRAC reconstruction of Range 647
644	1964	High Explosive Magazine	COMPLETED 2007	High Explosives Magazine	DNE; ELPA	

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		NRHP ELIGIBLE				
		DISPOSAL; DEMOLITION PLANNED				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
645	2011	Firing Bay and Gun Shop	2056	Firing Bay and Gun Shop	NEV	BRAC reconstruction of Range 647
648	2009	Ordnance Facility; Work Shop for 660	2054	Ordnance Facility; Work Shop for 660	NEV	
650	1957	Electric Equip Facility; Personnel Bldg	COMPLETED 2007	Electric Equip Facility; Personnel Bldg	DNE	
652	1960	Rocket Test Stand; Ordnance Facility; Observation Barricade	COMPLETED 2007	Vacant; Derelict Ordnance Facility and Observation Barricade	DNE	DEMO- HPO-D2009-211 PROD
654	1963	Ordnance Facility; Control Bunker	COMPLETED 2007	Control Bunker	DNE	
654B	1980	Storage Shed	2025	Storage Shed	NEV	
660	1997	Physics Lab; Ordnance Facility	2044	Physics Lab; Ordnance Facility	NEV	
670	1955	Electric Equip Facility; Experimental Test Facility	COMPLETED 2007	Electric Equip Facility; Firing Stand with Dark Room	DNE	
671	1958	Gen Purp Magazine	COMPLETED 2007	Gen Purp Magazine	DNE; ELPA	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
673	1961	Electric Equip Facility	COMPLETED 2007	Electrical Equip Facility	DNE	
676	1958	Range Bldg; RDT&E	2003	Range Bldg; RDT&E	NEV	
717	1926	Major Caliber Projectile Loading Plant	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Physics Lab	DNE	Originally Detonating Fuze House H
717A	1941	Ordnance Facility	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Control and Data Recording	DNE	
717B	1941	Powder Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	
717C	1941	Gen Purp Magazine; Storage Magazine	COMPLETED 2007	Gen Purp Magazine	DNE; ELPA	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
727	1929	Ejector Station	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Sewage Pump	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
800	1957	Operating Loading Bldg; Electric Motor Plant	EVALUATED 1982-83 HABS; COMPLETED 2007	Special Projects Ammo Teardown	DNE	
803	1942	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Shipping and Receiving Bldg	DNE	
806	1928	Bombproof Shelter; Change House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Admin Bldg	DNE	
807	1930	Receiving, Cleaning, and Inspection	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	
809	1948	Conveyor Drive and Motor House	COMPLETED 2007	Ordnance Facility	DNE	
810	1930	Explosives Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999; 2007	Ordnance Facility	DNE	1942- Joined with former 811- Extruding and Pouring Bldg
810A	1944	Major Caliber Projectile Loading Plant	EVALUATED 1982-83 HABS; COMPLETED 2007	Vacuum Pump House	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985
813	1930	Drilling and Assembly Plant	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility; Storage	DNE	
813A	1941	Gen Purp Magazine	EVALUATED 1982-83 HABS; COMPLETED 2007	Lavatory Facility	DNE; ELPA	DEMO PLANNED ACCORDING TO TECUP MOA- 1985- NO LONGER PLANNED FOR DEMO

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		NRHP ELIGIBLE				
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BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
816	1930	Assembly Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	
816A	1930	Major Caliber Projectile Loading Plant	EVALUATED 1982-83 HABS; COMPLETED 2007	Vacuum Pump House	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985
816B	1941	Major Caliber Projectile Loading Plant	EVALUATED 1982-83 HABS; COMPLETED 2007	Compressor House	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985
816C	1930	Gen Purp Magazine	EVALUATED 1982-83 HABS; COMPLETED 2007	Magazine	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985- NO LONGER PLANNED FOR DEMO
816D	1930	Gen Purp Magazine	EVALUATED 1982-83 HABS; COMPLETED 2007	Magazine	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985
820	1930	Packing and Shipping Bldg; Complete Rounds Bldg; Hazardous Waste Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999; 2007	Ammunition Quality Assurance and Calibration Facility	DNE	
823	1925	Major Caliber Projectile Loading Plant; Ammonium Nitrate Bldg	EVALUATED 1982-83 HABS; COMPLETED 2007	Ordnance Facility	DNE	DEMO- HPO-D2009-211 PROD- NO LONGER PLANNED FOR DEMO
824	1930	TNT Screening	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	
824A	1938	Major Caliber Projectile Loading Plant	EVALUATED 1982-83 HABS; COMPLETED 2007	Dust Collector	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985- NO LONGER PLANNED FOR DEMO
825	1930	Gen Purp Magazine; Barricade; TNT Service Bldg	EVALUATED 1982-83 HABS; COMPLETED 2007	Magazine	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985- NO LONGER PLANNED FOR DEMO
826	2012	Magazine; Gen Purp Storage	2057	Magazine; Gen Purp Storage	NEV	
900	1950	Gen Purp Lab; Surveillance Test; Conditioning Chamber	COMPLETED 2007	Magazine; Rocket Propellant Surveillance Laboratory	DNE	
902	1950	Gen Purp Lab; Surveillance Test; Conditioning Chamber	COMPLETED 2007	Lab and Test Bldg; General Purpose	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
904	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE	
905	1927	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Special Weapons and Small Arms Magazine	DNE	
906	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Fixed Ammunition Magazine	DNE	
907	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE	
908	1918	Gen Purp Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Physics Lab; Admin R&D	DNE	
909	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	
910	1950	Lab and Testing; Gen Purp	COMPLETED 2008	Lab and Test Bldg; General Purpose; Barricades & Explosives	DNE	
911	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE	

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		NRHP ELIGIBLE				
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BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
912	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Fixed Ammunition Magazine	DNE	
913	1941	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE; ELPA	
914	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	High Explosives Magazine	DNE	
915	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE	
916	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Small Arms Pyrotechnic Magazine	DNE	
917	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Fuze and Detonator Magazine	DNE	
918	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE	
919	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE	
920	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Fixed Ammunition Magazine	DNE	
921	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE	
922	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Fuze and Detonator Magazine	DNE	
923	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Fuze and Detonator Magazine	DNE	
924	1941	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Fuze and Detonator Magazine	DNE; ELPA	
925	1941	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE; ELPA	
926	1956	High Explosives Magazine	COMPLETED 2007	High Explosives Magazine	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985- NO LONGER PLANNED FOR DEMO
927	1943	Flammable Materials Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Flammable Materials Storehouse	DNE	
928	1918	Gen Purp Warehouse	EVALUATED 1982-83 HABS; COMPLETED 1999	Fixed Ammunition Magazine	DNE	
929	1918	Gen Purp Warehouse	EVALUATED 1982-83 HABS; COMPLETED 1999	Gen Purp Magazine	DNE	
930	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Fuze and Detonator Magazine	DNE	
931	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE	
932	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Fixed Ammunition Magazine	DNE	

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		NRHP ELIGIBLE				
		DISPOSAL; DEMOLITION PLANNED				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
933	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Fuze and Detonator Magazine	DNE	
934	1948	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Fuze and Detonator Magazine	DNE; ELPA	
936	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Smokedrum Storehouse	DNE	
937	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Fixed Ammunition Magazine	DNE	
938	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE	
939	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE	
940	1918	Gen Purp Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE	
941	1918	Gen Purp Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE	
942A	2012	Igloo Storage	2057	Igloo Storage	NEV	
943	1918	Gen Purp Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Fuze and Detonator Magazine	DNE	
944	1918	Gen Purp Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Fixed Ammunition Magazine	DNE	
945	1918	Gen Purp Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE	
946	1918	Gen Purp Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Fixed Ammunition Magazine	DNE	Proposed for Demo; Replace per MCA Explosive Storage Magazine Project
947	2012	Igloo Storage	2057	Igloo Storage	NEV	
947A	2012	Igloo Storage	2057	Igloo Storage	NEV	
950	1918	Gen Purp Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE	
951	1918	Gen Purp Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Fuze and Detonator Magazine	DNE	
952	1918	Fixed Ammunition Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Fixed Ammunition Magazine	DNE	
953	1918	Gen Purp Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE	
975	2011	Magazine	2056	Magazine	NEV	AT SAME LOCATION AS FORMER 975
1029	1973	Lab and Computer Facility	COMPLETED 2004	Lab and Computer Facility	DNE	
1053	1931	Office and Change House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Facility and Engineering Maintenance Shop	DNE	
1089	1944	Ammunition Facility	COMPLETED 2004	Haleite Screening and Packing Bldg	DNE	ATTACHED TO BLDG 1090 (North end by blast wall); Fully renovated 2004-05

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BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
1090	1948	Haleite Screening and Packing Bldg; CBU 34; A Production Bldg; Assembly and Packing Bldg; 60mm Assembly Line	COMPLETED 2004; 2007	Haleite Screening and Packing Bldg	DNE	Fully renovated 2004-05
1093	1942	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Chlorinator Bldg; Water Supply and Treatment Bldg	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
1094	1942	Screening and Pulverizing Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Hazardous Materials Storehouse	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
1095	1943	Change House; Community Center	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Facility and Engineering Maintenance Shop	DNE	
1102	1960	Golf Course Garage	COMPLETED 2007	Golf Course Garage	DNE	
1103	1942	Maintenance	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Golf Course Maintenance	DNE	
1123B	1983	EMP Change Facility	2028	EMP Change Facility	NEV	
1134	1988	Credit Union	2032	Credit Union	NEV	
1136	1956	ARDEC Reception Center	COMPLETED 2007	Visitor Center	DNE	
1176	1944	Rest House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Halfway House; Dining Facility	DNE	
1179	1942	Field Office	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin General Purpose	DNE	DEMO- HPO-H2010-170
1179C	1948	Storage Bldg	COMPLETED 2007	Storage Bldg	DNE	DEMO- HPO-H2010-170
1179D	1950	Storage Bldg	COMPLETED 2007	Storage Bldg	DNE	DEMO- HPO-H2010-170
1181A	FOUND ON POST 1988	Skeet Range Bldg	~ 2033, IF NOT BEFORE- LIKELY BUILT CIRCA 1960s?	Skeet Range Bldg	NEV	
1182	1956	Gas Cylinder Storage	COMPLETED 2007	Recreation Center; Low House	DNE	DEMO SHPO COMPLETE via DERP AMENDMENT & Signature- 10 March 11
1186	1966	Open Storage Area	COMPLETED 2007	Vacant; Derelict Wildlife Observation Bldg	DNE	
1201	1948	Nuclear (?) Igloo Storage	COMPLETED 2007	Igloo Storage	DNE; ELPA	
1202	1943	Igloo Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE; ELPA	
1203	1942	Igloo Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE; ELPA	
1204	1943	Igloo Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE; ELPA	
1205	1943	Igloo Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE; ELPA	
1206	1943	Igloo Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE; ELPA	
1207	1943	Igloo Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE; ELPA	
1208	1943	Igloo Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE; ELPA	
1209	1943	Igloo Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE; ELPA	

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BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
1210	1943	Igloo Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE; ELPA	
1211	1943	Igloo Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE; ELPA	
1212	1943	Igloo Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE; ELPA	
1213	1943	Igloo Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE; ELPA	
1214	1943	Igloo Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE; ELPA	
1215	2011	Igloo Storage	2056	Igloo Storage	NEV	built on former 1210S
1216	2011	Igloo Storage	2056	Igloo Storage	NEV	built on former 1212S
1217	1944	Surveillance Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE; ELPA	
1221	1952	Changing and Control Bldg	COMPLETED 2007	Vacant; Derelict Ammunition and Explosives Toxics Facility	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION; STILL EXISTS; DEMO SHPO COMPLETE via 3rd AMENDMENT & Signature
1222	1946	Electric Equip Facility	COMPLETED 2007	Electric Equip Facility; Ammunition and Explosives Toxics Facility	DNE	
1301	1945	Mortar Powder Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	High Energy Propellant Formulation Facility	DNE	HPO-L2007-23; 2004- rebuilt in place for new HEPFF
1302	1945	Gen Purp Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE; ELPA	HPO-L2007-23; 2004- rebuilt in place for new HEPFF
1305	1945	Rest House; Dry House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	HPO-L2007-23; 2004- rebuilt in place for new HEPFF
1306	1945	Rest House; Dry House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	HPO-L2007-23; 2004- rebuilt in place for new HEPFF
1307	1945; 2010 Rebuild	Change House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin Gen Purp	DNE	HPO-L2007-23; 2004- rebuilt in place for new HEPFF
1308	1948	Propellant Plant; Poaching Bldg	COMPLETED 2007	Vacant; Derelict	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION; REBUILT IN PLACE IN 2004 FOR NEW HEPFF
1354A	1945	Fan House	COMPLETED 2004	Vacant; Derelict Ordnance Facility	DNE	DEMOED LATE SUMMER 2013; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF; EOD TECH. FACILITY
1357A	1945	Fan House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 2004	Vacant; Derelict Ordnance Facility	DNE	DEMOED LATE SUMMER 2013; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF; EOD TECH. FACILITY
1359A	1945	Fan House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 2004	Vacant; Derelict Ordnance Facility	DNE	DEMOED LATE SUMMER 2013; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF; EOD TECH. FACILITY
1364	1970	Ordnance Bldg	COMPLETED 2010	Ordnance Bldg	NEV	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; ASSESSED BY CRM, DETERMINED DNE PER SHPO CONCURRENCE OF RPMP FRP PA

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		NRHP ELIGIBLE				
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BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
1372	1948	Change House	COMPLETED 2004	Vacant; Derelict Ordnance Facility	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
1403	1948	Press House	COMPLETED 2004	Process Bldg	DNE	
1406	1948	Supersonic Testing and X-Ray Bldg	COMPLETED 2004	Hazardous Storage Area	DNE	HPO-A2004-94; 2004- rebuilt in place for new HEPFF
1407	1948	Change House	COMPLETED 2004	Admin	DNE	2004- rebuilt in place for new HEPFF
1408	1948; 2012 Rebuild	Mixing Bldg	COMPLETED 2004	Ordnance Facility	DNE	HPO-A2004-94; 2004- rebuilt in place for new HEPFF
1408B	1944	Weigh House	EVALUATED 1994; COMPLETED 2004	Ordnance Facility	DNE	HPO-A2004-94; 2004- rebuilt in place for new HEPFF
1408C	2004	Ordnance Facility	2049	Ordnance Facility	NEV	former 1414 location
1411	1948	Press House, No. 2	COMPLETED 2004	Press House	DNE	DEMO NOVEMBER 1996 ACCORDING TO ISA RECORDS-TECUP PROGRAM; REBUILT IN PLACE
1411B	2011	Ordnance Facility	2056	Ordnance Facility	NEV	former 1411B location
1412	1948; 2011 Rebuild	Propulsion Systems Facility	2056	Propulsion Systems Facility	NEV	former 1412 location
1416	1948; 2011 Rebuild	Propulsion Systems Facility	2056	Propulsion Systems Facility	NEV	former 1416 location
1417	1948; 2011 Rebuild	Propulsion Systems Facility	2056	Propulsion Systems Facility	NEV	former 1417 location
1420	unknown	Munitions Bunker with Blast and Exhaust Deflector; Explosive Barrier	COMPLETED 2004	Magazine with Blast and Exhaust Deflector; Explosive Barrier	DNE	
1436	1952	Propellant Plant	COMPLETED 2007	Ammunition & Explosive Testing Bldg	DNE	DEMO- HPO-D2009-211 PROD- NO LONGER PLANNED FOR DEMO
1437	1956	Packing and Shipping Bldg	COMPLETED 2004	Cast Propellant Bldg	DNE	DEMO- HPO-D2009-211 PROD- NO LONGER PLANNED FOR DEMO
1461	1966	Plastisol Mix Bldg	COMPLETED 2004	Plastisol Mix Bldg	DNE	
1462	1971	Process Plant	COMPLETED 2004	Automated Melt Plant	DNE	
1462A	1974	Ordnance Facility	2019	Ordnance Facility	NEV	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
1463	1971	Propellant Incineration	COMPLETED 2004	Propellant Incineration Plant	DNE	
1464	1971	Propellant Incineration	COMPLETED 2004	Propellant Incineration Plant; Automated Melt Plant	DNE	
1501	1948	Electronic Equip; R&D Admin; CML Equipment Material Facility; Service Bldg	COMPLETED 2007	R&D Admin Bldg	NREC	Criterion A & C; Rocket Test Area Historic District
1502	1948	Powder Conditioning Bldg; Service Bldg; Ordnance Facility; AC Plant; Compressor; Altitude Chamber	COMPLETED 2007	Ordnance Facility	NREC	Criterion A & C; Rocket Test Area Historic District
1503	1948	Powder Conditioning Bldg; Ordnance Facility; Conditioning Bldg; Salt Spray Facility	COMPLETED 2007	Powder Conditioning Bldg	NREC	Criterion A & C; Rocket Test Area Historic District
1504	1948	Storage Shed; Repair and Storage Bldg	COMPLETED 2007	Ordnance Facility	NREC	Criterion A & C; Rocket Test Area Historic District
1504A	1948	Test Stand #3; HP Storage Bottle Stand and Manifold; Gen Purp Warehouse; Storage Shed; Ordnance Facility; Conditioning Bldg	COMPLETED 2007	Storage	NREC	Criterion A & C; Rocket Test Area Historic District
1505	1948	Ordnance Facility; Rocket Static Test Bldg	COMPLETED 2007	Test Cell and Control Room	NREC	Criterion A & C; Rocket Test Area Historic District

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		NRHP ELIGIBLE				
		DISPOSAL; DEMOLITION PLANNED				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
1505C	1958	Control House	COMPLETED 2007	Derelict Control House	NREC	Criterion A & C; Rocket Test Area Historic District
1505E	1966	Control Spin Room	COMPLETED 2007	Control Spin Room	NREC	Criterion A & C; Rocket Test Area Historic District
1506	circa 1946	Ordnance Facility; Loading	COMPLETED 2007	Assembling Bldg	NREC	Criterion A & C; Rocket Test Area Historic District; Klingaman-2009- building relocated to site in 1946 from moved from Loki test facility, exact construction date unknown
1507	1946	Gen Purp Magazine	COMPLETED 2007	High Explosives Earth-Barricaded Magazine	NREC; ELPA	Criterion A & C; Rocket Test Area Historic District;
1508	1952	Gen Purp Magazine; Boiler House; High Explosives Magazine	COMPLETED 2007	Derelict Storage (Spill Materials)	NREC	Emergency DEMO- HPO-H2012-049; Criterion A & C; Rocket Test Area Historic District; relocated within District to present location in 1967
1509	1950	Pyrotechnic Pressing Bldg and Lab	COMPLETED 2007	Ordnance Test Facility	NREC	Criterion A & C; Rocket Test Area Historic District
1510A	1947	Storage	COMPLETED 2007	Storage	NREC	Criterion A & C; Rocket Test Area Historic District ; DEMO SHPO COMPLETE pending Narrative Completion; DEMO PER FRP FROM PYRO FACILITY
1511	1952	Gen Purp Storehouse; Inert Storehouse; Neutralizing and Pump Station	COMPLETED 2007	Conditioning Bldg	NREC	Criterion A & C; Rocket Test Area Historic District; DEMO SHPO COMPLETE pending Narrative Completion; DEMO PER FRP FROM PYRO FACILITY
1512	1952	Physics Lab; Hyd Inj Caliber Stand; Basic Chemistry Research Lab; Laser Lab	COMPLETED 2007	Chemistry Lab	NREC	Criterion A & C; Rocket Test Area Historic District; DEMO SHPO COMPLETE pending Narrative Completion; DEMO PER FRP FROM PYRO FACILITY
1512A	1958	Gen Purpose Storehouse	COMPLETED 2007	Flammable Materials Storehouse	NREC	Criterion A & C; Rocket Test Area Historic District; DEMO SHPO COMPLETE pending Narrative Completion; DEMO PER FRP FROM PYRO FACILITY
1513	1968	Gen Purp Magazine; Engineering Lab	COMPLETED 2007	Gen Purp Magazine	NREC; ELPA	Criterion A & C; Rocket Test Area Historic District
1514	1968	Liquid Storage Non- Purp; Flame and Incendiary Reactory Dissemination Facility; Flammable Materials Storehouse	COMPLETED 2007	Pyrotechnic R&D Lab	NREC	Criterion A & C; Rocket Test Area Historic District
1515	1961	Radiation Lab; Electronic Lab; Physics Lab; Propellant Mixing Station; Electrical Equip Facility	COMPLETED 2007	Physics Lab; Admin R&D	NREC	Criterion A & C; Rocket Test Area Historic District; formerly 3 separate buildings
1516	2011	Ordnance Facility	2056	Ordnance Facility	NEV	Built for BRAC and demoed 1510 and 1510B; WITHIN HISTORIC DISTRICT BOUNDARY
1517	1956	High Altitude Test Chamber and Lab; Pump House	COMPLETED 2007	High Altitude Test Chamber and Lab; Pump House	NREC	Criterion A & C; Rocket Test Area Historic District; DEMO SHPO COMPLETE pending Narrative Completion; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; INTERIOR EQUIPMENT REMOVAL REQUIRES RETAINMENT IN STRUCTURE FOR FUTURE HABS DOCUMENTATION-HPO-D2009-211 PROD
1517A	1963	Electric Equip Facility	COMPLETED 2007	Vacant; Derelict	NREC	DEMO SHPO COMPLETE pending Narrative Completion; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; INTERIOR EQUIPMENT REMOVAL REQUIRES RETAINMENT IN STRUCTURE FOR FUTURE HABS DOCUMENTATION-HPO-D2009-211 PROD

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		NRHP ELIGIBLE				
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BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
1518	1956	High Altitude Test Chamber and Lab; Gen Purp Instrumentation Bldg	COMPLETED 2007	Vacant; Derelict	NCE; DNE	WITHIN HISTORIC DISTRICT BOUNDARY; DEMO SHPO COMPLETE pending Narrative Completion; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; INTERIOR EQUIPMENT REMOVAL REQUIRES RETAINMENT IN STRUCTURE FOR FUTURE HABS DOCUMENTATION- HPO-D2009-211 PROD
1518A	1956	High Altitude Test Chamber and Lab; Pump House	COMPLETED 2007	High Altitude Test Chamber and Lab; Pump House	NREC	Criterion A & C; Rocket Test Area Historic District; DEMO SHPO COMPLETE pending Narrative Completion; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; INTERIOR EQUIPMENT REMOVAL REQUIRES RETAINMENT IN STRUCTURE FOR FUTURE HABS DOCUMENTATION- HPO-D2009-211 PROD
1519	1956	Ready Magazine	COMPLETED 2007	High Explosives Magazine	NREC; ELPA	Criterion A & C; Rocket Test Area Historic District; DEMO SHPO COMPLETE pending Narrative Completion; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; INTERIOR EQUIPMENT REMOVAL REQUIRES RETAINMENT IN STRUCTURE FOR FUTURE HABS DOCUMENTATION- HPO-D2009-211 PROD
1520	1956	Ready Magazine	COMPLETED 2007	High Explosives Magazine	NREC; ELPA	Criterion A & C; Rocket Test Area Historic District; DEMO SHPO COMPLETE pending Narrative Completion; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; INTERIOR EQUIPMENT REMOVAL REQUIRES RETAINMENT IN STRUCTURE FOR FUTURE HABS DOCUMENTATION- HPO-D2009-211 PROD
1521	1960	Ordnance Facility	COMPLETED 2007	Component Propellant Bldg	NREC	Criterion A & C; Rocket Test Area Historic District; DEMO SHPO COMPLETE pending Narrative Completion; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; INTERIOR EQUIPMENT REMOVAL REQUIRES RETAINMENT IN STRUCTURE FOR FUTURE HABS DOCUMENTATION- HPO-D2009-211 PROD
1522	1970	Ordnance Facility	COMPLETED 2007	Ordnance Facility	NREC	Criterion A & C; Rocket Test Area Historic District; DEMO SHPO COMPLETE pending Narrative Completion; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; INTERIOR EQUIPMENT REMOVAL REQUIRES RETAINMENT IN STRUCTURE FOR FUTURE HABS DOCUMENTATION- HPO-D2009-211 PROD
1529	1964	Gen Purp Warehouse	COMPLETED 2007	Gen Purp Warehouse	NCE; DNE	WITHIN HISTORIC DISTRICT BOUNDARY; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
1530	1982	Admin Bldg; R&D Labs	COMPLETED 2007	Admin Bldg; R&D Labs	NCE; DNE	WITHIN HISTORIC DISTRICT BOUNDARY
1609	1942	Machine Shop	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	
1609A	1963	Disassembly Bldg	COMPLETED 2007	Storehouse	DNE	DEMO- HPO-D2009-211 PROD; DEMO- HPO-E2009-44

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		NRHP ELIGIBLE				
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BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
1610	1942	Offices; Change House; Admin	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp	DNE	Renovated 2010 with new stucco exterior
3002	1934	Gen Storage Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Engineering Admin Bldg; DPW Admin	DNE	
3005	1941	Construction Equip Shed	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Vehicle Maintenance Shed	DNE	Prior Navy Bldg 49
3006	1953	Navy Supply Warehouse; Termination Storage	COMPLETED 2004	Gen Purp Warehouse; Storage	DNE	Prior Navy Bldg 301
3007	1940	Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Storehouse	DNE	Prior Navy Bldg 39
3008	circa 1912-1916	Gen Purp Admin	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Admin	DNE	Prior Navy Bldg 57
3010	1902	Ordnance Admin Bldg	EVALUATED 1982-83 HABS; COMPLETED 1999	NY COE Resident Engineer's Office	DNE	Prior Navy Bldg 79
3013	1901	Boiler House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Boiler House; Heating Plant	DNE	Prior Navy Bldg 56
3018	1918	Underground Storage Facility	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE	Prior Navy Bldg 106
3022	1922; 1928; 1981; 1997 (3024 extension)	Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin General Purpose; Physics Lab; Chemistry Lab; Gen Purp Storage	DNE	Prior Navy Bldg 337; 1922 former B6 and B31 Magazines, 1928 as Bldgs 3021 and 3022, 1981 with the 2-story center building connecting the labs, and 1997 addition previously labeled as Bldg 3024
3024A	1997	High Explosives Magazine	2042	High Explosives Magazine	NEV	
3028	1900	Storage Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Chemistry Lab; Admin	DNE	Prior Navy Bldg 302
3029	circa 1994	Gen Purp Warehouse	EVALUATED 1994; COMPLETED 1999	Ammunition & Explosive Testing Bldg	DNE	Prior Navy Bldg 304 was built in 1917, current structure probably on prior foundation, but new structure exists since 1994 assessment- see pg. E389
3029A	1997	High Explosives Magazine	2042	High Explosives Magazine	NEV	
3029B	1997	High Explosives Magazine	2042	High Explosives Magazine	NEV	
3030	1918	Underground Storage Facility	EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE	Prior Navy Bldg 109
3032	1918	Underground Storage Facility	EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE	Prior Navy Bldg 110
3033	1918	Underground Storage Facility	EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE	Prior Navy Bldg 102
3035	1918	Underground Storage Facility	EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE	Prior Navy Bldg 103
3036	1918	Underground Storage Facility	EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE	Prior Navy Bldg 104
3039	1918	Underground Storage Facility	EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE	Prior Navy Bldg 105
3042	1918	Underground Storage Facility	EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE	Prior Navy Bldg 116
3049	1918	Marine Corps Barracks Incinerator; Flammable Materials Storehouse; Paint Locker	EVALUATED 1982-83 HABS; COMPLETED 2009	Storage; Derelict	DNE	Prior Navy Bldg 47
3050	1934	Naval Enlisted Men's Barracks	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Detachment Headquarters; Family Housing	DNE	Prior Navy Bldg 30

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3100	1942	Covered Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Hazardous Materials Storehouse	DNE	Prior Navy Bldg 99
3106	1934	Magazine Lab	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Explosives Test	DNE	Prior Navy Bldg 175
3106A	1966	High Explosives Magazine	COMPLETED 2007	High Explosives Magazine	DNE; ELPA	
3109	1943	Ordnance Facility; Ammo Packing Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999; 2007	Environmental Testing Facility	DNE	Prior Navy Bldg 174
3111	1943	Storage Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility ("Air Gun")	DNE	Prior Navy Bldg 173
3114	1934	Flammable Materials Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Flammable Materials Storehouse	DNE	Prior Navy Bldg 172
3119	circa 1785-1803	Farmhouse	EVALUATED 1994; COMPLETED 1999; FINAL NRHP EVALUATION 2000	Quarters (LTC/MJ)	DNE	Doland House; Prior Navy Bldg 12; RCI; Balfour Beatty
3124	1918	Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Admin	DNE	Prior Navy Bldg 213
3128	1918	Flammable Materials Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Flammable Materials Storehouse	DNE	Prior Navy Bldg 215
3136	1944	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Flammable Materials Storehouse	DNE	Prior Navy Bldg 170
3137	1934	Flammable Materials Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Magazine	DNE	Prior Navy Bldg 169
3140	1934	Flammable Materials Storehouse	EVALUATED 1994; COMPLETED 1999	Facility Engineering Storehouse	DNE	Prior Navy Bldg 171
3145	1965	Ordnance Facility	COMPLETED 2007	Drop Tower Ordnance Complex	DNE	
3145A	1968	High Explosives Magazine	COMPLETED 2007	Drop Tower Ordnance Complex	DNE; ELPA	
3150	1942	Heavy Materials Machine Shop; Bowling Center; Gym	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Heavy Materials Machine Shop; Physical Fitness Center & Gym	DNE	Prior Navy Bldg 303
3153	2010	Child and Youth Center Facility	2055	Child and Youth Center Facility	NEV	
3155	1929	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Warehouse	DNE	Prior Navy Bldg 157
3156	2009	Child and Youth Center Facility	2054	Child and Youth Center Facility	NEV	
3157	1896	Pump House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Facility Engineering; Pest Mgmt Storehouse	DNE	Prior Navy Bldg C24 and 61
3159	1930	Lab Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin General Purpose	DNE	Prior Navy Bldg 216
3164	circa 1912-1916	Ordnance Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE	Prior Navy Bldg 101
3166	1918	Gen Purp Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Storage	DNE	Prior Navy Bldg 214
3172	1918	Subsurface Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE	Prior Navy Bldg 107
3173	1902	Carpenter Shop	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Youth Center	DNE	Prior Navy Bldg 53

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3176	1902	Paint Shop	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Admin	DNE	Prior Navy Bldg 59
3177	1914	Storage Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Electronic Equip Facility	DNE	Prior Navy Bldg 83
3180	1918	Igloo Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE	Prior Navy Bldg 108; Currently no longer planned for Demo; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
3203	1930	Gen Purp Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Warehouse	DNE	Prior Navy Bldg 159
3204	2002	Quarters	COMPLETED 2007	Quarters (LC MJ)	DNE	RCI; Balfour Beatty; Units A-E
3205	2002	NCO and Family Housing	COMPLETED 2007	NCO and Family Housing	DNE	RCI; Balfour Beatty
3207	2002	NCO and Family Housing	2047	NCO and Family Housing	NEV	RCI; Balfour Beatty; Units A-D
3208	1929	Transmitter Bldg; Gen Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Electronic Equip Facility	DNE	Prior Navy Bldg 154
3209	2002	NCO and Family Housing	COMPLETED 2007	NCO and Family Housing	DNE	RCI; Balfour Beatty; Units A-E
3210	2002	NCO and Family Housing	2047	NCO and Family Housing	NEV	RCI; Balfour Beatty
3211	1929	Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999; 2007	Warehouse	DNE	Prior Navy Bldg 153
3212	2002	NCO and Family Housing	2047	NCO and Family Housing	NEV	RCI; Balfour Beatty; Units A-C
3213	1942	Flammable Materials Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Flammable Materials Storehouse	DNE	Prior Navy Bldg 339
3215	2011	Ordnance Facility	2056	Ordnance Facility	NEV	built on former communication antenna site for 3208
3221	1911	Blacksmith's Shop	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Post Chapel	DNE	Prior Navy Bldg 71; DEMO HPO-F2004-34- NO LONGER PLANNED FOR DEMO
3223	1911	Gen Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	Prior Navy Bldg 907
3225	1982	NCO Club	2027	Recreational Center	NEV	RCI; Balfour Beatty
3227A	2000	Aquatic Park; Snack Bar	2045	Aquatic Park; Snack Bar	NEV	
3228	circa 1912-1916; 1931	Magazine/ Theater/ Open Dining NCO/ Gen Installation Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Child and Youth Center Facility	DNE	Prior Navy Bldg 81
3232	2002	NCO and Family Housing	COMPLETED 2007	NCO and Family Housing	DNE	RCI; Balfour Beatty; Units A-F
3233	2002	NCO and Family Housing	COMPLETED 2007	NCO and Family Housing	DNE	RCI; Balfour Beatty; Units A-E
3242	1919	Flammable Materials Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Flammable Materials Storehouse	DNE	Prior Navy Bldg 335
3244	circa 1943	Quarters	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (Duplex: Gen & Col)	DNE	Prior Navy Bldg 5; RCI; Balfour Beatty
3247	1984	NCO and Family Housing	2039	NCO and Family Housing	NEV	Renovations 2010-11
3248	1984	NCO and Family Housing	2039	NCO and Family Housing	NEV	Renovations 2010-11
3250	circa 1890; 1902	Navy Hill Colonel's Quarters	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Family Housing (Gen; Col)	NREI	Criterion A & C; Prior Navy Bldg 1; RCI; Balfour Beatty; Interior renovations occurred in 2006-07 (HPO-I2006-047)
3266	2008	NCO and Family Housing	2053	NCO and Family Housing	NEV	RCI; Balfour Beatty; Units A&B
3267	2008	NCO and Family Housing	2053	NCO and Family Housing	NEV	RCI; Balfour Beatty; Units A&B

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3268	2008	NCO and Family Housing	2053	NCO and Family Housing	NEV	RCI; Balfour Beatty; Units A&B
3269	2008	NCO and Family Housing	2053	NCO and Family Housing	NEV	RCI; Balfour Beatty; Units A&B
3270	2008	NCO and Family Housing	2053	NCO and Family Housing	NEV	RCI; Balfour Beatty; Units A&B
3271	2008	NCO and Family Housing	2053	NCO and Family Housing	NEV	RCI; Balfour Beatty; Units A&B
3272	2008	NCO and Family Housing	2053	NCO and Family Housing	NEV	RCI; Balfour Beatty; Units A&B
3273	2008	NCO and Family Housing	2053	NCO and Family Housing	NEV	RCI; Balfour Beatty; Units A&B
3274	2008	NCO and Family Housing	2053	NCO and Family Housing	NEV	RCI; Balfour Beatty; Units A&B
3275	2008	NCO and Family Housing	2053	NCO and Family Housing	NEV	RCI; Balfour Beatty; Units A&B
3276	2008	NCO and Family Housing	2053	NCO and Family Housing	NEV	RCI; Balfour Beatty
3277	2008	NCO and Family Housing	2053	NCO and Family Housing	NEV	RCI; Balfour Beatty
3278	2008	NCO and Family Housing	2053	NCO and Family Housing	NEV	RCI; Balfour Beatty
3279	2008	NCO and Family Housing	2053	NCO and Family Housing	NEV	RCI; Balfour Beatty
3280	2008	NCO and Family Housing	2053	NCO and Family Housing	NEV	RCI; Balfour Beatty
3281	2008	NCO and Family Housing	2053	NCO and Family Housing	NEV	RCI; Balfour Beatty
3300	1918	Underground Storage Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE	Prior Navy Bldg 113
3303	1918	Underground Storage Magazine	EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE	Prior Navy Bldg 114
3305	1939	Gen Instruments Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin Bldg; R&D	DNE	Prior Navy Bldg 314
3306	1939	Storage	EVALUATED 1994; COMPLETED 1999	Marine Detachment	DNE	Prior Navy Bldg 312; Renovated 2011-12
3308	1939	Storage	EVALUATED 1994; COMPLETED 1999	Drill Hall; Storage	DNE	Prior Navy Bldg 313; Renovated 2011-12
3310	1939	Garage; Marine Reserves; Storage	EVALUATED 1994; COMPLETED 1999	Admin; Supply; Pistol Range (Police and Homeland Security)	DNE	Prior Navy Bldg 311; Renovated 2011-12
3311	1939	Garage; Storage	EVALUATED 1994; COMPLETED 1999	Gen Purp Warehouse	DNE	Prior Navy Bldg 321
3315	1931	Gen Storehouse; Auto Skill Center	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Outdoor Recreation Storage	DNE	Prior Navy Bldg 48
3316	1903	Stable; Fire Station	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Outdoor Recreation	NREI	Criterion A & C; Interior renovations occurred circa 1940s (w; addition) and 2009-10; Prior Navy Bldg 973
3320	1939	Salvage and Surplus Property	EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	Prior Navy Bldg 334; DEMO- HPO-L2007-23
3321	1939	Gen Purp Warehouse	EVALUATED 1994; COMPLETED 1999	Self Service Supply Center	DNE	Prior Navy Bldg 333
3323	1999	PX Commissary	2044	PX Commissary	NEV	
3324	1939	Storage	EVALUATED 1994; COMPLETED 1999	Storage	DNE	Prior Navy Bldg 331
3328	1939	Storage	EVALUATED 1994; COMPLETED 1999	Calibration Lab	DNE	Prior Navy Bldg 329
3329	1939	Fabrication Reliability Welding	EVALUATED 1994; COMPLETED 1999	Exchange Warehouse	DNE	Prior Navy Bldg 330
3331	1939	Storage	EVALUATED 1994; COMPLETED 1999	Gen Purp Warehouse	DNE	Prior Navy Bldg 319
3334	1939	Storage	EVALUATED 1994; COMPLETED 1999	Gen Purp Warehouse	DNE	Prior Navy Bldg 315
3337	1939	Storage	EVALUATED 1994; COMPLETED 1999	Gen Purp Warehouse	DNE	Prior Navy Bldg 305
3338	1939	Storage	EVALUATED 1994; COMPLETED 1999	Gen Purp Warehouse	DNE	Prior Navy Bldg 306
3342	1939	Engineering Machine Shop	EVALUATED 1994; COMPLETED 1999	Admin Gen Purp	DNE	Prior Navy Bldg 327
3355	2011	Naval Ordnance Facility	2056	Naval Ordnance Facility	NEV	
3356	2011	Naval Ordnance Facility	2056	Naval Ordnance Facility	NEV	
3359	2012	Armament University- Classrooms and Training Facility	2047	Armament University- Classrooms and Training Facility	NEV	

		NEEDS TO BE HISTORICALLY ASSESSED FOR NRHP				
		NEW STRUCTURE PER IFS PRE-AUDIT (2009)- guesstimate age of construction by Real Property- AGE DETERMINATION NEEDED PRIOR TO NHPA REQUIREMENTS BEING FULFILLED				
		NRHP ELIGIBLE				
		DISPOSAL; DEMOLITION PLANNED				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
3360	2011	Naval Ordnance Facility	2056	Naval Ordnance Facility	NEV	
3409	circa 1943	Barracks; Applied Instrumentation Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Armament University- Classrooms and Training Facility	DNE	Prior Navy Bldg 720; DEMO- HPO-I2004-32
3410	1944	Subsistence (Mess Hall); Admin General Purpose	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin General Purpose; Armament University- Classrooms and Training Facility	DNE	Prior Navy Bldg 725
3500	2008	Gen Purp Admin/ Photography Lab	2053	Gen Purp Admin/ Photography Lab	DNE	
3501	2008	Homeland Security Admin	2053	Homeland Security Admin	DNE	
3504	1945	Maintenance Bldg; Rocket Fuel Storage; Oxidizer and Mono Propellant	COMPLETED 2004; 2007	Vacant; Derelict	DNE	Prior Navy Bldg 738; NARTS, Area A
3510	2006	Homeland Security Admin & Limited Use Instruction Bldg	2051	Homeland Security Admin & Limited Use Instruction Bldg	DNE	
3515	1954	Navy; RMI; RMD Water Flow Facility; Test Stand 9-A	COMPLETED 2004	Vacant; Derelict Storage	DNE	Prior Navy Bldg 773; NARTS, Area A; DEMO- HPO-L2007-23- NO LONGER PLANNED FOR DEMO
3518	1954	Navy; RMI; RMD Admin Offices; Instrument Lab; Gen Purp Magazine	COMPLETED 2004	Gen Purp Magazine; Admin	DNE	Prior Navy Bldg 772; NARTS, Area A
3521	1948	Gen Purp Magazine	COMPLETED 2004; EVALUATION PRIOR TO DEMO WITH SHPO	Propellants Storage	DNE	NO LONGER LISTED FOR DEMO; DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT- still exists; DEMO SHPO COMPLETE via 3rd AMENDMENT & Signature
3537	1949	Navy Pump House; RMI; RMD Passivation Bldg; Storage	COMPLETED 2004	Gas Chamber; Training Bldg	DNE	Prior Navy Bldg 759; NARTS, Area C; IFS INPUT DURING 2009 PRE-AUDIT REVIEW
3603	1950	NARTS Stand D-1; Test Cell Booster	COMPLETED 2004	Ordnance Facility	NREC	Criterion A & C; NARTS Test Area D Historic District; Prior Navy Bldg 765; DEMO SHPO COMPLETE pending Narrative Completion
3605	1956	NARTS Control House for D-4 and D-6; Electronic Equip Facility	COMPLETED 2004	Ordnance Facility	NREC	Criterion A & C; NARTS Test Area D Historic District; Prior Navy Bldg 790; DEMO SHPO COMPLETE pending Narrative Completion
3606	1964	NARTS Small Scale Test Stand; Propellant Systems Facility	COMPLETED 2004	Gen Storehouse	NREC	Criterion A & C; NARTS Test Area D Historic District; structure originally built in 1956 and completely rebuilt by 1964 after an accident; DEMO SHPO COMPLETE pending Narrative Completion
3607	1950	NARTS Test Cell 2-D and 3-D Central Control Room; Electronic Equip Facility	COMPLETED 2004	Central Control Room	NREC	Criterion A & C; NARTS Test Area D Historic District; Prior Navy Bldg 766; Interior renovations planned for 2010
3609	circa 1952	NARTS Oxidizer Bunker; Propellant Handling Facility; Passivation Facility; Water Flow Facility; Ordnance Facility w/ Neutralizing Pit	COMPLETED 2004	Gen Storehouse	NREC	Criterion A & C; NARTS Test Area D Historic District; Prior Navy Bldg 795; Interior renovations planned for 2011-12; DEMO SHPO COMPLETE pending Narrative Completion
3611	1957	NARTS Instrument Shop; Electronic Equip Facility	COMPLETED 2004	Electronic Equip Facility	NREC	Criterion A & C; NARTS Test Area D Historic District; Prior Navy Bldg 799; DEMO SHPO COMPLETE pending Narrative Completion
3612	1953	NARTS Components Testing	COMPLETED 2004	Ordnance Facility	NREC	Criterion A & C; NARTS Test Area D Historic District; Prior Navy Bldg 796; DEMO SHPO COMPLETE pending Narrative Completion

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		NRHP ELIGIBLE				
		DISPOSAL; DEMOLITION PLANNED				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
3613	circa 1971	NARTS Area D Lunch Room; Storage; Electronic Equip Facility	COMPLETED 2004	Equip Facility	NREC	Criterion A & C; NARTS Test Area D Historic District; Prior Navy Bldg 838- ; located elsewhere beforehand and accessioned by the Army in 1960; DEMO SHPO COMPLETE pending Narrative Completion
3615	unknown, circa 1962	NARTS Utility House; Public Toilet; Storage; Electronic Equip Facility	COMPLETED 2004	Utility Room	NREC	Criterion A & C; NARTS Test Area D Historic District; Prior Navy Bldg 191; DEMO SHPO COMPLETE pending Narrative Completion
3616	circa 1950; walls framed in 1959	NARTS Environmental Test Bldg	COMPLETED 2004	Environmental Test Bldg	NREC	Criterion A & C; NARTS Test Area D Historic District; DEMO SHPO COMPLETE pending Narrative Completion
3617	1953	Control House Facility	EVALUATED 1994; COMPLETED 1999	Propellant Systems Facility	NREC	Criterion A & C; NARTS Test Area E Historic District; Prior Navy Bldg 801; DEMO SHPO COMPLETE pending Narrative Completion
3618	1953	Test Cell 1-E (Test Stand)	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Propellant Systems Facility	NREC	Criterion A & C; NARTS Test Area E Historic District; Prior Navy Bldg 800; DEMO SHPO COMPLETE pending Narrative Completion
3625	1961	Propellant Systems Facility	COMPLETED 1999	Maintenance Facility	NCE; DNE	WITHIN HISTORIC DISTRICT BOUNDARY; HABS DOCUMENTATION PERFORMED 2008; HPO-H2010-089; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
3626	1960	Ordnance Facility	COMPLETED 1999	Ordnance Facility	NCE; DNE	WITHIN HISTORIC DISTRICT BOUNDARY; HABS DOCUMENTATION PERFORMED 2008; HPO-H2010-089; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
3700	1965	Office; Storage	COMPLETED 2007	Office; Storage	DNE	
3701	1978	Trailer Storage	2033	Trailer Storage	NEV	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
3703	1978	Trailer Storage	2033	Trailer Storage	NEV	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
3705	1978	Trailer Storage	2033	Trailer Storage	NEV	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
3706	1978	Trailer Storage	2033	Trailer Storage	NEV	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
3707	1978	Trailer Storage	2033	Trailer Storage	NEV	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
3708	1978	Trailer Storage	2033	Trailer Storage	NEV	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
3709	1978	Trailer Storage	2033	Trailer Storage	NEV	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
3715	1993	Recreational Billets	2038	Recreational Billets	NEV	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
3720	2011	Recreation; Log Cabin	2056	Recreation; Log Cabin	NEV	MWR Temp Housing

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		NRHP ELIGIBLE				
		DISPOSAL; DEMOLITION PLANNED				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
3721	2011	Recreation; Log Cabin	2056	Recreation; Log Cabin	NEV	MWR Temp Housing
3722	2011	Recreation; Log Cabin	2056	Recreation; Log Cabin	NEV	MWR Temp Housing
3800	1975	Recreation Center	2020	Recreation Center	NEV	
3801	1977	Heliport Facility	2022 (1999- R.C. Goodwin preliminarily investigated the facility- not of age for survey- NJANG has SHPO response)	Army National Guard Maintenance Facility and Flight Control Tower	NEV	

REAL PROPERTY ASSOCIATED ASSETS AND STRUCTURES

RP #	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
		NEEDS TO BE HISTORICALLY ASSESSED FOR NRHP				
		CULTURAL LANDSCAPE ANALYSIS				
		NEW STRUCTURE PER IFS PRE-AUDIT (2009)- guesstimate age of construction by Real Property- AGE DETERMINATION NEEDED PRIOR TO NHPA REQUIREMENTS BEING FULFILLED				
		NRHP ELIGIBLE				
		DISPOSAL; DEMOLITION PLANNED				
1A	1982	Flagpole	2037	Flagpole	NEV	
2A	2000	Sewage Lift Station	2045	Sewage Lift Station	NEV	
12A	2010	Fiber Optic Communication Shelter	2055	Fiber Optic Communication Shelter	NEV	
12B	2001	Concrete Pad associated with Electric Powered, Gas-Fired Boiler System	2046	Concrete Pad associated with Electric Powered, Gas-Fired Boiler System	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
V0014	1942	Bridge, Vehicle	1987- ASAP	Bridge, Vehicle	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property; 11th St (??)
31A	1942	Metal Component Storage; Gen Purp Maintenance Shop	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	HVAC Bldg	DNE	
R0024	1928	Bridge, Railroad	COMPLETED 2008	Bridge, Railroad	DNE	Prior B-2
V0028	1942/2011 (rehabilitated)	Bridge, Vehicle	1987- ASAP	Bridge, Vehicle	NEV	IFS INPUT DURING 2010 PRE-AUDIT REVIEW; 25th Ave over Lake Denmark Dam, concrete culverts with stone masonry
34A	1995	Recreational Shelter and Gazebo	2040	Recreational Shelter and Gazebo	NEV	
39B	1991	Heat Fuel Above-Ground	2036	Heat Fuel Above-Ground	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
39H	1991	Open Storage for Flammable Materials	2036	Open Storage for Flammable Materials	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
39P	1991	Water Supply Bldg	2036	Water Supply Bldg	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
41A	1966	Waiting Shelter	COMPLETED 2008	Miscellaneous Shed	DNE	
42	1985	Recreational Shelter	2030	Recreational Shelter	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
44	2002	Tower; Detection Equip Bldg	2047	Precision Munitions Facility Tower; Detection Equip Bldg	NEV	ALSO LABELED IN IFS AS R0044 (1980)
44B	2002	Pump Station; Water Supply Bldg	2047	Pump Station; Water Supply Bldg	NEV	
44C	2002	Water Tank	2047	Water Tank	NEV	
44D; 44E; 44F	2002	Detection Equip Bldg	2047	Detection Equip Bldg	NEV	ALSO LABELED IN IFS AS R044D, R044E, R044F, and R044G (1980)
44G	2003	Detection Equip Bldg	2048	Detection Equip Bldg	NEV	
V0060	1932/1995 (rebuilt)	Bridge, Vehicle	EVALUATED 1982-83 HABS	Bridge, Vehicle	DNE	IFS INPUT DURING 2010 PRE-AUDIT REVIEW; Prior B-1 & V0023; Fourth St by 22C, 23, and 25
63S	1956	Open Storage Area	COMPLETED 2008	Open Storage Area	DNE	Extension structure from Bldg 63
73A	1955	Vehicle Scales	COMPLETED 2007	Vehicle Scales	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- surveyed as part of 73
74	1987	Sentry Station	EVALUATED 2009 PRIOR TO DEMOLITION WITH SHPO	Sentry Station	DNE	RELOCATED TO CANOPY AT PHIPPS AND SHINKLE RDS; DEMO HPO-H2009-120- NO LONGER PLANNED FOR DEMO
77	circa 2006	Access Control Facility	~ 2051	Access Control Facility	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- not present on 2002 aerial, but exists by 2006
77A	circa 2006	Access Canopy; Overhead Protection	~ 2051	Access Canopy; Overhead Protection	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- not present on 2002 aerial, but exists by 2006
77B	circa 2006	Access Control Facility	~ 2051	Access Control Facility	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- not present on 2002 aerial, but exists by 2006
78	2003	Pyrotechnic R&D Range	2048	Pyrotechnic R&D Range	NEV	Pyrotechnic Range active in 1945 with Bldg 78A (Gun Turret); ALSO LABELED IN IFS AS R0078 (2003)
78A	1945	Turret	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	
79M	2007	Monument; Memorial- Tree Memorials- 1st St & Ave	2052; to be preliminarily assessed during CULTURAL LANDSCAPE ANALYSIS	Monument; Memorial- Tree Memorials- 1st St & Ave	NEV	

REAL PROPERTY ASSOCIATED ASSETS AND STRUCTURES

		NEEDS TO BE HISTORICALLY ASSESSED FOR NRHP					
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		NEW STRUCTURE PER IFS PRE-AUDIT (2009)- guesstimate age of construction by Real Property- AGE DETERMINATION NEEDED PRIOR TO NHPA REQUIREMENTS BEING FULFILLED					
		NRHP ELIGIBLE					
		DISPOSAL; DEMOLITION PLANNED					
RP #	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS	
80A	1942	Ejector Station	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Sewage Pump	DNE		
80G	1999	Standby Generator	2044	Standby Generator	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property	
86; 86A	2012	Water Tank (100,000 GAL)	2057	Water Tank (100,000 GAL)	NEV		
V0091	1994	Bridge, Vehicle	2039	Bridge, Vehicle	NEV	Prior B-31	
92A	1964	Sewage Pump Station	COMPLETED 2007	Sewage Pump Station	DNE		
95A	2010	Fiber Optic Communication Shelter	2055	Fiber Optic Communication Shelter	NEV		
98	1965	FMWR Recreational Vehicle Parking Lot	CULTURAL LANDSCAPE ANALYSIS	FMWR Recreational Vehicle Parking Lot	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- established as FMWR lot in 2010, prior to that fenced lot for vehicles in the 90s, and prior to that large parking lot area going towards the gas station in the 60s-80s	
99A	1986	Open Storage Area	2031	Open Storage Area	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property	
110A	2000	Bus Station	2045	Bus Station	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property	
112A	1925	Tennis Court	COMPLETED 2009	Court Area (Tennis)	NREC		
V0112	1917/1936/1995 (rebuilt)	Bridge, Vehicle	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Bridge, Vehicle	DNE	Prior B-4; along Parker Rd near Larned Terrace	
114A	1937	Garage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Garage	NREC	Criterion A & C; Administration and Research Historic District; RCI; Balfour Beatty	
114M	1984	Monument; Memorial- Retired Personnel	2027	Monument; Memorial- Retired Personnel	NEV	Across the street from 114, former location/concrete pad for 151M-Middle Forge monument	
115A	1943	Garage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Garage	NREC	Criterion A & C; Administration and Research Historic District; RCI; Balfour Beatty	
116	1983	Court Area	2028	Court Area	NEV		
117A	2010	Playground	2055	Playground	NEV		
121F	1972	Sewage Lift Station	2017	Sewage Lift Station	NEV		
122	1996	Flagpole	2041	Flagpole	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property	
122A	1996	Facility Info Sign	2041	Facility Info Sign	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property	
123	1939	Garage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Garage	NCE; DNE	RCI; Balfour Beatty; 2009- became NCE due to 112; 113 Pergola assessment; WITHIN HISTORIC DISTRICT BOUNDARY	
124	1936	Garage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Garage	DNE	RCI; Balfour Beatty	
128	1939	Garage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Garage	DNE	RCI; Balfour Beatty	
131	circa 2002	Potable Water Well Structure	- 2047	Potable Water Well Structure	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property is 1940- not present on 1987 aerial, but exists by 2002, probably replaced former Bldg 129	
151A	1985	HVAC Bldg	2030	HVAC Bldg	NEV		
151M	1984	Monument; Memorial- Middle Forge Artifacts	EVALUATED 1982-83 HABS; COMPLETED 2008	Monument; Memorial- Middle Forge Artifacts	NREC	Administration and Research Historic District; Forge artifacts date to Revolutionary War; monument installed in present location in 1984; former location at 114M	
152M	2007	Monument; Memorial- Pack Howitzer	2052	Monument; Memorial- Pack Howitzer	NEV	HPO-F2007-146	

REAL PROPERTY ASSOCIATED ASSETS AND STRUCTURES

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		NEEDS TO BE HISTORICALLY ASSESSED FOR NRHP				
		CULTURAL LANDSCAPE ANALYSIS				
		NEW STRUCTURE PER IFS PRE-AUDIT (2009)- guesstimate age of construction by Real Property- AGE DETERMINATION NEEDED PRIOR TO NHPA REQUIREMENTS BEING FULFILLED				
		NRHP ELIGIBLE				
		DISPOSAL; DEMOLITION PLANNED				
153M; 154M	circa 1841-1868; 1910- moved from Rock Island Arsenal; 1911- placed onsite near intersection; 1970- relocated to current location	Monument; Memorial- Civil War era cannon	1911-1970- ASAP	Monument; Memorial- Civil War era cannon	NEV	
P0151; P0162	1930	Bridge, Pedestrian	EVALUATED 1982-83 HABS	Bridge, Pedestrian	DNE	Prior B-6 (B-16) and B-100 (B-17);in between 151 and 162 along sidewalk
V0151	circa 1930s/circa 1995 (rebuilt)/2010 (rehabilitated)	Bridge, Vehicle	EVALUATED 1982-83 HABS	Bridge, Vehicle	DNE	B-5; Farley Ave. between 151 and 162
165	1980	Sewage Lift Station	2025	Sewage Lift Station	NEV	
171A	1982	Flagpole	2027	Flagpole	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- previously located in front of Bldg 151 since about 1911
171B	1948	Incinerator	COMPLETED 2009	Vacant; Derelict	NCE; DNE	IFS INPUT DURING 2009 PRE-AUDIT REVIEW; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; WITHIN HISTORIC DISTRICT BOUNDARY
173A	1950	Waiting Shelter	COMPLETED 2009	Miscellaneous Shed	DNE	
173B	1997	Personnel Shelter	COMPLETED 2009	Personnel Shelter	DNE	
175A	1996	Playground	2041	Playground	NEV	
175B	1996	Playground	2041	Playground	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
179	1978	Water Monitoring Station	COMPLETED 2007	Water Monitoring Station	DNE	
200	1994	Gasoline Station	2039	Gasoline Station	NEV	2010 Renovation
225A	1945	Pollutant Catch Basin	CULTURAL LANDSCAPE ANALYSIS	Pollutant Catch Basin	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- truck pollutant catch basin along rd and entry way to building, part of 200 Area landscape
235A	circa 2007	HVAC Bldg	~ 2052	HVAC Bldg	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- not present on 2002 aerial, but exists by 2007
240A	1957	Sentry Station	COMPLETED 2007	Sentry Station	DNE	
241D	circa 1995	Loading; Unloading Dock and Ramp	~ 2040	Loading; Unloading Dock and Ramp	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- not present on 1987 aerial, but exists by 1995
248	1991	Open Storage and Flare Range Test Area	2036	Open Storage and Flare Range Test Area	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
250	1980	Open Vehicle Storage	2025; to be preliminarily assessed during CULTURAL LANDSCAPE ANALYSIS	Open Vehicle Storage	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- open storage area on former 276 footprint by 600 Hill
289	circa 1987	Compost Yard and Open Storage Area	~ 2032	Compost Yard and Open Storage Area	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW- not present on 1979 aerial, but exists by 1987 after 1622 Area was demoed
291	1942	Guard Tower	EVALUATED 1982-83 HABS; COMPLETED 1999	Radio Tower	DNE	DEMO- HPO-E94-61; LISTED ON NATIONAL HISTORIC LOOKOUT REGISTER- 1982-83 HABS, NOT SIGNIFICANT; 1994, NRHP ELIGIBLE FOR CRITERION A; 1999, DNE ACCORDING TO LOSS OF INTEGRITY
292	2011	Sentry Station; Guard Booth; Canopy	2056	Sentry Station; Guard Booth; Canopy	NEV	
292A	2011	Access Control Facility	2056	Access Control Facility	NEV	
292B	2011	Plant Utilities Bldg	2056	Plant Utilities Bldg	NEV	
300	1994	Sentry Station; Guard Booth	2039	Sentry Station; Guard Booth	NEV	

REAL PROPERTY ASSOCIATED ASSETS AND STRUCTURES

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		CULTURAL LANDSCAPE ANALYSIS				
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		NRHP ELIGIBLE				
		DISPOSAL; DEMOLITION PLANNED				
302B	1943	Sewage Pump	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Sewage Pump	DNE	DISPOSAL PLANNED- NO LONGER PLANNED FOR DEMO
302D	1921	Water Pump Station	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Water Pump Station	DNE	
302H	1980	Tennis Court	2025	Tennis Court	NEV	
306	1980	Storage Silo	2025	Storage Silo	NEV	
308B	1922	Sewage Pump	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Sewage Pump	DNE	
309	1984	Storage Silo	2029	Storage Silo	NEV	
314S	1956	Open Storage Area	2001- ASAP	Open Storage Area	NEV	No Real Property folder as of DEC 2011
315A	unknown	Storage Shed	- 2030	Storage Shed	NEV	Not official Real Property Number
326D	1989	Loading; Unloading Dock and Ramp	2034	Loading; Unloading Dock and Ramp	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
330	original dam-circa 1904; present dam- 1936-1946	Picatinny Lake Dam	COMPLETED 2008	Picatinny Lake Dam	DNE	1968- spillway rehabilitation; 2011- Roller Compacted Concrete and Side Headwalls installed
V0329	1937/1994 (rebuilt)	Bridge, Railroad	EVALUATED 1982-83 HABS	Bridge, Vehicle	DNE	Prior B-15; near 333 along Buffington at entry into Robinson Enclosure
P0332	1968	Bridge, Pedestrian	2013	Bridge, Pedestrian	NEV	behind 332; 2011 storm damage, derelict
R0332	circa 1887-1907; 1937	Bridge, Railroad	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Bridge, Railroad	DNE	Prior B-14
333M	1976	Monument; Memorial- Middle Forge Monument (Rock)	2021	Monument; Memorial- Middle Forge Monument (Rock)	NEV	
333N	circa 1987	Environmental Pollution Monitoring Facility	- 2032	Environmental Pollution Monitoring Facility	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- not present on 1979 aerial, but exists by 1987
337M	2007	Monument; Memorial	2052	Monument; Memorial	NEV	built for 337 renovation as Bucky's Restaurant
342	1942	Ejector Station	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Sewage Pump	DNE	
342M	2006	Monument; Memorial	2051	Monument; Memorial	NEV	behind 342 and near the woods
403B	1965	Loading; Unloading Dock and Ramp	COMPLETED 2007	Loading; Unloading Dock and Ramp	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- surveyed as part of 403A
410	1943	Water Pump Station	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Water Pump Station	DNE	
424P	circa 1979	Bridge, Pedestrian	- 2024	Bridge, Pedestrian	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property;in front of 424 going over steamline- not present on 1970 aerial, but exists by 1979
455A	2010	Gen Purp Storage	2055	Gen Purp Storage	NEV	
457	1942	Storage Shed	1987- ASAP	Derelict Storage Shed	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
458A	2012	Flagpole	2057	Flagpole	NEV	
476	1978	Environmental Pollution Monitoring Test Facility; Water Monitoring Station	EVALUATED 1982-83 HABS; COMPLETED 2007	Environmental Pollution Monitoring Facility	DNE	
477A	1986	Boat Pier	2031	Boat Pier	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
V0477	1918/1937/2009 (rehabilitated)	Bridge, Vehicle	EVALUATED 1982-83 HABS	Bridge, Vehicle	DNE	Prior B-8; in front of 477 along Reilly Rd
500A	2003	Open Storage Area	2048	Open Storage Area	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
500G	1972	Recreational Shelter	2017	Recreational Shelter	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
505	circa 2002 or 2004	Boiler Plant	2047; 2008- preliminarily assessed	Boiler Plant	NEV	

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		NEW STRUCTURE PER IFS PRE-AUDIT (2009)- guesstimate age of construction by Real Property- AGE DETERMINATION NEEDED PRIOR TO NHPA REQUIREMENTS BEING FULFILLED					
		NRHP ELIGIBLE					
		DISPOSAL; DEMOLITION PLANNED					
RP #	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS	
506A	1939	Water Pump Station	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Water Pump NP W; S	DNE	DEMO- HPO-D2008-148- NO LONGER PLANNED FOR DEMOLITION	
506B	1958	Electric Power CF2-1000 GPM Pump House	COMPLETED 2007	Pump House	DNE		
506C	1999	Standby Generator	2044	Standby Generator	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property	
515	2001	Storage Shed	2046	Storage Shed	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property	
526A	2013	Chemical Storage	2058	Chemical Storage	NEV		
526M	2010	Monument; Memorial for Solier and Bldg Dedication	2055	Monument; Memorial for Solier and Bldg Dedication	NEV		
600	2011	Pump House	2056	Pump House	NEV		
604D	1928	Drop Tower	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Drop Tower; Ordnance Facility	NREC	Criterion A & C; 600 Testing Area Historic District; 47' above grade to top of 3rd floor platform; addition of tower was also known as 604G; ALSO LABELED IN IFS AS R604F	
611D	circa 1940	Slug Butt	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Vacant; Derelict	NCE; DNE	WITHIN HISTORIC DISTRICT BOUNDARY; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10	
613A	2008	Flagpole	2053	Flagpole	NEV		
614A	1942	Storage Shed	EVALUATED PRIOR TO DEMOLITION WITH SHPO	Storage Shed	DNE	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property	
R0614	1980	R&D Range	2025; to be preliminarily assessed during CULTURAL LANDSCAPE ANALYSIS	R&D Range	NEV	IFS INPUT DURING 2010 RANGE CORRECTIONS	
615	1958	Ordnance Facility; Fire Control Barricade Turret	COMPLETED 2007	Fire Control Barricade Turret	DNE		
618	2011	Pump House	2056	Pump House	NEV		
620C	1943	Test Range	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	NREC	ATTACHED TO BLDG 620 (Northeast corner); DEMO SHPO COMPLETE pending Narrative Completion	
623F	1957	Valve House	COMPLETED 2007	Valve House	NCE; DNE	WITHIN HISTORIC DISTRICT BOUNDARY; DISPOSAL PLANNED PER 600 AREA UTILITY LINES (2010); REPLACE IN-KIND WITH TEMPORARY PROTECTIVE SHELTER; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10	
623G	2008	Pump; Valve House	2053	Pump; Valve House	NEV		
626	2012	Water Tank (170,000 GAL)	2057	Water Tank (170,000 GAL)	NEV	WITHIN HISTORIC DISTRICT BOUNDARY; Replaced tanks 623-623E	
628	2012	Water Tank (170,000 GAL)	2057	Water Tank (170,000 GAL)	NEV		
630A	1982	Picatinny Peak Observation Bldg	2027	Picatinny Peak Observation Bldg	NEV		
630B	2011	Pump House	2056	Pump House	NEV		
634S	1930	Ordnance Facility; Slug Butt	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999 AND 2007	Derelict Slug Butt	DNE	DEMO- HPO-D2009-211 PROD	
R0636	1980/2013 (rebuilt entire range)	Gun Shed; R&D Range	2025; to be preliminarily assessed during CULTURAL LANDSCAPE ANALYSIS	Gun Shed; R&D Range	NEV	IFS INPUT DURING 2010 RANGE CORRECTIONS;guesstimate age of construction by Real Property; 2012 Range Rebuild per Ballistics Evaluation Center	
639	1953	Water Tank (100,000 GAL)	COMPLETED 2004	Water Tank (100,000 GAL)	DNE	DEMO AND REPLACE WITH 100,000 GAL TANK PLANNED 2008-HPO-F2008-204	
639B	2011	Pump House	2056	Pump House	NEV		
640A	2007	Ordnance Facility; Soft Recovery System Facility Scat Gun	2052	Ordnance Facility; Soft Recovery System Facility Scat Gun	NEV		
640B	1963	Concrete Firing Pad	COMPLETED 2004	Ordnance Facility	DNE		
641C	1963	Bunker	COMPLETED 2004	Bunker	DNE		
641D	1963	Bunker	COMPLETED 2004	Bunker	DNE		
641E	1963	Barricade	COMPLETED 2004	Barricade	DNE		

REAL PROPERTY ASSOCIATED ASSETS AND STRUCTURES

RP #	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
		NEEDS TO BE HISTORICALLY ASSESSED FOR NRHP				
		CULTURAL LANDSCAPE ANALYSIS				
		NEW STRUCTURE PER IFS PRE-AUDIT (2009)- guesstimate age of construction by Real Property- AGE DETERMINATION NEEDED PRIOR TO NHPA REQUIREMENTS BEING FULFILLED				
		NRHP ELIGIBLE				
		DISPOSAL; DEMOLITION PLANNED				
641F	1963	Barricade	COMPLETED 2004	Barricade	DNE	
641H	1958	Ordnance Tower	COMPLETED 2004	Ordnance Tower	DNE	
642	2011	Slug Butt	2056	Slug Butt	NEV	BRAC reconstruction of Range 647
R0642	1980	R&D Range	2025; to be preliminarily assessed during CULTURAL LANDSCAPE ANALYSIS	R&D Range	NEV	IFS INPUT DURING 2010 RANGE CORRECTIONS;guesstimate age of construction by Real Property
R0644	1980	R&D Range	2025; to be preliminarily assessed during CULTURAL LANDSCAPE ANALYSIS	R&D Range	NEV	IFS INPUT DURING 2010 RANGE CORRECTIONS;guesstimate age of construction by Real Property
646	1958	Pump House	COMPLETED 2004; 2007	Pump House	DNE	DEMO- HPO-L2007-23
R0647	1957/2011	R&D Range	2056	R&D Range	NEV	IFS INPUT DURING 2010 RANGE CORRECTIONS;guesstimate age of construction by Real Property; 2010-11 Range Rebuild per BRAC
649	1953	Ordnance Facility; Barricade	COMPLETED 2007	Ordnance Facility	DNE	CONFIRMED TO EXIST PER DPW RP AUDIT & SITE VISIT
R0649	1980	R&D Range	2025; to be preliminarily assessed during CULTURAL LANDSCAPE ANALYSIS	R&D Range	NEV	IFS INPUT DURING 2010 RANGE CORRECTIONS;guesstimate age of construction by Real Property
650B	circa 2008-2012		2053		NEV	does not appear on aerial until 2012, not present in 2007
650C	circa 1963-1970	Steel Cage	2008- ASAP	Steel Cage	NEV	
651	1957	Ordnance Facility; Barricade	COMPLETED 2007	Barricade	DNE	
654B	circa 1963-1970		2008- ASAP		NEV	does not appear on aerial until 2012, not present in 2007
655	1931	Ordnance Facility	COMPLETED 2007	Ordnance Facility; Steel Cage	DNE	
660A	2001	Water Storage Bldg	2046	Water Storage Bldg	NEV	
660B	2000	Water Tank	2045	Water Tank	NEV	
675	circa 1960s	Gun Turret; Ordnance Facility	2005- ASAP	Gun Turret; Ordnance Facility		
723	1956	Plant Utilities Bldg	EVALUATED PRIOR TO DEMOLITION WITH SHPO	Plant Utilities Bldg	DNE	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
805	1985	Water Treatment Bldg	2030	Water Treatment Bldg	NEV	
808	circa 2007	Storage Shed	~ 2052	Storage Shed	DNE	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- not present on 2002 aerial, but exists by 2007
908A	1975	Sewage Lift Station	2020	Sewage Lift Station	NEV	
924A	circa 1960s	Chemical Storage	2005- ASAP	Chemical Storage	NEV	
924S	1956	Open Storage Area	COMPLETED 2009	Open Storage Area	DNE	
V0929	1937/2009 (rehabilitated)	Bridge, Vehicle	1982- ASAP	Bridge, Vehicle	NEV	Prior B-11; by 929
V0951	circa 1937/1995 (rebuilt)	Bridge, Railroad	1982- ASAP	Bridge, Vehicle	NEV	Prior B-12; by 951 and 939
960	circa 1975	Water Monitoring Station	~ 2020	Water Monitoring Station	NEV	
966	1978	Environmental Test Facility	2023	Environmental Test Facility	NEV	
1091	1948	Elevated Water Tank	COMPLETED 2004	Elevated Water Tank	DNE	
1100A	1996	Recreational Shelter	2041	Recreational Shelter	NEV	
1100M	1885	Monument; Memorial- Cannon Gates	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Monument; Memorial- Cannon Gates	Individual National Register Eligible (NREI)	IRON RESTORATION OCCURRED 2008 (HPO-B2009-045)
R1100	1929	Bridge, Railroad	COMPLETED 2008	Bridge, Railroad	DNE	
1101A	1966	Golfers Shelter	COMPLETED 2008	Miscellaneous Shed	DNE	
1110	1979	Sewage Lift Station	2024	Sewage Lift Station	NEV	
1122; 1122A; 1122B	1985	Pheasant Pen Structures and Covered Storage Area	2030	Pheasant Pen Structures and Covered Storage Area	NEV	
1123A	circa 1960	Softball Field	COMPLETED 2009	Softball Field	DNE	
1123C	1962	Court Area	2007- ASAP	Court Area	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
1124A	1982	Playground	2027	Playground	NEV	
1125A	1956-57	Softball Field	COMPLETED 2009	Softball Field	DNE	
1134	1988	Credit Union ATM Machine	2043	Credit Union ATM Machine	NEV	
1135	1988	Sewage Lift Station	2043	Sewage Lift Station	NEV	

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		NRHP ELIGIBLE				
		DISPOSAL; DEMOLITION PLANNED				
1136A	1943-80	Facility Info Sign	COMPLETED 2009	Facility Info Sign	DNE	SIGN REPLACED 1980 WITH EXISTING DESIGN
1136M	1978	Monument; Memorial- Saratoga gun	EVALUATED 1982-83 HABS; 2022	Monument; Memorial- Saratoga gun	NEV	
1137	1984	Sentry Station	EVALUATED 2009 PRIOR TO DEMOLITION WITH SHPO	Sentry Station	DNE	DEMO HPO-H2009-120
1137A	1942	Waiting Shelter	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Bus Shelter	DNE	
1137M	1946	Monument; Memorial to WWII KIA	1991- ASAP	Monument; Memorial to WWII KIA	NEV	
1146	circa 2002	Access Center Facility	- 2047	Access Center Facility	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- not present on 1995 aerial, but exists by 2002
1148	circa 2002	Access Canopy; Overhead Protection	- 2047	Access Canopy; Overhead Protection	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- not present on 2002 aerial, but exists by 2006
1150	1968	Lightning Protection System	2013- CULTURAL LANDSCAPE ANALYSIS	Lightning Protection System	NEV	No Real Property folder as of DEC 2011
1175A	1996	Monitoring Well	2041	Monitoring Well	NEV	
R1176	circa 1937/1994 (rebuilt into pedestrian bridge)	Bridge, Railroad	1982- ASAP	Bridge, Pedestrian	NEV	Prior B-13; adjacent to 1176 along 1st St
V1176	circa 1942/1995/2009 (rehabilitated)	Bridge, Vehicle	1987- ASAP	Bridge, Vehicle	NEV	Prior B-9; adjacent to 1176 along 1st St
1177	2003	Burning Grounds Range	2048	Burning Grounds Range	NEV	
1179A	1942	Safety Shelter and Storage	EVALUATED 2010, PER 1179; C; D DEMO AND REPLACE	Safety Shelter and Storage	DNE	1179X; IFS INPUT DURING 2009 PRE-AUDIT REVIEW
1183	2002	Skeet Field; Concrete Bunker or Pad	2047	Skeet Field; Concrete Bunker or Pad	NEV	
1200M	1976	Monument; Memorial- Denmark Forge Monument (Rock)	2021	Monument; Memorial- Denmark Forge Monument (Rock)	NEV	
V1217	circa 1937/1954 (rebuilt)	Bridge, Vehicle	1982- ASAP	Bridge, Vehicle	NEV	Prior B-29
1219	1953	Pump House	COMPLETED 2007	Pump House	DNE	
1222C	circa 1987	Blast and Exhaust Deflector; Explosive Barrier	- 2032	Blast and Exhaust Deflector; Explosive Barrier	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- not present on 1979 aerial, but exists by 1987
1222D	circa 1987	Slug Butt	EVALUATED PRIOR TO DEMOLITION WITH SHPO	Slug Butt	DNE	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- not present on 1979 aerial, but exists by 1987
1223	1982	Open Storage Area	2027	Open Storage Area	NEV	
1224	1956	Open Storage Area	2001- ASAP	Open Storage Area	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
1225	1997	Recreational Shelter	2042	Recreational Shelter	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
1227	1941	Recreation Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Recreation Bldg	DNE	
1227A	circa 1963-1970		2008- ASAP		NEV	
1228	1966	Recreational Pier	2011	Recreational Pier	NEV	
1228A	1968	Picnic Shelter	COMPLETED 2007	Picnic Shelter	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
1229	1970	Softball Field	2015	Softball Field	NEV	
1230	1966	Recreational Picnic Area	2011	Recreational Picnic Area	NEV	
1230A	1970	Court Area	2015	Court Area	NEV	
1230B	1970	Court Area	2015	Court Area	NEV	
1230C	1955	Storage Shed	2000- ASAP	Storage Shed	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property

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		NRHP ELIGIBLE					
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RP #	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS	
1230D	1966	Above-Ground Gas Tank	2011- ASAP	Above-Ground Gas Tank	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property	
1230E	1966	Picnic Area	2011- ASAP	Picnic Area	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property	
1235	original dam-circa 1900; present dam- 1946-1967	Lake Denmark Dam	2023	Lake Denmark Dam	NEV	Earthen and rock filled dam; 2011- new concrete patched and poured over existing dam and gabion baskets added	
1241	1964	Ordnance Facility; Observation Bldg	COMPLETED 2008	Ordnance Facility; Observation Bldg	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION- still exists	
1241A	circa 1960	Ordnance Facility; Turret Barricade Explosive	COMPLETED 2008	Vacant; Derelict	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; Bldg was renumbered due to Real Property paperwork errors, prior Bldg 1240	
1241B	1959	Ordnance Facility; Observation Bldg	COMPLETED 2008	Derelict Ordnance Facility; Observation Bldg	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; Bldg was renumbered due to Real Property paperwork errors, prior Bldg 1242	
R1242	1961	500meter & 1,000meter Flight Ballistic Test Ranges	COMPLETED 2008	Derelict Range	DNE		
1242A	1967	Slug Butt; Ordnance Facility	COMPLETED 2008	Slug Butt	DNE	DEMO- HPO-D2009-211 PROD	
1243	circa 1964	Water Tanks	COMPLETED 2011	Water Tanks	DNE	ASSESSED BY CRM, DETERMINED DNE PER SHPO CONCURRENCE HPO-09-0714-07; HPO-C2011-017 PROD; DEMO SHPO COMPLETE via DERP AMENDMENT & Signature- 10 March 11	
1300	1945	Elevated Water Tank	EVALUATED 1982-83 HABS; COMPLETED 2008	Elevated Water Tank	DNE		
1302A	1969	Loading; Unloading Dock and Ramp	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Loading; Unloading Dock and Ramp	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- surveyed as part of 1302	
1302B	1962	Blast and Exhaust Deflector; Explosive Barrier	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Blast and Exhaust Deflector; Explosive Barrier	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- surveyed as part of 1302	
1302C	1960	Blast and Exhaust Deflector; Explosive Barrier	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Blast and Exhaust Deflector; Explosive Barrier	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- surveyed as part of 1302	
1309A	1964	Blast and Exhaust Deflector; Explosive Barrier	2009- ASAP	Blast and Exhaust Deflector; Explosive Barrier	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property	
1373A	circa 1948	Pump House	COMPLETED 2004	Vacant; Derelict	DNE		
1381	circa 2002	Reservoir Raw/Tank	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Reservoir Raw/Tank	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10	
1381A	1948	Water Pump House; Double Base Rolled Powder Plant Bldg	COMPLETED 2007	Pump House	DNE		
1382	circa 2002	Reservoir Raw/Tank	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Reservoir Raw/Tank	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10	
1383	circa 1987	Water Treatment Plant	2032	Water Treatment Plant	NEV		
1397 (115B [half of 200D])	1943	Waiting Shelter	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999 AND 2009	Miscellaneous Shed	DNE	Relocated to Truck Gate and Scale House; DEMO HPO-H2009-120	
1399	1987	Sentry Station	EVALUATED 2009 PRIOR TO DEMOLITION WITH SHPO	Sentry Station	DNE	Relocated to Canopy at Phipps and Shinkle Rd.; DEMO HPO-H2009-120- NO LONGER PLANNED FOR DEMO	
1400A	circa 2006	Heat Plant Bldg	- 2051	Heat Plant Bldg	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- not present on 2002 aerial, but appears to exist by 2006	
1403A	circa 2006	Heat Plant Bldg	- 2051	Heat Plant Bldg	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- not present on 2002 aerial, but appears to exist by 2006	

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		NEEDS TO BE HISTORICALLY ASSESSED FOR NRHP				
		CULTURAL LANDSCAPE ANALYSIS				
		NEW STRUCTURE PER IFS PRE-AUDIT (2009)- guesstimate age of construction by Real Property- AGE DETERMINATION NEEDED PRIOR TO NHPA REQUIREMENTS BEING FULFILLED				
		NRHP ELIGIBLE				
		DISPOSAL; DEMOLITION PLANNED				
1500	1947	Elevated Water Tank	COMPLETED 2007	Elevated Water Tank	NREC	ASSESSED AS 1510D; Criterion A & C; Rocket Test Area Historic District
1500H	2004	Above-Ground Gas and Heat Plant Structure	2049	Above-Ground Gas and Heat Plant Structure	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
1505A	1948	Test Cell	COMPLETED 2007	Test Cell and Control Room	NREC	Criterion A & C; Rocket Test Area Historic District
1505B	1948	Test Cell	COMPLETED 2007	Test Cell	NREC	Criterion A & C; Rocket Test Area Historic District
1505D	1965	Test Cell	COMPLETED 2007	Test Cell	NREC	Criterion A & C; Rocket Test Area Historic District
1505F	1959	Storage and Wind Tunnel	COMPLETED 2007	Storage and Wind Tunnel	NREC	Criterion A & C; Rocket Test Area Historic District
1505N	1948	Open Back Blast Area	COMPLETED 2007	Open Back Blast Area	NREC	Criterion A & C; Rocket Test Area Historic District
1509A	1950	HVAC Bldg	COMPLETED 2008	HVAC Bldg	NREC	Criterion A & C; Rocket Test Area Historic District
1527	1960	Barricade	COMPLETED 2007	Vacant; Derelict	NCE; DNE	WITHIN HISTORIC DISTRICT BOUNDARY; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
1528	1963	Barricade; Explosives Flammable Materials Storehouse	COMPLETED 2007	Barricade	NCE; DNE	WITHIN HISTORIC DISTRICT BOUNDARY; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
3005A	1988	Storage Shed	2033	Storage Shed	NEV	
3013B	2010	Fiber Optic Communication Shelter	2055	Fiber Optic Communication Shelter	NEV	
3023	1982	Underground Sewage Pump	2027	Underground Sewage Pump	NEV	
3024B	1997	AC & Refrigeration Plant Structure	COMPLETED 2007	AC & Refrigeration Plant Structure	DNE	
3029C	1996	Fire Hose House	2041	Fire Hose House	NEV	
3040	circa 1932	Hydrant House	EVALUATED 1982-83 HABS; COMPLETED 2009	Hydrant House	DNE	Prior Navy Bldg 527; DEMO PLANNED ACCORDING TO TECUP MOA- 1985; IFS INPUT DURING 2009 PRE-AUDIT REVIEW
3050M	1930	Monument; Memorial to Marines killed in 1926 Explosion	COMPLETED 2008	Monument; Memorial to Marines killed in 1926 Explosion	DNE	FOR 1926 EXPLOSION; relocated to 3306; 3306 has historical info; photos
3056	1982	Pistol Field & Firing Range	COMPLETED 2007	Pistol Field & Firing Range	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
3057	1942	Tennis Courts	EVALUATED 1994; COMPLETED 1999	Tennis Courts	DNE	Prior Navy Bldg 911
3109B	2009	Storage Bldg	2054	Open Storage Bldg	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
3141	1924	Standpipe	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Standpipe	DNE	Prior Navy Bldg 69
3144	1965	Drop Tower	COMPLETED 2007	Drop Tower	DNE	
3144A	1965	Miscellaneous Shed	COMPLETED 2009	Miscellaneous Shed	DNE	
3150A	1962	Open Storage Area	2007- ASAP	Open Storage Area	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
3150B	1970	Open Storage Area	2015	Open Storage Area	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
3150C	1987	Open Storage Area	2032	Open Storage Area	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
3150R	1986	Outdoor Fitness Center Court Area	2031	Outdoor Fitness Center Court Area	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
3150W	1956	Open Storage Area	2001- ASAP	Open Storage Area	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
3151	1984	Heat Plant Building	2029	Heat Plant Building	NEV	
3152	1982	Heat Plant Building	2027	Heat Plant Building	NEV	
3154	circa 1932	Hydrant House	EVALUATED 1982-83 HABS; COMPLETED 2009	Hydrant House	DNE	Prior Navy Bldg 583; DEMO PLANNED ACCORDING TO TECUP MOA- 1985; IFS INPUT DURING 2009 PRE-AUDIT REVIEW
3157A	1996	Storage Shed	2041	Storage Shed	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
3175	1901	Coal Bin	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Vacant; Derelict	DNE	Prior Navy Bldg 973
3183	1939	Dikes or Dams	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Dikes or Dams	DNE	

REAL PROPERTY ASSOCIATED ASSETS AND STRUCTURES

		NEEDS TO BE HISTORICALLY ASSESSED FOR NRHP					
		CULTURAL LANDSCAPE ANALYSIS					
		NEW STRUCTURE PER IFS PRE-AUDIT (2009)- guesstimate age of construction by Real Property- AGE DETERMINATION NEEDED PRIOR TO NHPA REQUIREMENTS BEING FULFILLED					
		NRHP ELIGIBLE					
		DISPOSAL; DEMOLITION PLANNED					
RP #	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS	
3202	2008	Land Mobile Radio Tower	2053	Land Mobile Radio Tower	NEV		
3204A	2003	Waiting Shelter	2048	Waiting Shelter	NEV		
3205	circa 1936	Cistern	2013- Navy Hill Foundation Cultural Landscape Analysis	Derelict Cistern (covered)	NEV		
3208A	1942	Unknown Storage	COMPLETED 2007	Gen Purp Storage Shed	DNE		
3208B & 3208C	1982	Unknown Storage	COMPLETED 2007	Gen Purp Storage Shed	DNE		
3208D	1982	Unknown Storage	COMPLETED 2007	Gen Purp Storage Shed	DNE	to be demoed	
3209A	2005	Playground	2040	Playground	NEV		
3210	unknown	Pump House	COMPLETED 2007	Pump House	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; Prior Navy Bldg 578	
3214	1943	Reservoir Raw	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Reservoir Raw	DNE	Prior Navy Bldg 89	
3224	1940	Flagpole	COMPLETED 2009	Flagpole	DNE		
3225A	1992	Court Area	2047	Court Area	NEV		
3225B	1989	Open Storage Area	2031	Open Storage Area	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property	
3226	1942	Softball Field	EVALUATED 1994; COMPLETED 1999	Little League Field	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10- NO LONGER PLANNED FOR DEMO	
3227	2000	Outdoor Fitness Center; Aquatic Park	2045	Outdoor Fitness Center; Aquatic Park	NEV		
3227A	2000	Aquatic Park Snack Bar	2045	Aquatic Park Snack Bar	NEV		
3227B; 3227C; 3227D	2000	Outdoor Swim Pool	2045	Outdoor Swim Pool	NEV		
3227F	2000	Open Storage Area	2045	Open Storage Area	NEV		
3232A	2002	Waiting Shelter	2047	Waiting Shelter	NEV		
3234	1980	Playground	2025	Playground	NEV		
3236A	1986	Open Storage Area	2031	Open Storage Area	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property	
3236B	1996	Open Storage Area	2041	Open Storage Area	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property	
3237	1985	Playground Shelter	2047	Playground Shelter	NEV		
3237B	1985	Basketball Court	2047	Basketball Court	NEV		
3246	1935	Garage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Garage	DNE	RCI; GMH- DEMO PER 2004 PMOA	
3247K; 3247L; 3247M	1984	Detached Storage	2029	Detached Storage	NEV	RCI; GMH- DEMO PER 2004 PMOA	
3248G	1984	Garage	2029	Garage	NEV	RCI; Balfour Beatty	
3248K; 3248L	1984	Detached Storage	2029	Detached Storage	NEV	RCI; Balfour Beatty	
3249	1984	Sewage Lift Station	2046	Sewage Lift Station	NEV		
3250A	1961	Flagpole	2006- ASAP	Flagpole	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property	
3250M	circa 1930s	Monument; Memorial Cannonballs	~ 1975- ASAP	Monument; Memorial Cannonballs	NEV	see historic photos- placed in piles surrounding Qtrs 3250 prior to 1926 explosion	
3253	1985	Waiting Shelter	COMPLETED 2007	Waiting Shelter	DNE	Prior Navy Bldg 901	
3254	1905; circa 1965	Standpipe	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Standpipe	DNE	Prior Navy Bldg 67	
3266B	1985	Open Storage Area	2030	Open Storage Area	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property	
3269B	2000	Bus Station	2045	Bus Station	NEV		

REAL PROPERTY ASSOCIATED ASSETS AND STRUCTURES

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		NEEDS TO BE HISTORICALLY ASSESSED FOR NRHP				
		CULTURAL LANDSCAPE ANALYSIS				
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		NRHP ELIGIBLE				
		DISPOSAL; DEMOLITION PLANNED				
3316A	circa 1995	Gen Purp Storage	~ 2040	Gen Purp Storage	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- not present on 1987 aerial, but appears to exist by 1995- may be part of former 3317 (Greenhouse)
3322	1987	Sentry Station	EVALUATED 2009 PRIOR TO DEMOLITION WITH SHPO	Sentry Station	DNE	DEMO HPO-H2009-120
3323A; 3323B; 3323C	1999	Water Storage Tank	2044	Water Storage Tank	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW; attached to rear of Bldg 3323 (PX; Commissary)
3324A	1966	Open Storage Area	2011- CULTURAL LANDSCAPE ANALYSIS	Open Storage Area	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- along Lake Denmark Rd
3324D	1999	Water Storage Tank	2044	Water Storage Tank	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
3355A	2011	Water Supply Bldg	2056	Water Supply Bldg	NEV	
3361	2012	Storage Shed	2047	Storage Shed	NEV	
3420	1978	Sewage Lift Station	2023	Sewage Lift Station	NEV	
V3500	1994	Bridge, Vehicle	2039	Bridge, Vehicle	NEV	
3506	1972	Target Detection Range, Non-Firing	2017- CULTURAL LANDSCAPE ANALYSIS	Target Detection Range, Non-Firing	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
3531	1956	Underground Storage Tank	COMPLETED 2007	Underground Storage Tank	DNE	Prior Navy Bldg 777; DEMOED- HPO-D2009-211 PROD- NO LONGER PLANNED FOR DEMO
3533	1975	Sewage Lift Station	2020	Sewage Lift Station	NEV	
3553	circa late 1950s	Foundation and Pad from former NARTS Facility	1995- ASAP	Foundation and Pad from former NARTS Facility	NEV	
3572	1946	G-2 Pond Dam	COMPLETED 2008	G-2 Pond Dam	DNE	G-2 Pond Dam Bridge; Prior Navy Bldg 966
3573	1948	G-2 Pond Dam	COMPLETED 2008	G-2 Pond Dam	DNE	Prior Navy Bldg 965
3576	circa 1970	Flare Test Tower; Ordnance Facility	COMPLETED 2009	Derelict Flare Test Tower; Ordnance Facility	DNE	Not associated with NARTS Area G
3601	circa 1950	NARTS JATO Track	COMPLETED 2004	Vacant; Derelict	NREC	Criterion A & C; Naval Air Rocket Test Stand (NARTS) Test Area D Historic District; Prior Navy Bldg 788
3602	1952	NARTS Oxidizer Bunker; Liquid Propellant Storage; Detection Facility; Radar Equip Storage	COMPLETED 2004	Liquid Propellant Storage	NREC	Criterion A & C; NARTS Test Area D Historic District; Prior Navy Bldg 792
3604	1953	NARTS Test Cell 4-D	COMPLETED 2004	Ordnance Facility	NREC	Criterion A & C; NARTS Test Area D Historic District; Prior Navy Bldg 797; DEMO SHPO COMPLETE pending Narrative Completion
3608	1959	NARTS Heating Plant (Oil Fired); Boiler House	COMPLETED 2004	Boiler House	NREC	Criterion A & C; NARTS Test Area D Historic District; Prior Navy Bldg 836; DEMO SHPO COMPLETE pending Narrative Completion
3610	1952	NARTS Liquid Propellant Storage; Ready Storage Shed; Radar and Detection Equip Storage	COMPLETED 2004	Liquid Propellant Storage	NREC	Criterion A & C; NARTS Test Area D Historic District; Prior Navy Bldg 793
3614	circa 1973	Open Test Cell	COMPLETED 2004	Open Test Cell	NCE; DNE	Criterion A & D; NARTS Test Area D Historic District
3620; R3620	1973; 1956	Ballistic Rail Gun	COMPLETED 2004	Ballistic Rail Gun	NCE; DNE	WITHIN HISTORIC DISTRICT BOUNDARY; US Army Stock No. 10, 7148074, Mechanism recoil M6A2, No. 2125, US 1944, Rock Island Arsenal, Overhauled by Lead 6169;
3622; 3623	1962	Water Tank	COMPLETED 1999	Water Tank	NCE; DNE	WITHIN HISTORIC DISTRICT BOUNDARY
3628	1968	Gun Turret; Test Cell	COMPLETED 2004	Test Cell	NCE; DNE	WITHIN HISTORIC DISTRICT BOUNDARY; Moved throughout the area for testing purposes; DEMO SHPO COMPLETE via DERP AMENDMENT & Signature- 10 March 11
3700A	2000	Court Area	2045	Court Area	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
3700M	2000	Monument; Memorial	2045	Monument; Memorial	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
3717	2007	Playground	2052	Playground	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property

REAL PROPERTY ASSOCIATED ASSETS AND STRUCTURES

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		NRHP ELIGIBLE				
		DISPOSAL; DEMOLITION PLANNED				
3718	2007	Playground	2052	Playground	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
75025	1963	Skeet Field	2008- ASAP; CULTURAL LANDSCAPE ANALYSIS	Skeet Field	NEV	
75040	1921	Air Field Landing Strip; Parade Grounds; Golf Course	COMPLETED 2008	Golf Course	DNE	BACK NINE PENDING FURTHER SHPO CONSULTATION TO BE DEFINED AS OPEN SPACE TO ADMIN; RESEARCH HISTORIC DISTRICT (HPO-C2010-213)
76030	POST REV- WAR	Walton Cemetery	EVALUATED 1994	Walton Cemetery	POTENTIALLY ELIGIBLE	Identified in 1994 as Archaeological Site 28MR265
82210; 82040	1901	Steam Distribution System	EVALUATED 1994; COMPLETED 1999	Steam Distribution System	DNE	Arsenal-Wide; Structure Line - No SHPO Response Received- Assumed DNE; DEMO Concurrence After 30 Days; DEMO-HPOE2009-44: RETAIN STEAMLINE AND ASSOCIATED FEATURES WITHIN 600 AND 1500 HISTORIC DISTRICT AREAS, AS NEEDED FOR ENERGETIC OPERATIONS; REMAINING LINES TO BE DEMOLISHED PER RPMP FRP PA WITH GIS DOCUMENTATION AS NEEDED
86010	1880-1964	Railroad Tracks	EVALUATED 1994; COMPLETED 1999	Railroad Tracks	DNE	Arsenal-Wide; most Tracks disposed as of 1979
GC001	1968	Bridge, Pedestrian	COMPLETED 2008	Bridge, Pedestrian	DNE	
GC002	1968	Bridge, Pedestrian	COMPLETED 2008	Bridge, Pedestrian	DNE	
GC003	1968	Bridge, Pedestrian	COMPLETED 2008	Bridge, Pedestrian	DNE	
GC004	1968	Bridge, Pedestrian	COMPLETED 2008	Bridge, Pedestrian	DNE	
GC005	1968	Bridge, Pedestrian	COMPLETED 2008	Bridge, Pedestrian	DNE	
GC006	2004	Bridge, Pedestrian	COMPLETED 2008	Bridge, Pedestrian	DNE	
GC007	2004	Bridge, Pedestrian	COMPLETED 2008	Bridge, Pedestrian	DNE	
GC008	2004	Bridge, Pedestrian	COMPLETED 2008	Bridge, Pedestrian	DNE	
GC009	2004	Bridge, Pedestrian	COMPLETED 2008	Bridge, Pedestrian	DNE	
R00G2	2004	Small Arms Range	2049	Small Arms Range	NEV	
157201	2009	Temporary Explosive Storage Bunker	2054	Temporary Explosive Storage Bunker	NEV	
157202	2009	Temporary Explosive Storage Bunker	2054	Temporary Explosive Storage Bunker	NEV	
157203	2009	Temporary Explosive Storage Bunker	2054	Temporary Explosive Storage Bunker	NEV	

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RP #	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS/YEAR ASSESSMENT COMPLETED/ ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS	
00AAL	1965	AAL Ordnance Facilities	N/A	AAL Ordnance Facilities	N/A	No Real Property folder as of DEC 2011	
00QAL	1965	AAL NCO Enlisted Housing	N/A	AAL NCO Enlisted Housing	N/A	No Real Property folder as of DEC 2011	
00SS1; 00SS2	1999	Substation	2044	Substation	NEV	Maintained and utilized by Sussex Rural	
FA151	1983	Fire Alarm System	2028-with Bldg 151 assessment?	Fire Alarm System	NEV		
LG200	1942	Reservoir- G2 Pond	1987- ASAP- CULTURAL LANDSCAPE ANALYSIS	Reservoir- G2 Pond	NEV		
314A	1942	Concrete Pad	1987- ASAP	Concrete Pad	NEV		
TR382	1942	Concrete Pad w/ Transformer	1987- ASAP	Concrete Pad w/ Transformer	NEV		
429B	1938-1942	Concrete Pad	1982-83 HABS	Concrete Pad	DNE	likely former pad from 424A- 1982-83 HABS survey	
524X	1955	Septic Tank; Drain Field	2000- CULTURAL LANDSCAPE ANALYSIS	Septic Tank; Drain Field	NEV		
542BX	1956	Septic Tank; Drain Field	2001- CULTURAL LANDSCAPE ANALYSIS	Septic Tank; Drain Field	NEV		
624; 624A; 624B	1929; 1942	Concrete Pad	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Concrete Pad	NCE; DNE	concrete pads left over from 623, 623A, and 623B Elevated Water Tanks; located under top soil and landscaped lawn	
650D	2007	Range Concrete Pad	2052	Range Concrete Pad	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property- not present on 2002 aerial, but exists by 2007	
654C; 654D	circa 1963-1970	Range Concrete Pad	2008- CULTURAL LANDSCAPE ANALYSIS	Range Concrete Pad	NEV		
1029W	1974	Industrial Waste Treatment Area	2019- CULTURAL LANDSCAPE ANALYSIS	Industrial Waste Treatment Area	NEV	Assumed attached to 1029 West end	
1029X	1974	Septic Tank; Drain Field	2019- CULTURAL LANDSCAPE ANALYSIS	Septic Tank; Drain Field	NEV	Wooded area South of Bldg	
1037X	1957	Septic Tank; Drain Field	2002- CULTURAL LANDSCAPE ANALYSIS	Septic Tank; Drain Field	NEV		
1090X	1968	Septic Tank; Drain Field	2013- CULTURAL LANDSCAPE ANALYSIS	Septic Tank; Drain Field	NEV		
L1200	1942	Reservoir- Lake Denmark	1987- CULTURAL LANDSCAPE ANALYSIS	Reservoir- Lake Denmark	NEV		
1227X	1968	Septic Tank; Drain Field	2013- CULTURAL LANDSCAPE ANALYSIS	Septic Tank; Drain Field	NEV		
X1240	1948	Blast and Exhaust Deflector; Explosive Barrier	COMPLETED 2008	Blast and Exhaust Deflector; Explosive Barrier	DNE	surveyed with surrounding 1240 Range Area	

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		NRHP ELIGIBLE					
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RP #	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS/YEAR ASSESSMENT COMPLETED/ ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS	
1372Z	1974	Above Ground Communication Lines	2019- CULTURAL LANDSCAPE ANALYSIS	Above Ground Communication Lines	NEV		
1382A	2001	Standby Generator	2046	Standby Generator	NEV		
1382B	1901	Underground Heat Fuel Tank	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Underground Heat Fuel Tank	DNE		
1404A	1989	Antenna	2034	Antenna	NEV		
1504T	1954	Concrete Pad w/ Transformer	1999- CULTURAL LANDSCAPE ANALYSIS	Concrete Pad w/ Transformer	NEV		
1518X	1966	Septic Tank; Drain Field	2011- CULTURAL LANDSCAPE ANALYSIS	Septic Tank; Drain Field	NEV		
L3000	1942	Reservoir- Picatinny Lake	1987- ASAP- CULTURAL LANDSCAPE ANALYSIS	Reservoir- Picatinny Lake	NEV		
3002A	circa 2002	Concrete Pad w/ Transformer	~ 2047	Concrete Pad w/ Transformer	NEV	not present on 1987 aerial, but exists by 2002	
3013A	2001	Standby Generator	2046	Standby Generator	NEV		
3013C	2010	Gas Fired and Electric Power, Concrete Pad	2055	Gas Fired and Electric Power, Concrete Pad	NEV		
3021T	circa 2002	Concrete Pad w/ Transformer	~ 2047	Concrete Pad w/ Transformer	NEV	not present on 1987 aerial, but exists by 2002	
3022C	1928	Concrete Pad	1973- ASAP	Concrete Pad	NEV		
3024B	1997	AC Unit	2042; 2007- preliminarily assessed	AC Unit	DNE		
3028A	circa 1987	Transformers	~ 2032	Transformers	NEV	not present on 1979 aerial, but exists by 1987	
3028B; 3028C	1999	Standby Generator	2044	Standby Generator	NEV		
3029E	1976	Concrete Pad	2021	Concrete Pad	NEV		
3100A	2001	Standby Generator	2046	Standby Generator	NEV		
T3100	1942	Concrete Pad w/ Transformer	1987- ASAP	Concrete Pad w/ Transformer	NEV		
3109C	1968	Concrete Pad	N/A	Concrete Pad	N/A	No Real Property folder as of DEC 2011	
3119A	1956	Above-Ground Heat Fuel Tank	EVALUATED 1994; COMPLETED 1999; FINAL NRHP EVALUATION 2000	Above-Ground Heat Fuel Tank	DNE		
3150O	1986	Electrical Switch Station	2031	Electrical Switch Station	NEV		
3208D; 3208E; 3208F	1989	Antenna	2034	Antenna	DNE		
3229	2009	Non-Organizational Parking/Unpaved	CULTURAL LANDSCAPE ANALYSIS	Non-Organizational Parking/Unpaved			
3229	2000	Non-Organizational Paved Parking	CULTURAL LANDSCAPE ANALYSIS	Non-Organizational Paved Parking	NEV		
3246A	1935	Above-Ground Heat Fuel Tank	1980- ASAP	Above-Ground Heat Fuel Tank	NEV		
3323D	1999	Standby Generator	2044	Standby Generator	NEV		
3409C; 3409D	1956	Transformers	N/A	Transformers	N/A	No Real Property folder as of DEC 2011	

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		NRHP ELIGIBLE				
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RP #	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS/YEAR ASSESSMENT COMPLETED/ ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS
3420A	1999	Standby Generator	2044	Standby Generator	NEV	
3505	1996	Monitoring Well	N/A	Monitoring Well	N/A	Typical well, survey not needed
3505W	1996	Monitoring Well	N/A	Monitoring Well	N/A	Typical well, survey not needed
3509; 3509A; 3509B	1954	Concrete Pad	N/A	Concrete Pad	N/A	No Real Property folder as of DEC 2011
3518A	1985	Above-Ground Gas Tank	2030	Above-Ground Gas Tank	NEV	
3800X	1975	Septic Tank; Drain Field	N/A- SHPO APPROVAL NEEDED PRIOR TO HUD/337 RP# REMOVAL	Septic Tank; Drain Field	NEV	
3801A	1978	Antenna	2023	Antenna	NEV	
3801B; 3801C; 3801E	1978	Above Ground Jet Fuel Stand	2023	Above Ground Jet Fuel Stand	NEV	
3801D	1978	Flagpole	2023	Flagpole	NEV	
3801F	1978	AC Mount Pad	2023	AC Mount Pad	NEV	
3801G; 3801T	1978	Hangar Access Apron	2023	Hangar Access Apron	NEV	
3801H	1978	Paved Runway	2023	Paved Runway	NEV	
3801I	1978	Runway Lighting	2023	Runway Lighting	NEV	
3801J	1978	Taxiway Lighting	2023	Taxiway Lighting	NEV	
3801K	1978	Runway Apron	2023	Runway Apron	NEV	
3801L	1978	Rotary Wing Parking Pad Lighting	2023	Rotary Wing Parking Pad Lighting	NEV	
3801M	1978	Wind Direction Indicator	2023	Wind Direction Indicator	NEV	
3801O	1978	AC TRK Fuel Lodge	2023	AC TRK Fuel Lodge	NEV	
3801P	1978	AC TRK Fuel Lodge	2023	AC TRK Fuel Lodge	NEV	
3801Q; 3801R	1978	Pollutant Catch Basin	2023	Pollutant Catch Basin	NEV	
3801U	1978	Paved Non-Organizational Parking Lot	CULTURAL LANDSCAPE ANALYSIS	Paved Non-Organizational Parking Lot	NEV	
3801V	1978	Paved Organizational Parking Lot	CULTURAL LANDSCAPE ANALYSIS	Paved Organizational Parking Lot	NEV	
3801W	1978	Fencing and Walls	CULTURAL LANDSCAPE ANALYSIS	Fencing and Walls	NEV	
3801X; 3801Y; 3801Z	1978	Entrance Gate	CULTURAL LANDSCAPE ANALYSIS	Entrance Gate	NEV	
3820	1975	Water Treatment Plant	2020	Water Treatment Plant	NEV	
12520	1982	Underground Gas Pipeline	CULTURAL LANDSCAPE ANALYSIS	Underground Gas Pipeline	N/A	
13510	1942	AAL Above-Ground Communication Lines	CULTURAL LANDSCAPE ANALYSIS	AAL Above-Ground Communication Lines	NEV	
14930	1942	AAL Protective Barriers	N/A- usually attached to structures	AAL Protective Barriers	N/A	
14990	1942	AAL Loading; Unloading Dock and Ramps	N/A- usually attached to structures	AAL Loading; Unloading Dock and Ramps	N/A	

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		NRHP ELIGIBLE				
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21450	1949	AAL Grease Rack	CULTURAL LANDSCAPE ANALYSIS	AAL Grease Rack	NEV	
45210	1926	AAL Open Storage Areas	CULTURAL LANDSCAPE ANALYSIS	AAL Open Storage Areas	NEV	
69030	1992	Facility Info Sign	2037	Facility Info Sign	N/A	
81230	1963	AAL Exterior Lighting	CULTURAL LANDSCAPE ANALYSIS	AAL Exterior Lighting	NEV	
81240	1942	AAL Overhead Electric Lines	CULTURAL LANDSCAPE ANALYSIS	AAL Overhead Electric Lines	NEV	
81242	1981	AAL Underground Electric Lines	CULTURAL LANDSCAPE ANALYSIS	AAL Underground Electric Lines	N/A	
81350	1942	Electrical Switch Station	1987- ASAP	Electrical Switch Station	NEV	
81260	1984	Transformers	N/A	Transformers	FRP; UPGRADE ELECTRIC DISTRIBUTION- NO LONGER ARMY PROPERTY	NO LONGER ARMY PROPERTY, NO ACTUAL DEMOLITION OCCURRING, EASEMENTS TURNED OVER IN 2000 TO SUSSEX RURAL- HQ COORDINATION ACTION/TURN-IN; VARIOUS PORTIONS HAVE BEEN DEMOLISHED AND DETERIORATING, NO LONGER INTACT OR EXTANT ACROSS INSTALLATION; No Real Property folder as of DEC 2011
81390	1984	Electrical Switch Station	2029	Electrical Switch Station	NEV	
82613; 82614	1982; 1984	AC & Refrigeration Plant Structures	2027	AC & Refrigeration Plant Structures	NEV	
82712	1983	Chilled Water Distribution System	CULTURAL LANDSCAPE ANALYSIS	Chilled Water Distribution System	N/A	
83210	1942	AAL Sanitary Sewer	CULTURAL LANDSCAPE ANALYSIS	AAL Sanitary Sewer	NEV	
84210	1942	AAL Potable Water Distribution System	CULTURAL LANDSCAPE ANALYSIS	AAL Potable Water Distribution System	NEV	
84510	1942	AAL NON-POTABLE WATER DISTRIBUTION SYSTEM	CULTURAL LANDSCAPE ANALYSIS	AAL NON-POTABLE WATER DISTRIBUTION SYSTEM	NEV	
ROADS	1942	AAL Paved Roads	CULTURAL LANDSCAPE ANALYSIS	AAL Paved Roads	NEV	Category Code 85110 and 85112
85130	1964	AAL Unpaved Roads	CULTURAL LANDSCAPE ANALYSIS	AAL Unpaved Roads	NEV	
85210	1942	AAL Organizational Paved Parking	CULTURAL LANDSCAPE ANALYSIS	AAL Organizational Paved Parking	NEV	
85215	1942	AAL Non-Organizational Paved Parking	CULTURAL LANDSCAPE ANALYSIS	AAL Non-Organizational Paved Parking	NEV	
85217	1983	AAL Sidewalks	CULTURAL LANDSCAPE ANALYSIS	AAL Sidewalks	NEV	
85220	1963	AAL Paved Sidewalks	CULTURAL LANDSCAPE ANALYSIS	AAL Paved Sidewalks	NEV	
87110	1963	AAL Storm Sewers	CULTURAL LANDSCAPE ANALYSIS	AAL Storm Sewers	NEV	
87120; 87190	1942/1936	AAL Drainage Ditches	CULTURAL LANDSCAPE ANALYSIS	AAL Drainage Ditches	NEV	
87130	1968	AAL Irrigation Facility	CULTURAL LANDSCAPE ANALYSIS	AAL Irrigation Facility	NEV	
87150	1942	AAL Retainment Structure	CULTURAL LANDSCAPE ANALYSIS	AAL Retainment Structure	NEV	
87210	1942	AAL Fencing and Walls	CULTURAL LANDSCAPE ANALYSIS	AAL Fencing and Walls	NEV	
87215	1987	AAL Fencing and Walls	CULTURAL LANDSCAPE ANALYSIS	AAL Fencing and Walls	NEV	
87250	1991	AAL Entrance Gate	CULTURAL LANDSCAPE ANALYSIS	AAL Entrance Gate	NEV	
88040	1962	AAL Intrusive Alarm System	N/A- usually attached to structures	AAL Intrusive Alarm System	N/A	

		NEEDS TO BE HISTORICALLY ASSESSED FOR NRHP					
		CULTURAL LANDSCAPE ANALYSIS					
		NEW STRUCTURE PER IFS PRE-AUDIT (2009)- guesstimate age of construction by Real Property- AGE DETERMINATION NEEDED PRIOR TO NHPA REQUIREMENTS BEING FULFILLED					
		NRHP ELIGIBLE					
		DISPOSAL; DEMOLITION PLANNED					
RP #	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS/YEAR ASSESSMENT COMPLETED/ ASSESSMENT INFO	CURRENT USE	NRHP ELIGIBLE	COMMENTS	
89070	1942	Underground or Above Ground Utility Systems	CULTURAL LANDSCAPE ANALYSIS	Underground or Above Ground Utility Systems	N/A		
89091	1942	AAL Lightning Protection System	CULTURAL LANDSCAPE ANALYSIS	AAL Lightning Protection System	NEV		
89095	1974	AAL Monitoring Wells	CULTURAL LANDSCAPE ANALYSIS	AAL Monitoring Wells	NEV		
89285; 89286; 89287		Improved Lands; Semi-Improved Lands; Unimproved Lands	CULTURAL LANDSCAPE ANALYSIS	Improved Lands; Semi-Improved Lands; Unimproved Lands	NEV		
89340	2010	Underground or Above Ground Utility Systems	CULTURAL LANDSCAPE ANALYSIS	Underground or Above Ground Utility Systems	NEV		

BLDG	YEAR MADE	OBJECT	COMMENTS
31	unknown	Flag (3)	
31	circa mid 1800s	Frankford Arsenal Bell	from Frankford Arsenal- closed in 1977
91	unknown	Flag (1)	conference room
93	Civil War era	Cannon (2)	Saratoga Monument from Frankford Arsenal- closed in 1977; 1982-83 HABS Assessment- significant as museum quality examples from the Civil War
93	unknown	Ordnance Bomb (2)	
151	1897	75mm Howitzer	east side of front entrance ledge- moved there from 94 after exterior remodeling/ maintenance- HPO-H2009-079
319	1862	Cannon	supposedly from Frankford Arsenal, from Bldg 3341 cleanout; moved to Bldg 319 in 2011
319	1885	Construction marker	from 1926 explosion and an unknown Bldg #; moved to Bldg 319 from former Museum, Bldg 2 in 2010
319	1887	Construction marker	from 1926 explosion and an unknown Bldg #; moved to Bldg 319 from former Museum, Bldg 2 in 2010
319	1905	Construction marker	probably from 1926 explosion and an unknown Bldg #; moved to Bldg 319 from former 1010 Rock Storage Area in 2011
3305	guns date to 1903; circa 1943	Naval guns (2) with 1926 explosion Marine/Civilian monument	1926 monument assessed in 2008- 3050M; 3305 has historical info/photos
3305	circa 1943	240mm shells with Marine Reserve Monument	adjacent to 1926 monument assessed in 2008; 3305 has historical info/photos

BLDG DEMO LIST

		INFORMATION DATA GAP				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS
4	1918	Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Electrical Equip Facility	DNE	DEMOED NOV-DEC 2009; DEMOED HPO-D2009-180; HPO-E2009-44; BRAC FUZE ENGINEERING COMPLEX
5	1918	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Operations Gen Purp	DNE	DEMOED NOV-DEC 2009; DEMOED HPO-D2009-180; HPO-E2009-44; BRAC FUZE ENGINEERING COMPLEX
7A	1944	Gen Storehouse	N/A	N/A	NEV	DEMOED AS OF 1969 BLDG. LIST; Bldg. 12 at location
10A	1951	Waiting Shelter	N/A	Miscellaneous Shed	NEV	NOT FOUND DURING 2009 RP; IFS CORPS INSPECTION
11A	1941	Storage	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS
16	1928	Storage	N/A	Gen Storehouse	NEV	DEMOED AS OF 1969 BLDG. LIST
19A	1956	Sentry Station	N/A	N/A	NEV	DEMOED NOVEMBER 1997 ACCORDING TO INSTALLATION SUPPORT ACTIVITY (ISA) RECORDS- TECUP PROGRAM
22	1918	Precision Machine Shop	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Precision Machine Shop	DNE	DEMOED JUNE 2000 ACCORDING TO RP RECORDS
22A	1947	Storage	N/A	Gen Storehouse	NEV	DEMOED AS OF 1969 BLDG. LIST
22B	1947	Storage	N/A	Gen Storehouse	NEV	DEMOED PRIOR TO 1982-83 HABS
22C	1944	Gen Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	DEMOED 2012; DEMOED- HPO-B2011-081
23	1939	Processing; Gen Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Shredder Facility	DNE	DEMOED 2012; DEMOED- HPO-A2011-108
24I	unknown	Industrial Waste Treatment Area	N/A- SHPO APPROVAL NEEDED PRIOR TO HUD; 337 RP# REMOVAL	Industrial Waste Treatment Area	NEV	NO LONGER LISTED IN IFS
V0027	1942	Bridge, Vehicle	COMPLETED 2011	Bridge, Vehicle	NEV	DEMOED-HPO-A2012-033; stone bridge holding together large culverts with steel plate cover going over Green Pond Brook going towards Pyro Pond and near the 1180 Skeet Tower
28A	1931	High Explosives Magazine	N/A	High Explosives Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
28B	unknown	High Explosives Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
31B	circa 1960s	Storage; Observation for Pyro Range and Flare Testing	N/A	Storage; Observation for Pyro Range and Flare Testing	NEV	DEMOED 1993-94 ACCORDING TO REAL PROP RECORDS; DEMOED AND REMOVED 2010 AS CONSIDERED PERSONAL PROPERTY; EQUIPMENT AND NOT ACTUALLY A BLDG OR FACILITY
31C	1940	Storage	EVALUATED 1982-83 HABS	Spun Chips Storage Bin for Precision Machine Operations	DNE	DEMOED HPO-L93-26
31D	unknown	PE Maintanance Shop	N/A	N/A	NEV	DEMOED 1993-94 ACCORDING TO REAL PROP RECORDS
31E	1940	Storehouse	EVALUATED 1982-83 HABS	Storehouse	DNE	DEMOED HPO-L93-26
31I	1982	Industrial Waste Treatment Area	N/A	Industrial Waste Treatment Area; Oil Spin House	NEV	DEMOED W; BLDG RENOVATION
33B	1938	Flammable Materials Storehouse	EVALUATED 1994; COMPLETED 1999	Flammable Materials Storehouse	DNE	DEMOED- HPO-E2009-44
33C	1960	Waiting Shelter	N/A	Miscellaneous Shed	NEV	DEMOED PRIOR TO 1982-83 HABS
39R	1991	Water Storage Tank	N/A	Water Storage Tank	NEV	DEMOED SEPTEMBER 2009 PER TED GABEL AND IRP PROGRAM; IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
39S	1991	Non-Potable Water Well	N/A	Non-Potable Water Well	NEV	DEMOED SEPTEMBER 2009 PER TED GABEL AND IRP PROGRAM; IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property
39T	1991	Water Storage Bldg; Environmental Test Facility	N/A	Golf Course Storage	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW; facility decommissioned in 2010 due to lack of operations and env. concerns
44	unknown	Truck Repair and Box Storage	N/A	N/A	NEV	EXISTED ON 1969 BLDG. LIST
52A	1942	Waiting Shelter	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Bus Shelter	DNE	NOT FOUND DURING 2009 RP; IFS CORPS INSPECTION
58	1937	Printing Plant; Lumber Storage; Instrumentation; Admin	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Operations Gen Purp; Admin General Purpose	DNE	DEMOLISHED APRIL 2012; railroad line found underneath building and during foundation removal; DISPOSAL PLANNED FOR NEW COMPUTER AIDED SIMULATION FACILITY; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
58A	1944	Gen Storehouse	COMPLETED 2007	N/A	DNE	CONFIRMED BY REAL PROPERTY TO BE NO LONGER STANDING- 1990s (WIND STORM); PREVIOUSLY LISTED AS BLDG 7A
60A	1970	Flammable Materials Storehouse	N/A	N/A	NEV	NOT FOUND DURING 2009 RP; IFS CORPS INSPECTION

BLDG DEMO LIST

INFORMATION DATA GAP							
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS	
65A	1962	Sentry Station	EVALUATED PRIOR TO DEMOLITION WITH SHPO	Sentry Station	DNE	DEMOED- HPO-95-522	
66	1944	Inert Component Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Inert Component Storehouse	DNE		
72	1962	Safe Shelter	COMPLETED 2007	Safe Shelter	DNE	DEMOED- HPO-E2009-44	
72A	1948	Latrine	N/A	Public Toilet	NEV	DEMOED PRIOR TO 1982-83 HABS	
75 & 75A	1954	Water Tank	COMPLETED 2008	Water Tank	DNE	DISPOSAL AND REPLACEMENT PLANNED 2012	
76	1956	Latrine	N/A	Public Toilet	NEV	DEMOED PRIOR TO 1982-83 HABS	
77	unknown	Water Pump Station	N/A	Water Pump Station	NEV	DEMOED PRIOR TO 1982-83 HABS	
80	1944	Sewage Treatment Plant	COMPLETED 2007	Sewage Treatment Plant (Setting Tank)	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; Demoed June-July 2011	
80C	1988	Storage Bldg	N/A	Storage Bldg	NEV	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; Demoed June-July 2011	
80D	1948; 1962; relocated 1980-90s	Sewage Treatment Plant Bldg	EVALUATED 2010 PRIOR TO DEMOLITION WITH SHPO	Sewage Treatment Plant Bldg	DNE	DEMOED June-July 2011; PRIOR BLDG 176C- DEMOED PRIOR TO 1994 HABS RE-RECORDATION, POTENTIALLY IN 1991; DISPOSAL DUE FOR GOLF MAINT. FAC- APPROVED DURING RPMP FRP SHPO PA (2009); IFS INPUT DURING 2009 PRE-AUDIT REVIEW	
81	1975	Water Monitoring Facility; Environ Test Water Monitoring Facility	COMPLETED 2007	Monitoring Station	DNE	DEMOED June-July 2011; DISPOSAL DUE FOR GOLF MAINT. FAC- APPROVED DURING RPMP FRP SHPO PA (3rd Amendment- 2012)	
82	1977	Environmental Lab	N/A	Environmental Lab	NEV	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; Demoed June-July 2011	
83	1978	Water Monitoring Station	COMPLETED 2007	Monitoring Station	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; Demoed June-July 2011	
84A	1962	Sentry Station	N/A	Sentry Station	NEV	DEMOED PRIOR TO 1982-83 HABS	
90T	1954	Quonset Hut	EVALUATED 1982-83 HABS	Covered Storage	DNE	DEMOED- HPO-L93-26	
91A	1948	Flammable Materials Storehouse	EVALUATED PRIOR TO DEMOLITION WITH SHPO	Flammable Materials Storehouse	DNE	DEMOED- HPO-L94-130	
91B	1948	Flammable Materials Storehouse	EVALUATED PRIOR TO DEMOLITION WITH SHPO	Flammable Materials Storehouse	DNE	DEMOED- HPO-L94-130	
91C	1948	Flammable Materials Storehouse	EVALUATED PRIOR TO DEMOLITION WITH SHPO	Flammable Materials Storehouse	DNE	DEMOED- HPO-L94-130	
91D	1948	Flammable Materials Storehouse	EVALUATED PRIOR TO DEMOLITION WITH SHPO	Flammable Materials Storehouse	DNE	DEMOED- HPO-L94-130	
91E	1948	Flammable Materials Storehouse	EVALUATED PRIOR TO DEMOLITION WITH SHPO	Flammable Materials Storehouse	DNE	DEMOED- HPO-L94-130	
91F	1948	Flammable Materials Storehouse	EVALUATED PRIOR TO DEMOLITION WITH SHPO	Flammable Materials Storehouse	DNE	DEMOED- HPO-L94-130	
91G	1948	Flammable Materials Storehouse	EVALUATED PRIOR TO DEMOLITION WITH SHPO	Flammable Materials Storehouse	DNE	DEMOED- HPO-L94-130	
91H	unknown	Flammable Materials Storehouse	N/A	N/A	NEV	DEMOED 1994 ACCORDING TO REAL PROP RECORDS	
91I	unknown	Flammable Materials Storehouse	N/A	N/A	NEV	DEMOED 1994 ACCORDING TO REAL PROP RECORDS	
91J	1966	Fire Hose House	N/A	N/A	NEV	DEMOED 1994 ACCORDING TO REAL PROP RECORDS	
97	1955	Sewage Pump Station	COMPLETED 2007	N/A	DNE	DEMOED JANUARY 1997 ACCORDING TO ISA RECORDS- TECUP PROGRAM	
101	1937	Residence	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (LC MJ)	DNE	DEMOED- HPO-B2006-72	
101A	1937	Garage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Garage	DNE	DEMOED- HPO-B2006-72	
104A	1942	Waiting Shelter	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Bus Shelter	DNE	RCI; Balfour Beatty; NOT FOUND DURING 2009 RP; IFS CORPS INSPECTION	
112B	1911	Pergola; Picnic Shelter	COMPLETED 2009	Pergola; Picnic Shelter	NREC	DEMOED SEPTEMBER 2013; DEMOED- HPO-A2013-035/Log #12-1477; RCI & BBC requested DEMO May 2012- dry rot and lead based paint	
113A	circa 1930s	Pergola; Picnic Shelter	COMPLETED 2009	Pergola; Picnic Shelter	NREC	DEMOED SEPTEMBER 2013; DEMOED- HPO-A2013-035/Log #12-1477; RCI & BBC requested DEMO May 2012- dry rot and lead based paint	

BLDG DEMO LIST

		INFORMATION DATA GAP				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS
115B; 116A	1942	Waiting Shelter	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Bus Shelter	DNE	116A- FELL APART AND DETERIORATED UPON 2006 RELOCATION
116B	1956	Guard Shelter	N/A	Sentry Station	NEV	DEMOED AS OF 1969 BLDG. LIST
118A	1941	Guard Shelter	N/A	Sentry Station	NEV	DEMOED PRIOR TO 1982-83 HABS
120A	1942	Detached Garage	EVALUATED 1982-83 HABS	Civilian Personnel Bldg	DNE	DEMOED SOMETIME AFTER 1982-83 HABS
121C	1972	Golf Course Bath House	N/A	Golf Course Bath House	NEV	DEMOED 2001 ACCORDING TO IFS DISPOSAL ARCHIVE
121D&E	1972	Outdoor Swim Pool	COMPLETED 2008	Outdoor Swim Pool	DNE	Under Golf Course and Filled
129	1948	Water Pump Station	N/A	N/A	NEV	DEMOED DECEMBER 1996 ACCORDING TO ISA RECORDS- TECUP PROGRAM
130	unknown	Water Pump Station	N/A	N/A	NEV	DEMOED AUGUST 1997 ACCORDING TO ISA RECORDS- TECUP PROGRAM
154	1943	Solvent Vault; Chemistry Lab	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Chemistry Lab	Non-Contributing Element of National Register Eligible District (NCE); DNE	DEMOED FALL 2013 AND BY NOVEMBER 2013; WITHIN HISTORIC DISTRICT BOUNDARY; DEMOED- HPO-L96-143; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
154A	1944	Inert Storehouse	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
154B	1930	High Explosives Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
154C	1944	High Explosives Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
154D	1930	High Explosives Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
154E	1944	Flammable Materials Storehouse	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
154F	1930	High Explosives Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
154G	1938	High Explosives Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
162A	1980	Sewage Lift Station	N/A	Sewage Lift Station	NEV	Demolished per RP records July 2003 per Mick Unick
162D	1950	Flammable Materials Storehouse	N/A	Storage	NEV	Demolished Sept 1980 according to renovation architectural drawings
162G	1938	High Explosives Magazine	N/A	Magazine	NEV	Demolished Sept 1980 according to renovation architectural drawings
162H	1915	Flammable Materials Storehouse	N/A	N/A	NEV	DEMOED 2000 ACCORDING TO REAL PROP RECORDS
162I	1941	Flammable Materials Storehouse	N/A	N/A	NEV	DEMOED 2000 ACCORDING TO REAL PROP RECORDS
162J	1944	Flammable Materials Storehouse	N/A	N/A	NEV	DEMOED 1987 ACCORDING TO REAL PROP RECORDS
162L	1921	Flammable Materials Storehouse	N/A	N/A	NEV	DEMOED 1987 ACCORDING TO REAL PROP RECORDS
164B	circa 1943	World War II Pay Station	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Lab	NCE; DNE	WITHIN HISTORIC DISTRICT BOUNDARY; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMOED MAY 2013
167	1930	High Explosives Preparation and Test Lab	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Chemistry Lab	NREC	Criterion A & C; Administration and Research Historic District; DEMOED DEC 2013; DEMO SHPO COMPLETE via DERP AMENDMENT & Signature- 10 March 11
169	1930	High Explosives Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
169A	1938	High Explosives Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
169B	1930	High Explosives Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
169C	1930	High Explosives Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
169D	1944	High Explosives Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
175	1942	Gen Purp Auditorium	EVALUATED 1982-83 HABS	Gen Purp Auditorium	LIMITED SIGNIFICANCE	DEMOLISHED IN THE 1980s DURING A FIRE
176A	1962	Ordnance Admin Bldg	N/A	Ordnance Admin Bldg	NEV	DEMOED PRIOR TO 1982-83 HABS
176B	1962	Ordnance Admin Bldg	N/A	Ordnance Admin Bldg	NEV	DEMOED PRIOR TO 1982-83 HABS
176C	1962	Public Toilet	N/A	Public Toilet	NEV	MOVED PRIOR TO 1982-83 HABS TO BLDG 80D LOCATION AT WATER TREATMENT FACILITY
176D	1962	Ordnance Admin Bldg	N/A	Ordnance Admin Bldg	NEV	DEMOED PRIOR TO 1982-83 HABS
178	1938	Service Magazine; Chemistry Lab; Physics Lab	EVALUATED 1982-83 HABS; COMPLETED 2007	Chemistry Lab	NCE; DNE	DEMOED FALL 2013 AND BY NOVEMBER 2013; WITHIN HISTORIC DISTRICT BOUNDARY; DEMO SHPO COMPLETE via DERP AMENDMENT & Signature- 10 March 11
178A	1938	Storage	N/A	Flammable Materials Storehouse	NEV	DEMOED PRIOR TO 1982-83 HABS
197	circa 1945	Lab and Test Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Lab	NREC	Criterion A & C; Administration and Research Historic District; DEMOED NOV-DEC 2013; DEMO SHPO COMPLETE via DERP AMENDMENT & Signature- 10 March 11
200D	1943	Bus Shelter	N/A	Waiting Shelter	NEV	CUT IN HALF IN 1973- BLDG 200 AND 115B
201	1918	Explosives Fuzes	N/A	Explosives Fuzes	NEV	DEMOED PRIOR TO 1982-83 HABS
201A	1941	Explosives Fuzes	N/A	Heater House	NEV	DEMOED PRIOR TO 1982-83 HABS
201B	1942	Gen Purp Warehouse	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS

BLDG DEMO LIST

		INFORMATION DATA GAP					
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS	
201C	1941	Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS	
201D	1941	Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS	
202	1918	Explosives Fuzes	N/A	Operating	NEV	DEMOED PRIOR TO 1982-83 HABS	
202A	1948	Gen Purp Warehouse	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS	
202B	1941	Flammable Materials Storehouse	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS	
202C	1941	Explosives Fuzes	N/A	Operating	NEV	DEMOED PRIOR TO 1982-83 HABS	
202D	1943	Storage	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS	
203	1918	Explosives Fuzes	N/A	N/A	NEV	DEMOED 1983 ACCORDING TO REAL PROP RECORDS	
203A	1942	Storage	N/A	N/A	NEV	DEMOED 1983 ACCORDING TO REAL PROP RECORDS	
203B	1948	Magazine	N/A	N/A	NEV	DEMOED 1983 ACCORDING TO REAL PROP RECORDS	
203C	1938	Magazine	N/A	N/A	NEV	DEMOED 1983 ACCORDING TO REAL PROP RECORDS	
204	1918	Explosives Fuzes	N/A	N/A	NEV	DEMOED 1983 ACCORDING TO REAL PROP RECORDS	
204A	1948	Storage	N/A	N/A	NEV	DEMOED 1983 ACCORDING TO REAL PROP RECORDS	
205	1918	Explosives Fuzes	N/A	Dry House	NEV	DEMOED PRIOR TO 1982-83 HABS	
206	1934	Explosives Fuzes	N/A	Operating	NEV	DEMOED PRIOR TO 1982-83 HABS	
207	1933	Explosives Fuzes	N/A	Operating	NEV	DEMOED PRIOR TO 1982-83 HABS	
207A	1933	Explosives Fuzes	N/A	Operating	NEV	DEMOED PRIOR TO 1982-83 HABS	
208	1941	Change House	N/A	Change House	NEV	DEMOED PRIOR TO 1982-83 HABS	
210	1918	Ordnance Facility; Major Caliber Projectile Loading Plant	EVALUATED 1982-83 HABS; COMPLETED 2007	Vacant; Derelict	DNE	DEMOED SEPT-OCT 2013; DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED- HPO-A2004-94; DEMOED- HPO-D2009-211 PROD	
210A	1931	Major Caliber Projectile Loading Plant	N/A	Dry House	NEV	DEMOED PRIOR TO 1982-83 HABS	
210B	1920	Major Caliber Projectile Loading Plant	N/A	Dry House	NEV	DEMOED PRIOR TO 1982-83 HABS	
210C	1948	Major Caliber Projectile Loading Plant	N/A	Dry House	NEV	DEMOED PRIOR TO 1982-83 HABS	
210D	1938	Ready Magazine	N/A	Seasoning House	NEV	DEMOED PRIOR TO 1982-83 HABS	
210E	1956	Ready Magazine	EVALUATED 1982-83 HABS; COMPLETED 2007	Vacant; Derelict	DNE; ELPA	DEMOED SUMMER 2011; DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED- HPO-D2009-211 PROD	
210F	1938	Ready Magazine	EVALUATED 1982-83 HABS	Magazine	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
213	1916	Fuze Testing and Loading	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	DEMOED- HPO-L96-143; HPO-B2006-136	
213A	1938	Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS	
215	1956	Cast High Explosives Filling Plant; Ordnance Facility	COMPLETED 2007	N/A	DNE	DEMOED- HPO-I2004-95; HPO-B2006-136; HPO-D2009-211 PROD	
215A	1966	Gen Storehouse	COMPLETED 2007	N/A	DNE	DEMOED- HPO-C2005-147; HPO-B2006-136	
216	1941	Change House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Admin Bldg Research & Development	DNE	DEMOED- HPO-B2006-136	
218	1947	Ordnance Facility	N/A	N/A	NEV	DEMOED 1983 ACCORDING TO REAL PROP RECORDS	
218A	1944	Motor and Blower Bldg	N/A	Fan House	NEV	DEMOED PRIOR TO 1982-83 HABS	
220	1918	Air Conditioning Plant	N/A	Equip Bldg	NEV	DEMOED PRIOR TO 1982-83 HABS	
220B	1956	Guard Shelter	N/A	Sentry Station	NEV	DEMOED PRIOR TO 1982-83 HABS	
221A	1959	Gen Storehouse	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION	
222	1957	Waiting Shelter	COMPLETED 2009	N/A	DNE	DEMOED BETWEEN 1984 AND 1994	
232F	1954	Wood Barricade	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION	
233	1957	High Explosives Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS	
241A	1923	Storage	N/A	Inert Storage	NEV	DEMOED PRIOR TO 1982-83 HABS	
241B	1938	Flammable Materials Storehouse	N/A	Flammable Materials Storehouse	NEV	DEMOED PRIOR TO 1982-83 HABS	
241E	1919	Storage	EVALUATED 1982-83 HABS	Storage	LIMITED SIGNIFICANCE	DEMOED BETWEEN 1984 AND 1994	
241F	1918	Magazine	N/A	Gen Purp Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS	
242C	unknown	Unknown	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION	
252A	1942	Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Flammable Materials Storehouse	DNE	DEMOED- HPO-L96-143	
252B	1948	Storage	N/A	Inert Storage	NEV	DEMOED PRIOR TO 1982-83 HABS	
252D	1943	Tetryl Service Magazine	N/A	Ready Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS	
252E	1931	Storage	N/A	Inert Storage	NEV	DEMOED PRIOR TO 1982-83 HABS	

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BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS
252F	1943	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ready Magazine	DNE; ELPA	
256A	1920	Smoke Drum Storehouse	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
256B	1938	Smoke Drum Storehouse	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
256C	1938	Flammable Materials Storehouse	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS
256D	1938	Smoke Drum Storehouse	EVALUATED 1982-83 HABS	Magazine	NREC- PRIOR PICATINNY HISTORIC DISTRICT- MOA; ADVERSE EFFECT DETERMINATION	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
256E	1960	Guard Shelter	N/A	Sentry Station	NEV	DEMOED PRIOR TO 1982-83 HABS
256F	1942	Flammable Materials Storehouse	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS
256G	1960	40mm Loading Plant	N/A	Vacuum Equip	NEV	DEMOED PRIOR TO 1982-83 HABS
257	1941	Change House	EVALUATED 1982-83 HABS	Change House	LIMITED SIGNIFICANCE	DEMOED PRIOR TO 1982-83 HABS
266B	1948	Flammable Materials Storehouse	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS
268	1941	Primary Explosives; Detonator Painting	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	ASSUMED DEMO ACCORDING TO ISA; TECUP PROGRAM
268A	1941	Ready Magazine	EVALUATED 1982-83 HABS	Magazine	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED JUNE 1995
268B	1948	Ready Magazine	N/A	N/A	NEV	ASSUMED DEMO ACCORDING TO ISA; TECUP PROGRAM
268C	unknown	Ready Magazine	N/A	N/A	NEV	ASSUMED DEMO ACCORDING TO ISA; TECUP PROGRAM
269	1941	Major Caliber Projectile Loading Plant	EVALUATED 1982-83 HABS	Operating	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
269A	1948	Magazine	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS
269B	1941	Magazine	EVALUATED 1982-83 HABS	Ready Magazine	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
269C	1941	Magazine	EVALUATED 1982-83 HABS	Blending Unit	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
269D	1941	Magazine	EVALUATED 1982-83 HABS	Gen Purp Magazine	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
271	1905	Operating	EVALUATED 1982-83 HABS	Detonator Loading Bldg	NREC- PRIOR PICATINNY HISTORIC DISTRICT- MOA; ADVERSE EFFECT DETERMINATION	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED DECEMBER 1997
271A	1941	Major Caliber Projectile Loading Plant	EVALUATED 1982-83 HABS	Operating	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED JUNE 1997
271C	1924	Magazine	EVALUATED 1982-83 HABS	Storage	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED JUNE 1997
271D	1920	Major Caliber Projectile Loading Plant	EVALUATED 1982-83 HABS	Air Compressor House	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED JUNE 1997
271E	1941	Major Caliber Projectile Loading Plant	EVALUATED 1982-83 HABS	Heater House	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED JULY 1997
271F	1943	Field Office	EVALUATED 1982-83 HABS	Field Office	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED NOVEMBER 1996
271G	1941	Magazine	EVALUATED 1982-83 HABS	Lead Azide Magazine	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED MAY 1998
271H	1942	Major Caliber Projectile Loading Plant	EVALUATED 1982-83 HABS	Lead Azide Operating	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
271I	1941	Major Caliber Projectile Loading Plant	EVALUATED 1982-83 HABS	Lead Azide Primer Operating	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED AUGUST 1996
271J	1941	Major Caliber Projectile Loading Plant	EVALUATED 1982-83 HABS	Dry House	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED MARCH 1998
271K	1941	Major Caliber Projectile Loading Plant	EVALUATED 1982-83 HABS	Heater House	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED JULY 1997
271L	1941	Major Caliber Projectile Loading Plant	EVALUATED 1982-83 HABS	Dry House	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED MAY 1997
271M	1948	Major Caliber Projectile Loading Plant	N/A	N/A	NEV	ASSUMED DEMO ACCORDING TO ISA; TECUP PROGRAM
271N	1948	Major Caliber Projectile Loading Plant	N/A	N/A	NEV	ASSUMED DEMO ACCORDING TO ISA; TECUP PROGRAM

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BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS
271O	1918	Magazine	EVALUATED 1982-83 HABS	Magazine	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED FEBRUARY 1997
271P	1918	Magazine	EVALUATED 1982-83 HABS	Magazine	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
271R	1945	Magazine	N/A	N/A	NEV	ASSUMED DEMO ACCORDING TO ISA; TECUP PROGRAM
271S	1945	Magazine	EVALUATED 1982-83 HABS	Magazine	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED MAY 1997
276	1902	Major Caliber Projectile Loading Plant	EVALUATED 1982-83 HABS	Operating	NREC- PRIOR PICATINNY HISTORIC DISTRICT- MOA; ADVERSE EFFECT DETERMINATION	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
276A	1943	Storehouse	EVALUATED 1982-83 HABS	Inert Storage	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
276B	1938	Storage	EVALUATED 1982-83 HABS	Storage	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
276C	1938	Flammable Materials Storehouse	EVALUATED 1982-83 HABS	Storage	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
276D	1902	Storage	EVALUATED 1982-83 HABS	Storage	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
276F	1948	Major Caliber Projectile Loading Plant	N/A	N/A	NEV	ASSUMED DEMO ACCORDING TO ISA; TECUP PROGRAM
276G	1938	Magazine	EVALUATED 1982-83 HABS	Magazine	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
276H	1943	Magazine	EVALUATED 1982-83 HABS	Magazine	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
276J	1962	Major Caliber Projectile Loading Plant	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS
281A	1942	Gen Purp Magazine	EVALUATED 1982-83 HABS	Gen Purp Magazine	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; HPO-E94-61
281B	1943	Magazine	EVALUATED 1982-83 HABS	Magazine	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
281D	1955	Post Engineer Maintenance Shop	N/A	N/A	NEV	ASSUMED DEMO ACCORDING TO ISA; TECUP PROGRAM
282	1942	Black Powder Pelleting Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Office; Initiator and Detonator R&D Lab	DNE	DEMOED OCTOBER 2013; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
282B	1942	Fuze and Detonator Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	High Explosives Magazine	DNE; ELPA	DEMOED OCTOBER 2013; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
282C	1942	Fuze and Detonator Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	High Explosives Magazine	DNE; ELPA	DEMOED OCTOBER 2013; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
284	1942	Flammable Materials Storehouse	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS
290	1943	Sentry Station	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Sentry Station	DNE	DEMOED SUMMER 2011; DEMOED HPO-H2009-120
290A	1943	Traffic Signals	N/A	Traffic Signals	NEV	DEMOED SUMMER 2011
295	1941	Operating; Lead Azide Primer Mix; Blending and Pelleting Bldg; Composition 'K' Plant	EVALUATED 1982-83 HABS; COMPLETED 2007	Vacant; Derelict	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOLISHED OCT-NOV 2009; DEMOED- HPO-D2009-211 PROD
296	1941	Operating Bldg; Tracer Composition	EVALUATED 1982-83 HABS; COMPLETED 2007	Vacant; Derelict	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOLISHED OCT-NOV 2009; DEMOED- HPO-D2009-211 PROD
301B	1959	Storage	N/A	Post Engineer Storehouse	NEV	DEMOED PRIOR TO 1982-83 HABS
301C	1948	Post Engineer Storehouse	N/A	Post Engineer Storehouse	NEV	DEMOED PRIOR TO 1982-83 HABS
305A	1938	Water Pump Station	N/A	Water Pump Station	NEV	DEMOED PRIOR TO 1982-83 HABS
307C	1948	Post Engineer Maintanance Shop	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS
308	1922	Sewage Pump; Facility Engineering Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Sewage Pump; Facility Engineering Storehouse	DNE	DEMOED- HPO-L96-143
308A	1943	Sewage Pump	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Sewage Pump	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
311	1941	Gasoline Station	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gasoline Station	DNE	DEMOED- HPO-L96-143
314C	1943	Salvage and Surplus Property	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Storage	DNE	DEMOED- HPO-DS-96-1222; DEMOED SOMETIME AFTER 1999
317E	unknown	Unknown	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION

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		INFORMATION DATA GAP				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS
318D	1989	Loading Dock	N/A	Loading Dock	NEV	DEMOED 2010; Bldg DNE THROUGH SHPO CONCURRENCE VIA RPMP FRP PA SIGNED 17 MAY 2010- HPO-H2009-147
321A	unknown	Flammable Materials Storehouse	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
321B	unknown	Flammable Materials Storehouse	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
321D	1941	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	DEMOLISHED MARCH 2009; DEMOED- HPO-B2006-187
321F	1943	Storage	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
321H	1941	Storage	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
323A	1941	High Explosives Magazine	EVALUATED 1982-83 HABS	Magazine	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
323B	1941	High Explosives Magazine	N/A	N/A	NEV	ASSUMED DEMO ACCORDING TO ISA; TECUP PROGRAM
323C	1941	High Explosives Magazine	N/A	N/A	NEV	ASSUMED DEMO ACCORDING TO ISA; TECUP PROGRAM
324A	1943	Sodium Nitrate Storehouse; Ejector Station	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	NOT FOUND DURING 2009 RP; IFS CORPS INSPECTION
329A	1942	Magazine	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS
329B	1944	Magazine	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS
329C	1941	Magazine	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS
329D	1941	Magazine	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS
329E	1938	Magazine	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS
329F	1962	Sentry Station	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS
336	1950	Laundry	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS
338	1980	Recreation Bldg	N/A	N/A	NEV	DEMOED PER 2008 ISR UPDATE
350	1938	Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Engineering Admin Bldg	DNE	DEMOED- HPO-E2007-121
352	1939	Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	TV Studio; ADP; Engineering Admin	DNE	DEMOED- HPO-E2007-121
403B	1953	Drop Tower	EVALUATED PRIOR TO DEMOLITION WITH SHPO	Ordnance Facility	DNE	DEMOED- HPO-E2005-252
403C	1957	Flammable Materials Storage	EVALUATED PRIOR TO DEMOLITION WITH SHPO	Flammable Materials Storehouse	DNE	DEMOED- HPO-G94-182
404A	1938	High Explosives Magazine	EVALUATED 1982-83 HABS	High Explosives Magazine	DNE	DEMOED SOMETIME AFTER 1982-83 HABS
404B	1941	High Explosives Magazine	EVALUATED 1982-83 HABS	High Explosives Magazine	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
404C	1955	Flammable Materials Storehouse	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS
405A	1944	Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
405B	1944	Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
405C	1942	Magazine	EVALUATED 1982-83 HABS	Magazine	DNE	DEMOED SOMETIME AFTER 1982-83 HABS
406	1960	Post Engineer Maintenance Shop	EVALUATED PRIOR TO DEMOLITION WITH SHPO	Post Engineer Maintenance Shop	DNE	DEMOED- HPO-E94-61
407B	1947	Chemistry Lab; Flammable Materials Storehouse; Plastics Specimens Storage	COMPLETED 2007	Storage	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION
407C	1943	Flammable Materials Storehouse	EVALUATED 1982-83 HABS	Magazine	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
407D	1943	Flammable Materials Storehouse	EVALUATED 1982-83 HABS	Magazine	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
407E	1943	Flammable Materials Storehouse	EVALUATED 1982-83 HABS	Magazine	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
408	1920	Nitrating Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Lab	DNE	DEMOED SEPT-OCT 2013L DEMOED- HPO-A2004-94
408A	1938	High Explosives Magazine	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS
408B	1938	Magazine	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS
408C	1938	Magazine	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS
408D	1920	Dry House	EVALUATED 1982-83 HABS	Dry House	LIMITED SIGNIFICANCE	DEMOED ACCORDING TO REAL PROP RECORDS
408E	1943	Magazine	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS
408F	1938	High Explosives Magazine	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS

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424A	1938	Magazine	EVALUATED 1982-83 HABS	Magazine	NREC- PRIOR PICATINNY HISTORIC DISTRICT- MOA; ADVERSE EFFECT DETERMINATION	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
424B	1938	Gen Purp Magazine	EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE	DEMOED- HPO-L96-143
424E	1943	Propellant Plant	EVALUATED 1982-83 HABS	Mix House	NREC- PRIOR PICATINNY HISTORIC DISTRICT- MOA; ADVERSE EFFECT DETERMINATION	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
427C	1921	Storage	EVALUATED 1982-83 HABS	Storage	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
430A	1943	Water Pump Station	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Well NP W; PS	DNE	DEMOED- HPO-E2007-130
435	1918	Propellant Plant	EVALUATED 1982-83 HABS	Pulverizing	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
437	1918	Gen Purp Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE	DEMOLISHED 2013; DEMO- HPO-L2007-23; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF
438	1942	Boat House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Boat House	DNE	DEMOLISHED ACCORDING TO SITE VISIT
439	1948	Change House	EVALUATED 1982-83 HABS	Change House	DNE	DEMOED SOMETIME AFTER 1982-83 HABS
445	1930	Pyrotechnic Lab	EVALUATED 1982-83 HABS; RE-EVALUATED 1994	Pyrotechnic Lab	DNE	DEMOED- HPO-F96-140; DEMOED APRIL 1998 ACCORDING TO ISA RECORDS- TECUP PROGRAM
445A	1918	Small Arms Pyrotechnic Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE	DEMOED ACCORDING TO ISA RECORDS- TECUP PROGRAM
445B	1948	Storage	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS
445C	1967	Air Conditioning Plant	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS IN 1998
445D	1930	Gen Storehouse	EVALUATED 1982-83 HABS	Storage	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED 1991 ACCORDING TO ISA RECORDS- TECUP PROGRAM
445E	1930	Storage	EVALUATED 1982-83 HABS	Storage	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED JUNE 1996 ACCORDING TO ISA RECORDS- TECUP PROGRAM
445G	unknown	Air Conditioning Plant	N/A	N/A	NEV	DEMOED MAY 1996 ACCORDING TO ISA RECORDS- TECUP PROGRAM
448	1930	Howitzer and Aliquot Bag Loading	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	DEMOED HPO-L2008-114; DEMOED OCT 2008 WITH ASSUMED SHPO CONCURRENCE; PHS&T (BRAC) FOOTPRINT; DEMOED- HPO-D2009-211 PROD; HPO-E2009-44
448A	1930	Ammunition Components Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Fixed Ammunition Magazine	DNE	DEMOED- HPO-L96-143
448B	1930	Rest House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED ACCORDING TO ISA RECORDS- TECUP PROGRAM
448C	1942	Weighing and Mixing	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	DEMOED- HPO-L96-143
448D	1930	Storage	EVALUATED 1982-83 HABS	Storage	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED DECEMBER 1997 ACCORDING TO ISA RECORDS- TECUP PROGRAM
452	1929	Gen Purp Magazine; Bag Charge Filling P1 Operations; Igniter Loading Bldg	EVALUATED 1982-83 HABS; COMPLETED 2007	Vacant; Derelict	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; HPO-A2004-94; DEMOLISHED SOMETIME AFTER 2002 ACCORDING TO AERIALS
452A	1930	Storage	EVALUATED 1982-83 HABS	Storage	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; ASSUMED DEMO WITH 452 AFTER 2004
452B	1930	Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE	DEMOED HPO-L2008-114; DEMOED OCT 2008 WITH ASSUMED SHPO CONCURRENCE; PHS&T (BRAC) FOOTPRINT; DEMOED- HPO-D2009-211 PROD; HPO-E2009-44
454	1941	Bag Charge Filling Plant	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	DEMOED- HPO-A2004-94
454A	1941	Magazine	EVALUATED 1982-83 HABS	Gen Purp Magazine	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED JULY 1995 ACCORDING TO ISA RECORDS- TECUP PROGRAM
456B	1941	Sentry Station	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Sentry Station	DNE	DEMOED PER 2007 SITE VISIT

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BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS
457	1941	Propellant Plant	EVALUATED 1982-83 HABS	Blender & Mixer Bldg	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
457A	1944	Flammable Materials Storehouse	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
457B	1942	Magazine	EVALUATED 1982-83 HABS	Magazine	DNE	DEMOED SOMETIME AFTER 1982-83 HABS
472B	1947	Post Engineering Facility	EVALUATED 1982-83 HABS	Hand Car Storage	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
477C	1954	Storage	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS
477D	1945	Gen Storehouse	N/A	Nickel Powder Plant	NEV	DEMOED PRIOR TO 1982-83 HABS
477E	1945	Magazine	EVALUATED 1982-83 HABS; COMPLETED 2007	N/A	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED ACCORDING TO PANAMERICAN RE-EVALUATION
497	1956	Propellant Plant	N/A	Mix House	NEV	DEMOED PRIOR TO 1982-83 HABS
505	circa 1922 (map)	Coal Crusher House; Trestle	N/A	Coal Crusher House; Trestle	NEV	DEMOED PRIOR TO 1982-83 HABS
506	1906	Power House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Power House	DNE	DEMOED- HPO-L2007-23; INTERIOR DEMO STARTED DEC 2008, EXTERIOR STARTED MID FEB 2009- COMPLETED APRIL 2009; SAVED COAL BINS AND RAIL- @ 3128- FOR POTENTIAL MONUMENT
506C	1957	Scale House	N/A	Coal Car Heater	NEV	DEMOED PRIOR TO 1982-83 HABS
506D	1967	Coal Car Heater	N/A	Coal Sample Bldg	NEV	DISPOSAL REQUESTED 1997
506N	circa 1980s (map)	Attached to 506D	N/A	Attached to 506D	NEV	ASSUMED DISPOSAL WITH 506D
507A	1941	Change House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Spare Parts Storage	DNE	DEMOLISHED 2013; DEMO SHPO COMPLETE per 2nd DERP AMENDMENT TO RPMP FRP PA
507B	1942	Equip Inspection Office; Offices	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Spare Parts Storage	DNE	DEMOLISHED 2013; DEMO SHPO COMPLETE per 2nd DERP AMENDMENT TO RPMP FRP PA
509	1930	Cotton Storehouse	EVALUATED 1982-83 HABS	Inert Storage	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
509A	1942	Gen Storehouse	EVALUATED 1982-83 HABS	Tool Room	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
509B	1948	Post Engineering Facility	N/A	N/A	NEV	ASSUMED DEMO PLANNED ACCORDING TO TECUP MOA- 1985; ASSUMED DEMOED SOMETIME AFTER 1985
510	1930	Cotton Storehouse	EVALUATED 1982-83 HABS	Storage	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED JUNE 1998 ACCORDING TO ISA RECORDS- TECUP PROGRAM
511	1918	Propellant Plant	EVALUATED 1982-83 HABS	Nitrating	NREC- PRIOR PICATINNY HISTORIC DISTRICT- MOA; ADVERSE EFFECT DETERMINATION	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
512	1973	Change House	EVALUATED PRIOR TO DEMOLITION WITH SHPO	Heat Fuel ABV	DNE	DEMOED HPO-K2007-75
512A	1973	Heat Fuel ABV	EVALUATED PRIOR TO DEMOLITION WITH SHPO	Heat Fuel ABV	DNE	DEMOED HPO-K2007-75
512B	1973	Fuel; Petroleum Bldg	N/A	N/A	NEV	DEMOED SEPTEMBER 1995 ACCORDING TO ISA RECORDS- TECUP PROGRAM
512C	1973	Heat Fuel ABV	EVALUATED PRIOR TO DEMOLITION WITH SHPO	Heat Fuel ABV	DNE	DEMOED HPO-K2007-75
519	1908	Propellant Plant	EVALUATED 1982-83 HABS	Ether and Alcohol Storage	NREC- PRIOR PICATINNY HISTORIC DISTRICT- MOA; ADVERSE EFFECT DETERMINATION	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED FEBRUARY 1996 ACCORDING TO ISA RECORDS- TECUP PROGRAM
519A	1941	Ether and Alcohol Storage Tanks	EVALUATED 1982-83 HABS	Ether and Alcohol Storage Tanks	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
520	1943	Propellant Plant	EVALUATED 1982-83 HABS	Poaching House	NREC- PRIOR PICATINNY HISTORIC DISTRICT- MOA; ADVERSE EFFECT DETERMINATION	ASSUMED DEMO ACCORDING TO ISA; TECUP PROGRAM
520B	1922	Propellant Plant	EVALUATED 1982-83 HABS	Rest House	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
521	1909	Propellant Plant	EVALUATED 1982-83 HABS	Ether Vault	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED MAY 1996 ACCORDING TO ISA RECORDS- TECUP PROGRAM
523	1938	Propellant Plant	EVALUATED 1982-83 HABS	Refrigeration	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985

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		INFORMATION DATA GAP				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS
525	1930	Control Lab; Change House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Electronic Equip Facility	DNE	DEMOED SUMMER 2011; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
527	1929	Propellant Plant	EVALUATED 1982-83 HABS	Nitro-Cellulose Powder Production Bldg	NREC- PRIOR PICATINNY HISTORIC DISTRICT- MOA; ADVERSE EFFECT DETERMINATION	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
527A	1942	Water Pump House	EVALUATED 1982-83 HABS	Water Pump House	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
533	1941	Propellant Plant	EVALUATED 1982-83 HABS	Solvent Recovery	NREC- PRIOR PICATINNY HISTORIC DISTRICT- MOA; ADVERSE EFFECT DETERMINATION	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
534	1930	Propellant Plant	EVALUATED 1982-83 HABS	D.B. Powder Factory	NREC- PRIOR PICATINNY HISTORIC DISTRICT- MOA; ADVERSE EFFECT DETERMINATION	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
535	1910	Propellant Plant	EVALUATED 1982-83 HABS	Recovered Solvent Storage	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
537	1918	Dry House	EVALUATED 1982-83 HABS	Inert Storage	NREC- PRIOR PICATINNY HISTORIC DISTRICT- MOA; ADVERSE EFFECT DETERMINATION	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED DECEMBER 1995 ACCORDING TO ISA RECORDS- TECUP PROGRAM
537A	1938	Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Flammable Materials Storehouse	DNE	DEMOED- HPO-L96-143; DEMOED NOVEMBER 1997 ACCORDING TO ISA RECORDS- TECUP PROGRAM
538	1930	Grapiting and Sorting House	EVALUATED 1982-83 HABS	Inert Storage	NREC- PRIOR PICATINNY HISTORIC DISTRICT- MOA; ADVERSE EFFECT DETERMINATION	DEMOED ACCORDING TO REAL PROP RECORDS
539	1930	Propellant Plant	EVALUATED 1982-83 HABS	Small Arms Blender	NREC- PRIOR PICATINNY HISTORIC DISTRICT- MOA; ADVERSE EFFECT DETERMINATION	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
540	1942	Loading; Unloading Dock and Ramp	EVALUATED 1982-83 HABS; COMPLETED 2007	Loading; Unloading Dock and Ramp	DNE	DEMOED MARCH 1996 ACCORDING TO ISA RECORDS- TECUP PROGRAM; DEMOED ACCORDING TO PANAMERICAN RE-EVALUATION
541	1943	Propellant Plant	EVALUATED 1982-83 HABS	Water Dry House	NREC- PRIOR PICATINNY HISTORIC DISTRICT- MOA; ADVERSE EFFECT DETERMINATION	DEMOED SOMETIME AFTER 1982-83 HABS
542	1942	Dry House	EVALUATED 1982-83 HABS	Dry House	NREC- PRIOR PICATINNY HISTORIC DISTRICT- MOA; ADVERSE EFFECT DETERMINATION	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED BETWEEN 1988-89 ACCORDING TO DPW RECORDS
542A	1942	Unloading Platform	EVALUATED 1982-83 HABS	Loading; Unloading Dock and Ramp	LIMITED SIGNIFICANCE	DEMOED BETWEEN 1988-89 ACCORDING TO DPW RECORDS
542B	1930	Change House	EVALUATED 1994; COMPLETED 1999	Change House	DNE	DEMOED- HPO-L96-143
542BX	1956	Septic Tank Drain Field	N/A	N/A	NEV	NOT FOUND DURING 2009 RP; IFS CORPS INSPECTION
542C	1948	Loading; Unloading Dock and Ramp	N/A	Loading; Unloading Dock and Ramp	NEV	DEMOED PRIOR TO 1982-83 HABS
543	1956	Propellant Plant	N/A	Reblend Screening Bldg	NEV	DEMOED PRIOR TO 1982-83 HABS
544	1956	Propellant Plant	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS
545	1928	Propellant Plant	EVALUATED 1982-83 HABS	Packing Magazine	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
550	1918	Storage	EVALUATED 1982-83 HABS	Magazine	NEV	DEMOED BETWEEN 1984 AND 1994
550A	1921	Air Raid Shelter	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Air Raid Shelter	DNE	DEMOED- HPO-L96-143
551	1938	Storage	EVALUATED 1982-83 HABS	Service Magazine (Inert Storage)	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
553	1942	Flammable Materials Storehouse	EVALUATED 1982-83 HABS	Ether and Alcohol Mixed Solvent Tanks	NREC- PRIOR PICATINNY HISTORIC DISTRICT- MOA; ADVERSE EFFECT DETERMINATION	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
554	1930	Dry House	EVALUATED 1982-83 HABS	Rework Powder Grinding House	NREC- PRIOR PICATINNY HISTORIC DISTRICT- MOA; ADVERSE EFFECT DETERMINATION	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985

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		INFORMATION DATA GAP				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS
555	1930	Propellant Plant	EVALUATED 1982-83 HABS	Air Dry	NREC- PRIOR PICATINNY HISTORIC DISTRICT- MOA; ADVERSE EFFECT DETERMINATION	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
556	1931	Propellant Plant	EVALUATED 1982-83 HABS	Dry House	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
556A	1948	Propellant Plant	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS
556B	1944	Propellant Plant	EVALUATED 1982-83 HABS	Fan House	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
557	1947	Propellant Plant	N/A	DB Coating, Glazing, Blending	NEV	DEMOED PRIOR TO 1982-83 HABS
558	1956	Propellant Plant	N/A	Dry House	NEV	DEMOED PRIOR TO 1982-83 HABS
560	1956	Propellant Plant	N/A	Lag Shed	NEV	DEMOED PRIOR TO 1982-83 HABS
561	1931	Propellant Plant	EVALUATED 1982-83 HABS	Propellant Plant	NREC- PRIOR PICATINNY HISTORIC DISTRICT- MOA; ADVERSE EFFECT DETERMINATION	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
561A	1931	Personal Shelter	EVALUATED 1982-83 HABS	Fire Shelter	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
562	1956	Rest House	N/A	Transfer Bldg	NEV	DEMOED PRIOR TO 1982-83 HABS
563	1956	Blending, Glazing, and Screening Facility	N/A	Glazing Bldg	NEV	DEMOED PRIOR TO 1982-83 HABS
564	1956	Propellant Plant	N/A	Stenciling Bldg	NEV	DEMOED PRIOR TO 1982-83 HABS
565	1931	Propellant Plant	EVALUATED 1982-83 HABS	Pack House	NREC- PRIOR PICATINNY HISTORIC DISTRICT- MOA; ADVERSE EFFECT DETERMINATION	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
565A	1941	Propellant Plant	EVALUATED 1982-83 HABS	Fan House	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
565B	1938	Flammable Materials Storehouse	EVALUATED 1982-83 HABS	Service Magazine	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
565C	1931	Propellant Plant	EVALUATED 1982-83 HABS	Fire Shelter	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
565D	1948	Propellant Plant	EVALUATED 1982-83 HABS	Fire Shelter	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
568	1956	Propellant Plant	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS
577	1954	Propellant Plant	N/A	Sorting	NEV	DEMOED PRIOR TO 1982-83 HABS
584	1944	Unknown	COMPLETED 2007	Unknown	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION
600	1942	Change House	EVALUATED 1982-83 HABS	Change House	DNE	DEMOED ACCORDING TO ISA RECORDS- TECUP PROGRAM
601	1942	Testing Facility	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS
601A	1942	Ammunition Test Lab	N/A	Operating	NEV	DEMOED PRIOR TO 1982-83 HABS; Covered under 2007 Army Program Comment for Cold War Era Ammunition Production Facilities; Plants
601B	1949	Pyrotechnic Unit	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS
601C	1944	Pyrotechnic Unit	N/A	Operating	NEV	DEMOED PRIOR TO 1982-83 HABS
601D	1942	Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
602	1935	Major Caliber Projectile Loading Plant	EVALUATED 1982-83 HABS	Powder Blending	NREC- PRIOR PICATINNY HISTORIC DISTRICT- MOA; ADVERSE EFFECT DETERMINATION	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED APRIL 1996 ACCORDING TO ISA RECORDS- TECUP PROGRAM
602A	1938	Magazine	EVALUATED 1982-83 HABS	Magazine	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED JULY 1995 ACCORDING TO ISA RECORDS- TECUP PROGRAM
603	1941	Ordnance Facility; Black Powder Drying	EVALUATED 1982-83 HABS; COMPLETED 2007	N/A	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DISPOSAL PLANNED 1993 ACCORDING TO IFS; DEMOED ACCORDING TO PANAMERICAN RE-EVALUATION
603A	1941	Climate Control House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	DEMOED- HPO-L96-143
603D	1923	Storage	N/A	Gen Storehouse	NEV	DEMOED PRIOR TO 1982-83 HABS
603F	1923	Magazine	EVALUATED 1982-83 HABS; COMPLETED 2007	N/A	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED ACCORDING TO PANAMERICAN RE-EVALUATION
603G	1934	Major Caliber Projectile Loading Plant	N/A	Keg Opening	NEV	DEMOED PRIOR TO 1982-83 HABS
603H	1938	Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS

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		INFORMATION DATA GAP					
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS	
603I	1944	Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS	
603J	1970	Gen Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	DEMOED- HPO-L96-143	
604H	1963	Ordnance Facility	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION	
604I	circa 1963	Guard Shack	COMPLETED 1999	Guard Shack	NEC	DEMOED- HPO-B2007-86; relocated from previous location by 604E after 611 was built	
605	1924	Screening Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	DEMOED- HPO-L96-143	
606A	1980	Gen Purp Storage Shed	COMPLETED 2007	Vacant; Derelict	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION	
606B	1980	Gen Purp Storage Shed	COMPLETED 2007	Vacant; Derelict	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION	
608	1962	Electrical Equip Facility	N/A	Electrical Equip Facility	NEV	DEMOED PRIOR TO 1982-83 HABS	
612	1958	High Explosives Storage Magazine; Storage	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION	
617D	1928	Fuze and Detonator Magazine	EVALUATED 1982-83 HABS; COMPLETED 2008	Vacant; Derelict	NCE; DNE	WITHIN HISTORIC DISTRICT BOUNDARY; HABS PERFORMED 2009; HPO-H2010-089; SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMOED 2011 FOR 600 AREA WATERLINE PUMP BOOSTER HOUSE	
617E	1928	Flammable Materials Storehouse Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Vacant; Derelict	NREC	Criterion A & C; 600 Testing Area Historic District; HABS PERFORMED 2009; HPO-H2010-089; SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMOED 2011 FOR 600 AREA WATERLINE PUMP BOOSTER HOUSE	
618	1963	Ordnance Facility	N/A	Ordnance Facility	NEV	DEMOED PRIOR TO 1982-83 HABS	
623 & 623A	1929	Elevated Water Tank	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Elevated Water Tank	NCE; DNE	Tanks replaced in 1970, concrete foundation poured in 1929; WITHIN HISTORIC DISTRICT BOUNDARY; DEMOED May 2013	
623B	1942	Elevated Water Tank	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Elevated Water Tank	NCE; DNE	Tank replaced in 1970, concrete foundation poured in 1942; WITHIN HISTORIC DISTRICT BOUNDARY; DEMOED May 2013	
623C-E	1942	Elevated Water Tank	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Elevated Water Tank	NCE; DNE	poured in 1942; WITHIN HISTORIC DISTRICT BOUNDARY; DEMOED May 2013	
624	1958	Storage	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS	
625F	unknown	Unknown	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION	
626	1958	Test Stand	N/A	Test Stand	NEV	DEMOED PRIOR TO 1982-83 HABS	
626A	1954	Research Equip Storage	N/A	Research Equip Storage	NEV	DEMOED PRIOR TO 1982-83 HABS	
627A	1941	Ordnance Facility	EVALUATED 1982-83 HABS	Ordnance Facility	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
628	1958	High Explosives Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS	
631A	1962	Ordnance Facility	COMPLETED 2009	N/A	NEV	DEMOED ACCORDING TO 2009 EVALUATION	
632	1953	Propellant Conditioning; Magazine Service; Chemistry Lab; Loading Bldg; Constant Temperature Service Bldg	COMPLETED 2007	Vacant; Derelict	DNE	DEMOED JULY 2013; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10	
635	1943	Plate Shed Facility	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Storage Shed	DNE	DEMOED MARCH 2013 FOR NEW BEC; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10	
635A	1980	Ordnance Facility	N/A	Ordnance Facility	NEV	DEMOED MARCH 2013 FOR NEW BEC; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10	
636	1957	Gun Service; Ordnance Facility	COMPLETED 2007	Gun Service Bldg	DNE	DEMOED MARCH 2013 FOR NEW BEC; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10	
636A	1928	Flammable Materials Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Flammable Materials Storehouse	DNE	DEMOED MARCH 2013 FOR NEW BEC; DEMO- HPO-L2007-23	
636C	1985	Ordnance Facility	N/A	Ordnance Facility	NEV	DEMOED MARCH 2013 FOR NEW BEC; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10	
636D	2000	Storage Shed; Gen Purp Storage	N/A	Storage Shed; Gen Purp Storage	NEV	DEMOED MARCH 2013 FOR NEW BEC; DEMOED ACCORDING TO PANAMERICAN EVALUATION AS 636B- STILL EXISTS; DEMOED- HPO-D2009-211 PROD; HPO-E2009-44	
637	1953	Ordnance Facility; Observation	COMPLETED 2007	Ordnance Observation	DNE	DEMOED SUMMER 2011; DEMOED- HPO-D2009-211 PROD	
637A	1957	Emplacement Pad Ordnance Facility	COMPLETED 2007	Emplacement Pad	DNE	DEMOED MARCH 2013 FOR NEW BEC;	
638	1957	Slug Butt	COMPLETED 2008	Slug Butt	DNE	DEMOED MARCH 2013 FOR NEW BEC; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10	

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		INFORMATION DATA GAP				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS
639A	1965	Non-Potable Water Pumping Station	COMPLETED 2004	Non-Potable Water Pumping Station	DNE	DEMOED 2011 FOR 600 AREA WATERLINE PUMP HOUSE; SHPO COMPLETE via FINAL PA Signature- 17 May 10
640A	1957	Latrine	N/A	Public Toilet	NEV	DEMOED PRIOR TO 1982-83 HABS
641G	1965	Observation and Testing	COMPLETED 2004	Vacant; Derelict Ordnance Facility	DNE	DEMOLISHED April 2012; DEMO SHPO COMPLETE via DERP AMENDMENT & Signature- 10 March 11
642	1957	Electric Equip Facility Observation	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION
642A	1957	Latrine	COMPLETED 2007	Latrine	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION
642B	1945	Gun Turret	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Vacant; Derelict	DNE; ELPA	DEMOED ACCORDING TO SITE VISIT AND PER ISR 2007 UPDATE
642C	1970	Storage	COMPLETED 2004	Vacant; Derelict	DNE	DEMOED 2010; DEMOED- HPO-E2009-44
642D	1977	Storage Bldg	COMPLETED 2004	Vacant; Derelict	DNE	DEMOED 2009; DEMOED- HPO-E2009-44
642F	post 1970s	Open Storage Area	EVALUATED PRIOR TO DEMOLITION WITH SHPO	Open Storage Area	DNE	DETERIORATED OR DEMOED ACCORDING TO SITE VISIT; DEMOED- HPO-L2007-23
643	1957	High Explosive Magazine	COMPLETED 2007	High Explosives Magazine	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION
645	1952	Ordnance Facility, Barricade; Shaped Charge, Barricade; Instrumentation	COMPLETED 2007	N/A	DNE	DEMOED- HPO-I2006-40
645A	1962	Lab Test Bldg	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION
645B	circa 1980	Gen Purp Magazine	N/A	N/A	NEV	DEMOED ACCORDING TO IFS DISPOSAL ARCHIVE
647	1957	Electric Equip Facility	COMPLETED 2007	Electrical Equip Facility	DNE	DEMOED 2010; DEMOED- HPO-D2009-180, BRAC GUNS & WEAPONS TECH DATA FACILITY
648	1957	High Explosives Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
648A	1957	Latrine	N/A	Public Toilet	NEV	DEMOED PRIOR TO 1982-83 HABS
650A	1957	Latrine	N/A	Public Toilet	NEV	DEMOED PRIOR TO 1982-83 HABS
652A	1960	Ordnance Facility; Fuze Test Tunnels	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION; DEMOED- HPO-D2009-211 PROD
652B	circa 1960	Ordnance Facility; Fuze Test	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION; DEMOED- HPO-D2009-211 PROD
653	1963	Ordnance Facility; Firing Pad	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION
656	1980	Electric Equip Facility	N/A	N/A	NEV	DEMOED PER ISR 2007 UPDATE
657	1964	Gen Purp Warehouse	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION; DEMOED- HPO-D2009-211 PROD; HPO-E2009-44
658	1983	Lightning Detection System	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION
659	circa WWII	Gun Turret; Ordnance Facility	COMPLETED 2007	Vacant; Derelict Range Bldg	DNE	DEMOED SUMMER 2012; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
672	1956	Gen Storehouse	COMPLETED 2007	Vacant; Derelict	DNE	DEMOED 2010; DEMOED- HPO-E2009-44
674	1967	Water Tank	N/A	N/A	NEV	NOT FOUND DURING 2009 RP; IFS CORPS INSPECTION
709	1944	Storage	EVALUATED 1982-83 HABS	Storage	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
717D	1928	Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Chemistry Lab	DNE	DEMOED- HPO-L96-143; DISPOSAL PLANNED 2008
717F	1943	Gen Purp Magazine	EVALUATED 1982-83 HABS	Magazine	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
717G	1941	Gen Purp Magazine	EVALUATED 1982-83 HABS; COMPLETED 2007	Vacant; Derelict	DNE; ELPA	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; foundation remains DEMOED SUMMER 2011
717H	1938	Magazine	EVALUATED 1982-83 HABS	Magazine	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
717I	1943	Gen Purp Magazine	EVALUATED 1982-83 HABS; COMPLETED 2007	Unknown	DNE; ELPA	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED- HPO-D2009-211 PROD
717J	1917	Gen Purp Magazine	EVALUATED 1982-83 HABS; COMPLETED 2007	N/A	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; ; DEMOED ACCORDING TO PANAMERICAN EVALUATION; DEMOED- HPO-D2009-211 PROD
717K	1944	Magazine	EVALUATED 1982-83 HABS	Magazine	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
717L	1956	Gen Purp Magazine	COMPLETED 2007	N/A	DNE; ELPA	DEMOED ACCORDING TO PANAMERICAN EVALUATION; DEMOED- HPO-D2009-211 PROD; DEMOED ACCORDING TO RP RECORDS 2002

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		INFORMATION DATA GAP				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS
717M	unknown	Flammable Materials Storehouse	N/A	Flammable Materials Storehouse	NEV	DEMOED ACCORDING TO REAL PROP RECORDS
722	1920	Office and Testing Lab	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Physics Lab	DNE	DEMOED- HPO-A2004-94
732	1938	Pyrotechnic Pellet; Receiving; Packing and Shipping Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	DEMOED- HPO-A2004-94; DEMOED PER ISR 2007 UPDATE
732A	1942	Inert Storage Magazine; Pyrotechnics Mixing and Blending	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	DEMOED- HPO-L96-143; HPO-L2007-23; DEMOED 2010
732B	1938	Pyrotechnic Unit	EVALUATED 1982-83 HABS	Magazine	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED AUGUST 1995 ACCORDING TO ISA RECORDS- TECUP PROGRAM
732C	1942	Pyrotechnic Unit	EVALUATED 1982-83 HABS	Flammable Materials Storehouse	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED JANUARY 1997 ACCORDING TO ISA RECORDS- TECUP PROGRAM
732D	1944	Flammable Materials Storehouse	EVALUATED 1982-83 HABS	Storage	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED AUGUST 1995 ACCORDING TO ISA RECORDS- TECUP PROGRAM
732E	1938	Magazine	EVALUATED 1982-83 HABS; COMPLETED 2007	Small Arms Pyrotechnic Magazine	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED ACCORDING TO PANAMERICAN RE-EVALUATION
732F	1942	Pyrotechnic Unit	EVALUATED 1982-83 HABS	Magazine	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED MARCH 1996 ACCORDING TO ISA RECORDS- TECUP PROGRAM
732G	1943	High Explosives Magazine	EVALUATED 1982-83 HABS	High Explosives Magazine	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED 1992 ACCORDING TO ISA RECORDS- TECUP PROGRAM
732H	1943	High Explosives Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	High Explosives Magazine	DNE	DEMOED- HPO-L96-143
732J	1949	Inert Storehouse	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED 1992 ACCORDING TO ISA RECORDS- TECUP PROGRAM
732K	1956	Magazine	N/A	N/A	NEV	ASSUMED DEMO ACCORDING TO ISA; TECUP PROGRAM
732L	1967	Air Conditioner	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS IN 1999
735	1943	Pyrotechnic Unit	EVALUATED 1982-83 HABS	Operating	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED OCTOBER 1996 ACCORDING TO ISA RECORDS- TECUP PROGRAM
735A	1949	Pyrotechnic Unit	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED 1992 ACCORDING TO ISA RECORDS- TECUP PROGRAM
802	1925	Gen Storehouse	EVALUATED 1982-83 HABS	Office & Operating	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
807A	1954	Storage	N/A	Rest House	NEV	DEMOED PRIOR TO 1982-83 HABS
807B	1941	Special Projects; Vacuum House	EVALUATED 1982-83 HABS; COMPLETED 2007	Vacuum House	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED ACCORDING TO PANAMERICAN 2007 RE-EVALUATION; DEMOED- HPO-D2009-211 PROD
807C	1958	Sentry Station	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION
813B	1931	Flammable Materials Storehouse	EVALUATED 1982-83 HABS	Storage	DNE	DEMOED ACCORDING TO REAL PROP RECORDS IN 1988
813C	1938	Magazine	EVALUATED 1982-83 HABS	Magazine	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED NOVEMBER 1997 ACCORDING TO ISA RECORDS- TECUP PROGRAM
813D	1948	Major Caliber Projectile Loading Plant; Vacuum Pump House	EVALUATED 1982-83 HABS; COMPLETED 2007	Ordnance Facility	DNE	DEMOED- HPO-I2006-40; DEMOED ACCORDING TO PANAMERICAN 2007 RE-EVALUATION; DEMOED- HPO-D2009-211 PROD
813E	1948	Magazine	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS
820A	1930	Flammable Materials Storehouse	EVALUATED 1982-83 HABS; COMPLETED 2007	N/A	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED ACCORDING TO PANAMERICAN RE-EVALUATION
820C	1941	Magazine	EVALUATED 1982-83 HABS	Storage	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED JANUARY 1998 ACCORDING TO ISA RECORDS- TECUP PROGRAM
822	1930	Gen Purp Magazine	EVALUATED 1982-83 HABS; COMPLETED 2007	Gen Purp Magazine	DNE	DEMOED ACCORDING TO PANAMERICAN 2007 RE-EVALUATION; DEMOED- HPO-D2009-211 PROD
823A	1944	Inert Storage Magazine	EVALUATED 1982-83 HABS	Storage	DNE	DEMOED ACCORDING TO REAL PROP RECORDS IN 1983
823B	1944	Flammable Materials Storehouse	EVALUATED 1982-83 HABS	Storage	DNE	DEMOED ACCORDING TO REAL PROP RECORDS IN 1983
823C	1966	Dust Collector	N/A	Dust Collector	NEV	DEMOED PRIOR TO 1982-83 HABS
901	1950	Surveillance Test Conditioning Chamber	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
901A	1952	Post Engineering Facility	N/A	Dynamite Bldg	NEV	DEMOED PRIOR TO 1982-83 HABS
903	1950	Gen Purp Lab; Surveillance Test; Conditioning Chamber	COMPLETED 2007	Lab and Test Bldg; General Purpose	DNE	DEMOED NOVEMBER 2013; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10

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		INFORMATION DATA GAP				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS
934A	1930	Latrine	N/A	Public Toilet	NEV	DEMOED PRIOR TO 1982-83 HABS
935	1941	Air Raid Shelter	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Air Raid Shelter	DNE	DEMOED- HPO-L96-143; HPO-L2007-23; DEMOLISHED OCT-NOV 2009
942	1918	Gen Purp Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Fuze and Detonator Magazine	DNE	DEMOED FALL 2011; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; Proposed for Demo; Replace per MCA Explosive Storage Magazine Project
945A	1938	Latrine	N/A	Public Toilet	NEV	DEMOED PRIOR TO 1982-83 HABS
948	1918	Gen Purp Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE	DEMOED SPRING 2012; Replace per MCA Explosive Storage Magazine Project
949	1918	Gen Purp Warehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Fixed Ammunition Magazine	DNE	DEMOED SPRING 2012; Replace per MCA Explosive Storage Magazine Project
950A	1938	Latrine	N/A	Public Toilet	NEV	DEMOED PRIOR TO 1982-83 HABS
975	1942	Bombardment Shelter	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Sup SVC Admin Bldg	DNE	DEMOED ACCORDING TO REAL PROP RECORDS SOMETIME AFTER 1999
975A	1950	Gen Storehouse	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS IN 1994
976	1956	Post Engineering Facility	N/A	Post Engineering Facility (Sand Hopper)	NEV	DEMOED PRIOR TO 1982-83 HABS
1010	1948	Propellant Plant	N/A	N/A	NEV	DEMOED EARLY 1990S ACCORDING TO REAL PROP RECORDS
1010A	1948	Storage	N/A	N/A	NEV	DEMOED EARLY 1990S ACCORDING TO REAL PROP RECORDS
1010B	1948	Propellant Plant	N/A	N/A	NEV	DEMOED EARLY 1990S ACCORDING TO REAL PROP RECORDS
1010C	1948	Propellant Plant	N/A	N/A	NEV	DEMOED EARLY 1990S ACCORDING TO REAL PROP RECORDS
1010D	1948	Concrete Sulvent Acid Storage Tanks	N/A	N/A	NEV	DEMOED EARLY 1990S ACCORDING TO REAL PROP RECORDS
1030	1952	Acid Storage Tanks	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS
1031	1952	TNT, TNA, and Nitration Processing Bldg	COMPLETED 2004	Vacant; Derelict Ordnance Facility	DNE	DEMOED LATE SUMMER 2013; DEMOED- HPO-A2004-94; HPO-L2007-23
1033	1952	Incorporation Bldg	EVALUATED PRIOR TO DEMOLITION WITH SHPO	Ordnance Facility	DNE	DEMOED ACCORDING TO SITE VISIT; DEMOED- HPO-D2009-211 PROD
1033A	1969	Incorporation Bldg	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION
1034	1953	Solvent Purification Bldg	N/A	Solvent Purification Bldg	NEV	DEMOED PRIOR TO 1982-83 HABS
1035	1956	Solvent Storage Tank	N/A	Solvent Storage Tank	NEV	DEMOED PRIOR TO 1982-83 HABS
1036	1956	Wash Water Tank Farm	N/A	Wash Water Tank Farm	NEV	DEMOED PRIOR TO 1982-83 HABS
1036A	1956	Storage	N/A	Gen Storehouse	NEV	DEMOED PRIOR TO 1982-83 HABS
1036B	1957	Pump House	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION
1037	1957	Vertical Incinerator; Waster Water Incinerator Experimental High Explosives Plant	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION
1037X	1957	Septic Tank Drain Field	N/A	N/A	NEV	NOT FOUND DURING 2009 RP; IFS CORPS INSPECTION
1038	1956	Flammable Materials Storehouse; Solvent Storage	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION
1039	1963	Propellant Plant	N/A	Propellant Plant	NEV	DEMOED PRIOR TO 1982-83 HABS
1050	1931	Operating	N/A	Acid Storage	NEV	DEMOED PRIOR TO 1982-83 HABS
1051	1940	Storage	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS
1052	unknown	Nitration Bldg	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS
1052A	1941	Rest House	EVALUATED 1982-83 HABS; COMPLETED 2007	N/A	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED ACCORDING TO PANAMERICAN RE-EVALUATION
1055	1931	Experimental	EVALUATED 1982-83 HABS	Crystallization	LIMITED SIGNIFICANCE	DEMOED SOMETIME AFTER 1982-83 HABS
1060	1931	Sample & Weigh House	N/A	Sample & Weigh House	NEV	DEMOED PRIOR TO 1982-83 HABS
1061	1941	Water Pump House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Water Pump	DNE	DEMOED September 2010; DEMOED- HPO-E2007-130
1062	1931	Storage	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS
1068	1952	Neutralizing House	N/A	Neutralizing House	NEV	DEMOED PRIOR TO 1982-83 HABS
1071	1942	Crystallization Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	DEMOED- HPO-L96-143; DEMO PER ISR 2007 UPDATE
1071A	1943	Mine Loading Plant	N/A	N/A	NEV	DEMOED AUGUST 1986 ACCORDING TO PANAMERICAN RESEARCH
1071B	1943	Mine Loading Plant	N/A	N/A	NEV	DEMOED AUGUST 1986 ACCORDING TO PANAMERICAN RESEARCH

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		INFORMATION DATA GAP				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS
1071C	1943	Flammable Materials Storehouse; Mine Loading Plant; Storehouse	EVALUATED 1982-83 HABS; COMPLETED 2007	N/A	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED ACCORDING TO PANAMERICAN RE-EVALUATION; DEMOED- HPO-D2009-211 PROD; HPO-E2009-44
1071D	1941	Dry House; Ordnance Facility	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Vacant; Derelict	DNE	DEMOED NOVEMBER 2013; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF
1071E	1941	Dry House	N/A	N/A	NEV	DEMOED AUGUST 1986 ACCORDING TO PANAMERICAN RESEARCH
1071F	1941	Dry House	N/A	Dry House	NEV	DEMOED PRIOR TO 1982-83 HABS
1071G	1941	Dry House	EVALUATED 1982-83 HABS; COMPLETED 2007	Ordnance Facility; Tetryl	LIMITED SIGNIFICANCE	DEMOED- HPO-D2009-211 PROD
1073	1948	Storage	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS
1074	1939	Poaching	N/A	Dry House	NEV	DEMOED PRIOR TO 1982-83 HABS
1077	1942	Screening	N/A	Screening	NEV	DEMOED PRIOR TO 1982-83 HABS
1077A	1942	Fan House	N/A	Fan House	NEV	DEMOED PRIOR TO 1982-83 HABS
1078	1942	Fan House	N/A	Fan House	NEV	DEMOED PRIOR TO 1982-83 HABS
1079	1942	Blender	N/A	Blender	NEV	DEMOED PRIOR TO 1982-83 HABS
1080	1942	Storage	EVALUATED 1982-83 HABS	Magazine	LIMITED SIGNIFICANCE	DEMOED SOMETIME AFTER 1982-83 HABS
1085	1948	Pump House	N/A	Pump House	NEV	DEMOED PRIOR TO 1982-83 HABS
1086	1948	Acid Storage Tanks	N/A	Acid Storage Tanks	NEV	DEMOED PRIOR TO 1982-83 HABS
1087	1948	Pump House	N/A	Pump House	NEV	DEMOED PRIOR TO 1982-83 HABS
1087A	1956	Acid Storage Tanks	N/A	Acid Storage Tanks	NEV	DEMOED PRIOR TO 1982-83 HABS
1096	1943	Sentry Station	COMPLETED 2007	N/A	DNE	DEMOED FEBRUARY 2007 ACCORDING TO PANAMERICAN RESEARCH
1101	1965	Recreation Bldg	COMPLETED 2007	Recreation Bldg	DNE	DEMOED- HPO-I2006-40
1101B	1963	Toilrt; Out-door Shower	COMPLETED 2007	Toilrt; Out-door Shower	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION
1104	circa 1920	Residence	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (NCO)	DNE	DEMOED- HPO-L96-143; HPO-H2000-26
1104A	circa 1920	Garage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Garage	DNE	DEMOED- HPO-H2000-26
1105	circa 1900	Residence	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (Col)	DNE	DEMOED- HPO-L96-143; HPO-H2000-26
1106	unknown	Detached Garage	EVALUATED 1982-83 HABS	Detached Garage	DNE	ASSUMED DEMOED IN 2000 WITH REMAINING 1100 SERIES BLDGS
1107	1924	Quarters	EVALUATED 1982-83 HABS	Quarters	LIMITED SIGNIFICANCE	ASSUMED DEMOED IN 2000 WITH REMAINING 1100 SERIES BLDGS
1108	1924	Detached Garage	EVALUATED 1982-83 HABS	Detached Garage	LIMITED SIGNIFICANCE	ASSUMED DEMOED IN 2000 WITH REMAINING 1100 SERIES BLDGS
1109	circa 1920	Residence	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters	DNE	DEMOED- HPO-H2000-26; HPO-A2004-94
1109A	1956	Detached Garage	EVALUATED 1982-83 HABS; COMPLETED 2007	Detached Garage	DNE	DEMOED- HPO-H2000-26
1111	1936	Residence	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (LC MJ)	DNE	DEMOED- HPO-H2000-26
1112	1936	Garage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Garage	DNE	DEMOED- HPO-H2000-26
1113	circa 1900	Residence	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (BOQ-Male)	DNE	DEMOED- HPO-L96-143; HPO-H2000-26
1114	1941	Garage	COMPLETED 2007	Garage	DNE	DEMOED- HPO-H2000-26; DEMOED DECEMBER 1998 ACCORDING TO PANAMERICAN RESEARCH WITH 16 OTHER GARAGES
1115	unknown	Quarters	N/A	N/A	NEV	ASSUMED DEMOED 2000 WITH REMAINING 1100 SERIES BLDGS
1116	circa 1930	Garage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Garage	DNE	DEMOED- HPO-H2000-26
1117	circa 1900	Residence	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (Col)	DNE	DEMOED- HPO-L96-143; HPO-H2000-26
1118	circa 1900	Residence	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (BOQ-Male)	DNE	DEMOED- HPO-L96-143; HPO-H2000-26
1120	circa 1930	Garage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Garage	DNE	DEMOED- HPO-H2000-26
1121	unknown	Quarters	N/A	N/A	NEV	ASSUMED DEMOED 2000 WITH REMAINING 1100 SERIES BLDGS

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		INFORMATION DATA GAP				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS
1123	circa 1890	Residence	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (LC MJ)	DNE	DEMOED- HPO-H2000-26
1124	circa 1920	Garage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Garage	DNE	DEMOED- HPO-H2000-26
1125	circa 1920	Residence	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (Col)	DNE	DEMOED- HPO-H2000-26; Stonewall Remnants Remain
1126	circa 1930	Garage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Garage	DNE	DEMOED- HPO-H2000-26; Stonewall Remnants Remain
1127	circa 1925	Residence	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (LC MJ)	DNE	DEMOED- HPO-H2000-26; Stonewall Remnants Remain
1128	1963	Latrine	N/A	N/A	NEV	ASSUMED DEMOED 2000 WITH REMAINING 1100 SERIES BLDGS
1129	1963	Latrine	N/A	N/A	NEV	ASSUMED DEMOED 2000 WITH REMAINING 1100 SERIES BLDGS
1130	circa 1890	Residence	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (LC MJ)	DNE	DEMOED- HPO-H2000-26
1131	unknown	Detached Garage	N/A	N/A	NEV	ASSUMED DEMOED 2000 WITH REMAINING 1100 SERIES BLDGS
1132	circa 1900	Residence	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (LC MJ)	DNE	DEMOED- HPO-H2000-26
1138	1918	Residence	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (LC MJ)	DNE	DEMOED- HPO-H2000-26; HPO-A2004-94
1139	1918	Garage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Garage	DNE	DEMOED- HPO-B2006-72
1140	1919	Residence	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Residence (CG WO)	DNE	DEMOED- HPO-H2000-26; HPO-A2004-94
1140A	1952	Garage	COMPLETED 2007	Garage	DNE	DEMOED- HPO-H2000-26; DEMOED- HPO-D2009-211 PROD
1141	1941	Garage	EVALUATED 1982-83 HABS; COMPLETED 2007	Garage	DNE	DEMOED- HPO-B2006-72
1142	1940	Residence	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (NCO)	DNE	DEMOED- HPO-H2000-26
1144	1903	Residence	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Residence (CG WO)	DNE	DEMOED- HPO-H2000-26; HPO-A2004-94
1144A	1942	Waiting Shelter	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Bus Shelter	DNE	DEMOED- HPO-L2006-161
1144B	1942	Storage Shed	N/A	Miscellaneous Shed	NEV	NOT FOUND DURING 2009 RP; IFS CORPS INSPECTION; ASSUMED DEMOED 2000 WITH REMAINING 1100 SERIES BLDGS
1145	circa 1920	Garage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Garage	DNE	DEMOED- HPO-H2000-26
1146	1938	Residence	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Residence (CG WO)	DNE	DEMOED- HPO-H2000-26
1147	circa 1900	Residence	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Residence (CG WO)	DNE	DEMOED- HPO-H2000-26
1148	circa 1900	Garage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Garage	DNE	DEMOED- HPO-H2000-26
1149	circa 1920	Residence	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (NCO)	DNE	DEMOED- HPO-H2000-26; HPO-A2004-94
1175	1978	Environmental Testing Facility	N/A	Environmental Testing Facility	NEV	DEMOED SUMMER 2012, NOT OF AGE FOR SHPO CONCERN
1178	1961	Change House	N/A	Vacant; Derelict	NEV	DEMOED 2011 via installation Safety cleanup; DEMOED ACCORDING TO PANAMERICAN EVALUATION- 2007 though still existed; SHPO COMPLETE via DERP AMENDMENT & Signature- 10 March 11; REAL PROPERTY DOCUMENTATION- MOVED FROM ORIGINAL LOCATION- TEMPORARY STRUCTURE- TRAILER ON WHEELS
1179A	1948	Latrine	N/A	Public Toilet	NEV	DEMOED PRIOR TO 1982-83 HABS
1179B	unknown	Magazine	EVALUATED 1982-83 HABS	Gen Purp Magazine	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
P1179	1968	Bridge, Pedestrian	N/A	Bridge, Pedestrian	NEV	REMOVED FROM BROOK IN WINTER 2011; deteriorated as observed 2010 ad basically demolished and no longer structurally intact

BLDG DEMO LIST

		INFORMATION DATA GAP				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS
1180	1945	Tower	COMPLETED 2009	Ordnance Facility ("Skeet Tower")	NEV	DEMOED August 2012; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
1181	1956	Recreation Center	COMPLETED 2007	Recreation Center; High House	DNE	DEMOED SUMMER 2012; DEMO SHPO COMPLETE via DERP AMENDMENT & Signature- 10 March 11
1187	1956	Recreation Bldg	COMPLETED 2007	Recreation Bldg	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION
1200	1944	Tool Storage; Field Office	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	BL & Band Facility	DNE	DEMOLISHED AS OF 2007 AERIAL, PRESENT IN 2002
1200A	1944	Car Blocker Shed	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Vehicle Storage	DNE	DEMOLISHED AS OF 2007 AERIAL, PRESENT IN 2002
P1201	1968	Bridge, Pedestrian	2013	Bridge, Pedestrian	NEV	removed for Lake Denmark Dam upgrade in 2011
1204B	1943	Latrine	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS
1207A	1944	Blocker & Banding Facility	N/A	Car Blocker Shed	NEV	DEMOED PRIOR TO 1982-83 HABS
1209A	1943	Latrine	N/A	Public Toilet	NEV	DEMOED PRIOR TO 1982-83 HABS
1210S	1966	Open Storage Area	EVALUATED PRIOR TO DEMOLITION WITH SHPO	Open Storage Area	DNE	DEMOED HPO-D2008-175
1212A	1938	Tool Storage	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS
1212S	1966	Open Storage Area	EVALUATED PRIOR TO DEMOLITION WITH SHPO	Open Storage Area	DNE	DEMOED HPO-D2008-175
1215	1956	Fixed Ammunition Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
1216	1948	High Explosives Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
1217A	1964	High Explosives Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
1221A	1954	Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 1982-83 HABS
1221B	1956	Destructor	N/A	Destructor	NEV	DEMOED PRIOR TO 1982-83 HABS
1221C	1938	Latrine	EVALUATED 1982-83 HABS	Public Toilet	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
1222A	1956	Storehouse	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION
1222B	1944	Public Toilet	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Public Toilet	DNE	DEMOLISHED OCT-NOV 2009; DEMOED- HPO-E2009-44
1222C	1944	Magazine	EVALUATED 1982-83 HABS	Magazine	DNE	DEMOED SOMETIME AFTER 1982-83 HABS
1222D	1944	Magazine	EVALUATED 1982-83 HABS	Magazine	NEV	DEMOED 1997 ACCORDING TO ISA RECORDS- TECUP PROGRAM
1222E	1954	Ordnance Facility	N/A	Control Bldg	NEV	DEMOED PRIOR TO 1982-83 HABS
1222F	1975	Ordnance Facility	N/A	N/A	NEV	FACILITY DESTROYED IN 2002 BY FALLEN TREE
1222G	1948	Ordnance Facility	N/A	Sight on Barricade	NEV	DEMOED PRIOR TO 1982-83 HABS
1226	1980	Playground	N/A	N/A	NEV	NOT FOUND DURING 2009 RP; IFS CORPS INSPECTION
1229A	1983	Recreational Facility	EVALUATED PRIOR TO DEMOLITION WITH SHPO	Recreational Facility	DNE	DEMOLISHED OCT-NOV 2009- Structure under 45-50 yrs of age. No Eligibility Assessment Needed; DEMOED- HPO-E2009-44
1301	1945	Mortar Powder Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	High Energy Propellant Formulation Facility	DNE	DEMOED ACCORDING TO REAL PROP RECORDS IN 2002
1302	1945	Gen Purp Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE	DEMOED ACCORDING TO REAL PROP RECORDS IN 2002; DEMOED- HPO-L2007-23
1303	1945	Office and Rest House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Admin	DNE	DEMOED ACCORDING TO REAL PROP RECORDS IN 2002; DEMOED- HPO-L2007-23
1304	1945	Propellant Plant; Fan House	EVALUATED 1982-83 HABS; COMPLETED 2007	N/A	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED ACCORDING TO PANAMERICAN RE-EVALUATION
1309	1945	Propellant Plant; Shipping Bldg	EVALUATED 1982-83 HABS; COMPLETED 2007	Vacant; Derelict	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
1310	1956	Air Storage Tank	COMPLETED 2007	Air Storage Tank	DNE	DEMOED SUMMER 2011; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
1311	1948	Unloading Platform	N/A	Loading; Unloading Dock and Ramp	NEV	DEMOED SOMETIME AFTER 1985
1312	1948	Storage	N/A	Gen Storehouse	NEV	DEMOED PRIOR TO 1982-83 HABS
1313	1948	Storage	N/A	Gen Storehouse	NEV	DEMOED PRIOR TO 1982-83 HABS
1350	1948	Propellant Plant; Blending	COMPLETED 2007	Propellant Plant; Blending	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION
1351	1948	Shipping and Receiving Bldg	COMPLETED 2004	Vacant; Derelict High Explosive Magazine	DNE; ELPA	DEMOED LATE SUMMER 2013; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF; EOD TECH. FACILITY

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		INFORMATION DATA GAP					
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS	
1352	1948	Propellant Plant; Blending; Paste Bldg; Nitroglycerine Plant	EVALUATED 1982-83 HABS; COMPLETED 2007	Blending Bldg	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985	
1352A	1948	Propellant Plant	EVALUATED 1982-83 HABS; COMPLETED 2008	Motor House	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED ACCORDING TO PANAMERICAN EVALUATION	
1354	1945	Dry; Seasoning House	COMPLETED 2004	Storage	DNE	DEMOED LATE SUMMER 2013; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF; EOD TECH. FACILITY	
1354A	1945	Fan House	COMPLETED 2004	Vacant; Derelict Ordnance Facility	DNE	DEMOED LATE SUMMER 2013; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF; EOD TECH. FACILITY	
1355	1948	Storage Tanks; Acid Loading Station	COMPLETED 2007	Storage Tanks; Acid Loading Station	DNE	DISPOSAL PLANNED AFTER 1991 ACCORDING TO IFS; DEMOED ACCORDING TO PANAMERICAN EVALUATION	
1357	1948	Dry; Seasoning House	COMPLETED 2004	Storage	DNE	DEMOED LATE SUMMER 2013; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF; EOD TECH. FACILITY	
1357A	1945	Fan House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 2004	Vacant; Derelict Ordnance Facility	DNE	DEMOED LATE SUMMER 2013; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF; EOD TECH. FACILITY	
1359	1948	Dry; Seasoning House	COMPLETED 2004	Storage	DNE	DEMOED LATE SUMMER 2013; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF; EOD TECH. FACILITY	
1359A	1945	Fan House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 2004	Vacant; Derelict Ordnance Facility	DNE	DEMOED LATE SUMMER 2013; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF; EOD TECH. FACILITY	
1359B	1947	Propellant Plant	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS	
1361	1948	Nitroglycerin Bldg	COMPLETED 2004	Vacant; Derelict Ordnance Facility	DNE	DEMOED AUGUST 2013; DEMOED- HPO-L2007-23	
1361A	1947	Propellant Plant	COMPLETED 2008	Catch Tank House	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION	
1362	1970	Ordnance Bldg	COMPLETED 2004	Vacant; Derelict Ordnance Facility	DNE	DEMOED LATE SUMMER 2013; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF; EOD TECH. FACILITY	
1363	1945	Nitroglycerin Neutralizing Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 2004	Neutralizing Bldg	DNE	DEMOED LATE SUMMER 2013; DEMOED- HPO-L96-143	
1363A	1945	Slum House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 2004	Ordnance Facility	DNE	DEMOED- HPO-L96-143	
1365	1945	Flammable Materials Storehouse	EVALUATED 1982-83 HABS	Storage	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
1366	1956	Propellant Plant; Refrigeration	EVALUATED 1982-83 HABS; COMPLETED 2007	N/A	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED ACCORDING TO PANAMERICAN RE-EVALUATION; DEMOED- HPO-D2009-211 PROD	
1367	1945	Propellant Plant	N/A	Nitrating	NEV	DEMOED PRIOR TO 1982-83 HABS	
1367A	1944	Propellant Plant	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS	
1367B	1948	Propellant Plant	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS	
1368	1945	Ordnance Facility; Propellant Plant; Weight House	EVALUATED 1982-83 HABS; COMPLETED 2007	N/A	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED ACCORDING TO PANAMERICAN RE-EVALUATION; DEMOED- HPO-D2009-211 PROD	
1369	1956	Ordnance Facility; Propellant Plant; Heater House	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION; DEMOED- HPO-D2009-211 PROD	
1370	1947	Gen Storage	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION; DEMOED- HPO-D2009-211 PROD; HPO-E2009-44	
1370A	1949	Air Tank	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION; DEMOED- HPO-D2009-211 PROD	
1373	1948	Nitroglycerin Weighing and Mixing House	COMPLETED 2004	Vacant; Derelict Ordnance Facility	DNE	DEMOED AUGUST 2013; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10	
1374	1948	Ordnance Facility; Propellant Plant; Nitroglycerine Blending Plant	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION; DEMOED- HPO-D2009-211 PROD	

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BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS
1375	1948	Flammable Materials Storehouse	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION; DEMOED-HPO-D2009-211 PROD
1377	1948	Propellant Production	COMPLETED 2004	Vacant; Derelict Ordnance Facility	DNE	DEMOED AUGUST 2013; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
1380	1949	Ordnance Facility; Propellant Plant; Weight House	COMPLETED 2007	Vacant; Derelict Ordnance Facility	DNE	DEMOED SEPTEMBER 2013; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
1381	1904	Reservoir Raw	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Reservoir Raw	DNE	DEMOED AROUND 2002 PER HISTORIC AERIALS AND REPLACED WITH NEW TANK
1382	1906	Reservoir Raw	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Reservoir Raw	DNE	DEMOED AROUND 2002 PER HISTORIC AERIALS AND REPLACED WITH NEW TANK
1382A	1948	Unknown	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION
1392	acquired 1957	Family Housing	EVALUATED 1982-83 HABS; COMPLETED 2007	N/A	DNE	DEMOED- HPO-H2000-26
1392A	acquired 1957	Garage	EVALUATED 1982-83 HABS; COMPLETED 2007	N/A	DNE	DEMOED- HPO-H2000-26
1393	acquired 1957	Family Housing	EVALUATED 1982-83 HABS; COMPLETED 2007	N/A	DNE	DEMOED- HPO-H2000-26
1393A	acquired 1957	Detached Garage	EVALUATED 1982-83 HABS; COMPLETED 2007	N/A	DNE	DEMOED- HPO-H2000-26
1398	circa 1920; acquired 1941	Residence	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (LC MJ)	DNE	DEMOED- HPO-H2000-26
1398A	acquired 1941	Detached Garage	EVALUATED 1982-83 HABS; COMPLETED 2007	N/A	DNE	DEMOED- HPO-H2000-26; DEMOED- HPO-D2009-211 PROD
1399	1943	Sentry Station	EVALUATED 1982-83 HABS	Guard Shack	DNE	
1400	1948	Rolled Powder Bldg	COMPLETED 2004	Rolled Powder Bldg	DNE	DEMOED LATE SUMMER 2013; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMO PER FRP FROM HEPFF
1401	circa 1950	Receiving Magazine	COMPLETED 2004	Receiving Magazine	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION
1402	1948	Roll Preparation Bldg	EVALUATED 1982-83 HABS; COMPLETED 2004	Roll Preparation Bldg	DNE	DEMOED LATE SUMMER 2013; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
1402A	1956	Propellant Plant	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED NOVEMBER 1996 ACCORDING TO ISA RECORDS- TECUP PROGRAM
1404	1948	Propellant Plant	N/A	Vacant; Derelict	NEV	
1405	1948	Heater House	COMPLETED 2004	Vacant; Derelict	DNE	DEMOED ACCORDING TO SITE VISIT
1408A	1948	High Explosives Magazine	COMPLETED 2004	Dry Chemical Storage	DNE; ELPA	DEMOED- HPO-A2004-94
1408C	1948	Rework Mix Bldg; Motor Shed	COMPLETED 2004	Mixing Bldg	DNE	DEMOED- HPO-A2004-94
1410	1948	Acetone Storage Tank Shed	COMPLETED 2007	Derelict Acetone Storage Tank Shed	DNE	DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
1411B	unknown- circa 1970s	Unknown	COMPLETED 2004	Ordnance Facility	DNE	2004- rebuilt in place for new HEPFF
1412	1948	Dry House	COMPLETED 2004	Storage	DNE	DEMOED- HPO-A2004-94; 2004- rebuilt in place for new HEPFF
1412A	1942	Dry (Fan) House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 2004	Ordnance Facility; Storage	DNE	DEMOED- HPO-A2004-94
1412B	1942	Ordnance Facility (Dry; Fan House)	N/A	N/A	NEV	ASSUMED DEMOED 2004 WITH REMAINING 1412 SERIES BLDGS
1412C	unknown	Unknown	N/A	N/A	NEV	DEMOED- HPO-A2004-94
1413	1948	Dry House	COMPLETED 2004	Storage	DNE	DEMOED- HPO-A2004-94
1414	1948	Propellant Plant	N/A	N/A	NEV	DEMOED NOVEMBER 1996 ACCORDING TO ISA RECORDS- TECUP PROGRAM
1414A	1942	Propellant Plant	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED OCTOBER 1996 ACCORDING TO ISA RECORDS- TECUP PROGRAM
1415	1948	Propellant Plant	N/A	N/A	NEV	DEMOED OCTOBER 1996 ACCORDING TO ISA RECORDS- TECUP PROGRAM
1416	1948	Trimming Bldg	COMPLETED 2004	Trimming Bldg	DNE	DEMOED- HPO-A2004-94; 2004- rebuilt in place for new HEPFF
1417	1948	Inspection and Packing Bldg	COMPLETED 2004	Inspection and Packing Bldg	DNE	DEMOED- HPO-A2004-94; 2004- rebuilt in place for new HEPFF
1417A	1948	Storage	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS
1418	1942	Storage and Shipping Bldg	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 2004	Ordnance Facility	DNE	DEMOED ACCORDING TO PANAMERICAN RE-EVALUATION

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INFORMATION DATA GAP						
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS
1419	1947	Propellant Plant	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS
1424	1956	Propellant Plant	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS
1425	1956	Inert Storehouse	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS; DEMOED- HPO-D2009-211 PROD
1426	1956	Propellant Plant	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS; DEMOED- HPO-D2009-211 PROD
1427	1957	Propellant Plant	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS
1428	1954	Propellant Plant	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS; DEMOED- HPO-D2009-211 PROD
1429	1956	Propellant Plant	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS; DEMOED- HPO-D2009-211 PROD
1430	1954	Deaerating Cast Powder Bldg	COMPLETED 2004 (AS PHOTO OF 1436)	Green Powder Operations; Inert Materials	DNE	DEMOED- HPO-D2009-211 PROD
1431	1954	Propellant Plant	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS; DEMOED- HPO-D2009-211 PROD
1432	1952	Propellant Plant	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS
1433	1952	Propellant Plant	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS
1434	1952	Propellant Plant	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS
1435	1954	Propellant Plant	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS; DEMOED- HPO-D2009-211 PROD
1460	1965	Cast High Explosives Filling Plant	N/A	Cast High Explosives Filling Plant	NEV	DEMOED PRIOR TO 1982-83 HABS
1500A	1948	Water Pump	N/A	Water Pump	NEV	DEMOED PRIOR TO 2007 RECORDATION OF AREA
1505G	1980	Storage Shed	2025	Storage Shed	NEV	REMOVED SEPT 2011; WITHIN HISTORIC DISTRICT BOUNDARY- CONSIDERED TEMPORARY STORAGE TRAILERS- NOT REAL PROPERTY- REMOVAL THEREFORE DOES NOT REQUIRE SHPO- RP #s SHOULDN'T OF BEEN ASSIGNED
1505H	1980	Storage Shed	2025	Storage Shed	NEV	
1505I	1980	Storage Shed	2025	Storage Shed	NEV	
1505J	1960	Inert Storehouse; Gen Purp Storage Shed	COMPLETED 2007	Storage; Truck Trailer	NCE; DNE	
1505K	FOUND ON POST	Inert Storehouse; Gen Purp Storage Shed	COMPLETED 2007	Storage; Truck Trailer	NCE; DNE	
1506A	1944	Magazine	N/A	Magazine	NEV	DEMOED PRIOR TO 2007 RECORDATION OF AREA
1507A	1947	Inert Storehouse	N/A	Magazine	NEV	DEMOED PRIOR TO 2007 RECORDATION OF AREA
1507B	1959	Inert Storehouse; Gen Purp Storehouse	COMPLETED 2007	Storage	NREC; ELPA	Criterion A & C; Rocket Test Area Historic District; DEMOED DEC '09 after severe wind deterioration from OCT '09 storm- SHPO consultation wrapped into RPMP FRP PA
1509B	1948	Pyrotechnic Testing; Ordnance Facility	N/A	Slug Butt; Barricades & Explosives	NEV	DEMOED AS OF 1969 BLDG. LIST
1509C	1958	Ordnance Facility	N/A	N/A	NEV	DEMOED AS OF 1969 BLDG. LIST
1509D	1965	Ordnance Facility	N/A	N/A	NEV	DEMOED AS OF 1969 BLDG. LIST
1509E	1966	Spin Test Facility; Ordnance Facility	N/A	N/A	NEV	DEMOED AS OF 1969 BLDG. LIST
1509F	1959	Ordnance Facility	N/A	N/A	NEV	DEMOED AS OF 1969 BLDG. LIST
1509G	1980	Inert Storehouse	N/A	Storage Shed; Gen Purp	NEV	DEMOED AS OF 1969 BLDG. LIST
1509H	1980	Inert Storehouse	N/A	Storage Shed; Gen Purp	NEV	DEMOED AS OF 1969 BLDG. LIST
1510	1950	Engineering Lab and Machine Shop	COMPLETED 2007	Pyrotechnic R&D Bldg	NREC	Criterion A & C; Rocket Test Area Historic District; HABS MOA SIGNED 29 SEPT 2008- HPO-I2008-266 PROD; DEMO- HPO-E2009-44; DEMO-HABS- HPO-2009-46
1510B	1948	Gen Storehouse Magazine	COMPLETED 2007	Gen Storehouse Magazine	NREC	Criterion A & C; Rocket Test Area Historic District; HABS MOA SIGNED 29 SEPT 2008- HPO-I2008-266 PROD; DEMO- HPO-E2009-44; DEMO-HABS- HPO-2009-46; prior Bldg 558A
1512B			N/A		NEV	DEMOED PRIOR TO 2007 RECORDATION OF AREA; present on 1512 CAD map
1516	1956	Steam Meter House	N/A	Steam Meter House	NEV	DEMOED PRIOR TO 2007 RECORDATION OF AREA
1600	1949	Test Chamber; Explosives Firing	COMPLETED 2004	Test Chamber	DNE	DEMOED- HPO-A2004-94
1601	1949	Test Chamber; Dark Room	COMPLETED 2004	Test Chamber	DNE	DEMOED FEBRUARY 2007 ACCORDING TO REAL PROP RECORDS
1602	circa 1949	Magazine	COMPLETED 2004	N/A	DNE; ELPA	DEMOED ACCORDING TO REAL PROP RECORDS
1604	1942	Pyrotechnics Assembly Plant	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	DEMOED- HPO-L96-143
1606	1949	Neutralizing	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS
1607	1947	Flammable Materials Storehouse	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS
1608	1947	Post Engineering Maintenance Shop	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS

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		INFORMATION DATA GAP					
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS	
1608A	1942	Flammable Materials Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Flammable Materials Storehouse	DNE		
1610A	1944	Sentry Station	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS	
1611	1957	Test Chamber; Explosives Firing	COMPLETED 2004	Test Chamber	DNE	DEMOED- HPO-A2004-94	
1612	1951	Preparation Bldg; Explosives Firing	COMPLETED 2004	Preparation Bldg	DNE	DEMOED- HPO-A2004-94	
1613	1954	High Explosives Magazine	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS	
1614	1947	Blending	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS	
1615	1941	Seasoning Facility; Screening	EVALUATED 1982-83 HABS; COMPLETED 2007	N/A	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED ACCORDING TO PANAMERICAN RE-EVALUATION	
1616	1942	Pyrotechnic Preparation	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ordnance Facility	DNE	DEMOED- HPO-L96-143	
1617	circa 1942	Dry House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	N/A	DNE	DEMOED- HPO-L96-143	
1618	1942	Gen Purp Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Magazine	DNE	DEMOED- HPO-L96-143	
1619	1942	Radiographic Lab	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Lab	DNE	DISPOSAL PLANNED 2001 ACCORDING TO IFS; DEMOED ACCORDING TO REAL PROP RECORDS	
1620	1955	Magazine	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS	
1621	1954	Curing	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS	
1622	1954	Operating	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS	
1622A	1955	Air Conditioning Equip Bldg	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS	
1623	1955	Storage	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS	
1624	1943	Sentry Station	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS	
1626	1949	Ordnance Facility	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS	
3000	1936	Post Engineering Maintenance Shop	N/A	Guard Shelter	NEV	DEMOED PRIOR TO 1982-83 HABS	
3001	1942	Ready Magazine	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS	
3004	1935	Fire Hose House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3011	1940	Tank Shed; Fuel Storage	EVALUATED 1982-83 HABS; COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN RE-EVALUATION	
3012	1905	Hydrant House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Hydrant House	DNE		
3014	1904; 1926	Filling House/ Ordnance Admin Bldg	N/A	Office	NEV	DEMOED PRIOR TO 1979	
3015	1918	Gen Storehouse	N/A	Locomotive House	NEV	DEMOED PRIOR TO 1982-83 HABS	
3016	1918	Locomotive House/ Ammunition Assembly Plant	N/A	N/A	NEV	DEMOED 1978 ACCORDING TO REAL PROP RECORDS	
3017	1951	Heat Plant Building	N/A	Pump House Condensate & Cistern	NEV	DEMOED PRIOR TO 1982-83 HABS	
3019	1905	Fire Hose House	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS	
3020	1905	Fire Hose House	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS	
3021	1928	Radiation Research Lab	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS	
3024	circa 1918	Pyrotechnic Storage	N/A	Pyrotechnic Storage	NEV	DEMOED OCTOBER 1996 ACCORDING TO ISA RECORDS- TECUP PROGRAM	
3025	1902	Lime House/ Admin Gen Purp	N/A	Electric Shop	NEV	DEMOED PRIOR TO 1982-83 HABS	
3026	1905	Fire Hose House	N/A	N/A	NEV	ASSUMED DEMOED BASED ON RECORDS OF OTHER HYDRANT HOUSE SERIES BLDGS	
3027	1937	Fire Hose House	N/A	N/A	NEV	ASSUMED DEMOED BASED ON RECORDS OF OTHER HYDRANT HOUSE SERIES BLDGS	
3029D	circa 1936	Storage Shed	COMPLETED 2009- see comments*	Storage Shed	NEV	IFS INPUT DURING 2009 PRE-AUDIT REVIEW, guesstimate age of construction by Real Property at 1992; structure is actually the remaining concrete piers and former remains of the sewage disposal plant surrounding and west of 3043- estimate construction early 1900s- completed 2009 with 3043	
3031	1937	Fire Hose House	EVALUATED 1982-83 HABS	Fire Hose House	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3034	1918	Fire Hose House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	

BLDG DEMO LIST

		INFORMATION DATA GAP					
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS	
3037	1918	Fire Hose House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3038	1918	Underground Storage Facility	EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE	Prior Navy Bldg 111; DEMOED SOMETIME AFTER 1999	
3041	1918	Underground Storage Facility	EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE	DEMOED 2013; Prior Navy Bldg 112; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10	
3043	1936	Sewage Pump House	EVALUATED 1982-83 HABS; COMPLETED 2009	Vacant; Derelict	DNE	Prior Navy Bldg 95; DEMO PLANNED ACCORDING TO TECUP MOA- 1985	
3044	1935	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3045	1918	Underground Storage Facility	EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE	Prior Navy Bldg 117; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10	
3046	1918	Hydrant House	EVALUATED 1982-83 HABS	Hydrant House	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3047	1918	Underground Storage Facility	EVALUATED 1994; COMPLETED 1999	Igloo Storage	DNE	Prior Navy Bldg 118; DEMOED SOMETIME AFTER 1999	
3048	1937	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3051	1934-38	Flagpole	COMPLETED 2009	N/A	DNE	REMOVED DURING THE 1990s WITH 1926 NAVY PERSONNEL MEMORIAL	
3052	1926	Wood Craft Shop	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Skill Development Center	DNE	Prior Navy Bldg 41; DEMOED August 2012; DEMO SHPO COMPLETE via DERP AMENDMENT & Signature- 10 March 11	
3053	1937	Hydrant House	N/A	N/A	NEV	DEMOED 1987 ACCORDING TO REAL PROP RECORDS	
3054	1951	Unknown	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION	
3058	1963	Unknown	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION	
3058S	unknown	Latrine	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS	
3100A	1964	Ordnance Facility	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS	
3100B	1966	High Explosives Magazine	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION	
3101	1935	Hydrant House	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS	
3102	1929	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3103	1937	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3104	1929	Hydrant House	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS	
3105	1937	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3107	1937	Hydrant House	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS	
3108	1937	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3109A	1989	Heat Plant Building	N/A	Heat Plant Building	NEV		
3110	1937	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3111A	1966	Service Magazine	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS	
3111B	unknown	Magazine	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS	
3112	1937	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3113	1937	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3116	1943	Stone-Faced Magazine	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Ready Magazine ("Sand Bags")	DNE; ELPA	Prior Navy Bldg 34; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; DEMOED MAY 2013	
3117	1965	Unknown	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION	
3118	1937	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3120	1942	Personnel Shelter	EVALUATED 1982-83 HABS	Storage	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3121	1937	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3123	1941	Sentry Station	N/A	Sentry Station	NEV	DEMOED AS OF 1969 BLDG. LIST	

BLDG DEMO LIST

		INFORMATION DATA GAP					
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS	
3125	1929	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3126	1929	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3127	1937	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3129	1937	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3130	1942	Personnel Shelter	EVALUATED 1982-83 HABS	Shelter, Battle Station	LIMITED SIGNIFICANCE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3131	1937	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3132	1950	Personnel Shelter	N/A	Sentry Station	NEV	DEMOED PRIOR TO 1982-83 HABS	
3133	1937	Hydrant House	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS	
3134	1935	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3135	1935	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3138	1935	Hydrant House	N/A	Vacant; Derelict	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3139	1935	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3142	1935	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3143	1935	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3147	1955	Hydrant House	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS	
3148	1938	Hydrant House	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS	
3149	1935	Hydrant House	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS	
3151	1929	Tank	COMPLETED 2007	Tank	DNE	DEMOED- HPO-D2008-161- DUE TO OIL SPILL INCIDENT, ALONG WITH SMALL ADJACENT PUMPING STATION (UNNUMBERED)	
3153	1935	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3156	1937	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3158	1929	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3160	1937	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3161	1937	Hydrant House	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS	
3162	1942	Covered Storage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Covered Storage	DNE	DEMOED MARCH 1998 ACCORDING TO ISA RECORDS- TECUP PROGRAM	
3163	1937	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3165	1937	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3167	1937	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3168	1937	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3169	1929	Hydrant House	N/A	N/A	NEV	ASSUMED DEMOED BASED ON RECORDS OF OTHER HYDRANT HOUSE SERIES BLDGS	
3170	1929	Hydrant House	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS IN 1987	
3171	1929	Hydrant House	N/A	N/A	NEV	DEMOED ACCORDING TO REAL PROP RECORDS IN 1987	
3174	1933	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	

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INFORMATION DATA GAP						
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS
3178	1896; 1905	Electric Pump House/ Paint Locker Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Flammable Materials Storehouse	DNE	Prior Navy Bldg 54; DEMOED SOMETIME AFTER 1997
3179	1937	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
3200	1943	Post Engineering Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Facility Engineering Storehouse	DNE	Prior Navy Bldg 908; DEMOED SOMETIME AFTER 1997
3201	1934	Water Treatment Plant	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Water Treatment Plant	DNE	Prior Navy Bldg 88; DEMOED SOMETIME AFTER 1997
3204	1937	Hydrant House	EVALUATED 1982-83 HABS	Hydrant House	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
3206	1936	Utilities Spare Parts; Storage (?)	EVALUATED 1982-83 HABS; COMPLETED 2007 (as 3210)	Unknown; Derelict	DNE	Prior Navy Bldg 86; DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOLISHED OCT-NOV 2009; DEMOED-HPO-D2009-211 PROD; HPO-E2009-44
3208A	1962	Admin Bldg Research and Development	N/A	Admin Bldg Research and Development	NEV	DEMOED PRIOR TO 1982-83 HABS
3209	1937	Hydrant House	EVALUATED 1982-83 HABS	Hydrant House	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
3211B	unknown	Unknown	COMPLETED 2007	Unknown	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION
3211C	unknown	Unknown	COMPLETED 2007	Unknown	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION
3212	1937	Hydrant House	EVALUATED 1982-83 HABS	Hydrant House	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
3215	1951	Quarters	COMPLETED 2007	Quarters	DNE	DEMOED- HPO-H2000-26
3216	1937	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
3217	circa 1917-1919; 1942	Quarters	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters	DNE	DEMOED- HPO-H2000-26
3218	1928	Lumber Salvage Shop	COMPLETED 1999	Snack Bar	DNE	Prior Navy Bldg 534
3219	1928	Water Reservoir Pump Bldg	EVALUATED 1982-83 HABS; 1994; RE-EVALUATED 2007	Water Reservoir Pump Bldg	DNE	Prior Navy Bldg 80; DEMOED- HPO-E2009-44
3219A	1938	Chlorinator Bldg	EVALUATED 1994; COMPLETED 1999	Chlorinator Bldg	DNE	DEMOLISHED 2013; DEMO SHPO COMPLETE per 3rd AMENDMENT TO THE RPMP FRP PA
3220	1945	Navy Barracks for Enlisted Workmen	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Officers' Quarters; Development Center; Chapel	DNE	DEMOED- HPO-H2000-26
3222	1937	Hydrant House	N/A	N/A	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
3227	1956	Gen Purp Storage Shed	COMPLETED 2007	Storage	DNE	DEMOED HPO-E94-61; DEMOED FEBRUARY 1996 ACCORDING TO ISA RECORDS- TECUP PROGRAM
3227E	2000	Water Supply Bldg	N/A	Water Supply Bldg	NEV	
3229	unknown	Personnel Shelter	COMPLETED 2007	Personnel Shelter	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION
3230	1940	Quarters; Janitorial Service Office	EVALUATED 1982-83 HABS	Storage; Thrift Shop	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
3231	1944	Ice House	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (G & WO)	DNE	DEMOED- HPO-F2006-6
3232	circa 1937	Hydrant House	(SUSPECTED) EVALUATED 1982-83 HABS	Hydrant House	(SUSPECTED) DNE	FOUNDATION REMNANTS PHOTOGRAPHED IN 1997-99 PANAMERICAN PHASE I ARCHAEOLOGICAL SURVEY REPORT OF SENSITIVITY AREAS
3233	1937	Hydrant House	EVALUATED 1982-83 HABS	Hydrant House	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
3234	1918	Igloo	COMPLETED 2007	Storage	LIMITED SIGNIFICANCE	Prior Navy Bldg 115; DEMOED ACCORDING TO 1969 BLDG LIST
3235	1941	Stand-By Generator	EVALUATED 1982-83 HABS	Auxiliary Electric Generator	DNE	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
3236	1930	Flammable Materials Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Flammable Materials Storehouse	DNE	DEMO SHPO COMPLETE per FINAL PA Signature- 17 May 10
3238	1984	Family Housing	COMPLETED 2007	Family Housing	DNE	RCI; GMH- DEMO PER 2004 PMOA; Units A-D
3238G	1984	Garage	N/A	Garage	NEV	RCI; GMH- DEMO PER 2004 PMOA; Units A-D
3238K	1984	Detached Storage	N/A	Detached Storage	NEV	RCI; GMH- DEMO PER 2004 PMOA
3238L	1984	Detached Storage	N/A	Detached Storage	NEV	RCI; GMH- DEMO PER 2004 PMOA

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		INFORMATION DATA GAP					
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS	
3239	1984	Family Housing	N/A	Family Housing	NEV	RCI; GMH- DEMO PER 2004 PMOA; Units A-D	
3239G	1984	Garage	N/A	Garage	NEV	RCI; GMH- DEMO PER 2004 PMOA; Units A-D	
3239K	1984	Detached Storage	N/A	Detached Storage	NEV	RCI; GMH- DEMO PER 2004 PMOA	
3239L	1984	Garage	N/A	Garage	NEV	RCI; GMH- DEMO PER 2004 PMOA	
3240	1984	Family Housing	N/A	Family Housing	NEV	RCI; GMH- DEMO PER 2004 PMOA; Units A-D	
3240G	1984	Garage	N/A	Garage	NEV	RCI; GMH- DEMO PER 2004 PMOA; Units A-D	
3240K	1984	Detached Storage	N/A	Detached Storage	NEV	RCI; GMH- DEMO PER 2004 PMOA	
3240L	1984	Garage	N/A	Garage	NEV	RCI; GMH- DEMO PER 2004 PMOA	
3241	1984	Family Housing	N/A	Family Housing	NEV	RCI; GMH- DEMO PER 2004 PMOA; Units A-D	
3241K	1984	Detached Storage	N/A	Detached Storage	NEV	RCI; GMH- DEMO PER 2004 PMOA	
3243	1987	Waiting Shelter	COMPLETED 2007	Garage	NEV	DEMOED ACCORDING TO PANAMERICAN EVALUATION	
3247G	1984	Garage	N/A	Garage	NEV	RCI; GMH; Burned down October 2009	
3249K	1984	Detached Storage	COMPLETED 2007	Detached Storage	DNE	RCI; GMH- DEMO PER 2004 PMOA	
3251	1980	Waiting Shelter	COMPLETED 2007	N/A	NEV	DEMOED ACCORDING TO PANAMERICAN EVALUATION	
3252	1918	Gen Storehouse	N/A	Tool House	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985	
3256	1964	Family Housing	COMPLETED 2007	Family Housing	DNE	RCI; GMH- DEMO PER 2004 PMOA; Units A-C	
3257	1964	Family Housing	COMPLETED 2007	Family Housing	DNE	RCI; GMH- DEMO PER 2004 PMOA; Units A-C	
3258	1964	Family Housing	COMPLETED 2007	Family Housing	DNE	RCI; GMH- DEMO PER 2004 PMOA; Units A-D	
3259	1964	Family Housing	COMPLETED 2007	Family Housing	DNE	RCI; GMH- DEMO PER 2004 PMOA; Units B-D	
3259A	1942	Waiting Shelter	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Bus Shelter	DNE	RCI; GMH- DEMO PER 2004 PMOA	
3260	1964	Family Housing	COMPLETED 2007	Family Housing	DNE	RCI; GMH- DEMO PER 2004 PMOA; Units A-D	
3261	1964	Family Housing	COMPLETED 2007	Family Housing	DNE	RCI; GMH- DEMO PER 2004 PMOA; Units A-D	
3262	1964	Family Housing	COMPLETED 2007	Family Housing	DNE	RCI; GMH- DEMO PER 2004 PMOA; Units A-D	
3263	1964	Family Housing	COMPLETED 2007	Family Housing	DNE	RCI; GMH- DEMO PER 2004 PMOA; Units A-D	
3264	1964	Family Housing	COMPLETED 2007	Family Housing	DNE	RCI; GMH- DEMO PER 2004 PMOA; Units A-D	
3265	1964	Family Housing	COMPLETED 2007	Family Housing	DNE	RCI; GMH- DEMO PER 2004 PMOA; Units A-D	
3301	1937	Hydrant House	N/A	Hydrant House	NEV	DEMOED 1987 ACCORDING TO REAL PROP RECORDS	
3304	1918	Hydrant House	N/A	Hydrant House	NEV	DEMOED 1987 ACCORDING TO REAL PROP RECORDS	
3307	1918	Fire Hose House	N/A	Fire Hose House	NEV	DEMOED 1987 ACCORDING TO REAL PROP RECORDS	
3309	1918	Fire Hose House	N/A	Fire Hose House	NEV	DEMOED 1987 ACCORDING TO REAL PROP RECORDS	
3312	1951	Service Supply Admin Bldg	N/A	N/A	NEV	DEMOED OCTOBER 1996 ACCORDING TO ISA RECORDS- TECUP PROGRAM	
3313	1918	Fire Hose House	N/A	Fire Hose House	NEV	DEMOED 1987 ACCORDING TO REAL PROP RECORDS	
3314	1940	Gen Storehouse	EVALUATED 1982-83 HABS	Engineering Field House	DNE	DEMOED SOMETIME AFTER 1982-83 HABS	
3317	1940	Post Engineering Facility	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Greenhouse	DNE	Prior Navy Bldg 32; DEMOED- HPO-C2006-91	
3318	1978	Flagpole	N/A	Flagpole	NEV	NOT FOUND DURING 2009 RP; IFS CORPS INSPECTION	
3319	1918	Hydrant House	N/A	Hydrant House	NEV	ASSUMED DEMOED BASED ON RECORDS OF OTHER HYDRANT HOUSE SERIES BLDGS	
3324A	1943	Guard House	EVALUATED 1982-83 HABS	Storage	DNE	DEMOED SOMETIME AFTER 1982-83 HABS	
3325	1953	Gen Storehouse	N/A	Storage	NEV	DEMOED BETWEEN 1995 AND 2002	
3326	1935	Garage	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Garage	DNE	DEMOED- HPO-H2000-26	
3327	1933	Quarters	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Quarters (NCO)	DNE	DEMOED- HPO-H2000-26	
3330	1939	Gen Purp Warehouse	EVALUATED 1994; COMPLETED 1999	Gen Purp Warehouse	DNE	DEMOED AUGUST 1996 ACCORDING TO ISA RECORDS- TECUP PROGRAM	
3332	1918	Hydrant House	N/A	Hydrant House	NEV	ASSUMED DEMOED BASED ON RECORDS OF OTHER HYDRANT HOUSE SERIES BLDGS	
3333	1918	Hydrant House	N/A	Hydrant House	NEV	ASSUMED DEMOED BASED ON RECORDS OF OTHER HYDRANT HOUSE SERIES BLDGS	
3335	1918	Hydrant House	N/A	Hydrant House	NEV	ASSUMED DEMOED BASED ON RECORDS OF OTHER HYDRANT HOUSE SERIES BLDGS	

BLDG DEMO LIST

		INFORMATION DATA GAP				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS
3336	1918	Hydrant House	N/A	Hydrant House	NEV	DEMO PLANNED ACCORDING TO TECUP MOA- 1985; DEMOED SOMETIME AFTER 1985
3339	1939	Storage	EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	DEMO SHPO COMPLETE via DERP AMENDMENT & Signature- 10 March 11; Prior Navy Bldg 316
3340	1939	Storage	EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	DEMO SHPO COMPLETE via DERP AMENDMENT & Signature- 10 March 11; Prior Navy Bldg 317
3341	1939	Gen Purp Warehouse	EVALUATED 1994; COMPLETED 1999	Gen Storehouse Family Housing	DNE	Demoad June 2011; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10; Prior Navy Bldg 328
3343	1918	Hydrant House	N/A	Hydrant House	NEV	ASSUMED DEMOED BASED ON RECORDS OF OTHER HYDRANT HOUSE SERIES BLDGS
3344	1939	Gen Purp Warehouse	EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	DEMO SHPO COMPLETE via DERP AMENDMENT & Signature- 10 March 11; Prior Navy Bldg 322
3345	1939	Gen Purp Warehouse	EVALUATED 1994; COMPLETED 1999	Gen Storehouse	DNE	Prior Navy Bldg 323; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
3346	1918	Hydrant House	N/A	Hydrant House	NEV	ASSUMED DEMOED BASED ON RECORDS OF OTHER HYDRANT HOUSE SERIES BLDGS
3347	1918	Hydrant House	N/A	Hydrant House	NEV	ASSUMED DEMOED BASED ON RECORDS OF OTHER HYDRANT HOUSE SERIES BLDGS
3349	1939	Gen Purp Warehouse	EVALUATED 1994; COMPLETED 1999	Gen Purp Warehouse	DNE	Prior Navy Bldg 308; DEMOED- HPO-D2009-180; DEMOLISHED DEC 2009 FOR BRAC GUNS & WEAPONS SYSTEMS LAB
3350	1939	Gen Purp Warehouse	EVALUATED 1994; COMPLETED 1999	Gen Purp Warehouse	DNE	Prior Navy Bldg 307; DEMOED- HPO-D2009-180; DEMOLISHED DEC 2009 FOR BRAC GUNS & WEAPONS SYSTEMS TECH DATA FACILITY
3351	1939	Gen Purp Warehouse	N/A	Inert Storehouse	NEV	DEMOED PRIOR TO 1982-83 HABS
3352	1939	Gen Purp Warehouse	EVALUATED 1994; COMPLETED 1999	Gen Purp Warehouse	DNE	Prior Navy Bldg 310; DEMOED- HPO-D2009-180; DEMOED- HPO-E2009-44; DEMOLISHED DEC 2009 FOR BRAC GUNS & WEAPONS SYSTEMS LAB
3353	1939	Gen Purp Warehouse	EVALUATED 1994; COMPLETED 1999	Gen Purp Warehouse	DNE	Prior Navy Bldg 310; DEMOED- HPO-D2009-180; DEMOED- HPO-E2009-44; DEMOLISHED DEC 2009 FOR BRAC GUNS & EAPONS SYSTEMS LAB
3354	1939	Gen Purp Warehouse	EVALUATED 1994; COMPLETED 1999	Gen Purp Warehouse	DNE	DEMO SHPO COMPLETE via DERP AMENDMENT & Signature- 10 March 11; Prior Navy Bldg 324
3355	1918	Hydrant House	N/A	Hydrant House	NEV	ASSUMED DEMOED BASED ON RECORDS OF OTHER HYDRANT HOUSE SERIES BLDGS
3356	1918	Hydrant House	N/A	Hydrant House	NEV	ASSUMED DEMOED BASED ON RECORDS OF OTHER HYDRANT HOUSE SERIES BLDGS
3357	1939	Gen Purp Warehouse	EVALUATED 1994; COMPLETED 1999	Salvage and Surplus Property	DNE	DEMO SHPO COMPLETE via DERP AMENDMENT & Signature- 10 March 11; Prior Navy Bldg 325
3358	1918	Hydrant House	N/A	Hydrant House	NEV	ASSUMED DEMOED BASED ON RECORDS OF OTHER HYDRANT HOUSE SERIES BLDGS
3359	1939	Salvage and Surplus Property/ Gen Purp Warehouse	EVALUATED 1994; COMPLETED 1999	Armament University- Classrooms and Training Facility	DNE	Prior Navy Bldg 326; 2011-12- gutted and renovated with 2nd floor addition- during interior demolition, post WWII era murals were discovered painted on the brick walls (previously covered by wall material and insulation)- see photos. Painter unknown- building demoed April 2011 for new facility on existing foundation
3360	1918	Hydrant House	N/A	Hydrant House	NEV	ASSUMED DEMOED BASED ON RECORDS OF OTHER HYDRANT HOUSE SERIES BLDGS
3401	circa 1943	Admin	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	National Guard Reserve; Driver's School	DNE	Demoad July 2011; Prior Navy Bldg 701; DEMOED- HPO-L2007-23
3402	circa 1943	Dispensary	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Gen Purp Warehouse; Admin	DNE	Prior Navy Bldg 702; DEMOED SUMMER 2012; DEMOED- HPO-L2007-23
3403	circa 1943	Chemistry Lab; Station Brig; Special Projects	COMPLETED 2007	W.M. Kellogg Lab	DNE	Prior Navy Bldg 703; DEMOED SUMMER 2012; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
3404	1960	Navy Lab 5; Chemtry Lab; Admin and Supply Bldg	COMPLETED 2004; 2007	Navy Lab 5	DNE	Prior Navy Bldg 706; DEMOED SUMMER 2012; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
3405	circa 1943	Coal Heating Plant	EVALUATED 1982-83 HABS	Boiler House	DNE	DEMOED 1999-2000 ACCORDING TO ROBERT ELY'S RECORDS

BLDG DEMO LIST

		INFORMATION DATA GAP				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS
3406	circa 1943	Coal Bunker	N/A	N/A	NEV	DEMOED AS OF 1969 BLDG. LIST
3408	circa 1943	Barracks	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	National Guard Reserve Center; Army Reserve Center	DNE	Prior Navy Bldg 721; DEMOED- HPO-L2007-23
3409A	1944	Storehouse	EVALUATED 1982-83 HABS; RE-EVALUATED 1994; COMPLETED 1999	Army Reserve Center	DNE	Demoted July 2011; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
3409B	1994	Antenna/Satellite Dish	N/A	Antenna/Satellite Dish	NEV	REMOVED 2010
3411	unknown	Storage	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS
3412	1980	Storage Shed	N/A	N/A	NEV	NOT FOUND DURING 2009 RP; IFS CORPS INSPECTION
3413	1946	Radar Tracking Gear Testing and Repair Facility	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS
3414	1930	Post Engineering Facility	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS
3415	1946	Trickling Filter	N/A	Trickling Filter	NEV	DEMOED PRIOR TO 1982-83 HABS
3416	1946	Dosing Tank	N/A	Dosing Tank	NEV	DEMOED PRIOR TO 1982-83 HABS
3417	1946	Imhoff Tank	N/A	Imhoff Tank	NEV	DEMOED PRIOR TO 1982-83 HABS
3418	1946	Sludge Drying Beds	N/A	Sludge Drying Beds	NEV	DEMOED PRIOR TO 1982-83 HABS
3419	1946	Chlorinator Bldg	N/A	Sewage Treatment Plant	NEV	DEMOED PRIOR TO 1982-83 HABS
3422	1963	Flammable Materials Storehouse	N/A	Flammable Materials Storehouse	NEV	DEMOED PRIOR TO 1982-83 HABS
3500	1946	Navy Field House; RMI; RMD Photo Lab for Area A; Navy Engineering Field House	COMPLETED 2004	Photography Lab	DNE	Prior Navy Bldg 734; Naval Air Rocket Test Station (NARTS), Area A
3501	1946	Navy; RMI; RMD Engine Firings Component Testing; Horizontal Test Stand 1-A; 5,000 lb. Thrust	COMPLETED 2004	Homeland Security Admin	DNE	Prior Navy Bldg 735; NARTS, Area A; DEMO- HPO-L2007-23- NO LONGER PLANNED FOR DEMO- 2008- rebuilt in place
3502	1952	Propellant Systems Facility	N/A	N/A	NEV	DEMOED ACCORDING TO RP SITE VISIT
3503	1946	Propellant Systems Facility	N/A	N/A	NEV	DISPOSAL PLANNED 2001 ACCORDING TO IFS; DEMOED ACCORDING TO RP SITE VISIT
3505	1946	Propellant Systems Facility	N/A	Test Cell 5-A	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3506	1946	Propellant Systems Facility	N/A	Test Cell 6-A	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3507	1946	Propellant Systems Facility	N/A	Test Cell 7-A	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3508	1946	Propellant Systems Facility	N/A	Test Cell 8-A	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3509	1951	Sentry Station	N/A	Sentry Station	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3510	1946	Post Engineering Maintenance Shop	N/A	Instrument Repair Shop	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3511	1946	Post Engineering Maintenance Shop	N/A	Maintenance Shop	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3512	1948	Barricade (Liquid Oxygen)	N/A	Barricade (Liquid Oxygen)	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3513	1946	Admin Gen Purp	N/A	Stockroom	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3514	1948	Electrical Equip Facility	N/A	Acid Storage	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3516	1950	Flammable Materials Storehouse	N/A	Paint Storage	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3517	1940	Magazine	N/A	Magazine	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3518A	unknown	N; A	N/A	N/A	NEV	DEMOED 1997 ACCORDING TO ISA RECORDS- TECUP PROGRAM
3520	1948	Gen Purp Magazine	N/A	Propellants Storage	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3522	1958	Fire Hose House	N/A	Fire Hose House	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3523	1948	Gen Purp Magazine	N/A	Storage	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3524	1948	Gen Purp Magazine	N/A	Powder Storage	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3525	1949	Boiler House	N/A	Boiler House	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3526	1948	Propellant Systems Facility	N/A	Test Cell 9-B & 10-B	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3527	1946	Post Engineering Maintenance Shop	N/A	Field Repair	NEV	DEMOED PRIOR TO 1982-83 HABS
3528	1948	Barricade (Lox Tank)	N/A	Barricade (Lox Tank)	NEV	DEMOED PRIOR TO 1982-83 HABS
3529	1948	Propellant Systems Facility	N/A	Control House	NEV	DEMOED PRIOR TO 1982-83 HABS
3530	1947	Propellant Systems Facility	N/A	Propellant Systems Facility	NEV	DEMOED PRIOR TO 1982-83 HABS
3532	1948	Water Pump House	N/A	Water Pump House	NEV	DEMOED PRIOR TO 1982-83 HABS
3534	1946	Navy Inspectors Office	N/A	Pump House	NEV	DEMOED PRIOR TO 1982-83 HABS
3535	1953	Fuze and Detonator Magazine	N/A	Storage Igniters	NEV	DEMOED PRIOR TO 1982-83 HABS
3536	1952	Research Test Pad	N/A	Test Pad	NEV	DEMOED PRIOR TO 1982-83 HABS
3538	1957	Propellant Fuel Facility	N/A	Nitrogen Cascade	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3539	1949	Propellant Systems Facility	N/A	Test Cells 1-C & 2-C	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3540	1949	Propellant Systems Facility	N/A	Test Cells 3-C & 4-C	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3541	1949	Propellant Systems Facility	N/A	Test Cells 5-C & 6-C	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3543	1950	Sentry Station	N/A	Sentry Station	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT

BLDG DEMO LIST

		INFORMATION DATA GAP				
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS
3544	1949	Settling Tank	N/A	Settling Tank	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3545	1949	Trickling Filter	N/A	Trickling Filter	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3546	1949	Dosing Tank	N/A	Dosing Tank	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3547	1949	Heat Plant Building	N/A	Shower Room	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3548	1952	Propellant Systems Facility	N/A	Ammonia Pump House	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3549	1952	Flammable Materials Storehouse	N/A	Ammonia Storage	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3550	1954	High Speed Rig	N/A	Test Pad	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3551	1952	Water Pump	N/A	Water Pump House	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3552	1968	Propellant Systems Facility	N/A	Propellant Systems Facility	NEV	DEMOED PRIOR TO 1982-83 HABS
3553	1955	Propellant Systems Facility	N/A	Control House	NEV	DEMOED ACCORDING TO PANAMERICAN NARTS RESEARCH AND SITE VISIT
3554	1955	Ordnance Facility	N/A	Turret Pad	NEV	DEMOED ACCORDING TO PANAMERICAN NARTS RESEARCH AND SITE VISIT
3555	1955	Ordnance Facility	N/A	Turret Pad	NEV	DEMOED ACCORDING TO PANAMERICAN NARTS RESEARCH AND SITE VISIT
3556	1958	Electrical Equip Facility	N/A	Propellants Preparation and Storage Bldg	NEV	FOUNDATIONS STILL IN PLACE; DEMOED ACCORDING TO PANAMERICAN NARTS RESEARCH AND SITE VISIT
3556	circa 1970	Transformer Cage	2015	Transformer Cage	NEV	Left over cage removed 2011
3558	1959	Ordnance Facility	N/A	Control	NEV	DEMOED PRIOR TO 1982-83 HABS
3559	1959	Storage	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS
3560	1959	Electrical Equip Facility	N/A	Test Stand	NEV	DEMOED PRIOR TO 1982-83 HABS
3561	1959	Ordnance Facility	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS
3563	1959	Electrical Equip Facility	N/A	Test Stand	NEV	DEMOED PRIOR TO 1982-83 HABS
3564	1959	Gen Storehouse	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS
3565	1959	Electrical Equip Facility	N/A	Test Stand	NEV	DEMOED PRIOR TO 1982-83 HABS
3566	1959	Gen Storehouse	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS
3567	1959	Gen Storehouse	N/A	Storage	NEV	DEMOED PRIOR TO 1982-83 HABS
3578	unknown	Tank	N/A	N/A	NEV	DEMOED AFTER LATE 1990s
3582	1963	Latrine	N/A	Public Toilet	NEV	DEMOED PRIOR TO 1982-83 HABS
3583	unknown	Ordnance Facility	N/A	Ordnance Facility	NEV	DEMOED PRIOR TO 1982-83 HABS
3590	1960	Ordnance Facility	N/A	Ordnance Facility	NEV	DEMOED PRIOR TO 1982-83 HABS
3591	1960	Ordnance Facility	N/A	Ordnance Facility	NEV	DEMOED PRIOR TO 1982-83 HABS
3592	1960	Ordnance Facility	N/A	Ordnance Facility	NEV	DEMOED PRIOR TO 1982-83 HABS
3594	1964	Propellant Systems Facility	N/A	Propellant Systems Facility	NEV	DEMOED AS OF 1969 BLDG. LIST
3598	1949	Chlorinator Bldg	N/A	Chlorinator Bldg	NEV	DEMOED PRIOR TO 1982-83 HABS
3600	1951	Sentry Station	N/A	N/A	NEV	DEMOLISHED DECEMBER 1980 ACCORDING TO MASTER PLANNING RECORDS
3602A	1966	Open Storage Area	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS
3602B	1968	Nitroglycerin Distribution System	N/A	N/A	NEV	DEMOED PRIOR TO 1982-83 HABS
3619	1952	Propellant Fuel Facility	COMPLETED 1999	Liquid Oxygen Tank Pad	NCE; DNE	Foundation Tank Supports Remain w; Tank Number; NARTS Historic District Test Area E
3627	1960	Control Room	COMPLETED 1999	Control Room	NCE; DNE	WITHIN HISTORIC DISTRICT BOUNDARY; Control Room E-1D; HABS DOCUMENTATION PERFORMED 2008; HPO-H2010-089; DEMOED SUMMER 2012
3629	1960	Ordnance Facility	N/A	Ordnance Facility	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3630	1960	Ordnance Facility	N/A	Ordnance Facility	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3631	1960	Ordnance Facility	N/A	Ordnance Facility	NEV	DEMOED AS OF 2004 PANAMERICAN SITE ASSESSMENT
3700A	circa 1942	Waiting Shelter	EVALUATED 1994; COMPLETED 1999	Bus Shelter	DNE	DEMOED PER 2007 SITE VISIT
3702	1978	Trailer Storage	N/A	Trailer Storage	NEV	REMOVED 2013; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
3704	1978	Trailer Storage	N/A	Trailer Storage	NEV	REMOVED 2013; DEMO SHPO COMPLETE via FINAL PA Signature- 17 May 10
3710	1993	Recreational Billets	N/A	Recreational Billets	NEV	REMOVED 2010; DEMO SHPO COMPLETE via FINAL PA Signature- 17 MAY 10

BLDG DEMO LIST

		INFORMATION DATA GAP					
BLDG	YEAR BUILT	HISTORIC USE	YEAR TO ASSESS; YEAR ASSESSMENT COMPLETED; ASSESSMENT INFO	LAST USE	NRHP ELIGIBLE	COMMENTS	
3711	1993	Recreational Billets	N/A	Recreational Billets	NEV	REMOVED 2010; DEMO SHPO COMPLETE via FINAL PA Signature- 17 MAY 10	
3712	1993	Recreational Billets	N/A	Recreational Billets	NEV	REMOVED 2010; DEMO SHPO COMPLETE via FINAL PA Signature- 17 MAY 10	
3713	1993	Recreational Billets	N/A	Recreational Billets	NEV	REMOVED 2010; DEMO SHPO COMPLETE via FINAL PA Signature- 17 MAY 10	
3714	1993	Recreational Billets	N/A	Recreational Billets	NEV	REMOVED 2010; DEMO SHPO COMPLETE via FINAL PA Signature- 17 MAY 10	
3716	1993	Recreational Billets	N/A	Recreational Billets	NEV	DEMOED ACCORDING TO SITE VISIT FOR NEW LOG CABINS (2009)	
3830	1975	Trailer Sites	N/A	N/A	NEV	NOT FOUND DURING 2009 RP; IFS CORPS INSPECTION	
3939	1918	Unknown	COMPLETED 2007	N/A	DNE	DEMOED ACCORDING TO PANAMERICAN EVALUATION	
81360	1942	Transformers	N/A	N/A	NEV	AAL IFS Entry of Transformers; NO LONGER IDENTIFIED DURING 2009 RP; IFS CORPS INSPECTION	
84330	1980	Non-Potable Fire Protection System	N/A	Non-Potable Fire Protection System	NEV	AAL IFS Entry of Non-Potable Fire Protection System; REMOVED FROM RP INVENTORY OCT 2011	
82613	1982	A; C REF PLANT	N/A	A; C REF PLANT	NEV	AAL IFS Entry of A; C REF PLANT; REMOVED FROM RP INVENTORY OCT 2011	

## **Appendix F: Standard Operating Procedures**

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The SOPs presented below and within Section 6 of the HPC were developed to address cultural resources concerns relevant to proposed or planned installation activities at Picatinny Arsenal. The Point of Contact for these SOPs is the Cultural Resource Manager (CRM), Mr. Jason Huggan, Tel. (973) 724-3664, fax (973) 724-8020, and email: [jason.j.huggan.civ@mail.mil](mailto:jason.j.huggan.civ@mail.mil).

### **SOP #1- National Historic Preservation Act, Section 106 Review**

SEE SECTION 6 OF THE HPC

### **SOP #2- Unexpected Cultural Resources Discoveries during Undertakings**

SEE SOP 11 OF THE HPC

### **SOP #3- Unintentional Damage to an NRHP Eligible Architectural Resource, including Buildings, Structures, or Features**

SEE SOP 11 OF THE HPC

### **SOP #4- Procedures for the Recovery of Human Remains**

In the event that human remains are encountered, the project manager, construction supervisor or project archaeologist will cease activities in the immediate area of discovery and make an effort to protect the resources while notifying the CRM. The CRM will then inform the security office of the discovery.

The CRM, with the help of a coroner or physical or forensic anthropologist will determine if the remains are human, and whether or not they are associated with an archaeological deposit. If the remains are not human and are not associated with an archaeological deposit, the work may continue. If the remains are human, the appropriate law enforcement officials should be notified. These officials will visit the site with the CRM and determine, with the aid of a coroner or physical/forensic anthropologist, if the remains are recent or ancient. If the remains are recent, then the matter becomes the responsibility of law enforcement officials who will determine when project activities will resume. If the remains are not modern and not Native American, then the provisions described above for inadvertently discovered archaeological remains are to be followed (SOP #2- SOP 11 of the HPC).

If the remains are determined to be of Native American origin, specific NAGPRA regulations must be followed pursuant to 43 CFR 10.4 (SOP #4). NAGPRA requires that, upon an unexpected discovery of Native American human remains, funerary objects, sacred objects, or objects of cultural patrimony, further construction or archaeological activities in the area of discovery should cease for 30 days after the appropriate Federally recognized tribes and/or lineal descendants have been officially notified.

The removal of the Native American human remains may proceed when:

1. the consent of the appropriate Federally recognized tribal group is obtained;
2. ownership and right-of-control of such items is not in dispute; and
3. proof of consultation and notification is documented.

The CRM will be responsible for the security of the site pending resumption of the testing operations or resolution of site mitigation.

### **SOP #5- Mothballing Eligible Historic Properties**

When all means of finding a productive use for an eligible historic building have been exhausted or funds are not currently available to render a deteriorated structure into a usable building, it may be necessary to close the building temporarily to protect it from the weather as well as to secure it from vandalism. Mothballing, as the process is known, is a necessary and effective way to protect a building while its future is being determined.

A project team should first be established, in conjunction with the CRM that consists of at least an architect, historian, preservation specialist, structural engineer, and a contractor. The project team shall then follow the proper procedures for mothballing a building that include:

- Documentation- of the architectural and historical significance of the building along with the preparation of a condition assessment of the building;
- Stabilization- of the building(s) structurally based on the condition assessment, along with the extermination or control of pests, including termites and rodents, and protecting the exterior from moisture penetration; and finally
- Mothballing- by securing the building and its component features to reduce vandalism or break-ins, along with providing adequate ventilation to the interior. Secure or modify utilities and mechanical systems. Develop and implement maintenance and monitoring plan for protection. Mothballing measures should not result in damage and each treatment should be weighed in terms of its reversibility and overall benefit to the structure.

The three highest priorities for a structure while it is mothballed are: to protect it from sudden loss; to weatherize and protect the building to stop moisture penetration; and to control the humidity levels inside once the building has been secured (see Preservation Brief No. 31: Mothballing Historic Buildings for further information).

If a vacant property has been declared unsafe, like many at PICA have been, stabilization and mothballing may be the only way to protect the building from demolition. Also, providing temporary protection and stabilization for vacant historic buildings can slow deterioration while a compatible use for the building is found.

## **SOP # 6- Curation of Cultural Materials (36 CFR 79)**

All cultural materials (ie. artifacts) that have been collected during archaeological inventory within Picatinny Arsenal should be curated in compliance with 36 CFR Part 79- Curation of Federally Owned and Administered Archaeological Collections, including field records and photographs.

Part 79(9) regulates that the facility be specifically designed to serve as a physical repository where artifacts are sorted, repackaged, assessed for conservation needs, and then placed in an appropriate, environmentally controlled storage area. The overall goal of the Federal program, as set forth in 36 CFR Part 79, is to ensure the preservation and accessibility of artifacts for use by members of the public interested in the archaeology of the region. Artifact data is entered into a database, which is an important management and research tool.

AR 200-1 requires the GC to ensure that all archaeological collections and associated records, as defined in 36 CFR 79 are processed, maintained, and preserved in accordance with the requirements.

## **SOP # 7- National Environmental Policy Act (NEPA) Coordination**

SEE SECTION 6 OF THE HPC