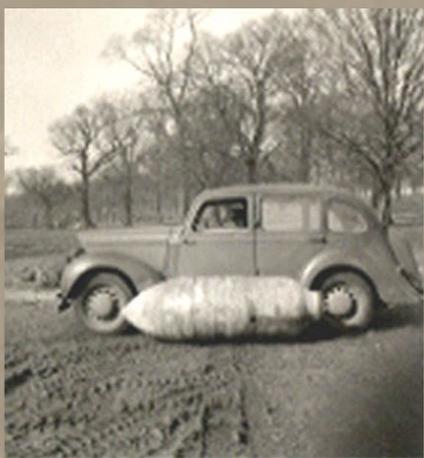
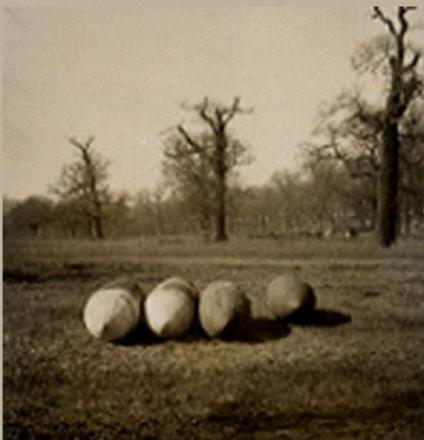


**Draft Historical Records Review**



# Draft Historical Records Review United States Military Academy West Point, New York

**Volume 1 of 2**

**January 2005**



**U.S. Army  
Corps of Engineers**



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**DRAFT HISTORICAL RECORDS REVIEW  
UNITED STATES MILITARY ACADEMY  
WEST POINT, NEW YORK**

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Volume 1 of 2

January 2005

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**DRAFT HISTORICAL RECORDS REVIEW  
UNITED STATES MILITARY ACADEMY  
WEST POINT, NEW YORK**

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TechLaw, Inc. prepared this report at the direction of the U.S. Army Corps of Engineers (USACE). This document should be used only with the approval of the USACE. This report is based, in part, on information provided in other documents and is subject to the limitations and qualifications presented in the referenced documents.

January 2005

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**Volume 2**

**SUPPORTING DOCUMENTS**

## ACRONYMS AND ABBREVIATIONS

ARS	Advance Range Survey
BP	Black Powder
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
CTT	Closed, Transferring, and Transferred
DERP	Defense Environmental Restoration Program
DMM	Discarded Military Munitions
DNT	Dinitrotoluene
DoD	Department of Defense
EOD	Explosive Ordnance Disposal
FUDS	Formerly Used Defense Site
FY	Fiscal Year
HE	High Explosive
HRR	Historic Records Review
MC	Munitions Constituents
MEC	Munitions and Explosives of Concern
mm	Millimeter
MMRP	Military Munitions Response Program
NARA	National Archives and Records Administration
NC	Nitrocellulose
NCP	National Contingency Plan
NG	Nitroglycerin
PA	Preliminary Assessment
PCHS	Putnam County Historical Society
ppm	Parts per million
RG	Record Groups
SARA	Superfund Amendment and Reauthorization Act
SI	Site Inspection
TD	Transferred
TNT	Trinitrotoluene
TPP	Technical Project Planning
U.S.	United States
USACE	United States Army Corps of Engineers
USAEC	United States Army Environmental Center
U.S.C.	United States Code
USMA	United States Military Academy
UXO	Unexploded Ordnance
WWII	World War II

## **GLOSSARY OF TERMS**

**Closed Range** – A military range that has been taken out of service as a range and that either has been put to new uses that are incompatible with range activities or is not considered by the military to be a potential range area. A closed range is still under the control of a Department of Defense (DoD) component.

**Defense Site** – All locations that are or were owned by, leased to, or otherwise possessed or used by the DoD. The term does not include any operational range, operating storage or manufacturing facility, or facility that is used or was permitted for the treatment or disposal of military munitions.

**Discarded Military Munitions (DMM)** – Military munitions that have been abandoned without proper disposal or removed from storage in a military magazine or other storage area for the purpose of disposal. The term does not include unexploded ordnance, military munitions that are being held for future use or planned disposal, or military munitions that have been properly disposed of consistent with applicable environmental laws and regulations.

**Explosive Ordnance Disposal (EOD)** – The detection, identification, on-site evaluation, rendering safe, recovery, and final disposal of unexploded explosive ordnance. It may also include explosive ordnance that has become hazardous by damage or deterioration.

**Explosives Safety** – A condition where operational capability and readiness, personnel, property, and the environment are protected from the unacceptable effects of an ammunition or explosives mishap.

**Formerly Used Defense Site (FUDS)** – A DoD program that focuses on compliance and cleanup efforts at sites that were formerly used by the DoD. A FUDS property is eligible for the Military Munitions Response Program if the release occurred prior to October 17, 1986; the property was transferred from DoD control prior to October 17, 1986; and the property or project meets other FUDS eligibility criteria.

**Munitions Constituents (MC)** – Any materials originating from unexploded ordnance, DMM or other military munitions, including explosive and non-explosive materials, and emission, degradation, or breakdown elements of such ordnance or munitions.

**Munitions and Explosives of Concern (MEC)** – This term, which distinguishes specific categories of military munitions that may pose unique explosives safety risks, means unexploded ordnance, DMM, or munitions constituents (e.g., Trinitrotoluene [TNT], Cyclotrimethylenetrinitramine) present in high enough concentrations to pose an explosive hazard.

**Military Munitions (MM)** – All ammunition products and components produced or used by or for the DoD or the U.S. Armed Services for national defense and security, including MM under the control of the DoD, the U.S. Coast Guard, the U.S. Department of Energy

(USDOE), and National Guard personnel. The term military munitions includes: confined gaseous, liquid, and solid propellants, explosives, pyrotechnics, chemical and riot control agents, smokes, and incendiaries used by DOD components, including bulk explosives and chemical warfare agents, chemical munitions, rockets, guided and ballistic missiles, bombs, warheads, mortar rounds, artillery ammunition, small arms ammunition, grenades, mines, torpedoes, depth charges, cluster munitions and dispensers, demolition charges, and devices and components thereof. MM do not include wholly inert items, improvised explosive devices, and nuclear weapons, nuclear devices, and nuclear components thereof. However, the term does include nonnuclear components of nuclear devices, managed under DOE's nuclear weapons program, after all required sanitization operations under the Atomic Energy Act of 1954, as amended, have been completed.

**Operational Range** – A range that is under the jurisdiction, custody, or control of the Secretary of Defense and that is used for range activities, or although not currently being used for range activities, that is still considered by the Secretary to be a range and has not been put to a new use that is incompatible with range activities.

**Range** – A designated land or water area set aside, managed, and used for range activities of the DoD. Ranges include firing lines and positions, maneuver areas, firing lanes, test pads, detonation pads, impact areas, electronic scoring sites, buffer zones with restricted access and exclusionary areas, and airspace areas designated for military use in accordance with regulations and procedures prescribed by the Administrator of the Federal Aviation Administration.

**Transferred Range** – A range that is no longer under military control and had been leased by the DoD, transferred, or returned from the DoD to another entity, including federal entities. This includes a military range that is no longer under military control, but that was used under the terms of an executive order, special-use permit or authorization, right-of-way, public land order, or other instrument issued by the federal land manager. Additionally, property that was previously used by the military as a range, but did not have a formal use agreement, also qualifies as a transferred range.

**Transferring Range** – A range that is proposed to be leased, transferred, or returned from the DoD to another entity, including federal entities. This includes a military range that was used under the terms of a withdrawal, executive order, special-use permit or authorization, right-of-way, public land order, or other instrument issued by the federal land manager or property owner. An active range will not be considered a transferring range until the transfer is imminent (generally defined as the transfer date is within 12 months and a receiving entity has been notified).

**Unexploded Ordnance (UXO)** – Military munitions that have been primed, fused, armed, or otherwise prepared for action; have been fired, dropped, launched, projected, or placed in such a manner as to constitute a hazard to operations, installations, personnel, or material; and remain unexploded either by malfunction, design, or any other cause.

## **1.0 INTRODUCTION**

The Department of Defense (DoD) established the Military Munitions Response Program (MMRP) under the Defense Environmental Restoration Program (DERP) to address unexploded ordnance (UXO), discarded military munitions (DMM) and munitions constituents (MC) located on current and former military installations. Properties classified as operational military ranges, permitted munitions disposal facilities or operating munitions storage facilities are not eligible for the MMRP. The United States (U.S.) Army's (Army) inventory of closed, transferring and transferred (CTT) military ranges and defense sites with UXO, DMM or MC has identified sites eligible for action under the MMRP. Ten closed ranges, and two transferred ranges, (also referred to as sites) were identified during the inventory at United States Military Academy, West Point, New York (USMA). A Site Inspection (SI) is currently ongoing at these twelve sites. This report presents the result of the MMRP Historical Records Review (HRR) conducted for USMA.

The DoD is currently establishing policy and guidance for munitions response actions under the MMRP. However, key program drivers developed to date conclude that munitions response actions will be conducted under the process outlined in the National Contingency Plan (NCP) (40 CFR 300) as authorized by the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, 42 United States Code (U.S.C.) 9605, as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA), Pub. L. 99-499 (hereinafter CERCLA). The *Closed, Transferring, and Transferred Range/Site Inventory Report for U.S. Military Academy, NY* (Range Inventory), completed in August 2004, marks the completion of the Preliminary Assessment (PA) phase of work under CERCLA. The SI report is part of the CERCLA process and will complete the PA/SI requirement for the MMRP sites.

### **1.1 PURPOSE/SCOPE**

The purpose of the HRR is to perform a limited-scope records search to document historical and other known information for the MMRP sites at USMA to supplement the inventory information, and to support the Technical Project Planning (TPP) process, which will facilitate decisions to focus on those areas where more information is needed to determine the next steps in the CERCLA process.

### **1.2 PROJECT DRIVERS**

The regulatory structure for managing the MMRP sites at USMA is guided by a mixture of federal, state, and local laws, as well as DoD and Army regulations and guidance. The picture is further complicated by debates at the national level between DoD and the United States Environmental Protection Agency over key issues that include uncertainty of the final structure of the MMRP. However, key legislative and administrative precedents to date will undoubtedly influence the final regulatory framework for the MMRP. The key legislative, administrative, and historic precedents include the following:

**Defense Environmental Restoration Program (DERP) Management Guidance (September 2001)** - The DERP Management Guidance establishes an MMRP element for UXO, DMM, and MC defense sites. The history of DERP dates back to the SARA of 1986. The scope of the DERP is defined in 10 U.S.C. §2701(b), which states that the: “Goals of the program shall include the following: (1) The identification, investigation, research and development, and cleanup of contamination from hazardous substances, and pollutants and contaminants. (2) Correction of other environmental damage (such as detection and disposal of unexploded ordnance) which creates an imminent and substantial endangerment to the public health or welfare or to the environment.”

**Draft DoD Directive Military Munitions Response Policy on Other-Than-Operational Ranges (4715.MRP)** - The DoD is drafting a directive in lieu of the DoD Range Rule, which was abandoned in November 2000. The Range Rule encompassed a comprehensive process for identifying, evaluating, and addressing military munitions and other constituents on other than operational military ranges and other sites. The new directive builds upon the Management Principles, parts of the Draft DoD Range Rule language, and comments received on the Draft DoD Range Rule. The DoD Directive is scheduled to be finalized in fiscal year (FY) 2005, pending review and concurrence from the DoD components. The Draft DoD Directive 4715.MRP (September 2003 version) states that munitions response will be conducted “in accordance with CERCLA and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP).”

**National Defense Authorization Act (FY02) (Sections 311-313)** - Sections 311-313 of the National Defense Authorization Act of FY02 reinforced the DoD’s 2001 DERP Management Guidance by tasking the DoD to develop and maintain an inventory of defense sites that are known or suspected to contain MEC or MC. Section 311 requires the DoD to develop a protocol for prioritizing defense sites for response activities in consultation with the States and Tribes. Section 312 requires the DoD to create a separate program element to ensure that the DoD can identify and track munitions response funding. Section 313 directs the DoD to provide a comprehensive assessment of MEC and MC at defense sites in the FY02 DERP Annual Report to Congress.

The September 2001 Management Guidance for the DERP and the Defense Authorization Act 2002, described above, established the MMRP. The DERP and the MMRP provide guidance and methods for conducting a baseline inventory of defense sites containing, or potentially containing, UXO, DMM, or MC.

### **1.3 BACKGROUND**

As stated above, the Range Inventory for USMA is considered to mark the completion of the PA phase of work under CERCLA. The SI is the next phase in the CERCLA process and will complete the PA/SI requirement for the MMRP sites. The following paragraphs summarize the results of the Range Inventory at USMA and present the primary goals of performing a SI.

### **1.3.1 Army Range Inventory (Preliminary Assessment)**

The Army Range Inventory program was conducted in three phases. The first phase (Phase 1) involved a data call issued through the U.S. Army Environmental Center (USAEC) requesting general information about ranges on various installations under each U.S. Army Major Command. The Phase 1 Inventory was conducted using a questionnaire called the Advance Range Survey (ARS). The ARS listed one closed range at USMA. The ARS allowed the Army to meet the short-term data goal of supporting the DoD preparation of Senate Report 106-50; however, the Army's long-term needs required a more detailed inventory of its ranges that was not achievable based on the information in the ARS. For management and budgetary reasons, the Army divided the detailed follow-on inventory into two phases. The Phase 2 Inventory addressed operational ranges, while Phase 3 covered CTT ranges and defense sites with UXO, DMM, or MC.

The Phase 2 Inventory for USMA was conducted by USAEC through an Army contractor, and the results were documented in an operational range inventory binder that was submitted to USAEC and USMA on September 24, 2001. The Phase 2 binder contained maps that delineated the operational range boundaries. As part of the effort, the inventory data was electronically uploaded into the Army Range Inventory Database maintained by USAEC. Phase 2 data relating to the locations of the operational and non-operational area was provided to the Phase 3 team prior to collecting the Phase 3 CTT range data for USMA. The results from the Phase 2 Inventory are included on the Phase 3 maps and mentioned in the report, where applicable, to provide the reader with a snapshot of the entire range area associated with USMA.

The Phase 3 CTT Range/Site Inventory Report for USMA was submitted to USAEC in August 2003. USMA was visited on December 11 and 12, 2002 by Malcolm Pirnie for data collection that involved the review of historical records and interviews with installation personnel. Another site visit and meeting was held on June 3, 2004 to discuss USMA comments on the August 2003 CTT Report. Subsequently, three conference calls were held between Malcolm Pirnie and USMA personnel in June and July 2004. A revised Final Phase 3 CTT Report was submitted in August 2004. The purpose of the data collection process was to obtain information regarding the history of USMA, as well as regulatory involvement, including Formerly Used Defense Site (FUDS) and Base Realignment and Closure Act activity. The Final CTT Report identified ten closed and two transferred ranges and/or defense sites containing UXO, DMM, or MC.

### **1.3.2 Site Inspection**

The primary goal of the MMRP SI is to collect the appropriate amount of information necessary to make one of the following decisions: 1) whether a Remedial Investigation/Feasibility Study is required at a site; 2) whether an immediate response is needed, or 3) whether the site qualifies for no further action. The SI at USMA will address UXO, DMM, and MC for the MMRP sites. The secondary goal of the SI is to collect information for building the MMRP program, to include Cost to Complete estimates, and site prioritization for the MMRP sites.

## **1.4 REPORT ORGANIZATION**

This HRR contains the following sections:

### Volume 1 – Report and Appendices

- Section 1 – Introduction
- Section 2 – Site Description
- Section 3 – Data Collection and Document Review Process
- Section 4 – Summary of Findings
- Section 5 – Conclusions

[Note: A Conceptual Site Model was not requested at this time.]

### Appendix A – Document and Research Sources

### Appendix B – Document Index

[Note: All relevant documents located during the research conducted for this report are listed in the table contained in Appendix B; however, only copies of those documents that were cited within the report are included in Volume 2.]

### Volume 2 – Supporting Documents

Each document relating to the installation associated with these ranges/sites was numbered using an alphanumeric code for easy reference. The alpha designation used in this code matches the alpha code used to delineate ranges/sites associated with this installation in the Range Inventory. All statements of fact in this report are followed by a document number, which represents the document supporting this statement.

## **2.0 SITE DESCRIPTION**

The following sections summarize installation and MMRP site descriptions from the Range Inventory, including operational history and figures, which identify specific locations.

### **2.1 INSTALLATION DESCRIPTION**

USMA (commonly referred to as West Point) is located in Orange County, New York, on the west bank of the Hudson River. The installation is located approximately 44 miles north of New York City and approximately 13 miles south of Newburgh (Figure 1). USMA is comprised of two areas: the Main Post or campus and the Military Reservation and consists of approximately 15,974 acres, of which approximately 2,530 acres is the Main Post or campus portion of the installation. The Main Post contains the majority of the academic, residential, and support facilities. The remainder of the land is largely undeveloped and contains training facilities such as firing ranges and bivouac areas used during the summer to house and train cadets.

Of this nearly 16,000-acre reservation, 14,101 acres are classified as operational range (from Phase 2). The Phase 3 Range Inventory identified 10 closed ranges and 2 transferred areas, totaling approximately 1,564 acres. A series of batteries fired artillery during training throughout the Revolutionary War and continued to do so until World War II (WWII). The firing ranges associated with these batteries were used mostly for artillery firing practice, firing into Crow's Nest and Target Hill, areas used as an impact zone for artillery fired from the Cold Spring Foundry in the early 1800s.

West Point has been occupied by the U.S. Army since January 27, 1778, and is the oldest occupied military post in America to have continuously flown the nation's flag (WSPT04529).

### **2.2 MMRP SITE DESCRIPTIONS**

Twelve MMRP sites were identified at USMA during the Range Inventory and the area comprising the closed and transferred range areas are depicted on Figure 2. Ten of the ranges are closed facilities within the USMA installation. These ten sites include artillery batteries, small arms ranges, and artillery practice ranges. The two remaining ranges were transferred ranges that consisted of the firing fans for artillery batteries that extended beyond the boundaries of the installation. "Transferred" refers a range property that is no longer under military control. The total acreage of the closed area was reported as 469 acres and the total transferred area was 1,095 acres. Figure 3 shows the specific outline of each of the ranges included in the closed and transferred range areas as identified in the Final Range Inventory Report. Information regarding the twelve ranges, as described in the Range Inventory, is presented in sections 2.2.1 through 2.2.12.

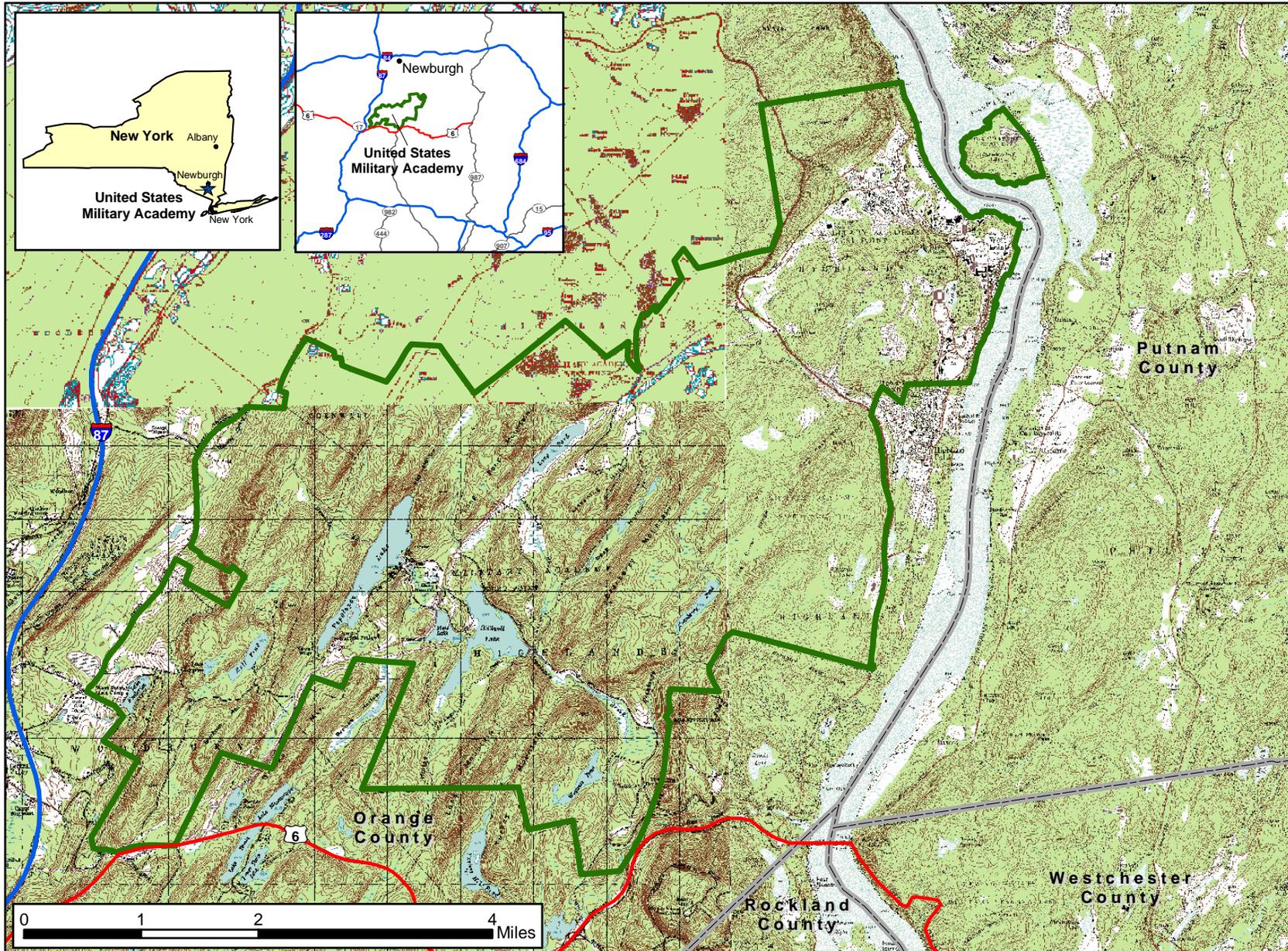
The information contained in Section 2 was obtained from the Final Range Inventory Report. Additional information regarding these sites, obtained as a result of the research conducted for this report, has been included in the MMRP Site Findings presented in Section 4.2 of this report. In some cases this supplemental information has changed the size, shape, dates of use, or munition types used at these ranges.



# Historical Records Review United States Military Academy, NY



Figure 1  
Installation Location  
Map



### Legend

- Cities
- ★ Installation Location
- Interstate
- US Highway
- Contours
- Installation Boundary
- New York Counties
- Water Bodies



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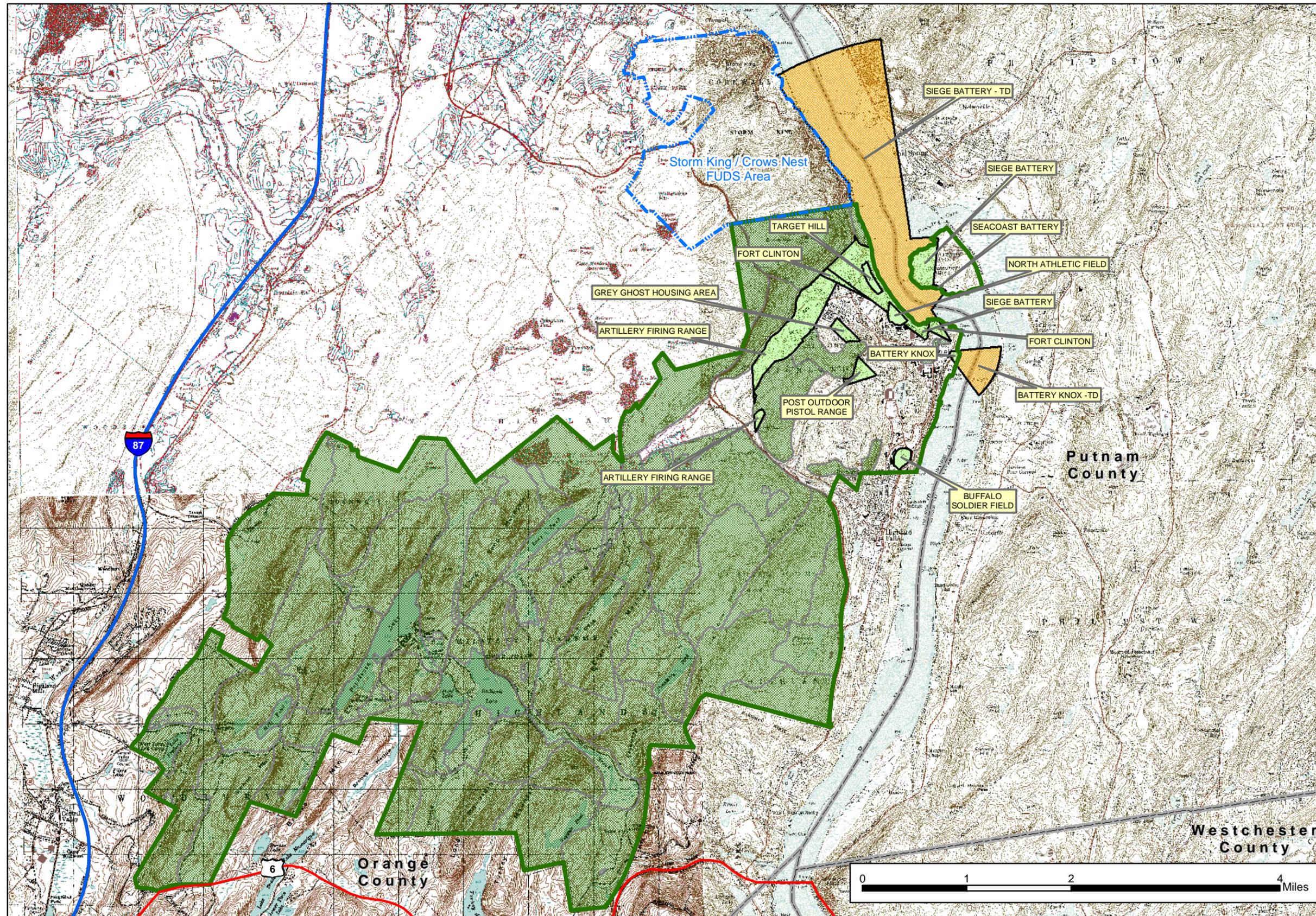


Figure 2  
Range Inventory Results

### Legend

- Interstate
- US Highway
- Contours
- Operational Range
- Closed Range
- Transferred Range
- Installation Boundary
- New York Counties
- Storm King/Crows Nest FUDS Area
- Water Bodies



Edition: Draft Report

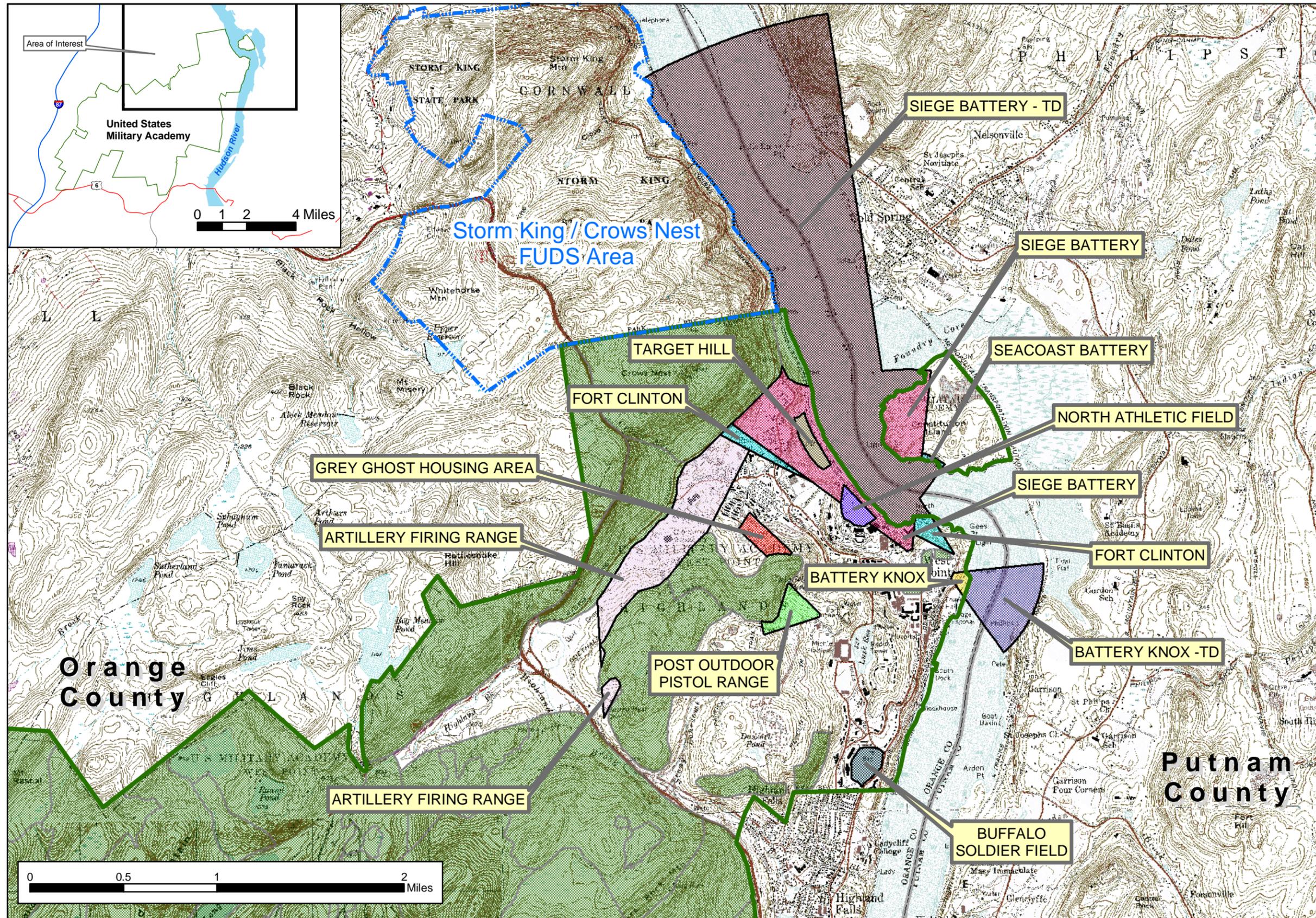
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# Historical Records Review United States Military Academy, NY



Figure 3  
Range Inventory  
Specific Range  
Boundaries Map



### Legend

- US Highway
  - Contours
  - Installation Boundary
  - Operational Range
- Range Name**
- ARTILLERY FIRING RANGE
  - BATTERY KNOX
  - BATTERY KNOX -TD
  - BUFFALO SOLDIER FIELD
  - FORT CLINTON
  - GREY GHOST HOUSING AREA
  - NORTH ATHLETIC FIELD
  - POST OUTDOOR PISTOL RANGE
  - SEACOAST BATTERY
  - SIEGE BATTERY
  - SIEGE BATTERY - TD
  - TARGET HILL
  - New York Counties
  - Storm King/Crows Nest FUDS area
  - Water Bodies



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### **2.2.1 Artillery Firing Range**

The Artillery Firing Range is comprised of three overlapping and concurrent artillery ranges: the Sacred Heart Cemetery Range, the Silver Depository Range, and the Adolphs Pond Range. The Artillery Firing Range is located approximately one mile west of Lusk Reservoir and extends almost due north towards Crows Nest. This range was used from 1909 until the 1930s for practice firing of 75mm rounds.

The majority of the area that comprises the Artillery Firing Range fans is located within the USMA installation boundary with portions in both operational and closed range areas. This range also extends outside of the installation boundary into the Storm King/Crows Nest FUDS Area. Those portions of the range fans that are within the operational range area or the FUDS area are not addressed in this report. The size of the closed portion of the Artillery Range Fan is 171 acres. A small portion of this range fan extends beyond the installation boundary over the Hudson River. This transferred portion of the range is discussed under the Siege Battery – TD in Section 2.2.11 of this report.

### **2.2.2 Battery Knox**

The Battery Knox range is comprised of 6 acres and is the land portion of the range fan for Battery Knox. Battery Knox was located on the shore of the Hudson River, south of Gees Point, and fired to the southeast across the Hudson River for the defense of the river. Battery Knox was established between 1836 and 1860 and was demolished during the WWII era. Its present day location is the parking lot between Lincoln Hall (Building 607) and Building 609.

### **2.2.3 Battery Knox - TD**

Battery Knox-Transferred (TD) is comprised of 1,144 acres and is the transferred portion of the range fan for Battery Knox that extends beyond the installation boundary. The range extends southeast of the firing point over the Hudson River and onto land on the eastern shore of the Hudson River. This property is not owned or managed by the Army.

### **2.2.4 Buffalo Soldier Field**

Buffalo Soldier Field is comprised of 16 acres and is located on the eastern edge of the USMA reservation across the street from the Hotel Thayer. This athletic field, formerly called Cavalry Plain, was rededicated as the Buffalo Soldier Field in 1973. This area was used in support of cadet riding instruction and mounted drill by African-American Army troops of the 9<sup>th</sup> and 10<sup>th</sup> U.S. Cavalry regiments from 1907 until 1946. The field is currently home to the Army women's softball team and is used for various intramural sports.

### **2.2.5 Fort Clinton**

Fort Clinton is comprised of 27 acres and is located on the eastern edge of USMA just southwest of Gees Point. The range extends towards Crows Nest to the northwest;

although, at one time, firing did occur to the northeast across the Hudson River. This range includes only the closed portion of the range fan not overlapped by any other ranges or within the operational range area. The range is split into two non-contiguous segments. The portions of the range fan that extend beyond the USMA boundary and are not located within the Storm King FUDS area are included within the Siege Battery – TD range and are discussed in Section 2.2.11.

Fort Clinton was formerly known as Fort Arnold and, in some instances, was referred to as Camp Clinton. It was used for training purposes with practice ordnance from 1778 until the 1830s, and for firing practice from the 1830s until 1927. As of 1927, the site became a monument and historic site.

### **2.2.6 Grey Ghost Housing Area**

The Grey Ghost Housing Area is comprised of approximately 18 acres and is located in the central campus area west of the batteries and the North Athletic Field. The Grey Ghost Housing Area lies adjacent to and is partially overlapped by operational range area. This area was used between 1920 and 1940 by USMA cadets for small arms training. The property comprising the Grey Ghost Housing Area no longer contains firing ranges and is currently used for residential purposes.

### **2.2.7 North Athletic Field**

The North Athletic Field is comprised of 14 acres, and is located along the shore of the Hudson River, within the central campus area of USMA. In 1937, the Army Athletic Association started a project which involved the construction and expansion of the athletic fields. The North Athletic Field was constructed by using fill from Target Hill (Section 2.2.12). The removal of fill from Target Hill began in 1944 and was completed in 1945. Approximately 60,000 square yards of level ground were added to the North Athletic Field. Prior to 1944, this area was used for recreational purposes. Artillery firing was never conducted at this site. Although there is no evident munitions issue at this site, the potential may exist due to the removal and use of fill dirt from the Target Hill impact area which may contain ordnance items.

### **2.2.8 Post Outdoor Pistol Range**

The Post Outdoor Pistol Range is comprised of 22 acres of land within the boundaries of USMA, and is located in the central portion of the installation, to the south of the main campus area. The firing point and berm are located within other than operational range area. The range is currently undeveloped. The pistol range was a training and practice area for .45 caliber pistols. It was built in the early 1930s and remained in existence until around 1953.

### **2.2.9 Seacoast Battery**

The Seacoast Battery is comprised of approximately two acres and is the land portion of the Seacoast Battery. The water portion of this range fan, which extends beyond the

installation boundary, is addressed under Siege Battery – TD (Section 2.2.11). The Seacoast Battery is located on the north waterfront of the Hudson River, immediately north of the North Dock Landing. The Seacoast Battery was used from approximately 1860 until 1940 by academy trainees. Currently, no traces of the Seacoast Battery survive, and its former location is used as the North Dock Parking Lot.

### **2.2.10 Siege Battery**

The Siege Battery range is comprised of approximately 179 acres and is a portion of the range fan for the old Siege Battery. The Siege Battery was located on the slope of the hill below the Battle Monument, at what is now called Trophy Point. A portion of the Siege Battery firing fan overlaps the firing fans of the Seacoast Battery and Fort Clinton. The portion of the range that extends over Constitution Island is considered closed range, since Constitution Island is Army-owned. The remaining portion of the range fan is considered transferred, as it extends over the Hudson River and is addressed under Siege Battery – TD (Section 2.2.11). A large portion of the area is currently used for historic monuments.

The Siege Battery was constructed between 1836 and 1860. Practice firings occurred from 1846 until 1940. During the WWII era, the battery was demolished and the guns were given to a scrap drive.

### **2.2.11 Siege Battery – TD**

Siege Battery-TD encompasses 3,499 acres extending north over the Hudson River and into Dutchess and Putnam Counties on the east shore of the Hudson River. This range consists of the transferred portions of several overlapping range fans, which were combined into one range because they shared similar uses, munitions, and use dates. Specifically, the range is comprised of portions of the following range fans: Artillery Firing Range, Fort Clinton, Seacoast Battery, and Siege Battery. This range is currently owned by the United States under the jurisdiction of the U.S. Fish and Wildlife Service and the National Oceanic and Atmospheric Administration, the State of New York, and numerous private parties.

### **2.2.12 Target Hill**

Target Hill is comprised of approximately 14 acres and is located north of the North Athletic Field within the main campus area, along the shore of the Hudson River. Target Hill was used by USMA cadets for short-range artillery firing from approximately 1900 until the late 1930s. Artillery firing may have been conducted on Target Hill as early as 1812 from the West Point Foundry. In 1944, Target Hill was removed and the soil was used to construct athletic fields. It is possible that munitions related materials may remain in the area.

### **3.0 DATA COLLECTION AND DOCUMENT REVIEW PROCESS**

Six primary sources of information were researched as part of the data collection effort for the HRR. The sources of data included:

- 1) National Archives and Records Administration (NARA), including both national and regional archives;
- 2) U.S. Army Corps of Engineers (USACE) records review, including review of real estate records and existing Archive Search Reports;
- 3) Installation site visit and interviews;
- 4) Historical societies and libraries;
- 5) Review of Phase 3 Inventory Report and backup data; and
- 6) Internet Research.

### **3.1 DATA COLLECTION METHODS**

The following sections describe the data collection methods for the six primary sources identified above. The actual sources contacted and a list of relevant documents and information collected for this report are presented in Appendices A and B.

#### **3.1.1 National Archives and Records Administration**

Relevant archival record repositories and record groups (RGs) were selected based on guidance set forth in the “*Technical/Regulatory Guideline for Munitions Response Historical Records Review*,” prepared by the Interstate Technology & Regulatory Council Unexploded Ordnance Team and based on the process developed by the USACE for performing Archives Search Reports (guidance provided at <http://www.mvs.usace.army.mil/enr/ed-p/asr.htm>). The archival repositories and RGs that were searched for this HRR are listed below.

- NARA, National Archives, College Park, Maryland
  - RG 18, Central Decimal Files, 1917-1938, West Point Military Academy
  - RG 77, Historic Maps
- NARA, Washington, D.C.
  - Microfilm ID No. 220, Reports of the Secretary of War to Congress, 1803-1870
- NARA, United States Military Academy, West Point, New York. The Archives and Special Collections Branch of the USMA Library is a satellite branch of NARA and maintains the historic records for USMA. The RG number for these documents is RG 404. TechLaw reviewed a finding aid for this RG and reviewed documents from the following entries:
  - Entry 2, Letters sent by the Superintendent, 1838-1840 and 1845-1902  
Relevant copies were made.

- Entry 87, General Correspondence, 1917-1958  
Relevant copies were made.
- Entry 88, Orders from the Department of Tactics, 1842-1899  
No relevant copies were made.
- Entry 89, Issuances from the Department of Tactics, 1920-1973  
(Administrative and Training Memorandums)  
Relevant copies were made.
- Entry 107, Daily Reports of Military Instruction, June 1898-June 1904  
No relevant copies were made.
- Entry 110, Records relating to the Annual Practice March, 1914 and 1918  
No relevant copies were made.
- Entry 111, Training Schedules, 1926-1940  
No relevant copies were made.
- Entry 115, Property Books of the Cadet Quartermaster, 1905-1919  
No relevant copies were made.
- Entry 220, Information relating to the Lands Comprising the Military  
Reservation at West Point, 1723-1889, 1891  
Relevant copies were made.
- Entry 279, Quartermaster Quarterly Reports, 1837-1849  
No relevant copies were made.
- Entry 280, Post Facilities Report, 1889  
Relevant copies were made.
- Entry 282, Specifications for Construction Projects, 1899-1907  
No relevant copies were made.
- Entry 325, Reports, September 1903-April 1905  
No relevant copies were made.

### **3.1.2 Site Visit**

Site visits to USMA were conducted in July, August, September, and October 2004 by TechLaw personnel. The site visits were conducted to review relevant installation records in order to complete the HRR for USMA. The TechLaw researchers reviewed and obtained files from the Environmental Management Division, the Special Collection and Archives Branch at the USMA library, the museum at USMA, and the Real Property Office. Additionally, a site tour was provided by Mr. Douglas Cubbison, Environmental Planner and Architectural Historian, during the July 2004 visit.

### **3.1.3 Historical Societies**

In October 2004, TechLaw conducted research at the Putnam County Historical Society and reviewed records relating to the general history and businesses of Cold Spring, maps and deeds of Putnam County, newsletter and documentation regarding the production of heavy ordnance, civil war artillery, and an archaeological dig conducted by Michigan Technical University. TechLaw also contacted the caretaker of the Cold Spring Foundry to determine if they may have any information pertaining to test firing of ordnance from the Cold Spring Foundry toward the target areas at USMA.

### **3.1.4 Phase 3 Inventory Report**

The purpose of the *Closed, Transferring, and Transferred Range/Site Inventory Report for US Military Academy West Point, Malcolm Pirnie, August 2004* was to identify CTT ranges that are not within the operational training areas of USMA. The specific requirements of this investigation included: mapping CTT ranges and sites with UXO, DMM, or MC; collecting and preparing the data for inclusion in the Range Inventory Database; conducting an assessment of explosive safety risk using the Risk Assessment Code on each CTT range or site; and determining which sites potentially qualify for the MMRP. Information collected during the Phase 3 Range Inventory was reviewed, and applicable information was extracted from the report for inclusion in the HRR.

### **3.1.5 Internet Research**

In addition to the data sources listed above, TechLaw also conducted research on the Internet to supplement the archival data and information received from the installation.

## **4.0 SUMMARY OF FINDINGS**

The following sections provide a summary of the chronological history of USMA, MMRP findings for the USMA ranges, and potential MEC and MC expected to be found at each of the sites. These sections also provide information that was developed subsequent to the Range Inventory in support of this HRR. This supplemental information is intended to help refine the data developed for the Range Inventory and in some cases may have changed the preliminary data substantially. This additional information may have impacted the size, location, or shape of the ranges as well as period of use or munition types. The supplemental information acquired for the MMRP sites associated with USMA is highlighted in the subsections presented below and is supported by various figures to facilitate the understanding of these changes on the part of the reader.

### **4.1 IN-DEPTH CHRONOLOGICAL HISTORY OF INSTALLATION**

The history of West Point dates back to the Revolutionary War, when the strategic importance of the commanding plateau on the west bank of the Hudson River was realized. General George Washington considered West Point to be the most strategic position in America. West Point had many advantages for being selected as a site to build fortifications on the Hudson River. Vessels passing by West Point had to make a sharp, ninety-degree turn to the west, sail a quarter of a mile, then make another right-angle turn to the north as they continued upriver. These bends were sharper than any point along the Hudson, creating hazards for ships passing through. In addition to the turns in the river, the river was also very narrow, the tidal effects were the greatest, and the current was the swiftest at this location. The treacherous winds also created difficulties for ships trying to navigate through this section of the Hudson (WSPT04523-04550).

Construction of forts and batteries in the area of West Point began in the summer of 1775. However, the original location was not the site of the future military academy, but across the Hudson River on Constitution Island (then called Martelaer's Rock) (WSPT04561). Problems immediately became apparent in the use of Constitution Island by the Continental Army. The area was vulnerable to attack by land and was dominated by higher ground on all sides, especially, from West Point across the river (WSPT04577). Other fortifications were built along the Hudson River including Fort Clinton to the south of West Point at the confluence of Popolopen Creek and the Hudson River. Many of these fortifications were destroyed by the British in October 1777 (WSPT04606). Until January 1778, West Point was not occupied by the military. On January 27<sup>th</sup>, Brigadier General Samuel Holden Parsons and his brigade crossed the ice on the Hudson River and climbed to the plain on West Point. From that day to the present, West Point has always been occupied by the U.S. Army (WSPT04636).

The fortifications at West Point were designed by Mr. Thaddeus Kosciuszko in 1778. By the summer of 1779, the fortifications at West Point were expanded to their fullest. From that time until the end of the Revolutionary War, engineering work focused on improvements and reconstruction of West Point (WSPT04766). General Washington

transferred his headquarters to West Point in 1779. Continental soldiers built forts, batteries, and redoubts (small fortifications in which soldiers could hide while fighting) and extended a chain across the Hudson River to prevent the passing of British ships. The chain, known as the Great Chain, was placed in the river on April 30, 1778, measured approximately 1,600 feet, and weighed between 180 and 186 tons (WSPT03642).

At the end of the Revolutionary War in 1783, the materials used to construct West Point were sold in an attempt by the new country to recoup some funds. Although West Point continued to be occupied, its importance as a strategic point along the Hudson River would not be a focus until 1794 when tensions between France and England began to rise in Europe (WSPT04868).

West Point became an institution devoted to teaching the arts and sciences of warfare in 1802, when President Thomas Jefferson signed legislation establishing the United States Military Academy. USMA's first cadets were assigned to the Corps of Artillerists and Engineers (which later became the Corps of Engineers) at West Point in 1802. The cadets were instructed in practical experience in the use of artillery (WSPT03621). USMA remained under the control of the Corps of Engineers until June 1866 when it was returned to the supervision of the Secretary of War (WSPT05061).

Colonel Sylvanus Thayer, the "father of the Military Academy," was the Superintendent at the academy from 1817 to 1833. Colonel Thayer made civil engineering the foundation of the curriculum. According to a document titled *The United States Military Academy, 1833-1866: Years of Progress and Turmoil*, dated 1970, the academic environment at USMA from 1833-1854 required that the cadets be trained in practical military engineering, and other professional subjects, such as infantry, artillery, and cavalry tactics, equitation and the "sword exercise," or fencing (WSPT04481).

USMA graduates were largely responsible for the construction of the bulk of the nation's initial railway lines, bridges, harbors, and roads. Academy graduates, headed by Generals Grant, Lee, Sherman, and Jackson, set high standards of military leadership during the Civil War (WSPT05735).

By 1839, the lands comprising USMA had been obtained from the original patents of John Moore, Charles Congreve, and Gabriel and William Ludlow (WSPT03900). A document dated 1889 states USMA consisted of 2,330 acres of land, and that at times challenges had been made to the jurisdiction of these lands by the military, but that courts had always withheld the validity of the military's control (WSPT02000).

USMA was the principal testing ground for ordnance in the 19<sup>th</sup> century. As a result, an extremely wide array of material was fired toward Target Hill and Crow's Nest. Cadet training included artillery firing towards Target Hill and began around the War of 1812. Artillery pieces were fired from the West Point Foundry (commonly referred to as Cold Spring Foundry), located on the eastern shore of the Hudson River in the Village of Cold Spring, Putnam County. Firings to the west toward Crow's Nest occurred from the 1820s through the 1870s. In the early 1930s, the construction of the Storm King Highway along

the northern boundary of West Point made the Crow's Nest area unsuitable for field artillery practice because firings occurred over the highway. For several years after the highway opened, artillery practice continued, which resulted in traffic being suspended for certain hours for some days during the summer (WSPT04477). To alleviate this problem, USMA acquired approximately 15,000 acres of additional property to the south and west, and target practice was moved out of Crow's Nest and Target Hill by the mid-1930s (WSPT04476).

The property acquired by USMA is outlined on a map with an estimated date of 1929. The map delineates an area of 15,135 acres that was proposed to be acquired by USMA. This map is located at document number WSPT04090, provided in Appendix B. The proposed acquisition was located south and west of the main USMA reservation. The map also outlines the main USMA reservation as consisting of 2,522.82 acres. Another portion of the USMA reservation, consisting of 719.503 acres and located approximately 3.25 miles southwest of the main reservation, is shown on the map. This area was noted as a camp site. The 15,135 acres proposed for acquisition extended between the main reservation and the camp site (WSPT04028, WSPT04090).

USMA underwent expansion and renovations of its facilities during the early years of the 20<sup>th</sup> century. In addition, its curriculum was modified extensively to prepare its cadets for participation in two world wars and the rapid advancement of military technologies (WSPT05061). Currently, USMA graduates approximately 900 new officers each year from a student body that numbers 4,000. USMA occupies approximately 16,000 acres and continues to provide a wide-range of military field training for its cadets, including summer training activities.

## **4.2 MMRP SITE FINDINGS**

Detailed information regarding the operations conducted and munitions used at the twelve MMRP sites is presented below. In addition, information regarding the operations conducted and munitions used at three additional firing ranges identified during the research conducted for this report, is also presented below.

### **4.2.1 Artillery Firing Range**

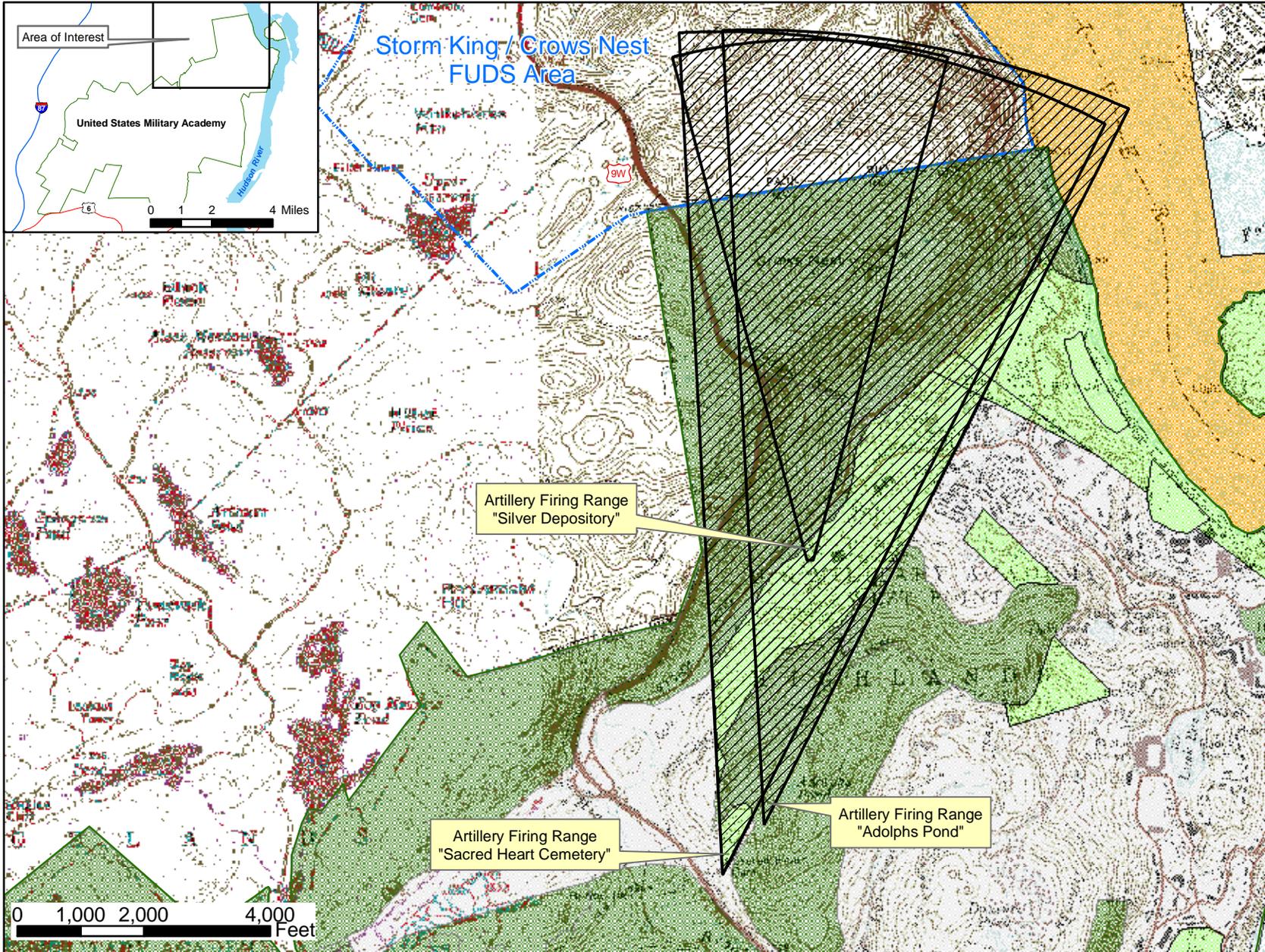
This range is comprised of three ranges: Sacred Heart Cemetery Range, Silver Depository Range, and Adolphs Pond Range (Figure 4). The northeastern portions of the three artillery ranges extend beyond the installation boundary into the Crows Nest FUDS Area. In addition, the northeastern corners of the Sacred Heart Cemetery Range and the Adolphs Pond Range extend over the Hudson River and make up a portion of the Siege Battery – TD. According to the Range Inventory, the ranges were used for practice firing of 75mm rounds from 1909 until the late 1930s. However, in a document created by the USMA Historian that summarizes artillery activities, artillery firing occurred as early as 1906 (WSPT05446-05447). The 75mm munitions were fired from 2.95-inch Vickers-Maxim Mountain Howitzers (WSPT00416, WSPT03134). The firing points were located to the southwest of the main campus, and firing was generally conducted towards the Crows Nest FUDS area.



# Historical Records Review United States Military Academy, NY



Figure 4  
Firing Points for the  
Artillery Firing Range  
MMRP Site



- Legend**
- US Highway
  - Contours
  - Range Firing Fans
  - Installation Boundary
  - Storm King / Crows Nest FUDS Area
  - Operational Range
  - Closed Range
  - Transferred Range
  - Non Range, Non UXO-DMM-MC Area
  - Water Bodies



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In the early 1930s, the construction of the Storm King Highway along the northern boundary of West Point made the Crow's Nest area unsuitable for field artillery practice because firings occurred over the highway. For several years after the highway opened, artillery practice continued, which resulted in traffic being suspended for certain hours for some days during the summer (WSPT04477). To alleviate this problem, USMA acquired approximately 15,000 acres of additional property to the south and west and target practice was moved out of Crow's Nest by the mid-1930s (WSPT04476).

Several investigations into UXO and MEC have been conducted in relation to the Crows Nest FUDS area, which is also referred to as Storm King and Palisade Park. The types of UXO and MEC anticipated in the Artillery Firing Range would be similar to those identified in the studies for the FUDS area, because some of the munitions found in Crows Nest were fired from the firing points within the Artillery Firing Range. Summaries of these investigations are presented in the following paragraphs.

In a 1994 survey of Crows Nest and the surrounding area, several types of UXO including fuzed and fired ordnance were identified. These UXO included a 2.25-inch projectile, a 15-inch mortar shell from the Civil War Era, and 75mm projectiles (WSPT03568-03569).

Following a fire in Palisade Park in August 1999, the area was closed to the public because of concerns over the presence of UXO. A Time Critical Removal Action was conducted from June through October 2000 at Palisade Park to clear trails, trailheads, firebreaks, and highway shoulders resulting in the onsite destruction of 23 UXO items. The items identified included 75mm ejection rounds, 75mm rounds, 75mm high explosive (HE) rounds, and 1907m Powder Train Time Fuzes (PTTF) (WSPT03485-03514).

In April 2001, a geophysical survey was conducted in an area near the Lee Gate entrance at USMA. The survey area extended from the north at the intersection of Highway 218 and Lee Road to an elementary school and hospital at the southwest. The area is bounded on the northwest by Highway 218 and on the southeast by the Lee Family Housing Area (WSPT03530-03531). The area of this study covered portions of the Artillery Firing Range, Fort Clinton, and the Siege Battery (Figure 5). The survey identified 1,539 anomalies within the study area (WSPT03553). The U.S. Army Engineering and Support Center in Huntsville, Alabama evaluated the data for the geophysical survey and recommended that USMA conduct sampling in the area to determine if the anomalies were ordnance related (WSPT03520). No documents were located to indicate that this sampling was conducted.

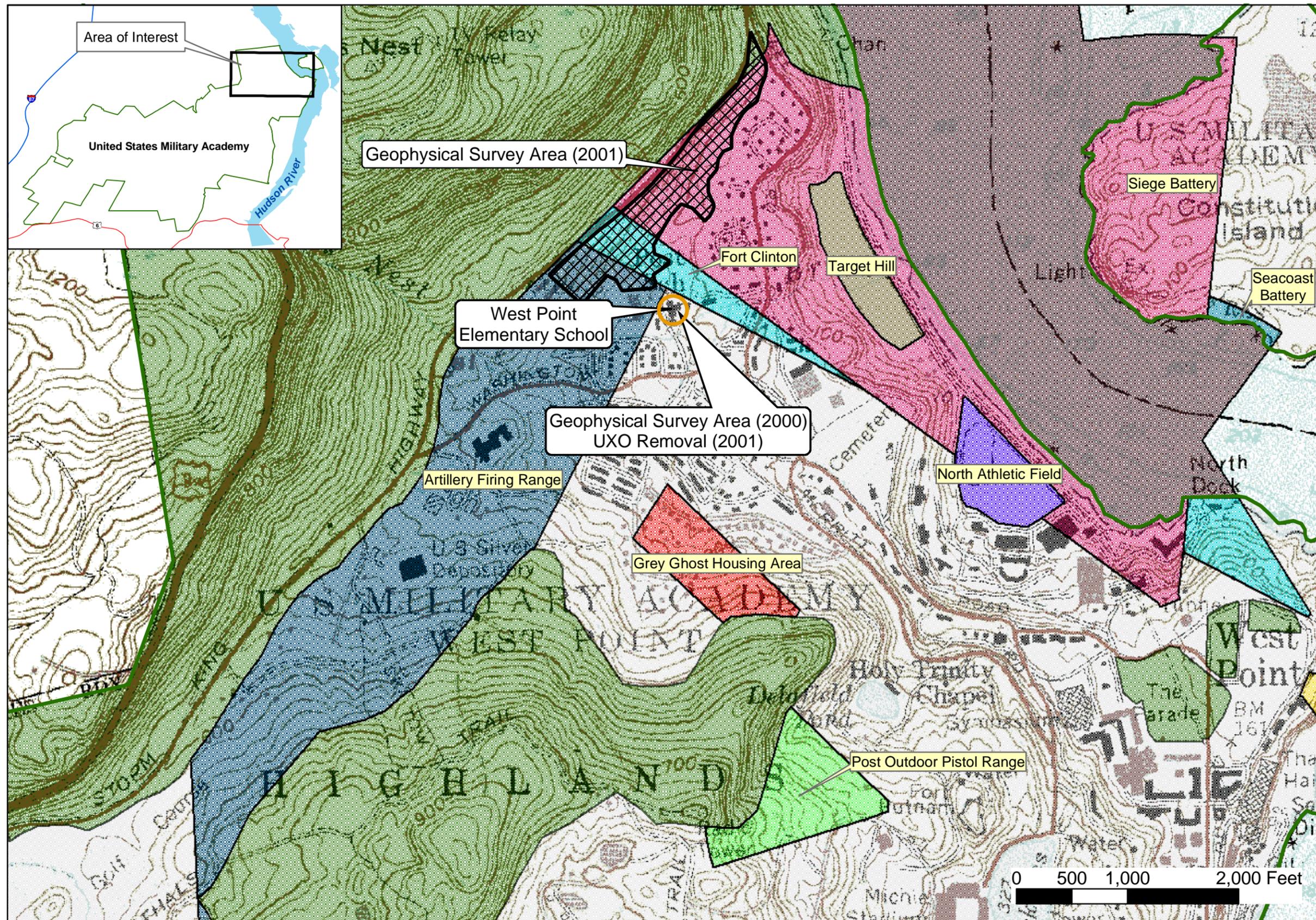
A July 2002 Engineering Evaluation/Cost Analysis (EE/CA) prepared by Parsons for the Storm King site provides some additional information about the types of munitions used at the Artillery Firing Range. The EE/CA was developed for the Storm King site, which encompasses the entire Palisades Park adjacent to West Point and a New York Central Railroad easement. The scope of the EE/CA was to characterize the type, location, and distribution of ordnance and explosives and unexploded ordnance present within Palisades Park to the north and west of the Crows Nest area within the boundary of West



# Historical Records Review United States Military Academy, NY



Figure 5  
Geophysical Study Areas  
and UXO Removal



### Legend

- US Highway
  - Contours
  - Installation Boundary
  - Geophysical Survey Area
- Range Name**
- Artillery Firing Range
  - Battery Knox
  - Battery Knox -TD
  - Buffalo Soldier Field
  - Fort Clinton
  - Grey Ghost Housing Area
  - North Athletic Field
  - Post Outdoor Pistol Range
  - Seacoast Battery
  - Siege Battery
  - Siege Battery - TD
  - Target Hill
  - Operational Range
  - Closed Range
  - Transferred Range
  - Non Range , Non UXO-DMM-MC Area
  - Water Bodies



Source:  
WSPT03531

Edition: Draft Report

Date: January 2005

0 500 1,000 2,000 Feet

Point. The EE/CA summarizes the findings from other studies related to UXO and MEC that have been conducted in the Storm King and surrounding areas. During the EE/CA a geophysical survey identified 7,165 anomalies that were investigated at the Storm King site. Of these anomalies, nine were 75mm projectiles (HE and shrapnel), one was a 6-inch MK 34 projectile, and 476 were ordnance-related scrap (WSPT03568-03569, WSPT05444).

#### **4.2.2 Battery Knox and Battery Knox-TD**

The Battery Knox range encompasses 6 acres on the West Point reservation, and is the land portion of the range fan for Battery Knox. Battery Knox was located on the west bank of the Hudson River and fired to the southeast across the river.

Based on information reviewed for the Range Inventory regarding the types of weapons and ammunition used at Battery Knox, the extent of the associated range fan was determined to encompass 1,144 acres. However, historical records were not available that actually defined the extent of the range. The range extended southeast of the firing point at Battery Knox over the Hudson River and into Putnam County on the east side of the river. However, the range fan was modified based on information provided by USMA that indicated all firing from the battery was done directly into the bluffs on the east bank of the Hudson River. Therefore, no munitions would be located beyond the river bank. As currently reported in the Range Inventory, Battery Knox – TD encompasses 81 acres and is approximately one-fifth the original distance of the range fan. This range is the transferred portion of the range fan for Battery Knox and the property is not owned or managed by the Army.

Battery Knox contained six gun positions and ammunition magazines, and was established sometime between 1836 and 1850; it appears on a drawing dated 1850 (WSPT02251). Although the original armament of Battery Knox is not known, four 10-inch Rodman rifles on coastal carriages were installed at the Battery during the era of the Civil War (WSPT04075, WSPT03644). Battery Knox was rebuilt in 1874, with modifications made to the armament and the orientation of the guns to improve both their defensibility and their ability to cover the river with firepower. An 1872 letter describes the modifications that would be necessary to prepare Battery Knox to receive new barbette artillery comprised of two 100-pounder Parrott guns, one 200-pounder Parrott gun, and four 8-inch Rodman guns (WSPT02169, WSPT03152, WSPT03153). No documentation was located to indicate that this proposed armament was ever installed.

By 1892, Battery Knox was armed with one 100-pounder Parrott 6.4-inch caliber rifle, one 300-pounder Parrott 10-inch caliber rifle, one 8-inch converted rifle, and four 10-inch Rodman rifles. At that time, the 10-inch muzzle-loaded Rodman guns were considered obsolete, and the 8-inch muzzle-loaded converted rifle was retained in service only for secondary purposes (WSPT00819, WSPT02169). When the Rodman guns became outdated they were retained at Battery Knox, and the Battery became a “ceremonial” or “salute” battery (WSPT02169). The 100-pounder Parrott rifle, the 300-pounder Parrott rifle, and the 8-inch converted rifle were removed from Battery Knox between 1906 and 1918 (WSPT04083). September 12, 1906 correspondence from USMA Headquarters

indicates that three guns and carriages were instructed to be removed from Battery Knox (WSPT03639-03640). According to “West Point – the Gibraltar of the Hudson,” written in 1918, practice from the battery occurred in April and October, but full charges were not used in any of the guns (WSPT04083). The battery appears on a 1937 map, but it was demolished sometime during the WWII era (WSPT04092, WSPT04079).

#### **4.2.3 Buffalo Soldier Field**

Buffalo Soldier Field, formerly called Cavalry Plain, is comprised of 16 acres and was rededicated as the Buffalo Soldier Field in 1973. The field was used in support of cadet riding instruction and mounted drill by the African-American Army troops of the 9<sup>th</sup> and 10<sup>th</sup> U.S. Cavalry regiments from 1907, when the soldiers were first assigned to USMA, until 1946, when they were deactivated (WSPT05738). A Board of Visitors Report from 1905 indicated that money had been allocated for new buildings to include cavalry and artillery barracks, stables and gun shed (WSPT00393). This allocation was not specific to the Buffalo Soldier Field; however, based on the types of buildings and the date, it appears that this construction was related to the Buffalo Soldier Field. Prior to that time, the riding school and stables were located along the Hudson River, south of Battery Knox (WSPT05260, WSPT04087). In 1906, a Board of Visitors Report stated that the above listed buildings were under construction and the completion date was planned for October 1, 1906 (WSPT00410). The new stable was located three quarters of a mile from the riding hall (WSPT00433). The mounted drill ground, as well as the field artillery and cavalry stables and barracks appear on a 1912 map, just north of the South Gate in the area now known as the Buffalo Soldier Field (Figure 6) (WSPT04088). The area appears on additional maps from 1916 through 1939 and is labeled as the Artillery and Cavalry Drill Ground (WSPT04089, WSPT04090, WSTP04091, WSPT04092, WSPT04093). By 1956, the area was identified on a map as the Ground Arms Drill Ground and the surrounding buildings were no longer being used as stables (WSPT04094). This area is currently the field for the Army women’s softball team and is used for various intramural sports (WSPT05738).

Additional information regarding the specific activities conducted at the Buffalo Soldier Field was not located during research for this report. TechLaw is currently pursuing additional information regarding cavalry training procedures during the period of use of the Buffalo Soldier Field.

#### **4.2.4 Fort Clinton**

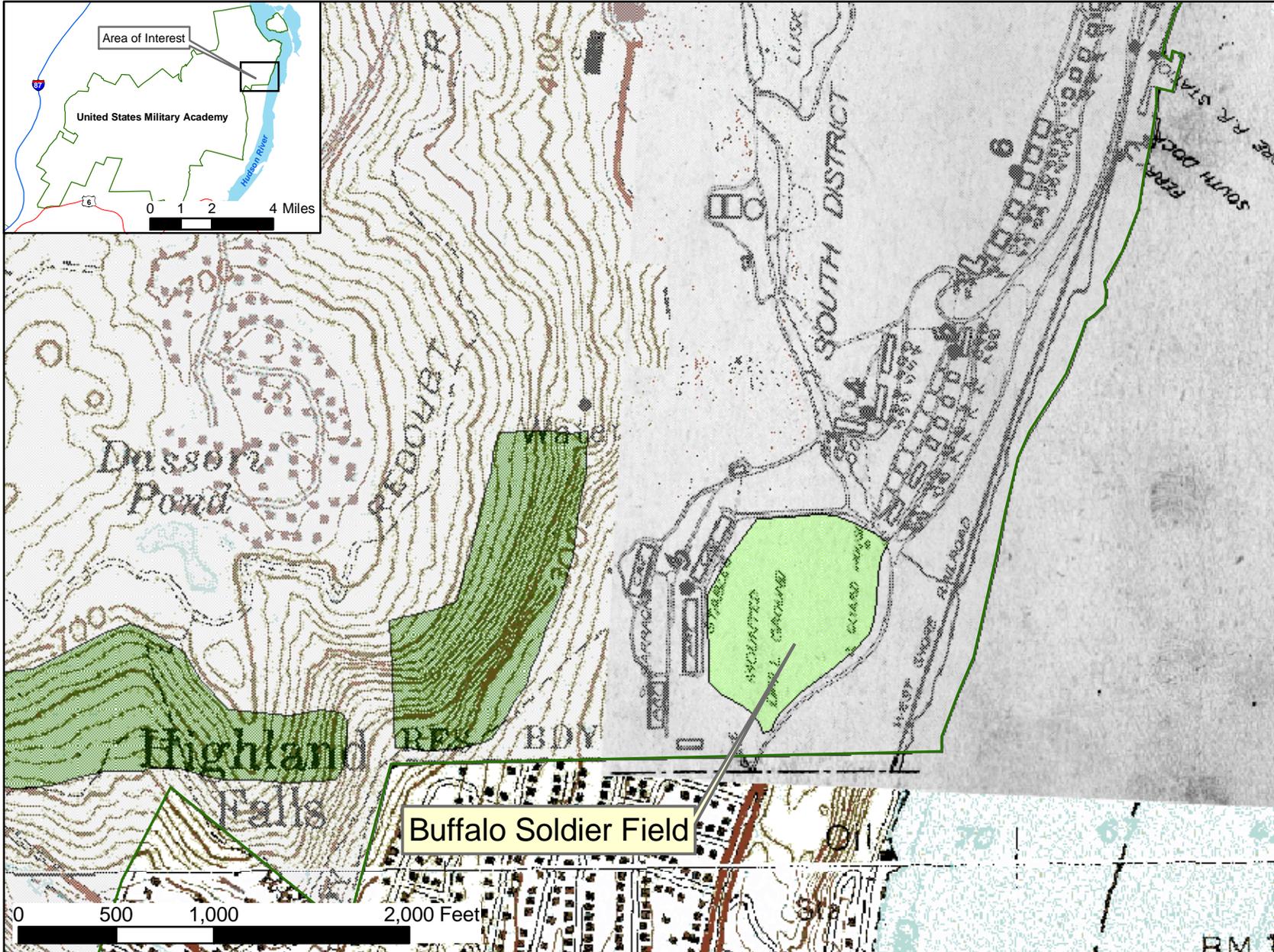
Fort Clinton was known as Fort Arnold prior to Benedict Arnold’s treason in September 1780. Construction of Fort Arnold and its water batteries began on March 12, 1778, on the eastern portion of USMA (WSPT04661). The fort was constructed of timber, earth, and fascines (bundles of live cuttings used for soil stabilization) and was designed to provide fortification for the chain that was placed across the Hudson River (WSPT04661). According to the Range Inventory Report, as of September 5, 1780, the fort contained one brass four-pounder on a traveling carriage, 11 brass mortars of various sizes, one iron 12-pounder on a garrison carriage, six iron 18-pounders on garrison carriages, and one iron 12-pounder on a stocked carriage. The batteries did not fire a shot



# Historical Records Review United States Military Academy, NY



Figure 6  
Location of Mounted  
Drill Ground (1912)  
at Buffalo Soldier Field



### Legend

- US Highway
- Contours
- Operational Range
- Closed Range
- Transferred Range
- Non Range
- Non UXO-DMM-MC Area
- Water Bodies



Source:  
WSPT04088

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during wartime; however, practice firings were routinely conducted. The position was abandoned at the end of the Revolutionary War, and the fort was renamed Fort Clinton.

The fort was used for artillery training and fired to the northeast across the Hudson River through the 1830s. The fort was then used for the practice firing of 75mm guns toward Crow's Nest from the mid-1800s until 1927. After 1927, all artillery practice was moved to Fort Monroe and Fort Eustis due to interference with traffic on Storm King Highway. As of 1927, the site has been a monument and a national historic site. The battery no longer exists, except for a short segment of the eastern parapet wall.

No additional information regarding the activities conducted at Fort Clinton was located during research for this report.

Several investigations into UXO and MEC have been conducted in relation to the Crows Nest FUDS area, which is also referred to as Storm King and Palisade Park. The UXO and MEC identified in the Crows Nest FUDS area could have been fired from several locations within USMA including Fort Clinton, the Artillery Firing Range, and the Siege Battery; therefore, it is anticipated that the Fort Clinton Range could contain MEC and MC similar to those identified in the studies, because some of the munitions found in Crows Nest were fired from the firing points within Fort Clinton. Summaries of these investigations are presented in the Section 4.2.1, Artillery Firing Range, above.

#### **4.2.5 Grey Ghost Housing Area**

The Grey Ghost Housing Area identified in the Range Inventory is comprised of approximately 18 acres and is located in the central campus area, west of the batteries and athletic field. Operations conducted at the machine gun range located within the current Grey Ghost Housing Area occurred from approximately 1920 to 1940. During this time the area was used by cadets for small arms training using a variety of weapon types. In addition, a rifle range was located in the area as early as 1939 (WSPT04093).

According to a 1925 Superintendent's Annual Report, a machine gun range was constructed in that year. The report states that "a 1,000-inch machine gun firing range has been installed which will increase the efficiency of machine gun instruction and present to the cadet a proper conception of the equipment of a machine gun range" (WSPT01835, WSPT01836). In November 1928, a recommendation was made that the 1,000-inch machine gun range be renovated and that a pistol range be added to the same location. The pistol range was to be designed to permit firing at 75, 50, 25, and 15 yards with 12 targets. Documents indicated that this location was already being used by the pistol team (WSPT02218, WSPT02222, WSPT02224). USMA also evaluated all its existing ranges to determine if changes were necessary. In this evaluation, the 1,000-inch machine gun range is described as being located in the vicinity of Sinclair Pond, which is located on the northwest side of USMA just south of Washington Road. Some of the advantages listed for this location were that it was easy to enforce safety precautions and the site had a natural backstop. Disadvantages cited included the need for trucks to transport cadets to the range for training, the need for underbrush clearing and drainage improvements, and the necessity to close the Pipe Line trail during training

(WSPT02229). The board that was reviewing the range information recommended that the current site remain in use as the machine gun range with modifications to improve the safety of its use (WSPT02222, WSPT02224, WSPT02230). By the end of November 1928, the plans for the construction of the pistol range and improvements to the machine gun range had been approved (WSPT02225).

USMA again evaluated the condition of its ranges in August 1931. The purpose of the review was to recommend the location of small arms, pistol, and machine gun ranges, and athletic and polo fields in the area immediately west of Route 9W. At that time, it was recommended that \$19,400 be allocated for the construction of a machine gun range (WSPT02233, WSPT02234). However, the intended location of this machine gun range is not indicated in the documents.

According to the Superintendent's Annual Report for 1937, the course in machine gun use occupied 30 hours and included machine gun marksmanship, firing at 1,000 inches, machine gun drill, infantry weapons training, and small arms training (WSPT01938). Summer instruction for June 1938 included training at the machine gun range with .30 and .22 caliber machine guns (WSPT05721-05722).

Additionally, a memorandum dated December 6, 1938 from the Commandant of Cadets to the Superintendent, entitled "Facilities Needed for Summer Training," recommended that the number of firing points at the machine gun range be increased from 15 to 25 "in a northwest direction". The memorandum also recommends that the range remain suitable for use as a pistol training facility and that coverings be constructed to permit rainy weather firing over the targets and firing points. It was also recommended that a permanent brick building be constructed at the machine gun range for the storage of ammunition, targets, and the machine guns (WSPT03683). In response to the December 6, 1938 memorandum, a memorandum for the Superintendent at USMA dated January 30, 1939, outlines proposed improvements for the machine gun range and the current rifle range. These improvements included the overhead protection at both the firing points and the target area and the brick storage facility for the storage of targets, ammunition, and paste for posting targets. Improvements also included the addition of an earth embankment approximately 20-feet high, using approximately 3,200 cubic yards of soil, at the target area for ricochet prevention and a new earth mound at the firing points (WSPT03689).

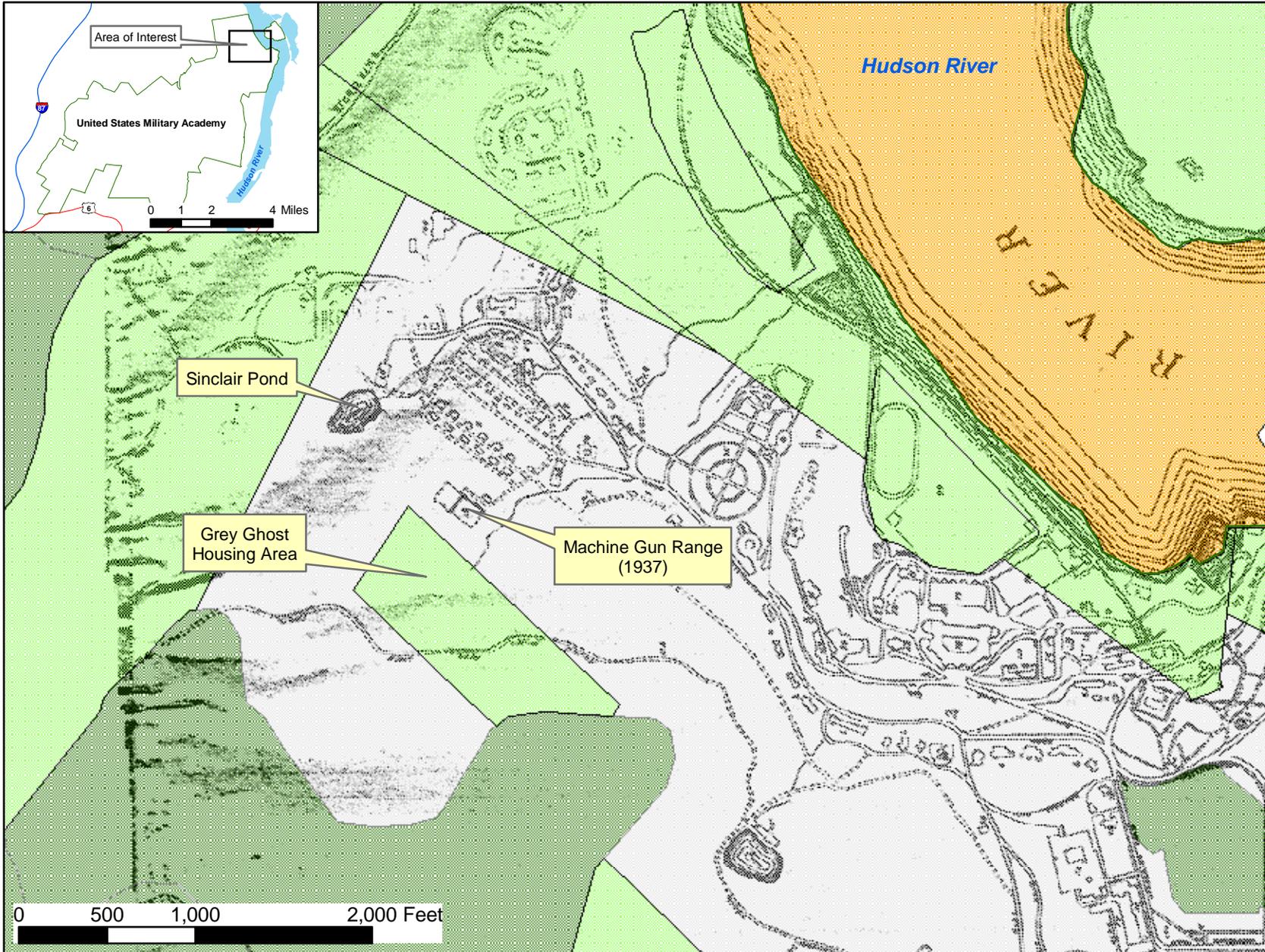
A memorandum dated June 17, 1939, outlines the times and dates for training to be conducted by cadets using both pistols and machine guns at the machine gun range. The direction of fire was noted as being to the southwest. The memorandum defines the danger zone as being bounded from the "Coast Artillery Hanger to the junction of Round Pond pipe-line trail with Storm King Highway (both exclusive), to Redoubt No. 4 (inclusive), to Delafield Pond (exclusive), and back to Coast Artillery Hanger No. 4 (exclusive)" (WSPT05623). The location of the machine gun range is identified on maps dated 1934, 1937, and 1939 (WSPT04091-04093). Figure 7 shows the location of the machine gun range from the 1937 map in relation to the Grey Ghost Housing Area range identified in the Final Range Inventory Report. Although the Range Inventory map and the 1937 map were geo-referenced, the 1937 machine gun range does not fall within the



# Historical Records Review United States Military Academy, NY



Figure 7  
Machine Gun Range  
Location (1937)



### Legend

- Operational Range
- Closed Range
- Transferred Range
- Non Range
- Non UXO-DMM-MC Area



Source:  
WSPT04092

Edition: Draft Report  
Date: January 2005

Grey Ghost Housing Area identified in the Range Inventory. The range is approximately 250 feet to the north of the Grey Ghost Housing Area. The reason for this discrepancy is not clear; however, it might be the result of less accurate mapping techniques used in the 1930s or the firing range identified from the 1930s map could be a different range from the one identified in the Range Inventory as the Grey Ghost Housing Area. Additional documentation to accurately identify the location of the Grey Ghost Housing Area was not found.

The placement of a rifle range to the west of the machine gun range appears on the 1939 map of USMA (Figure 8) (WSPT04093). The location a rifle range in this area is supported by a memorandum to the Superintendent dated December 6, 1938, that states the location of the small-bore rifle range just south of the Coast Artillery hangers is the most satisfactory site available (WSPT03684). The range was used for training with small arms ammunition no larger than .30 caliber (WSPT03658). Plans to modify the rifle range in 1939 included extending the existing high embankment, adding firing points, and adding overhead protection at the firing points for training in inclement weather (WSPT03689).

The area identified as the danger zone for the machine gun range and rifle range is much larger than the area identified as the Grey Ghost Housing Area in the Range Inventory. Remarks provided to the Superintendent by the Post Ordnance officer in February 1939 discussed the danger area for the machine gun range and rifle range. Based on the technical guidance available for firing .30 caliber ammunition, the Post Ordnance officer believed the area outside USMA near Redoubt 3, a portion of the Eagle Valley Road, and a portion of the Storm King Highway fell within the danger zone of the machine gun range and rifle range; however, because of the terrain of the area, the Post Ordnance officer believed there was minimal risk (WSPT03692). Figure 9 depicts the machine gun range and rifle range danger zones. These danger zones extend southwest across USMA and encompasses areas identified in the Range Inventory report as Operational Range, Non-Range Area, and Closed Range.

Based on the above findings, the area of the Grey Ghost Housing Area MMRP site has been modified from the area described in the final Range Inventory. Based on the topography of the area and the historical records regarding the use and design of the machine gun range and rifle range, the danger zones for the ranges shown in Figure 9 have been shortened to cover an area that could reasonably be assumed to address the area in which munitions from the ranges would be found. This area encompasses 26.84 acres. Figure 10 depicts the new location of the Grey Ghost Housing Area site.

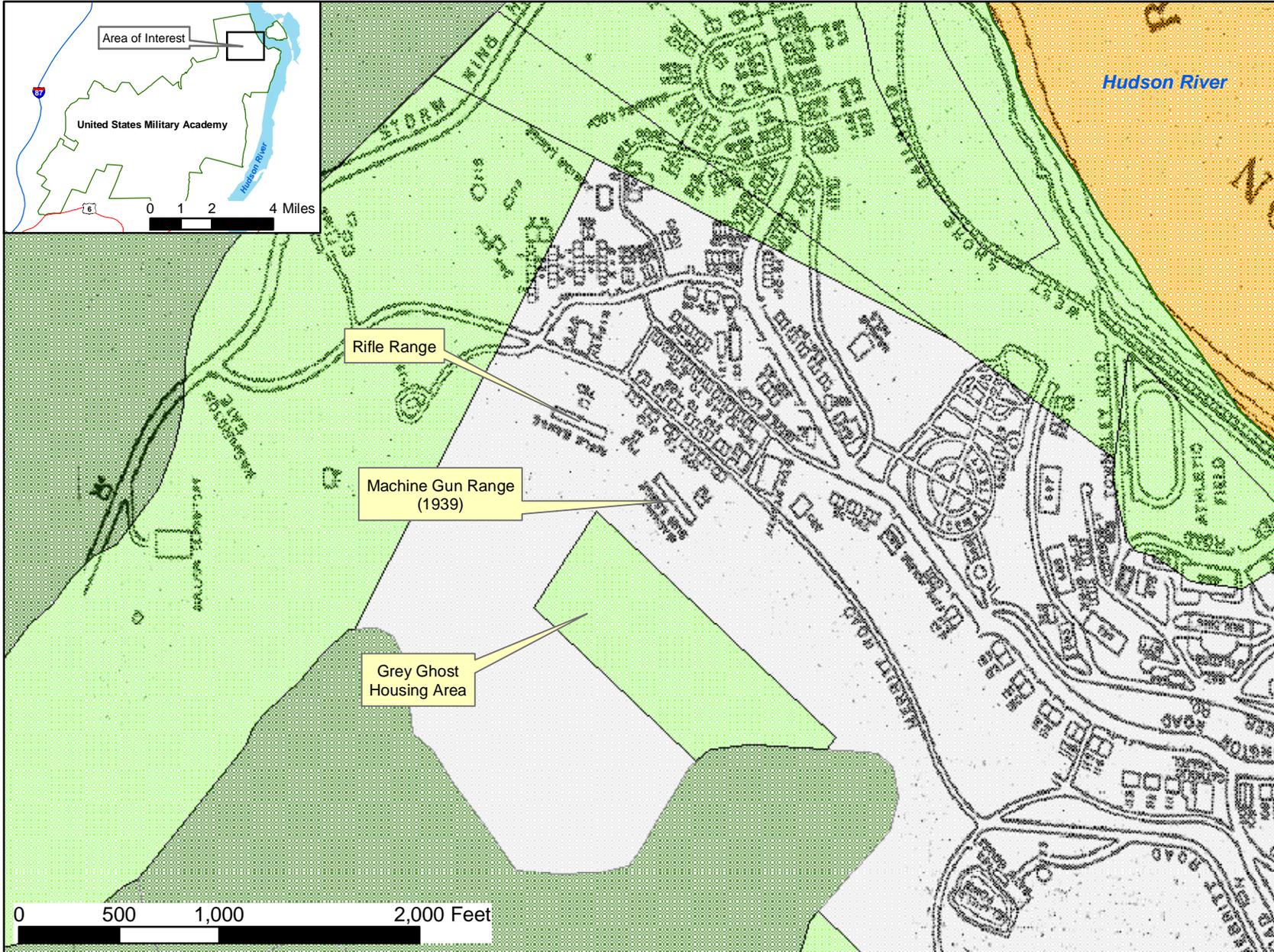
The location of the machine gun range and the rifle range appear on a 1950 drawing that depicts the location of 12 proposed family-type housing units (WSPT03664-03665). In this drawing, the area of the former machine gun range has been covered by buildings. On a 1956 Building and Construction development map, these buildings are identified as numbers 502, 503, 509, 510, and 511. The buildings were used as housing for non-commissioned officers (WSPT03664, WSPT04094). The 1956 map depicts construction of housing over the area of the rifle range as well as other buildings in the area including numbers 819 and 513 through 523 (WSPT04094).



# Historical Records Review United States Military Academy, NY



Figure 8  
Rifle Range Location  
(1939)



**Legend**

- Operational Range
- Closed Range
- Transferred Range
- Non Range
- Non UXO-DMM-MC Area



Source:  
WSPT04093

Edition: Draft Report

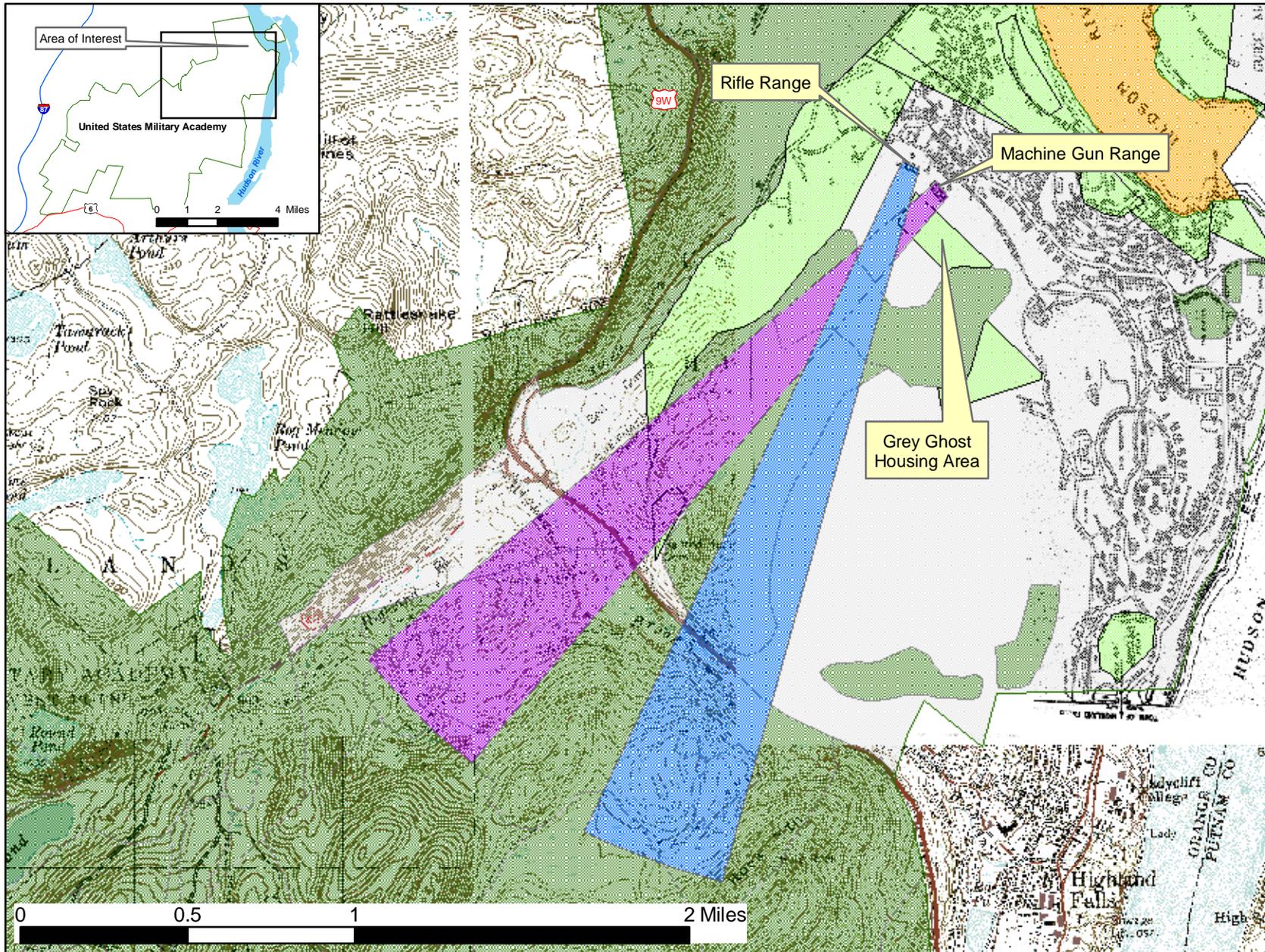
Date: January 2005



# Historical Records Review United States Military Academy, NY



Figure 9  
Machine Gun Range and Rifle Range  
Danger Zones  
(1939)



**Legend**

- US Highway
- Contours
- Installation Boundary
- Machine Gun Range Danger Zone
- Rifle Range Danger Zone
- Operational Range
- Closed Range
- Transferred Range
- Non Range, Non UXO-DMM-MC Area
- Water Bodies



Source:  
WSPT04093  
WSPT03692

Edition: Draft Report  
Date: January 2005



# Historical Records Review United States Military Academy, NY

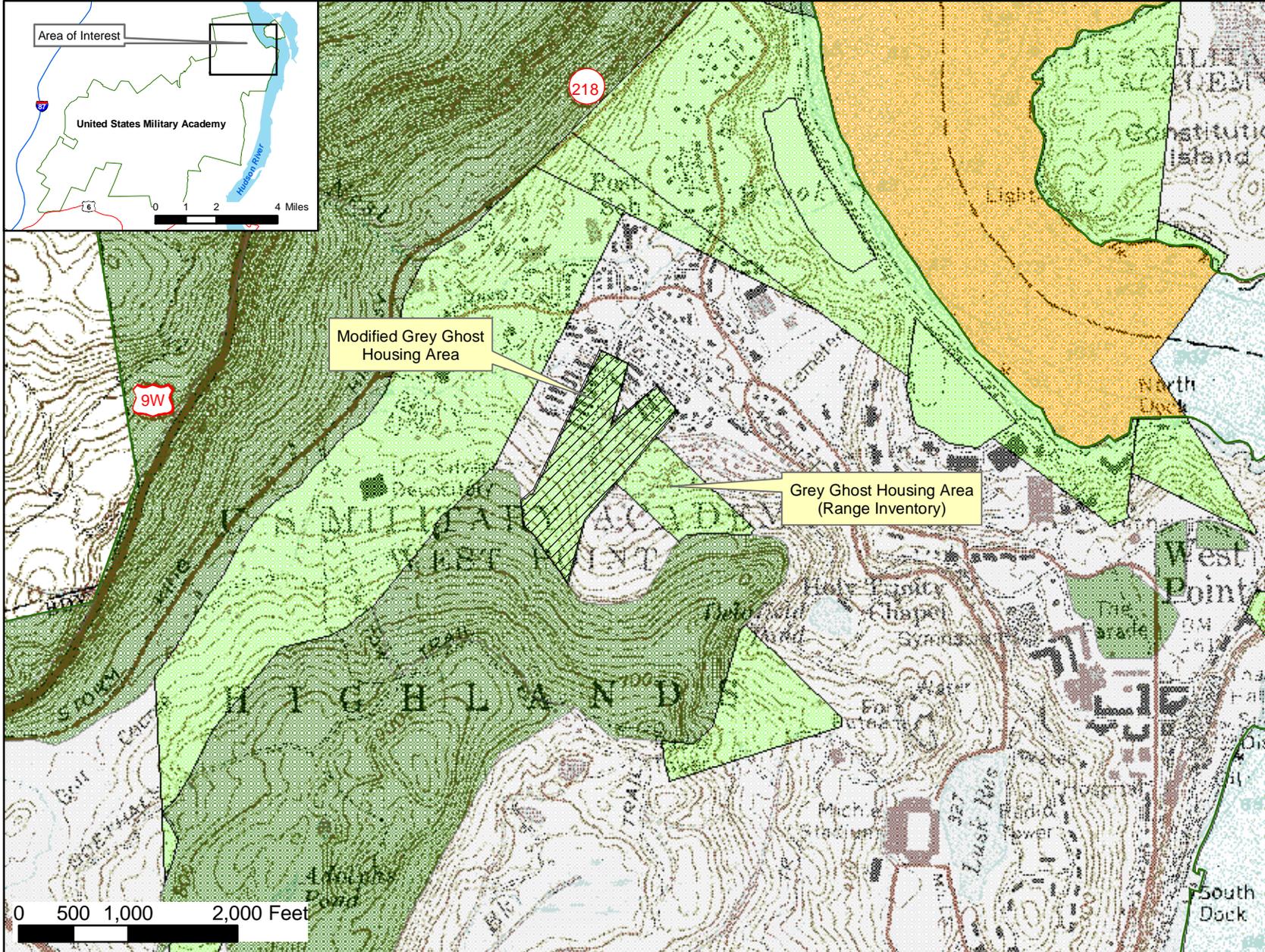
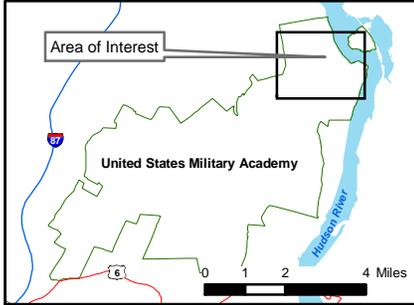


Figure 10  
Modified Grey Ghost  
Housing Area  
MMRP Site

### Legend

- US Highway
- Contours
- Installation Boundary
- Operational Range
- Modified Grey Ghost Housing Area
- Closed Range
- Transferred Range
- Non Range,
- Non UXO-DMM-MC Area
- Water Bodies



Source:  
WSPT04093  
WSPT03692

Edition: Draft Report

Date: January 2005

According to a March 4, 1997 memorandum from the Chief of the Environmental Division at USMA, research indicated that unexploded ordnance (UXO) was not likely to be found in the small arms firing range at the Grey Ghost Housing area, but there was a concern of lead contamination in soil within the impact area of the range (WSPT03678). The memorandum indicated that four soil samples were collected, and the analytical results (ranging from 41 to 138 parts per million [ppm]) were below the allowable limit (400 ppm). The memorandum further states that “the construction of the Grey Ghost Housing Area, the site disturbance resulting from utility repairs since construction, the file search, and recent test results precludes a high probability of unexploded ordnance within this area” (WSPT03678).

#### **4.2.6 North Athletic Field**

The North Athletic Field is comprised of 14 acres. A map dated 1883 indicates that the area of the North Athletic Field was originally part of the Hudson River (WSPT05260). By 1903, a map indicates the area had been backfilled to create land called Target Flats (WSPT04087).

Maps dated 1903, 1916, 1929 (estimated), and 1935 delineate the location of target butts assumed to be associated with a rifle range in this area (Figure 11) (WSPT04087, WSPT04089, WSPT04090, WSPT04091). Later the area became known as the polo field and target range (WSPT04089, WSPT04091). The 1929 (estimated) map indicates that the range was inadequate, that it was designed for use by 400 men, and that expansion at the site was impossible (WSPT04090). The 1935 map delineates the target butts located within the North Athletic Field area, as well as a 1,000-yard butt located north of the area along the shore of the Hudson River (Figure 11) (WSPT04091). The exact dates of operation for the rifle range are not known; however, by 1939 a rifle range was in use in the area of the machine gun range by the Grey Ghost Housing Area (WSPT04093).

In 1937, the Army Athletic Association started a project which consisted of the construction and expansion of athletic fields. A map from that year indicates a track and athletic field outline in the area of the site (WSPT04092). Further expansion of the North Athletic Field was accomplished by removing Target Hill so that the dirt could be used to fill out toward the river and create necessary fields. The removal of dirt from Target Hill began in 1944 and was completed in 1945. Approximately 60,000 square yards of level ground were added to the area comprising the North Athletic Field (WSPT05590).

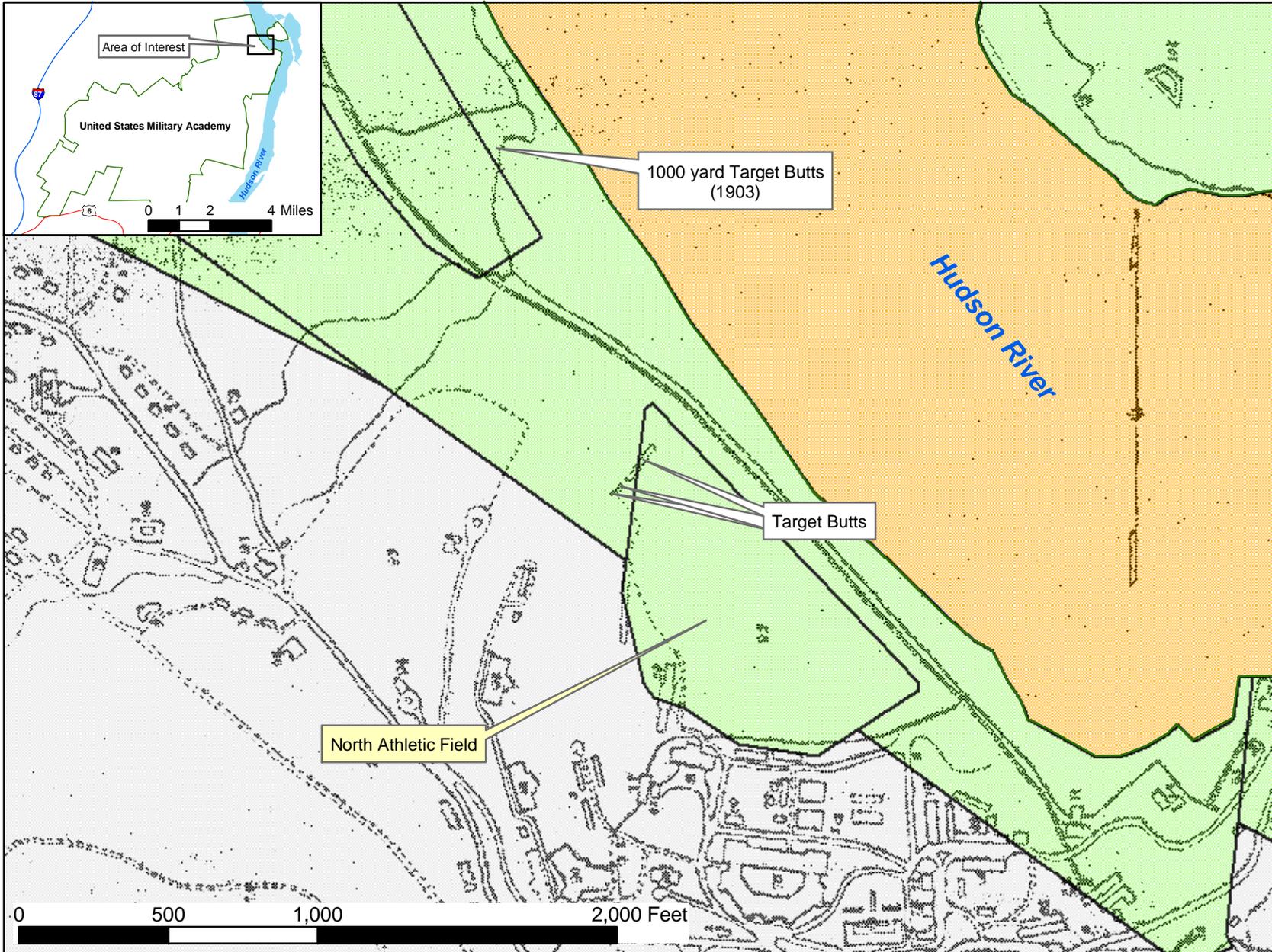
Because the North Athletic Field was constructed from fill dirt from Target Hill, the area may contain ordnance that was fired into the hill from the early 1800s until the late 1930s. Target Hill served as the impact area for artillery fired from the Cold Spring Foundry and heavy guns on the north side of USMA (WSPT03896). Target Hill continued to be used until the late 1930s, mostly by USMA cadets for short-range artillery training (WSPT05589). Munitions associated with training at Target Hill include large caliber HE and practice rounds. In addition, ammunition from the former rifle range at the North Athletic Field may exist in the area.



# Historical Records Review United States Military Academy, NY



Figure 11  
Rifle Range Location -  
North Athletic Field  
(1935)



### Legend

- Operational Range
- Closed Range
- Transferred Range
- Non Range
- Non UXO-DMM-MC Area



Source:  
WSPT04091

Edition: Draft Report  
Date: January 2005

#### **4.2.7 Post Outdoor Pistol Range**

The Post Outdoor Pistol Range is comprised of 22 acres of land within the boundaries of USMA, and is located in the central portion of the installation, to the south of the main campus area.

The Post Outdoor Pistol Range was constructed in November 1949, and was located in an abandoned rock quarry between Michie Stadium and Delafield Pond. The danger area was described as lying between Pipeline Trail and Michie Trail. The range was fenced on three sides with barbed wire enclosing an area 15 to 20 yards on each side of the range and 150 yards behind the target butts. In addition, the area was posted with warning signs (WSPT05608, WSPT05616). This range was also known as Range No. 12 or Monterey (WSPT03268). The only installation facilities in the line of fire were the Silver Depository, the ski slope, and the eastern end of the golf course. A wooded ridge intervenes between the range and these installation facilities (WSPT05608).

Authorized weapons at this range included any pistol of .45 caliber or smaller (WSPT05611). The Post Outdoor Pistol Range had 15-, 25-, and 50-yard firing lines and 15 firing points (WSPT05594-05605). Eventually, the range was expanded to include 36 firing points, with no angular or crossfire permitted. Firing was to the west toward an earthen berm backstop along the quarry face, with an additional wood backstop on top of the cliff at the rear of the range. Use of the range was open to all post personnel during daylight hours, provided firing was supervised by a commissioned officer. This range was a permanent danger area, with no published firing warning required. The range was policed after firing (WSPT03119, WSPT03120, WSPT03268-03270, WSPT04059). The Post Outdoor Pistol Range was relocated in approximately 1968, due to the proximity of a new housing area (WSPT04059, WSPT04074).

#### **4.2.8 Seacoast Battery**

According to the Range Inventory, Seacoast Battery and its firing fan encompass approximately 2 acres on the West Point reservation, and are located on the north waterfront of the Hudson River, immediately west of the North Dock Landing. Seacoast Battery contained several gun positions and ammunition magazines, and was established sometime between 1836 and 1850. The battery appears on a drawing dated 1850 (WSPT02251). Live firing was conducted from Seacoast Battery, and ammunition was stored there. Munitions used at Seacoast Battery included large caliber HE and practice rounds, and mortars.

Although the original armament of Seacoast Battery is not known, a September 6, 1866 drawing of a "Proposed Battery Near North Dock", prepared by Captain H. N. Robert, indicates that one 8-inch, one 10-inch, and one 15-inch Rodman rifle, one 100-pound, one 200-pound, and one 300-pound Parrot gun made up the proposed artillery at this time (WSPT02396). In June 1895, several pieces of shells fired from the Seacoast Battery landed in Rugertown near the quarters of the enlisted men (WSPT03898). The exact location of this incident is not known because no references to Rugertown could be identified on maps or in documents from the time period.

In 1890, according to the Annual Report of the Superintendent, the Seacoast Battery was armed with three 8-inch muzzle-loading rifles, two 15-inch smooth-bore Rodman cannons, and one 13-inch mortar (WSPT00769). An Annual Report of the Superintendent dated 1892 indicates that the Seacoast Battery was armed with two 15-inch Rodman smooth bore guns, three 8-inch converted rifles, one 10-inch Rodman smooth bore gun, one 300-pounder Parrot rifle, and one 13-inch smooth bore mortar. According to the report, during the same year many changes were made to the battery including the addition of one 12-inch breech-loading mortar, two 8-inch front pintle barbette carriages for the 8-inch converted rifles, and the addition of two 8-inch converted rifles to replace the 10-inch Rodman smooth bore and the 300-pounder Parrot gun, which had become unsuitable for firing (WSPT00819, WSPT00820).

In 1895, according to the Annual Report of the Superintendent many changes in the armament of the Seacoast Battery took place. A 15-inch Rodman gun, the 13-inch smoothbore mortar, one 10-inch Rodman gun, and one 200-pounder Parrot gun were removed from the battery along with their carriages. These artillery weapons were replaced by one 8-inch steel breech-loading rifle and its carriage, one 12-inch steel breech-loading mortar and its carriage, and two 8-inch converted rifles on front pintle barbette carriages (WSPT00930). The work of constructing new permanent platforms for an 8-inch rifle, a 12-inch breech-loading mortar, and three front pintle platforms was also completed, and the Seacoast Battery was considered well equipped for cadet training (WSPT00916, WSPT00930, WSPT00931). An 1898 Annual Report of the Superintendent contained a report from the Commandant of the Corps of Cadets proposing that the armament of the Seacoast Battery be increased by one 8-inch breech-loading rifle mounted on a disappearing carriage and one 12-inch breech-loading rifle mortar on a Gordon carriage, so that cadets might receive instruction on all types of modern equipment (WSPT01003).

The 1906 Guide to West Point indicates that the weapons at the Seacoast Battery included one 8-inch breech-loading rifle mounted on a barbette carriage, one 12-inch breech-loading mortar on a spring-return carriage that used round fire, five 8-inch muzzle-loading converted rifles, and one 15-inch muzzle-loading Rodman gun. The first two weapons were considered modern guns and the remainder were considered old pieces. The battery also included two brick buildings that contained instruments for measuring velocity of projectiles and recoil of guns. The shots were fired from the battery through parallel line wires at the west end of the battery. West of the battery, a small stone structure set into the hillside was used as a bursting chamber in which explosives were tested (WSPT02169). According to "West Point – the Gibraltar of the Hudson," written in 1918, practice from the battery occurred in April and October, but full charges were not used in any of the guns (WSPT04083).

Several modifications in artillery and training occurred in the following years until sometime during WWII when the Seacoast Battery was demolished and the guns were turned into a scrap drive (WSPT04079). The battery appears on a map from 1937; however, no traces of the battery remain and its location is currently under the North Dock Parking lot (WSPT04079, WSPT04092).

#### **4.2.9 Siege Battery and Siege Battery-TD**

The Siege Battery range encompasses 179 acres on the West Point reservation, and is a portion of the range fan for the old Siege Battery. The Siege Battery was located on the slope of the hill below the Battle Monument, at what is now called Trophy Point. A portion of the Siege Battery firing fan overlaps the firing fans of the Seacoast Battery and Fort Clinton.

Based on information reviewed for the Range Inventory regarding the types of weapons and ammunitions used at Siege Battery, the extent of the associated range fan was determined to encompass 3,499 acres. However, historical records were not available that actually defined the extent of the range. In its full extent this range would have extended north over the Hudson River and into Dutchess and Putnam Counties on the east shore of the Hudson River.

As a result of discussions with USMA personnel, the Siege Battery range fan and several other overlapping ranges were incorporated into a single fan identified as the Siege Battery – TD. This range fan was modified on its west side based on the maximum distance where munitions were located in the Storm King/Crows Nest FUDS area. The shape of the range fan was also modified on its east side, because USMA indicated that the Cold Spring community had been there “for a long time” and therefore no firing would have occurred over it. As currently reported in the Range Inventory, Siege Battery – TD encompasses 1,014 acres, and is approximately one-half its original length. This range consists of the transferred portions of several overlapping range fans, which were combined into one range because they shared similar uses, munitions, and use dates. This range is currently owned by the United States under the jurisdiction of the U.S. Fish and Wildlife Service and the National Oceanic and Atmospheric Administration, the State of New York, and numerous private parties.

The Siege Battery was constructed in approximately 1845 on the site of Battery Sherburne, at what is now called Trophy Point (WSPT04079, WSPT03166). Battery Sherburne was built in 1778 and contained two iron six-pounders on garrison carriages and eight iron six-pounders on stocked or field carriages. Six-pounders fired solid metal artillery munitions that did not contain any explosive material. Construction of the Siege Battery is believed to have destroyed all traces of Battery Sherburne. The location of the battery is depicted on a map adapted from an 1863 map of West Point contained in “The History of West Point” (WSPT02252). A photograph of the Siege Battery taken in 1869 depicts a variety of 20- and 30-pounder Parrott Rifles, and various mortars (WSPT04079). During the latter part of the 19<sup>th</sup> century, the Siege Battery was renamed Battery Schofield and was used for training with Parrott rifles (WSPT04079). Between 1876 and 1889, several guns burst at the Siege Battery, including a 4½ -inch rifled gun and two 30-pounder Parrott guns. The battery of 30-pounder Parrott guns was condemned in 1889, and was then replaced by a battery of old 4½-inch rifled guns (WSPT00769, WSPT00770, WSPT03897).

In 1891, the armament of the Siege Battery consisted of six 4½-inch rifled cast-iron siege guns, three 10-inch smooth bore siege mortars, and three 8-inch smooth bore siege

mortars. At this time, the old 4½-inch rifled guns were still in use, but were determined to be too old and obsolete to be fired (WSPT00796, WSPT00820). In 1892, the three 8-inch mortars were removed and replaced with three 10-inch smooth bore mortars. Additionally, six additional 3.2-inch rifles were received without carriages. These guns were mounted on the wooden carriages of the 3-inch rifles and used for drill practice. Although the 4½-inch guns remained in position, their replacement with four new 5-inch steel breech-loading guns and two 7-inch steel breech-loading howitzers had begun (WSPT00820). By 1898, two 5-inch breech-loading siege rifles were in use, and a recommendation was made to add two 7-inch breech-loading rifle mortars and two 7-inch breech-loading rifle howitzers (WSPT01003).

A complete new siege battery, consisting of four 5-inch breech-loading rifles and two 7-inch breech-loading howitzers; a complete battery of six 7-inch steel breech-loading mortars; and two 3.2-inch guns were received in 1899, and were all in use by 1906. The target for the guns used at the Siege Battery was on Crow's Nest, approximately 2,000 yards distant; full charges were not used in any of the guns. The targets for the mortars were anchored in the Hudson River (WSPT01022, WSPT02169, WSPT04083). The 1906 Guide to West Point indicated that the heavy ordnance at the battery could not be fired with full service charges because of the close range of the targets (WSPT02169).

Live firing is known to have been conducted from the Siege Battery, and ammunition is known to have been stored there. Use of the Siege Battery ended between 1906 and 1910, when Battery Schofield came into service (WSPT02169, WSPT03166, WSPT03167). According to a map of West Point, dated December 1937 and compiled from the Quartermaster's General Plan, an amphitheatre was located in the former location of the Siege Battery (WSPT02253).

During the fall and spring of 1907-08, an additional battery of two 6-inch disappearing coastal defense guns was constructed immediately in front and just north of the Siege Battery; this new emplacement was named Battery Schofield in 1909 (WSPT02177). Battery Schofield had no magazine or shell rooms, but instead had a 16-foot by 12-foot storeroom between the guns. These 6-inch guns were used for sub-caliber practice, using a floating target towed back and forth across the Hudson River between Storm King Mountain and Cold Spring (Figure 3) (WSPT04083, WSPT01456, WSPT01966, WSPT01967, WSPT03137, WSPT03138, WSPT03167, WSPT03177). According to "West Point – the Gibraltar of the Hudson," written in 1918, practice from the battery occurred in April and October, but full charges were not used in any of the guns (WSPT04083).

The exact year in which firing from the battery ceased is not clear. Both the Siege Battery and Battery Schofield appear on a West Point map dated 1935 (WSPT04091). A map from 1937 indicates the Siege Battery had been replaced by an amphitheatre, but Battery Schofield remained (WSPT02253). By 1939, a map indicates that both batteries had been replaced by the amphitheatre (WSPT04093). This change is supported by the Annual Report from 1937 that states that the construction of an amphitheatre near Battle Monument had been completed during that year at a cost of \$5,000 (WSPT01940). However, according to the 1950 Annual Report, the 6-inch guns and disappearing

carriages at Battery Schofield were utilized until 1946. They were declared obsolete in January 1950, and were later transferred to the West Point Museum for exhibit (WSPT03031-03035, WSPT04453).

Several investigations into UXO and MEC have been conducted in relation to the Crows Nest FUDS area, which is also referred to as Storm King and Palisade Park. The UXO and MEC identified in the Crows Nest FUDS area could have been fired from several locations within USMA including the Siege Battery, the Artillery Firing Range, and Fort Clinton; therefore, it is anticipated that the Siege Battery Range could contain MEC and MC similar to those identified in the studies, because some of the munitions found in Crows Nest were fired from the firing points within the Siege Battery. Summaries of these investigations are presented in the Section 4.2.1, Artillery Firing Range, above.

In September 2000, a digital geophysical mapping project was conducted at the construction site for a gymnasium at the West Point Elementary School (WSPT04042-04044). The school is located just south of the point where the range fans for the Artillery Firing Range and Fort Clinton intersect (Figure 5). The geophysical survey included a portion of the Siege Battery range fan. As a follow up to the geophysical study, an anomaly investigation and UXO removal was conducted in 2001. Three ordnance or ordnance-related items were identified at the site – a 6½-inch projectile, rifled; a portion of an 8 inch Parrot Round; and a fragment from an 8-inch parrot round. According to the report compiled following the study, “scouring and deformation on the rear of the 6½-inch projectile indicate it might have deflected at a shallow angle.” Also, the report stated the two 8-inch Parrot fragments appeared to fit together even though they were recovered over 75 feet apart. This may indicate that the projectile exploded in the area (WSPT05471-05478). Although the location from which these items were fired could not be determined, the size of the munitions found is comparable to the size of the weapons at the Siege Battery. Therefore, if any further investigation of the Siege Battery is conducted, it may be necessary to expand the study area to include the site of the West Point Elementary School.

#### **4.2.10 Target Hill**

Target Hill is comprised of approximately 14 acres within the USMA campus area north of the athletic field, along the western bank of the Hudson River. Artillery firing toward Target Hill may have begun as early as the War of 1812 with rounds being fired into the hill from the Cold Spring Foundry (WSPT05446). A map dated 1883 indicates that the area of Target Hill was called Valley Point. The point was on land projecting into the Hudson River (WSPT05260). A map dated 1903 indicates that the area of the Hudson River to the southeast of Target Hill had been backfilled to create the land that would later be identified as the North Athletic Fields. This map also indicates the placement of 1,000 yard butts on Target Hill (WSPT04087). The firing point associated with these butts was located on Target Flats in the area of the North Athletic Field (Figure 11).

In October 1889, heavy guns on the north side of the post were scheduled to fire at Target Hill for target practice (WSPT03896). Target Hill continued to be used until the late 1930s, mostly by USMA cadets for short-range artillery training (WSPT05589).

Munitions associated with training at Target Hill include large caliber HE and practice rounds.

In 1940, a proposal was made to remove Target Hill and use it as fill dirt for the construction of a new athletic field on the USMA campus. The excavation and construction began in 1944 and was completed the following year. Approximately one million yards of earth were leveled off and used for fill. As a result, approximately 60,000 square yards of level ground were added to the North Athletic Field (WSPT05590). There is a possibility that munitions-related materials in the area surrounding Target Hill were not excavated when the North Athletic Field construction occurred; however, no records of findings have been located.

#### **4.2.11 Additional Firing Ranges**

While conducting research for this report, several additional closed or transferred ranges were identified. These ranges are described in the following sections.

##### **Additional Ranges Within the Military Reservation Area**

Information regarding 20 small arms and artillery ranges was identified on maps and in reports titled *Range Regulations U.S.M.A.*, dated from 1946 through the mid-1950s. The locations of these ranges were plotted on the site map to determine if they were different from the ranges delineated in the Range Inventory report. In the range descriptions presented in the range regulation reports, the coordinates of the firing points were given in Universal Transverse Mercator (UTM) coordinates, and it was assumed that the datum was North American Datum 1927 (NAD27). The safety limits of the ranges were given in mils (a typical artillery angle designation, where 160 mils are equal to 9°) (WSPT03218-03285). These ranges were all located in the portion of USMA identified as the military reservation and located to the south and west of Highway 9W.

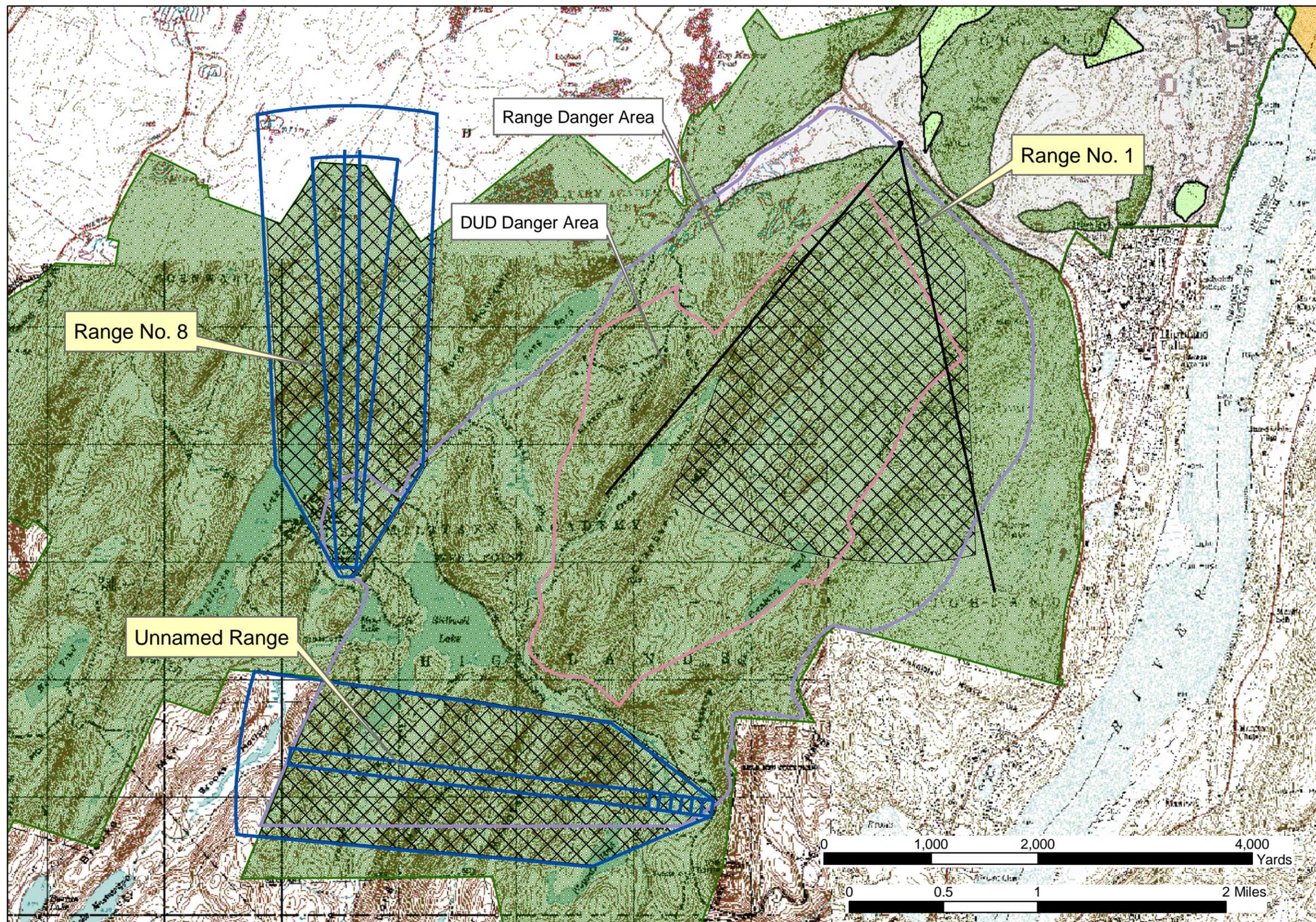
Sixteen of these ranges are entirely within the USMA installation boundary and within the operational range area, and are therefore not addressed by this report. One of the ranges is entirely within the installation boundary and is located in both operational and closed range areas; the closed range area is addressed in this report as the Post Outdoor Pistol Range. Of the three remaining ranges, one range (Range 1) is located completely within the installation boundary and the operational range area except for its firing point. Firing at this range was to the south-southwest into the operational range area. The portion of this range located outside the operational range area would constitute a closed range. The final two ranges (Range No. 8 and the Unnamed Range) are mostly within the operational range area, but portions of their safety fans extend beyond the installation boundary, and therefore would be considered transferred ranges. The three ranges that are not entirely within the operational range areas or previously identified closed range areas are depicted on Figure 12 and discussed below.



# Historical Records Review United States Military Academy, NY



Figure 12  
Additional Small Arms  
Ranges Location Map



### Legend

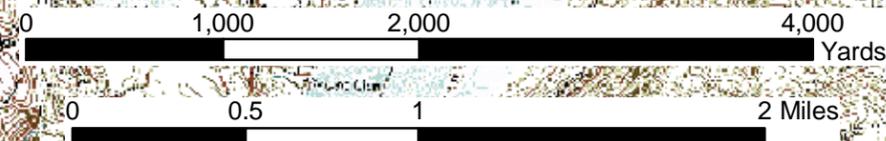
- US Highway
- Contour
- Firing Ranges (Undated)
- Firing Ranges (1953)
- Range Danger Area
- DUD Danger Area
- Ranges (1959)
- Ranges (Undated)
- Installation Boundary
- Operational Range
- Closed Range
- Transferred Range
- Non Range, Non UXO-DMM-MC Area
- Water Body



Source:  
WSPT 03218-03285  
WSPT 03893  
WSPT 03894  
WSPT 04045-04046

Edition: Draft Report

Date: January 2005



In addition, a general danger zone (Range Danger Area) was identified from a Dud Danger Area map and is depicted on Figure 12 (WSPT03893, WSPT03894, WSPT04045-04046). The Dud Danger Area map is truncated at Fort Montgomery and information regarding the use of this area was not located during research for this report.

#### Range No. 1

The range regulations from 1953 indicate the firing point for Range No. 1 was located within the USMA installation boundary east of the Sacred Heart Cemetery and just to the west side of Highway 9W (Figure 13). However, a 1959 range map indicates the location of the firing point is further to the south and east (WSPT05730). The 1953 firing point is located just outside the operational range area; therefore, the firing point would be considered closed range under the MMRP.

This 0.2-acre closed portion of the range consists of the firing point for a .30 caliber machine gun range and a small portion of the range safety fan. Firing from the range was directed to the south-southwest into the operational range area (WSPT03232, WSPT03350, WSPT03419).

A memorandum dated August 8, 1944 describes activities using 37mm M3 guns on Range No. 1. The M3 is an antitank weapon that consisted of the gun mounted on a two-wheeled carriage. The 1944 memorandum noted that the 37mm solid shot ammunition that was being used was ricocheting beyond the prescribed safety angle. The occurrence of ricochets was attributed to the high velocity of the ammunition (2,545 feet per second), loose rock in the back stop, and the angle between the firing line and the back stop. It was noted that, of the several thousands of rounds fired, only two percent of the shots fired ricocheted, but those that did tended to splatter. Lower velocity rounds were recommended to alleviate the ricochet problem and, to satisfy the needs of the installation, approximately 15,000 rounds per year were expected to be required (WSPT03387-03388). No documentation was located describing where the firing point for Range No. 1 was located in 1944.

In a scope of work for the expansion of ranges dated October 1967, Range No. 1 (also identified as the Argonne range) is described as a tank-mounted, coaxial machine gun range consisting of a firing line capable of handling eight tanks firing at moving targets. The ammunition used at the range was any standard armor-piercing 7.62mm or .30 caliber ammunition. The scope of work indicates the range was no longer in use in 1967 and was to be abandoned and considered for the location of a new post cemetery (WSPT05383-05398). The use of tank-mounted machine guns at this range is further supported by a range regulation dated May 19, 1956, which states that “individual tanks will display a small red flag when firing” (WSPT03419).

#### Range No. 8

Camp Buckner, which is located between Popolopen and Stillwell Lakes, contains the firing points for this small arms range. The majority of the range safety fan lies within the USMA boundary and is within the operational range area. Firing towards the north, this range extends outside of the northern installation boundary at Mount Rascal (Figure 12). Therefore that portion of the range extending beyond the installation boundary qualifies as transferred range. This transferred range area consists of approximately 278.4 acres. Range No. 8 is identified in the 1954 *Range Regulations U.S.M.A.* document, as well as on a separate undated map showing only this range (WSPT03260-03261, WSPT03894). Both the regulations and the map indicate the same firing points.



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United States Military Academy, NY

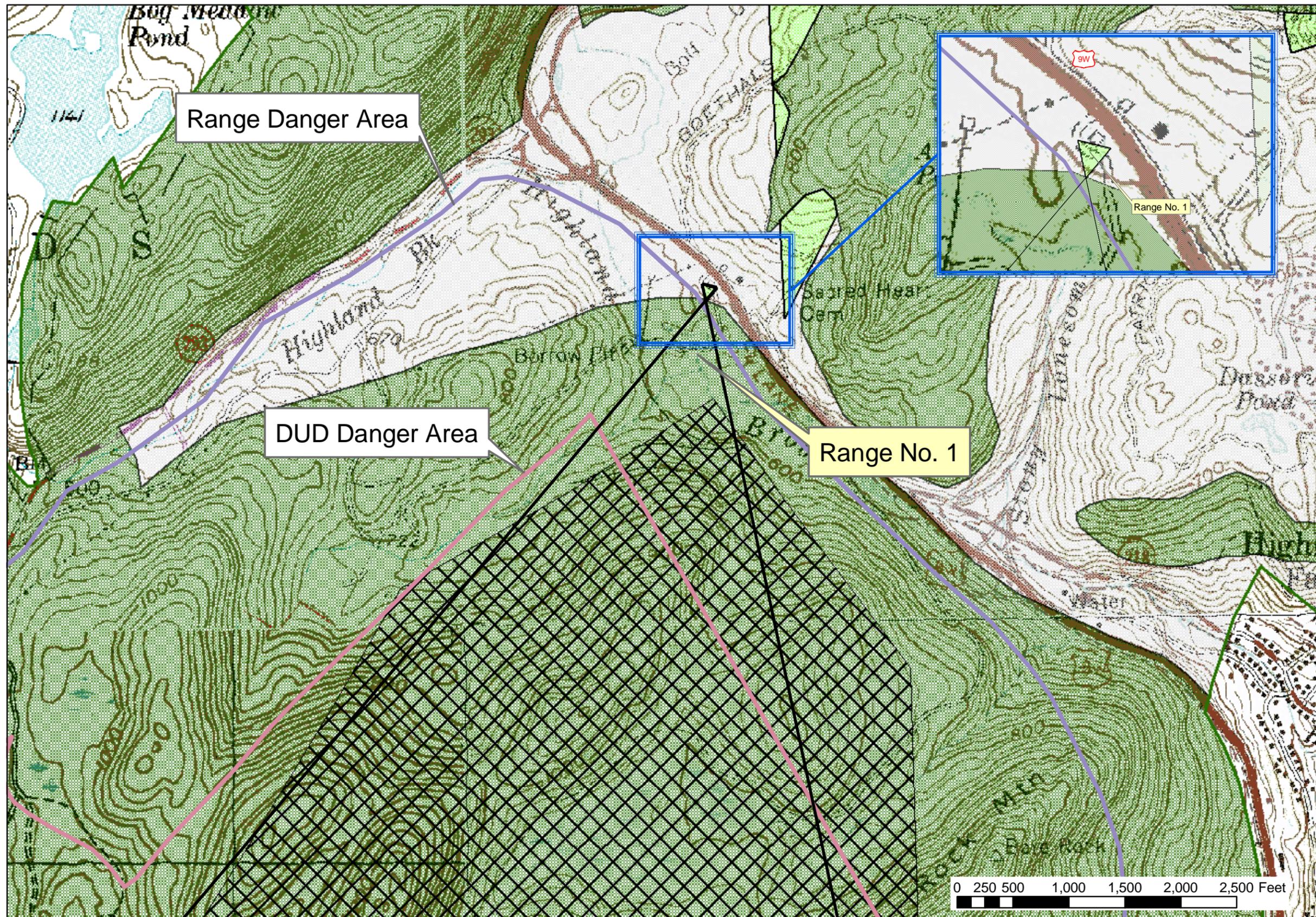


Figure 13  
Range No. 1 Firing Point

Legend

- US Highway
- Contour
- Firing Ranges (1953)
- Range Danger Area
- Dud Danger Area
- Range No. 1 (1959)
- Installation Boundary
- Operational Range
- Closed Range
- Non Range, Non UXO-DMM-MC Area
- Water Body



Source:  
WSPT03232

Edition: Draft Report  
Date: January 2005

Based on the information contained in the range regulations, this range was used for any .30 caliber or smaller, non-automatic weapon (WSPT03260).

This range is also identified on a 1959 map that truncates the range fan at the USMA installation boundary (WSPT05730-05732). In a scope of work for range expansion dated October 1967, Range No. 8 (also identified as the Gettysburg range), is described as a standard known distance range for any small arms of 7.62mm or .30 caliber or smaller. The range contained 50 firing points with the 500 yard line being limited to 10 points. The plan in 1967 was to modify the range by constructing a 10-point firing line at 600 yards (WSPT05383-05398). Another map from 1977 indicates the same firing points for Range No. 8; however, the safety fan only extends approximately 2,000 yards to the north. This places the fan approximately 1,600 yards inside the installation boundary. The topography in the area of this range is very hilly with several steep rises between the firing point and the northern boundary of the installation. Within approximately 1,000 yards of the firing point, the terrain rises from less than 600 feet to the summit of a hill at 1,000 feet. Therefore, based on the topography and the various configurations of the safety fan, it is not anticipated that the area north of the installation would have been impacted by the use of this range. As a result, this site is not being considered MMRP eligible.

#### Unnamed Range

This range is located in the south-central portion of USMA, to the west of Brooks Lake. Firing at this range was directed to the west-northwest. The range extends beyond the installation boundary into Brooks Hollow and the transferred portion of the range consists of approximately 136.4 acres (Figure 12). This range was identified from an undated map obtained from the USMA Archives (WSPT03893). The size of the safety fan for this range is similar to the size of the fan for Range No. 8 described above. Therefore, it could be assumed that this range might also have been used for small arms.

The undated map also indicates the range contained six firing points located on relatively flat terrain with an elevation of approximately 600 feet. To the west of the firing points, the elevation increases to approximately 900 feet. Further research is being conducted to determine the specific munitions used at this range and any additional findings will be included in the final report.

Based on the topography of the area and the assumption that small arms were used at this range, it is not anticipated that the area to the west of the installation boundary would have been impacted by the use of this range. Therefore, this site is not being considered MMRP eligible.

#### Range Danger Area

The Range Danger Area was identified from an undated Dud Danger Area map, and includes the property bordered to the north and west by Highway 293, to the north and east by Highway 9W, and to the south by operational range area (Figure 12) (WSPT04045-04046). The majority of the Dud Danger Area is encompassed within the

operational range area and contains the impact areas for numerous ranges. However, the closed portion of this range encompasses 98.14 acres and extends north of the operational range area toward the intersection of Highway 293 and Highway 9W. At least some portion of each of the 20 additional firing ranges is contained within the Range Danger Area. Although the closed portion of this range may contain MC and MEC associated with any of these ranges, the likelihood of locating MC or MEC is low because of its location at the northern edge of the Range Danger Area, and because the firing direction for these ranges is toward the center of the Range Danger Area and away from the northern portion. A map of range and training areas dated 1977, indicates the closed portion of the Dud Danger Area is a training exclusion area. This area is excluded from training because a golf course is located here (WSPT04095). The golf course was constructed in 1949 (WSPT05739).

Because of the location of the golf course in this area and the fact that firing at the ranges and training areas within proximity of the closed portion of the Dud Danger Area, it is not anticipated that this area has been impacted by munitions. Therefore, this site is not being considered MMRP eligible.

### **Artillery Firing Ranges**

Through research conducted for this report, two additional artillery firing ranges were identified that were not included in the Range Inventory. Information regarding these ranges is presented below.

#### **Lusk Reservoir**

In the Archives Search Report developed by USACE-Rock Island District for the West Point/Cold Spring Foundry, the project area map indicates an artillery firing point is located to the east of Lusk Reservoir near the current site of a radio tower (Figure 14) (WSPT03611). Lusk Reservoir is located in the central portion of the USMA campus, just to the east of Mitchie Stadium. The placement of a firing point at this location is supported by a summary document developed by the USMA historian in 1994. This document indicates that in 1908 siege guns were fired from the east side of Lusk Reservoir at targets located on Crows Nest. In addition, the summary indicates firing from the east side of Lusk Reservoir occurred in 1909, 1914, 1915, and 1916 (WSPT05446-05447). The firing in 1915 and 1916 was described as sub-caliber and service target practice. Weapons used at Lusk Reservoir would be similar to those identified for use at the Artillery Firing Range and might include 2.95-inch Mountain Howitzers, 75mm gun M1897, 75mm gun M1907, 6-inch high capacity gun, 15-inch mortar, and 16-inch mortar.

The firing fan for the Lusk Reservoir Artillery Firing Range as mapped in the Archive Search Report encompasses areas of USMA that have been defined as non-range areas, closed ranges, and operational range. In addition, the northernmost extent of the range reaches into the Crows Nest FUDS area. The MMRP-eligible portion of the Lusk Reservoir range that is not encompassed by other closed ranges, operational range area, or FUDS consists of 83.19 acres (Figure 15).



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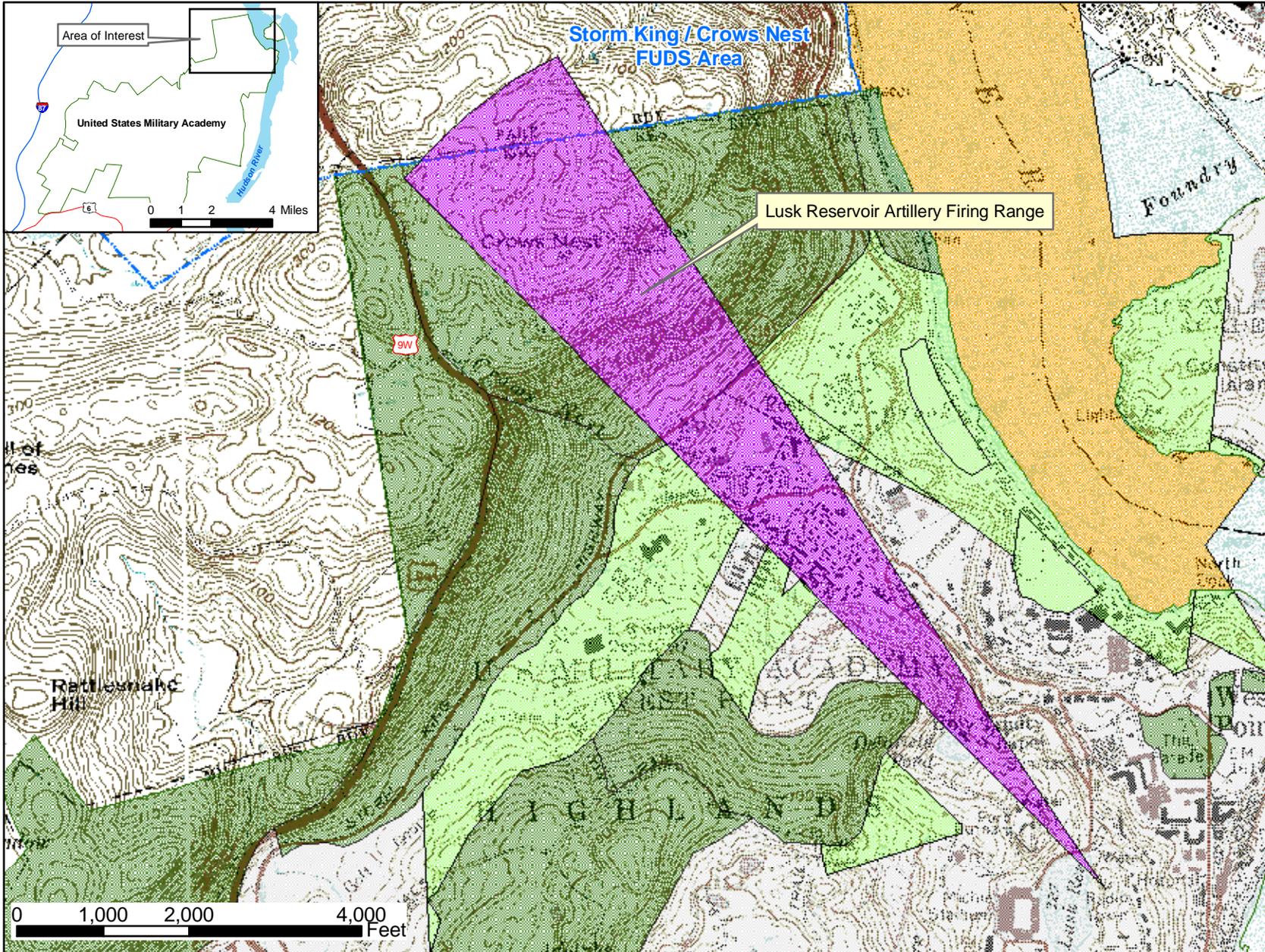


Figure 14  
Lusk Reservoir Artillery Firing Range

### Legend

- US Highway
- Contours
- Installation Boundary
- Storm King / Crows Nest FUDS Area
- Lusk Reservoir Artillery Firing Range
- Operational Range
- Closed Range
- Transferred Range
- Non Range, Non UXO-DMM-MC Area
- Water Bodies



Source:  
WSPT03611

Edition: Draft Report

Date: January 2005



# Historical Records Review United States Military Academy, NY

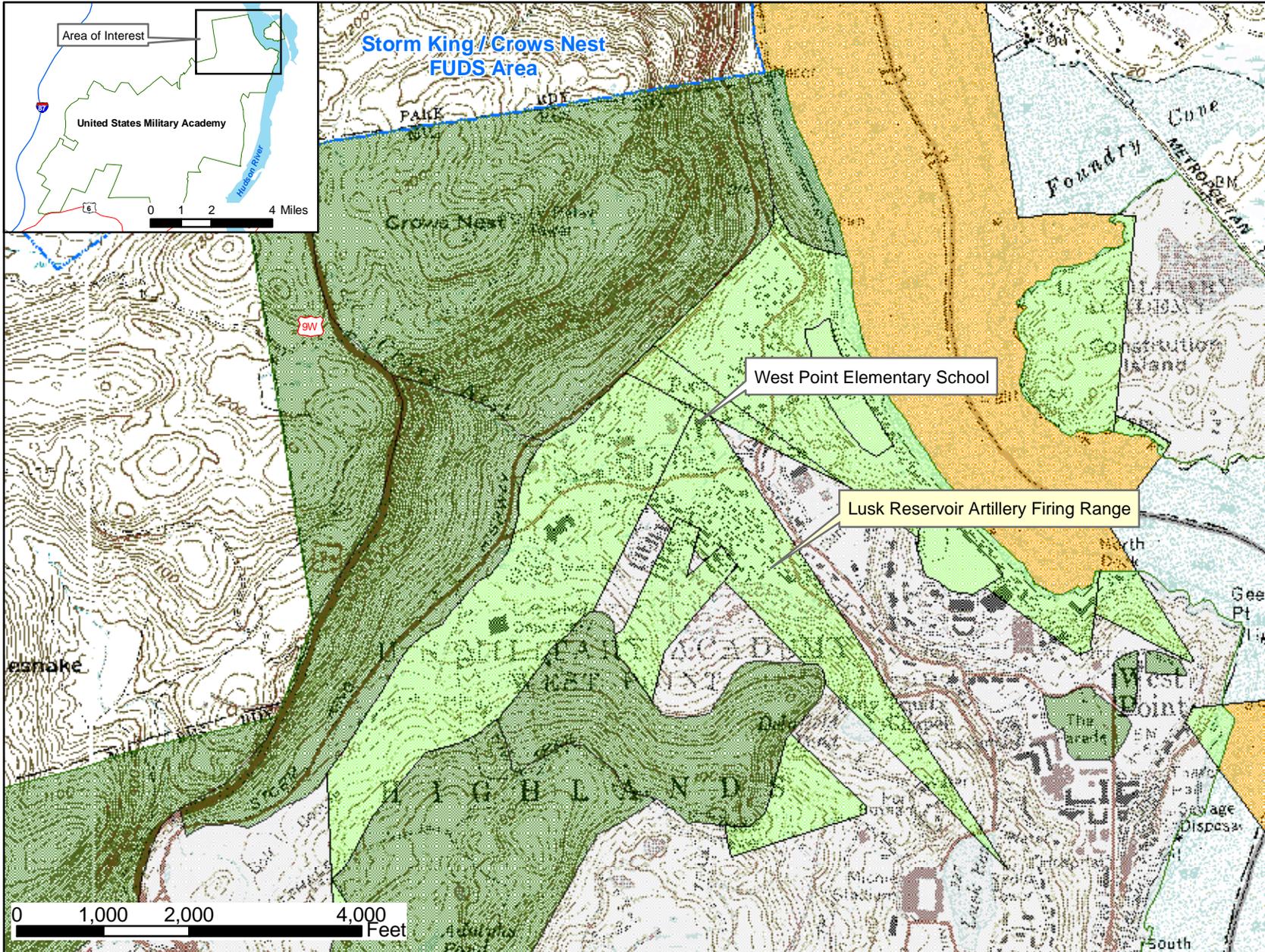
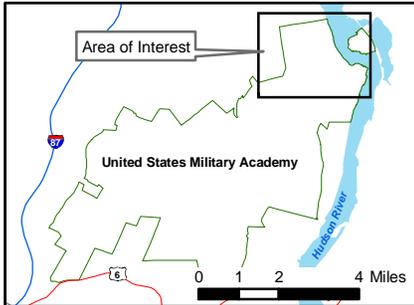


Figure 15  
Lusk Reservoir Artillery Firing Range Closed Range Area MMRP Site

### Legend

- US Highway
- Contours
- Installation Boundary
- Operational Range
- Closed Range
- Transferred Range
- Non Range, Non UXO-DMM-MC Area
- Storm King / Crows Nest FUDS Area
- Water Bodies



Source:  
WSPT03611

Edition: Draft Report

Date: January 2005

It should be noted that the range fan for the Lusk Reservoir range encompasses the West Point Elementary School (Figure 15). In September 2000, a digital geophysical mapping project was conducted at the construction site for a gymnasium at the school (WSPT04042-04044). As a follow up to the geophysical study, an anomaly investigation and UXO removal was conducted in 2001. Three ordnance or ordnance-related items were identified at the site – a 6½-inch projectile, rifled; a portion of an 8 inch Parrot round; and a fragment from an 8-inch Parrot round. According to the report compiled following the study, “scouring and deformation on the rear of the 6½-inch projectile indicate it might have deflected at a shallow angle.” Also, the report stated the two 8-inch Parrot fragments appeared to fit together even though they were recovered over 75 feet apart. This may indicate that the projectile exploded in the area (WSPT05471-05478). Although the location from which these items were fired could not be determined, it is possible that the source could have been the firing point to the east of Lusk Reservoir.

### Redoubt No. 2

The Archives Search Report also identified an artillery firing point located at Redoubt No. 2 (Figure 16) (WSPT03611). Redoubt No. 2 is located east of the intersection of Highways 218 and 9W and west of Dassori Pond (WSPT04095). Firing from this location is listed in the summary document developed by the USMA historian in 1994. For a two week period in 1915 and 1916, field artillery target practice with service ammunition was to be fired at targets on Crows Nest from a position near Redoubt No. 2 (WSPT05447). An undated map also shows a firing line that began just to the north of Redoubt No. 2 and extending into the Crows Nest area (WSPT05714-05715). It is assumed that weapons used at Redoubt No. 2 would be similar to those identified for use at the Artillery Firing Range and might include 2.95-inch Mountain Howitzers, 75mm gun M1897, 75mm gun M1907, 6-inch high capacity gun, 15-inch mortar, and 16-inch mortar.

The firing fan for the Redoubt No. 2 Artillery Firing Range as mapped in the Archive Search Report encompasses areas of USMA that have been defined as non-range areas, closed ranges, and operational range. In addition, the northernmost extent of the range reaches into the Crows Nest FUDS area. The MMRP-eligible portion of the Redoubt No. 2 range that is not encompassed by other closed ranges, operational range area, or FUDS consists of 19.61 acres (Figure 17).

### **Rifle Range within the Main Campus Area**

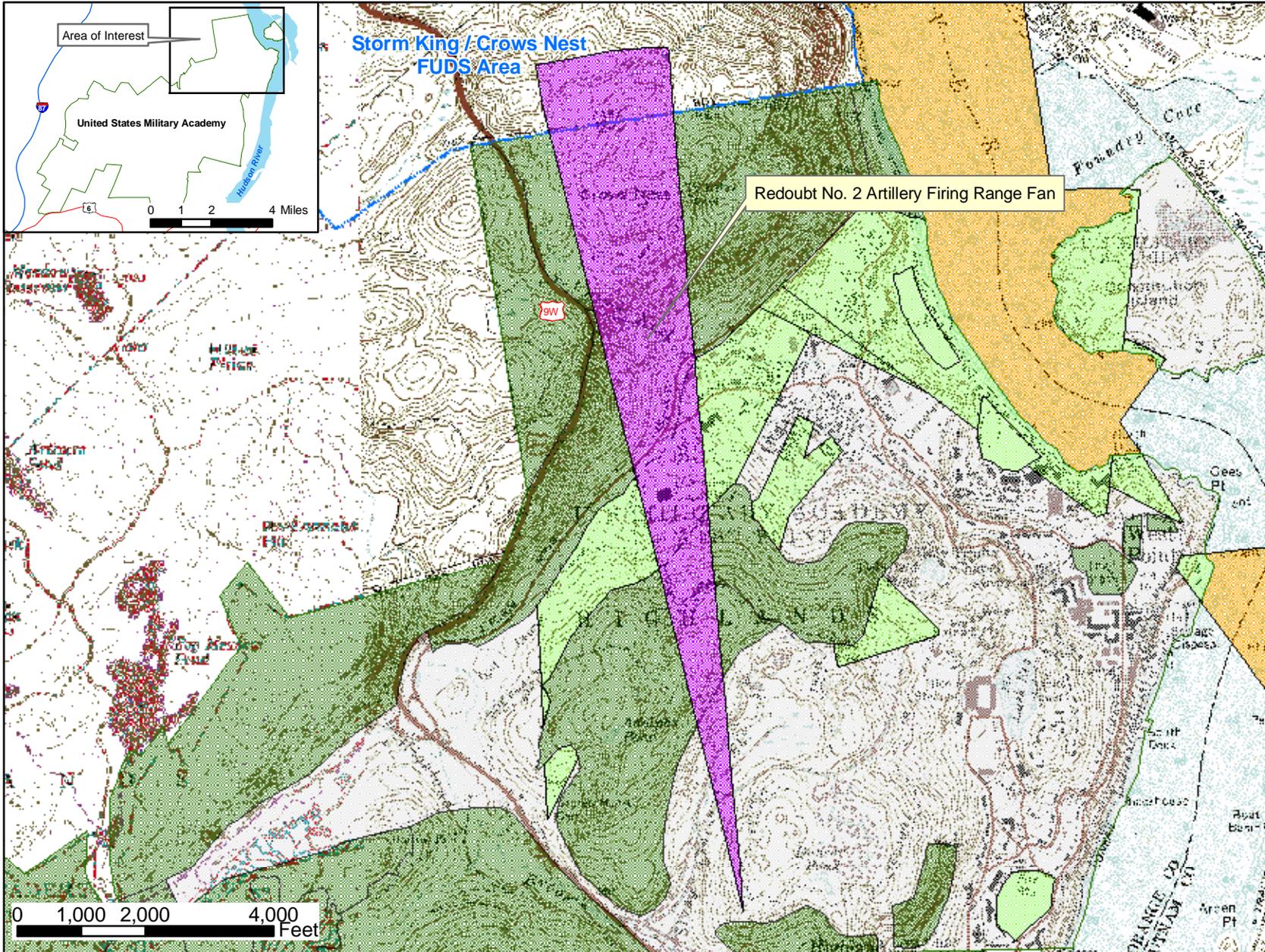
Through research conducted for this report, the location of an additional rifle range was identified in the Main Campus area of USMA. The firing point of the rifle range was located to the southwest of the cemetery and there were two firing lines of 600 yards and 1,000 yards (Figure 18). Firing was slightly west of north. The proposal to develop this range was initiated in May 1910. The proposal included a map that indicated the firing lines and placement of butts at the end of each firing line (WSPT05710-05713). Information regarding the development of the rifle range is summarized in a memorandum for the Superintendent dated October 18, 1910. USMA began the



# Historical Records Review United States Military Academy, NY



Figure 16  
Redoubt No. 2  
Artillery Firing  
Range Fan



### Legend

- US Highway
- Contours
- Installation Boundary
- Storm King / Crows Nest FUDS Area
- Redoubt No. 2 Artillery Firing Range
- Operational Range
- Closed Range
- Transferred Range
- Non Range, Non UXO-DMM-MC Area
- Water Bodies



Source:  
WSPT03611  
WSPT04095  
WSPT05714

Edition: Draft Report

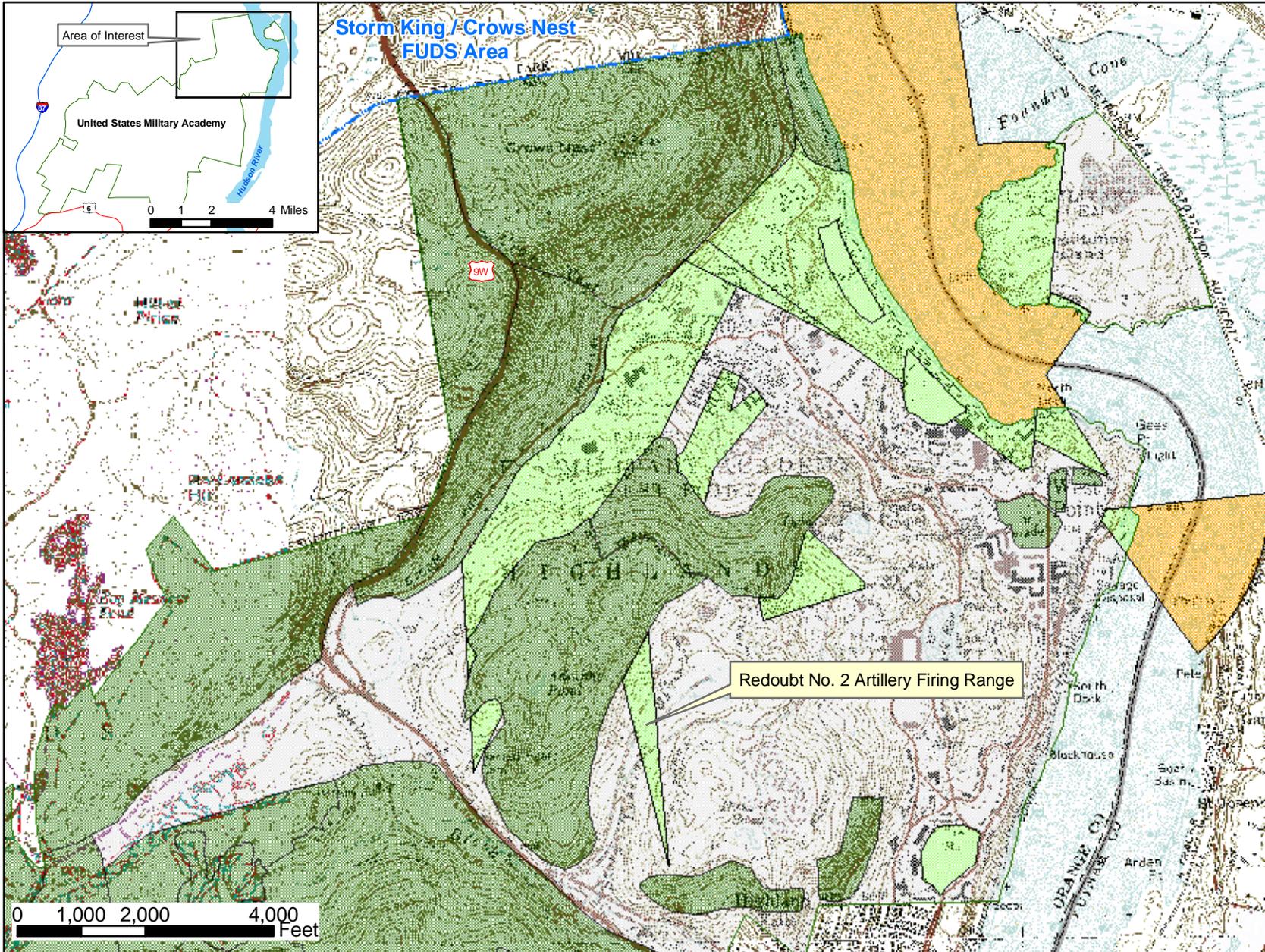
Date: January 2005



# Historical Records Review United States Military Academy, NY



Figure 17  
Redoubt No. 2  
Artillery Firing Range  
MMRP Site



- Legend**
- US Highway
  - Contours
  - Installation Boundary
  - Operational Range
  - Closed Range
  - Transferred Range
  - Non Range, Non UXO-DMM-MC Area
  - Storm King / Crows Nest FUDS Area
  - Water Bodies



Source:  
WSPT03611  
WSPT04095  
WSPT05714

Edition: Draft Report  
Date: January 2005



# Historical Records Review United States Military Academy, NY

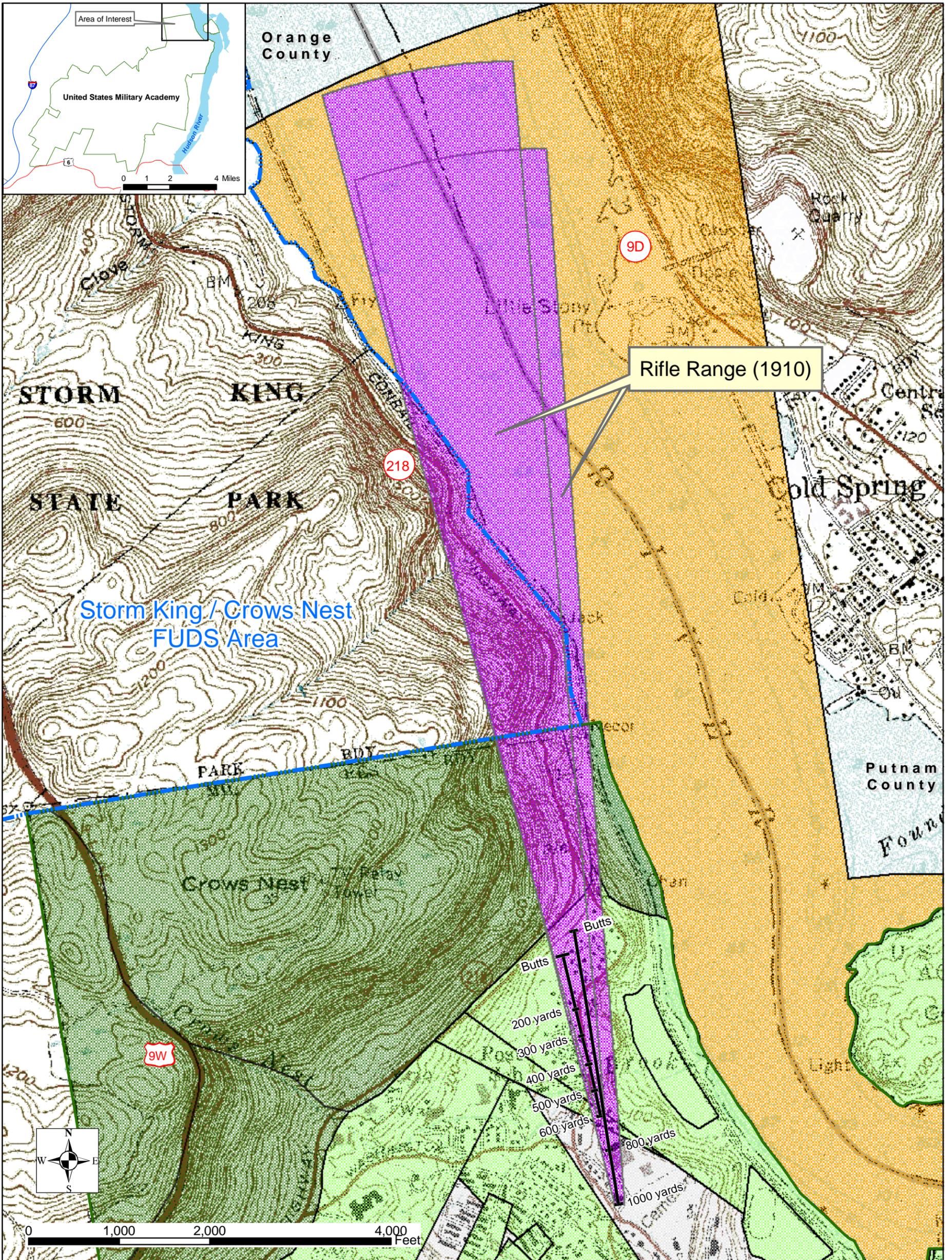


Figure 18  
Rifle Range within  
Main Campus

**Legend**

- US Highway
- Rifle Range (1910) Line of Fire
- Contour
- Storm King / Crows Nest FUDS Area
- Installation Boundary
- Rifle Range (1910)
- Operational Range
- Closed Range
- Transferred Range
- Non Range, Non UXO-DMM-MC Area
- Water Body
- County

Source:  
WSPT05713

Edition: Draft Report  
Date: January 2005

processing of selecting a site for the rifle range in 1907. Concerns with the placement of the rifle range included the proximity of the firing line to a new incinerator (crematory) being constructed in the area (Figure 19). By October 1910, the crematory had been built, a bullet proof barrier was to be constructed to protect the building, and three houses in the vicinity had been vacated or moved. In addition, the butts on the range were almost completed, a strip about 100 feet wide had been cleared of timber the entire length of the 600 yard range, and the remainder of the timber was scheduled to be removed by April 1911 (WSPT05703-05709). Information regarding the types of rifles and ammunition used at this range was not located in the supporting documents.

The firing fan for the Rifle Range encompasses areas of USMA that have previously been defined as non-range areas, closed ranges, and operational range. The MMRP-eligible portion of the Rifle Range that is not encompassed by other closed or operational range areas consists of 3.35 acres (Figure 20).

#### **4.2.12 Summary of MMRP Sites**

Twelve MMRP sites were initially identified at USMA. During the research conducted for this report, an additional seven ranges were identified. Figure 21 depicts the locations of all MMRP sites associated with USMA as a result of the research conducted for this HRR.

### **4.3 POTENTIAL MEC AND MC**

The following section provides a summary of the potential MEC and MC associated with munitions used at USMA. This information is also summarized in Table 4-1, located at the end of this section.

#### **Small Arms Ammunition**

Small arms were used at the Grey Ghost Housing Area, the Post Outdoor Pistol Range, the North Athletic Field, Range No. 1, the Rifle Range, and possibly at Buffalo Soldier Field. The small arms fired at these ranges included .22 caliber rifles, .30 caliber rifles (including Browning Automatic Rifles and Carbines), .30 caliber machine guns, .22 caliber machine guns, 7.62mm machine guns, .45 caliber rifles, pistols of .45 caliber and smaller, and .45 caliber sub-machine guns.

Although complete small arms rounds are considered MEC, complete rounds are not expected to exist at these sites. Therefore, MEC is not anticipated at these sites.

The potential MC for machine guns at the firing point may include black powder (BP), nitrocellulose (NC), dinitrotoluene (DNT), trinitrotoluene (TNT), and nitroglycerin (NG). The potential MC for machine guns firing down range includes TNT, BP, and lead. The potential MC that can be found at the firing points associated with rifles and pistols includes lead, NC, NG, picric acid, TNT, DNT, and mercury fulminate. The potential MC that can be found down range includes lead, antimony, and copper from the bullets.



# Historical Records Review United States Military Academy, NY

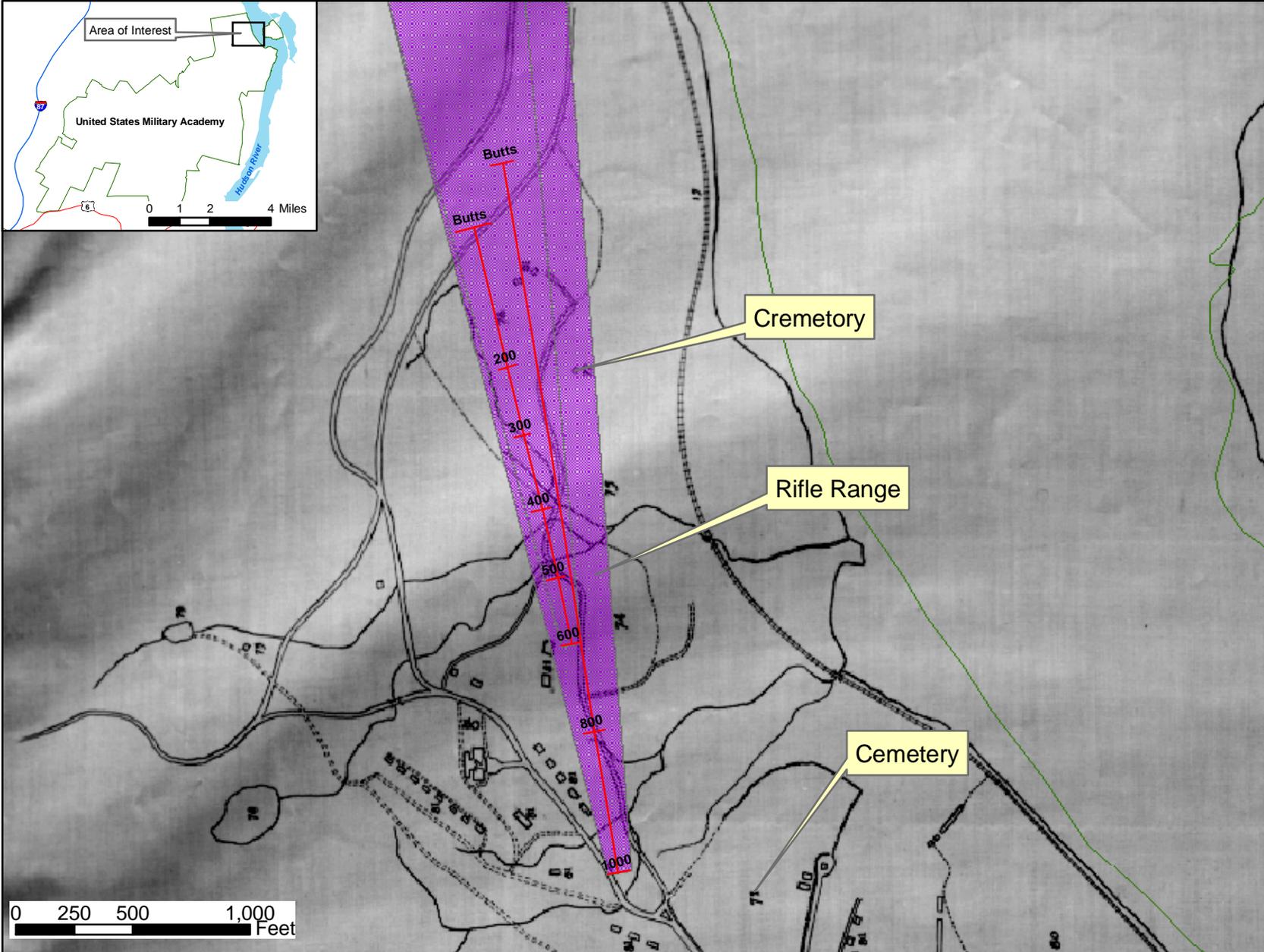
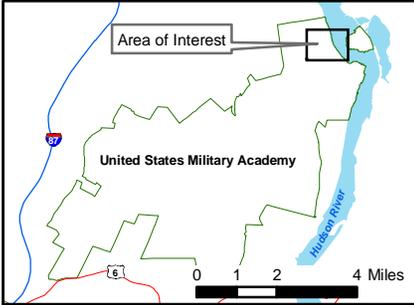


Figure 19  
Rifle Range (1910)

### Legend

-  Rifle Range Line of Fire
-  Installation Boundary
-  Rifle Range



Source:  
WSPT05713

Edition: Draft Report

Date: January 2005

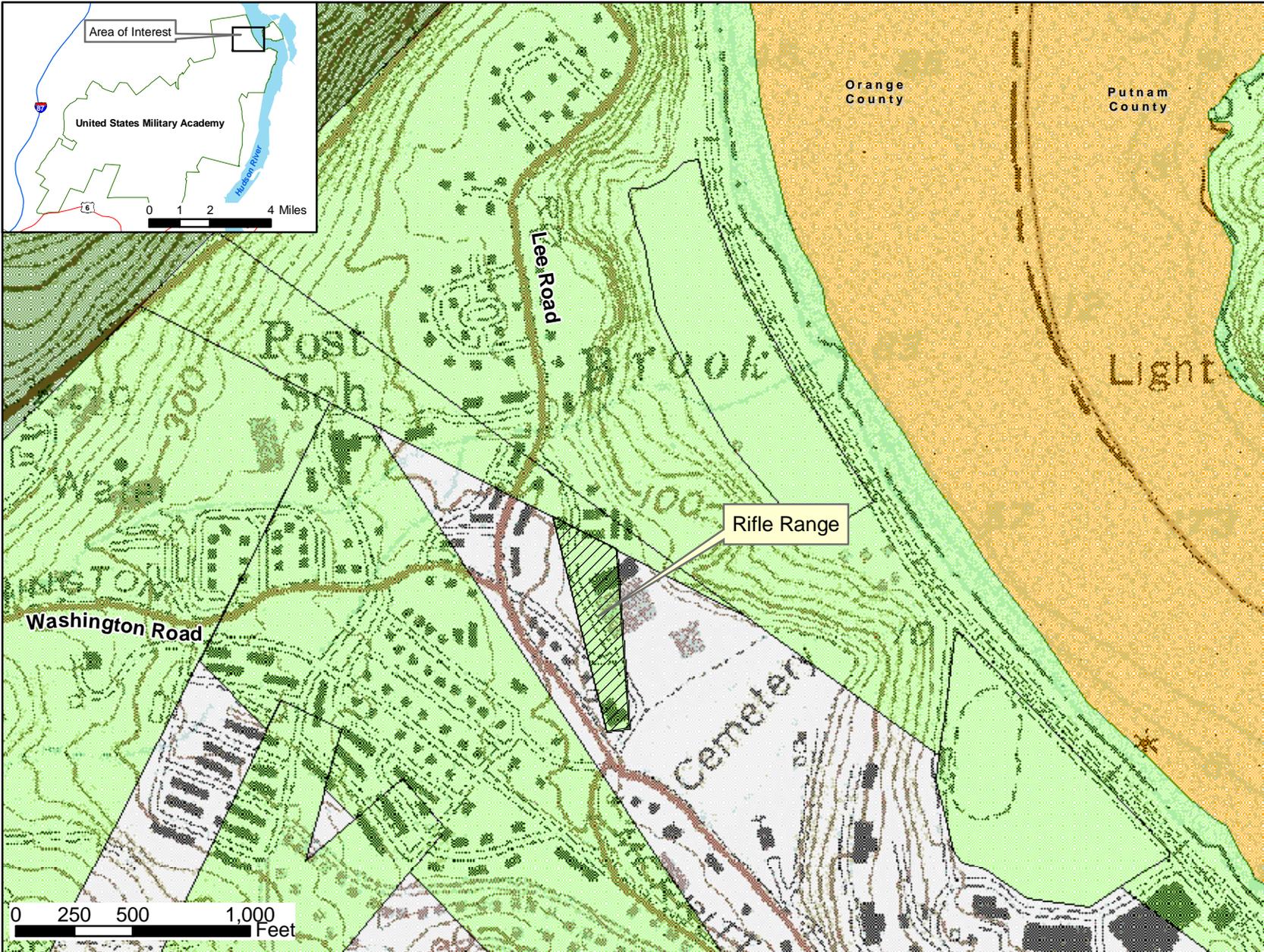
0 250 500 1,000  
Feet



# Historical Records Review United States Military Academy, NY



Figure 20  
Rifle Range  
MMRP Site



### Legend

- US Highway
- Contour
- Operational Range
- Rifle Range
- Closed Range
- Transferred Range
- Non Range, Non UXO-DMM-MC Area
- County
- Water Body



Source:  
WSPT05713

Edition: Draft Report

Date: January 2005



# Historical Records Review United States Military Academy, NY

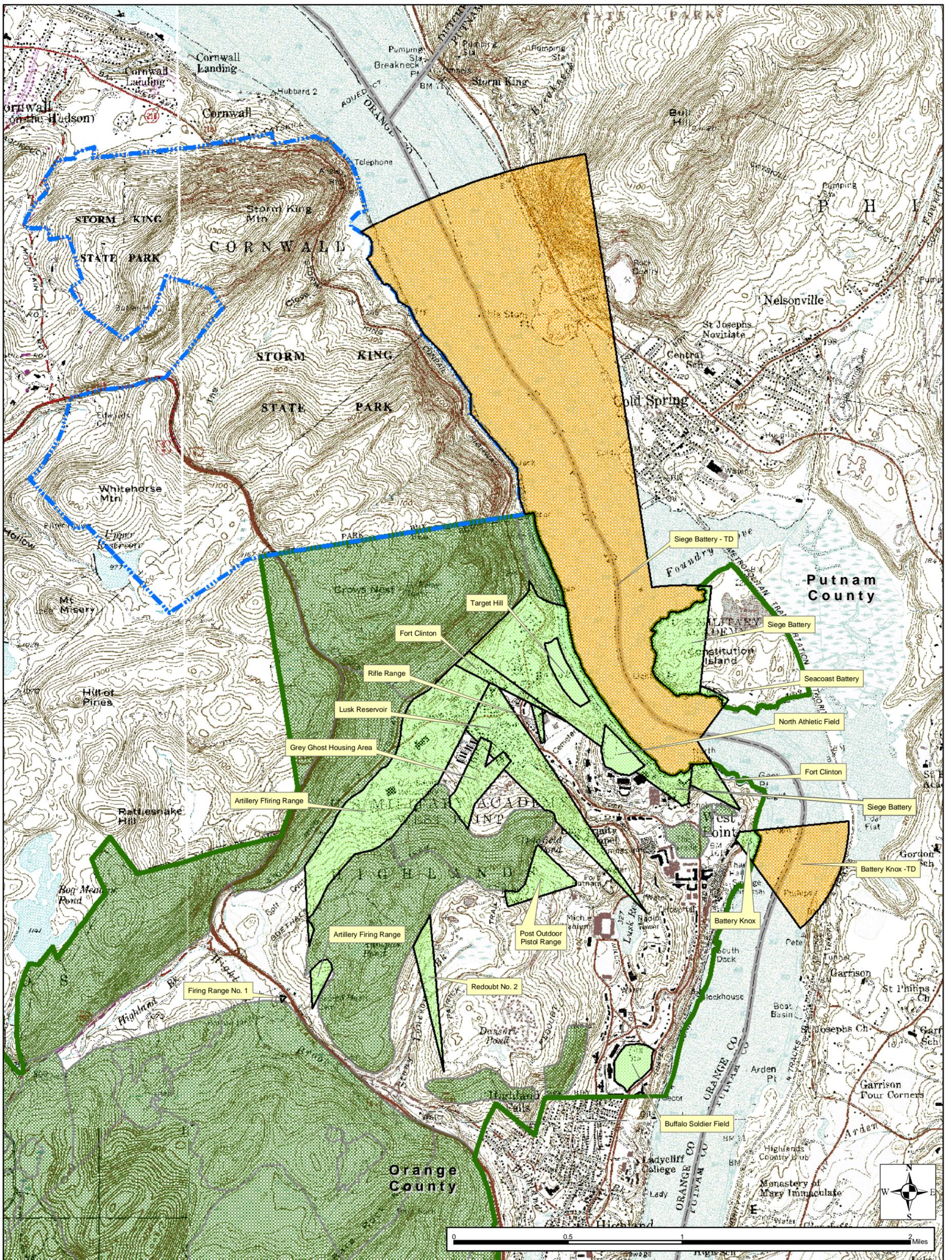


Figure 21  
Revised MMRP Sites  
at USMA

### Legend

- US Highway
- Contour
- Storm King/Crows Nest FUDA Area
- Installation Boundary
- Operational Range
- Closed Range
- Transferred Range
- Non Range, Non UXO-DMM-MC Area
- Water Body
- County

Source:  
WSP03611  
WSP04095  
WSP05713  
WSP05714

Edition: Draft Report  
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## Large Caliber Ammunition

Large caliber ammunition was used at Range No. 1 in the early 1940s. The weapon used for training at the range was a 37mm M3, anti-tank gun with carriage. Several types of ammunition were available for this weapon including armor-piercing shot, high explosive shot, and canisters filled with lead balls. However, it is assumed that for training purposes, the shot used at West Point would have been 37mm Target Practice M51 with tracer (M51TP).

The projectiles for the M51TP are inert except for the tracer in the base. Non-energetic MC associated with the M51TP include the components of the casing that are made of steel with copper alloy. The MC of the tracer include magnesium, aluminum, strontium peroxide, strontium oxalate, strontium nitrate, and calcium resonate. The propellant for the M51TP is made of NC, NG, barium nitrate, potassium nitrate, ethyl centralite, and graphite.

## Artillery

Historic documentation indicates that artillery was used at the Artillery Firing Range, Battery Knox, Fort Clinton, Seacoast Battery, Siege Battery, Target Hill, Lusk Reservoir, Redoubt No. 2, and the Range Danger Area. The artillery used at these ranges based on historic documentation and munitions found at the ranges include:

2.95-inch howitzers	81mm mortars
7-inch steel-breech-loading howitzers	4.2-inch mortars
7-inch howitzers	7-inch breech-loading mortars
70-inch breech-loading rifle howitzers	8-inch smooth bore siege mortars
75mm howitzers	12-inch breech-loading rifle mortars
105mm howitzers	13-inch smooth bore mortars
155mm howitzers	15-inch mortars
75mm guns	16-inch mortars
6-inch high capacity guns	2.36-inch rocket launchers
Brass 4-pounders	3.5-inch rocket launchers
Iron 6-pounders	3.2-inch rifles
Iron 12-pounders	4½-inch rifled guns
Iron 18-pounders	8-inch muzzle-loading rifles
30-pound Parrott guns	5-inch steel breech-loading guns
100-pound Parrott guns	6-inch disappearing coastal defense guns
20-pound Parrott guns	8-inch Rodman guns
300-pound Parrott guns	10-inch muzzle-loading Rodman guns
Brass mortars	5-inch smooth bore Rodman guns
60mm mortars	

Nitrocellulose powder was adopted by the Army in 1899 thus, NC is considered potential MC for artillery used starting in 1899. Diphenylamine was introduced as a stabilizer in 1909, making this a potential MC for artillery used starting in 1909.

### Projectile Fillers and Bursting Charges for Projectiles

In 1912, the U.S. Army adopted TNT as a projectile filler as a replacement for picric acid. Prior to the use of picric acid, BP was used for the bursting charges in projectiles. During the time frame of 1912 to 1940, 50-50 Amatol, a mixture of 50 percent ammonium nitrate and 50 percent TNT was often used as a substitution for pure TNT. Therefore potential MC for artillery used prior to 1912 includes, but is not limited to, picric acid and black powder, which contains potassium nitrate, charcoal, and sulfur, and could be found at the firing point and down range. Potential MC for artillery used between 1912 and 1940 includes, but is not limited to TNT and ammonium nitrate and could be found at the firing point and down range.

### Fuzes

Fuzes used prior to 1905 could contain any number of standard or non-standard fuzes. The primary energetic components of fuzes used after 1905 were mercury fulminate and BP, and are therefore considered potential MC. These constituents may be found at the firing point and down range. The fuzes themselves are considered potential MEC and may be found at the firing point as discarded munitions and down range.

### Primers and Propellants

Primers could be found abandoned at all artillery firing ranges, and are potential MEC. Potential MC from primers include sulfur, potassium chlorate, antimony sulfate, BP, and mercury fulminate, and would only be found at the firing points. Battery Knox, Fort Clinton, Seacoast Battery, Siege Battery, and Target Hill ranges were constructed in an era when primer material for artillery fuses contained lead and mercury; therefore, these constituents are also listed as potential MC for the respective ranges.

The propellants used with artillery at USMA varied over time. Prior to 1906, BP or NC were used as propellants. After 1906, NC or a mixture of NC/NG was used. These constituents would be potential MC for the artillery firing points.

### Rodman Guns, Parrott Rifles and Guns, Muzzle Loaders, and Breech Loaders

All muzzle loaders and breech loaders that are not listed as having cartridges (such as Rodman Guns, Parrott Rifles, and 8-inch converted rifles were loaded with bagged propellant, and thus would not have expended cartridges and/or discarded cartridges. The bagged charges were loaded with BP, therefore BP is a potential MC at the firing points for these weapons. All guns listed as having cartridges would have left these expended and discarded cartridges at the firing point. The potential MC associated with these cartridges are NC, diphenylamine, and BP.

Weapons such as 20- and 30-pound Parrott Rifles could have had primers, BP propelling charges, and unfired BP-loaded projectiles abandoned at the firing points. The BP-loaded projectiles and related solid shot could be found down range. The 100-, 200-, and 300-pound Parrott guns could have abandoned primers, fuzes, BP propelling charges, and unfired BP-filled shells at their firing points. Only the fuzes, BP-filled shells, and related solid-shot would be found down range.

Virtually all of the Parrott Rifles and Rodman guns could fire BP-loaded shells, solid iron shot, grapeshot, and canisters. Grapeshot is a grouping of large iron balls that are solid and inert. The canister is similar to grapeshot, except the balls are occasionally brass and are much smaller than the grapeshot. The 8-inch and 10-inch Rodman Guns could have abandoned primers, fuzes, BP propelling charges, and BP-filled shells at the firing point. Only the fuzes, BP-filled shells, and related solid shot would be found down range. This is also true for 8-inch converted rifles. It should be noted that the solid shot, grape shot, canisters, and iron ball are not considered to have an explosive issue associated with them, and, therefore, are not considered MEC.

#### Shrapnel Projectiles and Sub-Caliber Devices

Shrapnel projectiles are munitions with a powder-train timed fuze that are loaded with lead balls in a resin matrix, with a BP ejection charge. The fuzes and projectiles could be found at both the firing point and down range.

Weapons listed as firing sub-caliber devices could have the sub-caliber cartridge containing either a sand filled or solid steel projectile abandoned at the firing point. The potential MC associated with these weapons includes NC and NG. The fired projectiles could also be found down range.

#### Time Dependent Artillery

Both Battery Knox and Siege Battery were used over an extended period of time. Based on their use over this large span of time, the potential MC are time dependent and have evolved.

Between 1869 and 1891, all the weapons listed as being used at these ranges may have abandoned primers, fuzes, BP propelling charges, and BP-loaded projectiles at the firing points. Only the fuzes, BP-filled projectiles, and related shot would be found down range.

From 1892 to 1899, all of the weapons listed except for the 10-inch smooth bore mortars and 3.2-inch field guns could have primers, fuzes, NC propelling charges and high explosive (picric acid, not TNT), and shrapnel projectiles found down range. The 10-inch smooth bore mortar could have primers, fuzes, BP propelling charges, and BP projectiles abandoned at the firing point, and fuzes and BP projectiles down range. The 2.5-inch siege rifles and the 3.2-inch field guns could have cartridges containing either BP or NC propelling charges, or BP shrapnel propelling charges abandoned at the firing point. Only the BP shrapnel projectiles would be found down range for the 2.5-inch siege rifles and the 3.2-inch field guns.

From 1906 through 1918, all listed weapons could have primers, fuzes, NC or NC/NG based propelling charges and high explosive (picric acid or TNT) loaded projectiles abandoned at the firing site. With the exception of the mortars, all weapons could also have BP shrapnel projectiles down range. In addition, with the exception of the mortars, all of the listed weapons could have sub-caliber devices installed on the weapon instead of the service ammunition to practice firing. When this was done, the sub-caliber cartridge (NC or NC/NG propellant) containing a sand filled or solid steel projectile could have been abandoned at the firing point and the fired projectiles could be found down range.

**Table 4-1: Summary of Potential MEC and MC**

<b>Munitions Response Area</b>	<b>Potential Munitions</b>	<b>Potential Primary Release Mechanism</b>	<b>Potential MEC at Firing Point*</b>	<b>Potential MC at Firing Point</b>	<b>Potential MEC Down Range*</b>	<b>Potential MC Down Range</b>
Artillery Firing Range	Artillery	2.95-inch Mountain Howitzers, 75mm gun M1897, 75mm gun M1907, 6-inch high capacity gun, 15-inch mortar, 16-inch mortar	75mm munitions, 6-inch MK 34 projectiles, Powder Train Time Fuze 1907-M fuzes, 75mm HE and ejection rounds, and fuzes, friction primers, percussion primers	Mercury fulminate, potassium nitrate, charcoal, sulfur, NC, NG, diphenylamine, TNT, ammonium nitrate	Powder Train Time Fuze 1907-M fuzes, 75mm HE and ejection rounds and fuzes	Mercury fulminate, potassium nitrate, sulfur, TNT, ammonium nitrate
Battery Knox and Battery Knox – TD	Artillery	100-lb Parrott guns, 200-lb Parrott guns, 8-inch Rodman guns, 10-inch muzzle-loaded Rodman guns	Friction primers, percussion primers, fuzes, BP propelling charges, unfired BP shells	Antimony, lead, mercury, copper, zinc, sulfur, potassium chlorate, antimony sulfate, TNT, potassium nitrate, mercury fulminate, diphenylamine, ammonium nitrate, picric acid	Fuzes, BP-filled shells	Antimony, copper, zinc, mercury fulminate, potassium nitrate, sulfur
Buffalo Soldier Field	Small Arms	Unknown	No MEC is expected	NC, NG, picric acid, TNT, DNT, mercury fulminate	No MEC is expected	Lead, copper, antimony

<b>Munitions Response Area</b>	<b>Potential Munitions</b>	<b>Potential Primary Release Mechanism</b>	<b>Potential MEC at Firing Point*</b>	<b>Potential MC at Firing Point</b>	<b>Potential MEC Down Range*</b>	<b>Potential MC Down Range</b>
Fort Clinton (Fort Arnold)	Artillery	Brass 4-pounder, brass mortars, iron 12-pounder, iron 18-pounder, 75mm guns	BP-filled shells, friction primers, percussion primers	Sulfur, potassium chlorate, antimony sulfate, potassium nitrate, mercury fulminate	BP-filled shells	Lead, mercury, potassium nitrate, sulfur
Grey Ghost Housing Area	Small arms	.22 caliber machine guns, .30 caliber machine guns, .22 caliber rifle, .45 caliber rifle	No MEC is expected	NC, NG, picric acid, TNT, DNT, mercury fulminate	No MEC is expected	Lead, TNT, BP, copper, antimony
North Athletic Field	Artillery	Large caliber HE and practice rounds	Not Applicable (no firing occurred in this area)	Not Applicable (no firing occurred in this area)	Fuzes, BP-filled projectiles, HE and shrapnel loaded projectiles	Antimony, lead, mercury, copper, zinc, potassium nitrate, charcoal, sulfur, mercury fulminate
	Small arms	.22 caliber rifles	No MEC is expected	NC, NG, picric acid, TNT, DNT, mercury fulminate	No MEC is expected	Lead, TNT, BP, copper, antimony
Post Outdoor Pistol Range	Small arms	Any pistol of .45 caliber or smaller	No MEC is expected	NC, diphenylamine, NG, DNT	No MEC is expected	Lead, copper, antimony

<b>Munitions Response Area</b>	<b>Potential Munitions</b>	<b>Potential Primary Release Mechanism</b>	<b>Potential MEC at Firing Point*</b>	<b>Potential MC at Firing Point</b>	<b>Potential MEC Down Range*</b>	<b>Potential MC Down Range</b>
Seacoast Battery	Artillery	8-inch Rodman rifle, 10-inch Rodman rifle, 15-inch Rodman rifle, 100-lb Parrott gun, 200-lb Parrott gun, 300-lb Parrott gun, 8-inch muzzle loading rifle, 15-inch smooth bore Rodman guns, 13-inch smooth bore mortar, 12-inch breech-loading rifle mortar	Friction primers, percussion primers, fuzes, BP propelling charges, unfired BP shells, black power loaded shells	NC, NG, picric acid, TNT, potassium nitrate, sulfur, ammonium nitrate, potassium chlorate, antimony sulfate, mercury fulminate	Fuzes, BP-loaded shells	Lead, mercury, potassium nitrate, sulfur, mercury fulminate

<b>Munitions Response Area</b>	<b>Potential Munitions</b>	<b>Potential Primary Release Mechanism</b>	<b>Potential MEC at Firing Point*</b>	<b>Potential MC at Firing Point</b>	<b>Potential MEC Down Range*</b>	<b>Potential MC Down Range</b>
Siege Battery and Siege Battery – TD	Artillery	Iron 6-pounders, 4½-inch rifled gun, 30-lb. Parrott gun, 10-inch smooth bore siege mortars, 8-inch smooth bore siege mortars, 3.2-inch rifle, 5-inch steel breech-loading gun, 7-inch steel breech-loading howitzers, 7-inch howitzers, 7-inch breech-loading mortars, 70-inch breech-loading rifle howitzers, 6-inch disappearing coastal defense gun	Fuzes, BP propelling charges, BP-loaded projectiles, NC propelling charges, HE and shrapnel loaded projectiles, friction primers, percussion primers, sub-caliber cartridges	Antimony, lead, mercury, copper, zinc, potassium nitrate, sulfur, potassium chlorate, antimony sulfate, TNT, mercury fulminate, NC, picric acid, NG	Fuzes, BP-filled projectiles, canisters, HE and shrapnel loaded projectiles	Antimony, lead, mercury, copper, zinc, potassium nitrate, sulfur, mercury fulminate
Target Hill	Artillery	Large caliber HE and practice rounds	Not Applicable (no firing occurred in this area)	Not Applicable (no firing occurred in this area)	Fuzes, BP-filled projectiles, HE and shrapnel loaded projectiles	Antimony, lead, mercury, copper, zinc, potassium nitrate, charcoal, sulfur, mercury fulminate



<b>Munitions Response Area</b>	<b>Potential Munitions</b>	<b>Potential Primary Release Mechanism</b>	<b>Potential MEC at Firing Point*</b>	<b>Potential MC at Firing Point</b>	<b>Potential MEC Down Range*</b>	<b>Potential MC Down Range</b>
Lusk Reservoir	Artillery	2.95-inch Mountain Howitzers, 75mm gun M1897, 75mm gun M1907, 6-inch high capacity gun, 15-inch mortar, 16-inch mortar	75mm munitions, 6-inch MK 34 projectiles, Powder Train Time Fuze 1907-M fuzes, 75mm HE and ejection rounds, and fuzes, friction primers, percussion primers	Mercury fulminate, potassium nitrate, sulfur, NC, NG, diphenylamine, TNT, ammonium nitrate	Powder Train Time Fuze 1907-M fuzes, 75mm HE and ejection rounds and fuzes	Mercury fulminate, potassium nitrate, sulfur, TNT, ammonium nitrate
Redoubt No. 2	Artillery	2.95-inch Mountain Howitzers, 75mm gun M1897, 75mm gun M1907, 6-inch high capacity gun, 15-inch mortar, 16-inch mortar	75mm munitions, 6-inch MK 34 projectiles, Powder Train Time Fuze 1907-M fuzes, 75mm HE and ejection rounds, and fuzes, friction primers, percussion primers	Mercury fulminate, potassium nitrate, sulfur, NC, NG, diphenylamine, TNT, ammonium nitrate	Powder Train Time Fuze 1907-M fuzes, 75mm HE and ejection rounds and fuzes	Mercury fulminate, potassium nitrate, sulfur, TNT, ammonium nitrate
Rifle Range	Small Arms	Unknown	No MEC is expected	NC, NG, picric acid, TNT, DNT, mercury fulminate	No MEC is expected	Lead, TNT, BP, copper, antimony

\*Note: Solid shot, grapeshot, and canisters might be found at artillery firing points and down range. These items are not potential MEC because they are inert and contain no explosive hazards.

## 5.0 CONCLUSIONS

The following conclusions are provided as a result of the information reviewed for this HRR.

- Twelve MMRP sites were identified at USMA during the Range Inventory. Ten of these sites are closed ranges located within the USMA installation boundary and include artillery batteries, small arms ranges, and artillery practice ranges. The two additional ranges were transferred ranges that consist of the firing fans for artillery batteries that extend beyond the boundaries of the installation.
- While conducting research for this report, seven additional ranges were identified.
  - Range No. 1 is located completely within the installation boundary, but the firing point is located outside of the operational range area, and therefore would be a closed range. Only the firing point and a small portion of the range fan encompassing approximately 0.2 acres is MMRP eligible.
  - Range No. 8 and the Unnamed Range are mostly within the operational range area, but portions of their safety fans extend beyond the installation boundary, and therefore would be transferred ranges. However, based on the topography in the areas and the use of these ranges it is not anticipated that the areas outside the installation boundary would have been impacted by their use. Therefore, these two ranges are not considered MMRP-eligible.
  - The Range Danger Area consists of a portion of the historically defined range danger area that is outside the operational range area. The installation's golf course has occupied much of this area since 1949. Firing within the range danger area occurred in directions away from this northern portion and it is not likely that munitions had any impact on the area. Therefore, this site is not considered MMRP eligible.
  - The Lusk Reservoir Artillery Firing Range was used from 1906 through 1916. Firing from this location occurred into the Crows Nest FUDS area. The portion of this firing range not encompassed by other closed or operational ranges consists of 83.19 acres. The use of this range indicates it is MMRP eligible.
  - The Redoubt No. 2 Artillery Firing Range was used in 1915 and 1916. Firing from this location occurred into the Crows Nest FUDS area. The portion of this firing range not encompassed by other closed or operational ranges consists of 19.61 acres. The use of this range indicates it is MMRP eligible.
  - The Rifle Range was located west and north of the USMA cemetery and was constructed in 1910. Firing on the range occurred to the north. The portion of this range not encompassed by other closed or operational ranges consists of 3.35 acres. The use of this site indicates it is MMRP eligible.

- The Grey Ghost Housing Area was identified in the Range Inventory as an 18-acre closed range located in the central campus area. Historical research conducted for this report indicated the machine gun, pistol and rifle ranges associated with this site were located to the north of the previously identified area. Firing from these ranges occurred to the south southwest and exceeded the extent of the area identified in the Range Inventory report. The modified Grey Ghost House Area consists of 26.84 acres.
- The North Athletic Field was identified in the Range Inventory as a MMRP-eligible site because fill dirt from the Target Hill area had been used to construct the complex. Therefore, the potential existed for MEC and MC related to artillery firing to be located at the site. In addition, historical records reviewed for this report indicated that a rifle range was also located at this site from the early 1900s until the athletic field complex was built in the late 1930s.
- Based on historical records, MEC and MC from artillery munitions might exist at the following closed and transferred ranges:
  - Artillery Firing Range
  - Battery Knox and Battery Knox –TD
  - Fort Clinton
  - North Athletic Field
  - Seacoast Battery
  - Siege Battery and Siege Battery – TD
  - Target Hill
  - Lusk Reservoir Artillery Firing Range
  - Redoubt No. 2 Artillery Firing Range

Potential MC from artillery include ammonium nitrate, antimony, antimony sulfate, copper, DNT, diphenylamine, lead, mercury, mercury fulminate, nitrate, NC, NG, picric acid, potassium chlorate, potassium sulfur, TNT, and zinc.

- Based on historical records, MC from small arms ammunition might exist at the following closed and transferred ranges:
  - Buffalo Soldier Field
  - Grey Ghost Housing Area
  - North Athletic Field
  - Post Outdoor Pistol Range
  - Range No. 1
  - Rifle Range

Potential MC from small arms include antimony, BP, copper, DNT, diphenylamine, lead, mercury fulminate, NC, NG, picric acid, and TNT.

## **Appendix A: Sources Contacted**

The following is a list of sources contacted for this HRR Report. Sources contacted during the Range Inventory are not presented here unless they were contacted in support of this effort.

### **U.S. Army Corps of Engineers**

#### *U.S. Army Corps of Engineers, Sacramento District*

Young Chong  
Project Manager  
1325 J Street  
Sacramento, CA 95814  
(916) 557-7430  
young.s.chong@usace.army.mil

As the U.S. Army Corps of Engineers Project Manager for this report, Ms. Chong provided TechLaw with project direction and technical support throughout the course of this investigation.

#### *U.S. Army Corps of Engineers, Baltimore District*

Ann Wood  
10 South Howard Street  
Baltimore, MD 21201  
(410) 962-7608

USACE-Baltimore provided TechLaw with project support throughout the course of this investigation.

### **National Archives and Records Administration**

#### *National Archives and Records Administration (NARA), College Park*

Mr. Raymond Cotton  
National Archives and Records Administration  
8601 Adelphi Rd.  
Main Reading Room, Cartographic and Architectural Branch, Still Picture Branch  
College Park, MD 27040-6001  
(301) 837-1624  
(301) 837-3622 fax

TechLaw visited the Cartographic and Architectural Branch and reviewed the finding aids for military reservations. There was a fairly large collection of historic maps in Record Group 77 for West Point. TechLaw reviewed these and made copies of relevant maps.

*National Archives and Records Administration, United States Military Academy (USMA)*

Ms. Suzanne Christoff  
USMA Archives  
Building 757, Cadet Library  
West Point, NY 10996-1711  
(845) 938-3259  
(845) 938-6444 fax  
[8libarch@exmail.usma.army.mil](mailto:8libarch@exmail.usma.army.mil)

TechLaw visited the Special Collections and Archives Branch at the USMA Library and undertook research into the history of the firing ranges and training areas at West Point. TechLaw conducted research at the Special Collections and Archives Branch from July 6-9, and August 29-September 3, 2004.

Mr. Douglas Cubbison had suggested beginning with the 19th century artillery batteries, since the least amount of information has been uncovered about them. TechLaw reviewed several folders on batteries, which included both textual and photographic materials. Copies were made of relevant pages.

Ms. Christoff also pulled several books from the stacks that outlined in general terms the history of USMA, as well as several Guides to West Point, which are publications designed for newcomers and visitors. These guides describe the history of USMA and of some of the buildings at West Point. Copies were made of relevant pages.

TechLaw also reviewed files pertaining to target ranges and target practice. These were maintained by the Ordnance and Field Artillery Departments at USMA and were organized according to the War Department Decimal Filing system. TechLaw reviewed these materials and made copies of relevant pages.

The Archives and Special Collections Branch is a satellite branch of the National Archives and Records Administration and maintains the historic records for USMA. The record group for these documents is RG 404. TechLaw reviewed a finding aid for this Record Group, reviewed the materials, and made copies of relevant pages.

TechLaw also conducted research at the USMA Archives Library on October 6 and 7, 2004 and researched acquisition and disposal information for Battery Knox - TD and Siege Battery - TD. TechLaw came across deeds regarding Young's transfer of the property to the U.S. Government. No other information was found. Documents reviewed included a book "Information Relating to the Lands Comprising the Military Reservation at West Point, New York", Preliminary Planning Reference Files, Minutes of Meetings (May 1880 - May 1885), Correspondence Files (December 1867- April 1885), Press Copies of Letters, and Superintendent Reports from various years.

National Archives and Records Administration, Washington, D.C.

Ms. Brenda Kepley  
National Archives and Records Administration  
Old Military and Civil Records Room  
7<sup>th</sup> and Pennsylvania Ave., NW  
Washington, DC 20408-001  
(202) 501-5385 ext. 235  
(202) 208-1903 fax

TechLaw spoke with Ms. Kepley about locating records pertaining to artillery practice at West Point since its inception. She explained that the U.S. Military Academy is a satellite branch of the Archives and maintains its own records at the library at West Point.

Ms. Kepley recommended searching Microfilm ID No. 220, Reports of the Secretary of War to Congress, 1803-1870. These reports would contain sections pertaining to activities at USMA. TechLaw reviewed these reels and made copies of these materials for the years not available from the West Point website.

Regarding other records at NARA – Washington, D.C., Ms. Kepley mentioned certain collections of correspondence on microfilm that might contain relevant information. However, she noted that these records would prove difficult to research, because they have only name and rudimentary subject indices. These collections are:

RG 77	Chief of Engineers Microfilm ID 1703, Records of the Office of Engineers and General Information Index to Names and Subjects, 1789-1889, “The DeGrange Index;”
RG 404	U.S. Military Academy Microfilm ID 1089, Letters Sent by the Superintendent of the U.S. Military Academy, 1838-1902

Ms. Kepley also stated that there might be information in the earlier correspondence files of the Quartermaster General (RG 92) or the Adjutant General (RG 94), as these organizations may have had some supervisory control over USMA. Again, she stated that these would be difficult to search. These groups were not searched.

National Archives and Records Administration, New York, NY

Mr. Richard Gelbke  
National Archives and Records Administration  
201 Varick Street  
New York, NY 10014-4811  
(212) 401-1620

TechLaw spoke with Mr. Gelbke about locating records pertaining to West Point. He indicated that no information was available.

## **Installation**

### *USMA Directorate of Housing and Public Works*

Mr. Jeff Sanborn  
United States Military Academy  
Environmental Management Division  
Directorate of Housing and Public Works  
667A Ruger Road  
West Point, NY 10996-1592  
(845) 938-5041  
(845) 938-4588 fax

As the Point of Contact at West Point for this work effort, Mr. Sanborn provided historical information and access to environmental data pertaining to the sites.

Mr. Douglas Cubbison  
Architectural Historian  
United States Military Academy  
Directorate of Housing and Public Works  
667A Ruger Road  
West Point, NY 10996-1592  
(845) 938-3522

Mr. Cubbison was contacted in October 2004 regarding U.S. disposal and acquisition of the property within the range fans of Siege Battery and Battery Knox. He did not believe that the United States government ever owned or managed the property in question. Mr. Cubbison referred TechLaw to Mr. Michael Anderson at USMA's Real Estate office.

On January 12, 2005, TechLaw discussed the following additional information with Mr. Cubbison:

In 1994 Dr. Grove, USMA Historian, wrote a summary about artillery firing from 1906-1916. TechLaw asked Mr. Cubbison if he knew where Dr. Grove got his information. Mr. Cubbison had no information about the artillery firing ranges and suggested we contact Dr. Grove directly. Mr. Cubbison was not aware of any historic names for firing points such as King Avery Meadow, public meadow, or the cemetery on Eagle Valley Road.

Mr. Cubbison didn't know where information came from that indicated an artillery firing point existed near the current location of the Silver Depository.

Mr. Cubbison does not have any information related to firing of artillery from near Lusk Res. or Redoubt #2.

A 1938 training schedule refers to infantry weapon training occurring at the "Coast Artillery Hangar range." Mr. Cubbison thought this might refer to an area near the North Dock, because he has historic photos that show rifle targets in this area.

USMA West Point Museum

Mr. Michael McAfee  
Curator  
United States Military Academy  
West Point Museum  
2110 New South Post Road  
West Point, NY 10996  
(845) 938-2203

TechLaw visited with museum personnel to obtain information about artillery used at USMA over time. In addition to Mr. McAfee, TechLaw met Mr. Les Jensen, Mr. Paul Ackermann, and Mr. David Reel. Mr. McAfee stated that they did not have information regarding the historical firing of artillery at West Point. However, if TechLaw could identify particular guns that had been fired, he and his staff could provide information about the type of ammunition that these guns would have fired.

They suggested contacting Steve Grove, the current USMA historian. They also recommended contacting the Putnam County Historical Society, which would have records of the West Point Foundry that fired projectiles into the vicinity of Crow's Nest. Mr. McAfee indicated that the purpose of the foundry firings had been to test guns, not projectiles, and that therefore the projectiles had probably been inert.

They also provided the names of some amateur historians, alumni, and former employees who might have additional information, as follows:

- Ken Kurdt, a local historian (no number provided);
- George Pappas, a member of the one of the last classes to fire into the Constitution Island/Crow's Nest target areas during WWII (name available from Association of Graduates);
- David Sullivan, a member of the Company of Military Historians;
- Dean Nelson, a former member of the USMA police force during the 1970s, who had explored the area in the Crow's Nest vicinity.

USMA Real Estate Office

Mr. Michael Anderson  
United States Military Academy  
Real Estate Office  
Housing Department  
667A Ruger Road  
West Point, NY 10996-1592  
(845) 938-2422

Mr. Anderson was contacted regarding U.S. disposal and acquisition of the property within the range fans of Siege Battery and Battery Knox. He informed TechLaw that the United States only owned parts of Constitution Island. The U.S. government never owned any other land relating to the range fans.

USMA Range Office

Mr. Chawyer Jones  
Range Operations Officer  
United States Military Academy  
Range Office  
West Point, NY 10996  
(845) 938-8559

Mr. Jones was contacted on January 10, 2005 regarding the training ranges at West Point.

Mr. Jones began teaching at West Point in 1996. In 2000, he began working in the range office. He stated that the current range configuration was adopted around 1950.

Mr. Jones did not have any information related to Range 8 or the Unnamed Range.

Related to the impact area (Dud Danger Zone), Mr. Jones stated that the area would have been drawn based on the SDZ for the largest munitions used within the area. According to "old-timers" that Mr. Jones had spoken with, a tank range might have existed in the area. Tank trails can still be seen. If tanks used the area, they would have fired sub-caliber munitions such as 14.5 munitions that are similar to shot guns. The only residue would be orange specks on the ground. The area is the location of the golf course. An ammunition supply point might have existed in this area, also.

Mr. Jones did not have any information related to the artillery firing ranges and suggested that TechLaw contact Mr. Cubbison.

TechLaw e-mailed several maps to Mr. Jones for his review, and contacted him again on January 19, 2005 regarding his review of the maps.

He stated that Range No. 8 was a skeet or known distance range, and only small arms would have been used there. He was not able to locate any information related to the Unnamed Range, but will continue to do research.

He confirmed that the Grey Ghost area was used for machine gun practice.

He has not been able to locate any information about activities in the northern portion of the Dud Danger Area, but will continue to do research.

## **Historical Societies, Museums, and Libraries**

### *Putnam County Historical Society*

Ms. Laurie Moss  
Putnam County Historical Society (PCHS)  
63 Chestnut Street  
Cold Spring, NY 10516  
(845) 265-4010  
(845) 265-2884 fax  
[office@pchs-fsm.org](mailto:office@pchs-fsm.org)

TechLaw spoke with Ms. Moss about information that the Historical Society might have pertaining to test firing of ordnance from the Cold Spring Foundry toward the target areas at West Point. Ms. Moss referred TechLaw to Ms. Elizabeth Norris and provided a cell phone number – (917) 648-1201. Ms. Norris is the caretaker for the Foundry and maintains a database of information, including descriptions of the holdings at the Historical Society.

The Historical Society is staffed mostly by volunteers, and it is open from Tuesday through Thursday, 10:30am to 4:00pm.

TechLaw conducted research at the Putnam County Historical Society on October 12 and 13, 2004. This information included the general history and businesses at Cold Spring, maps and deeds of Putnam County, newsletters and documentation regarding the production of heavy ordnance (including the Parrot gun), Civil War artillery, and the archaeology dig conducted by Michigan Technical University on Constitution Island.

### *Cold Springs Foundry*

Ms. Elizabeth Norris, Caretaker  
Cold Spring Foundry  
(917) 648-1201  
[enorris2000@yahoo.com](mailto:enorris2000@yahoo.com)

TechLaw phoned Ms. Norris at the recommendation of Laurie Moss at PCHS. Ms. Norris explained that she did a master's thesis on the Foundry, the correct name of which is the West Point Foundry, located in Cold Spring. There is a Cold Spring Furnace that manufactured pig iron. The ordnance was made at the West Point Foundry. In conjunction with the thesis, Ms. Norris created a database, which describes materials she gathered from various sources, including the National Archives as well as PCHS. The database also contains a brief summary of these materials. For the purposes of TechLaw's research, she recommended beginning with the database, an electronic copy of which is available at PCHS.

She also recommended reviewing a report prepared in the early 1990s by Joel Grossman, who studied the marsh area near the foundry. This report contains discussions on the test firings that were conducted in the vicinity of the Foundry dock, which extended into the marsh.

Finally, Ms. Norris stated that PCHS has a collection of photographs. Unfortunately, this collection is unorganized. She stated that if certain photos were identified as possibly being of interest, she would be willing to take a look at them to see if she could provide some background information on what was depicted.

### **Internet Research**

In addition to the data sources listed above, TechLaw also conducted research on the Internet to supplement the archival data and information received from the installation.

<http://www.library.usma.edu/archives/archives.asp>

**Appendix B: Document Index**

All relevant documents located during the research conducted for this report are included in the table below. Copies of the documents referenced within this report are included in Volume 2 of this report. Due to the amount of information contained in the cited documents, only those documents containing fewer than 30 pages are included in their entirety. Larger documents were re-examined, and only the referenced pages and other pages that may contain additional useful information were copied and are included.

<b>Document Numbers</b>	<b>Date</b>	<b>Title</b>	<b>Author</b>	<b>Author Organization</b>	<b>Source</b>
WSPT00001- WSPT00019	June 1881	Annual Report of the Board of Visitors to the United States Military Academy	George S. Greene	Board of Visitors	United States Military Academy website
WSPT00020- WSPT00028	June 1882	Annual Report of the Board of Visitors to the United States Military Academy	Horace Porter	Board of Visitors	United States Military Academy website
WSPT00029- WSPT00034	June 1883	Annual Report of the Board of Visitors to the United States Military Academy	C.R.P. Rodgers	Board of Visitors	United States Military Academy website
WSPT00035- WSPT00088	June 17, 1884	Report of the Board of Visitors on the part of The House of Representatives	George E. Waring, Jr.	Board of Visitors	United States Military Academy website
WSPT00089- WSPT00130	June 13, 1885	Annual Report of the Board of Visitors to the United States Military Academy	Edward S. Holden	Board of Visitors	United States Military Academy website
WSPT00131- WSPT00140	June 11, 1888	Annual Report of the Board of Visitors to the United States Military Academy	H.W. Slocum	Board of Visitors	United States Military Academy website
WSPT00141- WSPT00162	June 1890	Annual Report of the Board of Visitors to the United States Military Academy	John M. Wilson	Board of Visitors	United States Military Academy website

Draft Historical Records Review, United States Military Academy, West Point, NY

<b>Document Numbers</b>	<b>Date</b>	<b>Title</b>	<b>Author</b>	<b>Author Organization</b>	<b>Source</b>
WSPT00163- WSPT00197	June 1892	Report of the Board of Visitors to the West Point Military Academy	Alfred M. Ogle	Board of Visitors	United States Military Academy website
WSPT00198- WSPT00230	June 1893	Annual Report of the Board of Visitors to the United States Military Academy	S.M. Cullom	Board of Visitors	United States Military Academy website
WSPT00231- WSPT00264	June 1896	Annual Report of the Board of Visitors to the United States Military Academy	James H. Wilson	Board of Visitors	United States Military Academy website
WSPT00265- WSPT00285	June 1897	Report of the Board of Visitors to the United States Military Academy	George F. Evans	Board of Visitors	United States Military Academy website
WSPT00286- WSPT00296	June 1898	Report of the Board of Visitors to the United States Military Academy	Walter L. Bouve	Board of Visitors	United States Military Academy website
WSPT00297- WSPT00330	June 1900	Annual Report of the Board of Visitors to the United States Military Academy	Charles F. Manderson	Board of Visitors	United States Military Academy website
WSPT00331- WSPT00366	June 1901	Annual Report of the Board of Visitors to the United States Military Academy	John M. Schofield	Board of Visitors	United States Military Academy website
WSPT00367- WSPT00377	June 1902	Annual Report of the Board of Visitors to the United States Military Academy	Charles F. Roe	Board of Visitors	United States Military Academy website
WSPT00378- WSPT00405	June 13, 1905	Annual Report of the Board of Visitors to the United States Military Academy	Franklin Murphy	Board of Visitors	United States Military Academy website
WSPT00406- WSPT00433	June 13, 1906	Annual Report of the Board of Visitors to the United States Military Academy	Horace Porter	Board of Visitors	United States Military Academy website

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WSPT00434- WSPT00441	December 1908	Report of the Board of Visitors to the United States Military Academy	H.L. Scott	Board of Visitors	United States Military Academy website
WSPT00442- WSPT00449	May 21, 1921	Report of the Board of Visitors to the United States Military Academy	John F. Miller	Board of Visitors	United States Military Academy website
WSPT00450- WSPT00471	March 31, 1819	Annual Report of the Board of Visitors to the United States Military Academy	J.M. Carson, Jr.	Board of Visitors	United States Military Academy website
WSPT00472- WSPT00478	1821	Annual Report of the Board of Visitors to the United States Military Academy	Not Indicated	Board of Visitors	United States Military Academy website
WSPT00479- WSPT00493	June 30, 1823	Annual Report of the Board of Visitors to the United States Military Academy	Robert Patterson	Board of Visitors	United States Military Academy website
WSPT00494- WSPT00518	May 14, 1824	Annual Report of the Board of Visitors to the United States Military Academy	Alexander Macomb	Board of Visitors	United States Military Academy website
WSPT00519- WSPT00523	June 6, 1825	Annual Report of the Board of Visitors to the United States Military Academy	Not Indicated	Board of Visitors	United States Military Academy website
WSPT00524- WSPT00539	June 24, 1826	Annual Report of the Board of Visitors to the United States Military Academy	Samuel Houston	Board of Visitors	United States Military Academy website
WSPT00540- WSPT00547	June 21, 1833	Report of the Board of Visitors to the United States Military Academy	W.H.D. Holstein	Board of Visitors	United States Military Academy website

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WSPT00548- WSPT00556	June 1867	Report of the Board of Visitors to the United States Military Academy	Francis Vinton	Board of Visitors	United States Military Academy website
WSPT00557- WSPT00562	June 16, 1868	Report of the Board of Visitors to the United States Military Academy	W.B. Franklin	Board of Visitors	United States Military Academy website
WSPT00563- WSPT00578	June 19, 1869	Report of Board of Visitors to the United States Military Academy	C.H. Warren	Board of Visitors	United States Military Academy website
WSPT00579- WSPT00593	October 20, 1870	Annual Report of the Board of Visitors to the United States Military Academy	John P. Newman	Board of Visitors	United States Military Academy website
WSPT00594- WSPT00612	July 1, 1871	Annual Report of the Board of Visitors to the United States Military Academy	Byron Sunderland	Board of Visitors	United States Military Academy website
WSPT00613- WSPT00628	June 1872	Annual Report of the Board of Visitors to the United States Military Academy	H.T. Reid	Board of Visitors	United States Military Academy website
WSPT00629- WSPT00645	June 1873	Annual Report of the Board of Visitors to the United States Military Academy	M. Russell Thayer	Board of Visitors	United States Military Academy website
WSPT00646- WSPT00650	June 1874	Annual Report of the Board of Visitors to the United States Military Academy	Francis Wayland	Board of Visitors	United States Military Academy website
WSPT00651- WSPT00665	July 23, 1875	Annual Report of the Board of Visitors to the United States Military Academy	S.C. Rowan	Board of Visitors	United States Military Academy website
WSPT00666- WSPT00676	June 30, 1876	Annual Report of the Board of Visitors to the United States Military Academy	Charles Devens, Jr.	Board of Visitors	United States Military Academy website

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WSPT00677- WSPT00700	1877	Annual Report of the Board of Visitors to the United States Military Academy	Charles O. Thompson	Board of Visitors	United States Military Academy website
WSPT00701- WSPT00722	June 1878	Annual Report of the Board of Visitors to the United States Military Academy	Charles Venable	Board of Visitors	United States Military Academy website
WSPT00723- WSPT00743	1879	Annual Report of the Board of Visitors to the United States Military Academy	Noah Porter	Board of Visitors	United States Military Academy website
WSPT00744- WSPT00763	June 1880	Annual Report of the Board of Visitors to the United States Military Academy	Robert Patterson	Board of Visitors	United States Military Academy website
WSPT00764- WSPT00789	September 8, 1890	Annual Report of the Superintendent of the United States Military Academy	J.M. Carson, Jr.	Superintendent of the United States Military Academy	United States Military Academy website
WSPT00790- WSPT00813	September 1, 1891	Annual Report of the Superintendent of the United States Military Academy	J.M. Carson, Jr.	Superintendent of the United States Military Academy	United States Military Academy website
WSPT00814- WSPT00849	September 5, 1892	Annual Report of the Superintendent of the United States Military Academy	Joseph E. Kuhn	Superintendent of the United States Military Academy	United States Military Academy website
WSPT00850- WSPT00880	September 26, 1893	Annual Report of the Superintendent of the United States Military Academy	J.M. Carson, Jr.	Superintendent of the United States Military Academy	United States Military Academy website
WSPT00881- WSPT00912	September 24, 1894	Annual Report of the Superintendent of the United States Military Academy	Roswell P. Flower	Superintendent of the United States Military Academy	United States Military Academy website
WSPT00913- WSPT00938	September 16, 1895	Annual Report of the Superintendent of the United States Military Academy	J.B. Bellinger	Superintendent of the United States Military Academy	United States Military Academy website

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WSPT00939- WSPT00963	September 26, 1896	Annual Report of the Superintendent of the United States Military Academy	J.B. Bellinger	Superintendent of the United States Military Academy	United States Military Academy website
WSPT00964- WSPT00988	September 23, 1897	Annual Report of the Superintendent of the United States Military Academy	J.B. Bellinger	Superintendent of the United States Military Academy	United States Military Academy website
WSPT00989- WSPT01016	September 19, 1898	Annual Report of the Superintendent of the United States Military Academy	William L. Kneedler	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01017- WSPT01053	September 21, 1899	Annual Report of the Superintendent of the United States Military Academy	P.S. Michie	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01054- WSPT01105	September 15, 1900	Annual Report of the Superintendent of the United States Military Academy	George W. Goethals	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01106- WSPT01153	September 24, 1901	Annual Report of the Superintendent of the United States Military Academy	Not Indicated	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01154- WSPT01207	September 15, 1902	Annual Report of the Superintendent of the United States Military Academy	G.F. Fieberger	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01208- WSPT01262	September 12, 1903	Annual Report of the Superintendent of the United States Military Academy	Not Indicated	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01263- WSPT01319	September 12, 1904	Annual Report of the Superintendent of the United States Military Academy	F.E. Hobbs	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01320- WSPT01383	September 14, 1905	Annual Report of the Superintendent of the United States Military Academy	Roy L. Marston	Superintendent of the United States Military Academy	United States Military Academy website

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WSPT01384- WSPT01448	August 31, 1906	Annual Report of the Superintendent of the United States Military Academy	A.L. Mills	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01449- WSPT01529	August 13, 1907	Annual Report of the Superintendent of the United States Military Academy	Hugh L. Scott	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01530- WSPT01585	June 30, 1916	Annual Report of the Superintendent of the United States Military Academy	C.P. Townsley	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01586- WSPT01629	June 30, 1917	Annual Report of the Superintendent of the United States Military Academy	S.E. Tillman	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01630- WSPT01676	November 15, 1918	Annual Report of the Superintendent of the United States Military Academy	S.E. Tillman	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01677- WSPT01729	June 30, 1920	Annual Report of the Superintendent of the United States Military Academy	Douglas MacArthur	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01730- WSPT01748	June 30, 1921	Annual Report of the Superintendent of the United States Military Academy	Douglas MacArthur	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01749- WSPT01782	June 20, 1922	Annual Report of the Superintendent of the United States Military Academy	John F. Miller	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01783- WSPT01803	June 30, 1923	Annual Report of the Superintendent of the United States Military Academy	Fred W. Sladen	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01804- WSPT01816	June 30, 1924	Annual Report of the Superintendent of the United States Military Academy	Fred W. Sladen	Superintendent of the United States Military Academy	United States Military Academy website

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WSPT01817- WSPT01844	June 30, 1925	Annual Report of the Superintendent of the United States Military Academy	Not Indicated	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01845- WSPT01849	June 30, 1926	Annual Report of the Superintendent of the United States Military Academy	M.B. Stewart	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01850- WSPT01854	June 30, 1927	Annual Report of the Superintendent of the United States Military Academy	C.B. Hodges	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01855- WSPT01861	June 30, 1928	Annual Report of the Superintendent of the United States Military Academy	Not Indicated	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01862- WSPT01869	June 30, 1929	Annual Report of the Superintendent of the United States Military Academy	Not Indicated	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01870- WSPT01876	July 25, 1930	Annual Report of the Superintendent of the United States Military Academy	Not Indicated	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01877- WSPT01887	July 25, 1931	Annual Report of the Superintendent of the United States Military Academy	Not Indicated	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01888- WSPT01898	July 29, 1932	Annual Report of the Superintendent of the United States Military Academy	Not Indicated	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01899- WSPT01904	August 17, 1933	Annual Report of the Superintendent of the United States Military Academy	Not Indicated	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01905- WSPT01911	August 1, 1934	Annual Report of the Superintendent of the United States Military Academy	Not Indicated	Superintendent of the United States Military Academy	United States Military Academy website

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WSPT01912- WSPT01920	August 1, 1935	Annual Report of the Superintendent of the United States Military Academy	Wm. D. Connor	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01921- WSPT01929	October 28, 1936	Annual Report of the Superintendent of the United States Military Academy	Wm. D. Connor	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01930- WSPT01942	November 15, 1937	Annual Report of the Superintendent of the United States Military Academy	Wm. D. Connor	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01943- WSPT01948	September 18, 1938	Annual Report of the Superintendent of the United States Military Academy	Jay L. Benedict	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01949- WSPT01956	December 8, 1939	Annual Report of the Superintendent of the United States Military Academy	Jay L. Benedict	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01957- WSPT01964	September 3, 1940	Annual Report of the Superintendent of the United States Military Academy	Jay L. Benedict	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01965- WSPT01968	December 31, 1908	Annual Report of the Superintendent of the United States Military Academy	C.W. Kutz	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01969- WSPT01973	1909	Annual Report of the Superintendent of the United States Military Academy	Not Indicated	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01974- WSPT01977	1910	Annual Report of the Superintendent of the United States Military Academy	Not Indicated	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01978- WSPT01985	1911	Annual Report of the Superintendent of the United States Military Academy	Not Indicated	Superintendent of the United States Military Academy	United States Military Academy website

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WSPT01986- WSPT01988	1912	Annual Report of the Superintendent of the United States Military Academy	Not Indicated	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01989- WSPT01990	1913	Annual Report of the Superintendent of the United States Military Academy	Not Indicated	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01991- WSPT01993	1915	Annual Report of the Superintendent of the United States Military Academy	Not Indicated	Superintendent of the United States Military Academy	United States Military Academy website
WSPT01994- WSPT01997	2002	West Point, U.S, Military Academy – The Campus Guide	Alexander M. Haig, Jr.	Not Indicated	United States Military Academy
WSPT01998- WSPT02018	1990	Letterbook, 1889 Description of Buildings	Charles W. Williams	Quartermaster’s Office	United States Military Academy
WSTP02019- WSPT02056	July 2, 1971	The Fortification of Constitution Island, 1775-1783	Ltc. Charles E. Miller, Jr.	Department of History	United States Military Academy
WSPT02057- WSPT02168	August 1979	Highland Fortress: The Fortification of West Point During the American Revolution, 1775-1783	Charles E. Miller, Jr., Donald W. Lockey, Joseph Visconti, Jr.	Military History Division	United States Military Academy
WSPT02169- WSPT02170	1906	Guide to West Point – The Batteries	Not Indicated	Buildings and Grounds - Batteries	United States Military Academy
WSPT02171- WSPT02178	1916	Battery Byrne documents	Not Indicated	Buildings and Grounds – Battery Byrne	United States Military Academy
WSPT02179- WSPT02184	1958	Target & Bombing Ranges	Not Indicated	Not Indicated	United States Military Academy
WSPT02185- WSPT02195	1937	Target Ranges	Not Indicated	Not Indicated	United States Military Academy

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WSPT02196- WSPT02197	1951-1952	Target Ranges	Winfield L. Martin	United States Military Academy	United States Military Academy
WSPT02198- WSPT02200	1953	Target and Bombing Ranges	Edwin T. Miller	United States Military Academy	United States Military Academy
WSPT02201- WSPT02203	1957	Target and Bombing Ranges	Julian J. Ewell	United States Military Academy	United States Military Academy
WSPT02204- WSPT02210	1951-1952	Magazines & Powder Depots	Not Indicated	Not Indicated	United States Military Academy
WSPT02211- WSPT02216	1920-1945	Magazines, Powder Depots	Not Indicated	Not Indicated	United States Military Academy
WSPT02217- WSPT02245	1928-1935	Target Ranges	Not Indicated	Not Indicated	United States Military Academy
WSPT02246- WSPT02259	Not Indicated	Maps and Plans of West Point	Not Indicated	Not Indicated	United States Military Academy
WSPT02260- WSPT02393	1971	Archeological Excavations at Constitution Island	Charles D.W. Canham II	United States Military Academy	United States Military Academy
WSPT02394	August 5, 1845	Plan of a Laboratory at West Point	H. Wayne	Not Indicated	National Archives and Records Administration, College Park, MD
WSPT02395	October 9, 1844	Plans and Sections of the Magazine Artillery Barracks at West Point	Illegible	Not Indicated	National Archives and Records Administration, College Park, MD
WSPT02396	September 6, 1866	Sketch of proposed battery near North Dock, West Point, N.Y.	Illegible	Not Indicated	National Archives and Records Administration, College Park, MD

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WSPT02397	August 5, 1845	Duplicate of WSPT02394	Not Indicated	Not Indicated	National Archives and Records Administration, College Park, MD
WSPT02403	April 24, 1866	Plan & Section of Platform with Low Traverse Stones for 10 & 8 Inch Smooth Bored and 100, 200 & 300 Pdr. Rifled Guns	Not Indicated	Not Indicated	National Archives and Records Administration, College Park, MD
WSPT02404	May 20, 1854	Plans, Section & Elevations of a Concrete Casemate Embrasure	Not Indicated	Not Indicated	National Archives and Records Administration, College Park, MD
WSPT02405	August 29, 1857	Plans, Sections, Elevations & Details of Casemate Embrasure for the Practicing Battery at West Point	Not Indicated	Not Indicated	National Archives and Records Administration, College Park, MD
WSPT02406	August 18, 1906	Tracing of a Portion of U.S. Military Reservation, West Point, NY	Mason M. Patrick	Corps of Engineers	National Archives and Records Administration, College Park, MD
WSPT02407	December 1, 1852	Plan of the Engineer Buildings at West Point, NY and Grounds Adjacent Thereto	George W. Cullum	Corps of Engineers	National Archives and Records Administration, College Park, MD
WSPT02408- WSPT02412	June 21, 1827	Report of the Board of Visitors on the United States Military Academy at West Point	Not Indicated	Board of Visitors	National Archives and Records Administration, Washington D.C.

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WSPT02413- WSPT02415	June 1828	Report of the Board of Visitors on the United States Military Academy at West Point	WM. Carroll	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02416- WSPT02420	June 1829	Report of the Board of Visitors on the United States Military Academy at West Point	Pierre Van Cortlandt	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02421- WSPT02427	June 1830	Report of the Board of Visitors on the United States Military Academy at West Point	Not Indicated	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02428- WSPT02433	June 21, 1831	Report of the Board of Visitors on the United States Military Academy at West Point	Winfield Scott	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02434- WSPT02440	June 16, 1832	Report of the Board of Visitors on the United States Military Academy at West Point	P.V. Daniel	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02441- WSPT02444	June 1835	Report of the Board of Visitors on the United States Military Academy at West Point	Not Indicated	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02445- WSPT02452	June 18, 1836	Report of the Board of Visitors on the United States Military Academy at West Point	R.C. Foster	Board of Visitors	National Archives and Records Administration, Washington D.C.

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WSPT02453- WSPT02468	June 12, 1837	Report of the Board of Visitors on the United States Military Academy at West Point	Thomas Bennett	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02469- WSPT02482	June 21, 1838	Report of the Board of Visitors on the United States Military Academy at West Point	J.T. Ducatel	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02483- WSPT02488	June 20, 1839	Report of the Board of Visitors on the United States Military Academy at West Point	Wm. Hendricks	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02489- WSPT02496	June 22, 1840	Report of the Board of Visitors on the United States Military Academy at West Point	Benjamin T. Onderdonk	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02497- WSPT02502	June 21, 1841	Report of the Board of Visitors on the United States Military Academy at West Point	Charles Stewart	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02503- WSPT02510	June 20, 1842	Report of the Board of Visitors on the United States Military Academy at West Point	Robert B. M' Afee	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02511- WSPT02521	November 1, 1843	Report of the Board of Visitors on the United States Military Academy at West Point	Not Indicated	Board of Visitors	National Archives and Records Administration, Washington D.C.

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WSPT02522- WSPT02528	April 29, 1844	Report of the Board of Visitors on the United States Military Academy at West Point	Jos. C. Toten	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02529- WSPT02532	October 31, 1845	Report of the Board of Visitors on the United States Military Academy at West Point	Not Indicated	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02533- WSPT02546	June 18, 1847	Report of the Board of Visitors on the United States Military Academy at West Point	H.A. Haralson	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02547- WSPT02567	June 1848	Report of the Board of Visitors on the United States Military Academy at West Point	Ashbel Smith	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02568- WSPT02591	June 18, 1849	Report of the Board of Visitors on the United States Military Academy at West Point	John H.B. Latrobe	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02592- WSPT02598	June 18, 1850	Report of the Board of Visitors on the United States Military Academy at West Point	Jos. C. Totten	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02599- WSPT02611	October 10, 1851	Report of the Board of Visitors on the United States Military Academy at West Point	R.H. Gardiner	Board of Visitors	National Archives and Records Administration, Washington D.C.

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WSPT02612- WSPT02643	June 17, 1852	Report of the Board of Visitors on the United States Military Academy at West Point	M.C.M. Hammond	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02644- WSPT02655	October 8, 1853	Report of the Board of Visitors on the United States Military Academy at West Point	Henry E. Davies	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02656- WSPT02673	October 7, 1854	Report of the Board of Visitors on the United States Military Academy at West Point	Charles W. Whipple	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02674- WSPT02693	October 11, 1855	Report of the Board of Visitors on the United States Military Academy at West Point	Isaac Davis	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02694- WSPT02702	June 10, 1856	Report of the Board of Visitors on the United States Military Academy at West Point	H.F. Clarke	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02703- WSPT02706	June 16, 1857	Report of the Board of Visitors on the United States Military Academy at West Point	Wh H. Chase	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02707- WSPT02715	June 13, 1858	Report of the Board of Visitors on the United States Military Academy at West Point	Jon. W. Davis	Board of Visitors	National Archives and Records Administration, Washington D.C.

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WSPT02716- WSPT02725	1859	Report of the Board of Visitors on the United States Military Academy at West Point	John Johnston	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02726- WSPT02734	June 15, 1860	Report of the Board of Visitors on the United States Military Academy at West Point	G.T. Wood	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02735- WSPT02740	June 21, 1861	Report of the Board of Visitors on the United States Military Academy at West Point	Charles Davies	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02741- WSPT02745	June 16, 1862	Report of the Board of Visitors on the United States Military Academy at West Point	F. Wayland	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02746- WSPT02758	June 16, 1863	Report of the Board of Visitors on the United States Military Academy at West Point	Oliver S. Munsell	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02759- WSPT02764	June 26, 1865	Report of the Board of Visitors on the United States Military Academy at West Point	Robert C. Schenck	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02765- WSPT02769	October 25, 1866	Report of the Board of Visitors on the United States Military Academy at West Point	Lewis Perrine	Board of Visitors	National Archives and Records Administration, Washington D.C.

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WSPT02770- WSPT02774	October 20, 1868	Report of the Board of Visitors on the United States Military Academy at West Point	Not Indicated	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02775- WSPT02781	October 30, 1869	Report of the Board of Visitors on the United States Military Academy at West Point	Edmund Schriver	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02782- WSPT02784	October 20, 1870	Report of the Board of Visitors on the United States Military Academy at West Point	Ed Schriver	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02785- WSPT02790	November 14, 1871	Report of the Board of Visitors on the United States Military Academy at West Point	Not Indicated	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02791- WSPT02793	October 5, 1872	Report of the Board of Visitors on the United States Military Academy at West Point	Thomas H. Ruger	Board of Visitors	National Archives and Records Administration, Washington D.C.
WSPT02794- WSPT02798	November 8, 1877	Annual Report of the Superintendent of the United States Military Academy	J.M. Schofield	Superintendent of the United States Military Academy	National Archives and Records Administration, Washington D.C.
WSPT02799- WSPT02801	October 14, 1878	Annual Report of the Superintendent of the United States Military Academy	J.M. Schofield	Superintendent of the United States Military Academy	National Archives and Records Administration, Washington D.C.

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WSPT02802	October 18, 1879	Annual Report of the Superintendent of the United States Military Academy	Col. George W. Getty	Superintendent of the United States Military Academy	National Archives and Records Administration, Washington D.C.
WSPT02803- WSPT02807	October 5, 1880	Annual Report of the Superintendent of the United States Military Academy	J.M. Schofield	Superintendent of the United States Military Academy	National Archives and Records Administration, Washington D.C.
WSPT02808- WSPT02817	October 12, 1881	Annual Report of the Superintendent of the United States Military Academy	O.O. Howard	Superintendent of the United States Military Academy	National Archives and Records Administration, Washington D.C.
WSPT02818- WSPT02823	August 31, 1882	Annual Report of the Superintendent of the United States Military Academy	O.O. Howard	Superintendent of the United States Military Academy	National Archives and Records Administration, Washington D.C.
WSPT02824- WSPT02825	October 3, 1883	Annual Report of the Superintendent of the United States Military Academy	W. Merritt	Superintendent of the United States Military Academy	National Archives and Records Administration, Washington D.C.
WSPT02826- WSPT02827	October 13, 1884	Annual Report of the Superintendent of the United States Military Academy	W. Merritt	Superintendent of the United States Military Academy	National Archives and Records Administration, Washington D.C.
WSPT02828- WSPT02831	October 6, 1885	Annual Report of the Superintendent of the United States Military Academy	W. Merritt	Superintendent of the United States Military Academy	National Archives and Records Administration, Washington D.C.

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WSPT02832- WSPT02835	September 18, 1886	Annual Report of the Superintendent of the United States Military Academy	W. Merritt	Superintendent of the United States Military Academy	National Archives and Records Administration, Washington D.C.
WSPT02836	September 20, 1887	Annual Report of the Superintendent of the United States Military Academy	John G. Parke	Superintendent of the United States Military Academy	National Archives and Records Administration, Washington D.C.
WSPT02838- WSPT02839	September 25, 1888	Annual Report of the Superintendent of the United States Military Academy	John G. Parke	Superintendent of the United States Military Academy	National Archives and Records Administration, Washington D.C.
WSPT02840- WSPT02841	September 20, 1889	Annual Report of the Superintendent of the United States Military Academy	John M. Wilson	Superintendent of the United States Military Academy	National Archives and Records Administration, Washington D.C.
WSPT02842- WSPT02847	November 21, 1934	Aerial Experience for West Point Cadets, July, 1935	Not Indicated	War Department, Office of the Chief of the Air Corps	National Archives and Records Administration, College Park, MD
WSPT02848- WSPT02854	June 26, 1935	Report of Annual Inspection of the United States Military Academy	Lt. Col. L.J. Ahern	War Department, Inspector General's Office	National Archives and Records Administration, College Park, MD
WSPT02855- WSPT02857	May 25, 1935	Report on Ammunition Storage Pursuant to the Provisions of Section II, Circular No. 18, War Department, April 3, 1935	Wm. D. Connor	Headquarters, United States Military Academy, Office of the Superintendent	National Archives and Records Administration, College Park, MD

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WSPT02858- WSPT02859	November 27, 1934	Projects at West Point	Wm. D. Connor	Headquarters, United States Military Academy, Office of the Superintendent	National Archives and Records Administration, College Park, MD
WSPT02860- WSPT02862	February 18, 1935	Motor Vehicle Requirements	W.K. Wilson	Headquarters, United States Military Academy	National Archives and Records Administration, College Park, MD
WSPT02863- WSPT02864	November 16, 1932	Magazines for the Storage of Ammunition at West Point	A.G. Gillespie	Ordnance Department	United States Military Academy
WSPT02865	December 16, 1932	Attachment to memorandum dated December 16, 1932	L. LeR. Martin	Adjutant General's Office	United States Military Academy
WSPT02866	December 10, 1932	Memorandum for the Superintendent, USMA	C.D. Hartman	Quartermaster General	United States Military Academy
WSPT02867	October 11, 1933	Magazines for the Storage of Ammunition at West Point	T.J. Hayes	Ordnance Department	United States Military Academy
WSPT02868	August 23, 1937	Memorandum for the Range Officer	Francis R. Stevens	United States Military Academy	United States Military Academy
WSPT02869- WSPT02870	August 25, 1937	Ordnance Office, West Point, NY, August 25, 1937 – To: Superintendent USMA	T.J. Hayes	Ordnance Department	United States Military Academy
WSPT02871- WSPT02874	June 23, 1942	Location of Ammunition Magazine Area	Daniel J. Murphy	Ordnance Department	United States Military Academy
WSPT02875- WSPT02876	July 2, 1942	Report on the Location of Ammunition Magazine Area	R.G. Alexanger	M.T. & G.	United States Military Academy
WSPT02877	July 4, 1942	HQ., USMA, West Point, NY, July 4, 1942 – To: The District Engineer	Arthur G. Davis	Adjutant General	United States Military Academy
WSPT02878	July 1, 1942	Memorandum to Colonel Alexander, Chairman, Planning Board	Daniel J. Murphy	Ordnance Department	United States Military Academy

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WSPT02879- WSPT02880	June 26, 1942	Construction of Post Ordnance Magazines	Garrison H. Davidson	Corps of Engineers	United States Military Academy
WSPT02881	July 3, 1942	Magazines, Construction	Reybold	Corps of Engineers	United States Military Academy
WSPT02882	July 7, 1942	Magazines, USMA, West Point, NY – Deferment of Construction	Charles K. Panish	Corps of Engineers	United States Military Academy
WSPT02883- WSPT02884	August 22, 1942	Construction of Post Ordnance Magazines	Garrison H. Davidson	Corps of Engineers	United States Military Academy
WSPT02885	September 22, 1942	Magazine Construction	F.T. Matthias	Corps of Engineers	United States Military Academy
WSPT02886	September 25, 1942	Magazine Construction	F.T. Matthias	Corps of Engineers	United States Military Academy
WSPT02887- WSPT02889	November 6, 1909	Memorandum for the Adjutant: Artillery Instruction	Illegible	United States Military Academy	United States Military Academy
WSPT02890- WSPT02892	June 15, 1916	Memorandum to the Superintendent, USMA, returned	Illegible	United States Military Academy	United States Military Academy
WSPT02893- WSPT02894	June 7, 1916	3-inch Field Gun Battery to be turned in to Watervliet Arsenal	Illegible	United States Military Academy	United States Military Academy
WSPT02895- WSPT02896	June 1, 1912	Memorandum to the Commandant of Cadets	Robert C. Davis	Adjutant General	United States Military Academy
WSPT02897	June 4, 1912	Letter to the Adjutant General	Illegible	United States Military Academy	United States Military Academy
WSPT02898	June 5, 1912	Memorandum No. 27	Robert C. Davis	United States Military Academy	United States Military Academy
WSPT02899- WSPT02900	June 3, 1908	Letter to the Adjutant General	Illegible	United States Military Academy	United States Military Academy
WSPT02901	June 3, 1908	1 <sup>st</sup> Endorsement to the Headquarters of the U.S. Corps of Cadets	Illegible	United States Military Academy	United States Military Academy

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WSPT02902- WSPT02913	1889	Letter to Captain Henry Metcalfe, Ordnance Department, requesting information regarding the new siege battery	Illegible	Ordnance Department	United States Military Academy
WSPT02914- WSPT02938	February 17, 1909	Documents identified from index list (1904-1909)	Not Indicated	Not Indicated	United States Military Academy
WSPT02939- WSPT02941	July 2, 1954	Report of a Meeting of the Range Safety Board	Roy J. Herte	United States Military Academy	United States Military Academy
WSPT02942	February 25, 1954	Memorandum for: Personnel Using Post Indoor Range	R.P. Eaton	Adjutant General	United States Military Academy
WSPT02943	February 26, 1954	Request for Publication of Notice in Post Daily Bulletin	Thomas F. Bohannon	Adjutant General	United States Military Academy
WSPT02944- WSPT02946	September 9, 1957	Official memorandum, Bulletin 175	C.M. Mount, Jr.	Not Indicated	United States Military Academy
WSPT02947- WSPT02948	September 11, 1957	Official memorandum, Bulletin 177	C.M. Mount, Jr.	Not Indicated	United States Military Academy
WSPT02949- WSPT02951	March 4, 1955	Rifle Marksmanship	Vincent Gannon, Jr.	Adjutant General	United States Military Academy
WSPT02952- WSPT02954	September 11, 1956	Official memorandum, Bulletin 177	C.M. Mount, Jr.	Not Indicated	United States Military Academy
WSPT02955- WSPT02956	September 4, 1956	Official memorandum, Bulletin 172	C.M. Mount, Jr.	Not Indicated	United States Military Academy
WSPT02957- WSPT02959	April 1, 1955	Review of Requirements for Prohibited/Restricted/Warning/Caution/Controlled Firing Areas; (Reports Control Symbol CSGPO-OT-102)	Leonard F. Olliver	Adjutant General	United States Military Academy
WSPT02960- WSPT02963	July 12, 1950	Survey of U.S. Military Academy, West Point, NY, June 26, 1950	F.N. McNamara	Not Indicated	United States Military Academy
WSPT02964- WSPT02965	August 7, 1950	Report of Explosives Safety Survey by Explosives Safety Board	Oren E. Hurlbut	Explosive Safety Board	United States Military Academy

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WSPT02966- WSPT02967	July 7, 1948	Quantity-Distance Classes and Tables	R.S. Nourse	Adjutant General	United States Military Academy
WSPT02968	July 30, 1948	Ord. Dept., Raritan Arsenal, Metuchen, New Jersey	R.M. Rader	Ordnance Department	United States Military Academy
WSPT02969	July 7, 1948	Quantity-distance Classes and Tables	M.F. Grant	Adjutant General	United States Military Academy
WSPT02970	October 14, 1948	Ord. Dept., Raritan Arsenal, Metuchen, New Jersey	R.M. Rader	Ordnance Department	United States Military Academy
WSPT02971	August 2, 1948	Storage of Small Arms Ammunition	Harry L. Fox	Post Engineer	United States Military Academy
WSPT02972	August 4, 1948	Office of the Ordnance Office, USMA to Post Engineer	Oren E. Hurlbut	Ordnance Department	United States Military Academy
WSPT02973	August 9, 1948	Storage of Ammunition	M.F. Grant	Adjutant General	United States Military Academy
WSPT02974- WSPT02976	September 9, 1952	Minimum Ammunition Requirements for Cadet Skeet Team, 1952-53 Season	James W. Dunham	United States Military Academy	United States Military Academy
WSPT02977	December 8, 1994	Memorandum: Superintendent, USMA, ATTN: G-3, USMA	G.W. McIntyre	United States Military Academy	United States Military Academy
WSPT02978	December 10, 1952	Memorandum to: Commandant of Cadets, USMA	R.P. Eaton	Adjutant General	United States Military Academy
WSPT02979- WSPT02980	January 20, 1953	Skeet Shooting Program at USMA	R.P. Eaton	Adjutant General	United States Military Academy
WSPT02981- WSPT02982	January 15, 1953	Skeet Shooting Program at USMA	G.W. McIntyre	United States Military Academy	United States Military Academy
WSPT02983	January 7, 1953	Allowances for Shotgun Ammunition	Perry Smith	Not Indicated	United States Military Academy
WSPT02984- WSPT02987	December 9, 1958	Allowances of Cartridge, ball, cal. 22	Raymond R. Battreall, Jr.	United States Military Academy	United States Military Academy

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WSPT02988- WSPT02990	July 17, 1951	Unsuitability of Shell, Shotgun, 12 Ga., Paper, Loaded with Smokeless Powder, #8, Chilled Shot, and Tracer, Stock No. T003-90-10017, Code Symbol T3AUA, as Skeet Ammunition	Edmund B. Edwards	United States Air Force	United States Military Academy
WSPT02991- WSPT02993	December 12, 1938	Memorandum	O.J. Gatchell	Ordnance Department	United States Military Academy
WSPT02994- WSPT02996	Not Indicated	Origin of Cannon at Seacoast Battery	Not Indicated	Not Indicated	United States Military Academy
WSPT02997	March 8, 1939	Disposition of 8" Breech Loading Rifle, M1888	O.J. Gatchell	Ordnance Department	United States Military Academy
WSPT02998	May 18, 1939	Memorandum	John S. Upham, Jr.	Adjutant General	United States Military Academy
WSPT02999- WSPT03000	June 5, 1939	Letter to the Director of the National Park Service	Jay L. Benedict	Brigadier General	United States Military Academy
WSPT03001	Not Indicated	Memorandum – Seacoast Battery	O.J. Gatchell	Ordnance Department	United States Military Academy
WSPT03002- WSPT03003	November 11, 1936	Replacement of obsolete 155 mm Howitzer, Model 1918, Schneider with 155 mm Howitzer M 1918 A1	G. Bryan Conrad	United States Military Academy	United States Military Academy
WSPT03004	March 3, 1937	Modification of 155 mm Howitzer Carriage M1918	T.J. Hayes	Ordnance Department	United States Military Academy
WSPT03005	March 4, 1937	Conversion of 155 mm Howitzer, Model 1918 to M1918 A1	G. Bryan Conrad	United States Military Academy	United States Military Academy
WSPT03006- WSPT03007	December 17, 1936	155 mm Gun T3 and 155 mm Gun – 8" Howitzer Carriage T2	C.E. Partridge	Ordnance Department	United States Military Academy
WSPT03008	December 28, 1936	Memorandum – Office Chief of Field Artillery to the Adjutant General	L.J. McNair	United States Military Academy	United States Military Academy
WSPT03009- WSPT03010	October 16, 1937	Modern Equipment, USMA Detachment of Field Artillery	F.B. Prickett	United States Military Academy	United States Military Academy

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WSPT03011- WSPT03012	February 21, 1938	Memorandum – Office Chief of Field Artillery to the Superintendent, USMA	R.E.D. Hoyle	United States Military Academy	United States Military Academy
WSPT03013- WSPT03014	October 22, 1956	Construction of Turning Target System	Alfred B. Hale	Adjutant General	United States Military Academy
WSPT03015- WSPT03016	November 9, 1956	Memorandum to Post Ordnance	Peter S. Tanous	Not Indicated	United States Military Academy
WSPT03017	October 22, 1956	Recommended Signal Repairs on Firing Ranges	Alfred B. Hale	Adjutant General	United States Military Academy
WSPT03018- WSPT03019	October 29, 1956	Comments on Signal Repairs on Firing Ranges	Joseph W. Benson	Signal Corps	United States Military Academy
WSPT03020	July 11, 1956	Bombing and Target Ranges	Not Indicated	Not Indicated	United States Military Academy
WSPT03021	July 25, 1956	Pistol Range	John L. Throckmorton	United States Military Academy	United States Military Academy
WSPT03022- WSPT03023	July 23, 1956	Sodding or Seeding of Firing Points on Range 8	John L. Throckmorton	United States Military Academy	United States Military Academy
WSPT03024- WSPT03027	June 27, 1957	Request for illegible	Mark M. Kriebel	Adjutant General	United States Military Academy
WSPT03028- WSPT03029	July 3, 1957	Request for Waiver	O.R. Bennett	Not Indicated	United States Military Academy
WSPT03030- WSPT03031	January 17, 1950	Obsolete Guns and Carriages in Battery Schofield	Oren E. Hurlbut	Ordnance Department	United States Military Academy
WSPT03032	January 26, 1950	Memorandum For: Asst. Chief of Staff, G-4	Allen E. Keyes	United States Military Academy	United States Military Academy
WSPT03033	August 9, 1945	Extract of Item 28693 Minutes of the Ordnance Committee	Not Indicated	Not Indicated	United States Military Academy
WSPT03034	January 26, 1950	Battery Schofield	Numa A. Watson	Not Indicated	United States Military Academy

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WSPT03035	January 26, 1950	Obsolete Guns and Carriages in Battery Schofield	Numa A. Watson	Not Indicated	United States Military Academy
WSPT03036- WSPT03037	July 2, 1958	Central POL Storage and Dispensing Station	J.J. S. Hardin	Not Indicated	United States Military Academy
WSPT03038- WSPT03040	May 29, 1958	Request for Extension of Waiver	Mark M. Kriebel	Adjutant General	United States Military Academy
WSPT03041	June 3, 1958	Request for Extension of Waiver	John A. Barlay	Adjutant General	United States Military Academy
WSPT03042- WSPT03044	March 13, 1957	Indoor Pistol Range in the North Dock Area	Julian J. Ewell	United States Military Academy	United States Military Academy
WSPT03045- WSPT03047	January 7, 1952	Report of Visit to the U.S. Military Academy	Hugh K. Warren	United States Military Academy	United States Military Academy
WSPT03048	January 9, 1952	Memorandum for the Superintendent	R.P. Eaton	Adjutant General	United States Military Academy
WSPT03049	January 4, 1952	Location of New Igloo Type Magazine	George L. Van Way	Not Indicated	United States Military Academy
WSPT03050	December 4, 1951	Construction of Igloo-type Magazine	R.P. Eaton	Adjutant General	United States Military Academy
WSPT03051	December 18, 1951	Construction of Igloo-type Magazine	Hugh K. Warren	Not Indicated	United States Military Academy
WSPT03052- WSPT03055	March 12, 1951	Justification of Igloo-type Magazine	Herbert C. Hansen	Ordnance Department	United States Military Academy
WSPT03056- WSPT03057	September 19, 1952	Range No. 8 and No. 9	R.P. Eaton	Adjutant General	United States Military Academy
WSPT03058	September 16, 1952	Invoice 3649 regarding laboratory services for samples received on May 13, 1996 for Camp McQuaide	Not Indicated	Not Indicated	United States Military Academy
WSPT03059	September 2, 1952	Skeet Ranges	Perry Smith	United States Military Academy	United States Military Academy

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WSPT03060	September 17, 1952	Skeet Ranges	Theodore N. Hunsbedt	United States Military Academy	United States Military Academy
WSPT03061	September 1, 1951	Target and Bombing Ranges	R.P. Eaton	Adjutant General	United States Military Academy
WSPT03062	September 27, 1951	Indoor Range, Bldg 649	George L. Van Way	United States Military Academy	United States Military Academy
WSPT03063- WSPT03064	January 4, 1951	Operation of Indoor Range	John J. Morrow	United States Air Force	United States Military Academy
WSPT03065	December 14, 1950	Operation of the Indoor Range – Bldg. 649	R.S. Nourse	Adjutant General	United States Military Academy
WSPT03066	December 14, 1950	Operation of the Indoor Range – Bldg. 640	R.S. Nourse	Adjutant General	United States Military Academy
WSPT03067	November 16, 1950	Indoor Pistol Range – Bldg. 649	Oren E. Hurlbut	Not Indicated	United States Military Academy
WSPT03068	November 27, 1950	Memorandum from Post Engineer	D.A. Phelan	Post Engineer	United States Military Academy
WSPT03069	November 16, 1950	Operation of Indoor Range – Bldg. 649	R.S. Nourse	Adjutant General	United States Military Academy
WSPT03070	November 21, 1950	Operation of Indoor Range – Bldg. 649	W.S. Triplet	Not Indicated	United States Military Academy
WSPT03071	December 1, 1950	Disposition Form	O.C. Krueger	United States Military Academy	United States Military Academy
WSPT03072- WSPT03073	December 14, 1950	Operation of Indoor Range – Bldg. 649	Oren E. Hurlbut	Not Indicated	United States Military Academy
WSPT03074	November 14, 1950	Indoor Pistol Range Bldg. 649	Oren E. Hurlbut	Not Indicated	United States Military Academy
WSPT03075- WSPT03076	November 14, 1950	Responsibility for Bldg. 649	Oren E. Hurlbut	Not Indicated	United States Military Academy

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WSPT03077	November 9, 1950	Extract of Investigations Log	E.M. Howell	Provost Marshal	United States Military Academy
WSPT03078- WSPT03079	November 28, 1934	Care of Arms	Wm. D. Connor	United States Military Academy	United States Military Academy
WSPT03080- WSPT03083	September 25, 1934	Care of Arms	S.B. Buckner	United States Military Academy	United States Military Academy
WSPT03084	August 26, 1938	Rifle, U.S., Cal .30, M1	Chas. W. Ryder	United States Military Academy	United States Military Academy
WSPT03085	September 22, 1938	Issue of Semiautomatic Rifles for the Instruction of West Point Cadets	Not Indicated	War Department	United States Military Academy
WSPT03086- WSPT03089	May 19, 1939	Distribution of U.S. Rifle, Caliber .30, M1	Not Indicated	Adjutant General	United States Military Academy
WSPT03090	December 5, 1939	Issue of 140 Caliber .30 Rifles, M1 to the USMA	Not Indicated	Adjutant General	United States Military Academy
WSPT03091	December 12, 1939	Memorandum for the Post Ordnance Officer	Arthur C. Purvis	Adjutant General	United States Military Academy
WSPT03092	December 12, 1939	Memorandum for the Commandant of Cadets	Arthur C. Purvis	Adjutant General	United States Military Academy
WSPT03093	December 18, 1939	Memorandum to the Commandant of Cadets regarding issuance of rifles	Arthur C. Purvis	Adjutant General	United States Military Academy
WSPT03094	December 5, 1939	Issue of 140 Caliber .30 Rifles, M1 to the USMA	A.P. Sullivan	Adjutant General	United States Military Academy
WSPT03095	December 8, 1939	Letter from the Army and Navy Club Washington	Robley	Not Indicated	United States Military Academy
WSPT03096- WSPT03097	December 11, 1939	Shipping Order and Routing Slip	H.B. Sayler	Not Indicated	United States Military Academy
WSPT03098	September 24, 1940	Permission to keep .22 caliber rifles in cadet rooms	Frank E. Locke	United States Military Academy	United States Military Academy

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WSPT03099- WSPT03100	July 26, 1944	Request for Shotguns	Ralph E. Briggs	Ordnance Department	United States Military Academy
WSPT03101	August 2, 1944	Memorandum from the USMA Headquarters	F.A. Heileman	United States Military Academy	United States Military Academy
WSPT03102- WSPT03103	August 8, 1944	Memorandum from the USMA	F.A. Heileman	United States Military Academy	United States Military Academy
WSPT03104	August 11, 1944	Request for Shipment of Shotguns	John S. Honey	Ordnance Department	United States Military Academy
WSPT03105	August 18, 1944	Memorandum from the Raritan Arsenal, ASF, Metuchen, New Jersey	J.H. Bahl	Ordnance Department	United States Military Academy
WSPT03106- WSPT03110	August 27, 1951	Memorandum for the Superintendent, USMA	Roy J. Herte	United States Military Academy	United States Military Academy
WSPT03111	August 28, 1951	Clearance of Dud Danger Area	Herbert C. Hansen	Ordnance Department	United States Military Academy
WSPT03112- WSPT03113	September 1, 1951	Clearance of Dud Danger Area	R.P. Eaton	Adjutant General	United States Military Academy
WSPT03114- WSPT03115	September 1, 1951	Disposal of Unexploded Ordnance Material	Kenneth J. White	Adjutant General	United States Military Academy
WSPT03116	January 14, 1954	Clearance of Dud Danger Areas, USMA Reservation	Charles D. Whitehead	Adjutant General	United States Military Academy
WSPT03117	January 14, 1954	Clearance of Dud Danger Areas, USMA Reservation	R.P. Eaton	Adjutant General	United States Military Academy
WSPT03118	January 14, 1954	Clearance of Dud Danger Areas, USMA Reservation	Thomas F. Bohannon	Adjutant General	United States Military Academy
WSPT03119	March 24, 1954	Report of a Meeting of the Range Safety Board	Roy J. Herte	United States Military Academy	United States Military Academy
WSPT03120- WSPT03122	March 24, 1954	Report of a Meeting of the Range Safety Board	R.P. Eaton	United States Military Academy	United States Military Academy

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WSPT03123	March 26, 1954	Report of Range Safety Board	Roy J. Herte	United States Military Academy	United States Military Academy
WSPT03124- WSPT03126	October 26, 1954	Promotion of Rifle Marksmanship within the USCC	W.A. Huntsberry	Not Indicated	United States Military Academy
WSPT03127	October 20, 1954	Promotion of Rifle Marksmanship within the USCC	Edwin J. Messinger	United States Military Academy	United States Military Academy
WSPT03128	November 18, 1954	Rifle Range Project in Building No. 645	Donald C. Beck	Ordnance Department	United States Military Academy
WSPT03129- WSPT03159	1916	Buildings & Grounds – Battery Byrne	Not Indicated	Not Indicated	United States Military Academy
WSPT03160- WSPT03162	Not Indicated	Buildings and Grounds – Batteries	Not Indicated	Not Indicated	United States Military Academy
WSPT03163- WSPT03177	Not Indicated	Batteries, Miscellaneous	Not Indicated	Not Indicated	United States Military Academy
WSPT03178- WSPT03181	July 11, 1957	Test Tracer Firing on Range #8	Robert B. Rheault	United States Military Academy	United States Military Academy
WSPT03182	June 17, 1957	Use of Cal .30 Tracer on Range 8	Guy A. Orsino	Ordnance Department	United States Military Academy
WSPT03183	August 3, 1956	Request for waiver for the firing from the 500-yard line of Range 8	A.W. Stoddard	Ordnance Department	United States Military Academy
WSPT03184	October 1, 1956	Indorsement granting a permanent waiver to allow firing from the 500-yard line on the Known Distance Range	Stephen O. Fuqua	United States Military Academy	United States Military Academy
WSPT03185- WSPT03186	Not Indicated	Request for Waiver – Draft version	B.M. Bryan	United States Military Academy	United States Military Academy
WSPT03187- WSPT03189	November 25, 1955	Range Regulations	Roy J. Herte	Not Indicated	United States Military Academy
WSPT03190	November 30, 1955	Range Regulations	E.N. Wellems	Not Indicated	United States Military Academy

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WSPT03191- WSPT03198	June 15, 1955	Change List, Range Regulations, USMA	Not Indicated	Not Indicated	United States Military Academy
WSPT03199- WSPT03200	April 22, 1955	Request for authority to fire 105mm howitzer from the 4.2 inch mortar position	M.F. Bavaro	United States Military Academy	United States Military Academy
WSPT03201	May 19, 1955	Indorsement recommending approval and publication of change to the Range Regulations	Thomas J. Gent Jr.	United States Air Force	United States Military Academy
WSPT03202	May 18, 1955	Memorandum regarding the firing of the 47mm recoilless rifle by cadets	Roy J. Herte	Not Indicated	United States Military Academy
WSPT03203	April 11, 1955	Modification of Range Regulations	Julian J. Ewell	United States Military Academy	United States Military Academy
WSPT03204	June 9, 1955	Memorandum to: President, Range Safety Board	Thomas J. Gent, Jr.	United States Air Force	United States Military Academy
WSPT03205- WSPT03206	May 6, 1955	Regulations for Range No. 4	Roy J. Herte	Not Indicated	United States Military Academy
WSPT03207	January 31, 1955	Regulations for Range #7 (Indoor Rifle Range, Bldg. #645)	Not Indicated	Not Indicated	United States Military Academy
WSPT03208	April 7, 1955	Modification of Range Regulations	Julian J. Ewell	United States Military Academy	United States Military Academy
WSPT03209- WSPT03214	July 14, 1953	Change List, Range Regulations, USMA	Not Indicated	Not Indicated	United States Military Academy
WSPT03215	July 15, 1953	Range Regulations	Roy J. Herte	Not Indicated	United States Military Academy
WSPT03216- WSPT03217	May 26, 1953	Range Regulations	J.H. Daly	United States Military Academy	United States Military Academy
WSPT03218- WSPT03285	April 8, 1953	Range Regulations, USMA	Not Indicated	Not Indicated	United States Military Academy
WSPT03286- WSPT03289	August 5, 1952	Additional Firing Points on Range #3	Orrin A. Tracy	United States Military Academy	United States Military Academy

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WSPT03290	August 8, 1952	Additional Firing Points on Range 3	Thomas F. Bohannon	Adjutant General	United States Military Academy
WSPT03291	July 3, 1951	Firing of Rocket, 3.5", Heat	Roy J. Herte	Not Indicated	United States Military Academy
WSPT03292	July 6, 1951	Firing of Rocket, 3.5", Heat to CO, 1802d Sp. Regt, Att S3	Roy J. Herte	Not Indicated	United States Military Academy
WSPT03293-WSPT03308	March 13, 1951	Regulations for Ranges Tactical Training and Firing Center	John J. Morrow	United States Air Force	United States Military Academy
WSPT03309-WSPT03310	April 3, 1951	Regulations for Range No. 6 (Change 2) Tactical Training and Firing Center	John J. Morrow	United States Air Force	United States Military Academy
WSPT03311-WSPT03312	June 6, 1951	Regulations for Outdoor Smallbore Range Tactical Training and Firing Center	John J. Morrow	United States Air Force	United States Military Academy
WSPT03313-WSPT03314	June 18, 1951	Regulations for Range No. 5 Tactical Training and Firing Center	John J. Morrow	United States Air Force	United States Military Academy
WSPT03315-WSPT03316	June 18, 1951	Regulations for Range No. 14 Tactical Training and Firing Center	John J. Morrow	United States Air Force	United States Military Academy
WSPT03317-WSPT03318	June 18, 1951	Regulations for Range No. 15 Tactical Training and Firing Center	John J. Morrow	United States Air Force	United States Military Academy
WSPT03319	August 8, 1951	Regulations for Range No. 4 (Change 1) Tactical Training and Firing Center	John J. Morrow	United States Air Force	United States Military Academy
WSPT03320-WSPT03321	August 30, 1951	Regulations for Range No. 9	John J. Morrow	United States Air Force	United States Military Academy
WSPT03322	August 30, 1951	Regulations for Range No. 10 (Change 1) Tactical Training and Firing Center	John J. Morrow	United States Air Force	United States Military Academy
WSPT03323	February 14, 1952	Regulations for Range No. 5 (Change 1) Tactical Training and Firing Center	John J. Morrow	United States Air Force	United States Military Academy
WSPT03324	February 14, 1952	Regulations for Range No. 16 (Change 1) Tactical Training and Firing Center	John J. Morrow	United States Air Force	United States Military Academy

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WSPT03325- WSPT03326	February 15, 1952	Regulations for Range No. 6 (Change 3) Tactical Training and Firing Center	John J. Morrow	United States Air Force	United States Military Academy
WSPT03327	February 15, 1952	Regulations for Post Outdoor Pistol Range	John J. Morrow	United States Air Force	United States Military Academy
WSPT03328	June 26, 1952	Regulations for Range No. 14 (Change 1) Tactical Training and Firing Center	John J. Morrow	United States Air Force	United States Military Academy
WSPT03329	July 27, 1951	Firing Regulations, Index Sheet, Synopsis	Not Indicated	Adjutant General	United States Military Academy
WSPT03330- WSPT03331	June 13, 1952	Revision of Range Regulation	Roy J. Herte	Not Indicated	United States Military Academy
WSPT03332- WSPT03333	June 18, 1951	Regulations for Range No. 14 Tactical Training and Firing Center	John J. Morrow	United States Air Force	United States Military Academy
WSPT03334	June 26, 1952	Regulations for Range No. 14 (Change 1) Tactical Training and Firing Center	John J. Morrow	United States Air Force	United States Military Academy
WSPT03335- WSPT03336	May 2, 1952	Changes to Range Regulations	Roy J. Herte	Not Indicated	United States Military Academy
WSPT03337	May 8, 1952	Changes to Range Regulations	R.P. Eaton	Adjutant General	United States Military Academy
WSPT03338- WSPT03339	October 16, 1951	Revision of Range Regulations	E.C. Spaulding	United States Military Academy	United States Military Academy
WSPT03340	February 12, 1952	Revision of Range Regulations	R.P. Eaton	Adjutant General	United States Military Academy
WSPT03341- WSPT03344	August 31, 1949	Duties of Agencies Responsible for Care, Operation, Safety and Use of Ranges	John J. Morrow	United States Air Force	United States Military Academy
WSPT03345- WSPT03346	April 12, 1946	Regulations for Ranges Tactical Training and Firing Center	L.S. Smith	Adjutant General	United States Military Academy
WSPT03347- WSPT03349	March 27, 1948	Memorandum No. 12 of the Range Regulations Tactical Training and Firing Center	Morris J. Lee	United States Air Force	United States Military Academy

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WSPT03350- WSPT03351	July 22, 1947	Regulations for Range No. 1 (Revised July 7, 1947) Tactical Training and Firing Center	L.S. Smith	Adjutant General	United States Military Academy
WSPT03352- WSPT03353	April 12, 1946	Regulations for Range No. 2 (Revised April 5, 1946) Tactical Training and Firing Center	L.S. Smith	Adjutant General	United States Military Academy
WSPT03354- WSPT03356	April 12, 1946	Regulations for Range No. 3 (Revised April 5, 1946) Tactical Training and Firing Center	L.S. Smith	Adjutant General	United States Military Academy
WSPT03357- WSPT03358	April 12, 1946	Regulations for Range No. 4 (Revised April 5, 1946) Tactical Training and Firing Center	L.S. Smith	Adjutant General	United States Military Academy
WSPT03359- WSPT03366	March 8, 1948	Regulations for Range No. 6 (Revised February 19, 1948) Tactical Training and Firing Center	Morris J. Lee	United States Air Force	United States Military Academy
WSPT03367- WSPT03368	April 12, 1946	Regulations for Range No. 8 (Revised April 5, 1946) Tactical Training and Firing Center	L.S. Smith	Adjutant General	United States Military Academy
WSPT03369	April 12, 1946	Regulations for Range No. 10 (Revised April 5, 1946) Tactical Training and Firing Center	L.S. Smith	Adjutant General	United States Military Academy
WSPT03370- WSPT03371	April 26, 1948	Regulations for Range No. 16 (Revised April 13, 1948) Tactical Training and Firing Center	Morris J. Lee	United States Air Force	United States Military Academy
WSPT03372- WSPT03373	July 22, 1947	Regulations for Range No. 17 (Revised July 7, 1947) Tactical Training and Firing Center	L.S. Smith	Adjutant General	United States Military Academy
WSPT03374- WSPT03375	July 22, 1947	Regulations for Range No. 18 (Revised July 7, 1947) Tactical Training and Firing Center	L.S. Smith	Adjutant General	United States Military Academy

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WSPT03376- WSPT03377	July 22, 1947	Regulations for Range No. 19 (Revised July 7, 1947) Tactical Training and Firing Center	L.S. Smith	Adjutant General	United States Military Academy
WSPT03378- WSPT03379	July 22, 1947	Regulations for Range No. 20 (Revised July 7, 1947) Tactical Training and Firing Center	L.S. Smith	Adjutant General	United States Military Academy
WSPT03380	July 22, 1947	Regulations for Rifle Grenade and Rocket Range (temporary) on the Proctor Estate	Not Indicated	Not Indicated	United States Military Academy
WSPT03381- WSPT03383	April 12, 1946	Regulations for Subcaliber Range (temporary) on the Proctor Estate	L.S. Smith	Adjutant General	United States Military Academy
WSPT03384- WSPT03385	November 25, 1943	Memorandum to the Post Chemical Officer, USMA, West Point, NY	Paul L. Bernhardt	Chemical Warfare Service	United States Military Academy
WSPT03386	December 10, 1943	Memorandum to Chief, Chemical Warfare Service, Washington D.C.	Duane Y. Sarles	Chemical Warfare Service	United States Military Academy
WSPT03387- WSPT03388	August 8, 1944	Memorandum to the Director of Military Training, Army Service Forces, Washington, D.C.	G. Holkien	Brigadier General	United States Military Academy
WSPT03389- WSPT03391	June 11, 1956	Official Daily Bulletin Number 113	Not Indicated	Not Indicated	United States Military Academy
WSPT03392	May 28, 1956	Disposition Form to the Chairman of the Range Safety Board	E.N. Wellems	Not Indicated	United States Military Academy
WSPT03393	June 11, 1956	Memorandum regarding the Known Distance Range and Weyant's Pond	Roy J. Herte	Not Indicated	United States Military Academy
WSPT03394	June 21, 1956	Includes two memorandums regarding the Known Distance Range	E.N. Wellems	Not Indicated	United States Military Academy
WSPT03395- WSPT03396	June 18, 1956	Series of memorandums to the Chief of Staff regarding the Known Distance Range	E.N. Wellems	Not Indicated	United States Military Academy
WSPT03397- WSPT03398	May 28, 1956	Series of correspondence to the Post Engineer regarding the Known Distance Range	Richard Delaney	Not Indicated	United States Military Academy

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WSPT03399- WSPT03400	June 5, 1956	Proposed Rifle Range at Weyant's Pond	Not Indicated	Not Indicated	United States Military Academy
WSPT03401- WSPT03402	Not Indicated	Document discussing Trainfire, a method for teaching rifle marksmanship	Not Indicated	Not Indicated	United States Military Academy
WSPT03403	May 1, 1956	Utilization of Range 8	John L. Thockmorton	Not Indicated	United States Military Academy
WSPT03404	May 10, 1956	Utilization of Range 8	Roy J. Herte	Not Indicated	United States Military Academy
WSPT03405- WSPT03410	May 7, 1956	Range Regulations	Roy J. Herte	Not Indicated	United States Military Academy
WSPT03411- WSPT03444	May 15, 1956	Range and Area Regulations	James M. Illig	United States Military Academy	United States Military Academy
WSPT03445- WSPT03447	July 7, 1927	Memorandum regarding a proposed highway through West Point Reservation	C.B. Hodges	United States Military Academy	United States Military Academy
WSPT03448- WSPT03450	July 22, 1927	Highway Through and Traffic Regulations at West Point	C.B. Hodges	United States Military Academy	United States Military Academy
WSPT03451- WSPT03452	May 16, 1928	Memorandum for the Commandant of Cadets and Range Officer	J.W. Coffey	Ordnance Department	United States Military Academy
WSPT03453- WSPT03454	June 22, 1928	Memorandum to the President of the Board of Officers regarding the Rifle and Gallery Ranges	F.A. Macon	United States Military Academy	United States Military Academy
WSPT03455	June 22, 1928	Two memorandums regarding cost estimates for the Rifle and Gallery Ranges	Jas. H. Laubach	United States Military Academy	United States Military Academy
WSPT03456	October 24, 1928	Memorandum for the Commandant of Cadets	S. Whipple	Adjutant General	United States Military Academy
WSPT03457- WSPT03458	November 12, 1928	Memorandum to the Superintendent, U.S.M.A., regarding the recommendations for a pistol range	C.B. Hodges	United States Military Academy	United States Military Academy

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WSPT03459	November 5, 1928	Recommendations Relative to Constructional Phases of Proposed Construction on New Machine Gun and Piston Ranges	Gordon E. Textor	Corps of Engineers	United States Military Academy
WSPT03460	November 14, 1928	Memorandum for Lieutenant G.E. Textor, C.E.	S. Whipple	Adjutant General	United States Military Academy
WSPT03461	November 21, 1928	Memorandum for Lieut. G.E. Textor, C.E.	S. Whipple	Adjutant General	United States Military Academy
WSPT03462	July 24, 1928	Memorandum to the Superintendent of the U.S.M.A. regarding the proposed construction of new gallery facilities	C.B. Hodges	United States Military Academy	United States Military Academy
WSPT03463- WSPT03467	June 25, 1928	Report of a Board of Officers which Convened at West Point, New York	H.F. Spurgin	United States Military Academy	United States Military Academy
WSPT03468	October 14, 1929	Repair of Ranges	Robert C. Richardson	United States Military Academy	United States Military Academy
WSPT03469	October 30, 1929	Memorandum for the Superintendent	W.W. Whitside	Quartermaster General	United States Military Academy
WSPT03470	October 17, 1929	Memorandum for the Adjutant	A.G. Gillespie	United States Military Academy	United States Military Academy
WSPT03471	November 6, 1929	Memorandum to the Superintendent	Robert C. Richardson, Jr.	United States Military Academy	United States Military Academy
WSPT03472	August 20, 1931	Memorandum for the Superintendent	Sanderford Jarman	United States Military Academy	United States Military Academy
WSPT03473- WSPT03474	August 31, 1931	Memorandum, Special Orders, No. 200	R.L. Eichelberger	Adjutant General	United States Military Academy
WSPT03475	September 18, 1931	Memorandum for Major John S. Wood, F.A.	Sanderford Jarman	United States Military Academy	United States Military Academy
WSPT03476	November 23, 1931	Memorandum for Major J.S. Wood	Sanderford Jarman	United States Military Academy	United States Military Academy

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WSPT03477- WSPT03478	November 17, 1931	Proceedings of a Board of Officers Appointed to Meet at West Point	Not Indicated	United States Military Academy	United States Military Academy
WSPT03479- WSPT03480	November 20, 1931	Estimates on the Proposed Field Artillery Ranges	Gordon E. Textor	Corps of Engineers	United States Military Academy
WSPT03481	November 18, 1931	Memorandum for Major Jarman	W.S. Broberg	Ordnance Department	United States Military Academy
WSPT03482	February 2, 1934	Memorandum for the Commandant of Cadets	Dennis E. McCinniff	United States Military Academy	United States Military Academy
WSPT03483	June 5, 1933	Memorandum, General Orders, No. 17	R.L. Eichelberger	Adjutant General	United States Military Academy
WSPT03484	January 31, 1934	Memorandum for the Superintendent	R.L. Eichelberger	Adjutant General	United States Military Academy
WSPT03485- WSPT03515	December 6, 2000	Site Specific Final Report, Time Critical Removal Action and OE Construction Report, Crow's Nest Area/Palisades Park/FUDS/Cold Springs near USMA, West Point, New York, Volume I	Not Indicated	Environmental Hazards Specialists International, Inc.	United States Military Academy
WSTP03516- WSTP03520	December 15, 2001	U.S. Army Engineering and Support Center, Analysis of Geophysical Mapping Data Collected by EHSI, USMA, West Point, NY, Supplement to Final Report	Not Indicated	U.S Army Engineering and Support Center	United States Military Academy
WSTP03521- WSPT03523	March 16, 2001	Site Specific Draft Final Report, Geophysical Mapping, USMA, West Point, NY, Volume I	Not Indicated	Environmental Hazards Specialists International, Inc.	United States Military Academy
WSTP03524- WSPT03554	March 16, 2001	Site Specific Draft Final Report, Geophysical Mapping, USMA, West Point, NY, Volume II	Not Indicated	Environmental Hazards Specialists International, Inc.	United States Military Academy
WSPT03555- WSPT03570	July 2002	Draft final, Engineering Evaluation/Cost Analysis, Storm King Site, Orange County, New York	Not Indicated	Parsons	United States Military Academy

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WSTP03571- WSPT03612	June 2001	Conclusions and Recommendations, Ordnance and Explosives Archives Search Report for West Point/Cold Spring Foundry, Putnam and Orange Counties, New York	Not Indicated	U.S. Army Corps of Engineers, Rock Island District	United States Military Academy
WSPT03613- WSPT03633	June 2001	Findings, Ordnance and Explosives Archives Search Report for West Point/Cold Spring Foundry, Putnam and Orange Counties, New York	Not Indicated	U.S. Army Corps of Engineers, Rock Island District	United States Military Academy
WSPT03634- WSPT03636	1873	Map of Reconstruction 1873 of Battery Knox	Not Indicated	Not Indicated	United States Military Academy
WSPT03637- WSPT03638	October 13, 1906	West Point Record Card and Remarks	Not Indicated	Department of Engineers	United States Military Academy
WSPT03639- WSPT03640	September 13, 1906	West Point Record Card and Remarks	Not Indicated	Department of Engineers	United States Military Academy
WSPT03641- WSPT03642	December 17, 1923	5 <sup>th</sup> Indorsement from the Superintendent regarding Fort Clinton and Kosciuszki's Monument	Not Indicated	U.S Military Academy	United States Military Academy
WSPT03643- WSPT03644	Not Indicated	The West Point Guide Book	Not Indicated	Not Indicated	United States Military Academy
WSTP03645- WSTP03648	1872	Letter from the Secretary of the Treasury, Transmitting Estimates of Appropriations Required for the Service of the Fiscal year Ending June 30, 1874	Not Indicated	U.S. Treasury Department	United States Military Academy
WSPT03649	November 7, 1873	Letter from Thomas H. Ruger, Superintendent, to Mr. H.T. Crosby of the War Department stating receipt of the Acting Assistant Treasurer's check for remodeling of Battery Knox	Thomas H. Ruger	U.S. Military Academy	United States Military Academy

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WSPT03650	October 7, 1864	Letter from Brigadier General and Superintendent George W. Cullum to Brigadier General R. Delafield discussing upgrading of artillery in the batteries	George W. Cullum	U.S. Military Academy	United States Military Academy
WSTP03651- WSTP03655	December 1984	Installation Assessment of the U.S. Military Academy, and Subinstallations Stewart Army Subpost and Galeville Training Site, N.Y.	B.N. McMaster	Environmental Science and Engineering, Inc.	United States Military Academy
WSPT03656- WSTP03657	Not Indicated	Unexploded Ordnance Investigation at West Point School	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT03658- WSPT03660	March 10, 2004	Memorandum regarding Grape Shot found near Professor's row (Grey Ghost)	Jeff Sanborn	U.S. Military Academy	United States Military Academy
WSPT03661	December 2, 2002	E-mail from Chawyer B. Jones to Jeff Sanborn stating discovery of two UXO's in Training Area D4 grids WL 8301 7801 and WL 8254 7825	Chawyer B. Jones	U.S. Military Academy	United States Military Academy
WSPT03662- WSPT03664	January 27, 1997	Facsimile from Frank F. Mordecai, Jr. to Frank Bloomer regarding a former firing range located in the Grey Ghost housing complex- including drawing of area	Frank F. Mordecai, Jr.	U.S. Army Corps of Engineers, Norfolk District	United States Military Academy
WSPT03665- WSPT03666	April 25, 1950	Site Plan Map of Proposed Family Type Housing (Two Six Units)	Not Indicated	U.S. Army Corps of Engineers	United States Military Academy
WSPT03667	March 4, 1997	Memorandum from Eugene Rood regarding the small arms firing range located near Grey Ghost housing	Eugene E. Rood	United States Military Academy	United States Military Academy
WSPT03668	April 11, 1996	Memo of ASP UXO Sweep at Stony Lonesome (Findings at Building 1245)	Alan B. Bjornsen	U.S. Military Academy	United States Military Academy
WSPT03669	December 21, 1998	Memorandum from James A. Smolley regarding the annual DUD Report	James A. Smolley	Department of the Army	United States Military Academy

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WSPT03670	May 8, 1998	Memorandum from Everett A. Johnson to the U.S Military Academy regarding surface sweep of training Area in the Cranberry Mountains	Everett A. Johnson	Department of the Army	United States Military Academy
WSPT03671- WSPT03677	May 4, 1994	Memorandum and additional information from Dr. Stephen B. Grove to Chief of Staff on West Point Firing toward Target Hill and Crows Nest	Dr. Stephen B. Grove	U.S. Military Academy	United States Military Academy
WSPT03678	March 4, 1997	Duplicate of Memorandum from Eugene Rood regarding the small arms firing range located near Grey Ghost housing	Eugene E. Rood	United States Military Academy	United States Military Academy
WSPT03679- WSPT03680	January 27, 1997	Duplicate of facsimile from Frank F. Mordecai, Jr. to Frank Bloomer regarding a former firing range located in the Grey Ghost housing complex- including drawing of area	Frank F. Mordecai, Jr.	U.S. Army Corps of Engineers, Norfolk District	United States Military Academy
WSPT03681- WSPT03682	April 25, 1997	Memorandum from Ken Haffner regarding lead test results for Grey Ghost Housing Project	Ken Haffner	U.S. Army Corps of Engineers- Norfolk Division	United States Military Academy
WSPT03683- WSPT03684	December 6, 1938	Memo from Commandant of Cadets to the Superintendent regarding facilities needed for summer training of the U.S. Corps of cadets	Chas W. Ryder	U.S. Corps of Cadets	United States Military Academy
WSPT03685- WSPT03688	Not Indicated	Memorandum to the Commandant of Cadets from the U.S. Military Academy regarding a survey of facilities and equipment required for cadet training.	Frederick A. Irving, Willis S. Matthews, and Ernest F. Easterbrook	U.S. Military Academy	United States Military Academy

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WSPT03689- WSPT03703	January 30, 1939	Memorandum and remarks for the Superintendent from the Quartermaster's office regarding enlarged facilities at the existing Machine Gun and Rifle Ranges. Includes 1 <sup>st</sup> through 5 <sup>th</sup> Indorsements	F.F. Scowden	Office of the Quartermaster	United States Military Academy
WSPT03704- WSPT03822	2000	Working notes for the United States Military Academy, Crows Nest Impact Area	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT03823- WSPT03824	April 21, 2000	E-mail from G. Knapp to T. Buning regarding UXO clearing operation status near Lee Gate	G. Knapp	DHPW	United States Military Academy
WSPT03825	Not Indicated	Map detailing Department of Transportation UXO Removal for Rte. 218 retaining wall repairing the Town of Highlands	Not Indicated	State of new York Department of Transportation	United States Military Academy
WSPT03826 -WSPT03829	April 13, 2000	Notes from Bear Mountain State Park Crow's Nest Stakeholder Meeting	Not Indicated	U.S. Military Academy	United States Military Academy
WSTP03830	September 17, 2000	New York Times article detailing UXO findings at Storm King State Park	Lisa W. Foderaro	New York Times	United States Military Academy
WSPT03831- WSPT03837	May 11, 2000	Final Report Highway 218 UXO Survey, Highlands, New York	Not Indicated	Explosive Ordnance Technologies, Inc.	United States Military Academy
WSPT03838- WSPT03854	January 12, 2001	PowerPoint Presentation of Strom King Mountain/Cold Spring Foundry Ordnance	Not Indicated	U.S. Army Corps of Engineers	United States Military Academy
WSPT03855- WSPT03856	February 22, 2001	E-mails regarding UXO removal in Storm King	S. Grove and David Brouwer	U.S. Army Corps of Engineers	United States Military Academy
WSPT03857- WSPT03859	Not Indicated	PowerPoint presentation for Storm King Mountain State Park Ordnance and Explosive Project	Dave Brouwer	U.S. Army Corps of Engineers	United States Military Academy

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<b>Document Numbers</b>	<b>Date</b>	<b>Title</b>	<b>Author</b>	<b>Author Organization</b>	<b>Source</b>
WSPT03860	July 26, 2002	E-mail regarding detailing notes from public meeting held at Bear Mountain Inn	Jeff Sanborn	U.S. Military Academy	United States Military Academy
WSPT03861-WSPT03863	July 12, 2002	Executive Summary of UXO/EO at Strom King	Not Indicated	Not Indicated	United States Military Academy
WSPT03864	Not Indicated	Folder cover showing label of "Batteries, Miscellaneous"	Not Indicated	U.S. Military Academy Library	United States Military Academy Library
WSPT03865-WSPT03868	September 1, 1949	Memorandum on Boards and Committees at the U.S. Military Academy	R.S. Nourse	U.S. Military Academy	United States Military Academy Library
WSPT03869	May 18, 1995	Article detailing a search conducted for nineteenth century mortars buried under The Plain	SPC Michael D. Wells	Pointer View	United States Military Academy Library
WSPT03870-WSPT03871	1929-1932	Notes on Points of Interest at West Point	Not Indicated	Bugle Notes	United States Military Academy Library
WSPT03872-WSPT03873	Not Indicated	Summaries of Siege Battery and Battery Schofield	Not Indicated	Not Indicated	United States Military Academy Library
WSPT03874-WSPT03880	1890	Annual report of the Superintendent of the United States Military Academy, 1890	Not Indicated	U.S. Military Academy	United States Military Academy Library
WSPT03881	February 21, 1938	Memorandum for ammunition requirements for West Point, Fort Monroe, and Fort Benning	S.V. Hasbrouck	U.S. Military Academy	United States Military Academy
WSPT03882-WSPT03884	June 27, 1930	Annual Report for the Department of Tactics	Superintendent	U.S. Military Academy	United States Military Academy

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WSPT03885- WSTP03887	September 25, 1929	Memorandum for instructors and assistant instructors from the Assistant Instructor of Coastal Artillery	H.C. Barnes, Jr.	U.S. Military Academy	United States Military Academy
WSTP03888	October 8, 1904	Renewal of the Advisory Board's recommendation for the plan for the Gymnasium	Advisory Board of the U.S. Military Academy	U.S. Military Academy	United States Military Academy
WSPT03889- WSPT03891	January 17, 1938	Field Artillery Gunnery, Second Class, U.S.C.C, January 5 to February 21, 1939, Field Artillery Field Manual, Volume II, West Point	F.B. Prickett	U.S. Military Academy	United States Military Academy
WSPT03892- WSPT03894	December 5, 1955	Maps of Surface Danger Area prescribed by paragraph 10d AR 385-63- Maps delineating firing limits and safety limits	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT03895- WSPT03898	1895	Abstract of correspondence regarding target practice at Target Hill, a new siege battery, and use of artillery 1895	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT03899- WSPT03903	1889	Information relating to the Lands Comprising the Military Reservation at West Point from 1723-1889	Miner Knowlton	U.S. Army	United States Military Academy
WSPT03904- WSPT03907	February 1, 1938	Schedule of Instruction- First Class Drill Schedule	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT03908- WSPT03912	March 1, 1938	Schedule of Instruction- First Class Drill Schedule	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT03913	June 5, 1927	Memorandum on service firing	H.F. Spurgin	U.S. Military Academy	United States Military Academy
WSPT03914	March 29, 1938	Schedule for Preparatory Rifle Marksmanship- Fourth Class	Ira P. Swift	U.S. Military Academy	United States Military Academy
WSPT03915- WSPT03919	April 1, 1938	Schedule of Instruction- First Class Drill Schedule	Ira P. Swift	U.S. Military Academy	United States Military Academy

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WSPT03920	April 15, 1938	Coast Artillery Instruction, Second Class, 1938, April 20 <sup>th</sup> to May 17 <sup>th</sup> , Inclusive.	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT03921- WSPT03930	June 23, 1932	Memorandum outlining drills to be conducted from the Headquarters, United States Corps of Cadets, West Point, Summer 1932.	John S. Wood	U.S. Military Academy	United States Military Academy
WSPT03931	June 13, 1938	Memorandum on the Third Class Coast Artillery Instruction- Summer 1938	John S. Wood	U.S. Military Academy	United States Military Academy
WSPT03932	September 27, 1938	Schedule of Instruction for Cadets for October 1938	R.R. Coursey	U.S. Military Academy	United States Military Academy
WSPT03937- WSPT03938	September 29, 1938	Memorandum for Instruction for Fourth Classmen in Infantry Weapons	R.R. Coursey	U.S. Military Academy	United States Military Academy
WSPT03939- WSPT03940	October 4, 1938	Memorandum for the Schedule for Third Class Coast Artillery, October 6 to November 8 Inclusive 1938	R.R. Coursey	U.S. Military Academy	United States Military Academy
WSPT03941- WSPT03945	October 28, 1938	Memorandum for the Schedule of Instruction- November 1938	R.R. Coursey	U.S. Military Academy	United States Military Academy
WSPT03946- WSPT03950	November 29, 1938	Memorandum of Schedule for Instruction- December 1938	R.R. Coursey	U.S. Military Academy	United States Military Academy
WSPT03951- WSPT03955	December 20, 1938	Memorandum for the Schedule of Instruction- January 1939	R.R. Coursey	U.S. Military Academy	United States Military Academy
WSPT03956- WSPT03957	December 20, 1938	Memorandum for the Infantry Weapons Instruction- Fourth Class, January 5 <sup>th</sup> - February 10 <sup>th</sup> , 1939, Inclusive.	R.R. Coursey	U.S. Military Academy	United States Military Academy
WSPT03958	June 1, 1938	Orders for the Provisions Concerning Training and Certain Duties During the Period of the 1938 Summer	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT03959	1938	Training Schedule for the Summer of 1938 and a commendation letter for Company "F"	Not Indicated	U.S. Military Academy	United States Military Academy

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WSPT03967- WSPT03986	September 1931	Department of Tactics Coast Artillery Instruction- Part A and B	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT03987- WSPT03989	1929	Training Program, Summer 1929, Infantry Weapons	W.A. Dumas	U.S. Military Academy	United States Military Academy
WSPT03990	1864	Abstracts of correspondence regarding West Point	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT03991- WSPT03993	Not Indicated	Department of Tactics, Coast Artillery Instruction, Third Class, Seacoast Artillery	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT03994- WSPT03996	June 13, 1938	Training Memorandum for Safety Precautions for the Pistol Range, the Machine Gun Range, and Instructions for Small Bore Rifle Firing	Ira P. Swift and R.R. Coursey	U.S. Military Academy	United States Military Academy
WSPT03997	July 19, 1938	Memorandum on the Care and Responsibility for the Colors	R.R. Coursey	U.S. Military Academy	United States Military Academy
WSPT03998	July 24, 1928	Letter to Superintendent from C.B. Hodges regarding the funding and building of new ranges	C.B. Hodges	U.S. Military Academy	Malcolm Pirnie
WSPT03999- WSPT04006	June 15, 1928	Memorandum and report for selecting locations, estimates of materials, and costs to place pistol, rifle, machine gun, and gallery ranges. (Includes maps)	Not Indicated	U.S. Military Academy	Malcolm Pirnie
WSPT04007- WSPT04014	Not Indicated	Ordnance and Explosives Archives Search Report for West Point/Cold Spring Foundry- Conclusions and Recommendations	Not Indicated	Not Indicated	Malcolm Pirnie
WSPT04015- WSPT04023	June 9, 1938	Summer Instruction for 1938	R.R. Coursey	U.S. Military Academy	Malcolm Pirnie
WSPT04024- WSPT04025	Not Indicated	Regulations for Range No. 12 (Post Outdoor Pistol Range)	Not Indicated	U.S. Military Academy	Malcolm Pirnie

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<b>Document Numbers</b>	<b>Date</b>	<b>Title</b>	<b>Author</b>	<b>Author Organization</b>	<b>Source</b>
WSPT04026- WSPT04027	Not Indicated	Maps of West Point and Vicinity	Not Indicated	Not Indicated	Malcolm Pirnie
WSPT04028	Not Indicated	Map of Proposed Military Reservation, West Point, NY	Not Indicated	U.S. Military Academy	Malcolm Pirnie
WSPT04029	1956	Map of West Point Military reservation	Not Indicated	Not Indicated	Malcolm Pirnie
WSPT04030	April 2002	Map of Projected Firing Fans for 75mm Munition, Storm King, NY	Not Indicated	Parsons	Malcolm Pirnie
WSPT04031- WSPT04033	September 23, 1908	Request for, verification of, and map of new small arms range near West Point	Not Indicated	U.S. Military Academy	Malcolm Pirnie
WSPT04034- WSPT04041	April 3, 2001	Removal Report, Anomaly Investigation/UXO Removal at the West Point Elementary School Gymnasium Construction Site on the United States Military Academy, West Point, New York	Not Indicated	CHEMRAD and Explosive Ordnance Technologies, Inc.	Malcolm Pirnie
WSPT04042- WSPT04044	Not Indicated	Draft Final Report of Digital Geophysical Mapping- Unexploded Ordnance at the West Point Elementary School Gymnasium Construction Site, West Point, NY	Not Indicated	CHEMRAD	Malcolm Pirnie
WSPT04045- WSPT04046	Not Indicated	Maps of DUD danger area	Not Indicated	Not Indicated	Malcolm Pirnie
WSPT04047- WSPT04058	1928	Correspondence, dimensions, and map for proposed new machine gun and pistol range	Not Indicated	U.S. Military Academy	Malcolm Pirnie
WSPT04059- WSPT04074	October 24, 1967	Scope of Work for the Expansion of Ranges	Not Indicated	U.S. Military Academy	Malcolm Pirnie
WSPT04075- WSPT04080	January 27, 2003	Synopsis of Coastal Defense Batteries at U.S. Military Academy, West Point, N.Y.	Douglas R. Cubbison	U.S. Military Academy	Malcolm Pirnie

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WSPT04081- WSPT04082	May 4, 1994	Memorandum Thru DOPS for the Chief of Staff Regarding West Point Firing Toward Target Hill Field and Crows nest	Dr. Stephen B. Grove	U.S. Military Academy	Malcolm Pirnie
WSPT04083	1918	West Point-The Gibraltar of the Hudson”, The Batteries	Not Indicated	West Point Hotel	Malcolm Pirnie
WSPT04084- WSPT04086	January 18, 2001	E-mail correspondence between Jeff Sanborn and Stephen Grove regarding research for weapons training at USMA	Jeff Sanborn and Dr. Stephen B. Grove	U.S. Military Academy	Malcolm Pirnie
WSPT04087	1903	Topographical Map of West Point Military Reservation	J.E. Kuhn and Mason M. Patrick	U.S. Military Academy	Malcolm Pirnie
WSPT04088	1912	Outline Map of West Point, N.Y. showing Main Buildings, Officers’ Quarters, and Fire Alarm Boxes and Fire Districts	Not Indicated	U.S. Military Academy	Malcolm Pirnie
WSPT04089	1916	Map of West Point	Not Indicated	U.S. Military Academy	Malcolm Pirnie
WSPT04090	1929	Proposed Military Reservation, West Point, N.Y.	Not Indicated	U.S. Military Academy	Malcolm Pirnie
WSPT04091	1935	Map of West Point	Not Indicated	U.S. Military Academy	Malcolm Pirnie
WSPT04092	December 1937	Map of West Point New York, Building and Constructional Development of 1938	Not Indicated	U.S. Military Academy	Malcolm Pirnie
WSPT04093	March 1939	Guide Map to West Point, New York	Not Indicated	U.S. Military Academy	Malcolm Pirnie
WSPT04094	1956	Map of West Point, New York, Building and Constructional Development of 1956	Not Indicated	U.S. Military Academy	Malcolm Pirnie
WSPT04095	1977	Map of West Point Range and Training Areas	Not Indicated	U.S. Military Academy	Malcolm Pirnie

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WSPT04096	June 15, 1852	Letter regarding a 300-yard range for a gun on the plateau at the foot of the Crow's Nest	Not Indicated	U.S. Military Academy	National Archives and Records Administration, Washington D.C.
WSPT04097- WSPT04098	2002	West Point-Two Centuries of Honor and Tradition, The Bicentennial Book of the United States Military Academy (first two pages)	Robert Cowley and Thomas Guinzburg	Warner Books	United States Military Academy
WSPT04099	Not Indicated	The River and The Rock (first page)	Dave Richard Palmer	United States Army, Department of Military Art and Engineering	United States Military Academy
WSPT04100	1902	The Centennial of the United States Military Academy at West Point, New York, Volume I, Addresses and Histories (first page)	Not Indicated	The West Point Military Library	United States Military Academy
WSPT04101	1940	The Illustrated History of West Point (first page)	Theodore J. Crackel	Harry N. Abrams, Inc., Publishers	United States Military Academy
WSPT04102- WSPT04126	June 2004	United States Military Academy—Description—Views (Related Publications and websites)	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT04127- WSPT04230	April 10, 1991	“Who was Who” 1802-1990, A Researcher's Guide to the Occupants of Key Positions at the United States Military Academy and the Lineage of the Academic Departments, Second Edition	LTC John K. Robertson	U.S. Military Academy	United States Military Academy
WSPT04231	January 2004	Historic Structures Report, The Redoubts of West Point (first page)	Douglas R. Cubbison	U.S. Military Academy	United States Military Academy

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WSPT04232- WSPT04233	1895	Annual Report of the Board of Visitors to the United States Military Academy, Made to the Speaker of the House of Representatives, for the Year 1895	Not Indicated	U.S. Military Academy	United States Military Academy website
WSPT04234- WSPT04238	1899	Annual Report of the Board of Visitors to the United States Military Academy for the Year 1899	Not Indicated	U.S. Military Academy	United States Military Academy website
WSPT04239- WSPT04242	1904	Annual Report of the Board of Visitors to the United States Military Academy for the Year 1904	Not Indicated	U.S. Military Academy	United States Military Academy website
WSPT04243- WSPT04247	June 14, 1907	Annual Report of the Board of Visitors to the United States Military Academy for the Year 1907	Not Indicated	U.S. Military Academy	United States Military Academy website
WSPT04248- WSPT04250	March 2, 1909	Annual Report of the Board of Visitors to West Point Submitting the Report of the Board	Not Indicated	U.S. Military Academy	United States Military Academy website
WSPT04251- WSPT04278	1908	Annual Report of the Superintendent of the United State Military Academy, 1908	Not Indicated	U.S. Military Academy	United States Military Academy website
WSPT04279- WSPT04309	1909	Annual Report of the Superintendent of the United State Military Academy, 1909	Not Indicated	U.S. Military Academy	United States Military Academy website
WSPT04310- WSPT04335	1910	Annual Report of the Superintendent of the United State Military Academy, 1910	Not Indicated	U.S. Military Academy	United States Military Academy website
WSPT04336- WSPT04340	1911	Annual Report of the Superintendent, United State Military Academy, 1911	Not Indicated	U.S. Military Academy	United States Military Academy website

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WSPT04341- WSPT04354	1912	Annual Report of the Superintendent, United State Military Academy, 1912	Thomas H. Barry	U.S. Military Academy	United States Military Academy website
WSPT04355- WSPT04377	1913	Annual Report of the Superintendent, United State Military Academy, 1913	Not Indicated	U.S. Military Academy	United States Military Academy website
WSPT04378- WSPT04410	1914	Annual Report of the Superintendent, United State Military Academy, 1914	Not Indicated	U.S. Military Academy	United States Military Academy website
WSPT04411- WSPT04428	1915	Annual Report of the Superintendent, United State Military Academy, 1915	Not Indicated	U.S. Military Academy	United States Military Academy website
WSPT04429- WSPT04431	June 30, 1942	Annual Report	Not Indicated	U.S. Military Academy	United States Military Academy website
WSPT04432- WSPT04434	1943	Annual Report of the Superintendent, United State Military Academy, 1943	Not Indicated	U.S. Military Academy	United States Military Academy website
WSPT04435- WSPT04438	1944	Annual Report of the Superintendent, United State Military Academy, 1944	Not Indicated	U.S. Military Academy	United States Military Academy website
WSPT04439- WSPT04440	1945	Annual Report of the Superintendent, United State Military Academy, 1945	Not Indicated	U.S. Military Academy	United States Military Academy website
WSPT04441- WSPT04443	1946	Annual Report of the Superintendent, United State Military Academy, 1946	Not Indicated	U.S. Military Academy	United States Military Academy website
WSPT04444- WSPT04447	1947	Annual Report of the Superintendent, United State Military Academy, 1947	Not Indicated	U.S. Military Academy	United States Military Academy website

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WSPT04448- WSPT04455	1950	Annual Report of the Superintendent, United State Military Academy, 1950	Not Indicated	U.S. Military Academy	United States Military Academy website
WSPT04456- WSPT04461	1951	Annual Report of the Superintendent, United State Military Academy, 1951	Not Indicated	U.S. Military Academy	United States Military Academy website
WSPT04462- WSPT04467	1952	Annual Report of the Superintendent, United State Military Academy, 1952	Not Indicated	U.S. Military Academy	United States Military Academy website
WSPT04468- WSPT04472	1959	Annual Report of the Superintendent, United State Military Academy, 1959	Not Indicated	U.S. Military Academy	United States Military Academy website
WSPT04473	February 4, 1932	Society Favors West Point Expansion	Not Indicated	Highland Falls News	United States Military Academy
WSPT04474- WSPT04475	1933	Various newspaper articles on the expansion of West Point	Not Indicated	Highland Falls News, Newburgh News, and Not Indicated	United States Military Academy
WSPT04476	1931	Articles regarding West Point Expansion	Nelson Harding and Maj. Gen. William R. Smith	U.S. Military Academy	United States Military Academy
WSPT04477	September 19, 1931	“In West Point’s Expansion” article in support of West Point expansion	Not Indicated	Newburgh News	United States Military Academy
WSPT04478- WSPT04511	1970	The United States Military Academy, 1833-1866: Years of Progress and Turmoil	James Lunsford Morrison, Jr.	Columbia University	United States Military Academy
WSPT04512- WSPT04513	August 5, 1899	News article on the new target range at West Point	Not Indicated	The News of the Highlands	United States Military Academy

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WSPT04515- WSPT04516	December 24, 1882	Report of the Ordnance at the Different Posts re Park of Artillery on West Point	J. Reed	U.S. Military Academy	United States Military Academy
WSPT04517- WSPT04520	Not Indicated	Fort Putnam: West Point's Revolutionary War Fortification	Not Indicated	West Point Museum	United States Military Academy
WSPT04521	January 11, 1915	Letter to Stuyvesant Fish, Esq. regarding the location of "Soldier's Fortune"	Not Indicated	Not Indicated	United States Military Academy
WSPT04522	October 22, 1920	Letter to Stuyvesant Fish, Esq regarding forts around Fort Putnam	William S. Thorsias	Not Indicated	United States Military Academy
WSPT04523- WSPT04878	Not Indicated	Highland Fortress: The Fortification of West Point During the American Revolution, 1775-1783	Charles E. Miller, Jr.	Not Indicated	United States Military Academy
WSPT04879	2002	West Point: A Bicentennial History (Book comprised of 370 pages)	Theodore J. Crackel	University Press of Kansas	Bookstore
WSPT04880- WSPT04927	July 2, 1991	A Guide to 17 <sup>th</sup> & 18 <sup>th</sup> Century Manuscripts in the United States Military Academy Library	Judith A. Sibley	U.S. Military Academy	United States Military Academy
WSPT04928- WSPT04939	Not Indicated	A Guide to 19 <sup>th</sup> Century Manuscripts in the United States Military Academy	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT04940		Unused document number			
WSPT04941- WSPT04948	2001	West Point Foundry: Annotated Bibliography of Primary Sources	Elizabeth Norris	Michigan Technological University	Putnam County Historical Society
WSPT04949- WSPT04950	October 6-7, 2004	Contact records with Laurie Moss and Elizabeth Norris regarding information Ms. Norris has regarding the foundry	Dennis Coryell	TechLaw, Inc.	TechLaw, Inc.

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WSPT04951	2002	An Historical & Industrial Archaeology Strategy for the West Point Foundry Site, Cold Spring, New York- a thesis (first page)	Elizabeth Norris	Michigan Technological University	Putnam County Historical Society
WSPT04952- WSPT04954	Not Indicated	West Point Foundry Collection, 1811-1979, Series Outline	Not Indicated	Not Indicated	Putnam County Historical Society
WSPT04955	Not Indicated	West Point Foundry Research Material, Series 02-1E Civil War, New York State (cover page)	Not Indicated	Putnam County Historical Society	Putnam County Historical Society
WSPT04956- WSPT04958	Not Indicated	Civil War Naval Ordnance (title page, and pages 4-5)	Not Indicated	Naval History Division	Putnam County Historical Society
WSPT04959	Not Indicated	West Point Foundry Research Material, Series 02-1D Civil War, New York State (cover page)	Not Indicated	Putnam County Historical Society	Putnam County Historical Society
WSPT04960- WSPT04965	October 1991	Fortifications in America: The Importance of West Point	Marguerita Z. Herman	Friends of the West Point Library Newsletter	Putnam County Historical Society
WSPT04966	1962	Thomas Davenport and His Descendants	Not Indicated	Not Indicated	Putnam County Historical Society
WSPT04967- WSPT04980	Not Indicated	The Foundry at Cold Spring	Not Indicated	Not Indicated	Putnam County Historical Society
WSPT04981- WSPT05044	November 16, 1989	A Preliminary Guide to Twentieth Century Manuscripts in the U.S. Military Academy Library	Judith A. Sibley	U.S. Military Academy	United States Military Academy
WSPT05045- WSPT05053	1907	Annual Reports of the War Department 1822-1907 (Finding aid)	Not Indicated	National Archives and Records Administration, Washington D.C.	National Archives and Records Administration, Washington D.C.

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WSPT05054- WSPT05056	1867	Engineer Department Records Relating to the United State Military Academy, 1812-1867 (Finding aid)	Not Indicated	National Archives and Records Administration, Washington D.C.	National Archives and Records Administration, Washington D.C.
WSPT05057- WSPT05061	1902	Abstracts of Letters Sent by the Superintendent of the U.S. Military Academy, 1838-1841 and 1845-1902 (Finding aid)	Not Indicated	National Archives and Records Administration, Washington D.C.	National Archives and Records Administration, Washington D.C.
WSPT05062- WSPT05066	1866	Abstracts of Letters Received by the Office of Chief Engineers Relating to the U.S. Military Academy, 1819-1866 (Finding aid)	Not Indicated	National Archives and Records Administration, Washington D.C.	National Archives and Records Administration, Washington D.C.
WSPT05067- WSPT05074	1917	Records Relating to the United States Military Academy, 1804-1917 (Finding aid)	Not Indicated	National Archives and Records Administration, Washington D.C.	National Archives and Records Administration, Washington D.C.
WSPT05075- WSPT05099	Not Indicated	Abstracts and descriptions of maps of the West Point Academy (Finding aid)	Not Indicated	National Archives and Records Administration, College Park, MD	National Archives and Records Administration, College Park, MD
WSPT05100- WSPT05173	Not Indicated	Preliminary Inventory of the Records of the United States Military Academy (Finding aid)	Not Indicated	National Archives and Records Administration, Washington D.C.	National Archives and Records Administration, Washington D.C.
WSPT05174	August 2004	Map of CTT Ranges, UXO-DMM-MC Sites, U.S.M.A at West Point, NY	Not Indicated	Malcolm Pirnie	Malcolm Pirnie
WSPT05175- WSTP05259	March 1998	West Point Fortifications Staff Ride Note Cards	Not Indicated	U.S. Military Academy	United States Military Academy website

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<b>Document Numbers</b>	<b>Date</b>	<b>Title</b>	<b>Author</b>	<b>Author Organization</b>	<b>Source</b>
WSPT05260	1883	Map of West Point, New York	Not Indicated	Not Indicated	Not Indicated
WSPT05261- WSPT05381	August 2004	Final Closed/Transferred/Transferring Range Inventory Report, U.S. Military Academy, West Point, New York	Not Indicated	Malcolm Pirnie	Malcolm Pirnie
WSPT05383- WSPT05398	Not Indicated	Scope of Work for the Expansion of the Ranges	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05399	August 2003	Map of CTT Ranges, UXO-DMM-MC Sites, U.S.M.A at West Point, NY	Not Indicated	Malcolm Pirnie	Malcolm Pirnie
WSPT05400- WSPT05401	Not Indicated	Summary of reference documents	Dennis Coryell	TechLaw, Inc.	TechLaw, Inc.
WSPT05402- WSPT05405	June 29, 2001	Letter and figures to Mr. Belew regarding the Summary of pre-EE/CA Reconnaissance Field Effort at Storm King	Don Silkebakken	Parsons, Inc	Parsons, Inc
WSPT05406- WSPT05432	August 2003	US Army CTT Range and Site Inventory, US Military Academy, New York (pages C-1 through I-4)	Not Indicated	Malcolm Pirnie	Malcolm Pirnie
WSPT05433- WSPT05445	July 2002	Draft Final, Engineering Evaluation/Cost Analysis, Storm King Site, Orange County, New York	Don Silkebakken	Parsons, Inc	Parsons, Inc
WSPT05446- WSPT05447	May 4, 1994	Memorandum and additional information from Dr. Stephen B. Grove to Chief of Staff on West Point Firing toward Target Hill and Crows Nest (Duplicate)	Dr. Stephen B. Grove	U.S. Military Academy	United States Military Academy
WSPT05448	1918	West Point-The Gibraltar of the Hudson”, The Batteries (Duplicate)	Not Indicated	West Point Hotel	Malcolm Pirnie
WSPT05449	November 9, 1999	E-mails between Mr. Grove and Mr. Sanborn regarding usefulness of an Archive Search Report on Crows Nest	S. Grove and Jeff Sanborn	U.S. Military Academy	United States Military Academy

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<b>Document Numbers</b>	<b>Date</b>	<b>Title</b>	<b>Author</b>	<b>Author Organization</b>	<b>Source</b>
WSPT05450	February 29, 2000	E-mails between Mr. Grove and Mr. Sanborn regarding Cold Spring Foundry	S. Grove and Jeff Sanborn	U.S. Military Academy	United States Military Academy
WSPT05451	January 18, 2001	E-mails between Mr. Grove and Mr. Sanborn regarding weaponry at Crow's Nest	S. Grove and Jeff Sanborn	U.S. Military Academy	United States Military Academy
WSPT05452- WSPT05453	May 4, 1994	Memorandum and additional information from Dr. Stephen B. Grove to Chief of Staff on West Point Firing toward Target Hill and Crow's Nest (Triplicate)	Dr. Stephen B. Grove	U.S. Military Academy	United States Military Academy
WSPT05454	1918	West Point-The Gibraltar of the Hudson", The Batteries (Triplicate)	Not Indicated	West Point Hotel	Malcolm Pirnie
WSPT05449	November 9, 1999	E-mails between Mr. Grove and Mr. Sanborn regarding usefulness of an Archive Search Report on Crow's Nest (Duplicate)	S. Grove and Jeff Sanborn	U.S. Military Academy	United States Military Academy
WSPT05450	February 29, 2000	E-mails between Mr. Grove and Mr. Sanborn regarding Cold Spring Foundry (Duplicate)	S. Grove and Jeff Sanborn	U.S. Military Academy	United States Military Academy
WSPT05451	January 18, 2001	E-mails between Mr. Grove and Mr. Sanborn regarding weaponry at Crow's Nest (Duplicate)	S. Grove and Jeff Sanborn	U.S. Military Academy	United States Military Academy
WSPT05458- WSPT05467	September 23, 1908	Request for, verification of, and map of new small arms range near West Point (Duplicate)	Not Indicated	U.S. Military Academy	Malcolm Pirnie
WSPT05468- WSPT05470	Not Indicated	Draft Final report of Digital Geophysical Mapping- Unexploded Ordnance at the West Point Elementary School Gymnasium Construction Site, West Point, NY (Duplicate)	Not Indicated	CHEMRAD	Malcolm Pirnie

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WSPT05471- WSPT05483	April 3, 2001	Removal Report, Anomaly Investigation/UXO Removal at the West Point Elementary School Gymnasium Construction Site on the United States Military Academy, West Point, New York (Duplicate)	Not Indicated	CHEMRAD and Explosive Ordnance Technologies, Inc.	Malcolm Pirnie
WSPT05484- WSPT05500	December 6, 2000	Site Specific Final Report, Time Critical Removal Action and OE Construction Report, Crow's Nest Area/Palisades Park/FUDS/Cold Springs near USMA, West Point, New York, Volume I (Duplicate)	Not Indicated	Environmental Hazards Specialists International, Inc.	United States Military Academy
WSPT05501- WSPT05506	Not Indicated	Final Report, Digital Geophysical Mapping, Storm King Area, Palisades State Park	Not Indicated	CHEMRAD	United States Military Academy
WSPT05507- WSPT05512	January 27, 2003	Synopsis of Coastal Defense Batteries Located at U.S. Military Academy, West Point, New York (Duplicate)	Douglas R. Cubbison	U.S. Military Academy	United States Military Academy
WSTP05513- WSPT05518	June 2001	Conclusions and Recommendations, Ordnance and Explosives Archives Search Report for West Point/Cold Spring Foundry, Putnam and Orange Counties, New York (Duplicate)	Not Indicated	U.S. Army Corps of Engineers, Rock Island District	United States Military Academy
WSPT05519- WSPT05520	April 26, 1951	Letter to Commanding Officer of the 1802d Special Regiment requesting permission to construct a .22 caliber Outdoor Rifle Range on the U.S. Military Academy reservation	Winfield L. Martin	U.S. Military Academy	United States Military Academy

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<b>Document Numbers</b>	<b>Date</b>	<b>Title</b>	<b>Author</b>	<b>Author Organization</b>	<b>Source</b>
WSPT05521	May 8, 1951	1 <sup>st</sup> Indorsement letter to the Superintendent recommending approval for a .22 caliber Outdoor Rifle Range	Thomas F. Bohannon	U.S. Military Academy	United States Military Academy
WSPT05222	May 22, 1951	2nd Indorsement letter to the Commanding Officer of the 1802d Special Regiment approving the construction of a .22 caliber Outdoor Rifle Range	R.S. Mourse	U.S. Military Academy	United States Military Academy
WSPT05523- WSPT05531	March 27, 1997	Facsimile to Ken Haffner of the USACE that includes TCLP results from Grey Ghost	Frank Mills	U.S. Military Academy	United States Military Academy
WSPT05532- WSPT05541	Not Indicated	Facsimile to John Eisenhart of Camo Laboratories that includes summary of environmental comments on Grey Ghost, specs for the lab, and maps showing location of Grey Ghost and areas of recovered UXO.	Frank Mills	U.S. Military Academy	United States Military Academy
WSPT05542	November 14, 1928	Memorandum for Lieutenant G.E. Textor regarding the satisfactory location of the machine gun range and the need for a new pistol range	S. Whipple	U.S. Military Academy	United States Military Academy
WSPT05543	November 21, 1928	Memorandum for Lieutenant G.E. Textor regarding the approval by the Commanding General for construction of a new Pistol and Machine Gun range.	S. Whipple	U.S. Military Academy	United States Military Academy
WSPT05544- WSPT05545	Not Indicated	Ranges and Elevations, West Point Rifle Range for Ball Cartridge M1	C.W. Meyer	U.S. Military Academy	United States Military Academy
WSPT05546- WSPT05547	November 12, 1928	Letter to Superintendent detailing reconnaissance conducted to locate a new pistol range and improving the machine gun range	C.B Hodges	U.S. Military Academy	United States Military Academy

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WSPT05548- WSPT05549	June 22, 1928	Memorandum to C.K. Nulsen regarding rifle and gallery ranges	J.W. Coffey and G. Bryan Conrad	U.S. Military Academy	United States Military Academy
WSPT05550	May 16, 1928	Memorandum for the Commandant of Cadets and Range Officer regarding locations for a new pistol range	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05551	October 24, 1928	Memorandum for the Commandant of Cadets regarding the maintenance of the machine gun target range and the location of the present pistol range	S. Whipple	U.S. Military Academy	United States Military Academy
WSPT05552- WSPT05555	March 27, 1997	Facsimile to Joe Shandling regarding the protocol for lead debris classification in regards to Grey Ghost	John Wilk	U.S. Environmental Protection Agency	United States Military Academy
WSPT05556	Not Indicated	Facsimile cover page to Ken Haffner regarding TCLP Grey Ghost results (duplicate)	Frank Mills	U.S. Military Academy	United States Military Academy
WSPT05557- WSPT05588	July 20, 1960	Range Regulations	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05589- WSPT55590	Not Indicated	Article referencing the removal of Target Hill	Not Indicated	Not Indicated	United States Military Academy
WSPT05591	April 14, 1949	Memorandum to Post Range Board regarding a Proposed Cadet Pistol Club Outdoor Range	Elgin G. Radcliff	U.S. Military Academy	United States Military Academy
WSPT05592	May 17, 1949	1 <sup>st</sup> and 2 <sup>nd</sup> Indorsements for the construction of a Proposed Cadet Pistol Club Outdoor Range	John W. Coffey and R.S. Mourse	U.S. Military Academy	United States Military Academy
WSPT05593	October 2, 1949	3 <sup>rd</sup> and 4 <sup>th</sup> Indorsements for the construction of a Proposed Cadet Pistol Club Outdoor Range	Paul D. Harkins and Elgin G. Radcliff	U.S. Military Academy	United States Military Academy

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Document Numbers	Date	Title	Author	Author Organization	Source
WSPT05594- WSPT05605	Not Indicated	Maps and text outlining orientation of proposed pistol range, profile of range site, general layout of range, , the covered firing point, and a summary of range plans	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05606	April 14, 1949	5 <sup>th</sup> Indorsement for the construction of a Proposed Cadet Pistol Club Outdoor Range	W.S. Triplet	U.S. Military Academy	United States Military Academy
WSPT05608- WSPT05610	November 30, 1949	Proceedings of the Range Safety Board in regards to the new Cadet Pistol Club Outdoor Range	W.S. Triplet, D.A. Phelan, Oren E. Hurlbut, D.V. Bennett, and Paul W. Phillips	U.S. Military Academy	United States Military Academy
WSPT05611- WSPT05612	December 14, 1949	Regulations for Post Outdoor Pistol Range, West Point, New York	R.S. Nourse	U.S. Military Academy	United States Military Academy
WSPT05613- WSPT05614	December 8, 1949	Disposition Form regarding Proposed Cadet Pistol Club Outdoor Range	R.S. Nourse	U.S. Military Academy	United States Military Academy
WSPT05615	September 22, 1949	Memorandum for the Superintendent regarding construction of the new Cadet Pistol Club Outdoor Range	Joseph R. Russ	U.S. Military Academy	United States Military Academy
WSPT05616- WSPT05617	November 4, 1949	Daily Bulletin for the U.S. Military Academy	R.S. Nourse	U.S. Military Academy	United States Military Academy
WSPT05618- WSPT05619	December 15, 1949	Daily Bulletin for the U.S. Military Academy	R.S. Nourse	U.S. Military Academy	United States Military Academy
WSPT05620	Not Indicated	Guide Map of West Point	Not Indicated	U.S. Military Academy	United States Military Academy

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WSPT05621	January 27, 1997	Memo requesting necessary directions on how to respond to Norfolk District's potential concerns	Frank Bloomer	U.S. Military Academy	United States Military Academy
WSPT05622	Not Indicated	Notes on rifle range	Not Indicated	Not Indicated	United States Military Academy
WSPT05623	June 17, 1939	Memorandum regarding target practice at Machine Gun range and .22 caliber Rifle Range	C.H. Danielson	U.S. Military Academy	United States Military Academy
WSPT05624- WSPT05625	December 6, 1938	Memorandum to the Superintendent regarding facilities needed for summer training (duplicate)	Chas W. Ryder	U.S. Military Academy	United States Military Academy
WSPT05626- WSPT05629	Not Indicated	Memorandum to the Commandant of Cadets from the U.S. Military Academy regarding a survey of facilities and equipment required for cadet training. (duplicate)	Frederick A. Irving, Willis S. Matthews, and Ernest F. Easterbrook	U.S. Military Academy	United States Military Academy
WSPT05630- WSPT05631	December 8, 1938	Memorandum for Captain Hughes regarding summer training for the U.S. Corps of Cadets	Jacob L. Devers	U.S. Military Academy	United States Military Academy
WSPT05632- WSPT05647	January 30, 1939	Memorandum and remarks for the Superintendent from the Quartermaster's office regarding enlarged facilities at the existing Machine Gun and Rifle Ranges. Includes 1 <sup>st</sup> through 5 <sup>th</sup> Indorsements	F.F. Scowden	Office of the Quartermaster	United States Military Academy
WSPT05648- WSPT05672	December 1984	Installation Assessment of the U.S. Military Academy, West Point, and Subinstallations Stewart Army Subpost and Galeville Training Site, N.Y (duplicate)	B.N. McMaster	Environmental Science and Engineering, Inc.	United States Military Academy

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WSPT05673	May 15, 1953	Regulations for Range No. 20	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05674	May 15, 1953	Regulations for Range No. 19	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05675	May 15, 1953	Regulations for Range No. 18	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05676	May 15, 1953	Regulations for Range No. 17	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05677	May 15, 1953	Regulations for Range No. 16	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05678	May 15, 1953	Regulations for Range No. 15	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05679	May 15, 1953	Regulations for Range No. 14	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05680	May 15, 1953	Regulations for Range No. 13	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05681	May 15, 1953	Regulations for Range No. 12 (Post Outdoor Pistol Range)	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05682	May 15, 1953	Regulations for Range No. 11 (Post Indoor Range)	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05683	May 15, 1953	Regulations for Range No. 10	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05684	May 15, 1953	Regulations for Range No. 9	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05685	May 15, 1953	Regulations for Range No. 8	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05686- WSPT05690	May 15, 1953	Regulations for Range No. 7	Not Indicated	U.S. Military Academy	United States Military Academy

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WSPT05691	May 15, 1953	Regulations for Range No. 6	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05692	May 15, 1953	Regulations for Range No. 5	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05693- WSPT05695	May 15, 1953	Regulations for Range No. 4	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05696	May 15, 1953	Regulations for Range No. 3	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05697	May 15, 1953	Regulations for Range No. 2	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05698	May 15, 1953	Regulations for Range No. 1	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05699- WSPT05700	May 15, 1953	Range Danger Areas for Ranges No. 1-19	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05701- WSPT05702	April 25, 1950	Map of Proposed Family Type Housing (Two Six Units) (duplicate)	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05703- WSPT05709	October 18, 1910	Memorandum for the Superintendent regarding Target Range	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05710- WSPT05724	May 29, 1910	Proceedings of a Board of Officers appointed by 8.0.94, U.S. Military Academy, May 24, 1910	Lewellyn Bull	U.S. Military Academy	United States Military Academy
WSPT05725- WSPT05726	July 1962	Regulations for Range No. 12 (Post Outdoor Pistol Range)	Not Indicated	U.S. Military Academy	United States Military Academy
WSPT05727	November 5, 1928	Letter to the Post Ordnance Officer regarding recommendations relative to construction phases of proposed construction on New Machine Gun and Pistol ranges	Not Indicated	U.S. Military Academy	United States Military Academy

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WSPT05728	April 2002	Map of Projected Firing Fans for 75mm Munition, Storm King, NY (duplicate)	Not Indicated	Parsons	Malcolm Pirnie
WSPT05729	1912	Outline Map of West Point, N.Y. showing Main Buildings, Officers' Quarters, and Fire Alarm Boxes and Fire Districts (Duplicate)	Not Indicated	U.S. Military Academy	Malcolm Pirnie
WSPT05730- WSPT05732	February 1959	West Point and Vicinity map with firing ranges	Not Indicated	Army Map Service, Corps of Engineers	United States Military Academy
WSPT05733- WSPT05736	Not Indicated	West Point – About the Academy	Not Indicated	U.S. Military Academy	<a href="http://www.usma.edu">www.usma.edu</a>
WSPT05737- WSPT05738	August 8, 2001	'The Point' Shares Its Treasures with the Community	Not Indicated	Poughkeepsie Journal	<a href="http://www.poughkeepsiejournal.com">www.poughkeepsiejournal.com</a>
WSPT05739	Not Indicated	West Point Golf Course – Military	Not Indicated	TravelGolf.com Publications	<a href="http://www.golfguideweb.com">www.golfguideweb.com</a>