



**US Army Corps
of Engineers**
Rock Island District

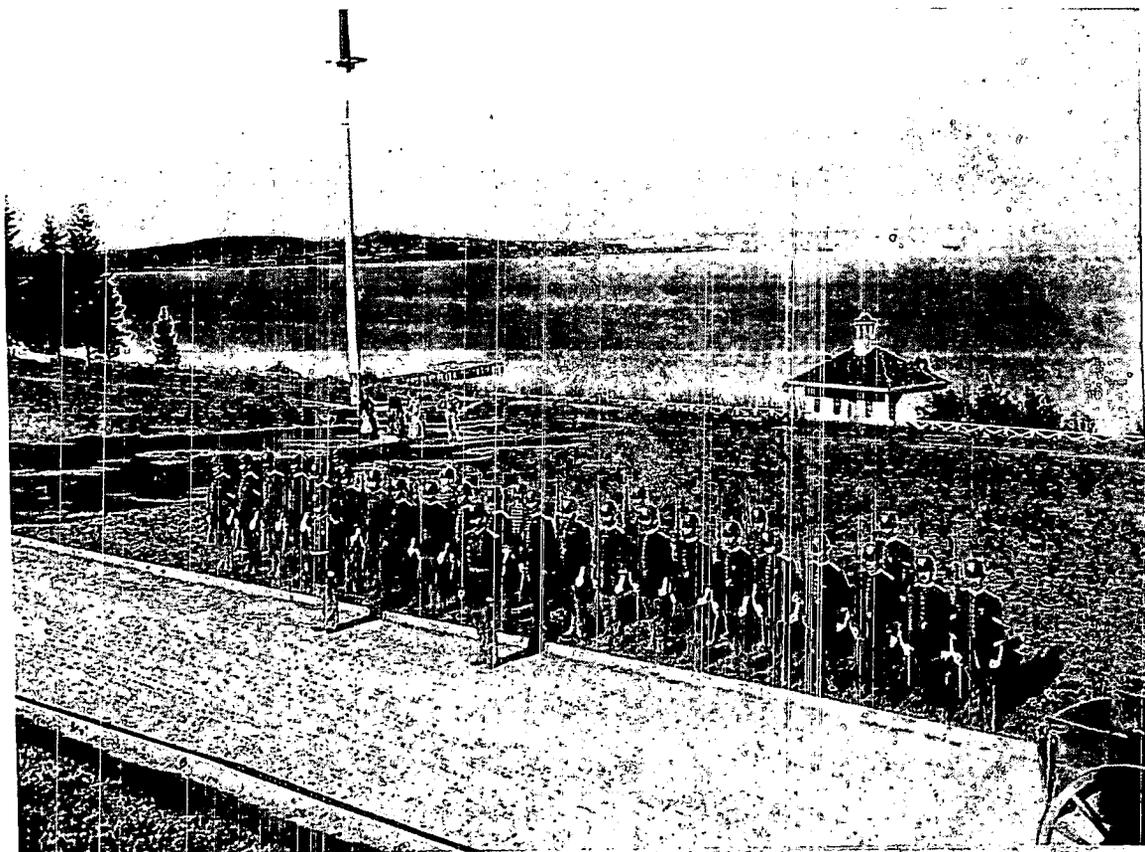
Defense Environmental Restoration Program
for
Formerly Used Defense Sites
Ordnance and Explosives

Final Archives Search Report

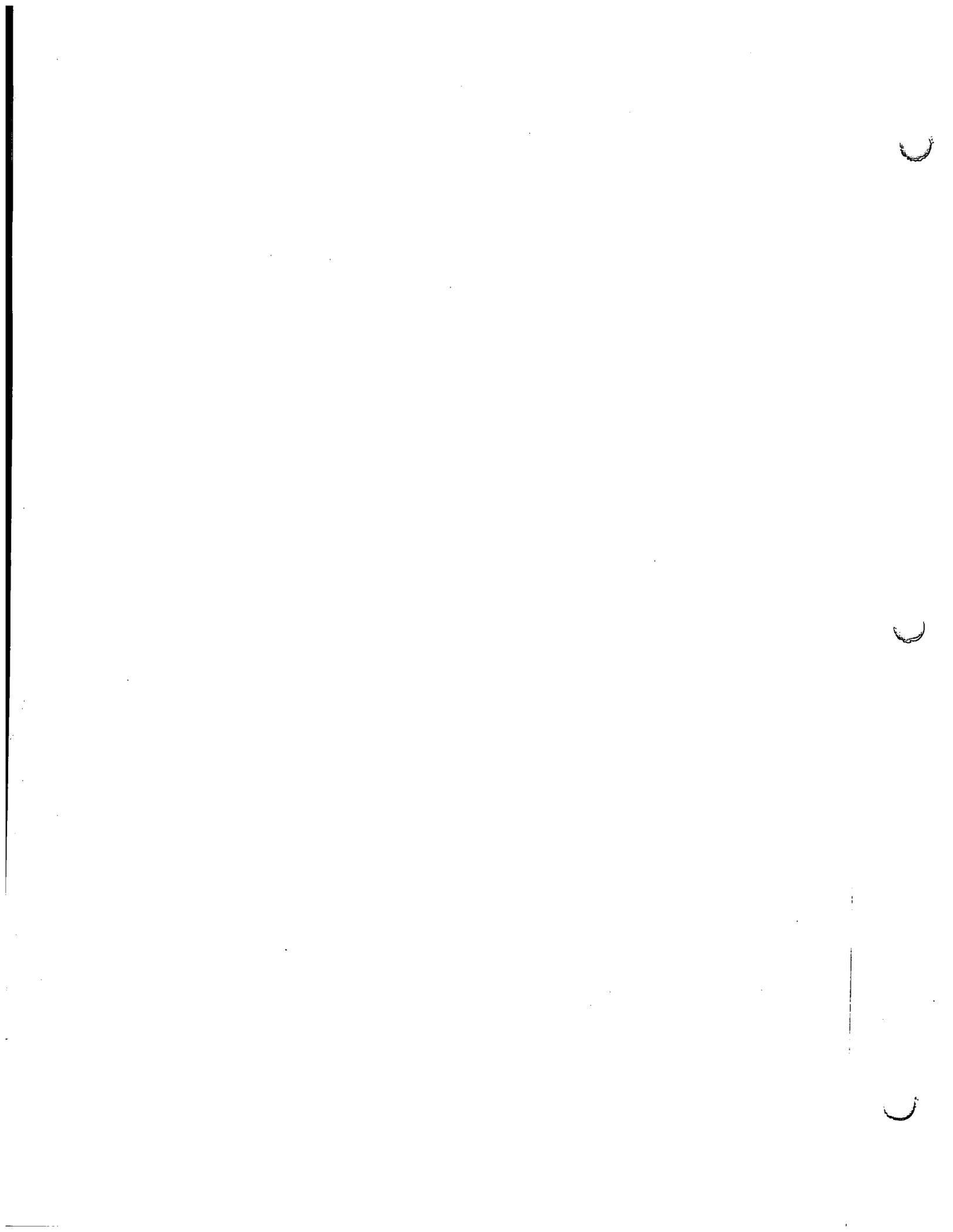
for
the former

FORT TOWNSEND

PROJECT NUMBER F10WA032201
APRIL 2005



Fort Townsend, Washington Territory



RESTORATION INFORMATION MANAGEMENT SYSTEM
PROJECT FACT SHEET
FORMERLY USED DEFENSE SITES
September 2003
TAG REVIEW: 5 MAY 2004

1. **SITE NAME:** Fort Townsend

SITE NUMBER: F10WA032200

LOCATION:

County: Douglas
State: Washington

PROJECT NUMBER: F10WA032201

CATEGORY: MMRP

INPR RAC:

ASR RAC: 5

TAG RAC: 5

2. **POC'S:**

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ASR TECHNICAL REVIEWER:

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Office: SJMAC-ESM
Phone: 918-420-8867

3. **SITE DESCRIPTION:**

a. Fort Townsend is located on 614.75 acres approximately 4 miles south of Port Townsend, Washington. The area is characterized by flat open grassland in the south to rolling hills in the north. Most of the site is covered by large evergreen timber. Steep cliffs line the shoreline.

b. The ASR site inspection team found no evidence of MEC debris with the exception of expended small arms cartridges.

4. **SITE HISTORY:**

a. Fort Townsend was acquired by the War Department in 1859 by Executive Order. The original purpose was to provide protection for the settlers on the Olympic Peninsula. From 1895 to WWII, the fort was in a caretaker status. In 1930 the emergency landing field was built. In 1942 the Navy was allowed to use the northern portion of the site as an explosives laboratory. A small arms range is believed to have been in the southern area.

b. The fort went into caretaker status twice. The fort was listed as excess in 1944. The airfield was transferred to Jefferson County in 1946. The remainder of the fort went to the State of Washington in 1958.

c. The site is currently being used as a state park, county airport, and timber production.

5. **PROJECT DESCRIPTION:**

Area A:

Size:	27.37 acres
Former Use:	possible small arms range
Present Use:	Airport
Possible End Use:	Same
OE Presence:	
Confirmed:	None
Potential:	None
ASR Recommends:	RAC 5
HNC Safety:	RAC 5

Area B:

Size: 1 acres
Former Use: Burn pit
Present Use: State park
Possible End Use: Same
OE Presence:
 Confirmed: None
 Potential: None
ASR Recommends: RAC 5
HNC Safety: RAC 5

Area C:

Size: 1 acres
Former Use: Demo Area
Present Use: State Park
Possible End Use: Same
OE Presence:
 Confirmed: None
 Potential: None
ASR Recommends: RAC 5
HNC Safety: RAC 5

Area D:

Size: 585.38 acres
Former Use: Remaining Lands
Present Use: Airport, Timber, State Park
Possible End Use: Same
OE Presence:
 Confirmed: None
 Potential: None
ASR Recommends: RAC 5
HNC Safety: RAC 5

6. CURRENT STATUS:

The U.S. Army Corps of Engineers, Rock Island District, completed the Archives Search Report for Fort Townsend in September 2003.

7. STRATEGY: NDAI

8. **ISSUES AND CONCERNS:**

a. Evidence, both documented and visual, indicates there are no areas of confirmed or potential MEC presence at this site.

b. The Huntsville Center Technical Advisory Group met and evaluated this ASR on 5 May 2004. The consensus was RAC 5, NDAI.

9. **SCHEDULE SUMMARY:**

<u>Phase</u>	<u>Orig. Start</u>	<u>Sch. Start</u>	<u>Actual Start</u>	<u>Orig. Comp.</u>	<u>Sch. Comp.</u>	<u>Actual Comp.</u>
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10. **FUNDING/BUDGET SUMMARY:**

<u>Year</u>	<u>Phase</u>	<u>EXEC FOA</u>	<u>IN House Required</u>	<u>Contract Required</u>	<u>Funds Obligated</u>
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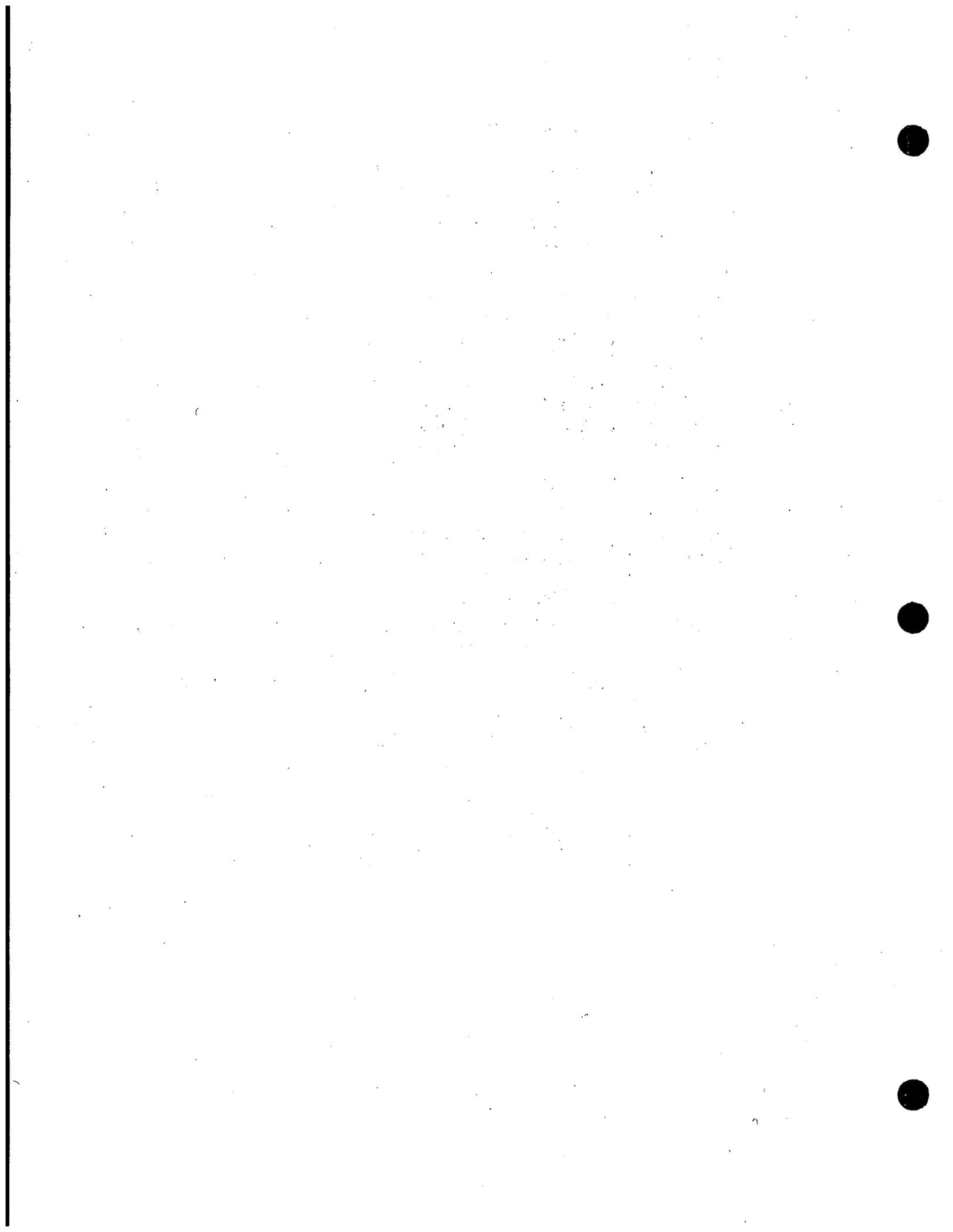
EXECUTIVE SUMMARY

This report presents a historical records search and site inspection for the presence of ordnance and explosives (OE) located at the former Fort Townsend. The investigation was performed under the authority of the Defense Environmental Restoration Program for Formerly Used Defense Sites. The investigation did not identify any OE related material.

The investigation focused on 614.75 acres, which is located entirely in Jefferson County, 4 miles south of Port Townsend Washington. This site was used in the late 1800's as a military outpost to protect settlers from hostile northern Indians.

Fort Townsend was acquired by the War Department in 1859 by Executive Order to provide protection for settlers on the Olympic Peninsula. On January 19, 1895 a fire destroyed most of the barracks and the fort was ordered decommissioned. From the turn of the century to World War II, the fort was in caretaker status. In May 1930 an emergency landing field was constructed. This landing field was built on the old garden plots of Fort Townsend. Although no historical documentation has been located it is believed that a small arms range also once existed in this area. In July 1942 the northern portion of the reservation was permitted to the Navy for use as an explosives X-ray laboratory. The primary mission of the laboratory was the x-ray examination and disassembly of enemy naval mines, torpedoes and other munitions. The War Assets Administration assumed accountability of the southwestern portion of Fort Townsend on October 22, 1946. In 1947, the southwestern portion of the fort was conveyed to Jefferson County for the Jefferson County International Airport. Between 1947 and 1959, the airport was operated by Jefferson County. The Washington State Parks and Recreation Commission purchased the northeastern portion from the government in 1958 for Old Fort Townsend State Park.

The assessment team visited Fort Townsend in July 2003. After reviewing historical documents and interviewing knowledgeable individuals, a visual inspection of the site was made. The assessment team concluded there is no evidence any OE remains at this site.



RISK ASSESSMENT PROCEDURES FOR
MILITARY MUNITIONS RESPONSE PROJECTS
(Revised 29 October 2003)

Property Name:	<u>Fort Townsend Areas A-D</u>	Rater's Name:	<u>Daniel Linehan</u>
Property Location:	<u>Jefferson County, WA</u>	Phone Number:	<u>918-420-8867</u>
DERP Project #:	<u>F10WA032201</u>	Organization:	<u>SJMAC-ESM</u>
Property Type:	<u>Garrison, Emergency landing Strip</u>	Date Completed:	<u>21 April 2004</u>
Score:	<u>5</u>		

RISK ASSESSMENT:

This risk assessment (RAC) procedure was developed to address explosives safety hazards related to munitions. This procedure does not address environmental hazards associated with munitions constituents. The U.S. Army Engineering and Support Center, Huntsville (USAESCH), Ordnance and Explosives Directorate (CEHNC-OE) developed this procedure in accordance with MIL-STD 882C and AR 385-10. The Risk Assessment Code (RAC) score will be used by the U.S. Army Corps of Engineers to prioritize the response action(s) at Formerly Used Defense Sites (FUDS). The risk assessment should be based on the best available information resulting from record searches, reports of Explosive Ordnance Disposal (EOD) actions, field observations (site visits), and interviews. This information is used to assess the risk involved based on the potential MMR hazards identified for the project. The risk assessment evaluates two factors, hazard severity and hazard probability.

Part I - Hazard Severity. Hazard severity categories are defined to provide a qualitative measure of the worst credible event resulting from personnel exposure to various types and quantities of unexploded ordnance.

TYPE OF ORDNANCE: (Check all that apply)

A. Conventional ordnance and ammunition:	VALUE
Projectiles, explosive (20 millimeter and larger)	10 <input type="checkbox"/>
Bombs, explosive	10 <input type="checkbox"/>
Grenades, hand or rifle, explosive	10 <input type="checkbox"/>
Landmine, explosive	10 <input type="checkbox"/>
Rockets, guided missile, explosive	10 <input type="checkbox"/>
Other Explosive item not previously stated	10 <input type="checkbox"/>
Bomb, practice (w/spotting charge)	6 <input type="checkbox"/>
Detonators, blasting caps, fuses, boosters, bursters	6 <input type="checkbox"/>
Practice ordnance (w/ spotting charges, other than bombs)	4 <input type="checkbox"/>
Small arms, complete round (.50 cal or less)	1 <input type="checkbox"/>
Small arms, expended (.50 cal or less)	0 <input checked="" type="checkbox"/>
Practice ordnance (w/o spotting charges)	0 <input type="checkbox"/>
Conventional ordnance and ammunition (enter largest single value checked)	0

What evidence do you have regarding conventional unexploded ordnance? Expended cartridges from small arms ammunition were discovered near the site, presumably from a small arms range.

Property Name:
Project Number:
Property Type:

B. Pyrotechnics (for munitions not described above):

	VALUE
Munitions containing White Phosphorus (WP) or other pyrophoric material (i.e., spontaneously flammable)	10 <input type="checkbox"/>
Munitions containing a flame or incendiary material (i.e., Napalm, Triethylaluminum metal incendiaries)	10 <input type="checkbox"/>
Containers containing WP or other pyrophoric material or flame or incendiary material	6 <input type="checkbox"/>
Flares, signals, simulators, screening/burning smokes (other than WP)	4 <input type="checkbox"/>
Pyrotechnics (enter the single largest value checked)	<u>0</u>

What evidence do you have regarding pyrotechnics? None

C. Bulk Explosives (HE) (not an integral part of conventional ordnance; un-containerized):

	VALUE
Primary or initiating explosives (Lead Styphnate, Lead Azide, Nitroglycerin, Mercury Azide, Mercury Fulminate, Tetracene, etc.)	10 <input type="checkbox"/>
Secondary explosives (Demolition charges, PETN, Compositions A, B, C, Teteryl, TNT, RDX, HMX, HBX, Black Powder, etc.)	8 <input type="checkbox"/>
Insensitive explosive substances (explosive contaminated soils, ammonium nitrate)	3 <input type="checkbox"/>
Pyrotechnics (enter the single largest value checked)	<u>0</u>

What evidence do you have regarding bulk explosives? None

Property Name:
Project Number:
Property Type:

D. Bulk propellants (not an integral part of rockets, guided missiles, or other conventional ordnance; uncontainerized)

	VALUE
Solid or liquid propellants	6 <input type="checkbox"/>
Bulk Propellants (select 6 or 0)	<u>0</u>

What evidence do you have regarding bulk propellants? None

E. Recovered Chemical Warfare Materiel (RCWM), Weaponized Industrial Chemicals and Radiological Materiel:

	VALUE
Toxic chemical agents (H-Mustard, G-Nerve, V-Nerve and L-Lewisite)	25 <input type="checkbox"/>
Chemical Agent Identification Sets	20 <input type="checkbox"/>
Radiological Materiel (If rad waste is identified please call the HTRW-CX at 402-697-2555)	15 <input type="checkbox"/>
Weaponized Industrial Chemicals (Hydrogen Cyanide AC; Cyanogen Chloride, CK; Phosgene, CG)	10 <input type="checkbox"/>
Riot Control Agents (vomiting, tear)	5 <input type="checkbox"/>
Chemical and Radiological (enter the single largest value checked)	<u>0</u>

What evidence do you have regarding chemical or radiological? None

TOTAL HAZARD SEVERITY VALUE (Sum of value A through E, maximum of 61) 0
Apply this value to Table 1 to determine Hazard Severity Category

Property Name:
Project Number:
Property Type:

TABLE 1
HAZARD SEVERITY*

DESCRIPTION	CATEGORY	HAZARD SEVERITY VALUE
CATASTROPHIC	I <input type="checkbox"/>	21 and/or greater
CRITICAL	II <input type="checkbox"/>	10 to 20
MARGINAL	III <input type="checkbox"/>	5 to 9
NEGLIGIBLE	IV <input type="checkbox"/>	1 to 4
**NONE	V <input checked="" type="checkbox"/>	0

*Apply Hazard Severity Category to Table 3 and complete Part II of this form.

**If hazard severity value is 0, complete Part II of this form. Then proceed to Part III and use a RAC score of 5 to determine your appropriate action.

PART II - Hazard Probability. The probability that a hazard has been, or will be, created due to the presence and other rated factors of unexploded ordnance, explosives, incendiary, pyrotechnic, radiological, or RCWM materials on a formerly used Department of Defense (DOD) site.

AREA, EXTENT, ACCESSIBILITY OF OE HAZARD (Check all that apply)

A. Locations of OE hazards:

	VALUE
On the surface	5 <input checked="" type="checkbox"/>
Within tanks, pipes, vessels, or other confined areas	4 <input type="checkbox"/>
Inside walls, ceilings, or other building/structure	3 <input type="checkbox"/>
Subsurface	2 <input type="checkbox"/>
Location (enter the single largest value checked)	<u>5</u>

What evidence do you have regarding the location of OE? Expended small arms casings were found on the surface.

Property Name:
Project Number:
Property Type:

B. Distance to nearest inhabited location/structure likely to be at risk from OE hazard (road, park, playground, building, etc.).

	VALUE
Less than 1,250 feet	5 <input checked="" type="checkbox"/>
1,250 feet to 0.5 mile	4 <input type="checkbox"/>
0.5 mile to 1.0 mile	3 <input type="checkbox"/>
1.0 mile to 2.0 Miles	2 <input type="checkbox"/>
Over 2 miles	1 <input type="checkbox"/>

Distance (enter the single largest value checked) 5

What are the nearest inhabited structures/buildings? No explanation given.

C. Number(s) of building(s) within a 2-mile radius measured from the OE hazard area, not the installation boundary.

	VALUE
26 and over	5 <input checked="" type="checkbox"/>
16 to 25	4 <input type="checkbox"/>
11 to 16	3 <input type="checkbox"/>
6 to 10	2 <input type="checkbox"/>
1 to 5	1 <input type="checkbox"/>
0	0 <input type="checkbox"/>

Number of buildings (enter the single largest value checked) 5

Narrative: No explanation given

Property Name:
Project Number:
Property Type:

D. Types of Buildings (within 2-mile radius)

- | | VALUE |
|--|---------------------------------------|
| Educational, childcare, residential, hospitals, hotels, commercial, shopping centers | 5 <input checked="" type="checkbox"/> |
| Industrial, warehouse, etc. | 4 <input checked="" type="checkbox"/> |
| Agricultural, forestry, etc. | 3 <input type="checkbox"/> |
| Detention, correctional | 2 <input type="checkbox"/> |
| No buildings | 0 <input type="checkbox"/> |

Types of buildings (enter the single largest value checked) 5

Describe the types of buildings: Residential and Industrial.

E. Accessibility to site refers to access by humans to ordnance and explosives. Use the following guidance:

- | | VALUE |
|---|---------------------------------------|
| No barrier nor security system | 5 <input checked="" type="checkbox"/> |
| Barrier is incomplete (e.g., in disrepair or does not completely surround the site). Barrier is intended to deny egress from the site, as for a barbed wire fence for grazing | 4 <input type="checkbox"/> |
| A barrier (any kind of fence in good repair) but no separate means to control entry. Barrier is intended to deny access to the site. | 3 <input type="checkbox"/> |
| Security Guard, but no barrier | 2 <input type="checkbox"/> |
| A 24-hour surveillance system (e.g., television monitoring or surveillance by guards or facility personnel continuously monitors and controls entry; or, an artificial or natural barrier (e.g., fence combined with a cliff) which completely surrounds the area; and, a means to control entry at all times through the gates or other entrances (e.g., an attendant, television monitors, locked entrances, or controlled roadway access to the area). | 0 <input type="checkbox"/> |

Accessibility (enter the single largest value checked) 5

Describe the site accessibility: Open State park and airport.

Property Name:
Project Number:
Property Type:

F. **Site Dynamics.** This deals with site conditions that are subject to change in the future, but may be stable at the present. Examples would be excessive soil erosion on beaches or streams, increasing land development that could reduce distances from the site to inhabited areas or otherwise increase accessibility.

	VALUE
Expected	5 <input checked="" type="checkbox"/>
Not anticipated	0 <input type="checkbox"/>

Site Dynamics (enter the single largest value checked) 5

Describe the site dynamics: Part of the site is beachfront.

TOTAL HAZARD PROBABILITY VALUE 30
 (Sum of largest values for A through F (maximum of 30). Apply this value to Hazard Probability Table 2 to determine the Hazard Probability Level.

**TABLE 2
HAZARD PROBABILITY***

<u>DESCRIPTION VALUE</u>	<u>LEVEL</u>	<u>HAZARD PROBABILITY</u>
FREQUENT	A <input checked="" type="checkbox"/>	27 or greater
PROBABLE	B <input type="checkbox"/>	21 to 26
OCCASIONAL	C <input type="checkbox"/>	15 to 20
REMOTE	D <input type="checkbox"/>	8 to 14
IMPROBABLE	E <input type="checkbox"/>	less than 8

*Apply Hazard Probability Level to Table 3.

Property Name:
 Project Number:
 Property Type:

Part III - Risk Assessment. The risk assessment value for this site is determined using the following Table. Enter the results of the Hazard Probability and Hazard Severity values.

TABLE 3

PROBABILITY LEVEL	FREQUENT A	PROBABLE B	OCCASIONAL C	REMOTE D	IMPROBABLE E
SEVERITY CATEGORY:					
CATASTROPHIC I	1 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
CRITICAL II	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/>
MARGINABLE III	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/>
NEGLIGIBLE IV	3 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/>

None (V) = RAC 5

RISK ASSESSMENT CODE (RAC)

RAC 1-4 Recommend and approve further action as appropriate. Refer to EP 1110-1-18 for discussion of MMR projects and the process to be followed for project execution.

RAC 5 Usually indicates that No DOD Action Indicated (NDAI) is necessary. Recommend and approve NDAI and follow instructions for project closeout in accordance with current program guidance.

PART IV - Narrative. Summarize the documented evidence that supports this risk assessment. If no documented evidence was available, explain all the assumptions that you made.

Inspite of an extensive magnetometer search the only MEC related material that could be found was expended cartridge cases. The beach area used for demolition operations was extensively searched. No confirmed or potential areas of MEC presence appear to exist.

Property Name:
Project Number:
Property Type:

DEFENSE ENVIRONMENTAL RESTORATION PROGRAM
For
FORMERLY USED DEFENSE SITE

FINDINGS

ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
FORT TOWNSEND
PORT TOWNSEND, WASHINGTON
PROJECT NUMBER F10WA032201

APRIL 2005

Prepared For

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ORDNANCE AND EXPLOSIVES
 ARCHIVES SEARCH REPORT
 FOR
 FORT TOWNSEND
 PORT TOWNSEND, WASHINGTON
 PROJECT NUMBER F10WA032201

ACKNOWLEDGMENT

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**ORDNANCE AND EXPLOSIVES
ARCHIVE SEARCH REPORT
FOR
FORT TOWNSEND
JEFFERSON COUNTY, WASHINGTON
PROJECT NUMBER F10WA032201**

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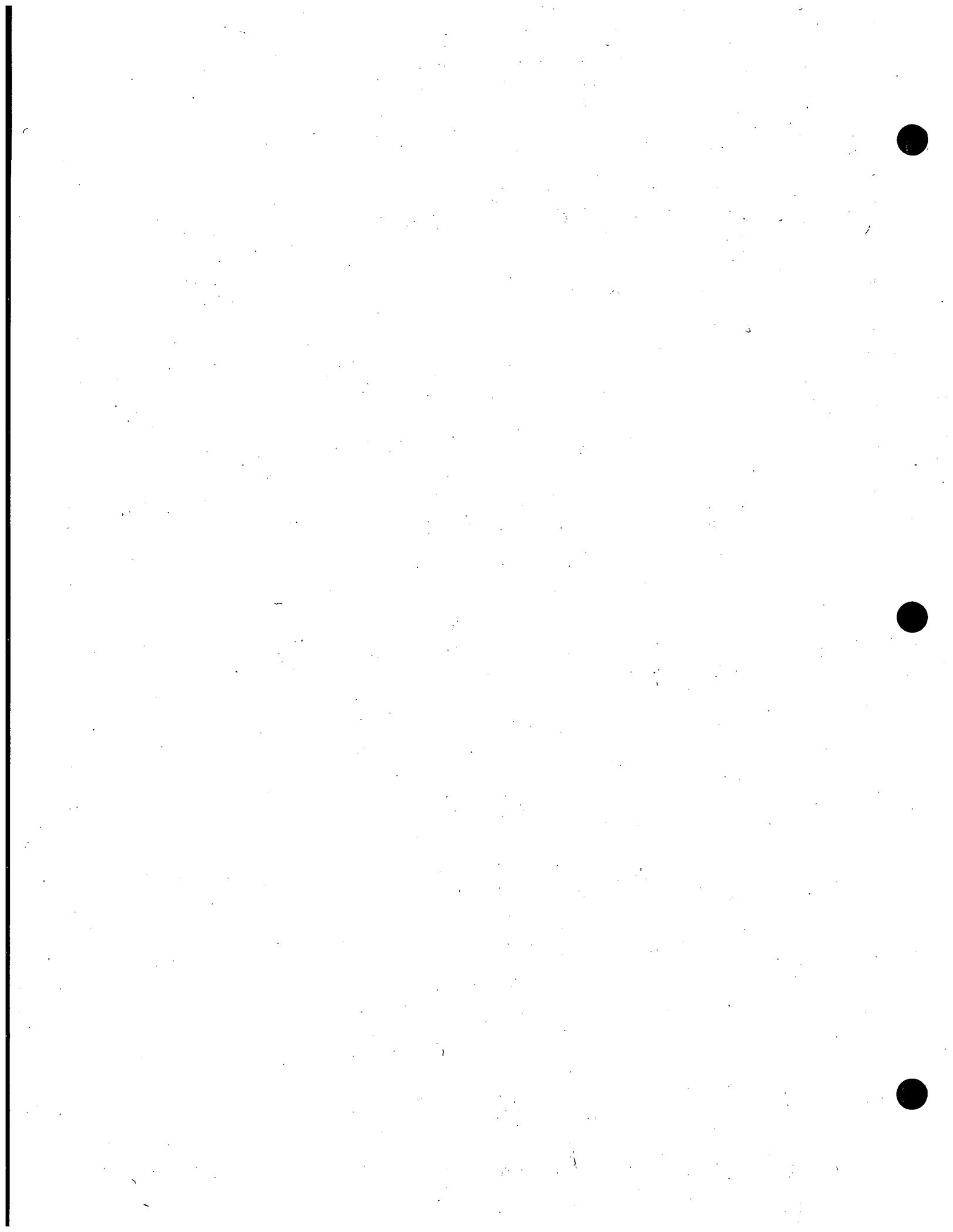
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ORDNANCE AND EXPLOSIVES
ARCHIVE SEARCH REPORT
FOR
FORT TOWNSEND
JEFFERSON COUNTY, WASHINGTON
PROJECT NUMBER F10WA032201

1. INTRODUCTION

a. **Authority, Subject and Purpose**

(1) This report presents the findings of a historical records search and site inspection for the presence of ordnance and explosives (OE) located at Fort Townsend, Jefferson County, Washington (see Plate 1 for general location map). The investigation was performed under the authority of the Defense Environmental Restoration Program for Formerly Used Defense Sites (DERP-FUDS).

(2) The investigation focused on 614.75 acres, which is located entirely in Jefferson County, four miles south of Port Townsend, Washington (see document E-1). This site was used in the late 1800's as a military outpost to protect settlers from hostile northern Indians.

(3) The purpose of this investigation was to characterize the site for potential OE presence, to include conventional ammunition and chemical warfare materiel (CWM). The investigation was conducted by experienced ordnance personnel thorough evaluation of historical records, interviews, and on-site visual inspection results.

b. **Scope**

(1) This report presents the site history, site description, real estate ownership information, and confirmed ordnance presence (prior to and after site closure), based on available records, interviews, site inspections, and analyses. The analyses provide a complete evaluation of all information to assess current day potential ordnance presence, where actual ordnance presence has not been confirmed.

(2) For the purpose of this report, OE presence consists of live ammunition, ammunition components, CWM or explosives which have been lost, abandoned, discarded, buried, fired, or thrown from demolition pits or burning pads. These items were manufactured, purchased, stored, used, and/or disposed of by the War Department or the Department of Defense. Such ammunition/components are no longer under accountable record control of any DOD organization or activity.

(3) Expended small arms ammunition (caliber .50 or smaller) is not considered OE presence. OE further includes "explosive soil" which refers to any mixture in soil, sands, clays, etc., such that the mixture itself is explosive. Generally, 10 percent or more by weight of secondary explosives in a soil mixture is considered explosive soil.

2. PREVIOUS INVESTIGATIONS

a. **Corps of Engineers Documents**

(1) A Preliminary Assessment of Eligibility (PAE) for Fort Townsend was conducted under DERP-FUDS by the U.S. Army Corps of Engineers, Seattle District. The Finding and Determination of Eligibility (FDE), dated 14 August 1989, concluded that the site known as Fort Townsend had been formerly used by the Department of Defense (see document E-1).

(2) The PAE concluded that there were eligible categories under the DERP-FUDS program due to the fact that the Army and Navy used the site. The PAE indicated that the site consisted of 614.75 acres, which comprised the Fort Townsend Army camp.

TABLE 2-1 PRELIMINARY ASSESSMENT OF ELIGIBILITY				
Project Number	DERP Category	Present Phase	Comments	Location
F10WA032201	OE	SI	Ordnance and Explosives Presence	Entire Site 614.75 Acres (see Plate 1)
	HTRW	N/A	None Recommended	N/A
	BD/DR	N/A	None Recommended	N/A

b. **Other Reports**

No other pertinent investigations or inspections were discovered during the ASR process.

3. SITE DESCRIPTION

a. **Existing Land Usage**

(1) The former Fort Townsend, which was originally acquired to provide a rallying point for the settlers in and around the Puget Sound. Approximately 369 acres is owned by the state of Washington and is currently a state park used for camping and hiking (See plate 4). The Port of Port Townsend is utilizing the southern portion consisting of approximately 128.54 acres as a county airport (see document E-10, Plate 4 and Table 3-1). The remaining acres are owned by Eagle Eye Inc. and are used for timber production. There is also a state road running NW/SE in this section of the former fort. This road buffers the eastern side of the airport and is one of the main throughways in the Port Townsend area (see plate 4).

AREA	FORMER USAGE	CURRENT OWNER	CURRENT USAGE	ACREAGE	COMMENTS
A	Army Fort	State of Washington	State Park	369	Burn Pit
B	Army Fort	Eagle Eye Inc.	Forest	117.21	No OE
C	Landing Field	Port of Port Townsend	Airport	128.54	Possible Small Arms Range
Total				614.75	

b. **Climatic Data**

(1) The climate is a mid-latitude, west coast marine type with comparatively cool, dry summers and mild but wet and cloudy winters. The Olympic Mountains and the extension of the Coastal Range on Vancouver Island shield this area from winter storms moving inland from over the ocean. This belt in the "rain shadow" of the Olympic Mountains is the driest area in western Washington. The average annual precipitation is about 18 inches. Measurable precipitation is recorded on three to five days each month in summer and on 17 to 22 days in winter.

(2) Another factor which distinguishes this belt from other localities in the Puget Sound region is the rate of rainfall. This area frequently receives drizzle or light rain while other localities are experiencing light to moderate rainfall. Snowfall is light in the lower elevations adjacent to the water, increasing with distance from the water and rise in terrain. This area is considered to receive slightly more sunshine and have less cloudiness than other localities in Puget Sound; however, the difference is not in proportion to the decrease in precipitation. During the latter half of the summer and early fall, fog banks from over the ocean and Strait of Juan de Fuca result in considerable fog and morning cloudiness in the lower elevations.

(3) The average July maximum temperature ranges from 65°F near the water to 70° or 75° F inland, and the minimum temperature is near 50°F. Maximum temperatures seldom exceed 90°F. In January, maximum temperatures are in the 40's and minimums in the lower 30's. Minimum temperatures between -50 and -8° F have been recorded; however, the minimum temperature seldom drops below 15° to 20°F. The coldest weather is usually associated with an outbreak of cold air from the interior of Canada. The average date of the last freezing temperature in the spring occurs in the latter half of March. The first freezing temperature in the fall is about the first of November (reference B-4).

c. Topography

(1) The topography of the site changes from flat open grassland in the southern portion of the site (around the airport) to rolling hills in the northern section. Most of the site is covered by large evergreen timber.

(2) Steep cliffs ranging from 40 feet to 80 feet in height line the shoreline of the former Fort Townsend leaving only one access to the rocky shoreline (reference B-5)

d. Geology and Soils

(1) Agnew Series

The Agnew series consists of somewhat poorly drained soils that formed in glacial lake or marine deposits. They are on terraces, canyon slopes, and ocean bluffs. Slopes range from 0 to 50 percent.

(2) **Clallam Series**

The Clallam series consists of well-drained soils that have a very slowly permeable cemented layer at a depth of 20 to 40 inches. They are on uplands. Slopes range from 0 to 30 percent. Elevation ranges from 80 to 1,000 feet.

(3) **Dick Series**

The Dick series consists of somewhat excessively drained, sandy soils. They formed in glacial outwash on plains and terraces. Slopes range from 0 to 15 percent.

(4) **Hoypus Series**

The Hoypus series consists of somewhat excessively drained, gravelly soils. These soils formed in glacial outwash on terraces. Slopes range from 0 to 50 percent. Elevation ranges from 100 to 500 feet.

(5) **Rough Broken Land**

Rough Broken Land (Ro and Ry) consists of marine bluffs along the Pacific coastal strip of western Jefferson County and along Admiralty Inlet and Hood Canal in eastern Jefferson County. They are 80 feet or more high, about 100 feet or more wide, and have slopes of 50 to 120 percent. Slopes of less than 65 percent are generally covered with vegetation, and slopes of more than 65 percent are generally bare and subject to frequent landslips. Winter high tides and storms along these steeper bluffs frequently undermine their bases, causing land to slide down from above. This land type is used mainly for wildlife habitat. Capability unit VIIIe-1; not assigned to a woodland group.

(6) **San Juan Series**

The San Juan series consists of somewhat excessively drained gravelly soils. Slopes range from 0 to 8 percent. Elevation ranges from slightly above sea level to about 300 feet.

(7) **Swantown Series**

The Swantown series consists of somewhat poorly drained, gravelly soils that have a very slowly permeable cemented layer at a depth of 18 to 24 inches. They are on uplands. Slopes range from 0 to 8 percent.

e. **Hydrology**

There are no streams or ponds located on the former Fort Townsend. The only surface water located on the site is the Pacific Ocean running along the north/east edge of the site. There are a couple of wells located on the site all of which put the water table at between 100 feet and 175 feet (See reference B-5).

f. **Natural Resources**

Information in Table 3-2 was compiled from the U.S. Department of the Interior, Fish and Wildlife Service. Only one species has been identified on or near the former Fort Townsend site. Prior to any intrusive remedial activities, contact the State of Washington, Department of Fish and Game, for the most current information.

TABLE 3-2 NATURAL RESOURCES		
RESOURCE CLASSIFICATION	TYPE	COMMENT
Birds	Bald Eagle	Threatened

g. **Historical and Cultural Resources and Demographics**

The entire main post area of the former Fort Townsend (the area now operated as a state park) is considered a historical preservation area. Any intrusive operations in this area will have to be cleared through the Office of Archaeology and Historic Preservation.

TABLE 3-3 HISTORICAL AND CULTURAL RESOURCES AND DEMOGRAPHICS		
RESOURCE CLASSIFICATION	TYPE	COMMENT
Historical		Main Fort Area
Archeological		None Identified

4. HISTORICAL SITE PRESENCE

a. **Chronological Site Summary**

(1) Fort Townsend was acquired by the War Department in 1859 by Executive Order. The original purpose of the installation was to provide protection for settlers on the Olympic Peninsula. Troops were stationed there from 1857 to 1861, but were withdrawn for service in the Civil War. Volunteers garrisoned the post for the next few years at which time the post reverted to a caretaker status (see document E-3).

(2) In 1874 the post was rebuilt and had an active garrison for the next 20 years. Several cantonment buildings, including a magazine, were built during this time frame. However on January 19, 1895 a fire destroyed most of the barracks and the fort was ordered decommissioned. From the turn of the century to World War II, the fort was again in caretaker status.

(3) In May 1930, the Secretary of War approved \$400.00 for the construction of an emergency/training landing field. This landing field was to be built on the old garden plots of Fort Townsend. Although no historical documentation has been located it is believed that a small arms range also once existed in this area some time between 1930 and 1947. In August 1945, the War Department requested and received permission from the Department of the Navy to use the landing field as a municipal landing field (see document E-6)

(4) In July 1942 the northern portion of the reservation was permitted to the Navy for use as an explosives laboratory. The primary mission of the laboratory was the x-ray examination and disassembly of enemy naval mines, torpedoes and other munitions (see document E-7).

(5) The War Assets Administration assumed accountability of the southwestern portion of Fort Townsend on October 22, 1946. In 1947, the southwestern portion of the fort was conveyed to Jefferson County for the Jefferson County International Airport. Between 1947 and 1959, the airport was operated by Jefferson County. The Washington State Parks and Recreation Commission purchased the northeastern portion from the government in 1958 for Old Fort Townsend State Park (See documents E-8 and E-10).

(6) According to Mr. Doug Bassett who was stationed at Fort Townsend between 1944 and 1946, excess munitions were disposed of by detonation in pits on the beach. Mr. Bassett described a wide array of explosives, both foreign and domestic, including torpedoes, mines, TNT, dynamite, Japanese balloon bombs, grenades, and depth charges kept onsite. He recalled that the destruction of munitions, in which he participated, occurred around the time the facility was being closed in 1946. It is possible that other disposal events occurred prior to Mr. Bassett being stationed at Fort Townsend. Mr. Bassett expressed concern that unexploded ordnance may remain on the property (see document E-12).

b. Historic Military Munitions Usage

(1) Research efforts began with a thorough review of all reports, articles, historical documents and reference materials gathered during the archival records search. During the review, an effort was made to focus on areas of potential OE presence as described in the Inventory Project Report (INPR) as well as any additional areas which may have been identified during research concerning this former bombing target (reference B-1).

(2) Sources that were checked in the search for any evidence of OE presence at this former bombing target included:

- (a) National Archives
- (b) Regional Archives
- (c) Military History Institute
- (d) U.S. Army Center for Military History
- (e) Naval Historical Center
- (f) Explosive Ordnance Disposal Units
- (g) Interviews with site related personal

For a complete list of sources checked, see Appendices A and B, Sections II and III.

(3) The only OE related information that could be located was obtained through interviews and the on site investigation. These sources show the existence of a small arms range in the area of the airport. Although no records could be found to support this, the SI team interviewed a Mr. Tom Wacker, who rents the original hanger that was built by the Army Air Corp. He stated that he had found several 30-06 shell casings in an area that the SI team found several anomalies with a NFX White metal detector (see interview I-3).

(4) The Department of the Navy used 369 acres for an x-ray laboratory used to x-ray torpedoes and other large explosive devices. There was also a small explosive storage bunker associated with this area that was used to store explosive components (see Documents E-7, E-12 and photograph K-2)

(5) The SI team also found a small depression in the ground labeled by the parks department as a canon emplacement. This area is right off the parade grounds and is approximately 7 feet square and 4 feet deep. It is suspected that this earthwork held one civil war era cannon that was only used for ceremonial purposes.

(6) During the site investigation the SI team found a small burn area. This area was made up of 1875 to 1885 era small arms brass and lead slag. This area was approximately 6 feet by 6 feet.

c. Other Potential Areas of Environmental Interest

There are no other known environmental hazards at the former Fort Townsend.

d. Interviews

(1) Mr. Bassett stated that he was stationed at a Navy base called the Explosives Investigation Laboratory during most of WWII. He stated that they X-rayed foreign torpedos, sea mines, depth charges and other large explosive items to insure that they were not booby-trapped before disassembly.

(2) At the end of the war, Mr. Bassett stated his unit took all the explosive components and several firearms and destroyed them on the beach area directly east of the barracks. This action threw material around the area starting several small fires on the adjacent cliff side. The Port Townsend Fire Department was called to help extinguished them (see document H-1).

(3) Ranger Wiggins is in charge of the Old Fort Townsend State Park. On 9 July, he accompanied the SI team on the first leg of the on site investigation showing the team the beach area that belonged to the parks department. He also took the team to the site of the explosives bunker. Mr. Wiggins stated that he had been in charge of the park for the last seven years and had never seen or heard of any OE related material being found on or around the Fort area.

He also stated that the only endangered species on the park was an occasional Bald Eagle (see document H-2).

(3) Mr. Wacker is the owner and operator of Tailspin Tommy's which is the maintenance company that is operated out of the only hanger the military left on the site. Mr. Wacker stated to the SI team that he had done some extensive metal detecting on the airport over the years and the only OE related material he had ever found was 30-06 rifle brass with military head stamps from the late 30's to early 40's. He also showed the SI team the general layout of the old airstrip.

5. SITE ELIGIBILITY

a. **Confirmed Formerly Used Defense Sites**

(1) The War Department usage of this site is discussed in sections 2a and 3a of this report. The U.S. Army through an executive order acquired the site on 29 January 1859 (see document E-3).

(2), The fort was put into caretaker status on two separate occasions. The first time was in 1861 when the troops on Fort Townsend were deployed and the fort was sporadically garrisoned by volunteers. The fort remained unmanned until July 17, 1874, when it was again manned. On April 1, 1895, the fort was again put in to caretaker status and remained that way until May 15, 1930, when the fort was transferred to the Department of the Navy (see document E-7).

(3) The fort was listed as excess to the needs of the government on May 24, 1944. The airfield was transferred to Jefferson County in 1946 and the rest of the fort was sold to the state of Washington in 1958 for use as a state park (see documents E-9 and E-10).

b. **Additional Confirmed FUDS Acreage**

No additional confirmed FUDS acreage was identified during this investigation.

c. **Potential Formerly Used Defense Sites**

No potential FUDS sites were identified during this investigation.

6. VISUAL SITE INSPECTION

a. **General Procedures and Safety**

(1) From 9 July through 13 July 2003, members of the ASR research team traveled to the former Fort Townsend. The site sits just east and off of state road 20. The primary task of the site inspection team was to assess the former site for OE presence. The on-site inspection was limited to non-intrusive methods in that subsurface sampling was not authorized nor permitted. A site safety plan was developed and was utilized by the assessment team to assure safety from injury during the site inspection (reference B-3). A pre-inspection briefing was conducted which stressed that OE should only be handled by military EOD personnel.

(2) Prior to the on-site visit, a thorough review of all available reports, historical documents and available reference material gathered during the archival search was reviewed to ensure awareness of potential ordnance usage and types.

b. **Site Inspection Synopsis**

(1) The state park portion of the former Fort Townsend site was visited on July 9th and 13th. On the morning of the 9th the SI team was accompanied by Park Ranger Wiggins, who showed the team the beach area that belongs to the park, the park boundaries and the explosives bunker that was built by the navy. (See photograph J-7).

(2) The parade and cliff paths were the first areas inspected by the SI team. Although nothing was found in the open area of the parade ground, several pieces of 1800's area rifle and pistol brass were located along the trails that run along the top of cliff. (See photo K-1)

(3) The beach can be accessed at only one point along the shoreline; due to extreme erosion of the beach. The beachfront was inspected extensively, with extra emphasis put on the area directly east of what used to be the location of the barracks during WWII. This area had been reported to the SI team as the location of several "clean-up" shots during the closing of the Explosive Investigations Laboratory. This information was told to the SI team by a Mr. Doug Bassett, who was present for these "clean-up" shots (see interview H-1 and document E-12). There were no OE, OE related material or significant magnetic anomalies noted in these areas (see photos K-6, K-7, K-8 and K-9).

7. SITE OE/CWM TECHNICAL DATA

a. **OE and CWM Ordnance**

(1) The only OE related material located during this investigation was small arms brass which does not constitute any hazard.

(2) Table 7-1 has been developed to establish a list of possible ordnance items that may have been used on the former Fort Townsend. The model numbers used to delineate possible types are speculative and are based on common models that existed during World War II.

TABLE 7-1 AMMUNITION USED AND EXPLOSIVE/CHEMICAL FILLERS			
ITEM	TYPE/MODEL	FILLER/WEIGHT	FUZE TYPE
Small arms	45-70	Black Powder	None
	30-06	Black Powder	None

b. **Chemical Data of Ordnance Fillers**

Table 7-2 is a listing of chemical fillers for the ordnance listed in Table 7-1 (Table is for reference only and does not indicate OE presence on site).

TABLE 7-2 SUMMARY OF SITE ORDNANCE FILLERS		
EXPLOSIVE MATERIAL	SYNONYMS	CHEMICAL COMPOUNDS
Black Powder		
75% Potassium Nitrate	Salt Peter, Niter	KNO ₃
10% Sulfur		S
15% Charcoal		C

8. EVALUATION OF ORDNANCE PRESENCE

a. **General Procedures**

(1) Each sub-site was evaluated to determine confirmed, potential, or no ordnance presence.

(2) **Confirmed** ordnance and explosives (OE) presence is based on verifiable historical record evidence or direct witness of OE items (with explosive components and/or inert debris/fragments) since site closure.

Additional field data is not needed to identify a confirmed site.

(a) Verifiable historical record evidence is based on OE items actually seen on site since site closure and authenticated by: historical records (Archive Records, Preliminary Assessment Reports, Site Investigation Reports), local fire departments and law enforcement agencies/bombs squads, military Explosive Ordnance Disposal (EOD) Units, newspaper articles, photographs, or maps.

(b) Direct witness of OE items consists of the site inspection team(s) and other credible witnesses as determined by the ASR Research Team Leader (landowners, workers on-site, soldiers who served there, etc.) verifying that they have seen OE presence on the surface or subsurface since site closure.

(3) **Potential** ordnance and explosives (OE) presence is based on a lack of confirmed OE presence. Potential OE presence is inferred from records, present day site features, non-verifiable direct witness, or indirect witness. Additional field data are needed to confirm potential OE sites.

(a) Inference from historical records is based on no OE items actually seen on site since site closure and would include documentation (records, aerial photographs, maps) indicating possible OE presence derived from common practice in production, storage, use, or disposal at that time and from records indicating known OE usage.

(b) Inference from present day site features would be the indication of possible OE presence from such obvious features as target circles, depressions, mounds/backstops, OB/OD areas/pits, etc.

(c) Indirect witnesses would be people who have stated that they have heard of OE presence on-site (hear-say evidence).

(4) **No ordnance presence** is based on a lack of confirmed or potential ordnance presence. Additional field data are not needed to assess no ordnance sub-sites. There is no evidence to indicate or suggest the existence of present day ordnance. The entire site is considered to have **no ordnance presence**.

b. **Site Specific Areas**

(1) Possible Small Arms Range, Area A. This area could not be confirmed through any official documentation. Only one interviewee suggested its existence. Based on this, the fact that small arms is not considered ordnance for this report and all other available information, it can be concluded that this area is considered to have **no ordnance presence.**

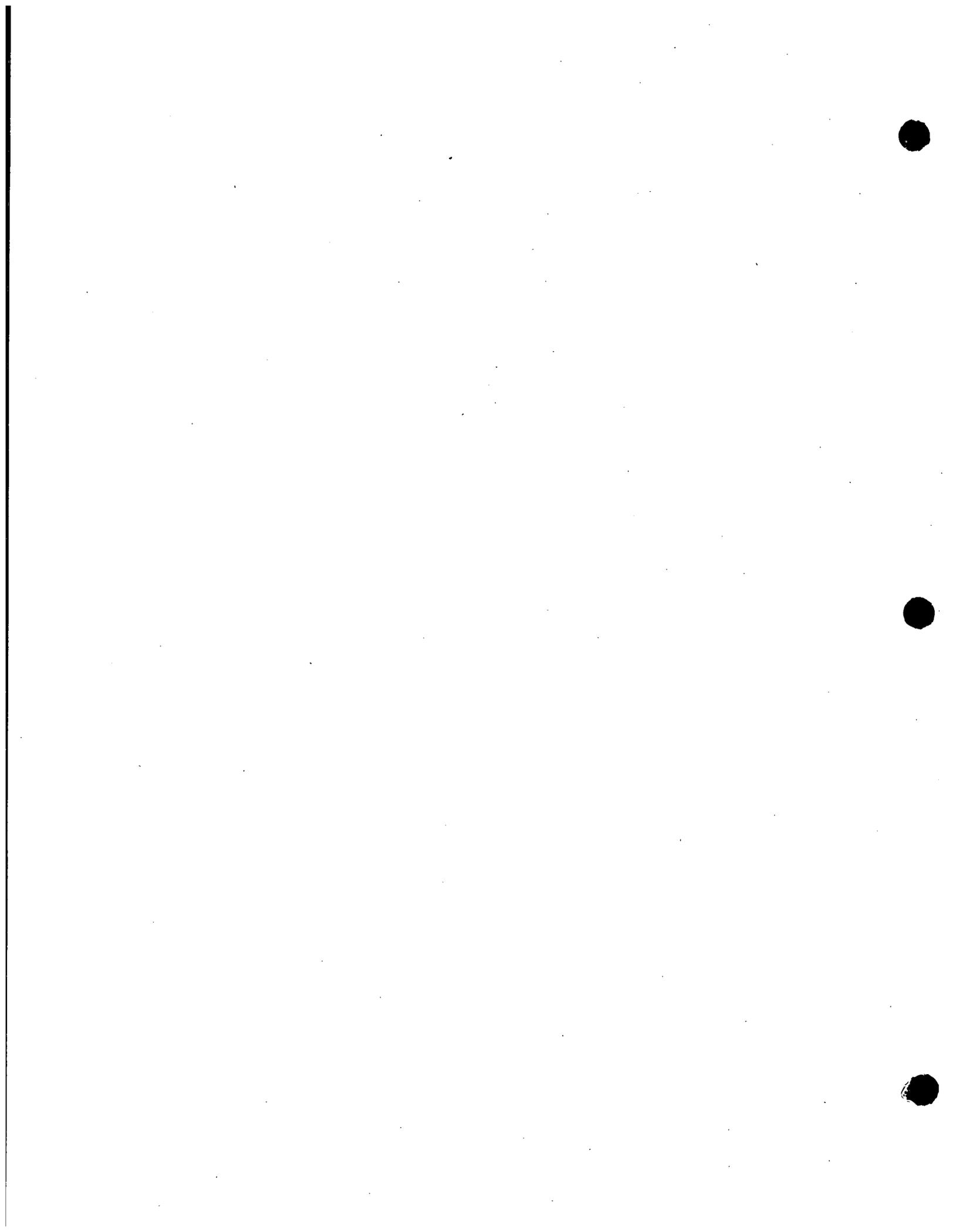
(2) Burn Pit, Area B. Based on all available information, this area contained only small arms, so it can be concluded that this area is considered to have **no ordnance presence.**

(3) Demo Area, Area C. This area was extensively searched with a magnetometer with no anomalies noted. Due to this fact, and the fact that the SI team used a period photo of detonations that occurred here and the interview with Mr. Doug Bassett, that conducted the demo operations, to locate the exact site and found nothing to indicate the presence of any OE related material this area is considered to have **no ordnance presence.**

(4) Remaining Lands, Area D. this area is considered to have **no ordnance presence.**

ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
FORT TOWNSEND
PORT TOWNSEND, WASHINGTON
PROJECT NUMBER F10WA032201

APPENDIX A
REFERENCE SOURCES



**FORT TOWNSEND
JEFFERSON COUNTY
PORT TOWNSEND, WA**

ORGANIZATION	NAME	TELEPHONE	NATURE OF SUPPORT
<u>GOVERNMENT SOURCES</u>			
FEDERAL AGENCIES			
Department of Defense			
Defense Technical Information Center & Secure STINET 8725 John J. Kingman Rd Suite 0944 Fort Belvoir, VA 22060-6218	Computer Search	(703) 427-8274	No site-specific information.
Department of Defense Explosives Safety Board Historical Accident Database 2461 Eisenhower Ave Alexandria, VA 22331	Computer Search	(703) 325-1369	No site-specific information.
National Imagery and Mapping Agency Attn: ISDFR 4600 Sangamore Rd Bethesda, MD 20816	Bill Harris	(301) 227-7386	No site-specific information.
Department of the Army			
EOD 63 rd Ord Co. Bldg 5634 Fort Dix, NJ 08640	MSG Hartman NCOIC	(309) 944-5357	No site-specific information.
HQ, USACE-Office of History Humphreys Engineer Center Attn: CEHO-ZA 7701 Telegraph Rd Alexandria, VA 22310	Staff	(703) 428-6554	See Appendix B, Section II, Parts A and B
IOC Historical Office Attn: AMSIO-PA Bldg. 390 Rock Island, IL 61299	Tom Slattery	(309) 782-1450	No site-specific information.

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ORGANIZATION	NAME	TELEPHONE	NATURE OF SUPPORT
<u>GOVERNMENT SOURCES</u>			
FEDERAL AGENCIES			
Department of the Army (Continued)			
MANSCEN Library 597 Engineer Loop Bldg 3202, Suite 200 Ft Leonard Wood, MO 65473-8928	Joyce Waybright	(573) 563-4109	No site-specific information.
Rock Island Arsenal Museum Attn: SIORI-CFS-M Bldg. 60 Rock Island, IL 61299-5000	Chris Leinicke	(309) 782-5021	No site-specific information.
U.S. Army Center of Military History 103 Third Ave. Fort McNair Washington, DC 20319-5058	Staff	(202) 685-2733	See Appendix B, Section II, Parts A and B
U.S. Army Military History Institute Reference Library 22 Ashburn Drive Carlisle Barracks Carlisle, PA 17013-5008	Louise Friend	(717) 245-3103	No site-specific information.
U.S. Army Military History Institute Archives 22 Ashburn Drive Carlisle Barracks Carlisle, PA 17013-5008	David Keough	(717) 245-3189	No site-specific information.
U.S. Army Military History Institute Photo Archives 22 Ashburn Drive Carlisle Barracks Carlisle, PA 17013-5008	Mike Winey	(717) 245-3434	No site-specific information.

**FORT TOWNSEND
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ORGANIZATION	NAME	TELEPHONE	NATURE OF SUPPORT
<u>GOVERNMENT SOURCES</u>			
FEDERAL AGENCIES			
Department of the Army (Continued)			
U.S. Army Ordnance Museum Aberdeen Blvd. Bldg. 2601 Aberdeen PG, MD 21005-5201	Dr. Atwater	(410) 278-3602	No site-specific information.
U.S. Army SBCCOM Attn: AMSSB-SCI-H 5232 Fleming Rd Aberdeen PG, MD 21010	Kathleen Ciolfi	(410) 436-4430 DSN 584	No site-specific information.
USACE New England District 696 Virginia Rd Concord, MA 01742-2751	Anne Laster Real Estate Division	(978) 318-8584	See Appendix B, Section II, Parts A and B
USACE New England District 696 Virginia Rd Concord, MA 01742-2751	Dave Larsen Planning Division	(978) 318-8113	See Appendix B, Section II, Parts A and B
Department of the Air Force			
Air Force Historical Research Agency Information Systems Division 600 Chennault Circle Bldg 1405 Maxwell AFB, AL 36112-6424	Sheila Roten	(334) 953-6884	No site-specific information.
Air Force Historical Research Agency Research Division 600 Chennault Circle Bldg 1405 Maxwell AFB, AL 36112-6424	Ann Webb Joe Caver	(334) 953-5834	No site-specific information.

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ORGANIZATION	NAME	TELEPHONE	NATURE OF SUPPORT
<u>GOVERNMENT SOURCES</u>			
FEDERAL AGENCIES			
Department of the Air Force (Continued)			
Air University Library 600 Chennault Circle Bldg 1405 Maxwell AFB, AL 36112-6424	Reference Services	(334) 953-2888	No site-specific information.
Department of the Navy			
EOD Mobile Unit (MU) #2 1176 Howell St Newport, RI 02841	Lt. Lyon	(401) 832-3301	No site-specific information.
Marine Corps Historical Center Washington Navy Yard 901 M St., SE Washington, DC 20374-5040	Staff	(202) 433-3447	See Appendix B, Section II, Parts A and B
Naval Construction Battalion Center (NCBC) NAVFAC Historian Office CB Logistics Center, Code 09 (Bldg 99) 4111 San Pedro St. Port Hueneme, CA 93043	Carol Marsh	(805) 982-5563	See Appendix B, Section II, Parts A and B
Naval Construction Battalion Center Technical Information Center Attn: Code 72 1100 23 rd Ave Port Hueneme, CA 93043	Brian Thompson	(805) 982-1124	No site-specific information.

**FORT TOWNSEND
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ORGANIZATION	NAME	TELEPHONE	NATURE OF SUPPORT
<u>GOVERNMENT SOURCES</u>			
FEDERAL AGENCIES			
Department of the Navy (Continued)			
Naval Historical Center Washington Navy Yard Navy Department Library 901 M St., SE Washington, DC 20374-5060	Staff	(202) 433-4132	See Appendix B, Section II, Parts A and B
Naval Historical Center Washington Navy Yard Naval Aviation History Branch 901 M St., SE Washington, DC 20374-5060	Staff	(202) 433-4407	See Appendix B, Section II, Parts A and B
Naval Historical Center Washington Navy Yard Operational Archives 901 M St., SE Washington, DC 20374-5060	Staff	(202) 433-2833	See Appendix B, Section II, Parts A and B
U.S. Naval War College Archives 686 Cushing Rd Newport, RI 02841-1207	Dr. Evelyn	(401) 841-2435	See Appendix B, Section II, Parts A and B
U.S. Naval War College Library 686 Cushing Rd Newport, RI 02841-1207	Alice Juda	(401) 841-4551	No site-specific information.
U.S. Naval War College Museum 686 Cushing Rd Newport, RI 02841-1207	Tony Nicolosi	(401) 841-4052	No site-specific information.

**FORT TOWNSEND
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ORGANIZATION	NAME	TELEPHONE	NATURE OF SUPPORT
<u>GOVERNMENT SOURCES</u>			
FEDERAL AGENCIES			
National Archives Federal Records Administration			
NARA-Archives I (Old Military and Civil Textual Division) Pennsylvania Ave. and 7 th St., NW Washington, DC 20408	Staff	(202) 208-1903	See Appendix B, Section II, Parts A and B
NARA-Archives II (Cartographic & Architectural Branch) 8601 Adelphi Rd College Park, MD 20740	Staff	(301) 713-7040	See Appendix B, Section II, Parts A and B
NARA-Archives II (Motion Picture, Sound, and Video Branch) 8601 Adelphi Rd College Park, MD 20740	Staff	(301) 713-7060	See Appendix B, Section II, Parts A and B
NARA-Archives II (Still Picture Branch) 8601 Adelphi Rd College Park, MD 20740	Staff	(301) 713-6660	See Appendix B, Section II, Parts A and B
NARA-Archives II (Textual Reference Branch) 8601 Adelphi Rd College Park, MD 20740	Staff	(301) 713-7250	See Appendix B, Section II, Parts A and B
NARA-Northeast Region (Boston) 380 Trapelo Rd Waltham, MA 02154	Joan Gearin	(781) 647-8102	See Appendix B, Section III, Parts A and B.

**FORT TOWNSEND
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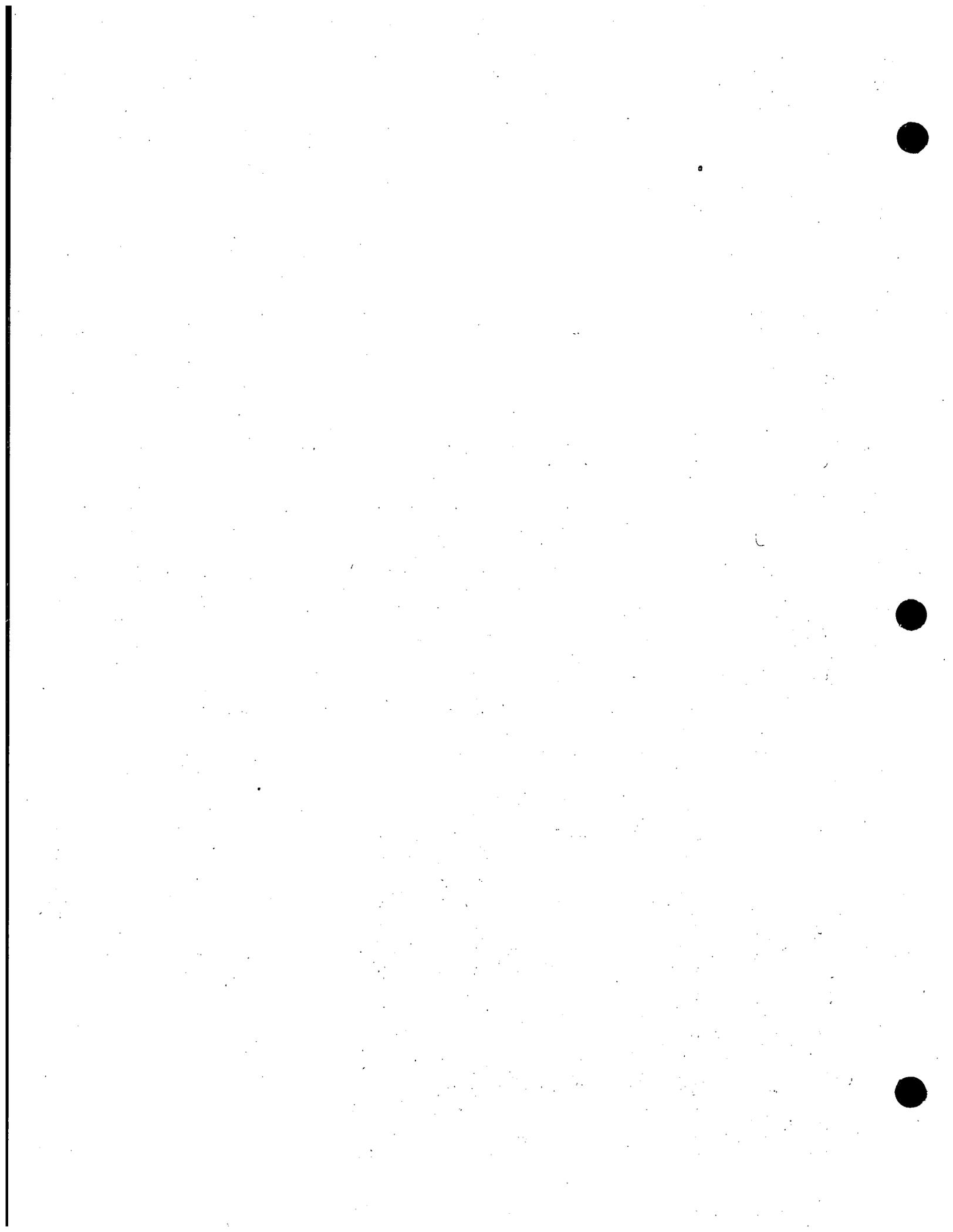
ORGANIZATION	NAME	TELEPHONE	NATURE OF SUPPORT
<u>GOVERNMENT SOURCES</u>			
FEDERAL AGENCIES			
National Archives Federal Records Administration (Continued)			
National Personnel Records Center (Military Personnel Records) 9700 Page Ave St. Louis, MO 63132	John Daly	(314) 538-4085	See Appendix B, Section III, Parts A and B.
Washington National Records Center 4205 Suitland Rd Suitland, MD 20746-8001	Staff	(301) 457-7190	See Appendix B, Section II, Parts A and B
Library of Congress			
Library of Congress Prints and Photographs Division 101 Independence Ave., SE Washington, DC 20540-4650	Staff	(202) 707-5000	See Appendix B, Section II, Parts A and B
Library of Congress Geography and Map Division 101 Independence Ave., SE Washington, DC 20540-4650	Staff	(202) 707-5000	See Appendix B, Section II, Parts A and B
Department of Commerce			
USGS Denver Federal Center P.O. Box 25286 Denver, CO 80225	Customer Service	(303) 202-4700	No site-specific information.
State			
USDA Natural Resources Conservation Service Port Hadlock Program Delivery Point 205 W Patison St. Hadlock, WA 98339	Al Lathem	(360) 385-4105	Sent soil survey for Jefferson County.

FORT TOWNSEND
JEFFERSON COUNTY
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ORGANIZATION	NAME	TELEPHONE	NATURE OF SUPPORT
<u>GOVERNMENT SOURCES</u>			
FEDERAL AGENCIES			
Department of Commerce			
USDA Consolidated Farm Service Agency 528 91 st Ave, NW Suite C Everett, WA 98205	Naomi	(425) 334-2828	Aerial photos for Jefferson County.
NOAA National Climatic Data Center Federal Bldg. Asheville, NC 28801	Sam McCowan Yolanda Goosch	(704) 271-4272	See Appendix B, Section II, Parts A and B
STATE AGENCIES			
Washington State Parks Fort Worden	Staff	(360) 344-4400	No site-specific information.
Washington State Parks Fort Flagler	Staff	(360) 385-1259	No site-specific information.
County			
Jefferson County Assessor Courthouse Port Townsend, WA 98368	Staff	(360) 385-9105	Ownership information.
Jefferson County Library 620 Cedar Ave. Port Hadlock, WA 98339	Staff	(360) 385-6544	No site-specific information.
Jefferson County Sheriff 81 Elkins Road Port Hadlock, WA 98339	Staff	(360) 385-3831	No site-specific information.

FORT TOWNSEND
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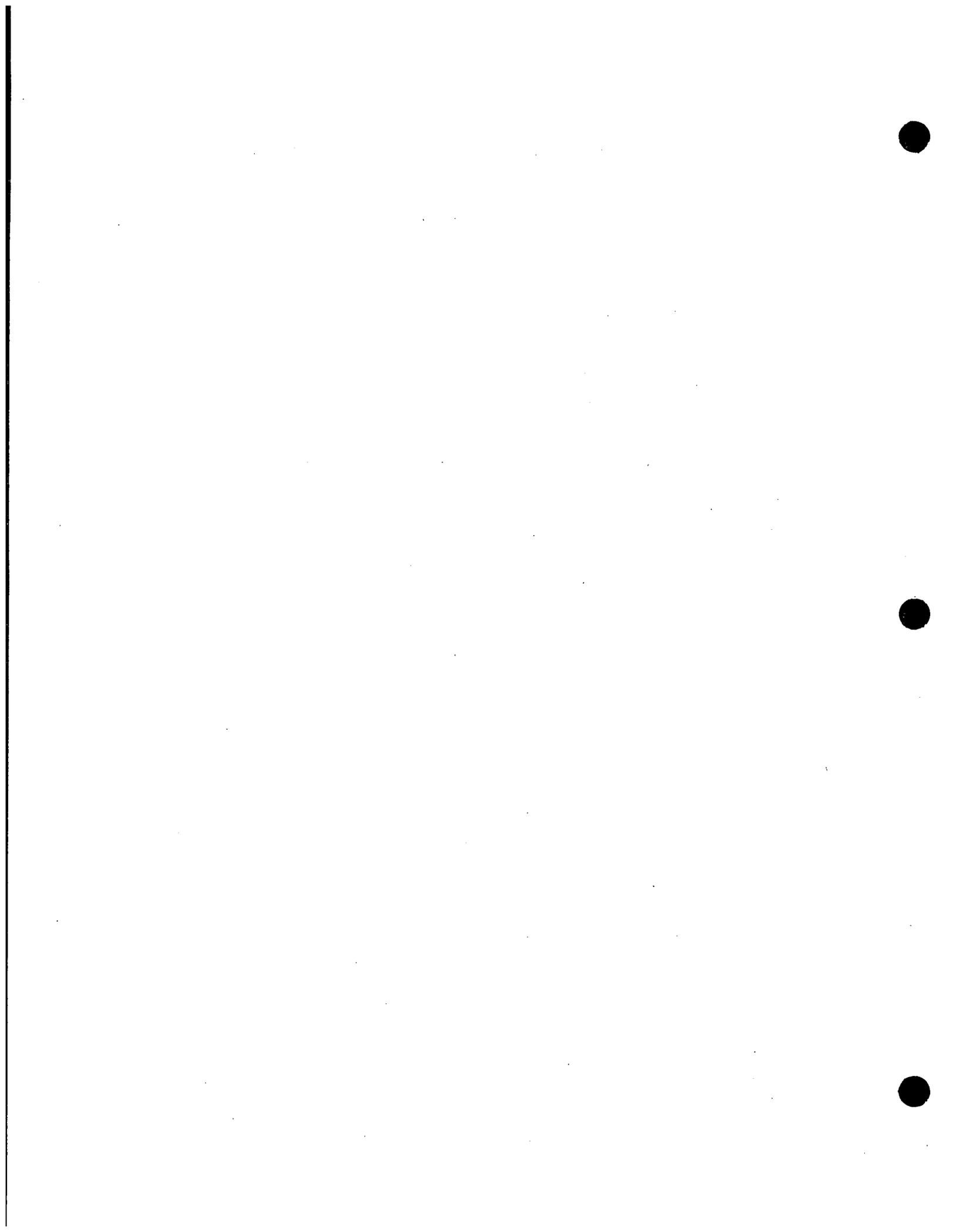
ORGANIZATION	NAME	TELEPHONE	NATURE OF SUPPORT
<u>GOVERNMENT SOURCES</u>			
STATE AGENCIES			
State (Continued)			
Jefferson County Historical Society Museum/Richard F. McCurdy Historical Research Library 540 Water St. Port Townsend, WA 98368	Staff	(360) 385-1003	No site-specific information.
<u>NON GOVERNMENT SOURCES</u>			
Local			
Port Townsend Library 1220 Lawrence St. Port Townsend, WA 98368	Staff	(360) 385-5805	No site-specific information.
Port Townsend Police Department 607 Water St. Port Townsend, WA 98368	Staff	(360) 379-4438	No site-specific information.
Puget Sound Coast Artillery Museum 200 Battery Way Port Townsend, WA 98368	Staff	(360) 385-0373	No site-specific information.



ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
FORT TOWNSEND
PORT TOWNSEND, WASHINGTON
PROJECT NUMBER F10WA032201

APPENDIX B

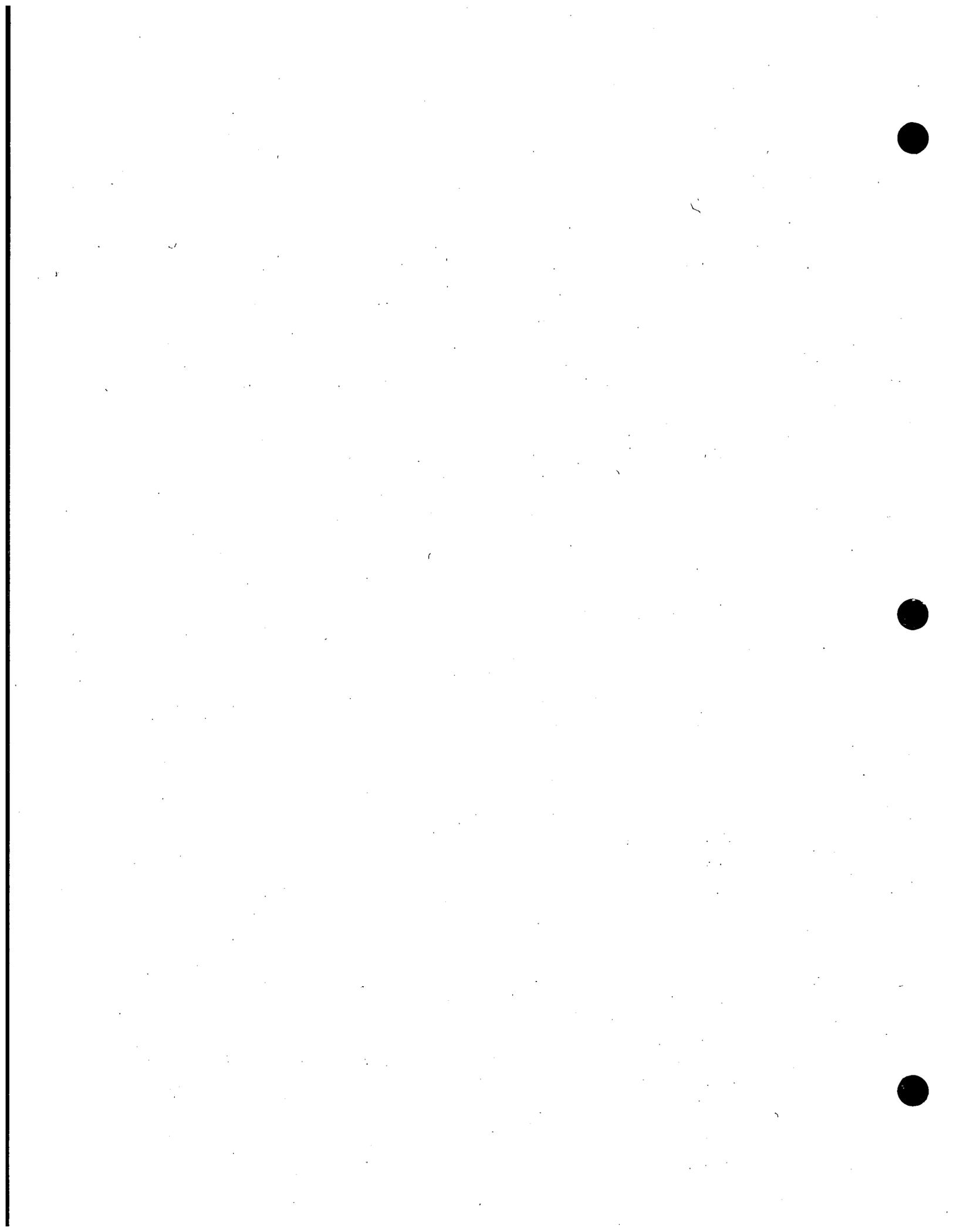
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B-2 CEHND 1105-3-9, U.S. Army Corps of Engineers, Huntsville Division, US Army Corps of Engineers, Management Plan for Ordnance and Explosive Waste (OE) Mandatory Center of Expertise (MCX and Design Center, 10 August 1992. (Not included in this ASR)

B-3 Site Safety Plan for OE Investigations, U.S. Army Corps of Engineers, Rock Island District, dated August 1992, w/Appendix A-244. (Not included in this ASR)

B-4 ORDATA II, version 1.0, Enhanced International Deminers' Guide to UXO Identification Recovery and Disposal, Naval EOD Technology Division, Indianhead, MD. (Not included in this ASR)

B-5 Climate of Washington, National Oceanic and Atmospheric Administration, June 1982.

B-6 Inventory Project Report for project number F10WA032201. Fort Townsend Washington. (E-1)

B-7 2nd site visit for Fort Townsend IMPR. (E-2)

B-8 Early history of Fort Townsend Washington 1857 to 1859., NARA I, RG 94 Record of the Adjutant General's Office, Entry 464, Box 107. (E-3)

B-9 Report relative to condition of Fort Townsend on September 22, 1872. NARA I, Record of the Quartermaster General's Office, Entry 225, Box 1144. (E-4)

B-10 Report relative to condition of Fort Townsend on April 11, 1882 all showing no gun emplacements. NARA I, Record of the Adjutant General's Office RG 94, Entry 464, Box 107. (E-5)

B-11 Correspondence record permitting construction of landing field Fort Townsend. NARA I, Record of the Adjutant General's Office RG 94, Entry 464, Box 107 (E-6)

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B-12 October 24, 1942 transfer of 396 acres to Department of the Navy. NARA I, RG 71, Entry 464, Box 107 (E-7)

B-13 Letter showing the Navy permitting the landing field to be transferred to a municipal landing field also shows that the X-ray had already been shutdown by October 2, 1945. NARA I, RG 71, Entry 464, Box 107. (E-8)

B-14 Declaration of surplus real property dated 31 Oct 1946. NARA I, RG 71, Entry 464, Box 112. (E-9)

B-15 Memorandum of understanding showing Transfer of all acreage associated with the airport to Jefferson County dated October 1946. NARA I, RG 71, Entry 464, Box 1388 (E-10)

B-16 Letter showing transfer of Explosive Investigations Laboratory to the Coast Guard Dated June 30, 1948. NARA I, RG 71, Entry 464, Box 1388 (E-11)

B-17 Correspondences with a Mr. Doug Bassett pertaining to the detonation of explosive components at the former Fort Townsend. . (E-12)

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B-19 Photo of Fort Townsend taken some time between 1870 and 1880. Jefferson County Historical Society (F-2)

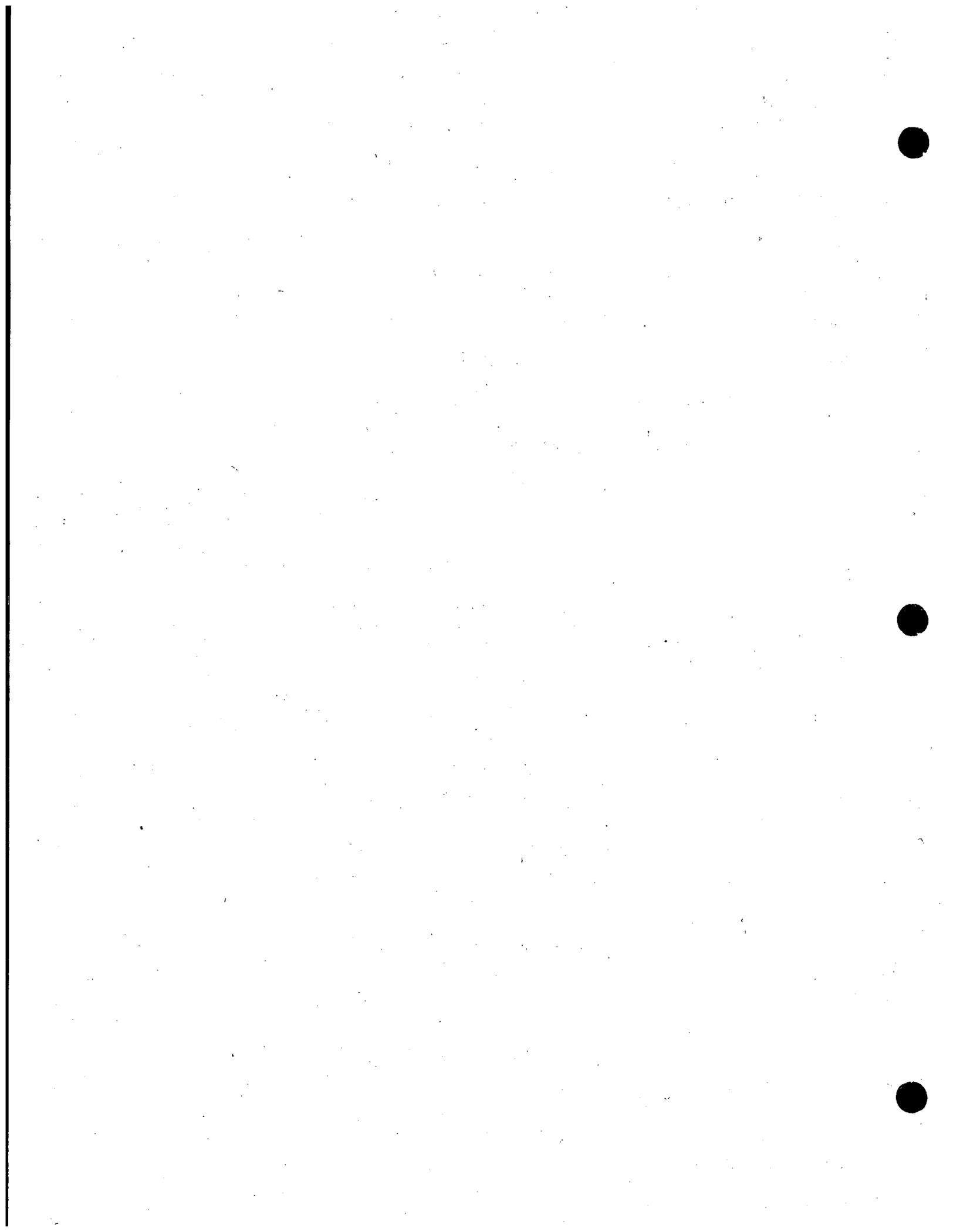
B-20 Photograph of one of the clean-up detonations conducted on the beach during the base closure. Doug Bassett Denver Colorado(F-3)

B-21 Map of Fort Townsend circa 1912. NARA II, RG 92, Entry 1891, Box 2222 (G-1)

B-22 As built map for the landing field at Fort Townsend, circa 1939. NARA II, RG 77, Drawer 189, sheet (G-2)

B-23 Map of Explosives Investigation Laboratory showing site layout CIRCA 1944. NARA II, RG 77, Drawer 189, sheet 24-4 (G-3)

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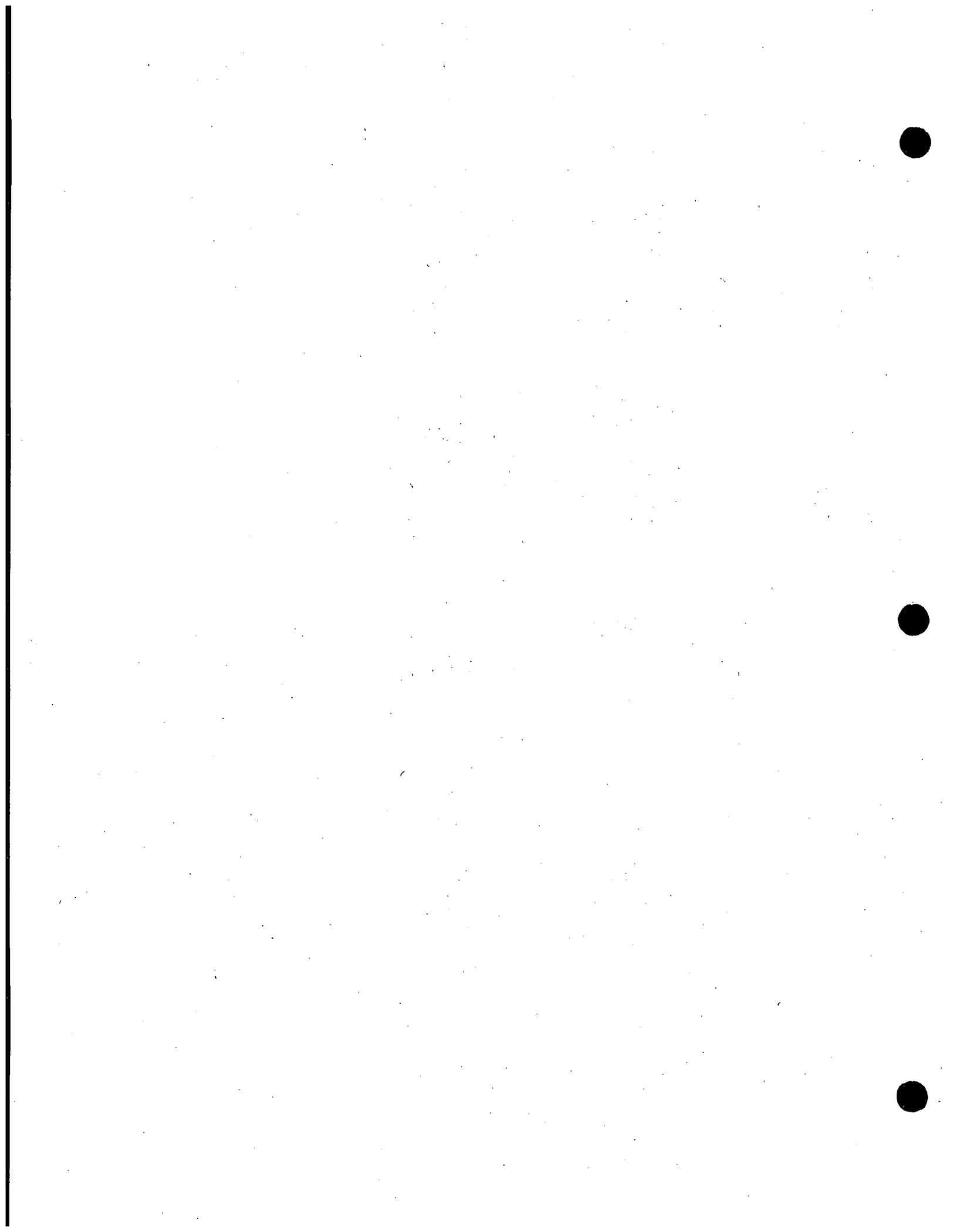
SECTION II

NATIONAL CAPITAL REGION ARCHIVES FINDINGS

PART A

POSITIVE FINDINGS

FORT TOWNSEND, WA



SECTION II
NATIONAL CAPITAL REGION ARCHIVES FINDINGS
PART A
POSITIVE FINDINGS

FORT TOWNSEND, WA

Also Researched Under: Harbor Defenses of Puget Sound, WA;
Jefferson County, WA; and Olympic Peninsula, WA

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Entry 225: QM Consolidated Correspondence File, 1794 - 1890
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Entry 464: Reservation File, Early 1800's - 1916
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Brief, In the Matter of Proposed Abandonment of Forts
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Entry 464: Reservation File, Early 1800's - 1916
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Description and Brief History, Fort Townsend, Washington
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Letter Relative to Proposed Vacation of Portion of Fort
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9 June 1890

Entry 464: Reservation File, Early 1800's - 1916
Box 107

Letter Relative to Recommendations that Fort Townsend Be
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Box 107

Letter Relative to the Possible Abandonment of Fort
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1882

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Description and Plot, That part of Fort Townsend
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Letter Relative to Declaration of Former U.S. Naval
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Letter Relative to Proposed Establishment of Municipal Landing Field at Fort Townsend on Land Adjacent to that Part of Site Used by U.S. Navy for Explosives Investigation Laboratory, 2 October 1945

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Letter Relative to Status of Washington Area U.S. Naval Installations, Including Naval Explosives Investigation Laboratory, Fort Townsend, Washington, 8 May 1948

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Letter Relative to Transfer of Portion of Fort Townsend, Washington Military Reservation to Navy Department, 7 December 1944

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Correspondence Relative to Proposed Use of Fort Townsend Auxiliary Landing Field by Port Angeles Flying Club, 23 June - 24 August 1939

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Endorsement Relative to Proposed Establishment of Landing Field at Fort Townsend for Training Purposes, 16 June 1930

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Endorsements Relative to Status of Fort Townsend Military Reservation, 20-23 September 1930

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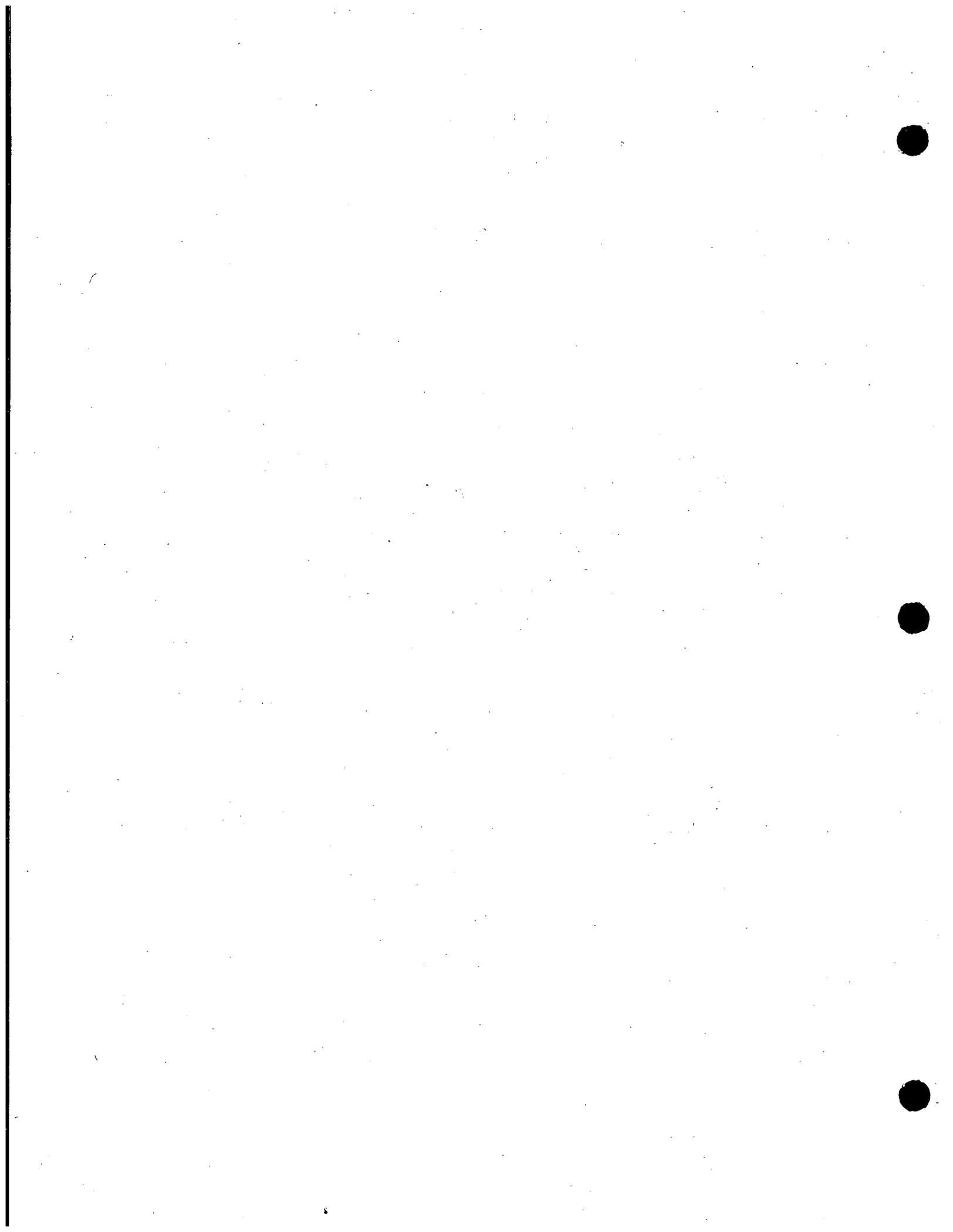
SECTION II

NATIONAL CAPITAL REGION ARCHIVES FINDINGS

PART B

NEGATIVE FINDINGS

FORT TOWNSEND, WA



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NATIONAL CAPITAL REGION ARCHIVES FINDINGS
PART B
NEGATIVE FINDINGS

FORT TOWNSEND, WA

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Entry 287: General Correspondence, 1919 - 1925

Entry 1058: Annual Reports of Construction and Repair Division, 1903 - 1915

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Entry 169: Correspondence Relating to Camps, 1917 - 1938
Entry 170: Correspondence Relating to Forts, 1917 - 1938
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- RG 35 (Records of the Civilian Conservation Corps)
Entry 115: CCC Camp Inspection Reports, 1932 - 1942
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Entry 398: Annual Reports on Construction, Maintenance, and Repair at Posts, 1924 - 1938

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Entry 255: Reports from Shore Establishments, December 1943 - May 1944

Entry 256: Index to Reports from Shore Establishments, December 1943 - May 1944

Entry 273: General Correspondence, 1947 - 1951

Entry 1318: General Correspondence, 1941 - 1945

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Entry 1892: Classified Geographic File, 1936 - 1945

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Entry 1974: Construction Completion Reports, 1917 - 1919

Entry 1975: Construction Completion Reports, 1917 - 1938

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Entry 102: Project Decimal Files, 1943 - 1946

Entry 158: Special Assistant for Construction - MJ Madigan, General Correspondence, 1940 - 1945

FORT TOWNSEND, WA

- Entry 159: Special Assistant for Construction - MJ
Madigan, Projects, 1940 - 1945
- Entry 211: Establishment of Airfields and Air Bases,
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- Entry 213: Office, Assistant Secretary of War for Air
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- RG 111 (Records of the Office of the Chief Signal Officer)
Entry 1036B: Historical Files, 1908 - 1962
- RG 112 (Records of the Office of the Surgeon General)
Entry 31: Geographic Series, 1938 - 1946
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Entry 80: Title Papers and Site Registers, 1938 - 1943
- RG 127 (Records of the U.S. Marine Corps)
Entry 18A: General Correspondence, Office of the
Commandant, January 1939 - June 1950
- RG 143 (Records of the Bureau of Supplies and Accounts)
Entry 35: Military Construction Program Project Files,
1957 - 1964
- RG 156 (Records of the Office of the Chief of Ordnance)
Entry 36: General Correspondence, 1915 - 1941
Entry 39: Confidential Correspondence, 1917 - 1940
Entry 700: Field Service, Inspection and Investigative
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Entry 1049: Unclassified General Correspondence, 1949
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- RG 159 (Records of the Office of the Inspector General)
Entry 26: General Correspondence, 1939 - 1947
- RG 160 (Records of the Army Service Forces)
Entry 25: Director of Plans and Operations, Liaison
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Entry 138: Readjustment Division, Central Decimal
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- RG 165 (Records of War Department General and Special
Staffs)
Entry 257: Security Classified Correspondence and Maps
Relating to Harbor and Coastal Defense Installations,
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Entry 484C: Legislative and Liaison Division, Card
Files and Approved WPA National Defense Projects, 1941
- 1942
Entry 484D: Federal Works Agency Project Files, 1940 -
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Entry 484E: Security Classified Federal Works Agency
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Entry 484H: Civil Aeronautics Administration Airport
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- RG 168 (Records of the National Guard Bureau)
Entry: Army - NGB Decimal File, 1922 - 1962
- RG 175 (Records of the Chemical Warfare Service)
Entry 1: Central Correspondence Files, 1918 - October
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Entry 1A: Records of The Office of the Chief Chemical
Officer, 1946 - 1954
Entry 2: General Correspondence, 1918 - 1940
Entry 4: General Correspondence, 1918 - 1942
- RG 218 (Records of the Joint Chiefs of Staff)
Entry: Series 1942 - 1959 (Geographic File)
- RG 225 (Records of Joint Army and Navy Boards and
Committees)
Entry 4: General Correspondence, 1922 - 1946
Entry 4A: Army and Navy Munition Board Central Files,
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Entry 5: Security Classified General Correspondence,
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- RG 269 (General Records of the General Services
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Entry 62: Real Property Disposal Case Files

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- RG 270 (Records of the War Assets Administration)
Entry 3: Office of War Information Subject Files, 1946
- 1949
Entry 8: Records of the Real Property Review Board,
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Entry 9: Subject File of the Central Office of Real
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- RG 291 (Records of the Federal Property Resources Service)
Entry 5: Real Property Disposal Case Files
- RG 319 (Records of the Army Staff)
Entry 47: Army Intelligence Project Decimal File, 1941
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Entry 11: Inventories of Military Real Property, 1954
- 1957
- RG 334 (Records of Interservice Agencies)
Entry 15: Armed Forces Explosives Safety Board
- RG 336 (Records of the Office of the Chief of
Transportation)
Entry: Historical Program Files, 1940 - 1950
- RG 337 (Records of Headquarters Army Ground Forces)
Entry 1: Army Field Forces. Headquarters, Chief of
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Entry 29A: Troop Training Division, Maneuvers, Special
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Entry 55: General Correspondence, 1942 - 1945
Entry 55A: Project Decimal File, March 1942 - 1947
Entry 56: Adjutant General Section, Communications and
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Entry 57: General Headquarters, U.S. Army, General
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Entry 57A: General Headquarters, U.S. Army, 1940 -
1942, Projects
- RG 338 (Records of the U. S. Army Commands, 1942, -)
Entry: Unit Histories, 1940 - 1947
Entry 24: Western Defense Command, Central
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FORT TOWNSEND, WA

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Entry 271: 9th Corps Area: Correspondence Relating to Coastal Defense, 1920 - 1939

Entry 272: 9th Corps Area: Correspondence Relating to Harbor Defense Projects, 1922 - 1940

Entry 298: 9th Corps Area: Historical Reports Pertaining to Post Planning, 1899 - 1943

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Entry 37A: Central Decimal Files, Project Files, 1917 - 1925

Entry: 1940 - 1952 Army - AG Project Decimal File, Unclassified

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Entry 366: Special Projects, Harbor Defense, 1929 - 1948

Entry 427: WW II Operations Reports, 1940 - 1948

RG 428 (General Records of the Department of the Navy, 1947 - Present)

Entry: Secretary of the Navy, Correspondence, 1948 - 1951

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RG 71 (Records of the Bureau of Yards and Docks)

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RG 92 (Records of the Office of the Quartermaster General)

RG 145 (Records of the Agricultural Stabilization and Conservation Service)

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RG 370 (Records of the National Oceanic and Atmospheric Administration)
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RG 69 (Records of the Work Projects Administration)
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RG 165 (Records of the War Department General and Special Staffs)
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NAVAL HISTORICAL CENTER - OPERATIONAL ARCHIVES
WASHINGTON, DC

Administrative Histories: The Navy in World War II

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Historical Document Collection
WW II Posts, Camps, and Stations

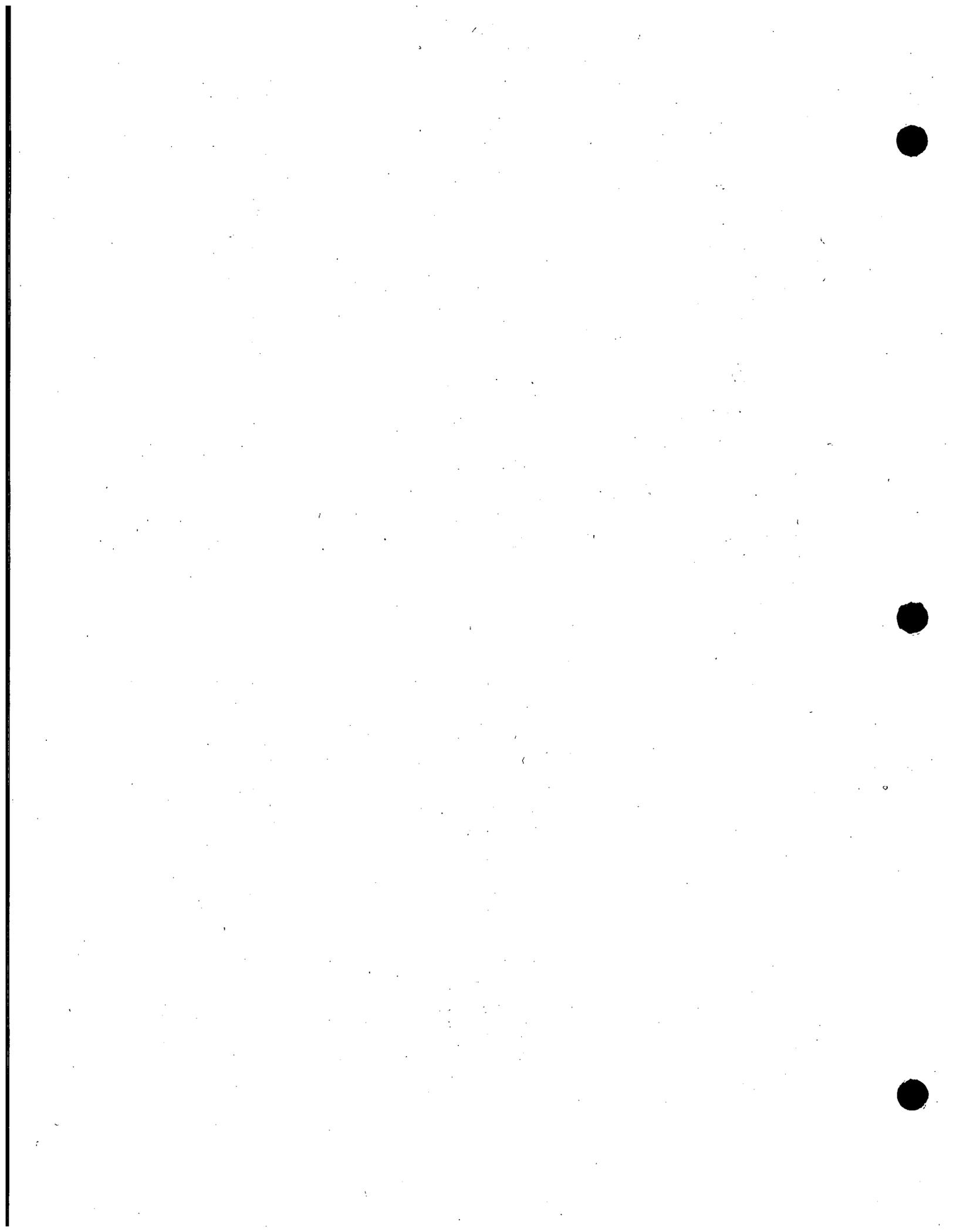
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ALEXANDRIA, VA**

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Map Collection
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Personal Papers Collection

**WASHINGTON NATIONAL RECORDS CENTER
SUITLAND, MD**

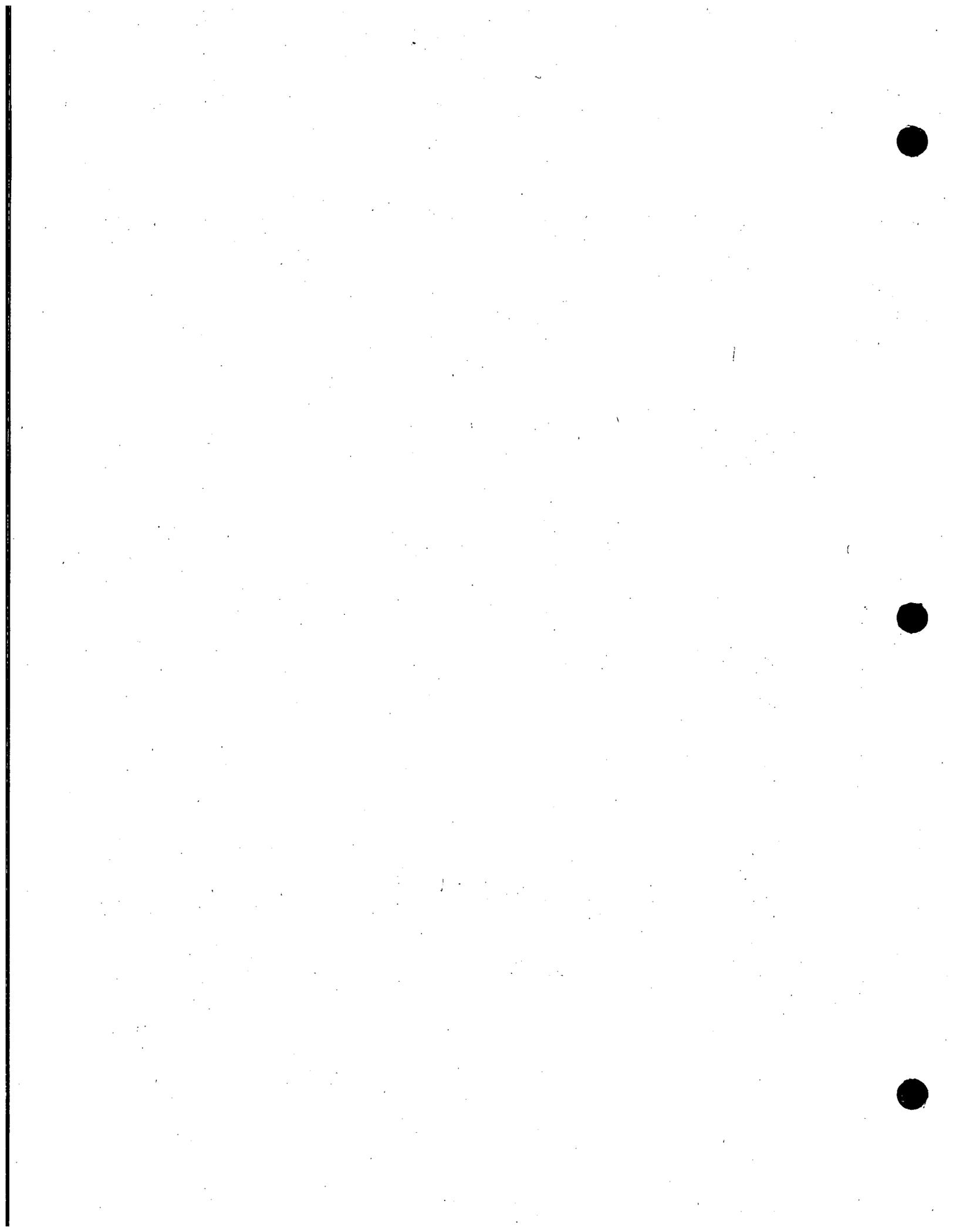
RG 77 (Records of the Office of the Chief of Engineers)
Accession 52 - 0117
Accession 52 - 0434



SECTION III
REGIONAL NATIONAL ARCHIVES FINDINGS
PART A
POSITIVE FINDINGS

FORT TOWNSEND

Not Used



SECTION III
REGIONAL NATIONAL ARCHIVES FINDINGS
PART B
NEGATIVE FINDINGS

FORT TOWNSEND

**NARA, PACIFIC ALASKA REGION (SEATTLE)
SEATTLE, WA**

- RG 30, Records of the Bureau of Public Roads
All Entries
Nothing Found
- RG 49, Records of the Bureau of Land Management
All Entries
Nothing Found
- RG 77, Records of the Office the Chief of Engineers
All Entries
Nothing Found
- RG 103, Records of the Farm Credit Administration
All Entries
Nothing Found
- RG 121, Records of the Public Buildings Service
All Entries
Nothing Found
- RG 156, Records of the Office of the Chief of Ordnance
All Entries
Nothing Found
- RG 181, Records of Naval Districts and Shore Establishments
All Entries
Nothing Found
- RG 269, General Records of the General Services Administration
All Entries
Nothing Found
- RG 270, Records of the War Assets Administration
All Entries
Nothing Found

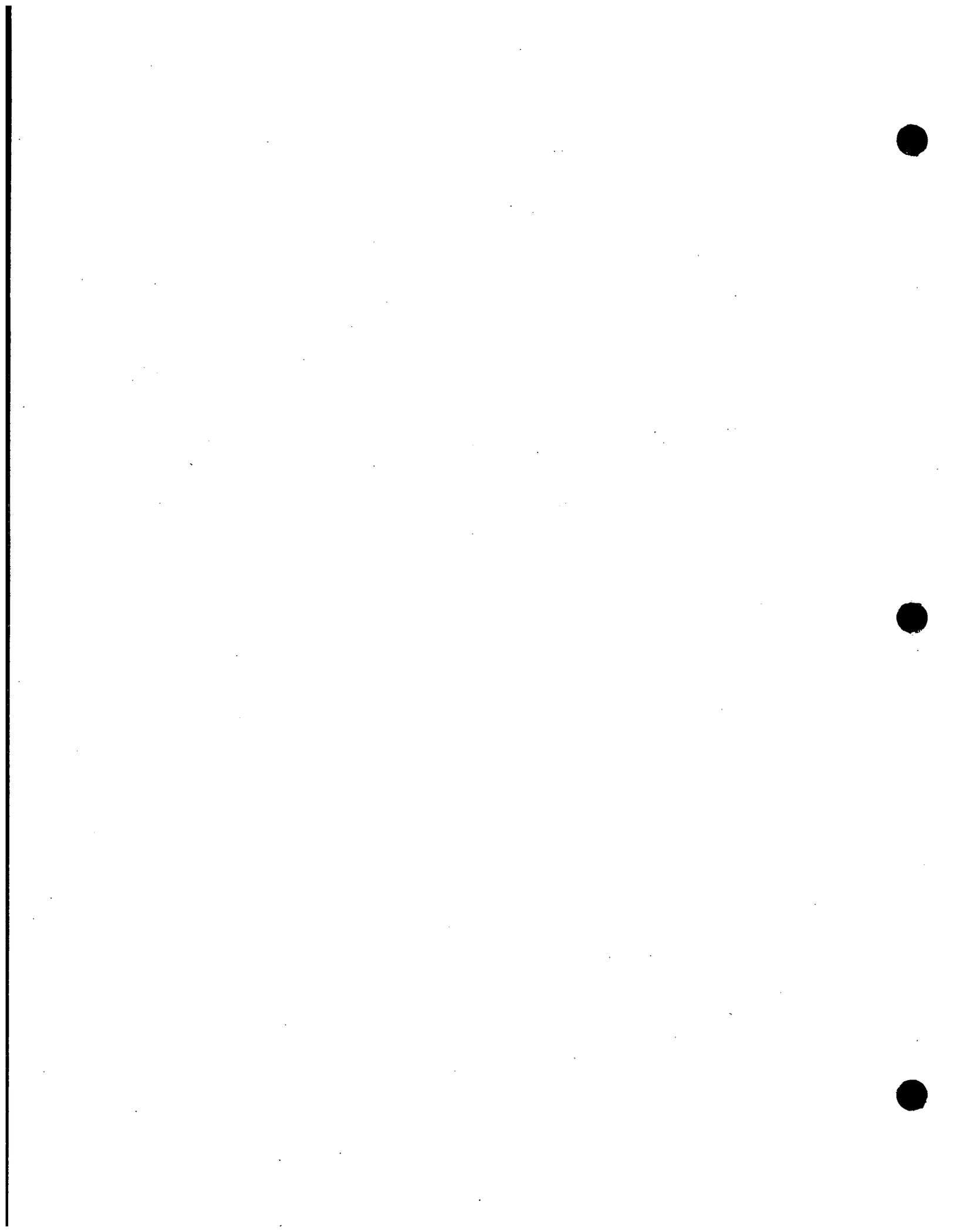
**NARA, NATIONAL PERSONNEL RECORDS CENTER
ST LOUIS, MO**

All Entries
Nothing Found

ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
FORT TOWNSEND
PORT TOWNSEND, WASHINGTON
PROJECT NUMBER F10WA032201

APPENDIX C

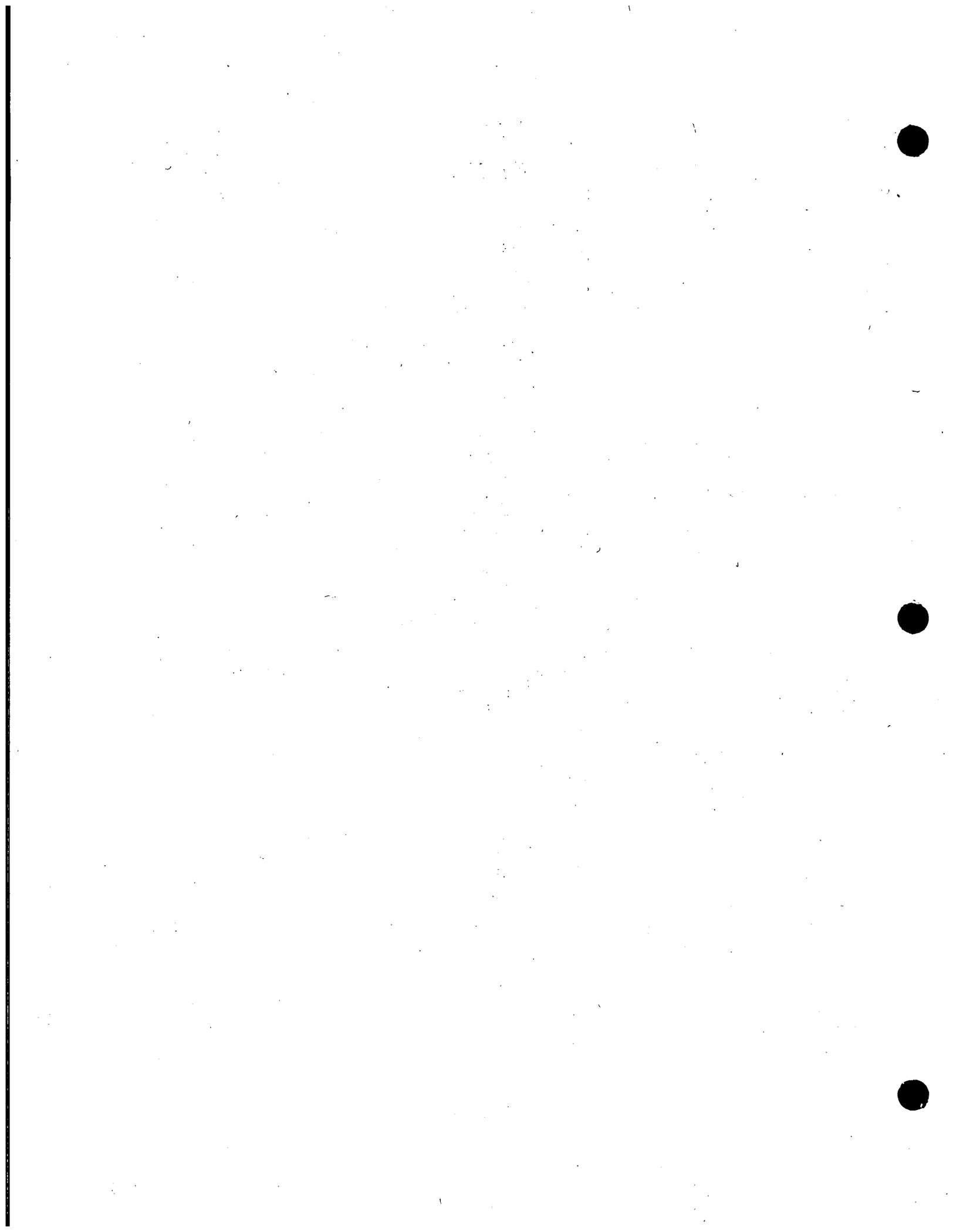
GLOSSARY



APPENDIX C

GLOSSARY

AR	Army Regulation
BD/DR	Building Demolition/Debris Removal
CG	Commanding General
CEHNC	Corps of Engineers, Engineering & Support Center, Huntsville
CEMVR	Corps of Engineers, Mississippi Valley, Rock Island District
CE	Corps of Engineers
CON/HTRW	Containerized Hazardous, Toxic, and Radioactive Waste
CWM	Chemical Warfare Material
DA	Department of the Army
DERP	Defense Environmental Restoration Program
DOD	Department of Defense
EE/CA	Engineering Evaluation/Cost Analysis
EOD	Explosive Ordnance Disposal
FDE	Findings and Determination of Eligibility
FUDS	Formerly Used Defense Sites
GSA	General Services Administration
HE	High Explosive
HTRW	Hazardous, Toxic and Radiological Waste
INPR	Inventory Project Report
JEDMICS	Joint Engineering Drawings Management Information Control System
NDAI	No DOD Action Indicated
NARA	National Archives Records Administration
OE	Ordnance and Explosives
RA	Remedial Action
RAC	Risk Assessment Code
RG	Record Group
RPA	Real Property Accountability
SI	Site Inspection/Investigation
SMACC	Army Industrial Operations Ammunition Center Explosive Safety
USACE	U.S. Army Corps of Engineers
USADAC	U.S. Army Defense Ammunition Center
USATCES	U.S. Army Technical Center for Explosives Safety
UXO	Unexploded Ordnance
WAA	War Assets Administration
WD	War Department

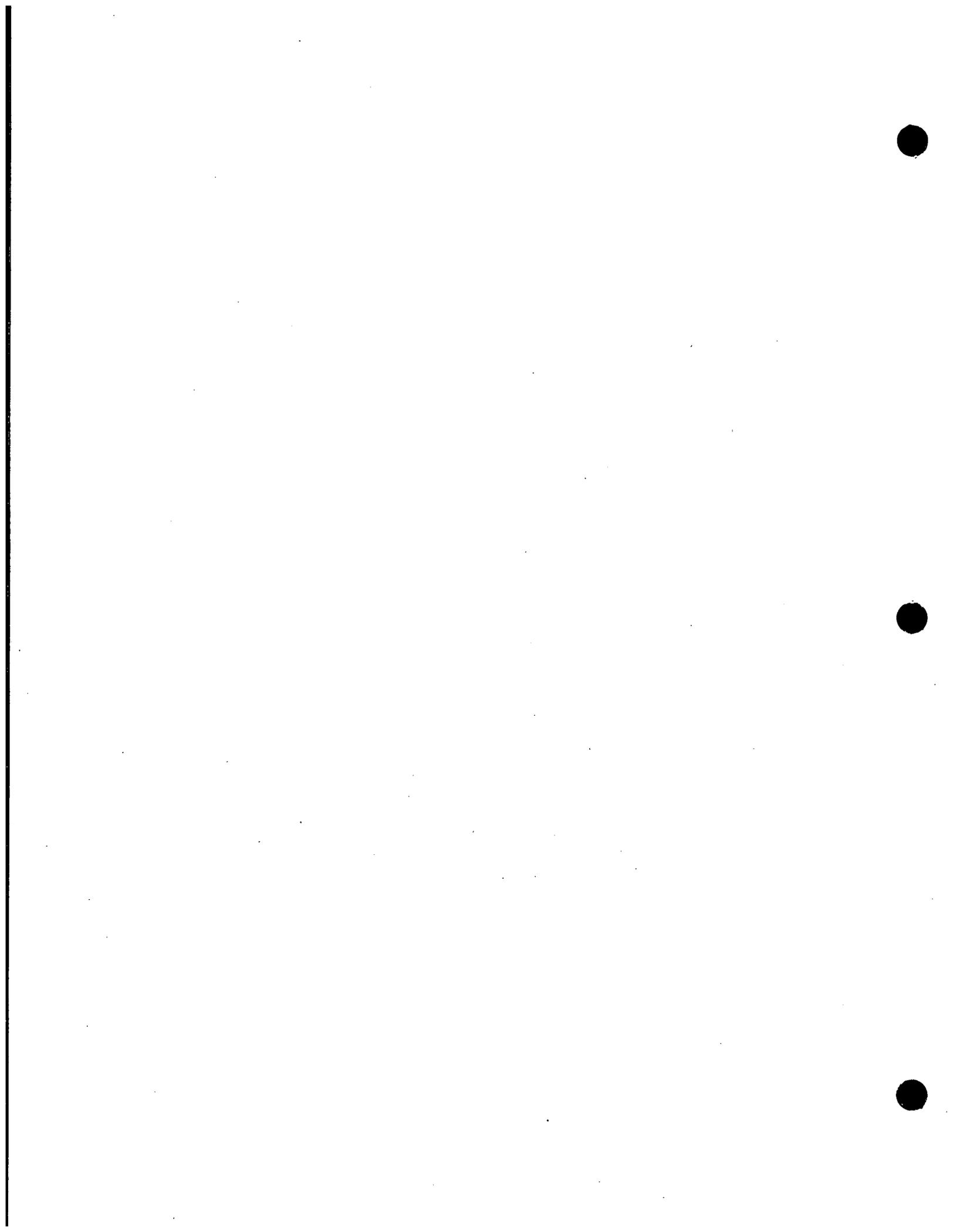


ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
FORT TOWNSEND
PORT TOWNSEND, WASHINGTON
PROJECT NUMBER F10WA032201

APPENDIX D

Ordnance Technical Data Sheets

(NOT USED IN THIS REPORT)



ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
FORT TOWNSEND
PORT TOWNSEND, WASHINGTON
PROJECT NUMBER F10WA032201

APPENDIX E

Textual References

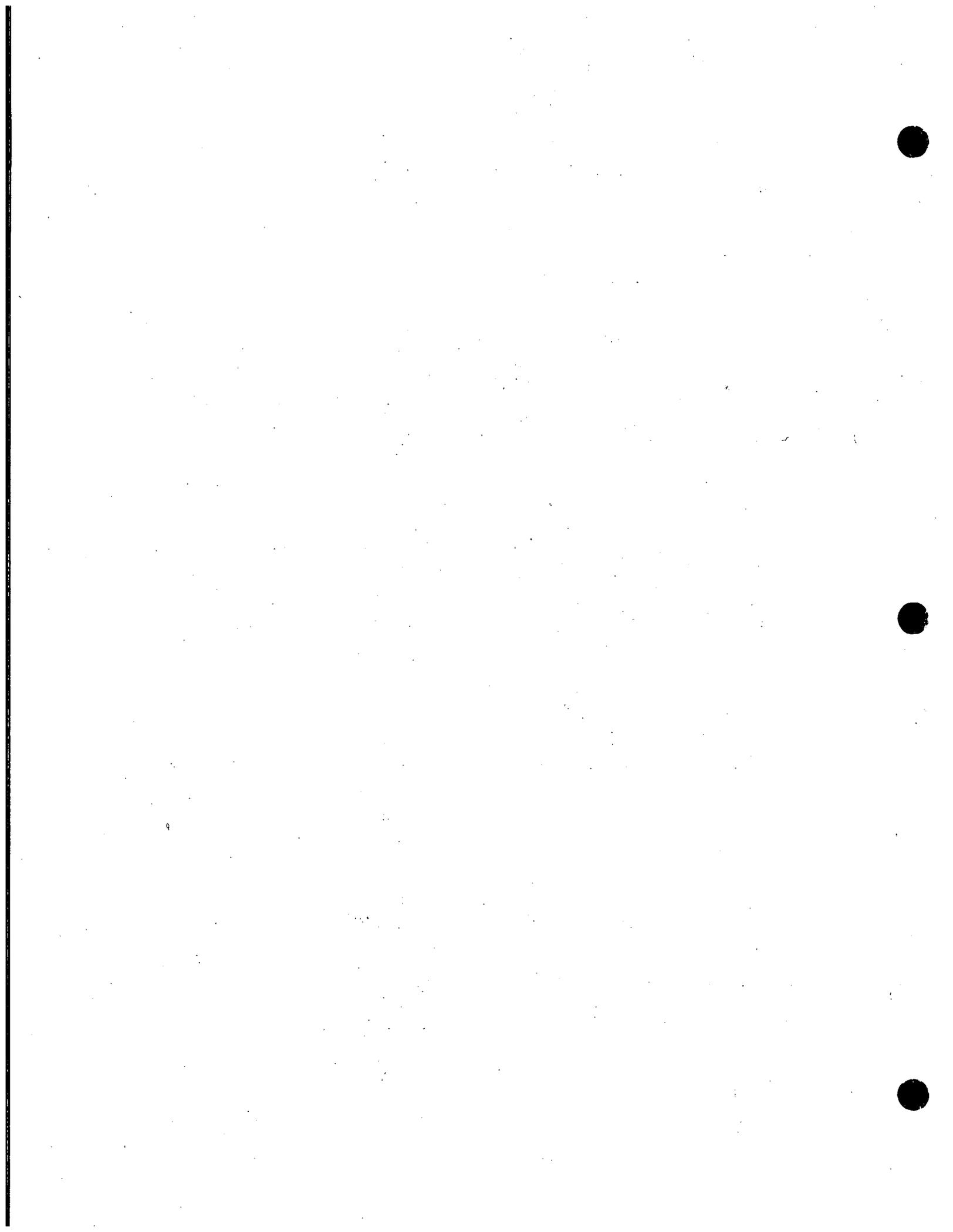


APPENDIX E

Reports and Studies

Table of Contents

- E-1 Inventory Project Report for project number F10WA032201. (B-6)
- E-2 2nd site visit for Fort Townsend INPR. (B-7)
- E-3 Early history of Fort Townsend 1857 to 1859. (B-8)
- E-4 Report relative to condition of Fort Townsend on September 22, 1872. (B-9)
- E-5 Report relative to condition of Fort Townsend on April 11, 1882 all showing no gun emplacements. (B-10)
- E-6 Correspondence record permitting construction of landing field Fort Townsend. (B-11)
- E-7 October 24, 1942 transfer of 396 acres to Department of the Navy. (B-12)
- E-8 Letter showing the Navy permitting the landing field to be transferred to a municipal landing field also shows that the X-ray had already been shutdown by October 2, 1945. (B-13)
- E-9 Declaration of surplus real property dated 31 Oct 1946. (B-14)
- E-10 Memorandum of understanding showing Transfer of all acreage associated with the airport to Jefferson County dated October 1946. (B-15)
- E-11 Letter showing transfer of Explosive Investigations Laboratory to the Coast Guard Dated June 30, 1948. (B-16)
- E-12 Correspondences with a Mr. Doug Bassett pertaining to the detonation of explosive components at the former Fort Townsend. (B-17)



SITE SURVEY SUMMARY SHEET
FOR
DERP-FUDS SITE NO. F10WA032200
FORT TOWNSEND
JEFFERSON COUNTY, WASHINGTON
MAY 2002

SITE NAME: Fort Townsend

LOCATION: The property is located in Jefferson County, Washington in Sections 21, 22, 27, 28, and 33, Township 30 North, Range 1 West, Willamette Meridian, approximately 3 miles south of the town of Port Townsend. This mostly forest covered property is bounded on the east by the Port Townsend portion of Puget Sound. (See attached maps).

SITE HISTORY: Fort Townsend, consisting of 614.75, acres was acquired January 29, 1859 by Executive Order. By Executive Order dated April 1, 1895, the property was briefly turned over to the Department of Interior (DOI); however, on April 30, 1896, the 1895 Order, was revoked by the President, and the subject lands were again set apart as a military reservation.

The purpose of the installation was to provide protection for settlers on the Olympic Peninsula against hostile Indians. Regular troops were stationed at Fort Townsend from 1857 to 1861, but were withdrawn for service in the Civil War. Volunteers garrisoned the post for the next few years. During this time, Fort Townsend was in "caretaker status" and its wooden buildings, situated in the northeastern portion of the site, were essentially abandoned and left to deteriorate.

In 1874, the fort was revitalized and for nearly 20 years was a thriving military establishment. Structures on the developed northeastern portion of the site numbered 27 during this time, and included officers quarters (commissioned and non-commissioned), barracks, canteen, mess hall and kitchen, hospital, administration building, guard house, school house, bakery, carpenter and paint shops, stables, hay shed, magazine, pump house, water tank house, granary, sawmill, and post trader establishments. The southeastern portion of the fort was used for pasture. A fire destroyed the barracks in 1895 and orders were issued to decommission the fort. From the turn of the century until WWII the facility was again in "caretaker status" often with only a single soldier or civilian employee in residence to provide security and basic maintenance.

An airfield was built on the southwestern portion of Fort Townsend in the 1920's, and was used as a pilot training school. The facility served both military and civil aviation needs. Local civilian flying clubs were permitted to use the field during the 1930's. In 1946, structures located at the airfield included the caretakers quarters, hangar, pump house, and water tower.

On July 2, 1942, the northeastern 369 acres of the fort were permitted to the Department of the Navy for a five-year term for a munitions investigation center. The permit was terminated October 24, 1942, and the property was transferred to the Navy. The Navy established the U.S. Naval Explosives Laboratory and constructed a 65' tall brick laboratory for X-ray examination of enemy naval mines, torpedoes and other munitions so they could be safely dismantled and studied. Later they performed quality assurance on ship valves and fittings. In addition to the laboratory, structures in use by the Navy included a wharf, operations building, barracks, garage and magazine.

The War Assets Administration assumed accountability of the southwestern 245.75 acres of Fort Townsend on October 22, 1946. In 1947, the southwestern portion of the fort was conveyed to Jefferson County for the Jefferson County International Airport. Between 1947 and 1959, the airport was operated by Jefferson County. In 1959, the Port of Port Townsend took over operations. The only former DOD structure remaining there is the steel frame hangar. The hangar is in fair condition and is currently being used as a maintenance shop by the Port.

The Washington State Parks and Recreation Commission purchased the northeastern portion from the government in 1958 for Old Fort Townsend State Park. The only DOD structure remaining on the park portion of the Fort Townsend site is the brick Navy Explosives Laboratory building. It is currently being used as the park information center, and the area around it is a picnic area.

According to Doug Bassett who was stationed at Fort Townsend between 1944 and 1946, excess munitions were disposed of by detonation in pits on the beach (see attached letter dated November 14, 2000 from Mr. Bassett and response by Rex Derr, Washington State Parks, dated January 24, 2001). When contacted by telephone at his residence in Denver, Colorado, on May 3, 2002, Mr. Bassett described a wide array of explosives, both foreign and domestic, including torpedoes, mines, TNT, dynamite, Japanese balloon bombs, grenades, and depth charges kept onsite. He recalled that the destruction of munitions in which he participated occurred around the time the facility was being closed in 1946. It is possible that other disposal events occurred prior to Mr. Bassett's being stationed at Fort Townsend. Mr. Bassett expressed concern that unexploded ordnance may remain on the property.

SITE VISIT: Nancy Walker and Connie Gold of Shapiro and Associates, Inc., and Susan Penoyar of Applied Geotechnology Inc., under contract to the Seattle District, made a site visit on January 19, 1989. The site was re-visited March 9, 2001 by Joseph R. Marsh (CENWS-EC-TB-GE) after new information was received indicating that munitions had been disposed of at the site, and unexploded items may still remain there.

CATEGORY OF HAZARD: OE

PROJECT DESCRIPTION: An Archive Search Report is proposed (F10WA032201) to determine the need for further action, if, any, at this property.

RAC SCORE: 2 (form attached)

AVAILABLE STUDIES AND REPORTS: Washington State Parks web site
<http://www.olympus.net/ftworden/ofit.html> and real estate documents on file at the Seattle
District.

SEATTLE DISTRICT POC: Jonathan A. Maas, CENWS-PM-EM, (206) 764-6745.

DEFENSE ENVIRONMENTAL RESTORATION PROGRAM (DERP)
FOR FORMERLY USED SITES
FINDINGS AND DETERMINATION OF ELIGIBILITY
FORT TOWNSEND
JEFFERSON COUNTY, WASHINGTON
PROJECT NO. F1OWA032200

FINDINGS OF FACT

1. Project Identification. The former Fort Townsend is located in Jefferson County, Washington in Sections 21, 22, 27, 28, and 33, Township 30 North, Range 1 West, Willamette Meridian. No work is proposed under DERP.
2. Acquisition. Fort Townsend was acquired January 29, 1859 by Executive Order. On April 1, 1895, by Executive Order, the property was turned over to the Department of Interior (DOI); however, on April 30, 1896, the Executive Order of April 1, 1895, was revoked and rescinded by the President, and the subject lands were again set apart as a military reservation. A total of 614.75 acres were acquired through the original Executive Order dated January 29, 1859.
3. Utilization. The following summary is compiled from historical information derived from the Washington State Parks and Recreation Commission, Greg Hagge, a military historian at Fort Lewis, and documents on file at the Seattle District office, U.S. Army Corps of Engineers.
 - a. Troops were stationed at Fort Townsend from 1857 through 1861. The purpose of the installation was to provide protection for settlers on the Olympic Peninsula against hostile Indians. All regular troops were withdrawn from the Fort in 1861 for service in the Civil War in the east, and volunteers garrisoned the post for the next few years. During this time, Fort Townsend was in "caretaker status" and its wooden buildings, situated in the northeastern portion of the site, were virtually abandoned and left to deteriorate.
 - b. In 1874, the Fort was reconstructed and for nearly 20 years was a thriving military establishment. Structures on the developed northeastern portion of the site numbered 27 during this time, and included officers quarters (both commissioned and non-commissioned), barracks, a canteen, a mess hall and kitchen, a hospital, an administration building, a guard house, a school house, a bakery, carpenter and paint shops, stables, a hay shed, a magazine, a pump house, a water tank house, a grainery, a sawmill, and post traders. The southeastern portion of the Fort was used for pasture. A fire destroyed the barracks in 1895 and orders were issued to decommission the Fort. Between 1895 and 1896, the facility was briefly under the jurisdiction of the DOI.
 - c. During much of the period between the turn of the century and WWII, Fort Townsend remained in "caretaker status." Sometimes only a single soldier or civilian employee was resident onsite to provide minimum security and basic maintenance.

d. An airfield was built on the southwestern portion of Fort Townsend in the 1920's, and was used as a pilot training school. The facility served both military and civil aviation needs. Even local civilian flying clubs were permitted to use the field during the 1930's. By 1946 the following structures were located at the airfield:

Caretakers Quarters of wood frame construction - 24' x 26'
Hangar of steel frame construction - 69' x 120'7"
Pump house of wood frame construction - 8.5" x 12'2"
Water tower and tank of wood frame construction - 10' Dia. x 9'

e. The northeastern 369 acres of the fort were permitted to the Department of the Navy on July 2, 1942 for a five year term to install and maintain a mine investigating center. The permit was terminated October 24, 1942 at which time the property was transferred to the Navy. During World War II, the Navy established an explosives laboratory for X-ray examination of enemy naval mines and torpedos, and for inspection of metal flaws.

4. Disposal. The War Assets Administration assumed accountability of the southwestern 245.75 acres of Fort Townsend on October 22, 1946. In 1947, the southwestern portion of the Fort was conveyed to Jefferson County for the Jefferson County International Airport. The Washington State Parks and Recreation Commission purchased the northeastern portion from the government in 1958 for Old Fort Townsend State Park.

5. Evaluations.

a. A site investigation was conducted on January 19, 1989 by Nancy Walker and Connie Gold of Shapiro and Associates, Inc., and Susan Penoyar of Applied Geotechnology Inc., under contract to the Seattle District, U.S. Army Corps of Engineers.

b. Between 1947 and 1959, the Jefferson County International Airport, which occupies the southwestern portion of Fort Townsend, was operated by Jefferson County. In 1959, the Port of Port Townsend took over operation of the facility. The only former DOD structure remaining is the steel frame hangar. The hangar is in fair condition and is currently being used as a maintenance shop by the Port of Port Townsend.

c. The only DOD structure remaining on the northeastern portion of Fort Townsend site is brick Navy Explosives Laboratory building. It is currently being used by Old Fort Townsend State Park as an information center, and the area around it is picnic area. No detailed information describing the equipment formerly housed in the laboratory, how and when it was removed from the building, or the various activities carried out there was found. According to Greg Hagge, a Fort Lewis military historian familiar with the site, the facility was in operation approximately one year.

d. There is no evidence of unsafe structures or debris, hazardous or toxic waste, or unexploded ordnance resulting from DOD use of this site.

DETERMINATION 1/

Based on the foregoing findings of fact, the site has been determined to be formerly used by the DOD. However, there is no evidence of unsafe conditions resulting from DOD use. Therefore, it is determined that an environmental restoration project is not an appropriate undertaking within the purview of the Defense Environmental Restoration Program, established under 10 USC 2701 et seq., for the reasons stated above.

7/14/89
Date



PAT M. STEVENS IV
Brigadier General, USA
Commanding

1/NOTE: At the time this FDE was prepared and signed, it was required that both site eligibility and project eligibility be addressed. In this case, no project was identified although the property was determined to be eligible for the program. Subsequently, it has been found that hazards may be present. Therefore, this FDE serves only to confirm that the site is eligible for FUDS. Jonathan A. Maas, CENWS-PM-EM, May 3, 2002.

MEMORANDUM FOR RECORD

SUBJECT: Old Fort Townsend Site Visit, DERP-FUDS Project F10WA032200

1. On 9 March 2001, I conducted an inventory project report (INPR) site visit at the Old Fort Townsend State Park, near Port Townsend, Washington. The purpose of this site visit was to gather information on a reported explosives detonation area used during World War II. The original INPR for Old Fort Townsend was completed in 1989. The original site visit was conducted by Shapiro and Associates, Inc. during that same year.
2. I arrived at the park gate at 1120 hours, where I met park ranger Mr. Robert Wiggins. Mister Wiggins accompanied me along a paved road to the eastern edge of the park. We then walked a short distance down the beach access trail. Mister Wiggins said he received a copy of the letter from Mr. Doug Bassett describing his concerns about unexploded ordnance on the beach. He said he could show me the approximate area on the beach where the explosives detonation would have likely been performed.
3. We reached the beach during an outgoing tide, where approximately 75 feet of sand, gravel, and cobble beach was exposed from the toe of a steep, sandy bluff, to the waters edge. We turned right, climbed down a large pile of concrete debris, then walked south from the end of the access trail. After walking a short distance, Mr. Wiggins indicated we were at the potential north end of the detonation area based on the letter from Mr. Bassett. I photographed the area, and recorded the coordinates with a hand-held GPS receiver (see enclosures 1 and 2). We continued walking south on the beach for approximately 400 feet, until Mr. Wiggins indicated we were standing at the potential south end of the detonation area. Again, I photographed the area, and recorded site coordinates for later reference. No unusual material was observed on the beach during the site visit. Mister Wiggins stated considerable sand and gravel had eroded from the steep bank over the years, and has been distributed over the area by tidal action.
4. After leaving the beach area, I briefly toured the former magazine, and explosives investigation laboratory building. I thanked Mr. Wiggins for his assistance, then departed the site at approximately 1230, when I returned to the District Office.



Joseph R. Marsh
Environmental Protection Specialist

2 Encl.

1. Figures 1 and 2
2. Photo Sheets 1-4

WASHINGTON TERRITORY.

Latitude $48^{\circ} 7' 3''$ north. Longitude $122^{\circ} 44' 26''$ west. Elevation above the sea 135 feet. Established in 1856 and first occupied by troops in 1857 by company I, 4th U.S. Infantry. Abandoned in 1859, the troops with those at Fort Bellingham being concentrated on San Juan Island. Re-established July 1st, 1874, by General Orders No. 12, Headquarters Department Columbia, series 1874. Situated on the West side of Port Townsend Bay. The magnetic variation at the second astronomical station at Point Hudson, in August, 1856, was 21 degrees and 40 minutes East with an annual change of 1 minute East, making it in August, 1879, $22^{\circ} 3'$ East.

Reservation declared by the President January 29th, 1859. New boundaries published in General Orders No. 1, Headquarters Department Columbia, series 1876. Old and new boundaries are marked on plan in black and red respectively. Present total area 615.10 acres. Post Office at Port Townsend, distant 4 1-2 miles. Nearest Railroad Station at Tacoma, on the North Pacific Railroad, southeast from the post 80 miles. No road, the station being reached by steamer via Puget Sound and ocean steamer from San Francisco, Cal., via Victoria, British Columbia. Mail Steamer arrives at Port Townsend daily, Sundays excepted. Ocean Steamer arrives via Victoria, B.C., three times a month. Nearest telegraph station at Port Townsend, which can be reached by rider in half an hour. Mean temperature: Summer $62^{\circ} 38'$, Winter $39^{\circ} 69'$.

The nearest mills are at Port Discovery and Port Ludlow, each about 14 miles by water. Building stone can be procured in the vicinity of the post, but not on the reservation. The warm season is from April to November. The nights are always cool, winters very mild. Prevailing winds Southeast and Northwest. Rainfall in 1878 20.2 inches. The locality is very healthy, no malarial or other diseases prevailing. The following are the distances to the principal points of travel:

Portland, Oregon.....216 miles.

San Francisco, Cal. via Portland by ocean steamer.....961 miles

San Francisco, Cal., via Portland or Sacramento overland.....1,000 miles

San Francisco, Cal., via Victoria, B.C.....790 miles

Victoria, British Columbia..... 40 miles.

The post Fort Townsend was established in 1856, and first occupied by troops in 1857. (Company I, 4th U.S. Infantry). Abandoned in 1859. General Harney imagined that one post on San Juan Island would be as efficient as one at Fort Bellingham and the other at Fort Townsend together. Of posts on the Sound, occupied immediately preceding the establishment of Fort Townsend were: Fort Steilacoom, occupied for several years; also Fort Bellingham, immediately preceding. General Scott ordered Fort Townsend reoccupied, when he was on the Sound, by I company 4th Infantry, but as soon as General Harney could do so, he re-established matters as he had previously arranged them. This left I company, 4th Infantry available and was ordered to San

Francisco, thence to Fort Mojave. Captain Lewis C. Hunt's Company, 4th Infantry, was then sent to garrison Fort Townsend, upon Col. Geo. H. Wright being ordered to the District to relieve General Harney. Fort Steilacoom was the only U.S. Military Post on Puget Sound prior to 1856, at which time Lieut. Colonel Silas Casey, 9th Infantry, commanded the post and Puget Sound District. This post was located when the settlements were principally around the Hudson Bay Trading Post; at Nesqually River it watched the gaps in the Cascade Range, from whence the Yakima Indians and others made their descent on the settlements. It was too remote from the settlements springing up along the Straits of Juca, the Archipelago of Islands and mainlands to the 49th parallel, hence Col. Casey procured authority to establish two posts further north, one at Bellingham Bay and the other at or near Fort Townsend, to give incidental protection to the settlements around, as they were frequently molested by British and Russian Indians. As late as 1857 some Hyder Indians attacked Colonel Ebey, residing at Ebey's Landing, killed him and carried off his head as a trophy.

Merrill

Lieutenant Geo. H. ~~Merrill~~, Topographical Engineers, and Lieut. Aug. V. Kautz, 4th Infantry, A.A.Q.M., were detailed to select a site at or near Fort Townsend. Having examined many points with greater objections, they finally reported in favor of the prairie and the springs of fresh water on the present location as important requisite to a military post, although in some other respects objectionable; mostly in being behind instead of the front of the village of Port Townsend.

Various tribes and bands of Indians living on and near
Puget Sound, grouped under four agencies:

Neah Bay Indian Agency,

Ikokoonish Indian Agency,

Tulalip Special Agency, and

Agency for Tulalip, Nesqually and other Indian tribes. They
are scattered upon a great number of small reservations from the
vicinity of Shoalwater Bay and the heads of Puget Sound and
Hood's Canal, north and westward to Cape Flattery and the en-
trance to Straits of Juca. The most recent estimates received
from Indian Agents give the total number at 6,500.

(Copied from Records of post)

Respectfully submitted,

H. H. Pierce,

1st Lieut. 21st Infantry,

Commanding Post.

Office, D. S.
 Fort Townsend and made thorough careful and personal inspection of the buildings at the place with the following result.

The post having been unoccupied for nearly eleven years is necessarily in bad condition, it having apparently been used by the Indians and settlers as a quarry for doors windows, and locks, and in some instances for fire wood. The buildings are in number ten, as follows. Three officers quarters, one hospital and one Company Quarters all frame. One Guard house, One Bakery, one Quartermasters and Commissary Storehouse, and one Office building of logs, and battened in part. One stable which is simply two log pens.

The Officers, and Company Quarters all require extensive repairs especially the floors. by reason of the original construction of the buildings, they having been placed directly upon the ground have become rotten, and should be replaced. The Company quarters are in better condition than any other building at the post.

The Hospital is in fair order and the repairs

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REPRODUCTION OF THE NATIONAL ARCHIVES

estimated for will place it in excellent condition.

The building - marked on plan "offices" - is in very bad order and it is recommended that it be torn down, and a new one erected (or that it be used temporarily for laundresses quarters). Its location is very objectionable, and inconvenient.

The Guard house, and Bakery are of logs and should be weather boarded to correspond with the officers quarters, they being constructed on a line with them.

The Quartermasters, and Commissary Storehouse will be sufficient for the needs of one Company, and with the repairs, as estimated for, will store six months' supply.

The so-called stables are simply two log pens connected by a roof, and require extensive repairs, being only useful as frames.

The buildings now at the post will - if repaired, as estimated for - be sufficient for one Company of Infantry, with the following exceptions: There are no quarters for a Surgeon provided he is a married man, as neither of

Y. C. O. instant Yukon specific Quarters being at women parlors E. O. H. G. 2. O. H. Road

Office, A. G. M. U. S. A.

77

the quarters, are designed for five families. also no buildings of any kind can be used as laundresses quarters.

The Company quarters, are much larger than can be required by one Company, and for the present one portion could be partitioned off, and accommodations thus be procured for two laundresses. and one - possibly two - more could be accommodated by using the building marked "Offices," provided a new one is built for offices. It is not recommended that any laundresses quarters be erected at present.

The mode of furnishing the water is of much importance - the post is supplied from an unfailing, and excellent spring - which is about one thousand feet in a direct line from the Company quarters - at the foot of a steep hill on the road to the landing. It is believed that it would be economy to obtain a ram and pipe, and force the water up the hill in rear of the Hospital, Officers quarters and Bake house and thence it will run to the Company quarters

Vancouver Sep
September 23. 1872

REPRODUCTION OF ORIGINAL ARCHIVES

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near which, a trough for the use of the Stables can be placed. Without this method of supplying water there will be none available in case of fire except what may be in barrels at the different quarters. This method will, also lessen the means of Transportation required at the post. Its Cost has been estimated for in the General Estimate herewith enclosed.

There are no fences standing at the post, and I recommend that, a light picket fence be built along the front of the Officers quarters and a strong board fence, around three sides of the whole post. Interior fences in connection with the stables can - if deemed necessary - be erected of rails by labor of the troops.

The road leading to the prairie farm - about a mile, and a half from the bay is almost grown up with brush, and the same may be said of all the roads leading from the garrison. It was the custom when the fort was occupied to use the beach at certain stages of the tide - as a road. This is objectionable, and communication with the town of Fort Townsend should be by water. Yet a road

Assistant General

Sept 1861
Portland Oregon.

connected with the public travelled road which is about a mile back from the post, should be opened as soon as the post is garrisoned.

The old wharf is entirely gone. It was built of timber placed upon piles of boulders collected on the beach. A new wharf should be erected, and it is the first work that should be done. The Estimate for this contemplates building upon stone piers, the stone obtained from quarries not far distant, the wood work of course above high tide. This method of building is economical as piles do not last in the waters of the Sound more than two or three years, owing to the ravages of a worm. The Estimate for the wharf with such labor as can be afforded by the troops is considered ample for the purpose.

A Boat house in connection with the wharf is necessary, and can be built hereafter by the garrison.

The lumber can be purchased, and delivered at the post, at reasonable rates, also the hardware, paint, lime, glass &c at cheaper rates than at Portland or elsewhere for the reason that all

REPROD

of these articles are purchased and shipped direct from San Francisco in sailing vessels - by large dealers connected with furnishing the shipping centering at Port Townsend, and also by mill-owners.

It is recommended that the materials required for repairs - tin excepted - all be purchased by the Quartermaster's Department, and that the labor be contracted for and not hired. The profit made by the contractors will not exceed, in any event the loss by the eight-hour rule, and the work will be done more expeditiously and better. The materials can be purchased in gross, and contracts made for the repair of one two or more buildings according to stipulations, reserving other buildings to be repaired by the labor of the garrison, if there should be any available in the Company stationed at the post. It is thought though that there will be more work at the post in opening the roads - clearing the parade.

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Barlmer
E. W. G
May
Recd. by Secy. 11-1-57

now grown up with trees twenty or thirty feet high -
and fencing the pasture and gardens. This can
be done with one company of troops.

After completing the inspection at Fort
Townsend I proceeded by steamer to Camp
San Juan Island, and made an inspection of
the buildings at that post and beg to report thereon
as follows:

At the post I found about ten thousand
feet of lumber, originally purchased for repairs
and enlargement of the company quarters. This is
all of good quality and can be made available
at Fort Townsend. In regard to the removal
of the buildings I am of the opinion that it
will be impracticable with economy to transport
them to Fort Townsend, if they will bring
anything at public or private sale of where
they now stand. One difficulty in the way is
the want of a wharf at San Juan at which
steamers can land and load. The windows
and doors in the buildings are either too
large or too small to be made available at

7th Aug
Seen

Port.
& take
Spring

X

2
Ch. Co.

Warrant

Washing

specie

Quarters

ting etc

rearmnt

barlines

2
2

Assistant General
Read me also. 15. 1. 07

Fort Townsend. In any event there are but two buildings at San Juan that I could recommend the removal of, to wit: the Commanding officer's quarters, and the newly erected Hospital ward. They are comparatively new, and the frames sound, which is about all that would be of any use in tearing down.

As soon as the question of the ownership of the Island is settled it is recommended that poles be distributed at Victoria, at the principal place on the ground and also on the Island inviting proposals in writing, for the purchase of the buildings, the Government reserving the right to accept or reject, as may be deemed best for its interests.

I made no further inspection at San Juan other than that connected with the buildings above.

I have the honor to enclose herewith a plan of Fort Townsend with an official tracing of the military reserve at that post, and an Estimate in detail for the repairs of the post.

7th and
1st
Apr 20
to take
Spring

X

2

1st Lt
instantly
Washington
respectfully
Quartermaster
Ting atton
ment
Warrent
E. W. H. S. P.

10
replied Nov 27 72

All of which is respectfully submitted for the consideration of the Commanding General by

Very respectfully

Your obedient servant

(Signed) Henry W. Jones

Oct 20 1872

dated

at

the

report

in

ings

7th reg
wrote -
seen by Henry of June
1872
to take no action before
Spring next. H. Jones by
Chief Clerk

Adj. General
4th Envoicement
Adj. General's Office
Washington, Nov. 30, 1872.
Respectfully returned to
Quartermaster General,
drawing attention to preceding
movement from the War
Department
E. W. Jones
Adjutant General
Washington, Nov. 27, 72

①

Headquarters of the Army,
Inspector General's Office,

②

April 11. 1882.

To the
General of the Army
of the United States,

Sir:

The following extract
from a report of an inspection
of Fort Townsend, Washington Ter-
ritory, made January 12. 1882, by
Captain John A. Kress, Ordnance
Department, in charge of Acting
Assistant Inspector General's Office,
Department of the Columbia, is
respectfully furnished for your
information. A copy of so much
of this extract as is inclosed by red
ink brackets, has also been furnished
the Chief of Engineers.

Very Respectfully
Your obedient servant
D. B. Sackett
Brig. & Inspector General.

○

26 54
464
8-107
1171

"I recommend that Fort Townsend be abandoned, and that the two companies of the 21st Infantry now there be stationed at Vancouver Barracks.

Any part of Puget Sound can be reached by troops from Vancouver in 20 hours. The few Indians along the Sound are very quiet and peaceable: there is no probability that they will ever give any trouble; they are scattered along the shores in families, and live principally by fishing.

The Fort is only a collection of buildings for the shelter of troops, and is not (nor is any part of the reservation) in a position for defensive purposes. It is over four miles from the main Sound channel.

{ Forts for the protection of Puget Sound must be erected in time, on the points, on both sides of the

channel, at the entrance of the Sound, near Port Townsend, and about 6 miles from the present post.

The channel is about $2\frac{1}{2}$ miles wide; a point south of Port Townsend, facing the channel, should also be fortified. It will also be necessary to defend the deep entrance running between Whitby Island and the main land, by forts on both sides. These forts at least five in number, supplemented by lines of torpedoes, and two Ericsson torpedo boats, all properly manned, armed and equipped, will successfully defend this harbor, which I presume, has no superior in the world for convenient size, ease of entrance, depth of water, or facilities for getting fuel and water for ships or steamers. The largest ocean vessels can always sail into Port Townsend (and to Tacoma when the winds are favorable) without a steam-tug. The trade from Puget

Sound has been large for 20 years past, consisting principally in lumber for California, Kansas, and the Sandwich Islands. Connections by railroads with the interior, soon to be completed, will enormously increase its exports; and the time is not far distant when the government will be compelled to take active measures for its defence. I therefore earnestly recommend that, unless the Engineer Department has already done so, careful examination and survey be made of all locations likely to be required, and that suitable preparations be made.

The two companies now at Fortmills with 75 men, could not and ever kept into the field, the remainder being required to care for the post and property, but if stationed at Vancouver with the other companies, ^{now} there, at least 70

men could be turned out, this proportion would leave 35 men at Vancouver (all that would be needed, if seven companies were sent at one time from that post), a gain of 40 per cent for effective service; and fully that percentage would be gained in relative expense of subsisting and equipping the force; much greater efficiency in drill, instruction of all kinds, and in discipline, would also be gained by the concentration. There is room for one of these companies at Vancouver now, and the other can be sent there immediately after receipt of the expected order to transfer the Arsenal for the use of troops. The enlisted men at this post, made no complaint."

Very respectfully,
Your obedient servant,
(Signed) John A. Kress,
Captain of Ordnance,
In charge of Office of the
Assistant Inspector General.

May 5, 1930. TO: Commanding General, Ninth Corps Area, Presidio of San Francisco, California.

1. Investigation as directed by paragraph 2, 1st Indorsement, was completed May 5, 1930, and the following report and recommendations are submitted:

a. Fort Casey:

(1) (a) Field "X" would require the removal of a high tension power line and telephone line, also considerable grading would be required to level the field in order that planes could roll across a main highway which runs directly across the western portion of the field. Considerable timber would have to be removed at the eastern end of the field. The cost involved would be excessive and only a poor type of an emergency field would be the result.

(b) Field "Y" is entirely out of the question due to the fact that it has about a five (5) percent grade and is entirely too short.

(c) Field "Z" sets directly to the rear of the batteries at the south end of the reservation and would require considerable expense to prepare the surface, and then would be entirely too small for safe operation.

(2) After careful inspection of the above fields it was found that regardless of the amount of money expended in the attempt to prepare them for use of heavier-than-air craft, it would be impossible to utilize the resulting fields for the use of service type equipment with any degree of safety. It is therefore recommended that no further consideration be given these fields.

b. Fort Worden: The only field available is the present parade ground, and this field is entirely too small for the use of any but training type of airplanes, so is therefore out of the question.

c. Forts Fleasler and Whitman: As stated in paragraph 3 g, basic communication, there are no fields available at these places.

d. Fort Townsend: There is a large open area at this place that, with the expenditure of approximately four hundred dollars (\$400.00), could be made into an excellent emergency flying field, to be used for both day and night flying. It would require approximately six (6) men with a tractor, road scraper and a ten-ton roller approximately ten (10) days to put this field into condition, as the only thing needed for preparation would be the removal of some tall trees at either end of the runway, and the scraping of the surface to take down rough spots which are merely eight to ten inch ant-hills. This field is well sodded which protects it against wet weather, and is protected from winds on either side by tall trees, and with good approaches at either end. The northwest corner of the field is well protected and it is believed that hangars of any type would not be required. The field is approximately seven (7) miles from Fort Worden. Quarters are available at the latter place for the personnel, which would allow both Artillery and Air Corps to be in direct communication at all times. In the event it is contemplated the construction of a flying field to be used in connection with Artillery practice, it is believed that this is the most logical and economical location.

2. Fields not on the reservation:

a. Sand Point Airfield, Fort Angeles and Fort Lewis: It is believed that these fields are entirely too far away from the base of Artillery operations for satisfactory results. Sand Point being forty (40) miles by air, with no direct communications; Fort Angeles being thirty (30) miles

by air and with no direct communications; and Fort Lewis being approximately seventy (70) miles by air but with direct radio communication.

b. Port Townsend: The City of Port Townsend contemplates the construction of a commercial flying field, however, after investigation, it was found that the type of field they are going to develop will be entirely too small for the use of service type equipment, as it will be only fourteen hundred (1400) feet long, four hundred (400) feet wide at one end and narrowing down to approximately one hundred (100) feet at the other. Approximately four hundred (400) feet of the narrow end will be of a sandy material, which it is believed, is too soft to hold up a heavy plane. Also, at the narrow end of the field is a hill, approximately sixty (60) feet in height, which would decrease the useable runway to about one thousand (1000) feet when approaching from this end. It is therefore believed the possibility of using this field is out of the question.

3. In conclusion, it is believed that the only field mentioned in basic communication which is convenient for all concerned and can be prepared with the least expense is that at Fort Townsend.

E. F. Kennedy,
1st Lieut., A. C. (DOL).

353/123
(Air)

3d Ind.

(S-6-5-30)

May 16, 1930. - To the Adjutant General, Washington, D. C.

1. Paragraph 3, second indorsement, is approved. It is requested that funds in the amount of \$400.00 be made available as soon as practicable, in order that work of preparing proposed landing field at Fort Townsend may be expedited.

For the Commanding General:

4 Incls.-No change.

E. L. WALTERS
Lt. Colonel, A. C. D. 30
Assistant Adjutant General

AG 580.82 Fort Townsend, Wash.
(4-17-30)(Misc.)

4th Ind.

A GO, May 22, 1930 - To the Chief of Air Corps.

For remark.

By order of the Secretary of War:

MAY 24

incls. no change.

See 2/22/30

B. E. Fraile

MAY 26 1930

E-6

1st Ind.

April 29, 1930

To 1st Lt Emile T Kennedy A C Sand Point Airdrome Seattle Wash

1. Attention is invited to basic letter concerning the selection of a Landing Field or airdrome for the Harbor Defenses of Puget Sound.
2. It is desired that you proceed by Harbor Boat to Fort Worden Ft Casey and Fort Townsend investigate the fields at those posts and render a detailed report by indorsement hereon as to their suitability and availability for the flying purposes contemplated.
3. In the event that you are unable to reach any of these posts by harbor Boat you are authorized to request the Commanding Officer, Harbor Defenses of Puget Sound to furnish you transportation by Government automobile for the purpose
4. No mileage is involved in travel by Harbor Boat or Government automobile.

By command Of Major Gen Hines

H L Walthall
Lt Col AGD
Asst Adjt Gen

DECLASSIFIED

Authority NND 974372By AB NARA Date 3/13/03**CONFIDENTIAL**

Description and plat of that part of Fort Townsend Military Reservation transferred to the Navy Department on 24 October 1942.

Beginning at the Northeast corner which is situated in Section 27, Township 30 North, Range 1 West, Willamette Meridian, on Port Townsend Bay, at half tide from which point a cedar 2 feet in diameter and marked "U.S.M.R.B.T." bears South $6^{\circ} 10' E.$, 216.00 feet; thence North $88^{\circ} 50' W.$, 155.00 feet to a stone monument 14 inches square with pyramidal top marked "U.S." on four sides; thence North $88^{\circ} 50' W.$, 4,418.1 feet to a brick monument at the base of a cedar stump marked "U.S.M.R.," which is 18 inches in diameter, from which a fir 10 inches in diameter marked "U.S.M.R.," bears South $35^{\circ} 30' E.$, 22.2 feet, and a fir 10 inches in diameter marked "U.S.M.R.," bears North $4^{\circ} 31' E.$, 36.6 feet; thence South $2^{\circ} 16' 30" W.$, 3,233.00 feet; thence South $89^{\circ} 45' E.$, 980.3 feet, to a stone monument 14 inches square with pyramidal top, marked "U.S." on four sides; thence South $89^{\circ} 45' E.$, 4,091.2 feet to a stone monument 14 inches square with pyramidal top marked "U. S." on four sides, on edge of bluff; thence South $89^{\circ} 45' E.$, 251.6 feet to a point on Port Townsend Bay at half tide; thence Northerly following the meanders of the shore line to the point of beginning, all of the above described parcel lying and being within Sections 27 and 34 above Township and Range, in Jefferson County, State of Washington, and containing 345 acres, which has been outlined in blue on the attached plat, and by this reference is made a part of this description.

CE 680.4 SPELD
Fort Townsend Mil. Res.

October 24, 1942

Subject: Fort Townsend Military Reservation, Washington -
Transfer of Portion to Navy Department.

To: THE SECRETARY OF THE NAVY

1. Reference is made to permit from the War Department to the Navy Department, dated July 2, 1942, for the use and occupation of a portion of the Fort Townsend Military Reservation, Washington, for the installation, operation and maintenance thereon of a mine investigation center.

2. By letter dated September 28, 1942, the Commandant, Thirteenth Naval District, advised the Commanding General, Headquarters Western Defense Command and IVth Army, that it was proposed to change the mine investigation station to an explosive investigation laboratory. Said letter also stated that such change will necessitate considerable permanent construction and the installation of more extensive facilities on said property, and requested the permanent transfer of the site to the Navy Department.

3. It has been determined that there is no military objection to the transfer of the property requested. Accordingly, pursuant to the authority contained in the Act of July 11, 1919 (41 Stat. - 132; 10 U.S.C. 1274), there is hereby transferred to the Navy Department that portion of the Fort Townsend Military Reservation, Washington, now occupied under the aforementioned permit of July 2, 1942, and as indicated on map attached to said instrument.

369 acres

HENRY L. STIMSON

Secretary of War

The tract as described contains 269 acres more or less.
 S. 20° 45' E., 652.2 feet to the point of beginning.
 S. 20° 45' E. to a stone monument on top of bluffs;
 foot here at least north of last described corner;
 southerly along foot bluffs to a stone monument

S. 20° 45' E. to foot bluffs

on the edge of a bluff;

S. 20° 45' E., 652.2 feet to a stone monument;

S. 20° 45' E., 652.2 feet to a stone monument;

S. 20° 45' E., 652.2 feet;

from the bluffs

to said section

and also part of beginning also being the northern corner of lot
 20 lots S. of 27th St. and S. of 1st St., 770.22
 reservation boundary line with the southeast corner of said section
 regarding it a stone monument marking an angle point in the

follows:

Range 1 West, Willamette Meridian, Jefferson County, Washington, as
 a parcel of land in sections 21, 22, 27 and 28, Township 20 North,

Patton transferred to Navy Department
 by letter dated 21 October 1943

FOR THE UNITED STATES DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

~~CONFIDENTIAL~~

The NAVY DEPARTMENT is hereby granted, for a period of five (5) years, but revocable at will by the SECRETARY OF WAR, a permit to use and occupy, for the purpose of installing, operating and maintaining a mine investigating center thereon, that portion of the FORT TOWNSEND MILITARY RESERVATION, State of Washington, shown in red on the photostat of map attached hereto and made a part hereof.

THIS PERMIT is granted subject to the following provisions and conditions:

1. That the use and occupation of said portion of the said reservation for the purposes herein authorized shall be without expense to the War Department and shall be subject to such rules and regulations as the Commanding General, Harbor Defenses of Puget Sound, Fort Worden, Washington, or other competent military authority, may from time to time prescribe.
2. That no structures or buildings shall be erected on said reservation without the approval of the said Commanding General, or other competent military authority.
3. That any damage to or interference with property or facilities under the control of the War Department, incident to exercise of the privilege herein authorized, shall be promptly repaired or corrected by the Navy Department.
4. That upon the termination, revocation or relinquishment of this permit all property under the jurisdiction and control of the Navy Department shall, at the option of the Secretary of War, either be removed from said reservation and the premises restored to a condition satisfactory to the said Commanding General, or other competent military authority, or said property shall remain on the premises under the jurisdiction and control of the Secretary of War.

Facilities damaged
 on 10/15/42
 by explosion of the mine at 10:00 AM
 (10/15/42)

IN WITNESS WHEREOF I have hereunto set my hand by authority of the Under Secretary of War and under the direction of the Chief of Engineers, this 2nd day of July, 1942.

~~CONFIDENTIAL~~

/s/ M. T. Davenport

Major, U.S.A.

DECLASSIFIED

Authority NND 974372By AB NARA Date 3/13/03ND13/R1-13
F-5-6 als

2 October 1945

To: Brigadier General John J. O'Brien
Director, Real Estate Division
Corps of Engineers
War Department

Subj: Lease of Port Townsend as a Municipal
Landing Field.

Ref: (a) Ltr of 11 Aug. 1945 from the War
Department.

1. By reference (a) the War Department inquired as to whether or not the Navy Department would have any objections to the use of the facility at Port Townsend as a Municipal Landing Field.

2. The Bureau of Ordnance operates an Explosives Investigation Laboratory upon land adjacent to the proposed Municipal Landing Field, but present plans call for discontinuance of this operation and transfer of high voltage equipment at this station to another Naval activity. For this reason, the Navy Department has no objection to the establishment of the proposed Municipal Landing Field.

By Direction of the Chief of the Bureau of Yards and Docks.

ANDREW J. MURPHY, JR.
Head, Real Estate Division

WAA Form 1005
(5-20-46)

UNITED STATES OF AMERICA
WAR ASSETS ADMINISTRATION

Form approved
Budget Bureau No. 16R005.3.

DECLARATION OF SURPLUS REAL PROPERTY
(TO THE WAR ASSETS ADMINISTRATOR, WASHINGTON 25, D. C.)

IMPORTANT

SEE INSTRUCTIONS ON REVERSE FOR COMPLETING THIS FORM

1. REPORTING AGENCY
War Department, Chief of Engineers
Washington 25, D. C.

2. PROPERTY IDENTIFICATION
3 Miles South of Port Townsend, Jefferson Co., Wn.
(See Block 2 Schedule)

3. AREA
245.75 Acres

4. USE OF PROPERTY PRIOR TO ACQUISITION
Virgin Timber Land

5. OPINION OF BEST FUTURE USE
Airport (See Block 5 Schedule)

6. DATE OF ACQUISITION
PRIOR TO 1/1/40 MIXED SUBSEQUENT TO: 12/31/39

7. FORMER OWNER
Not Applicable

9. DATE
21 OCT 1948

10. REPORTING AGENCY NO.
WD-113A

11. WAA NO.

12. DISPOSAL AGENCY NO.

13. REPRESENTATIVES TO CONTACT
Mr. Don E. Meldrum, Real Estate
Office, North Pacific Division,
500 Pittcock Block, Portland 5, Ore.
Phone BR 0621 (See Block 13 Sched)

14. LOCATION OF TITLE PAPERS
Chief, Military Reservation Div.,
Office of the Judge Advocate Gen-
eral, War Department, Wn. 25, D.C.
(See Block 14, Schedule)

15. COST OF PROPERTY

ACQUISITIONS	\$ None
BETTERMENTS	\$ 17,283.00
TOTAL	\$ 17,283.00

16. PROCEEDS

8. REMARKS

Fort Townsend Military Reservation consists of 245.75 acres of public domain and im-
provements thereon. See Block 8, Schedule A through E for detailed information.

DSL/pmm

JUSTIFICATION FOR CORRECTED REPORT:

To correct acreage, project map and add cost of construction omitted.

RWL

DO NOT FILL IN

DATE OF ASSIGNMENT	ASSIGNED TO
ASSIGNED BY	(SIGNATURE)
(DIVISION)	

17. AUTHORIZED BY Chief of Engineers

Signed

LAWSON B. KNOTT, JR.

(SIGNATURE OF REPORTING OFFICIAL)

Actg. Chief, Management & Disposal

(NAME AND TITLE) Please type

REALTY CONTROL

FORT TOWNSEND MILITARY RESERVATION
JEFFERSON COUNTY, WASHINGTON
WAA-1005

INDEX SHEET

Block 2 Schedule	Project Map
Block 5 Schedule	Opinion of Best Future Use
Block 8, Schedule A	Narrative Report
Block 8, Schedule B	Tract Register
Block 8, Schedule B-1	List of Exceptions to Title
Block 8, Schedule B	Layout Plan
Block 8, Schedule B-1	List of Improvements
Block 13 Schedule	List of Representatives to Contact
Block 14 Schedule	Attorney's Certificate

PORT TOWNSEND MILITARY RESERVATION
JEFFERSON COUNTY, WASHINGTON
WAA-1005

OPINION OF BEST FUTURE USE

The best possible use for the Southwestern part of the reservation is for airport purposes. This part of the field has been used for a Flying School, granted by a permit from the War Department. The Fort Townsend Flying Club and the Port Angeles Flying Club were also granted licenses in 1939 to use and occupy the field as an occasional base for flight instruction to club members in common with the United States and its Licensees.

The lack of adequate railroad facilities has greatly hampered the progress of the entire Olympia Peninsula. Freight cars are transported across Puget Sound by large barges, and there is no passenger service by train. The cost of shipment by rail is very high, with the result that most of the freight is hauled by truck on the Edmonds-Ludlow Ferry. Port Townsend may also be reached from Seattle by driving around the Southeast part of Puget Sound over a long, winding, circuitous route. The people of Port Townsend and the Olympia Peninsula have endeavored to have a bridge built across the Narrows but so far have not been successful. The lack of an adequate means of access to the Olympia Peninsula has greatly increased the desire of the residents for an airport which could accommodate large transports for hauling freight and passengers.

BLOCK 5 SCHEDULE

FORT TOWNSEND MILITARY RESERVATION
JEFFERSON COUNTY, WASHINGTON
WAA-1005

NARRATIVE REPORT

Fort Townsend Military Reservation was set aside from Public Domain by Executive Order on 29 January 1859. See Attorney's Certificate for detailed information.

There were no relocations involved on subject reservation.

PROSPECTIVE PURCHASERS

IMPROVEMENTS ONLY:

Clyde Allen
161 Lynn Street
Seattle, Washington

Curtis Gilchrist
Hordland, Washington

Angeles Gravel & Supply Co.
Port Angeles, Washington

Hugh Ocean & Co.
Box 308
Port Angeles, Washington

Theadore Hansen
1115 East Front Street
Port Angeles, Washington

Dan Lokie
1805 West 7th Street
Port Angeles, Washington

Ed Payne
General Delivery
Port Angeles, Washington

Benjamin N. Phillips
First National Bank
Port Angeles, Washington

Raymond J. Taylor
1025 West 6th
Port Angeles, Washington

Joe Todice
333 East 8th Street
Port Angeles, Washington

Carl Wicklander
Route 3
Port Angeles, Washington

LEGAL DESCRIPTION

Commencing at a Point of Beginning marked by a stone monument 14 inches square with pyramidal top, marked "U.S." on four sides, which point is in Section 28, Township 30 North, Range 1 West, Willamette Meridian, and is the common corner between courses "North 0° 27' 30" East 5927.0 feet," and "South 89° 45' East 4091.2 feet" of the boundary of Fort Townsend, as published in General Orders No. 164, War Department 1911, and Government Bulletin "Military Reservations, Washington" 8 May 1942; thence following the boundary of the existing Reservation, South 0° 27' 30" West 4684.46 feet to a point which is on the South line of Section 28, North 89° 55' 28" West 799.22 feet from the Southeast corner of Section 28; thence continuing South 0° 27' 30" West 1242.54 feet to a stone monument 14 inches square with pyramidal top, marked "U.S." on four sides, from which a fir tree, 4 1/2 feet in diameter, marked "U.S.M.R.B.T." bears South 80° 58' East 10.0 feet; thence following the boundary of the existing Reservation, North 88° 03' West 3351.9 feet to a stone monument 14 inches square with pyramidal top, marked "U.S." on four sides, from which a blazed fir tree 4 feet in diameter bears South 3° 19' West 5.0 feet; thence following the boundary of the existing Reservation, North 2° 08' 30" East 1862.5 feet, to a brick monument from which a blazed fir tree 2 1/2 feet in diameter bears North 52° 11' East 32.0 feet, and a cedar tree 2 1/2 feet in diameter marked "U.S.M.R.B.T." bears South 7° 33' West 25.0 feet; thence following the boundary of the existing Reservation, South 87° 36' East 2113.5 feet, to a brick monument from which a fir stump 24 inches in diameter, marked "U.S.M.R." bears South 47° 35' East 34.0 feet; thence following the boundary of the existing Reservation, North 2° 16' 30" East 4047.86 feet, to a point; thence South 89° 45' East 1055.45 feet, to the point of beginning; containing in all 245.75 acres, more or less, all lying in Sections 28 and 33, Township 30 North, Range 1 West, Willamette Meridian. All bearings are true.

TRACT REGISTER
Schedule B
FORT TOWNSEND MILITARY RESERVATION
JEFFERSON COUNTY, WASHINGTON
WAA-1005

E-9

CHARACTER OF INTEREST HELD BY GOVERNMENT			ACQUISITION		TITLE EVIDENCE	LOCATION OF LAND <u>Jefferson Co., Washington</u>			
st No.	Name & Address of Former Owner	Original Acreage	Orig. Cost Sub. - Actual of Acreage Declared Sur.	Acreage Reported for Disposal	Date	(P) Purchase (D) D/T	(A) Abstract (B) Certifi- date of Title	Name & Address of Title or Abstracting Co.	Outstanding Interest (Including those granted by the Government)
		614.75	None	245.75	30 Apr 1896	Public Domain		None	See Items 1, 2, 3 and 4 as set out in List of Exceptions to Title, Block 8, Schedule B-1

FORT TOWNSEND MILITARY RESERVATION
JEFFERSON COUNTY, WASHINGTON
WAA-1005

LIST OF EXCEPTIONS TO TITLE

1. On 29 November 1911 the Secretary of War granted a revocable license to Olympic Power Company, Incorporated, for a transmission line crossing the Southwestern part of the reservation in approximately the position noted on Drawing SE-RE-27. Applies to 245.75 acres covered by this report.
2. On 21 September 1937 the Secretary of War granted a 25 year easement for water pipe line to the City of Port Townsend crossing the Southwestern part of the reservation in approximately the position noted on Drawing SE-RE-27. Applies to 245.75 acres covered by this report.
3. On 19 December 1939 Jefferson County was given a revocable permit to extend a County Road across the Southerly part of the reservation, as shown on Drawing SE-RE-27. Applies to 245.75 acres covered by this report.
4. A telephone line has been run along the road mentioned in the paragraph next above, but no record is found of an agreement from the War Department therefor. It is presumed the line was installed under a franchise agreement between the Telephone Company and Jefferson County. Applies to 245.75 acres covered by this report.

PORT TOWNSEND MILITARY RESERVATION
 JEFFERSON COUNTY, WASHINGTON
 WAA-1005

LIST OF IMPROVEMENTS
ON FEE OWNED LAND

<u>BLDG. NO.</u>	<u>SIZE</u>	<u>CONSTRUCTION</u>	<u>DESIGNATION</u>	<u>COST</u>
T-1	24'x26'	Wood Frame	Caretakers Quarters	\$ 1,500.00
T-2	69'x120'7"	Steel Frame	Hangar	10,973.00
T-3	8½"x12'2"	Wood Frame	Pump House	200.00
T-4	10' Dia. 9' Hi.	Wood Frame	Water Tower and Tank Building	1,100.00
			Water System	2,360.00
			Sewer System	150.00
			Roads	1,000.00

BLOCK 2, SCHEDULE B-1

FORT TOWNSEND MILITARY RESERVATION
JEFFERSON COUNTY, WASHINGTON
WAA-1005

LIST OF REPRESENTATIVES TO CONTACT

J. C. McCaustland
Chief, Seattle Sub-Office
4735 E. Marginal Way
SEATTLE 4, WASHINGTON

TELEPHONE: Main 0100
Ext. 3555

A. G. Sarchet
Jefferson County Title Company
PORT TOWNSEND, WASHINGTON

Harry Baker
PORT TOWNSEND, WASHINGTON

W. J. Daly, Lawyer
PORT TOWNSEND, WASHINGTON

Harry E. Peterson
SEQUIM, WASHINGTON

BLOCK 13 SCHEDULE

FORT TOWNSEND MILITARY RESERVATION
JEFFERSON COUNTY, WASHINGTON
WAA-1005

ATTORNEY'S CERTIFICATE

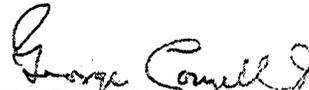
1. I certify that on and after 10 October 1946 I examined records of the Seattle Real Estate Sub-Office of the Division Engineer, North Pacific Division, also pertinent records of Jefferson County, Washington, and of the United States District Court for the District in which the land in the above named reservation is located, pertaining to the Fort Townsend Military Reservation, Jefferson County, Washington, the legal description of which is set forth in Block 8, Schedule A preceding, and find as follows:

a. That the present War Department Reservation, comprising 245.75 acres, more or less, and to which this certificate applies, is part of a larger area of 614.75 acres which was first proclaimed a Military Reservation by Executive Order on 29 January 1859, having been set aside from the public domain.

b. That on 1 April 1895 the larger area was turned over to the Interior Department, which action was rescinded by the President on 30 April 1896, on which date it again came under War Department jurisdiction.

c. That on 24 October 1942, 369 acres, more or less, of the above mentioned total, lying North and Northeasterly of the present reservation, was transferred to the Navy.

2. On the basis of such examinations I conclude that title to the land described in Block 8, Schedule A preceding vested in fee simple of record in the United States of America on 30 April 1896 and that such title continued in the United States of America to and including 9 October 1946, free and clear of all incumbrances, defects or interests impairing or adversely affecting such title, except as noted in Block 8, Schedule B-1.



Attorney

DATED 8 A.M. 10 October 1946

BLOCK 14 SCHEDULE

MEMORANDUM OF UNDERSTANDING
FOR THE TRANSFER OF
FORT TOWNSEND MILITARY RESERVATION

October 22, 1946

I. AUTHORITY

Pursuant to authority granted by the Surplus Property Act of 1944, Pub. Law 191 and Pub. Law 375, 79th Congress, War Assets Administration Reg. 16, dated June 26, 1946, and War Assets Administration Reg. 1, Order 3, dated June 13, 1946, wherein the procedures and policies relative to the transfer of Surplus Airport Property from owning agencies to disposal agencies are set forth, representatives of the Seattle Regional Office, Real Property Disposal, War Assets Administration, (hereinafter referred to as Disposal Agency) and the Seattle District Office, Corps of Engineers, U. S. Army, North Pacific Division, (hereinafter referred to as Owning Agency) are hereby convened to effect the transfer of Fort Townsend Military Reservation, Jefferson County, Port Townsend, Washington, from jurisdiction of Owning Agency to Disposal Agency.

II. GENERAL DESCRIPTION

Fort Townsend Military Reservation consists of 245.75 acres of Government-owned land, of which 128.54 acres comprises airport property and 117.21 acres comprises timberland, more or less.

The airport property consists of turf runway, sheet metal hangar, quarters and administration building, pump house, water tower and tank, as covered by WAA Form 1005 (SWPA-5) dated January 29, 1945, and supplemental WAA Form 1005 (SPB-5) dated October 21, 1946.

III. INSTALLED AND/OR MOVABLE REAL AND PERSONAL PROPERTY

- A. The installed and movable real property shall be transferred from jurisdiction of the Owning Agency to the Disposal Agency by means of execution of War Department Shipping Document, giving complete description and identifying such property with the related structure, and accountability therefor will be assumed on acceptance of property record forms in accordance with WAA Regulation 16, and WAA Regulation 1, Order 3.
- B. No personal property involved.

IV. ACCEPTANCE OF ACCOUNTABILITY

- A. The Owning Agency will make written request for the transfer of accountability for real property and the installed property involved and will specify these items by Owning Agency serial numbers of the declarations of surplus property.
- B. Joint Inventory: A joint inventory has been accomplished by representatives of the Owning Agency and the Disposal Agency to verify acceptability of records.

V. UTILITY CONTRACTS

All utility contracts now in force are in accordance with requirements for services by the Board of County Commissioners of Jefferson County, Washington, and City of Port Townsend, Washington, and no obligations to the Government are incurred thereby.

VI. PERSONNEL

There are no problems of personnel involved.

VII. DATE OF TRANSFER

The Fort Townsend Military Reservation, Jefferson County, Port Townsend, Washington, will be transferred by the Seattle District

Office, Corps of Engineers, U. S. Army, North Pacific Division,
to the jurisdiction of the Seattle Regional Office, Real Property
Disposal, War Assets Administration, at 12:01 a.m. on October 22,
1946.

VIII. OUTGRANTS AND LEASES

The Owning Agency will make an assignment of its present lease
with the County of Jefferson to the Disposal Agency on the date
it assumes custody of the installation. Copies of all outgrants
and leases will be furnished the Disposal Agency by the Owning
Agency.

Signed this 22 day of October, 1946.

For the North Pacific Division, U. S. Engineers:

Seattle Real Estate Sub-Office

/s/ L. T. England

L. T. ENGLAND

Chief, Management Section

For the District Engineer, Seattle District:

/s/ E. G. Osborne

E. G. OSBORNE

Chief, Surplus Facilities Branch

For the War Assets Administration:

/s/ Arnold H. Dreus for

C. R. FLEMING

Deputy Regional Director
Office of Real Property Disposal

WAR DEPARTMENT
OFFICE OF THE DIVISION ENGINEER
NORTH PACIFIC DIVISION
PORTLAND, OREGON

AFDRL

NPD 602 (Fort Townsend
Military Reservation)

Surplus Real Estate Directive
Pacific Division No. 2605-3
Seattle District No. 651-3

SUBJECT: Supplemental - Closing Directive 31 October 1946

TO: District Engineer and Chief, Seattle Real Estate Sub-Office
U. S. Engineer Office North Pacific Division
1400 Textile Tower 4735 East Marginal Way
SEATTLE 1, WASHINGTON SEATTLE 4, WASHINGTON

1. War Assets Administration has assumed custody and physical accountability of Fort Townsend Military Reservation as of 12:01 a.m., 22 October 1946.

2. The District Engineer shall transfer accountability and responsibility for all real property and all military personal property to the War Assets Administration as of 12:01 a.m., 22 October 1946.

3. The Real Estate Sub-Office shall transfer all outgrants to the War Assets Administration as of the above date of transfer. Assignment of the present lease with County of Jefferson will also be made to the War Assets Administration.

FOR THE DIVISION ENGINEER:



CHARLES S. COHN
Chief, Management and Disposal Branch
Real Estate Division

245.15 acres

DISTRIBUTION:

Real Estate Division 7 cys
Division Office 5 cys
Seattle District 16 cys
Seattle Sub-Office 4 cys

DECLASSIFIED

Authority NND 974372By AB NARA Date 3/13/03WD13/H1-13
T49-39-~~PT~~
B-412.2/WB:tc

30 JUN 1948

To: Commandant, U.S. Coast Guard, Washington, D.C.

Subj: Transfer of former U.S. Naval Explosives Investigation Laboratory, Port Townsend, Jefferson County, Washington.

Refs: (a) Ltr, Comdt US Coast Guard to BuDocs, dated 4 May 1948 - Serial CG 131.
(b) Public Law 527, 79th Congress, Second Session, approved 7 August 1946.

1. In accordance with the request made in Reference (a), and pursuant to authority of Reference (b), there is hereby transferred to the Coast Guard, jurisdiction, administration, custody and control of a parcel of land together with all buildings and improvements located thereon in Jefferson County, Washington, constituting the former U.S. Naval Explosive and Investigation Laboratory, Port Townsend, Washington, the land being more completely described in Enclosure 1 to this letter, and as delineated on a map entitled Port Townsend Military Reservation, attached as Enclosure to this letter.

Encls (EM)
Description and Map

cc: Com13 (with enclosures)
BuOrds
B-411.1 (Mr. Dezzmann)
B-412.3 (Mr. Brightwell)

Jack H. O'Connell

Commissioner of Customs and
Excise
Department of the Treasury
acting under the direction of
the Secretary of the Treasury

Recd
Est
Fu

E-11

DECLASSIFIED

Authority NND 974372By AB NARA Date 3/13/03

FORT TOWNSEND MILITARY RESERVATION
WASHINGTON

Portion Transferred to Navy Department
By Letter dated 24 October 1942.

A parcel of land in Sections 21, 22, 27 and 28, Township 30 North, Range 1 West, Willamette Meridian, Jefferson County, Washington, as follows:

Beginning at a stone monument marking an angle point in the reservation boundary from which the southeast corner of said Section 28 lies S. 0 deg. 27' 30" W. 4684.46 feet and S. 89 deg. 55' 28" E. 799.22 feet, said point of beginning also being the northwest corner of Lot 10 said Sec. 28;

From the initial point;

N. 89 deg. 45' W. 1055.45 feet;

N. 2 deg. 16' 30" E. 3250.64 feet to a brick monument;

S. 88 deg. 50' E. 4418.1 feet to a stone monument;
on the edge of a bluff;

S. 88 deg. 50' E. to Port Townsend Bay;
Southerly along Port Townsend Bay to a line
3248 feet more or less South of last described
course;

N. 89 deg. 45' W. to a stone monument on top of bluff;

N. 89 deg. 45' W. 4091.2 feet to the point of beginning.

The tract as described contains 369 acres more or less.

Steve Kolodney, Director
Washington State Department of Information Services
415 - 15th Ave SW
Olympia, Washington 98504-2460

November 14, 2000

RECEIVED

JAN 08 2001

Dear Mr. Kolodney:

ASST. DIR. OPER

I have reoccurring nightmares and cold sweats regarding a location near Port Townsend, Washington. I was stationed there during WWII at a small Naval Base called Explosives Investigation Laboratory. A major function there was to X-ray recovered enemy explosives, especially torpedoes, to see if they had been booby trapped. This allowed for booster charges (detonators) to be safely removed. Later, as the war was winding down, we X-rayed valves and fittings from ships the check for cracks and or weaknesses.

At the base, we had some concrete structures used for storing a variety of explosives. Finally, when it became time to decommission the base, we detonated the explosives on a beach area. We'd use a smaller charge of explosives to provide a crater in which larger quantities of explosives could be placed for detonation.

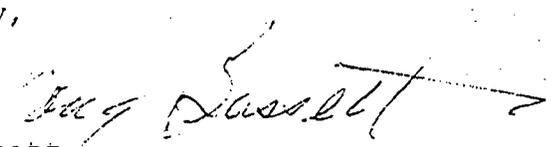
At one point, our efforts resulted in a fire on the steep hillside at the edge of the beach area. We tried to extinguish the fires with our portable fire fighting gear but soon called on the Port Townsend Fire Department for help. Ultimately, the fire was extinguished with little damage to the area.

This gets me to my ongoing fear. I am concerned that there might be some unexploded items on that beach area mentioned. Certainly stranger things have happened. I really feel it would be wise to have a demolition expert check out the area. The area is directly down the steep slope from the point that our barracks were situated.

If you wish, I will be pleased to provide further details.

The base, by the way, is where a state park is now situated.

Sincerely,


Doug Bassett
7865 East Mississippi Ave.
Denver, CO 80231
303-388-8922

E-12



STATE OF WASHINGTON

WASHINGTON STATE PARKS AND RECREATION COMMISSION

7150 Cleanwater Lane • P.O. Box 42650 • Olympia, Washington 98504-2650 • (360) 902-8500

Internet Address: <http://www.parks.wa.gov>

TDD (Telecommunications Device for the Deaf): (360) 664-3133

January 24, 2001

Doug Bassett
7865 East Mississippi Avenue
Denver, Colorado 80231

Dear Mr. Bassett:

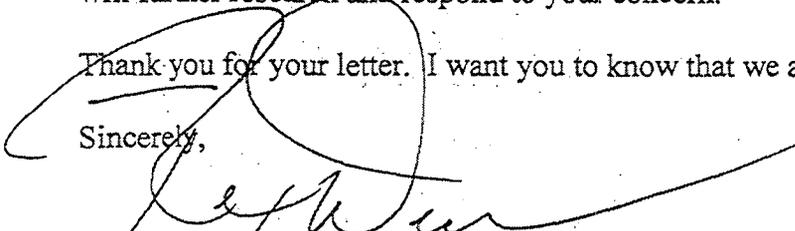
Your November 14, 2000 letter to Steve Kolodney, Director of the Washington State Department of Information Services has been routed to me for response since the property involved is a Washington State Park. I appreciate the opportunity to learn more about the history of Old Fort Townsend State Park and to address the issue you identify.

Your concern about the possibility of unexploded munitions at Old Fort Townsend is very difficult to answer. I have asked Jim Farmer, Manager of the Fort Worden State Park Area, which includes Old Fort Townsend, to look into this matter. Manager Farmer informs me that the property transfer records that turned the property over to Washington State Parks do not address the possibility of unexploded munitions. Furthermore, we find nothing in the records to indicate that we have found any evidence of munitions during our 43 year ownership of the property.

I have forwarded your letter to Jonathan Maas of the Seattle office of the Army Corps of Engineers. The Corps of Engineers administers a program regarding Formerly Used Defense Sites that exists to address federal government responsibilities on former military properties. Mr. Farmer has also spoken to Mr. Maas by telephone and Mr. Maas will further research and respond to your concern.

Thank you for your letter. I want you to know that we are taking it very seriously.

Sincerely,


Rex Derr, Acting Assistant Director, Operations

cc Cleve Pinnix, Director, Washington State Parks
Frank Boteler, Deputy Director
Wayne McLaughlin, Chief, Programs and Services
Jonathan Mass, Program Manager, US Army Corps of Engineers
Jim Farmer, Park Manager, Fort Worden Area

E-12



DEPARTMENT OF THE ARMY
SEATTLE DISTRICT, CORPS OF ENGINEERS
P.O. BOX 3755
SEATTLE, WASHINGTON 98124-3755

REPLY TO
ATTENTION OF

10 May 2002

Environmental Management Branch (CENWS-PM-EM)

Doug Bassett
7865 East Mississippi Ave
Denver, Colorado 80213

Dear Mr. Bassett,

Thank you for speaking with me on the telephone last week about your experiences at Fort Townsend during WWII. The information you provided about ordnance disposal was very helpful, and will assist the Corps in making a determination about what additional investigations, if any, may be called for concerning potential unexploded ordnance on the property.

As promised, I have enclosed two copies of the 1945 facility map. I would very much appreciate it if you could make notes on one copy, and return it to me, about the kinds of ordnance and explosives you dealt with and where they were disposed of. Whatever information you can recall about explosives handling, storage and quantities would be very helpful too.

Sincerely,

Jonathan A. Maas
Project Manager
Defense Environmental
Restoration Program for
Formerly Used Defense Sites

Department of the Army
Seattle District, Corps of Engineers
P.O. Box 3755
Seattle, Washington 98124-3755
Attention: Jonathan A. Maas, Project Manager
Environmental Management Branch (CENSW-PM-EM)

From: Doug Bassett
7865 E. Mississippi Ave., #306
Denver, CO 80231
(303) 388-8922

1. X-Ray lab. No explosive materials there at time of base decommissioning.
2. Magazine. My memory tricked me into thinking there were three. There was only one.
3. Explosives disposal area. A few explosive devices were linked and set off to create a crater in which to place what we had left (except for small arms munition): a couple of depth charges, 12 or so land mines, blocks of TNT, and several dynamite sticks. Boosters for hand grenades were removed from casings and detonated near the barracks area. After the second explosion, we observed smoke in various hillside locations. We strapped on fire fighting tanks but it didn't take long to realize we wouldn't be able to control the fire so the Port Townsend Fire Department was called in. The fire was under control in a couple of hours. However, that wasn't the only problem. We learned that a few men who were wearing headphones tuned in to underwater sounds were fairly well blasted out of their chairs by the noise. No serious injuries were reported but there were a few angry servicemen. There was also an angry chicken farmer. He apparently told the Navy that he lost 5,000 chicks that failed to hatch due to the explosion. There were other stories that, like these, may or may not have been true.

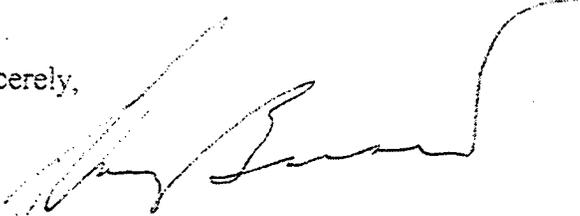
I was an electrician's mate 3/c and my assignments, for the better part of my tour of duty there, were carried out at the laboratory. I loaded film packets for x-rays, placed packets in appropriate target locations, and, after shutting down the x-ray machine, I retrieved the film packets for processing. The dark room, tanks, chemicals, etc., comprised another part of my job. The lab was manned around the clock for security purposes. We had a bunk area on the top deck. It was elevated about 10 feet from floor level and accessed by ladder. This was to protect personnel from potential yet unlikely problems with containers of liquid oxygen, for example. Liquid oxygen was used to avoid overheating during use of the x-ray machine. While on watch there, we all carried a side arm. In all the time there, I only saw an occasional bear and plenty of deer.

I have enclosed a photo of what I believe was the first explosion. It may be of some help to isolate the actual site.

I hope this is helpful information but bear in mind that it's coming from a 75 year-old brain attempting to recall events over 55 years ago.

I also want to thank you for taking the matter seriously. It has been a reoccurring nightmare for me over the years.

Sincerely,

A handwritten signature in cursive script, appearing to read "K. Doug Bassett". The signature is written in dark ink and is positioned above the printed name.

K. Doug Bassett





REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
SEATTLE DISTRICT, CORPS OF ENGINEERS
P.O. BOX 3755
SEATTLE, WASHINGTON 98124-3755

COPY

12 August 2002

Environmental Management Branch (CENWS-PM-EM)

Doug Bassett
7865 East Mississippi Ave.
Denver, Colorado 80213

Dear Mr. Bassett,

This is a follow-up to our earlier communications on Fort Townsend. I received your letter, photograph of a beach explosion, and map with explanatory notations. All of these are very interesting and will be extremely useful in our future re-evaluation of the property.

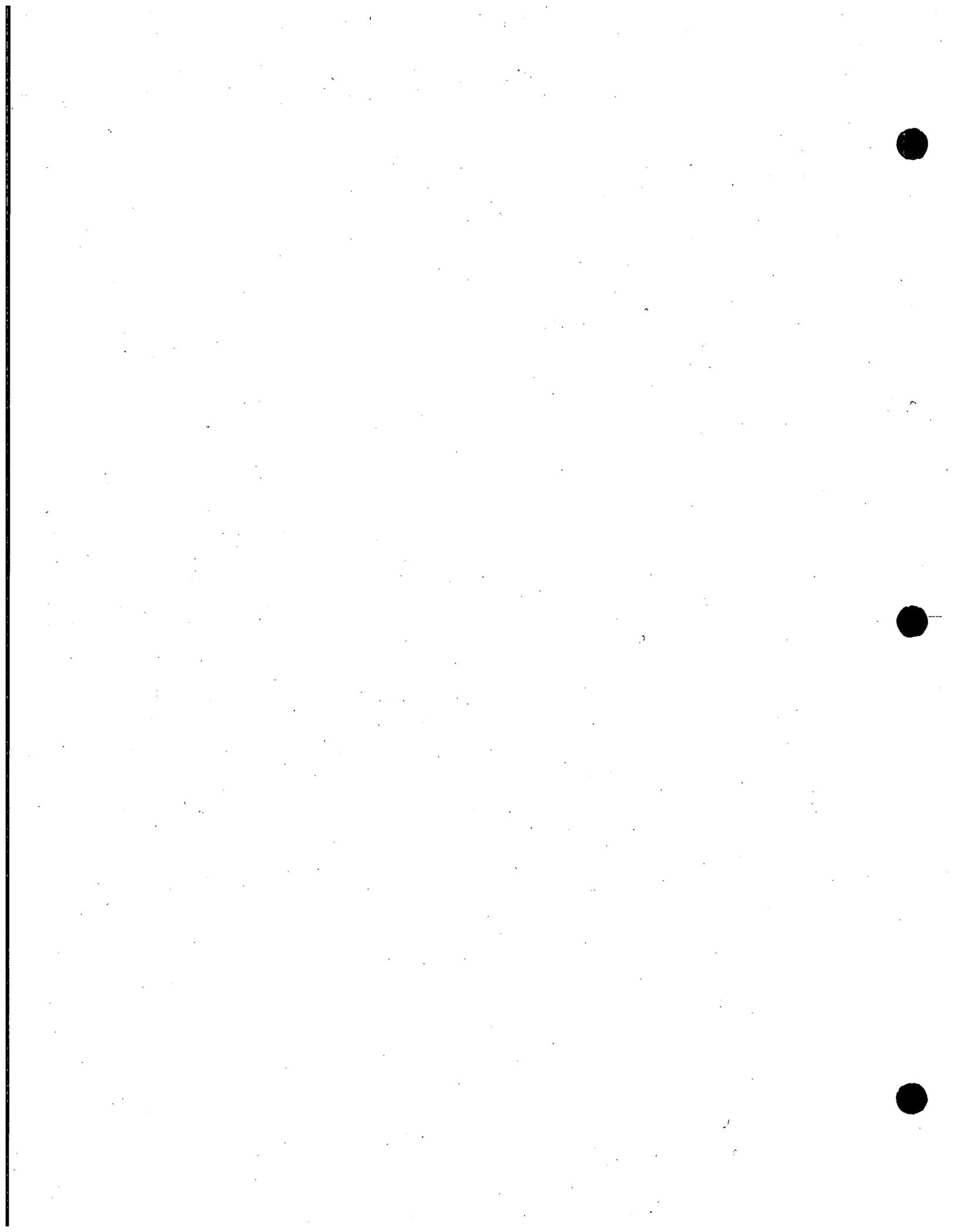
Approval has been received, and funding programmed, to conduct an Archive Search Report (ASR) on the site by the St. Louis District during the coming year. An ASR is an intensive review of historical records, interviews with knowledgeable people like yourself, and a site visit to determine what further steps, if any, may be needed to deal with potential ordnance hazards. St. Louis District has been doing this sort of work for several years. They operate under the direction of the Corps' Center of Expertise for Ordnance in Huntsville, AL.

I wish to take this opportunity to thank you for all your assistance thus far. I will keep you informed as the project progresses. If you have any questions or comments, please to not hesitate to contact me, by telephone at (206) 764-6745, by e-mail jonathan.a.maas@usace.army.mil or by regular mail at the address above.

Sincerely,

Jonathan A. Maas
Project Manager
Defense Environmental
Restoration Program for
Formerly Used Defense Sites

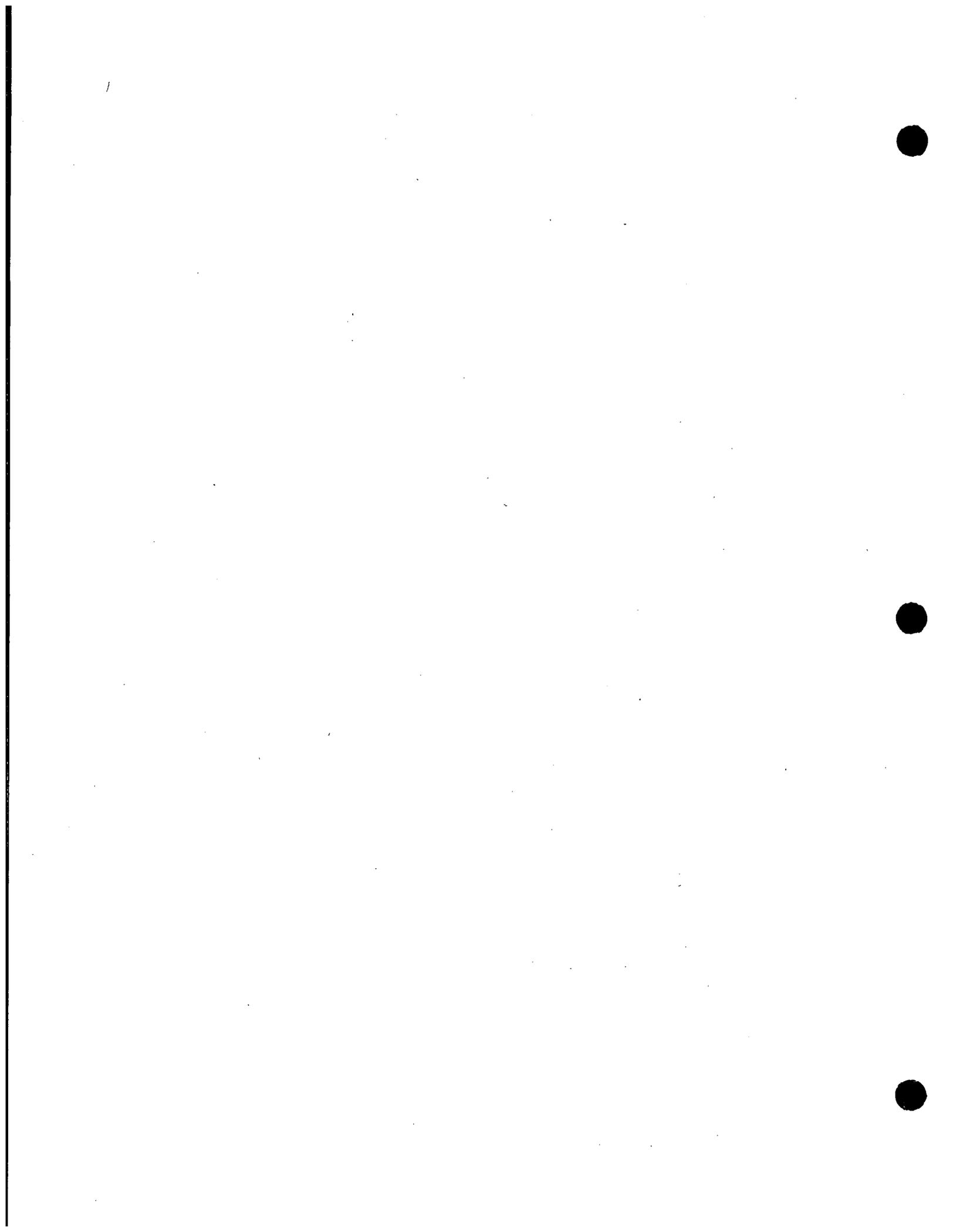
E-12



ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
FORT TOWNSEND
PORT TOWNSEND, WASHINGTON
PROJECT NUMBER F10WA032201

APPENDIX F

Still Photograph References

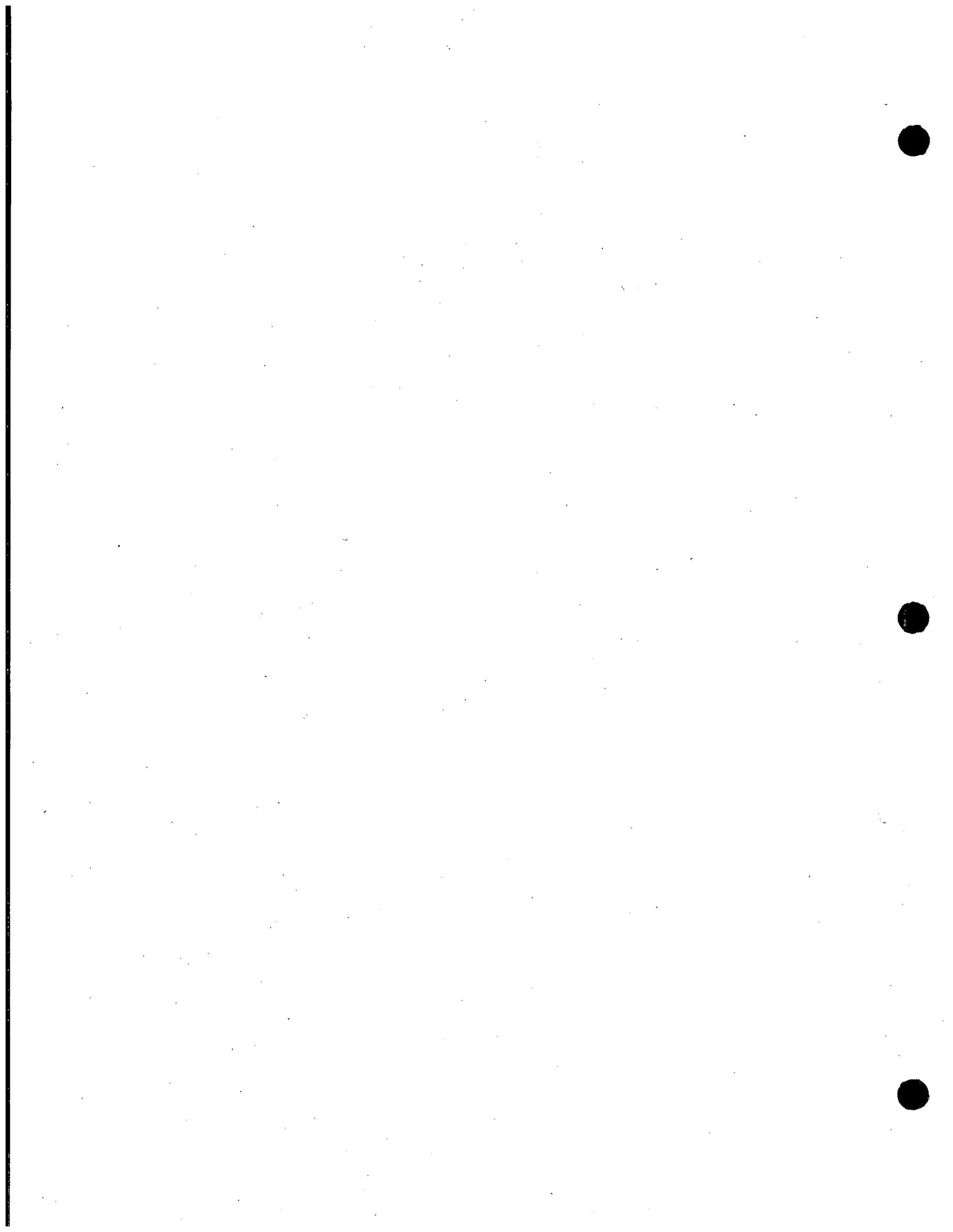


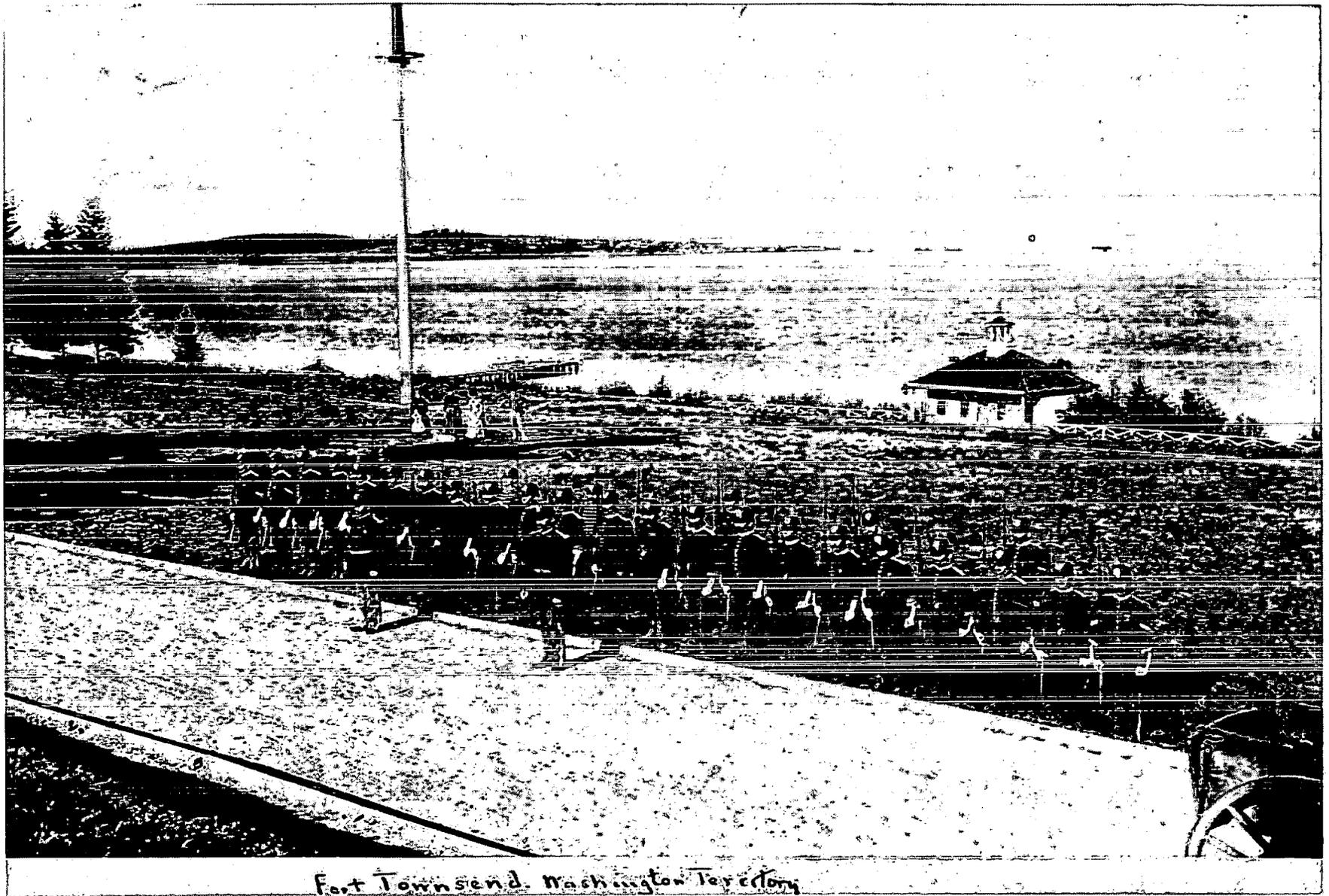
APPENDIX F

Still Photograph References

Table of Contents

- F-1 Photo of soldiers in dress uniforms standing on the parade grounds just in front of the guard shack taken some time in the late 1870's. (B-18)
- F-2 Photo of Fort Townsend taken some time between 1870 and 1880. (B-19)
- F-3 Photograph of one of the clean-up detonations on the beach during the base closure. (B-20)





Fort Townsend, Washington Territory

F-1 Photo of soldiers in dress uniforms standing on the parade grounds just in front of the guard shack taken some time in the late 1870's.





F-2 This photo of Fort Townsend taken some time between 1870 and 1880 shows the stables and the layout of most of the other buildings.





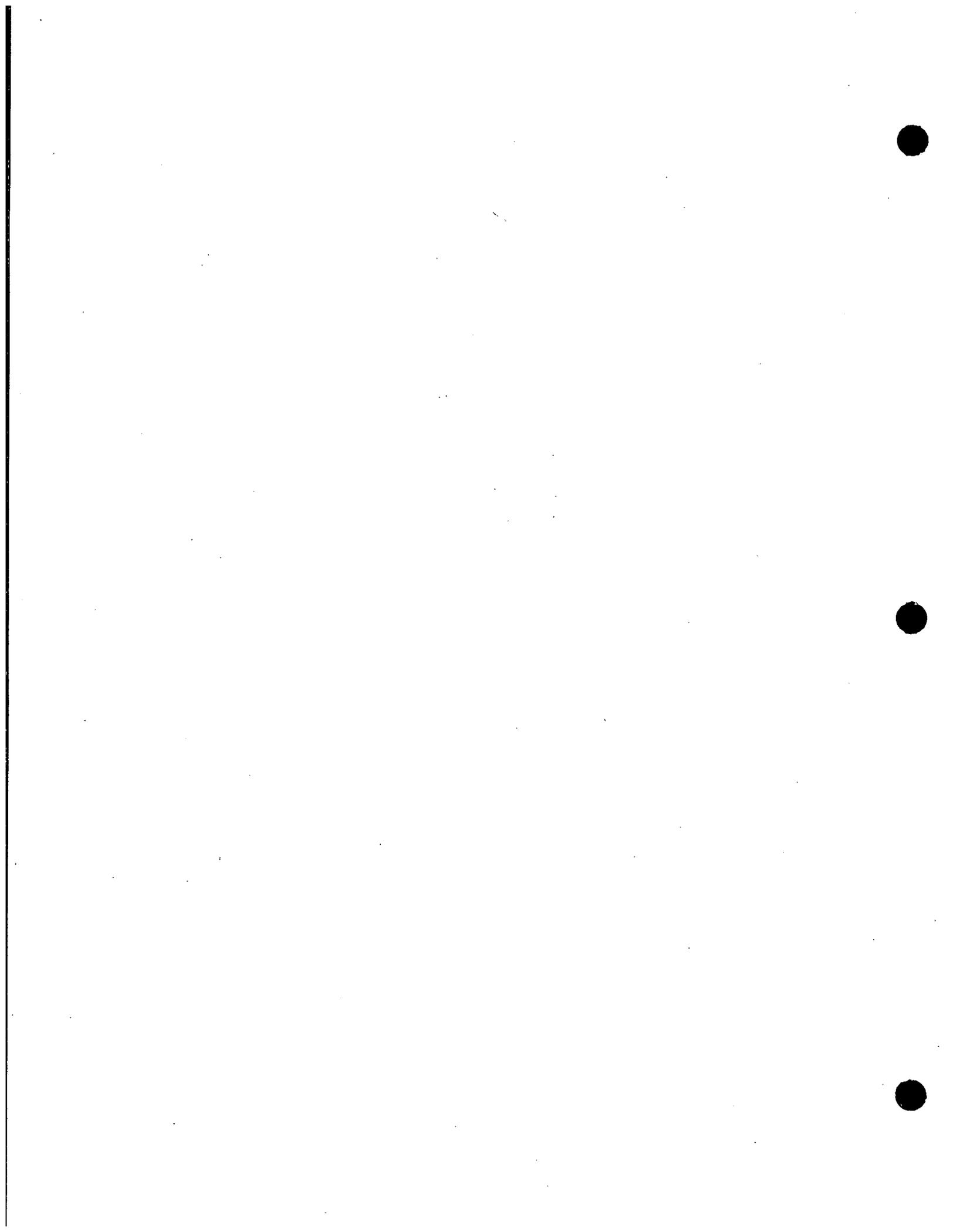
F-3 This photograph is of one of the clean-up detonations conducted on the beach during the base closure. (Donated by Mr. Doug Bassett who took the photo)



ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
FORT TOWNSEND
PORT TOWNSEND, WASHINGTON
PROJECT NUMBER F10WA032201

APPENDIX G

Maps and Drawings



APPENDIX G

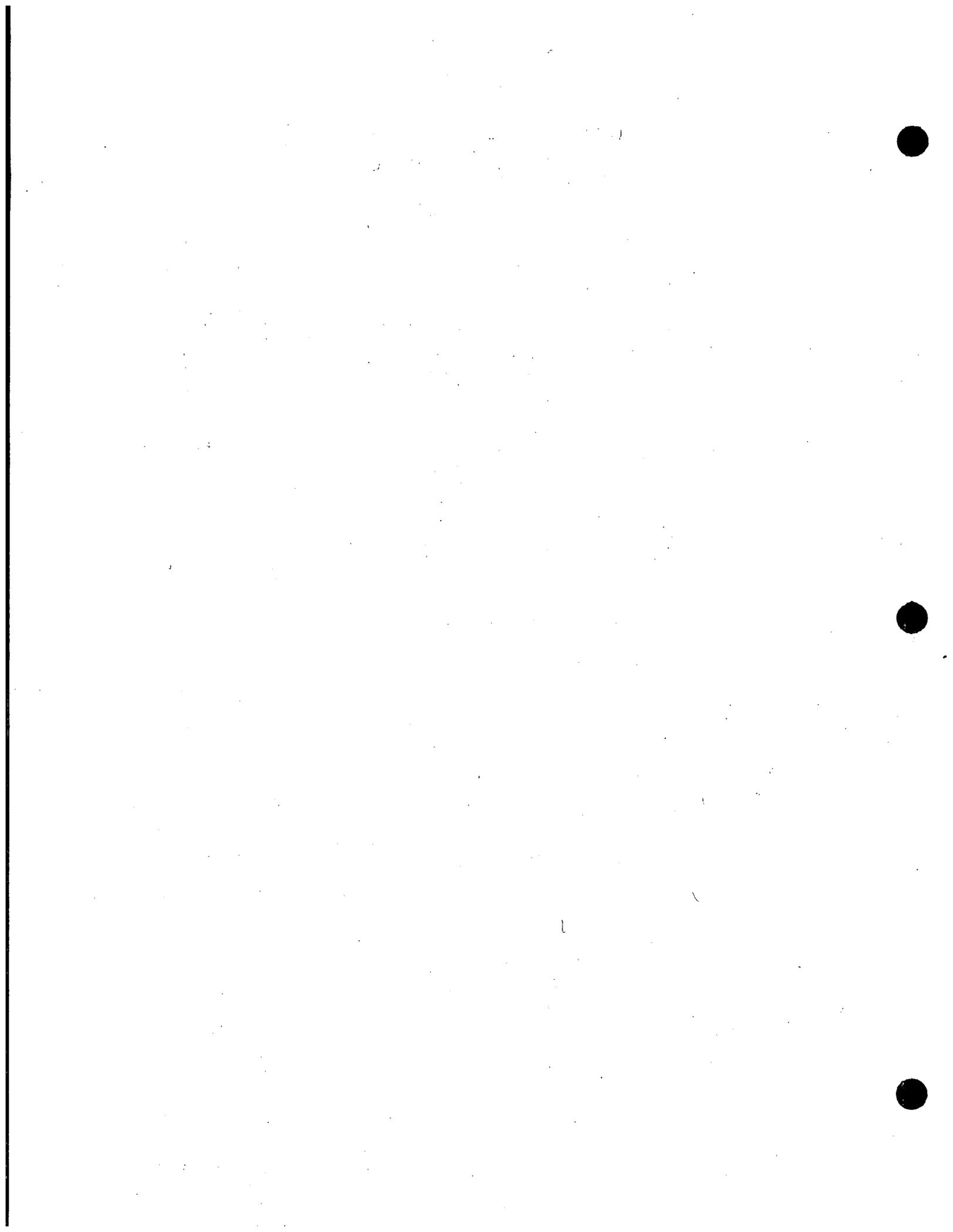
Maps and Drawings

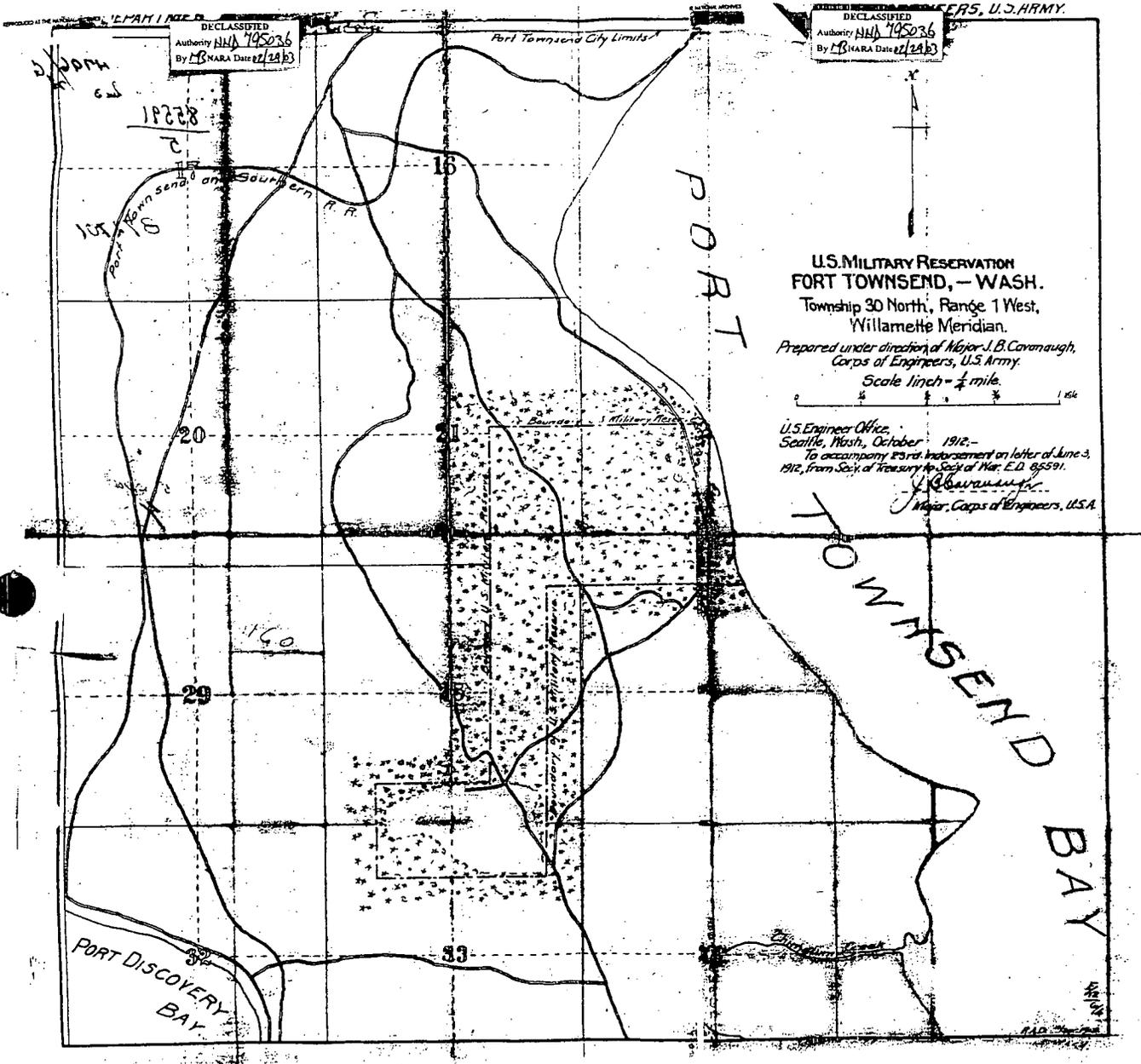
Table of Contents

G-1 Map of Fort Townsend circa 1912. (B-21)

G-2 As built map for the landing field at Fort Townsend,
circa 1939. (B-22)

G-3 Map of Explosives Investigation Laboratory showing site
layout circa 1944. (B-23)





DECLASSIFIED
 Authority NND 795036
 By LBNARA Date 02/24/03

DECLASSIFIED
 Authority NND 795036
 By LBNARA Date 02/24/03

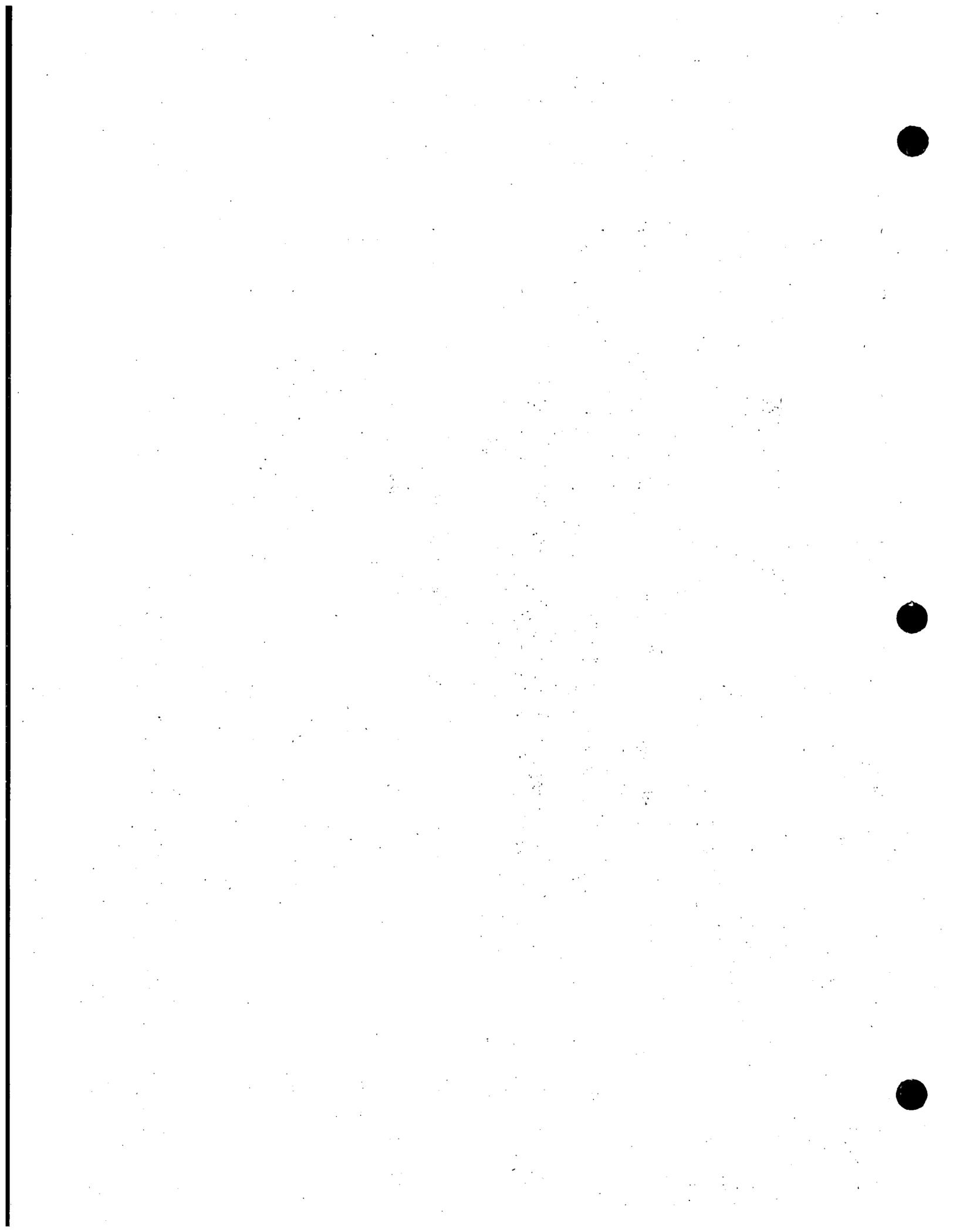
**U.S. MILITARY RESERVATION
 FORT TOWNSEND, - WASH.**

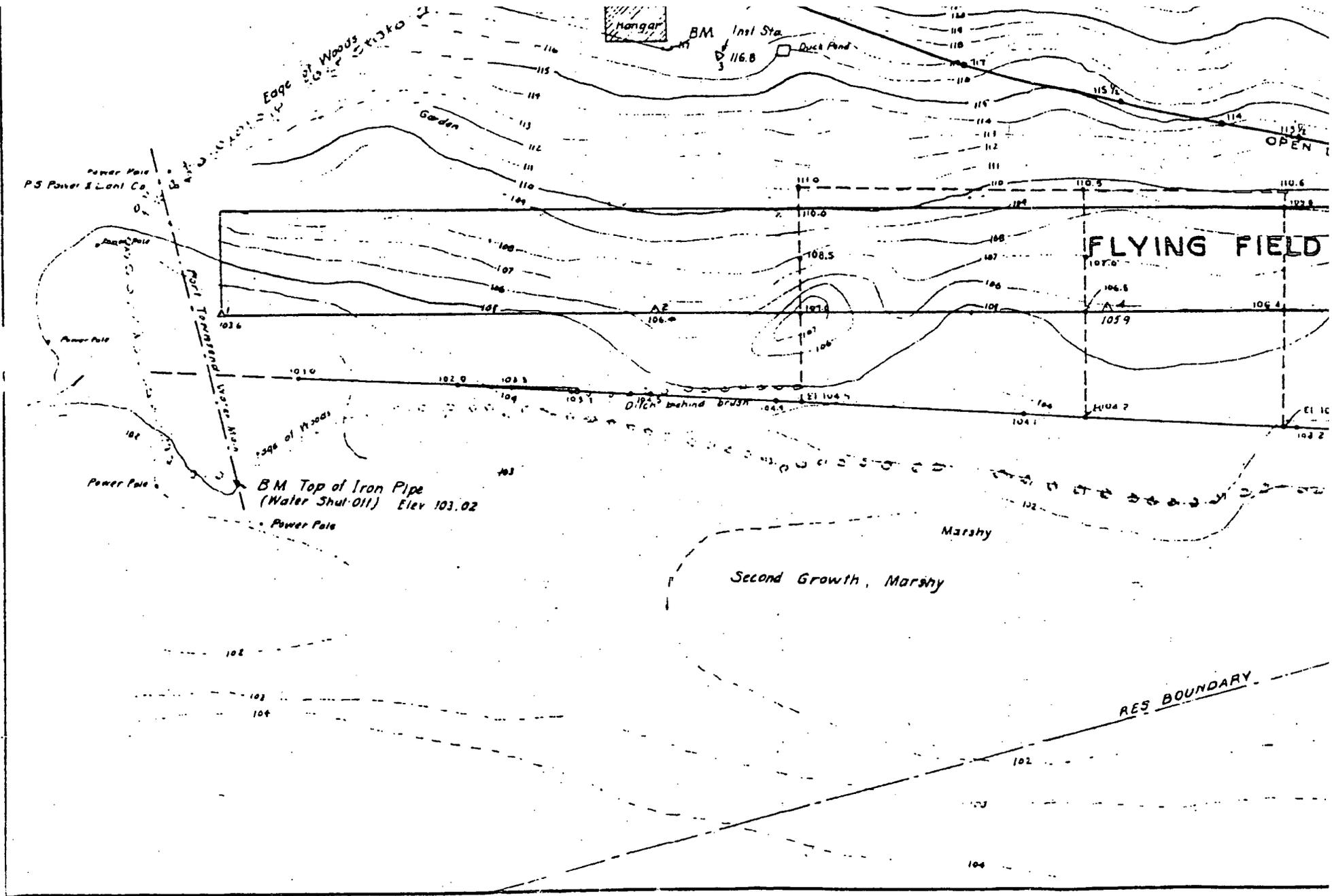
Township 30 North, Range 1 West,
 Willamette Meridian.

Prepared under direction of Major J. B. Cavanaugh,
 Corps of Engineers, U.S. Army.
 Scale 1 inch = 1/4 mile.

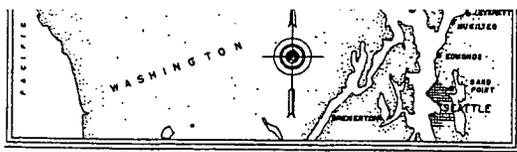
U.S. Engineer Office,
 Seattle, Wash., October 1912.
 To accompany Board Indorsement on letter of June 3,
 1912, from Sec'y of Treasury to Sec'y of War, E.O. 85591.

J. B. Cavanaugh
 Major, Corps of Engineers, U.S.A.

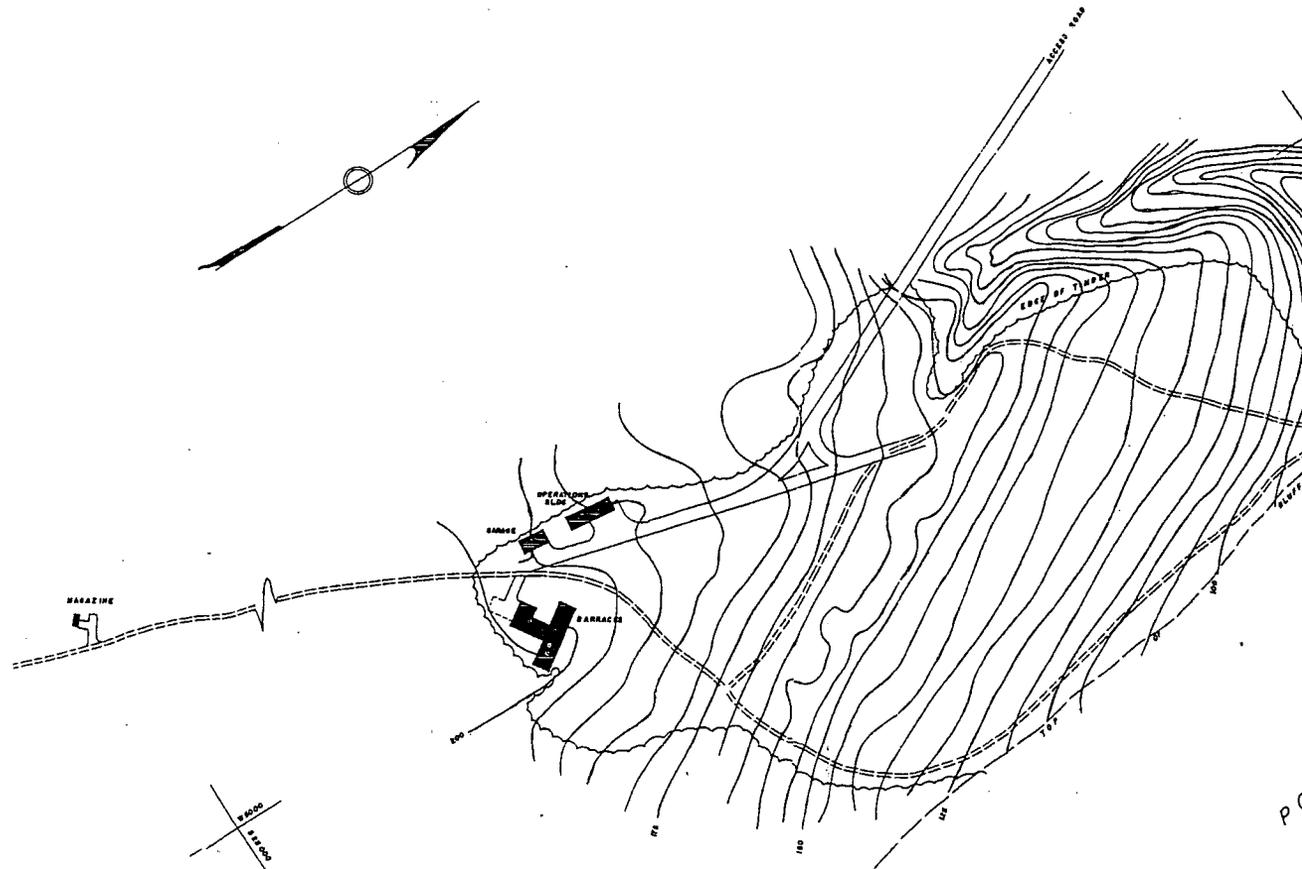
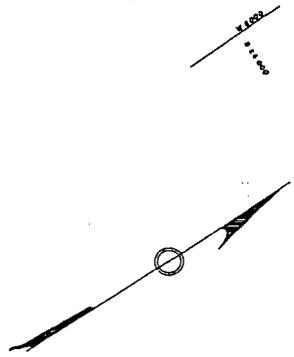
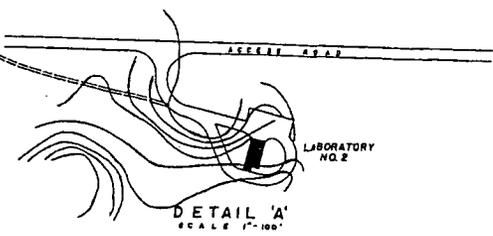








VICINITY MAP
SCALE 1 INCH = 50 MILES



P C

R



ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
FORT TOWNSEND
PORT TOWNSEND, WASHINGTON
PROJECT NUMBER F10WA032201

APPENDIX H

INTERVIEWS

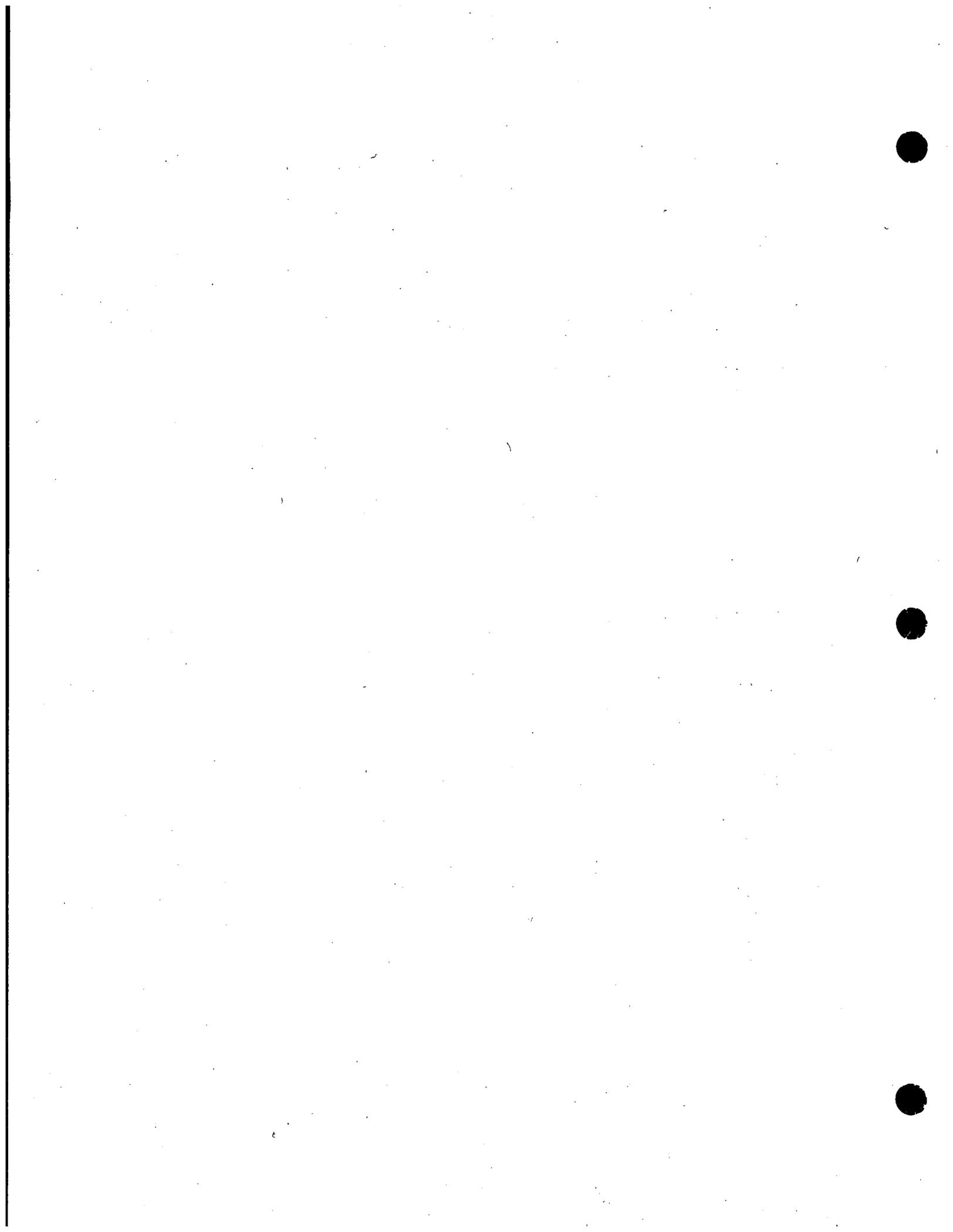


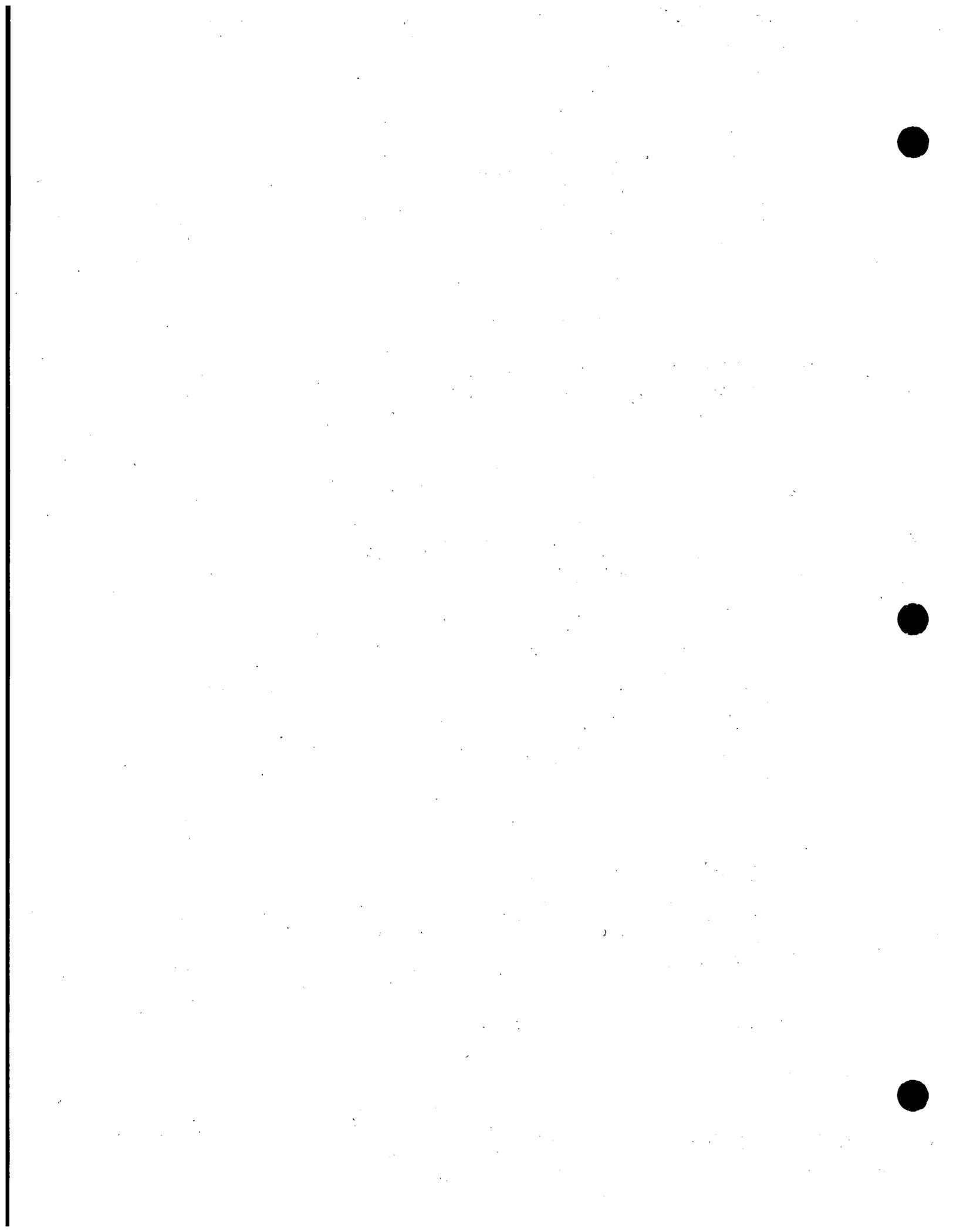
APPENDIX H

INTERVIEWS

Table Of Contents

- H-1 Interview with Mr. Doug Bassett
- H-2 Interview with Park Ranger Robert Wiggins
- H-3 Interview with Mr. Tom Wacker





CONVERSATION RECORD	TIME 1000	DATE 9 July 2003
---------------------	--------------	---------------------

TYPE

VISIT CONFERENCE TELEPHONE
 INCOMING
 OUTGOING

NAME OF PERSON CONTACTED Park Ranger Robert Wiggins	ORGANIZATION Washington State Parks Department	TELEPHONE NO. (306) 385-3595
---	--	--

SUBJECT Fort Townsend # F10WA032201

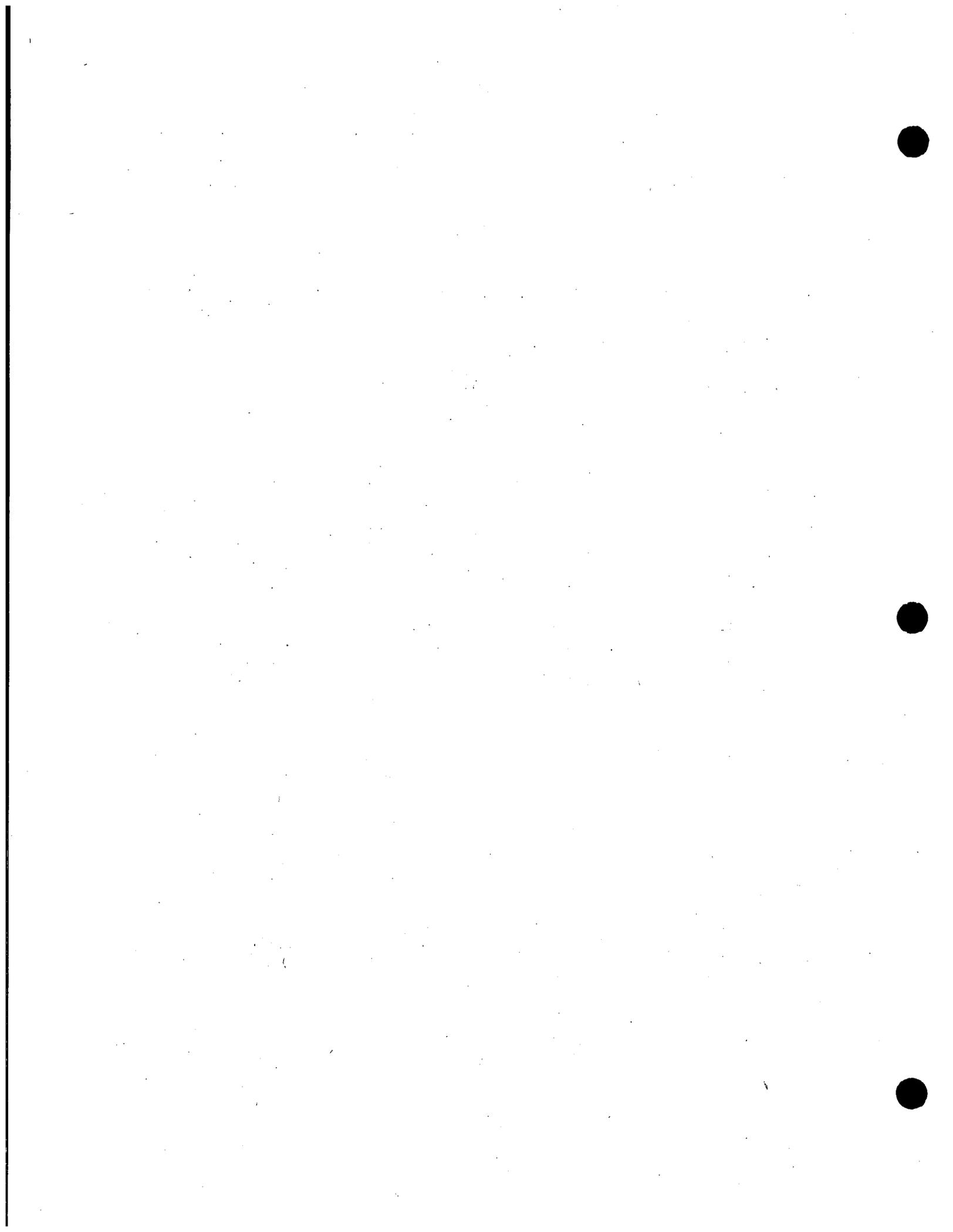
SUMMARY

Ranger Wiggins is in charge of the "Old Fort Townsend" state park on July 9th he accompanied the SI team on the first leg of the on site investigation showing the team the beach area that belonged to the parks department. He also took the team to the site of the explosives bunker. Mr. Wiggins stated that he had been in charge of the park for the last seven years and had never seen or heard of any OE related material being found on or around the Fort area. He also stated that the only endangered species on the park was an occasional Bald Eagle.

ACTION REQUIRED

None

NAME OF PERSON DOCUMENTING CONVERSATION Timothy R Holland	ORGANIZATION CEMVR-ED-DO	TELEPHONE NUMBER (309) 794-5432
SIGNATURE	TITLE UXO Spec	DATE 9 July 2003



CONVERSATION RECORD	TIME 0800	DATE 11 July 2003
---------------------	--------------	----------------------

TYPE

<input checked="" type="checkbox"/> VISIT	<input type="checkbox"/> CONFERENCE	<input type="checkbox"/> TELEPHONE
		<input type="checkbox"/> INCOMING
		<input type="checkbox"/> OUTGOING

NAME OF PERSON CONTACTED Tom Wacker	ORGANIZATION Tailspin Tommy's	TELEPHONE NO. (306) 385-6394
---	---	--

SUBJECT Fort Townsend # F10WA032201

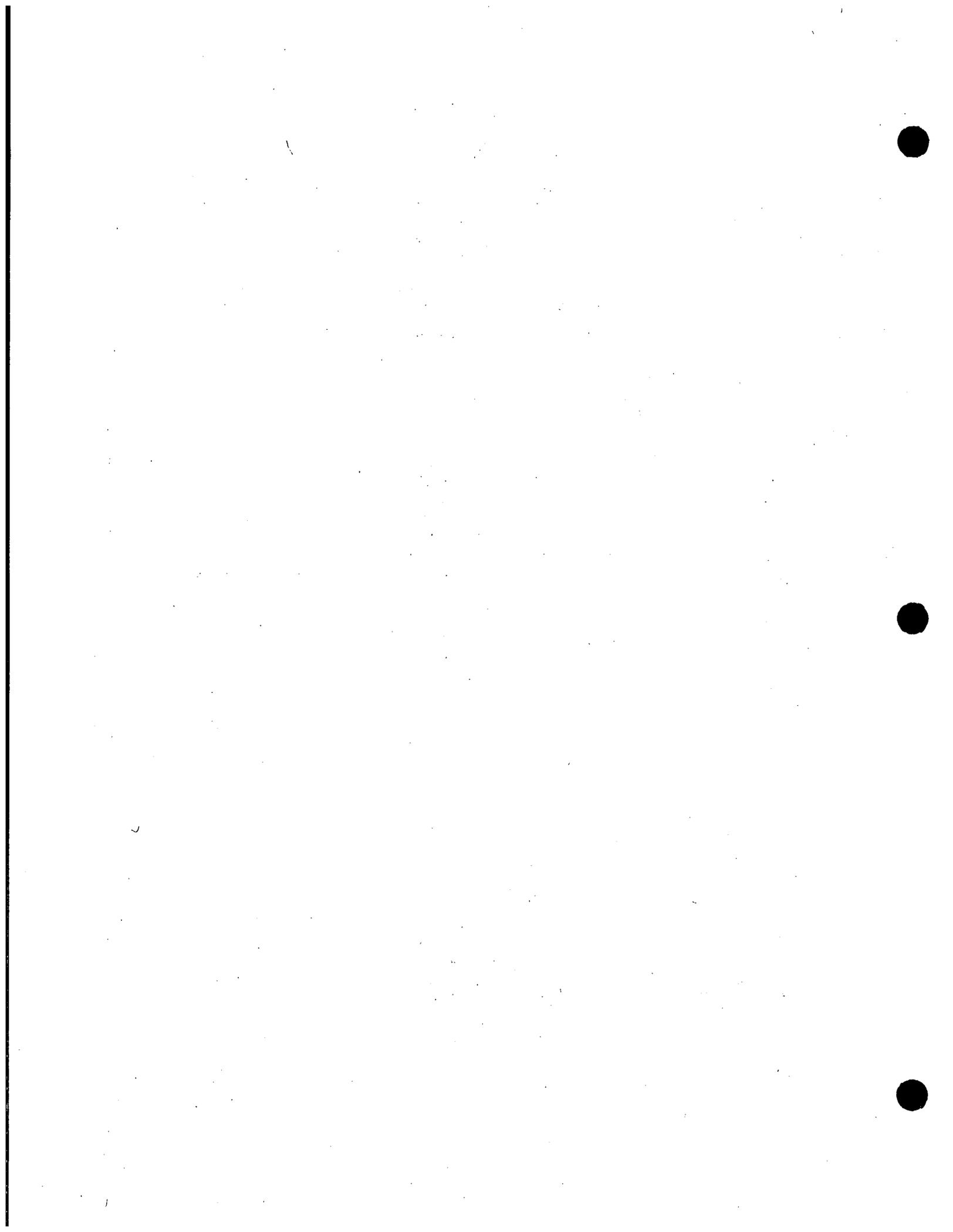
SUMMARY

Mr. Wacker is the owner and operator of Tailspin Tommy's, which is the maintenance company that is operated out of the only hanger the military left on the site. Mr. Wacker stated to the SI team that he had done some extensive metal detecting on the airport over the years and the only OE related material he had ever found was 30-06 rifle brass with military head stamps from the late 30's to early 40's. He also showed the SI team the general layout of the old airstrip.

ACTION REQUIRED

None

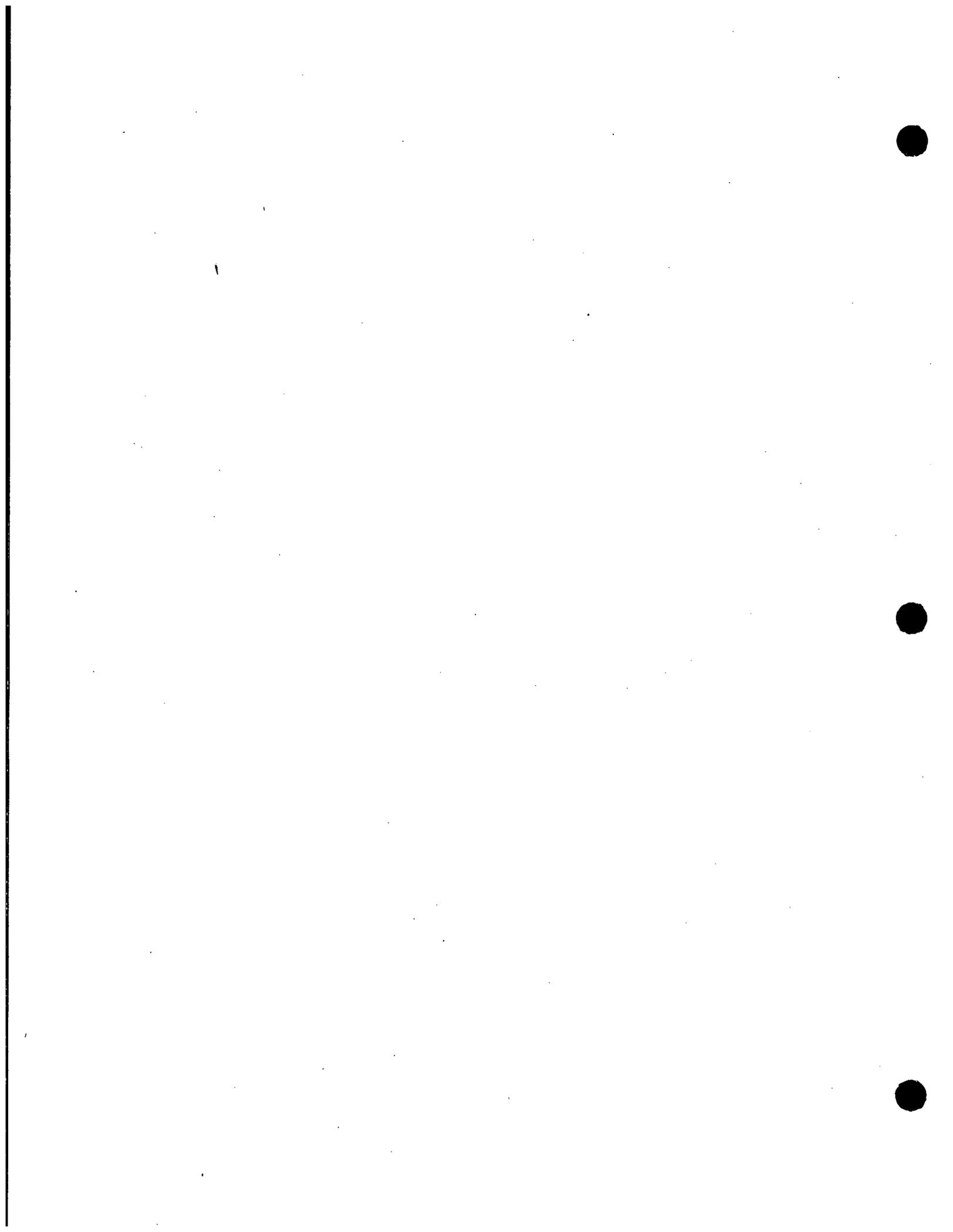
NAME OF PERSON DOCUMENTING CONVERSATION Timothy R Holland	ORGANIZATION CEMVR-ED-DO	TELEPHONE NUMBER (309) 794-5432
SIGNATURE	TITLE UXO Spec	DATE 11 July 2003



ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
FORT TOWNSEND
PORT TOWNSEND, WASHINGTON
PROJECT NUMBER F10WA032201

APPENDIX I

Site Safety and Health Plan



U.S. ARMY CORPS OF ENGINEERS
ROCK ISLAND

DEFENSE ENVIRONMENTAL RESTORATION PROGRAM
for
FORMERLY USED DEFENSE SITES
ORDNANCE AND EXPLOSIVES

APPENDIX A-309

**Old Fort Townsend
Port Townsend, Washington
PROJECT NUMBER F10WA032201**

1. PURPOSE

The purpose of this appendix is to provide specific site characteristics of OE potential for the Fort Townsend, Jefferson county Washington. This appendix supplements the main safety plan.

2. ON-SITE ORGANIZATION/COORDINATION

Members of the inspection/coordination (SI) team are shown in Table A-309.1. The number of inspection personnel team members on-site will not exceed 4 per inspection. Guides, property owners, and escorts are not included in this figure. However, the number of personnel present on the site must be kept to a minimum consistent with safe and efficient inspection practices.

TABLE A309.1 ON-SITE ORGANIZATION/COORDINATION			
Function	Organization	POC	Telephone
Assessment Team	CEMVR-ED-DO	Timothy R. Holland UXO Safety Spec	(309) 794-5432
	CEMVR-ED-DO	George Ofslager Chemist	(309) 794-5502
Geographic District Support	CENED-RE-AM	Robert Batt	(617) 647-8590
Project Engineer	CEMVR-ED-DO	Robert E. Hoffman Environmental Engineer PE	(309) 782-1492
Function	Organization	POC	Telephone
Industrial Hygiene	MCXM-PMA	Bob Platt Hygienist	(309) 782-0807
HNC Support	CEHNC-OE-EM	Wayne Galloway	(256) 895-1582
		UXO Safety Spec	(800) 627-3532 PIN 707-2534

3. SITE DESCRIPTION

a. The former Fort Townsend consists of 614.75 acres located in Jefferson County, approximately 4 miles south of Port Townsend.

b. The United States Navy acquired and utilized the site from late 1930 to 1946. The site was used as a training base.

4. LIST OF EMERGENCY TELEPHONE NUMBERS

TABLE A284.2 EMERGENCY PHONE NUMBERS		
FUNCTIONS	ORGANIZATION	TELEPHONE
Medical Facility:	Fire Department	911
Police Department	Port Townsend	(360) 385-2322
Fire Department	Volunteer	911
Safety Office	COE, Huntsville, AL	(256) 895-1582
Explosive Ordnance	53d Ord Co (EOD)	(509) 577-3376
Disposal	Yakima, WA 98901	

5. ORDNANCE AND EXPLOSIVE WASTE POTENTIAL

Table A309.3 lists items that may have been utilized at the former Mojave Gunnery Range and potential hazards associated with each.

TABLE A309.3 POTENTIAL OF HAZARDS AND EVALUATION	
OE	POTENTIAL HAZARD
Small Arms Ammunition Tracer	Moderate Fire
Aircraft Cannon Ammunition	Blast Fragments and Fire
Propellant	Mass Fire
Practice Bombs	Mass Fire
High Explosive Bombs	Blast Fragments and Fire
Practice Rocket	Mass Fire

6. PERSONAL PROTECTIVE CLOTHING

a. Table A309.4 includes personal protective equipment that must be readily available should it be required/needed. As each site presents a unique set of circumstances, the determination of "need" shall be based on the information in the following table, and determined by the team leader.

TABLE A309.4
PERSONNEL PROTECTIVE CLOTHING

WORK AREA/ZONE	JOB FUNCTION/TASK	LEVEL OF CLOTHING
All Areas	Visual Inspection	Safety Shoes (as req'd) Hard Hat (as req'd) Eye Protection (as req'd) Hearing Protection (as req'd)

b. Table A309.5 lists specialized equipment anticipated for general safety purposes. The team leader is responsible for determining appropriate use of the equipment.

TABLE A309.5
GENERAL EQUIPMENT

TYPE	COMMENT
Global Positioning System (GPS)	Used to determine locations of OE and significant landmarks.
Magnetometer	Used to enhance safety by reducing the threat of unseen OE. Will not be used as the sole safety precaution in areas of dense brush.
First Aid Kit	Used to treat any minor injuries
Cellular Phone	Used to request medical or other assistance, as required.

7. SITE SAFETIES AND STANDING OPERATING SAFETY PROCEDURES, ENGINEERING CONTROLS, AND WORK PRACTICES

a. General Precautions: Prior to the on-site visit, all team members are required to read this SSHP and sign the form acknowledging that they have read and will comply. In addition, the SSHO shall hold a brief tailgate meeting in which the site-specific topics regarding the day's activities will be discussed. The buddy system will be enforced at all times. If unanticipated hazardous conditions arise, team members are to stop work, leave the immediate area, and notify the proper authorities.

b. Standard safety practices will be followed at all times. All personnel accompanying the SI team will be briefed on the team's purpose and the requirement of not disturbing any OE material during the investigation.

b. Intrusive sampling will not be permitted during conduct of inspections. Any OE located, as required, will be brought to the attention of the local law enforcement agency which will request EOD support. The team leader will also notify USACE, Huntsville Engineer Support Center Safety Office. Trained EOD personnel shall conduct the handling and disposal of any found ordnance.

c. All personnel on site, to include property owners, guides, and escorts, must be informed of the potential dangers inherent in OE. They must be instructed not to handle, disturb or move the found OE in any way or manner. Failure of individuals who are not members of the inspection team to follow such instructions shall result in the immediate termination of that phase of the visual inspection.

d. Hazards expected from indigenous wild creatures are minimal. Access to the site maybe from an unimproved road and loose footing is to be expected. High top boots should be worn to provide ankle support in the event of tripping and falling and for protection against snakebites. Proper clothing for protection from the environment and insects is recommended.

e. Private property rights and trespassing ordinances will be observed without exception.

8. SITE RULES/PROHIBITIONS:

a. At any sign of unanticipated hazardous conditions, stop tasks. Leave the immediate area and notify the SSHO. Smoking, eating, and drinking are allowed in designated areas only.

b. MATERIAL HANDLING PROCEDURES: **Do not** handle

c. DRUM HANDLING PROCEDURES: **Do not** handle.

d. CONFINED SPACE ENTRY: **Do not** enter.

e. IGNITION SOURCE AND ELECTRICAL PROTECTION: Smoke in designated areas only.

f. SPILL CONTAINMENT: N/A

- g. EXCAVATION SAFETY: Do not enter trenches/excavations.
- h. ILLUMINATION: Work during daylight hours only.
- i. SANITATION: Use existing sanitary facilities.
- j. BUDDY SYSTEM: Two (2) individuals on-site maintaining constant contact with each other. This shall be adhered to at all times.
- k. ENGINEERING CONTROLS: N/A
- l. HEAT/COLD STRESS: Dress appropriately. Take sufficient breaks and drink plenty of fluids. Watch for signs/symptoms of cold/heat stress. Monitoring may be applicable depending on site weather conditions and types of Personal Protective Equipment (PPE) worn.
- m. ORDNANCE:

1. General Information:

(A) The cardinal principle to be observed involving explosives, ammunition, severe fire hazards and/or toxic materials is to limit the exposure of a minimum number of personnel, for the minimum amount of time, to a minimum amount of hazardous material consistent with a safe and efficient operation.

(B) The age or condition of an ordnance item does not decrease the effectiveness. Ordnance that has been exposed to the elements for extended periods of time become more sensitive to shock, movement, and friction due to the fact that the stabilizing agent in the explosives may be degraded.

(C) When chemical agents may be present, further-precautions are necessary. If the munition item(s) has green markings, leave the area immediately since the item(s) may contain a chemical filler.

(D) Consider ordnance that has been exposed to fire as extremely hazardous. Chemical and physical changes may have occurred to the contents, which render them more sensitive than they were in their original state.

2. On-site Instructions:

(A) **DO NOT** touch or move any ordnance item(s) regardless of the markings or apparent condition.

(B) **DO NOT** visit an ordnance site if an electrical storm is occurring or approaching. If a storm approaches during a site visit, leave the site immediately and seek shelter.

(C) **DO NOT** use radios nor cellular phones in the vicinity of suspect ordnance items.

(D) **DO NOT** walk across an area where the ground can not be seen. If dead vegetation or animals are observed, leave the area immediately due to potential contamination by chemical agent.

(E) **DO NOT** drive vehicles into a suspected OEW area, use clearly marked lanes.

(F) **DO NOT** carry matches, cigarettes, lighters, or other flame-producing devices onto an OE site.

(G) **DO NOT** rely on color code for positive identification of ordnance item(s) nor their contents.

(H) Approach ordnance items from the side, avoid approaching the front or rear areas.

(I) Always assume ordnance items contain a live charge until it can be ascertained otherwise.

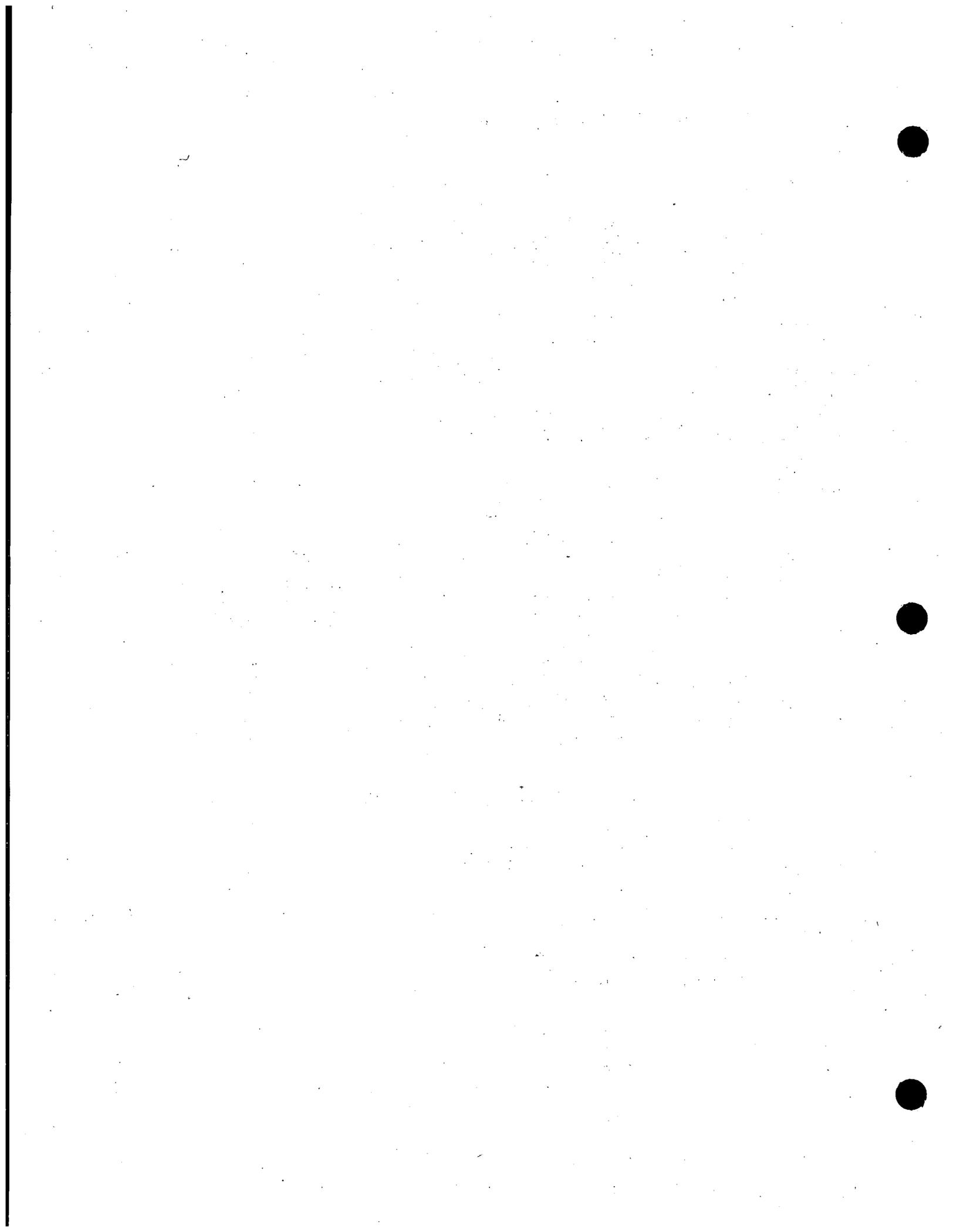
3. Specific actions upon locating ordnance:

(A) **DO NOT** touch, move, or jar any ordnance item(s), regardless of its' apparent condition.

(B) Approach the item(s) cautiously. Take photographs and make a full description. Take notes of the markings or any other identifying features.

(C) **DO NOT** be misled by markings on the ordnance item stating "practice bomb", "dummy", or "inert". Even practice bombs contain explosive charges that are used to mark/spot the point of impact. The item(s) could also be mismarked.

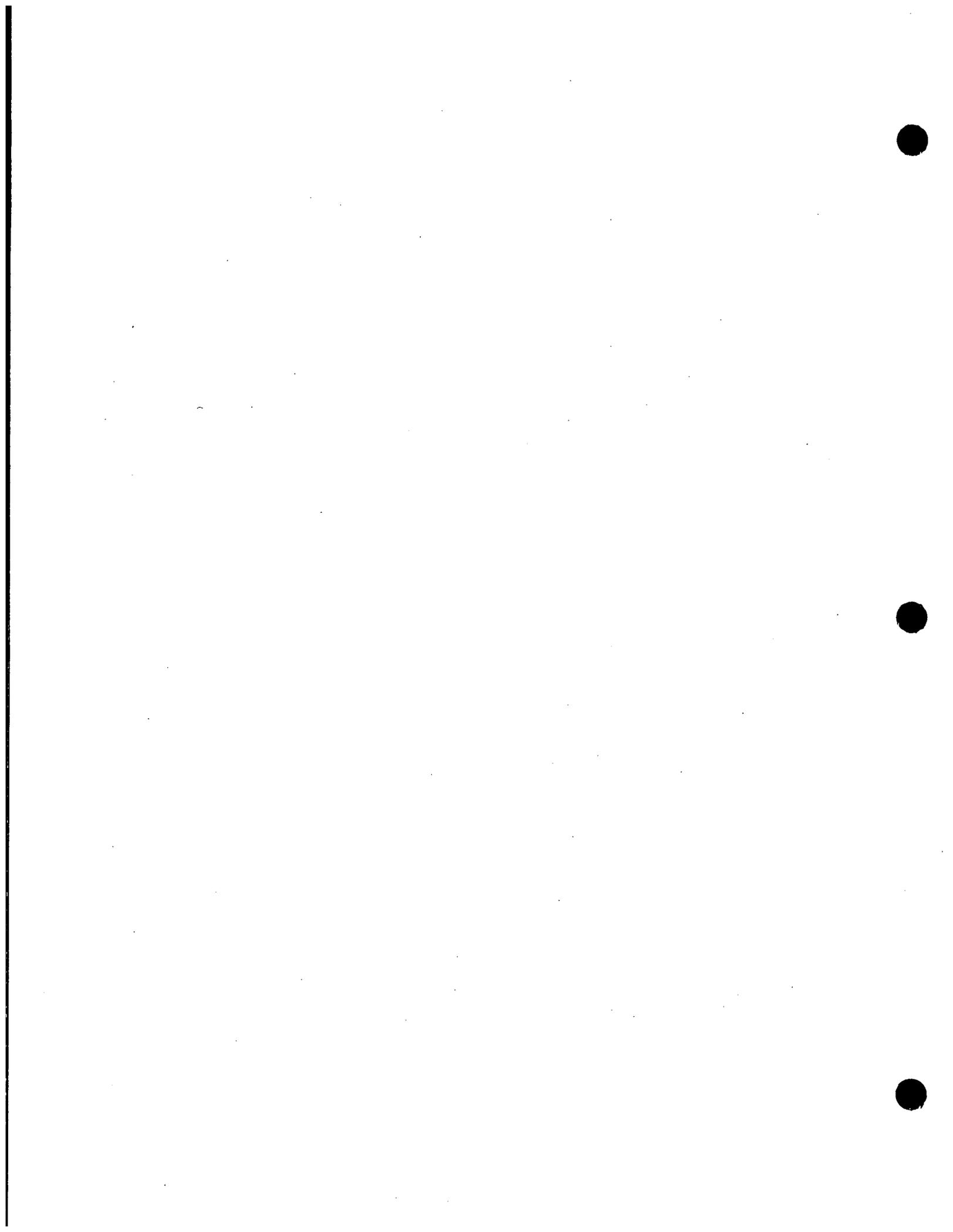
(D) **DO NOT** roll the item over nor scrape the item to identify the markings.



ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
FORT TOWNSEND
PORT TOWNSEND, WASHINGTON
PROJECT NUMBER F10WA032201

APPENDIX J

Site Inspection Report



APPENDIX J

Site Inspection Report

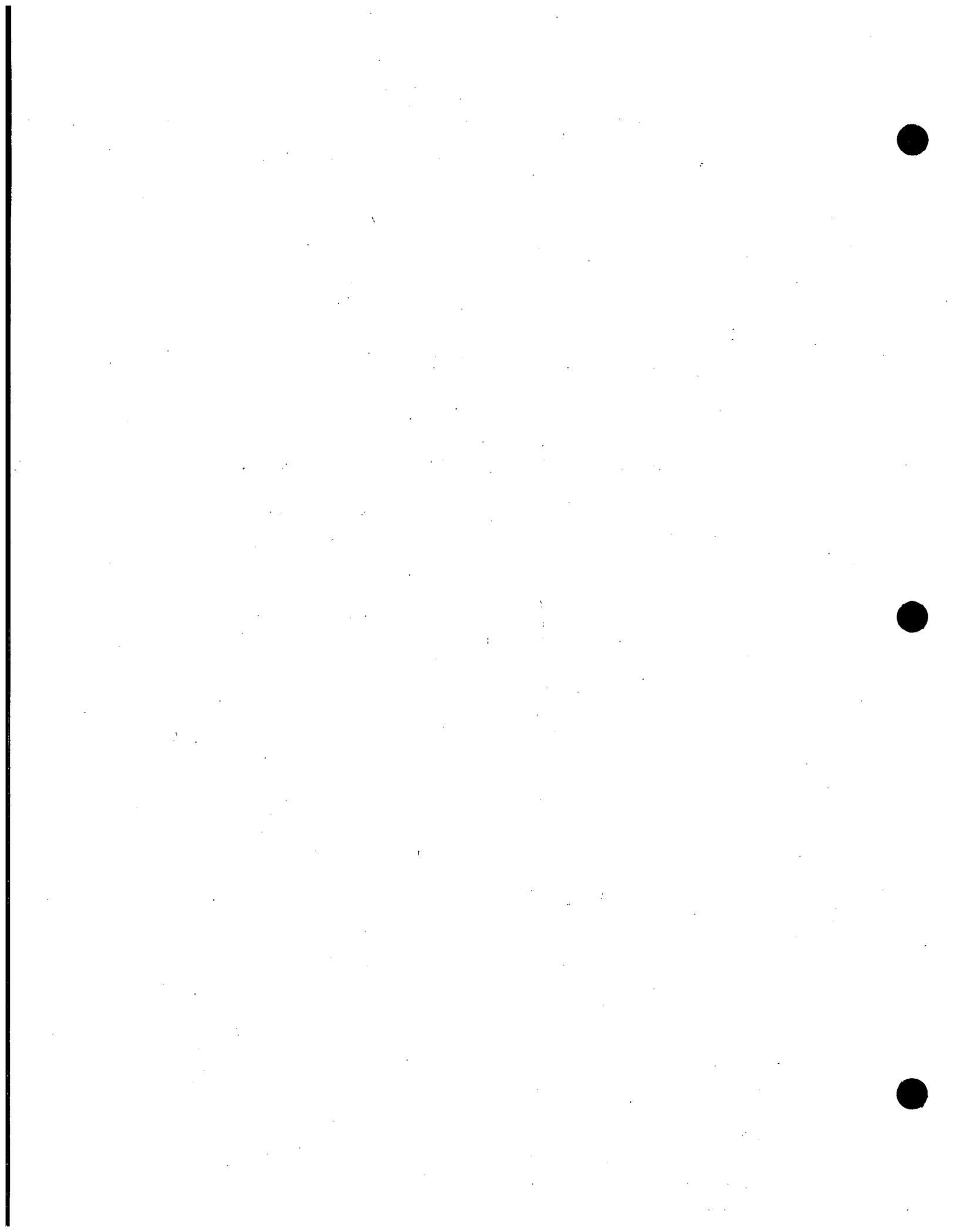
Table Of Contents

J-1 Narrative.

J-2 Overview Map of former Fort Townsend.

J-3 Map of Old Fort Townsend State Park Showing areas searched.

J-4. Map of Jefferson County Airport Showing areas searched



Site Inspection Report

The site inspection for the former Fort Townsend was conducted on 9 through 13 July 2003. The photographs taken during this site visit can be found in Appendix K of this report. The areas looked at by the inspection team can be found on the maps following this narrative. The red shaded boxes and heavy red lines indicate areas that were searched by the Site Inspection Team. Special emphasis was placed on the searches of the beach demo area and the old barracks area, due to the fact that these areas were reported to the SI team as areas that were used for demo operations upon closure of the installation. The only OE related items located during either of these magnetometer assisted surface searches, were a few pieces of late 1800's era expended brass cartridges in 45-70 caliber (see photo K-14).

The parade and cliff paths were the first areas inspected by the SI team. Although nothing was found in the open area of the parade ground, several pieces of nineteenth century area rifle and pistol brass were located along the trails that run along the top of cliff.

The next area inspected by the SI team was the beach. The beach can be accessed at only one point along the shoreline, this is due to the extreme erosion of the beachfront, which has turned what used to be steep sloping hillside leading from the fort to the ocean, in to what is now shear drop cliffs. This access point is the original cart path leading to the pier and was inspected by the SI team during both the descent to the beach and the ascent back to the park after the beach inspection was complete. The only part of the pier remaining is a row of pylons that once supported the deck of the pier (See photo K-9). The shoreline is very rocky and littered with large tree trunks and driftwood (See photo K-7 and K-9). The beachfront was inspected extensively with extra emphasis put on the area directly east of what use to be the location of the barracks during WWII. This area had been reported to the SI team as the location of several "clean-up" shots during the closing of the Explosive Investigations Laboratory. This information was told to the SI team by Mr. Doug Bassett, who was present for these "clean-up" shots (See interview H-1 and document E-12). There were no OE, OE related material or significant magnetic anomalies noted in these areas.

After the inspection of the beach area the SI team moved on to the area where the WWII barracks once stood. This building has since been bulldozed and all the rubble from the barracks removed. In this area, there is a small building that is now the park office, but once was the film loading and development lab. Also at the time of this report, there was another building, which was once the operations building during WWII and was then used by the parks department as a residence for the park ranger. The SI team was informed by Ranger Wiggins that this building had been condemned and will be removed in the next few months (See photo K-3 and K-4). This area was reported to the SI team to have been the site of a small disposal area where grenade fuzes were disposed of (See interview H-1 and document E-12). In spite of an extensive search of this area the only OE related materials that could be located was a few brass cartridges from the late 1800's.

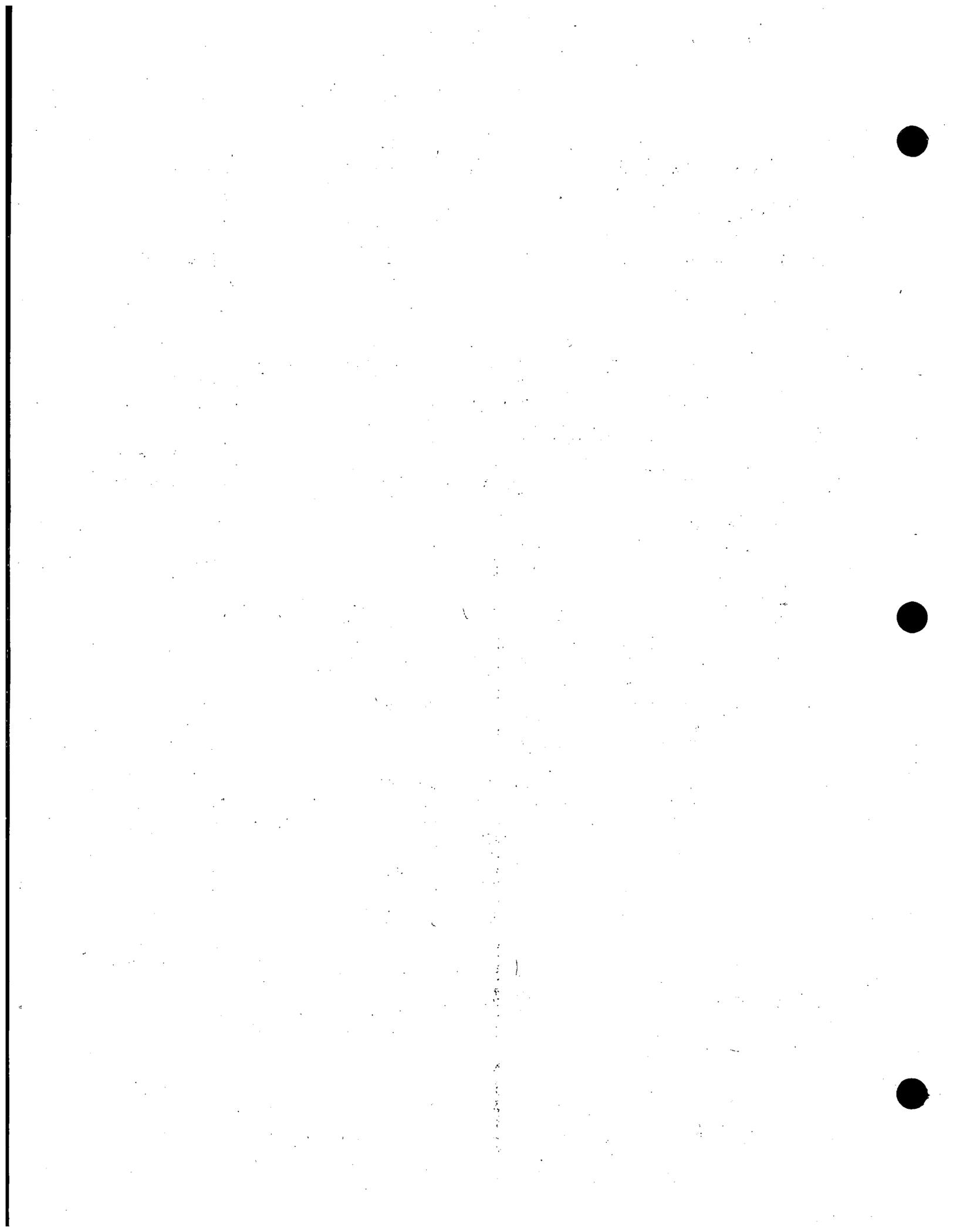
Continuing up the service road the SI team headed in to the wood line conducting magnetometer sweeps along the way, eventually running into the remains of the explosive components bunker. The bunker is heavily overgrown and sitting approximately fifteen feet off the service road (See photo K-2 and map G-3). Finding no sign of OE related material and no magnetic anomalies, the SI team moved back to the area of the main post.

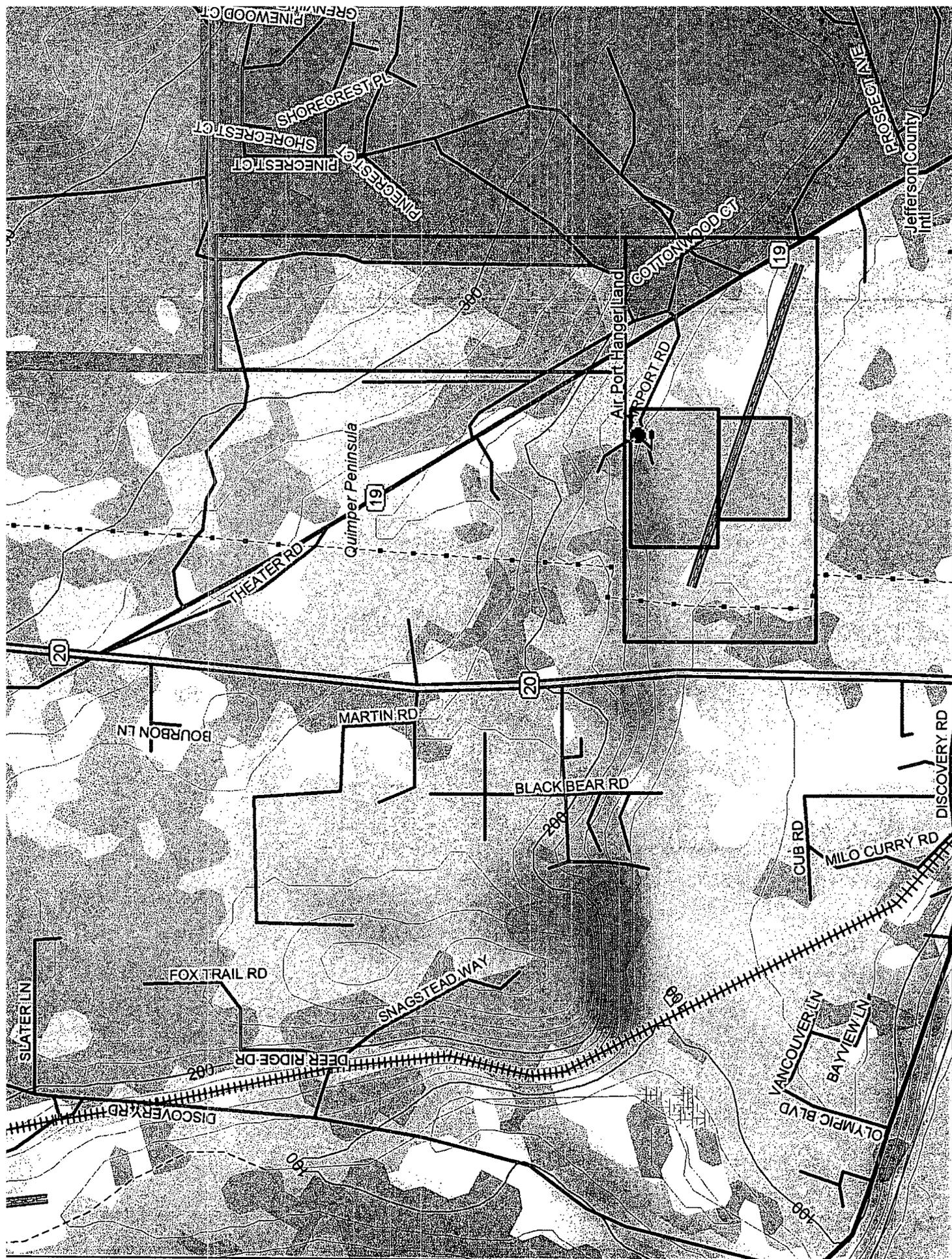
The SI team then moved on to investigate an area located east of the old barracks site and south of the parade grounds running all the way to the cliffs. This area produced the largest quantity of brass found on the site. The SI team also found a small burn pit in this area, located just off the southeast corner of the parade grounds, between the outhouse and the park marker that indicates the end of the walking trail. This pit was only about six feet square and two to three inches deep. The only OE related material that could be seen in this area was charred and burst small arms brass that could be dated from 1875 to 1885. It also had some small pieces of melted glass and a few sporadic pieces of lead slag, all of which were visible on the surface and in a small washout area.

The next area inspected was the Explosive Investigations Laboratory. This area can be accessed off of Old Fort Townsend Road approximately 1/8 of a mile from the entrance to the park. This is a large two-story sand colored brick building with a circular driveway wrapping around it (See photo K-5). The inspection team entered the woods just to the right and rear of the building conducting a search of the surrounding woods. The only metal anomalies located were a small trash pit located at the left rear side of the building.

Next, an inspection of the emergency landing field, now known as the Jefferson County International Airport (See photos K-11 and K-12) was conducted. This airport has been renovated in the last 10 years or so going from the one grass landing strip that was originally built by the military, to two paved runways, one on each side of the original grass one, which is still faintly visible running down the middle. There are several large hanger type garages for parking aircraft located at the west end of the runway. These are new construction and are not part of the original landing field. There is one large military aircraft hanger remaining on the site. A maintenance company, known as Tailspin Tommy's rents this hanger. After conducting an interview with Mr. Tom Wacker, the owner of Tailspin Tommy's, we were directed to an area of the airport that Mr. Wacker claims that on several occasions he had dug up .30-06 caliber brass cases. He stated that these had head stamps from the late 30's and early 40's. The SI team searched this area, but was unable to find any casings on the surface, but did locate an area with small, but concentrated anomalies with a DFX White's all metal detector.

The last place the SI team investigated was around the garage hangers and the hillside on the northwest corner of the airport there was nothing of significance to be noted in this area.





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Scale: 1 : 14,400 Map Rotation: 0° Magnetic Declination: 18.9°E



OLD FORT TOWNSEND RD

OLD FORT TOWNSEND RD

OLD FORT TOWNSEND RD

OLD FORT TOWNSEND RD



Open building

SHORECREST CT

KALAMAZOO

SHORECREST CT

PINEWOOD CT

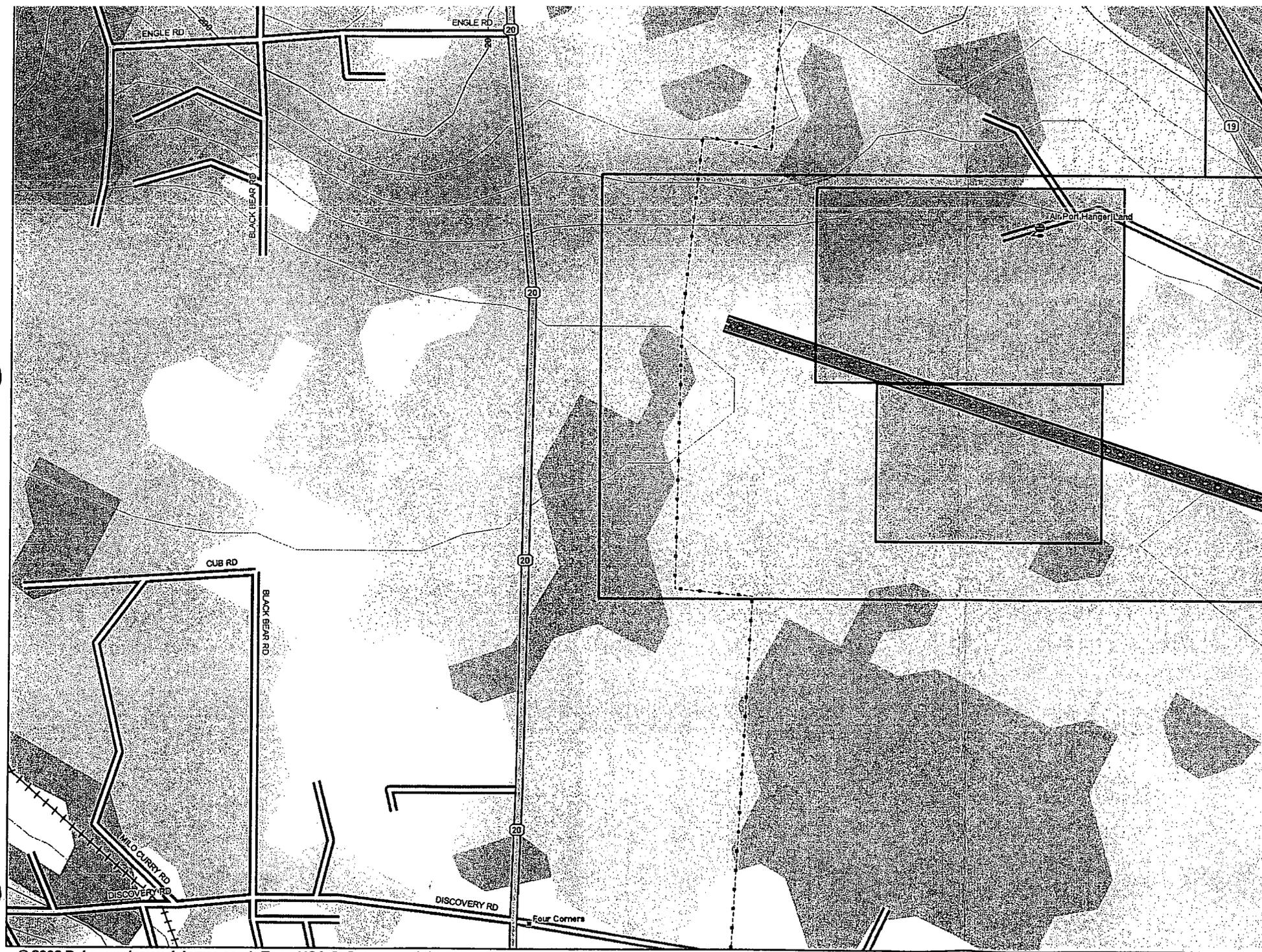
PINEWOOD CT

PARK PLACE CT

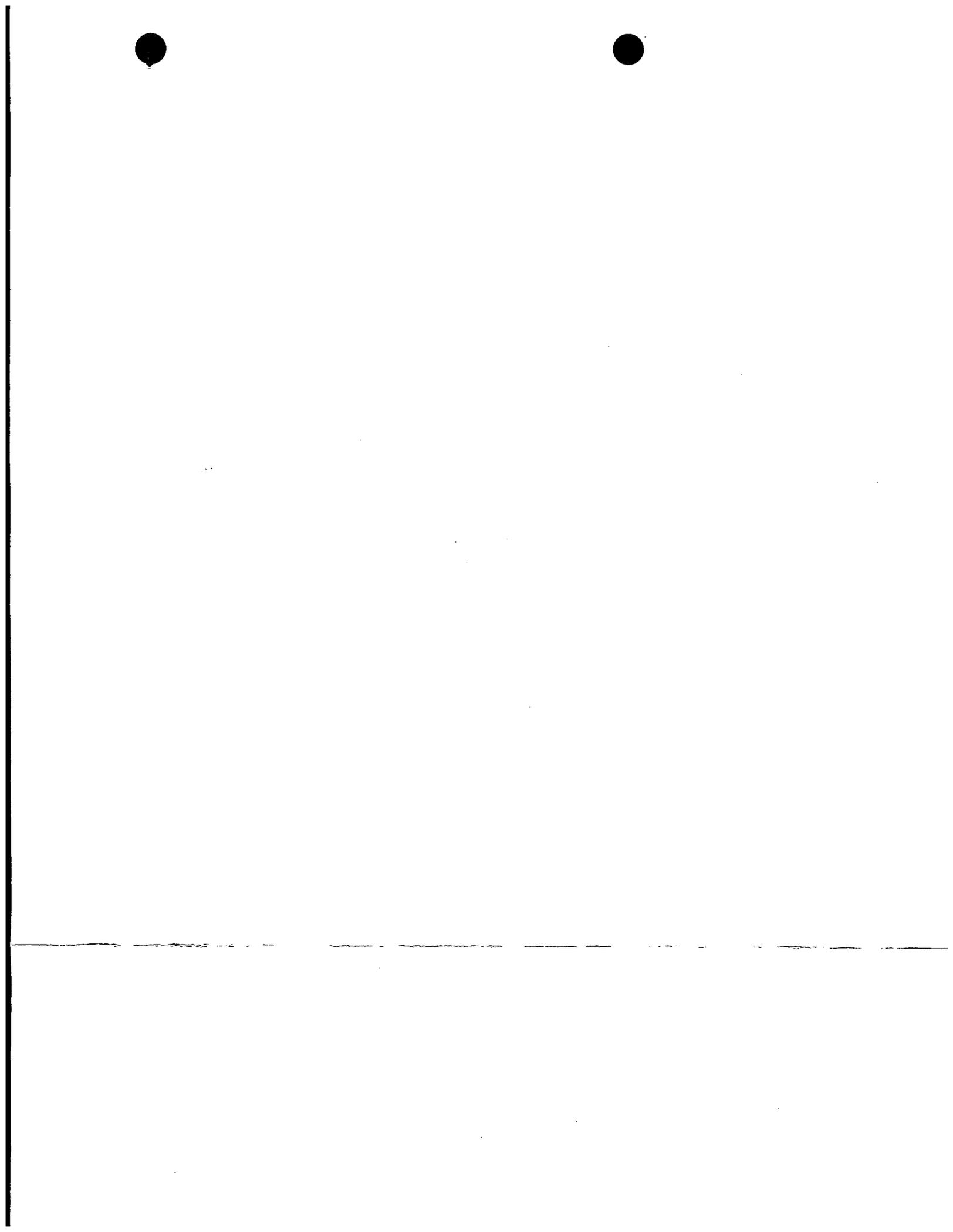
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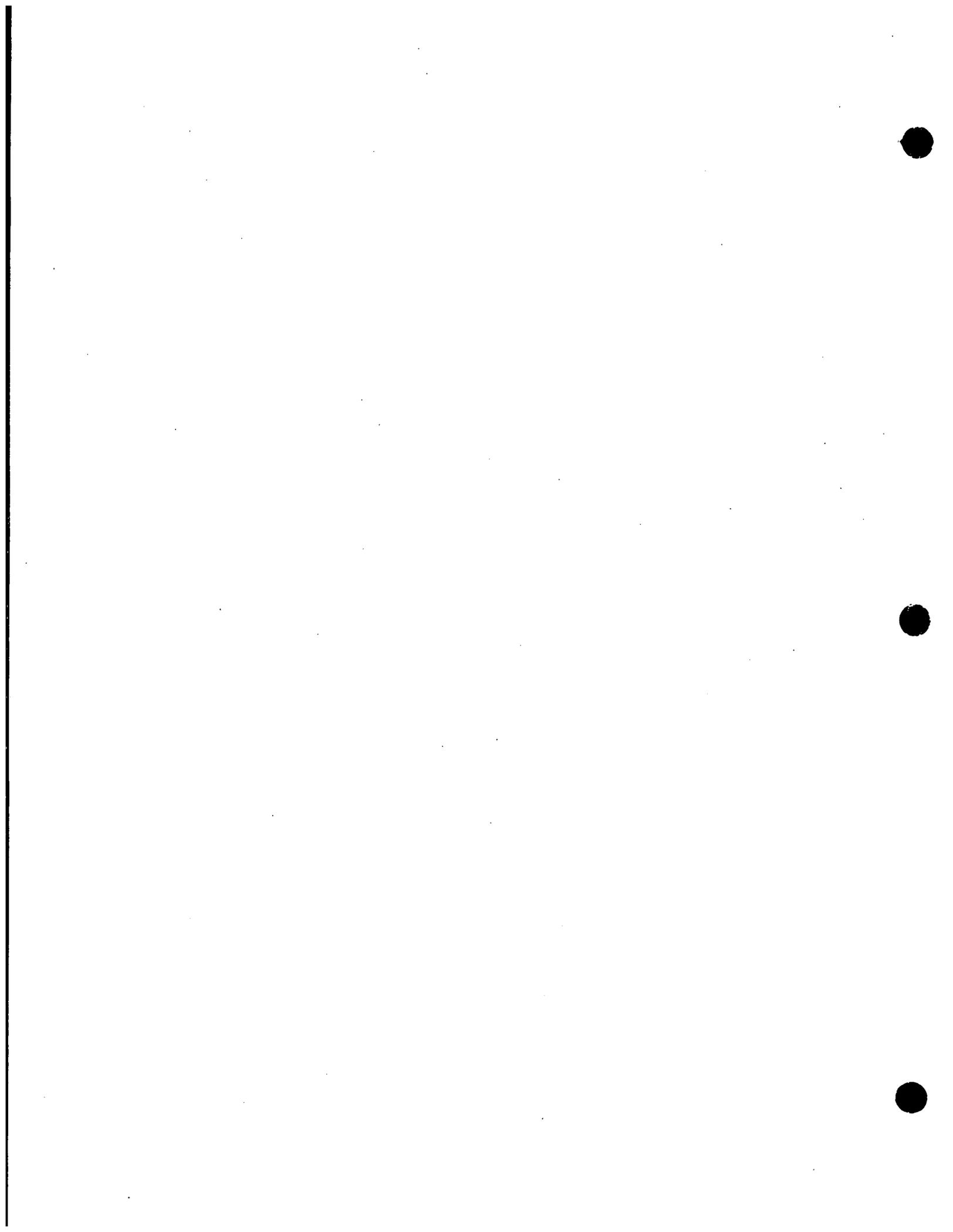
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ORDNANCE AND EXPLOSIVES
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PORT TOWNSEND, WASHINGTON
PROJECT NUMBER F10WA032201

APPENDIX K

PRESENT-DAY PHOTOGRAPHS



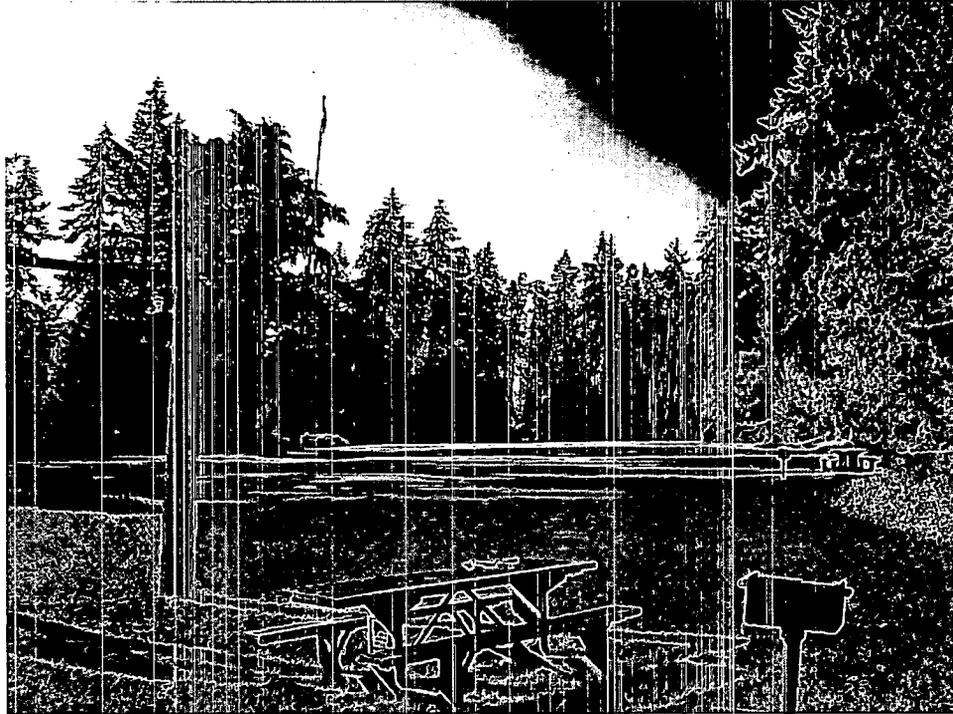
APPENDIX K

HISTORICAL PHOTOGRAPHS

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- K-1** View of the main parade ground showing the original flagpole from the fort.
- K-2** Explosive components bunker built in 1942.
- K-3** Originally this building was the X-ray film-developing lab its current use is the maintenance shed for the park.
- K-4** This building has served several functions in its history to include administrative offices and the residence for the park ranger.
- K-5** x-ray building used by the navy during WWII to x-ray large enemy torpedoes and sea mines
- K-6** View of the reported demo area looking down from the top of the cliff.
- K-7** View from the demo area looking in the direction of the main post area. Note the size of the person on the beach in correlation to the cliff.
- K-8** This is a representative view of the debris that litters the entire shoreline.
- K-9** These pylons are all that remain of the Fort Townsend Pier. This photo shows the low tide at it lowest point in its cycle.
- K-10** This paper plant sits northeast from the pier less than ½ mile from the old fort.
- K-11** This is the original aircraft hanger left on the property by the Army Air corp.
- K-12** New hangers and fueling pad located on Jefferson County Airport.
- K-13** View of fueling pad and runways at Jefferson County Airport.

K-14 Small arms brass located during search of the barracks
and cliff area of old Fort Townsend State Park. Sacajawea
Dollar shown for size comparison.

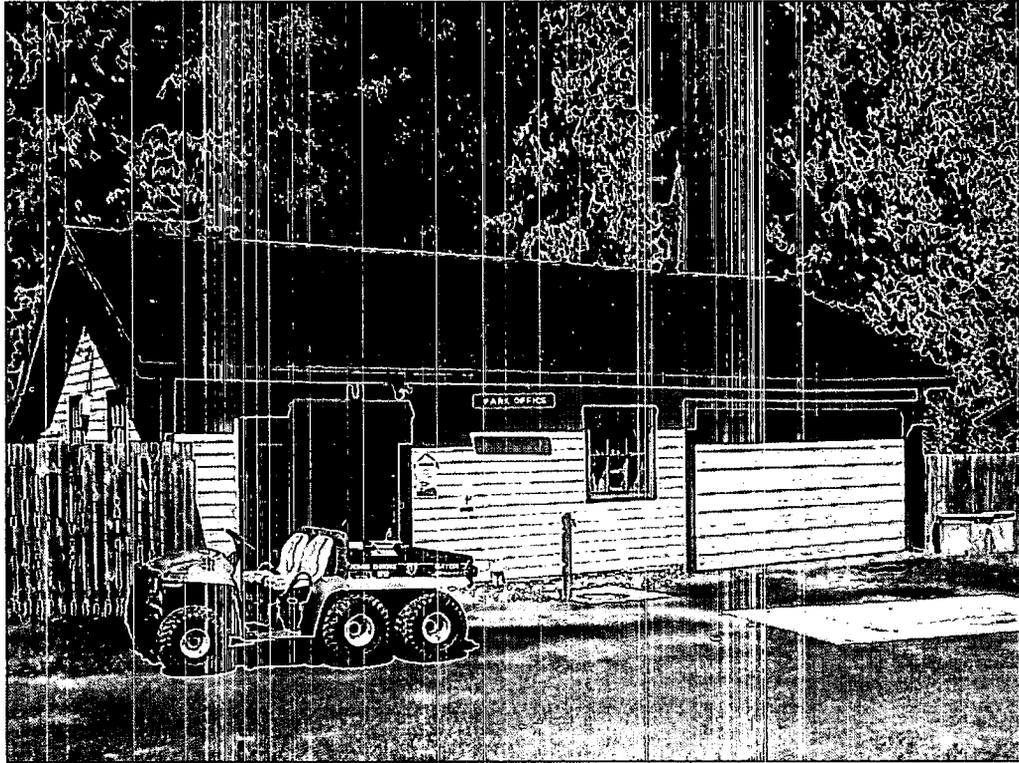


K-1 View of the main parade ground showing the original flagpole from the fort.

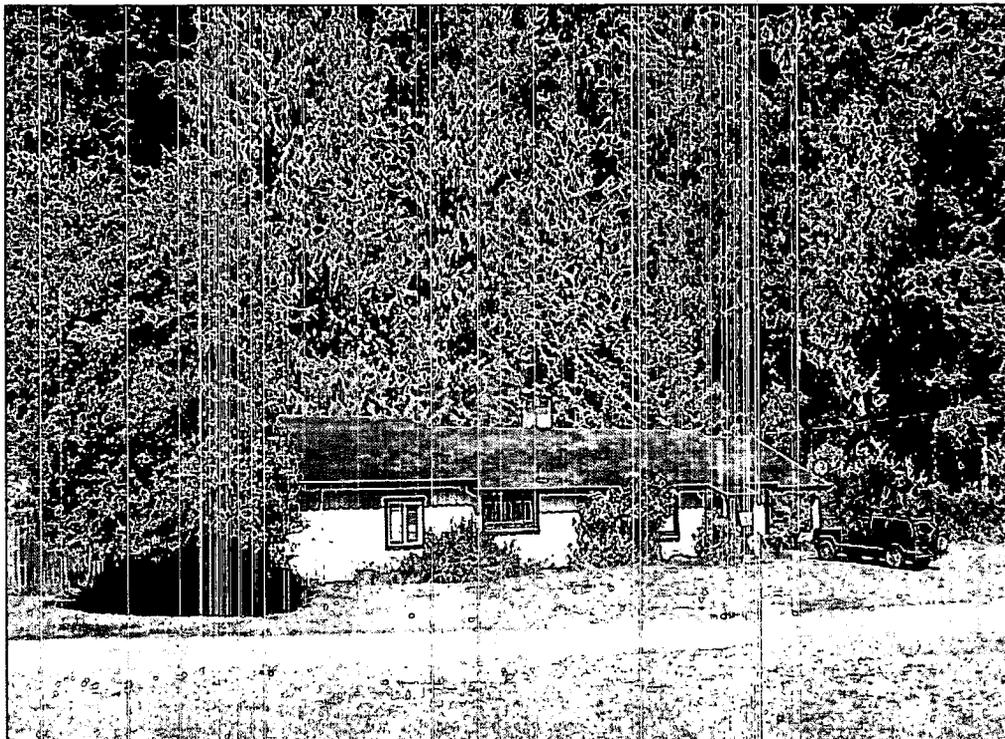


K-2 Explosive components bunker built in 1942.



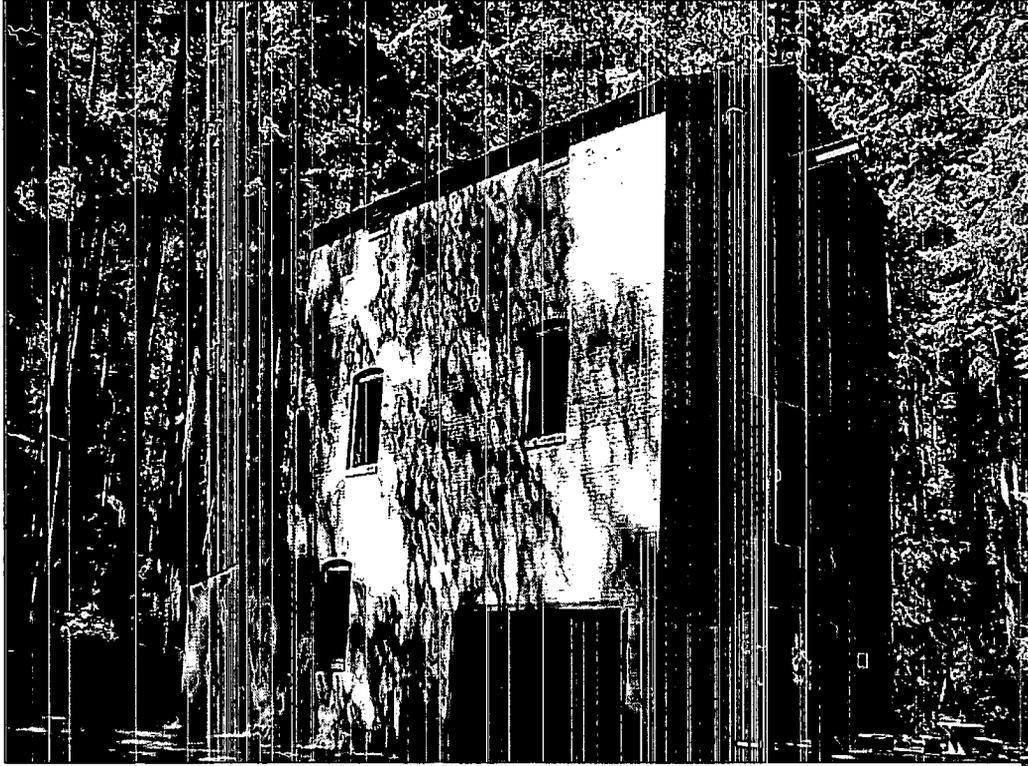


K-3 Originally this building was the X-ray film-developing lab. Its current use is the maintenance shed for the park.

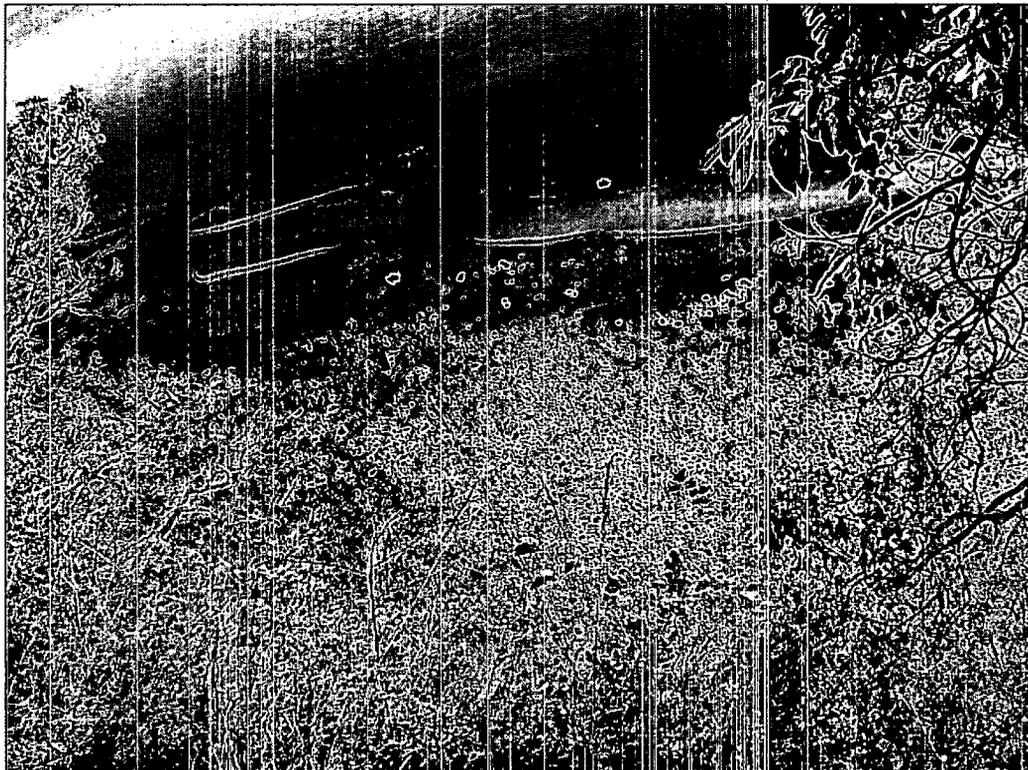


K-4 This building has served several functions in its history to include administrative offices and the residence for the park ranger.



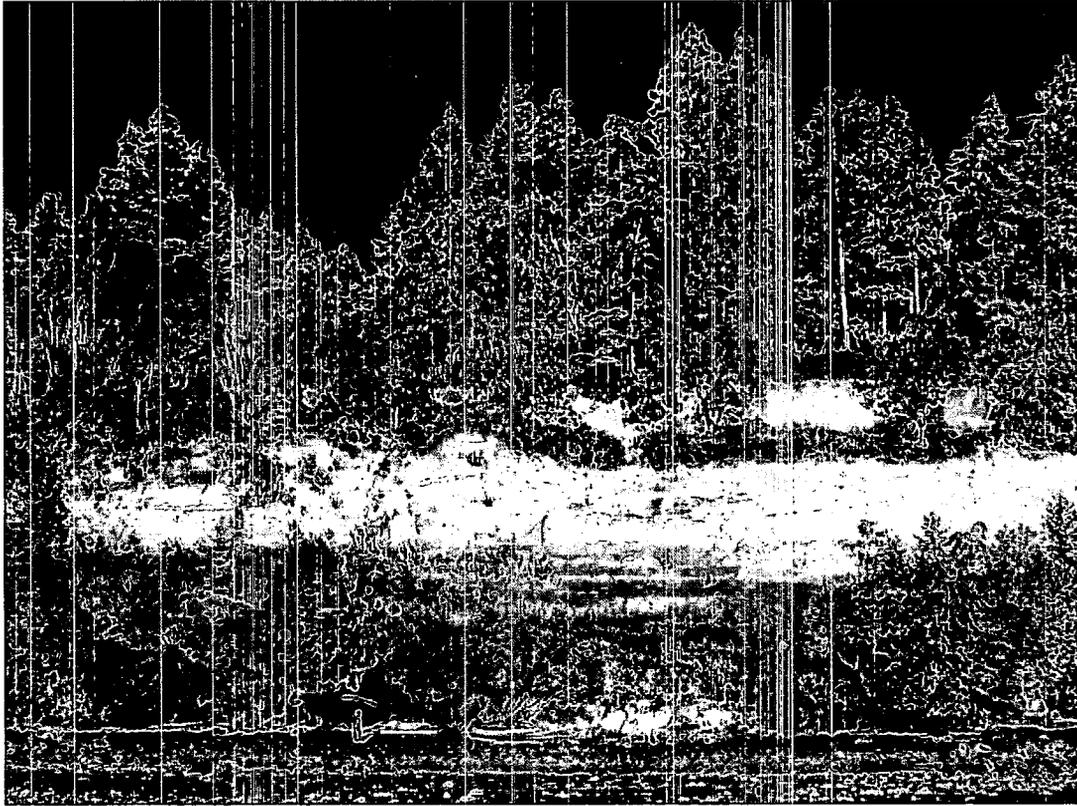


K-5 X-ray building used by the navy during WWII to x-ray large enemy torpedoes and sea mines



K-6 View of the reported demo area looking down from the top of the cliff.



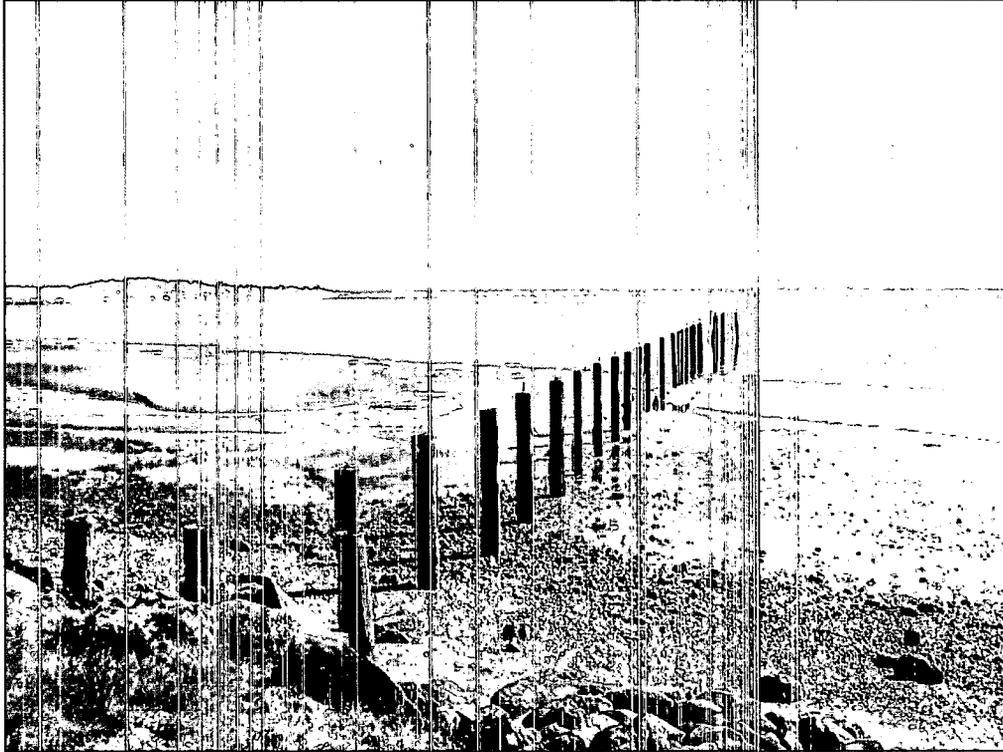


K-7 View from the demo area looking in the direction of the main post area. Note the size of the person on the beach in correlation to the cliff.



K-8 This is a representative view of the debris that litters the entire shoreline.



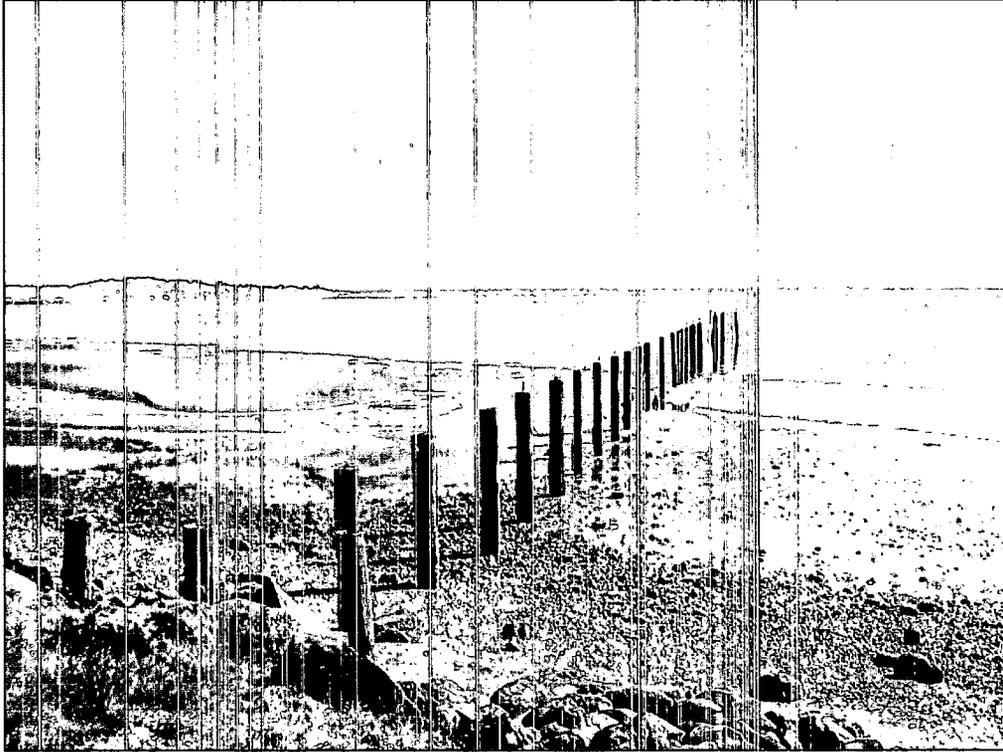


K-9 These pylons are all that remain of the Fort Townsend Pier. This photo shows the low tide at it lowest point in it's cycle.



K-10 This paper plant sits northeast from the pier less than ½ mile from the old fort.



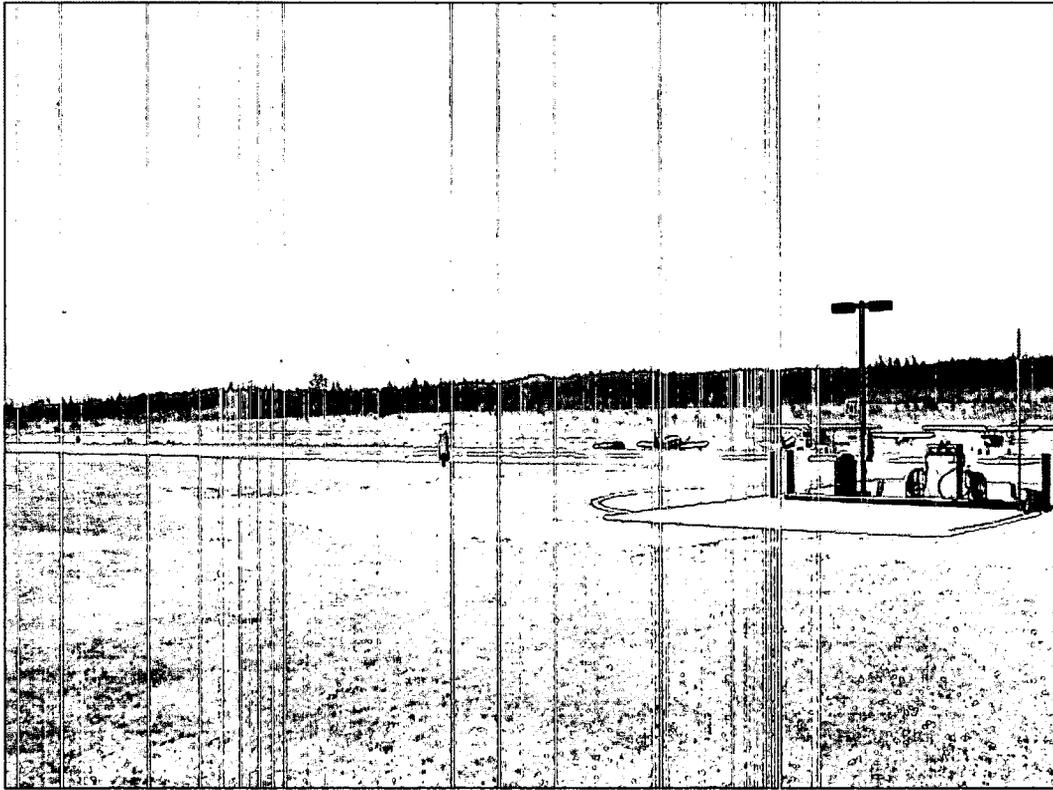


K-9 These pylons are all that remain of the Fort Townsend Pier. This photo shows the low tide at it's lowest point in it's cycle.

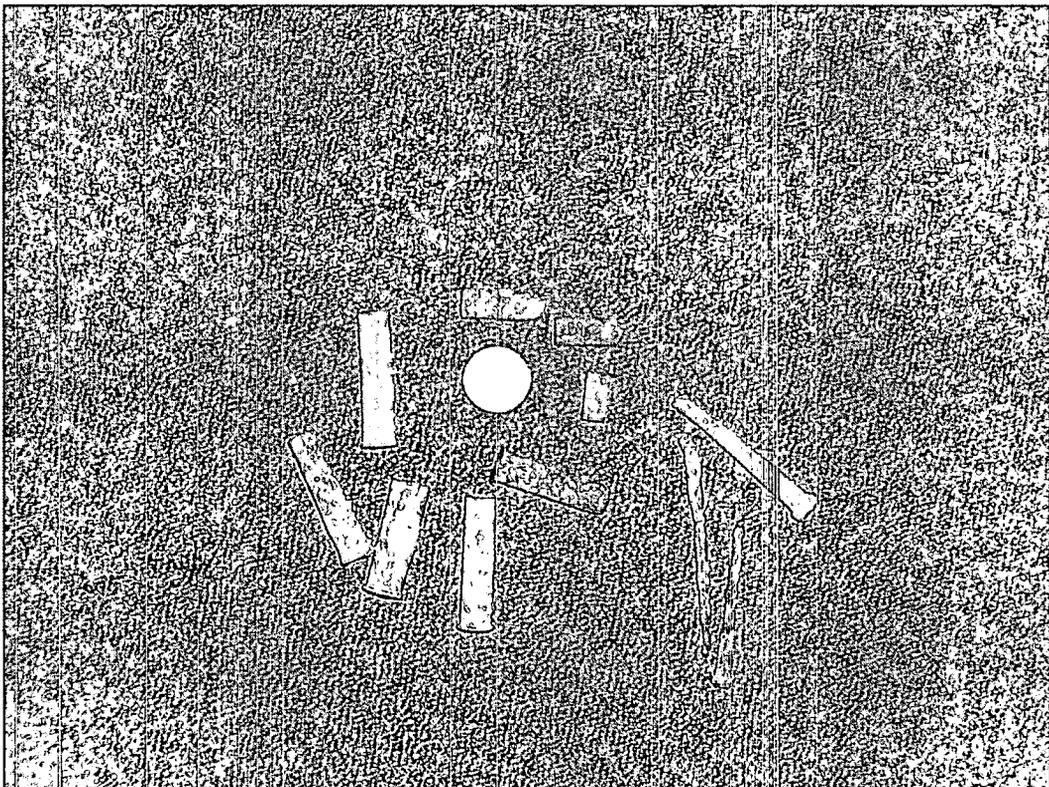


K-10 This paper plant sits northeast from the pier less than ½ mile from the old fort.



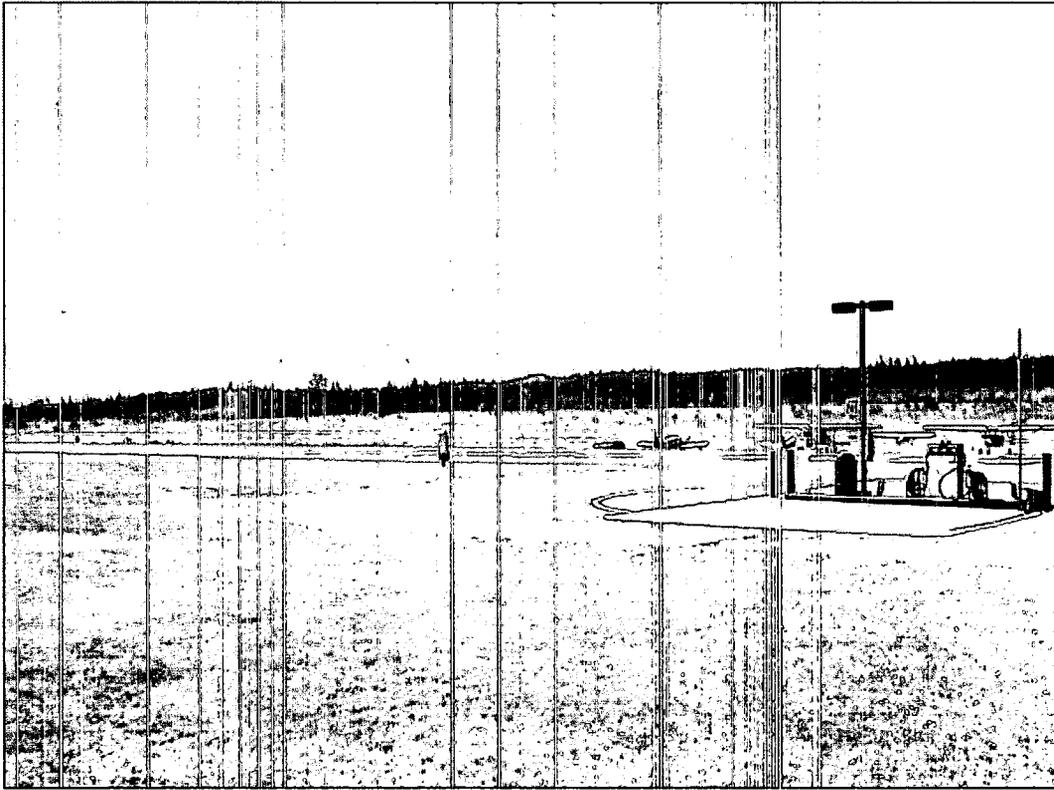


K-13 View of fueling pad and runways at Jefferson County Airport.

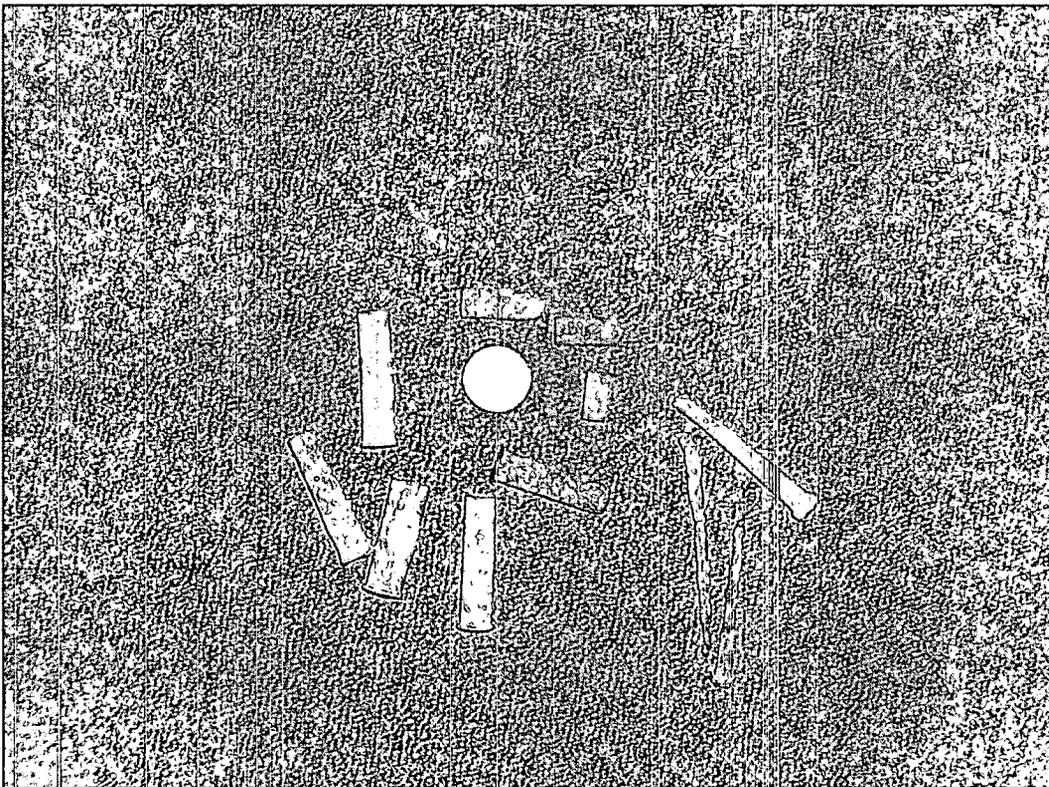


K-14 Small arms brass located during search of the barracks and cliff area of old Fort Townsend State Park. Sacajawea Dollar shown for size comparison.

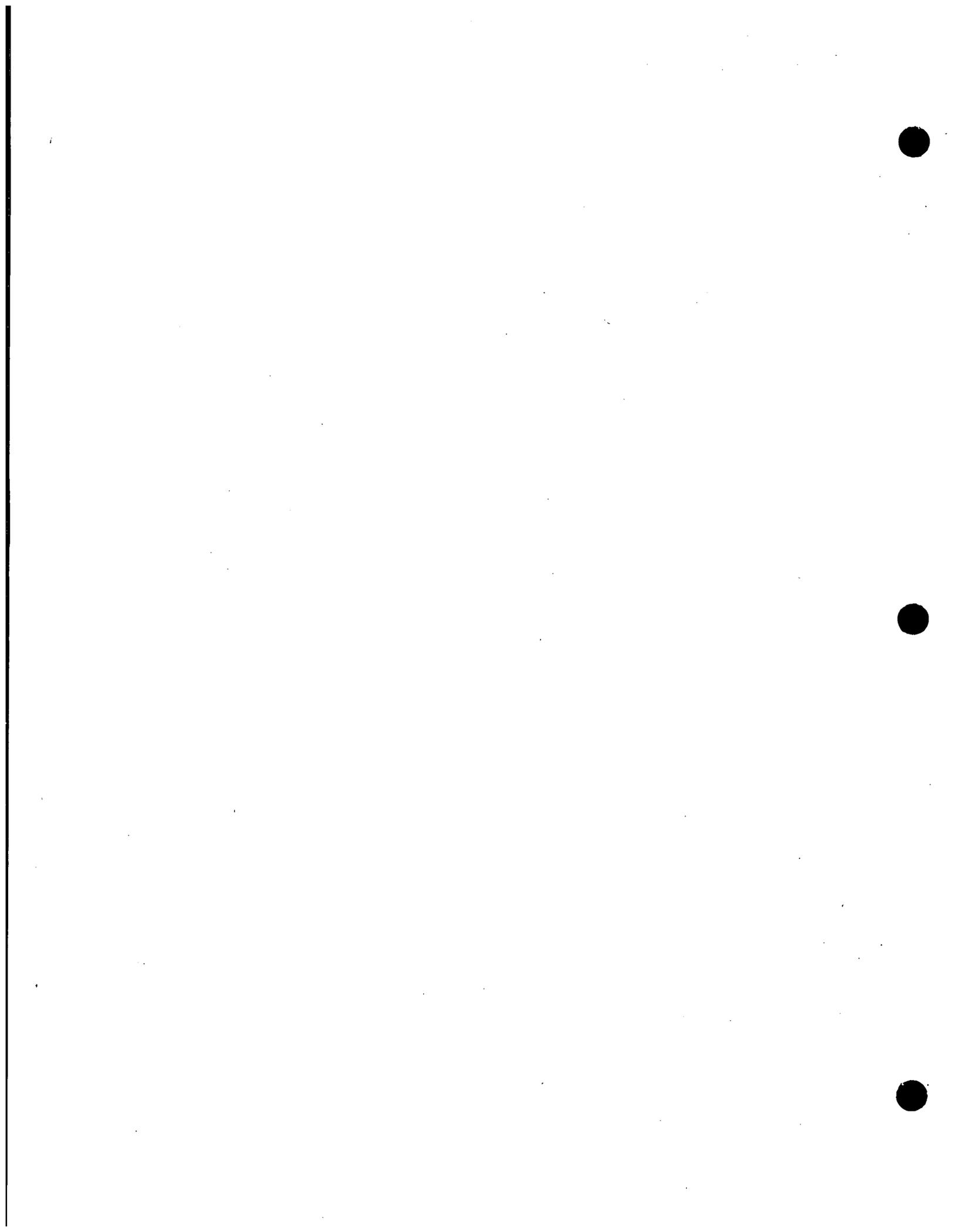




K-13 View of fueling pad and runways at Jefferson County Airport.



K-14 Small arms brass located during search of the barracks and cliff area of old Fort Townsend State Park. Sacajawea Dollar shown for size comparison.



DESIGN REVIEW COMMENTS

PROJECT Fort Townsend - F10WA032201

- | | | | |
|--|--|---|---|
| <input type="checkbox"/> SITE DEV & GEO | <input type="checkbox"/> MECHANICAL | <input type="checkbox"/> OE SAFETY | <input type="checkbox"/> SYSTEMS ENG |
| <input type="checkbox"/> ENVIR PROT& UTIL. | <input type="checkbox"/> MFG TECHNOLOGY | <input type="checkbox"/> ADV TECH | <input type="checkbox"/> VALUE ENG |
| <input type="checkbox"/> ARCHITECTURAL | <input type="checkbox"/> ELECTRICAL | <input type="checkbox"/> ESTIMATING | <input checked="" type="checkbox"/> OTHER - USA Environmental, Inc. |
| <input type="checkbox"/> STRUCTURAL | <input type="checkbox"/> INST & CONTROLS | <input type="checkbox"/> SPECIFICATIONS | |

REVIEW ASR Review
 DATE 4 March 2004
 NAME Doug Ralston 813-884-5722 x104

ITEM	DRAWING NO. OR REFERENCE	COMMENT	ACTION
1	General	ASR for Fort Townsend, Washington, was reviewed for accuracy and completeness. Based on this review the following comment are provided:	No action required.
2	General	I concur with the RAC score of 5, supported by the ASR as written.	No action required.

ACTION CODES W - WITHDRAWN
 A - ACCEPTED/CONCUR N - NON-CONCUR
 D - ACTION DEFERRED VE - VE POTENTIAL/VEP ATTACHED

F10WA0322011

PROJECT DERP FUDS Fort Townsend

DESIGN REVIEW COMMENTS

X ASR/INPR TEAM

REVIEW ASR TAG OE

DATE 21 April 2004

NAME Daniel Linehan (918)420-8867

ITEM	DRAWING NO. OR REFERENCE	COMMENT	ACTION
1.	General	After reviewing this ASR, I concur with the ASR and HNC Safety for a RAC score of 5. There appears to be no areas of confirmed or potential MEC presence at this site.	No action required.
2.	Append. E	The project summary sheet was not present.	A project fact sheet was not part of the INPR package. No action required.

ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
FORT TOWNSEND;
PORT TOWNSEND, WASHINGTON
PROJECT NUMBER F10WA032201

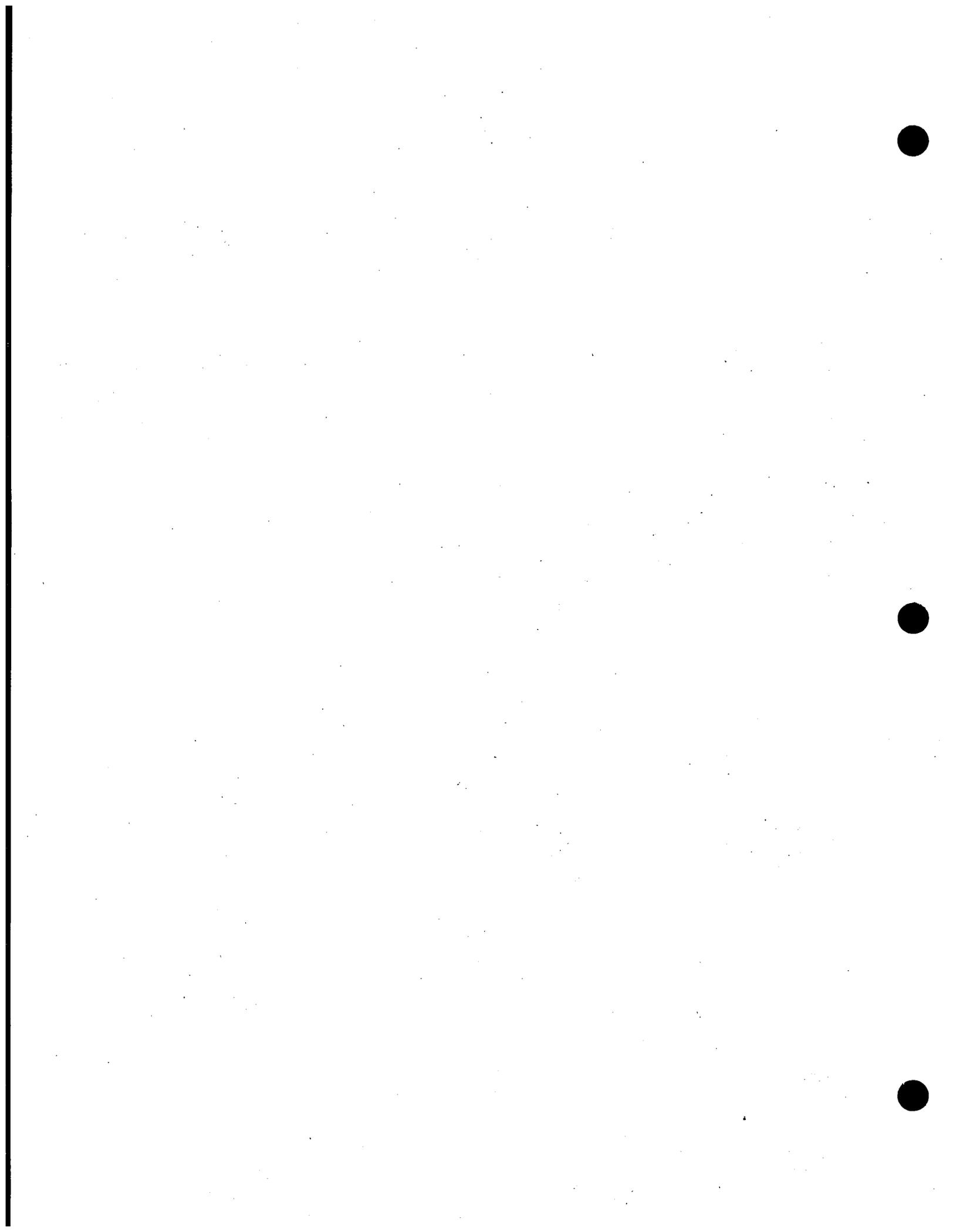
APPENDIX M

REPORT DISTRIBUTION LIST



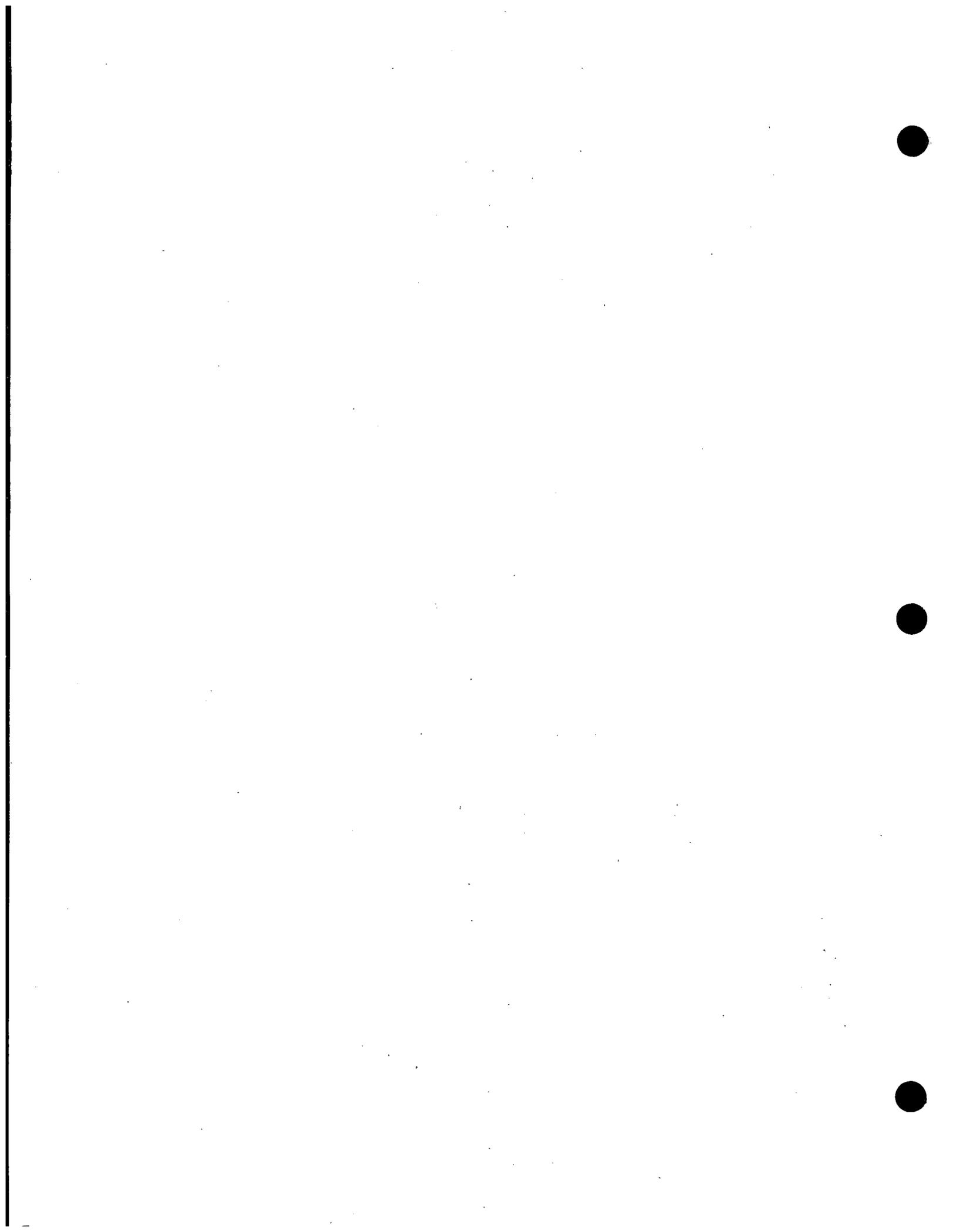
APPENDIX M
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	<u>Draft</u>	<u>Final</u>
Commander, U.S. Army Corps of Engineers Engineering & Support Center, Huntsville ATTN: CEHNC-ED-SY-A (Mardis) P.O. Box 1600 Huntsville, Alabama 35807-4301	2	2
Commander, Defense Ammunition Center ATTN: SJMAC-ESL 1 Tree RD McAlester, OK 74501	2	-
Commander, U.S Army Engineer, Seattle District ATTN: CENWS-PM-EM (Maas), PO Box 3755, Seattle, WA 98124-2255	2	-
Commander, U.S. Army Engineer District, Rock Island ATTN:CEMVR-ED-DO P.O. Box 1600 Rock Island, Illinois 61201	1	1

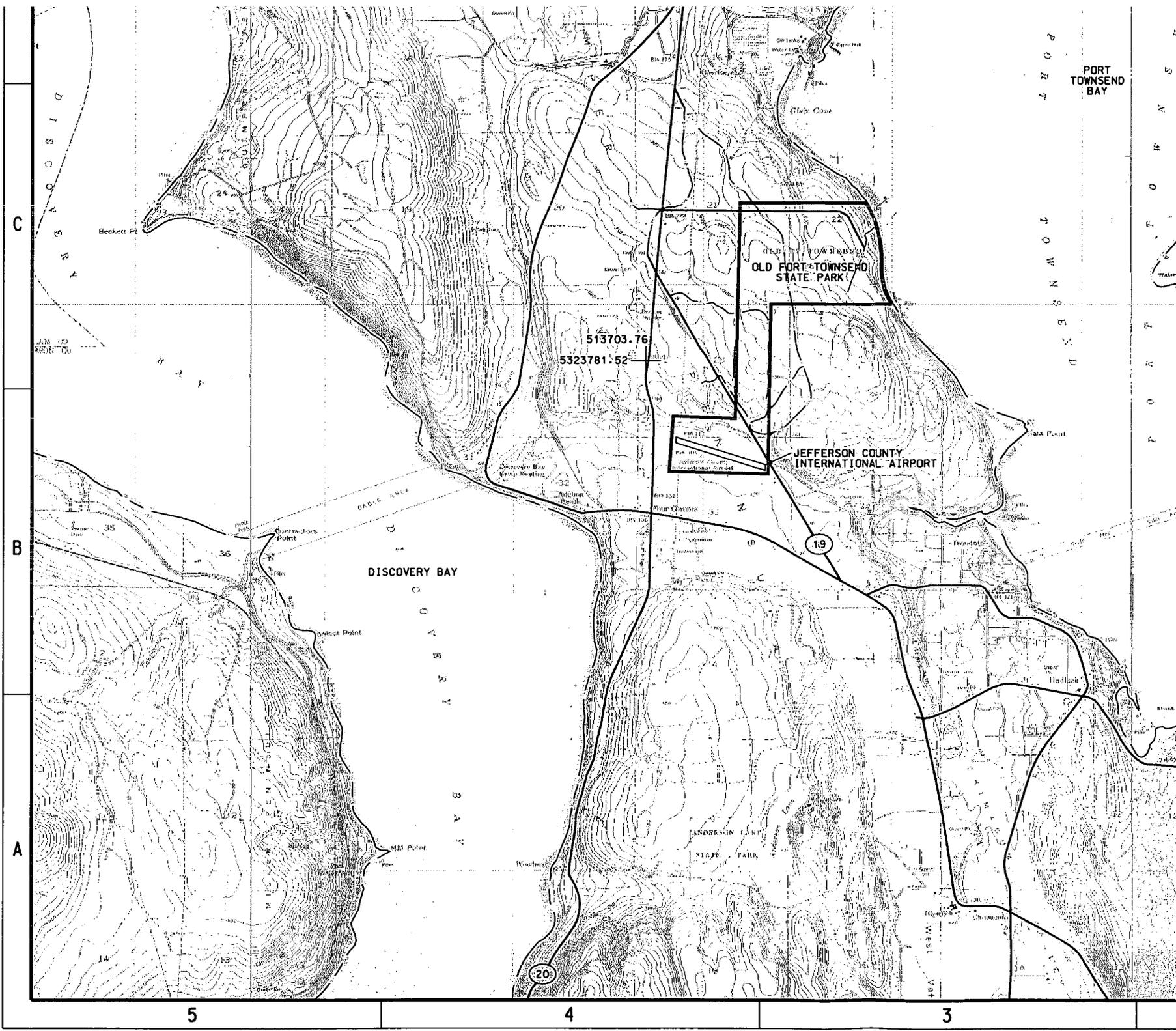


ORDNANCE AND EXPLOSIVES
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FOR
FORT TOWNSEND
PORT TOWNSEND, WASHINGTON
PROJECT NUMBER F10WA032201

REPORT PLATES



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C

B

A

5

4

3



PORT
TOWNSEND
BAY

OLD PORT TOWNSEND
STATE PARK

JEFFERSON COUNTY
INTERNATIONAL AIRPORT

513703.76
5323781.52

19

20

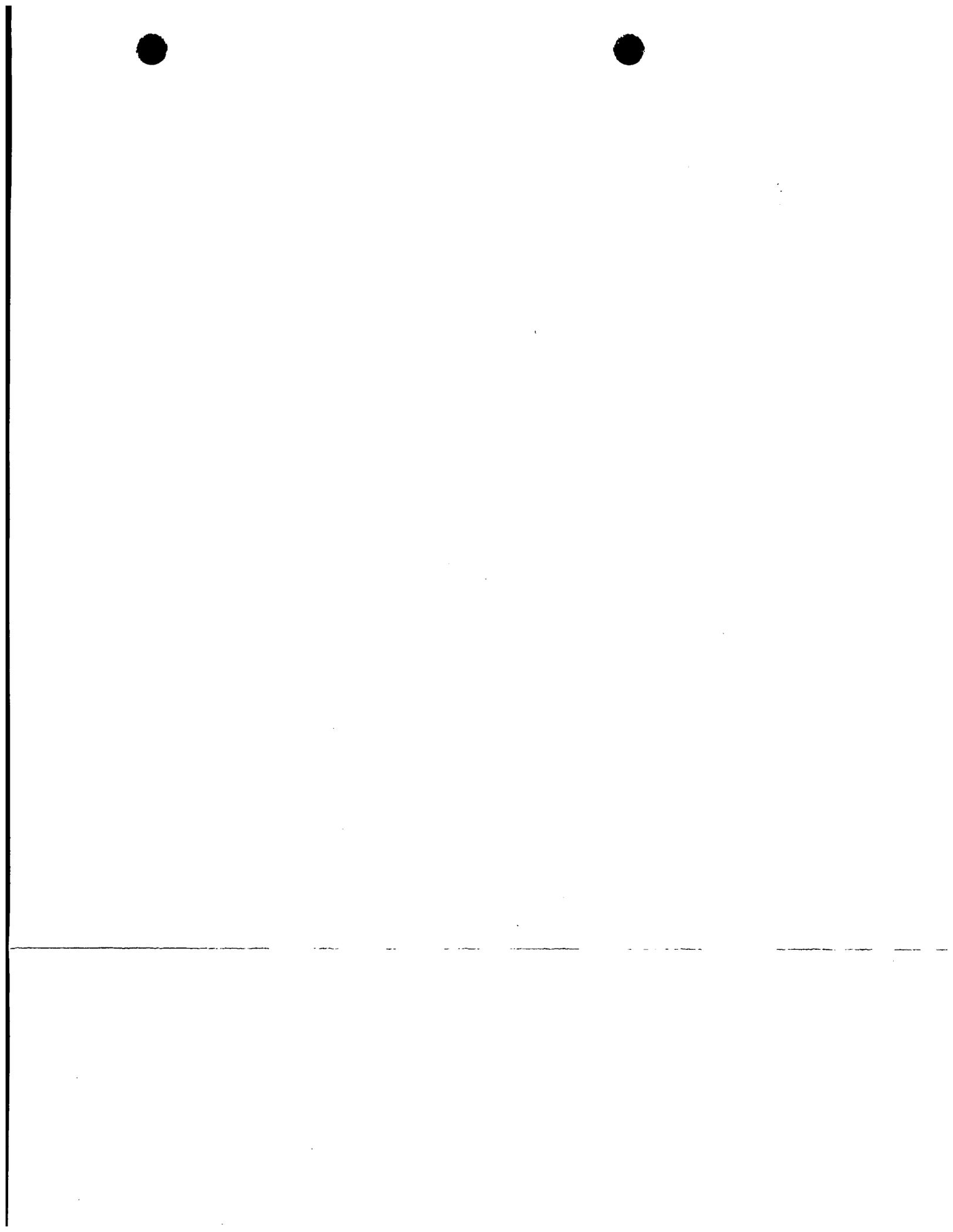
DISCOVERY BAY

ANDREWS LAKES
STATE PARK

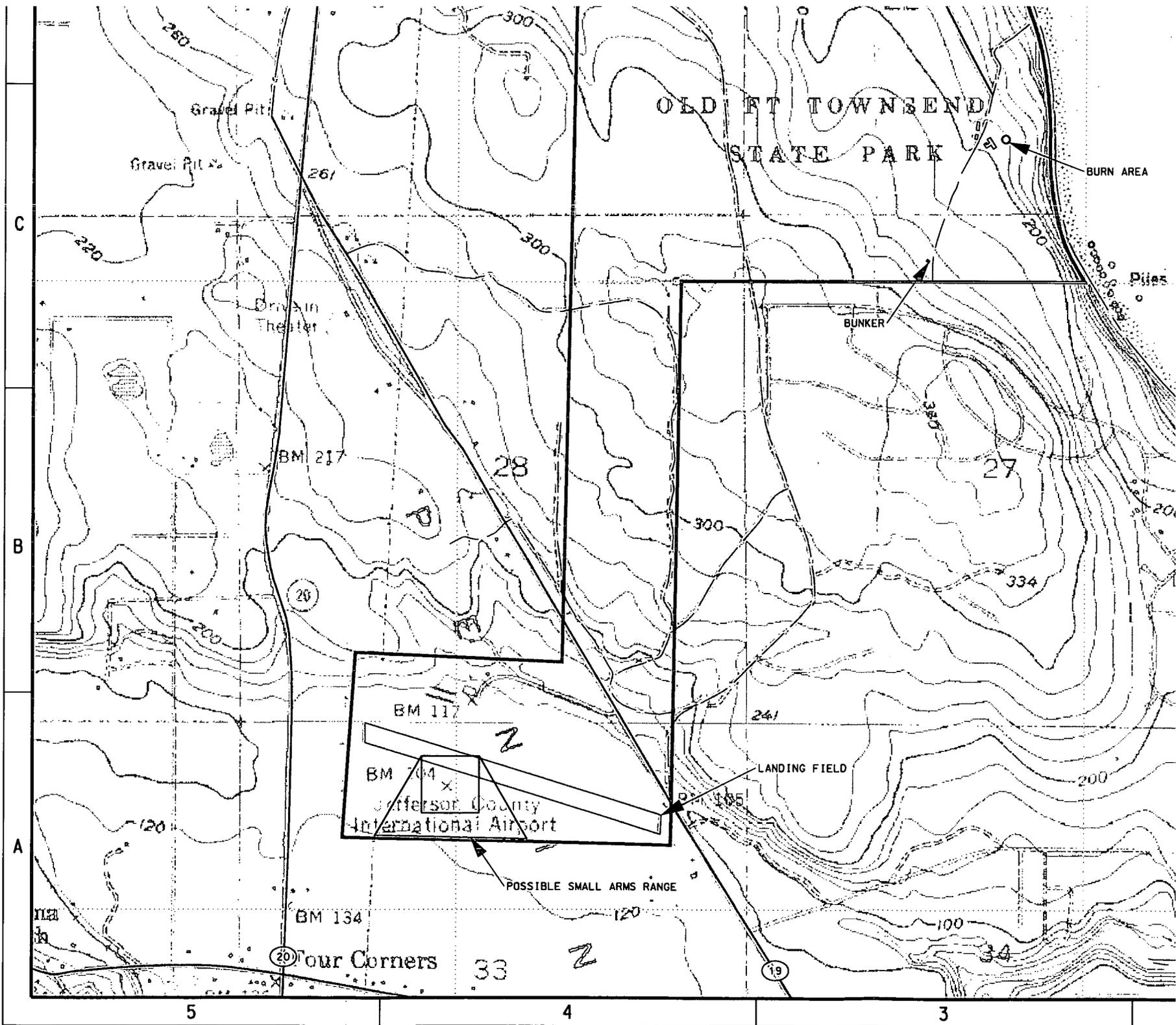
DISCOVERY BAY

TOWNSEND BAY

Water

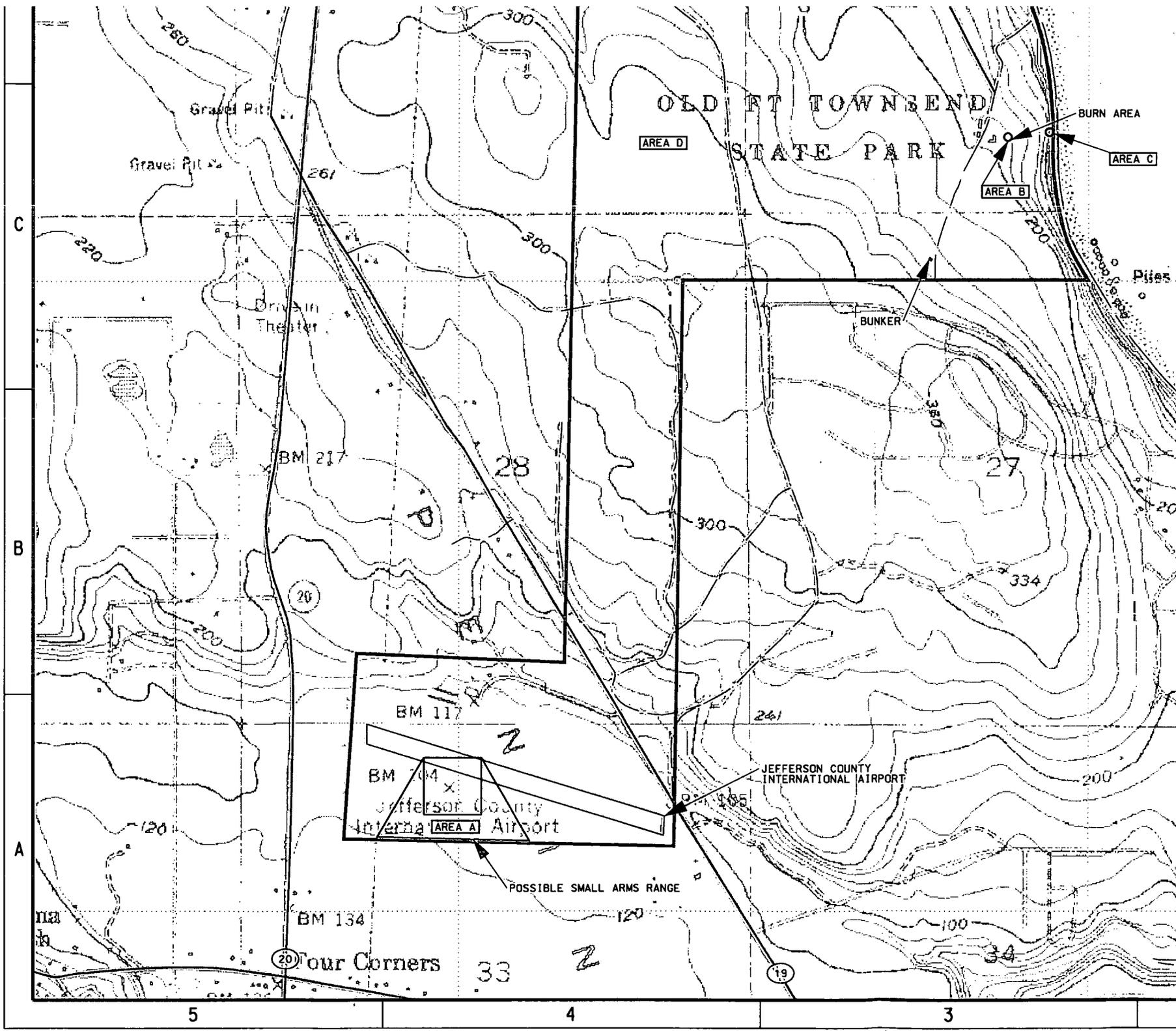


17-MAR-2005 08:45
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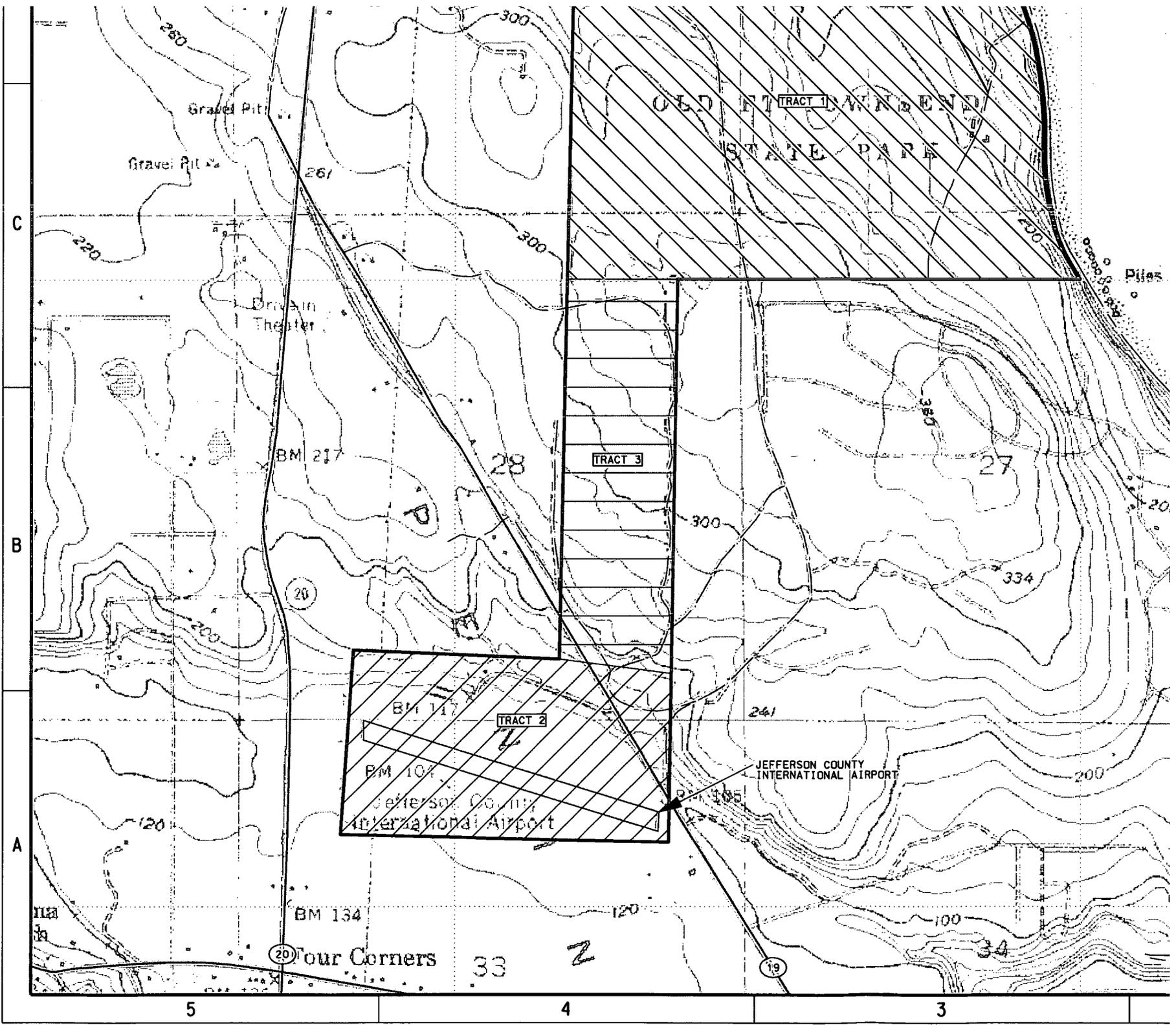


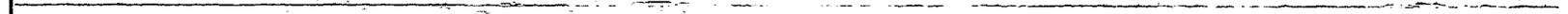
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17-MAR-2005 08:47
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17-MAR-2005 08:48
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