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# No Department of Defense Action Indicated Report

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Containerized Hazardous, Toxic, or Radioactive Waste  
(CON/HTRW)  
Project # F10AK025902  
Lake Peters Naval Arctic Research Laboratory  
Alaska

August 2010



Prepared By:  
U.S. Army Corps of Engineers - Alaska District  
Environmental Engineering Branch  
P.O. Box 6898  
Elmendorf AFB, Alaska 99506-0898



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## 1. INTRODUCTION

The Defense Environmental Restoration Program for Formerly Used Defense Sites (DERP-FUDS) authorizes the cleanup of contamination resulting from past military activities at sites no longer owned by the Department of Defense (DOD). The Lake Peters Naval Arctic Research Laboratory (NARL) site was identified as a FUDS site on 20 April 1990. An 8 August 1990 Findings and Determination of Eligibility report indicated that the site contained 1,235 Petroleum, Oil and Lubricant (POL) containers (55-gallon drums) [Note: it appears approximately 1,200 of the drums are not associated with Lake Peters; rather they marked a trail from Collinson Point to Sunset Pass, 20 miles north of Lake Peters]. A U.S. Army Corps of Engineers (USACE) Memorandum for Record dated 12 September 1994 indicates that all the drums had been removed from the site by the U.S. Fish and Wildlife Service (USFWS). A Revised Inventory Project Report (INPR) for Lake Peters dated June 1995 further indicates that the site had been environmentally restored by the USFWS and it no longer contained any hazardous/toxic waste. In April 2008, the U.S. Army Corps of Engineers (USACE) Alaska District contacted representatives from the Arctic National Wildlife Refuge – USFWS who verbally confirmed that the drums had been removed. Subsequent investigation by the Alaska District in October 2009 confirmed that no drums of military origin were visible at the site. The containerized hazardous, toxic and radioactive waste (CON/HTRW) project at this site is being recommended for closure and No DOD Action Indicated (NDAI) status based on:

- Confirmation of the U.S. Fish and Wildlife cleanup effort; and
- USACE's 2009 verification that no drums of military origin are visible at the site.

USACE is an agent for the Department of Defense (DOD) and has been assigned the responsibility of coordinating activities at FUDS sites. This project closeout report is issued by the U.S. Army Corps of Engineers Alaska District (Alaska District), the lead agency for the Lake Peters NARL FUDS.

## 2. SUMMARY OF SITE CONDITIONS

### 2.1 Site Location and History

The Lake Peters NARL is located at 69°19'01"N latitude, 145°03'01"W longitude, about 125 miles southeast of Prudhoe Bay and about 45 miles south of Collinson Point, Alaska as shown in Figure 1. It is located in a steep valley on the north face of the Brooks Range, on the edge of a colluvial fan at the base of Mount Chamberlin. The site was established in 1958 as a NARL to support small research projects. The site functioned as a satellite facility for the main NARL station in Barrow. Seven wood-framed structures, a tracked trailer, and a Quonset hut were identified as original structures at the site. No formal land withdrawal occurred for Lake Peters NARL camp. Therefore, there is no boundary information or disposal information and, consequently, no language which requires the Navy to restore the site. The site remains a part of the Arctic National Wildlife Refuge, under the jurisdiction of the Department of the Interior, U.S. Fish and Wildlife Service.

## 2.2 Site Investigation Activities

Representatives from the Alaska District Corps of Engineers investigated the site in July 1986 and September 1987. Approximately 35 POL drums were on-site and another approximately 1,200 POL drums marked a trail from Collinson Point to Sunset Pass (20 miles north of Lake Peters). The trail from Collinson Point was marked with 55-gallon drums spaced approximately 150 feet apart. While the trail is considered part of the Lake Peters site in early USACE investigations, it does not appear to be considered a part of the site in later investigations or by the Alaska Department of Environmental Conservation (ADEC).

A Site Visit in 1991 confirmed POL contaminated soils in close proximity to the generator shed. Contaminated soils are addressed under the HTRW project F10AK025903.

Contractors for the USACE again visited the site in October 2009 and found no visible evidence of remaining drums of military origin. Structures remaining on the site are the generator building, a bunkhouse, the main cabin, and an outhouse. The site also contains a new lined drum staging area surrounded by a portable foam-sided berm. Approximately seven 55-gallon drums were located in the staging area at the time of the site visit. The drums were intact and are maintained for USFWS operations. All remaining property and materials are the property of the USFWS.

Correspondence with USFWS in 2010 clarified their position that they no longer see evidence of drums of military origin at the site, but they have no record of contaminated soils having been addressed. The USFWS apparently “considers the site clean” only in regards to the drums, not the soil contamination (see Email Correspondence, Appendix A).

## 3. REMEDIAL ACTIVITIES

USACE representatives confirmed verbally in 1994 and 2008 that the USFWS removed the drums from the site. USACE visited the site in October of 2009 and confirmed that no visual evidence of drums of military origin remains within the vicinity of the site.

## 4. REFERENCES

ADEC, 2010. Contaminated Sites Database, Cleanup Chronology Report for Lake Peters Camp/DERP/Franklin Mts.

FUDSMIS, 2010. Project General Information, NDAI History.

USACE, 1990 (August). Defense Environmental Restoration Program for Formerly Used Defense Sites - *Findings and Determination of Eligibility (FDE) Report, Lake Peters Naval Arctic Research Laboratory Camp and Trail, Project No. F10AK025900.*

USACE, 1991 (January). *Hazardous and Toxic Waste Final Report – Lake Peters/Marsh Fork, Phase II Site Investigation and Basis for Design*, DOWL Engineers.

USACE, 1994 (September), (Bernard Gagnon). Memorandum for Record, To: CENPA-EN-EE-II (Attn: Gail Braten), Subject: Defense Environmental Restoration Program, Lake Peters NARL Site, Current Status.

USACE, 1995 (17 May). Email correspondence Duane Benfeld (NPA-C) to Gail Braten (NPA-B).

USACE, 1995 (18 May). *Site Survey Summary Sheet for DERP-FUDS Site Number F10AK025900 – Lake Peters, North Slope Borough, Alaska.*

USACE, 1995 (6 June). CENPA-EN-EE-II Memorandum for Commander, North Pacific Division, Subject: Defense Environmental Restorations Program-Formerly Used Defense Sites (DERP-FUDS) Inventory Project Report Revised (INPR) for Lake Peters, North Slope Borough, Alaska.

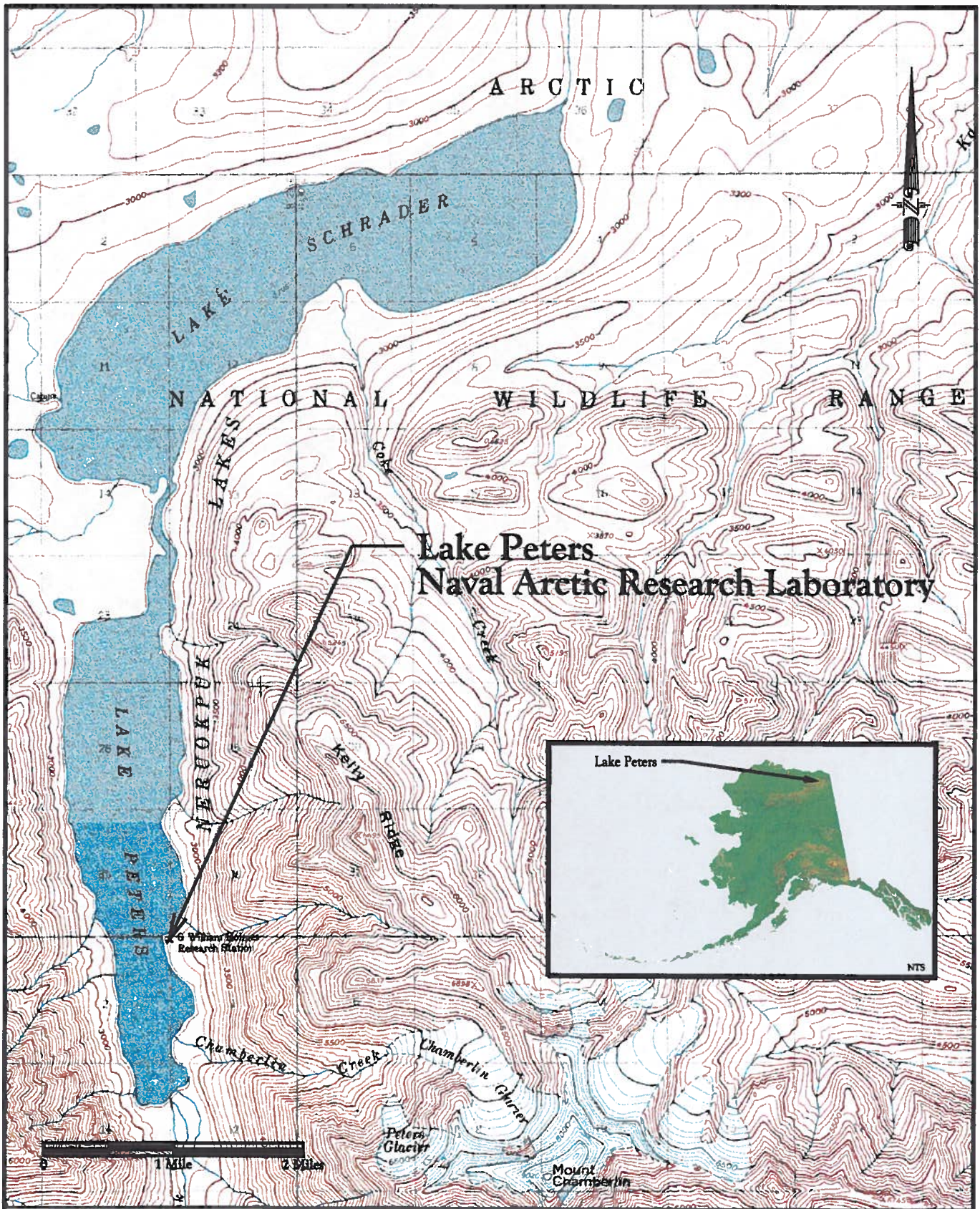
USACE, 1995 (28 June). CENPD-PM-MP Memorandum for CDR, HQUSACE (CEMP-RF), Subject: Defense Environmental Restoration Program for Formerly Used Defense Sites (DERP-FUDS), Inventory Project Report (INPR) for Site No. F10AK025900, Lake Peters, North Slope Borough, Alaska

USACE, 1995 (December). Correspondence to Delbert J. Rexford, North Slope Borough, Office of the Mayor, Barrow, Alaska.

USACE, 2008 (April). Memo for the Record.

USACE 2009 (December). *Site Inspection Report, Formerly Used Defense Sites Preliminary Site Inspections, Brownlow Point, Nuvagapak Point DEW Line Station, Jago River Drum Site, Lake Peters and Juniper Creek (Final)*, Jacobs Engineering Group Inc.





**Lake Peters  
Naval Arctic Research Laboratory**



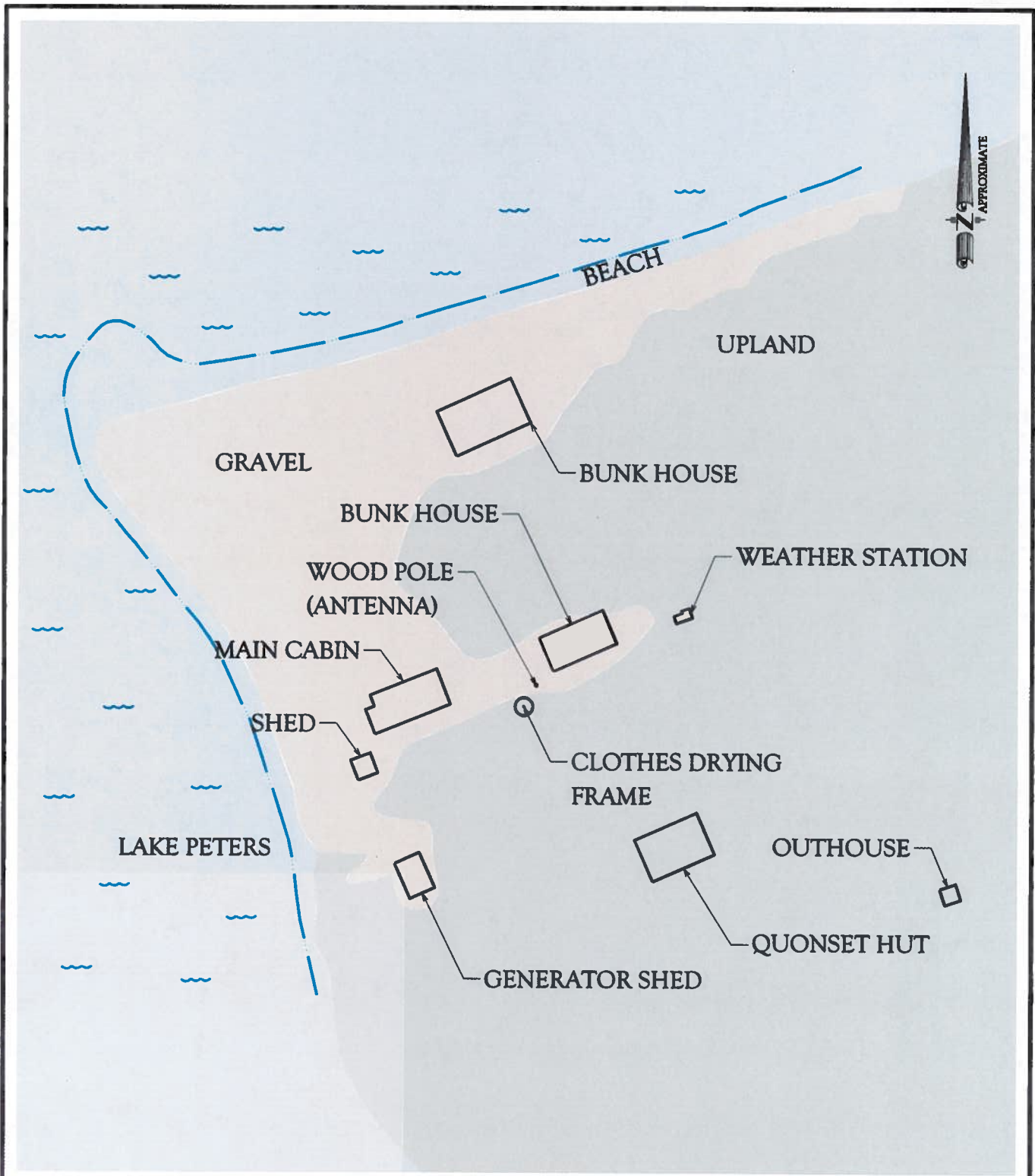
U.S. Army  
Corps of Engineers  
Alaska District

Lake Peters Naval Arctic Research Laboratory  
**LOCATION AND VICINITY**

January 2010  
Revision 0  
Scale: 1" = 1 Mile

**Figure**  
1





NOTES:  
 Building locations are approximate.  
 Sources: Dowl Engineers, Feb 5, 1992  
 Jacobs Engineering Group, December 2009



**APPENDIX A**  
**EMAIL CORRESPONDENCE FROM USFWS**



**From:** [Angela\\_Matz@fws.gov](mailto:Angela_Matz@fws.gov)  
**To:** [Peyton\\_Cheryl.G.POA](mailto:Peyton_Cheryl.G.POA)  
**Cc:** [Richard\\_Voss@fws.gov](mailto:Richard_Voss@fws.gov); [Jimmy\\_Fox@fws.gov](mailto:Jimmy_Fox@fws.gov); [Alan\\_Brackney@fws.gov](mailto:Alan_Brackney@fws.gov); [David\\_Sowards@fws.gov](mailto:David_Sowards@fws.gov); [Roger\\_Kave@fws.gov](mailto:Roger_Kave@fws.gov); [Hollis\\_Twitchell@fws.gov](mailto:Hollis_Twitchell@fws.gov); [David\\_Payer@fws.gov](mailto:David_Payer@fws.gov); [Philip\\_Johnson@fws.gov](mailto:Philip_Johnson@fws.gov)  
**Subject:** Peters Lake NARL FUDS site - what the FWS has done there.  
**Date:** Thursday, April 08, 2010 6:02:49 PM

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Dear Cheryl,

As requested by you, this email is to inform you of the Fish and Wildlife Service's (Service's) actions at the Peters Lake NARL FUDS site, sometimes also called Lake Peters, and can serve as an official description of the work we have done there.

First, we have not collected or analyzed any soil, sediments, or water samples for contaminants, nor have we removed any contaminated soils or sediments, except inadvertently by removing debris.

The staff of the Arctic National Wildlife Refuge (Refuge) has removed a great deal of debris, including barrels (which likely formerly contained petroleum products) and a large generator. They took down two building (a quonset hut and a shed) and removed numerous plane loads of other debris, including garbage, old boats, pieces of pieces of construction equipment. None of this is documented in Service files, as it was done on an ad-hoc basis, usually when there was available personnel and space in planes returning to Fairbanks. We do have an old aerial photo of the site in our files; please let me know if you'd like a scanned image of it (although it is most likely a duplicate of one in your files).

There are no remaining barrels, and no other generators. The remaining buildings have been refurbished and are used on a routine basis by Service and other DOI personnel, and we have constructed a fuel containment area for the aircraft fuel staged there.

We do not consider the site closed for FUDS purposes. There is still an area of contaminated soil, and at some point it would be good to get an updated report from you on the status of testing as well as a remediation time frame for the remaining contaminated areas.

I have cc'd Refuge staff and our Regional Environmental Contaminants Coordinator, Phil Johnson, whom I spoke with them during my investigation. They'll let us know if there is something I missed. In the meantime, thanks for your diligence in getting the files in order, and please let me know if I can be of further assistance.

Sincerely,

Angela

\*\*\*\*\*

Angela C. Matz, Ph.D.  
Environmental Contaminants Program Leader  
U.S. Fish and Wildlife Service  
101-12th Ave., Room 110  
Fairbanks, AK 99701  
(907) 456-0442  
(907) 456-0208 fax  
[angela\\_matz@fws.gov](mailto:angela_matz@fws.gov)



**APPENDIX B  
 FUDSMIS PROPERTY INFORMATION**

**Property Information**

Reporting Period For Working Data Through September 30, 2010.

**FDE Status:** Completed **FDE End Date:** 20-APR-1990  
**Property Status:** Eligible  
**Hazard Found:** Yes  
**Date Property NDAI:** **EPA 3016:** No  
**Regulatory Concurrence of Closure Date:** **Property Included in DSMOA CA:** No  
**Current Name:** LAKE PETERS **FFID:** AK9799F2747  
**NPL Name:** **FUDS Property NPL Status:** Not on the NPL  
  
**City:** KAKTOVIK, NEAR **State:** AK  
**County:** NORTH SLOPE **EPA Region:** 10  
**Zip Code:** **Congressional District:** At Large 00

Property Managers Name	Phone Number	Office Symbol
MOLLIE TEVRUCHT	907-753-2695	CEPOA-PM-P

**Latitude:** 69 d 19 m 01 s NORTH

**Longitude:** 145 d 03 m 01 s WEST

**Property Acreage:**

[Ok](#)

Project Category	Project Number	Non-DOD Hazards? (Y/N)	Recommend Project? (Y/N)	Approval Status? (A,P, or R)	Approval Status Date	Project Name or Description	NDAI Category	NDAI Date	Project Closeout Date
BD/DR	01	N	Y	A	19900923	DEBRIS	IV	19940930	19940930
CON/HTRW	02	N	Y	A	19900923	50 + 55-GAL POL DRUMS			
HTRW	03	N	Y	A	19900923	POL CONTAMINATED SOIL			

Data on this page last updated by NANCY PATTERSON on 26-APR-2006



**APPENDIX C**  
**ADEC CONTAMINATED SITES DATABASE**  
**CLEANUP CHRONOLOGY REPORT FOR**  
**LAKE PETERS CAMP**

**Alaska Department of Environmental Conservation**

**Contaminated Sites Database**

Cleanup Chronology Report for  
Lake Peters Camp/DERP/Franklin Mts.

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<b>File Number</b>	380.38.006	<b>Hazard ID</b>	1669
<b>SiteName</b>	Lake Peters Camp/DERP/Franklin Mts.	<b>Staff</b>	Debra Caillouet - 9072690298
<b>Address 1</b>	Franklin Mountains	<b>Status</b>	Active
<b>Address 2</b>	Lake Peters	<b>Landowner</b>	U.S. Department of Interior, Fish and Wildlife Service
<b>City/State/Zip</b>	Kaktovik, AK 99747		
<b>Latitude</b>	64.784440	<b>Meridian</b>	Umiat
<b>Longitude</b>	-141.860240	<b>Range</b>	
<b>Section</b>		<b>Township</b>	
<b>Institutional Controls Report</b>	No ICs exist for this site.	<b>Location</b>	<a href="#">View site on map</a>

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<b>Problem/Comments</b>	High level of petroleum contamination found surrounding generator house. DERP/FUDS. (rpltr3.1) According to the FUDS Site Summary dated 2/21/96, restoration includes 50+, 55 gallon POL drums scattered over 10 acres and approximately 200 cubic yards of POL-contaminated soil. The total estimated volume of debris is 40 cubic yards. Last staff assigned were Kalu and Markey. EPA ID: AK0001401363
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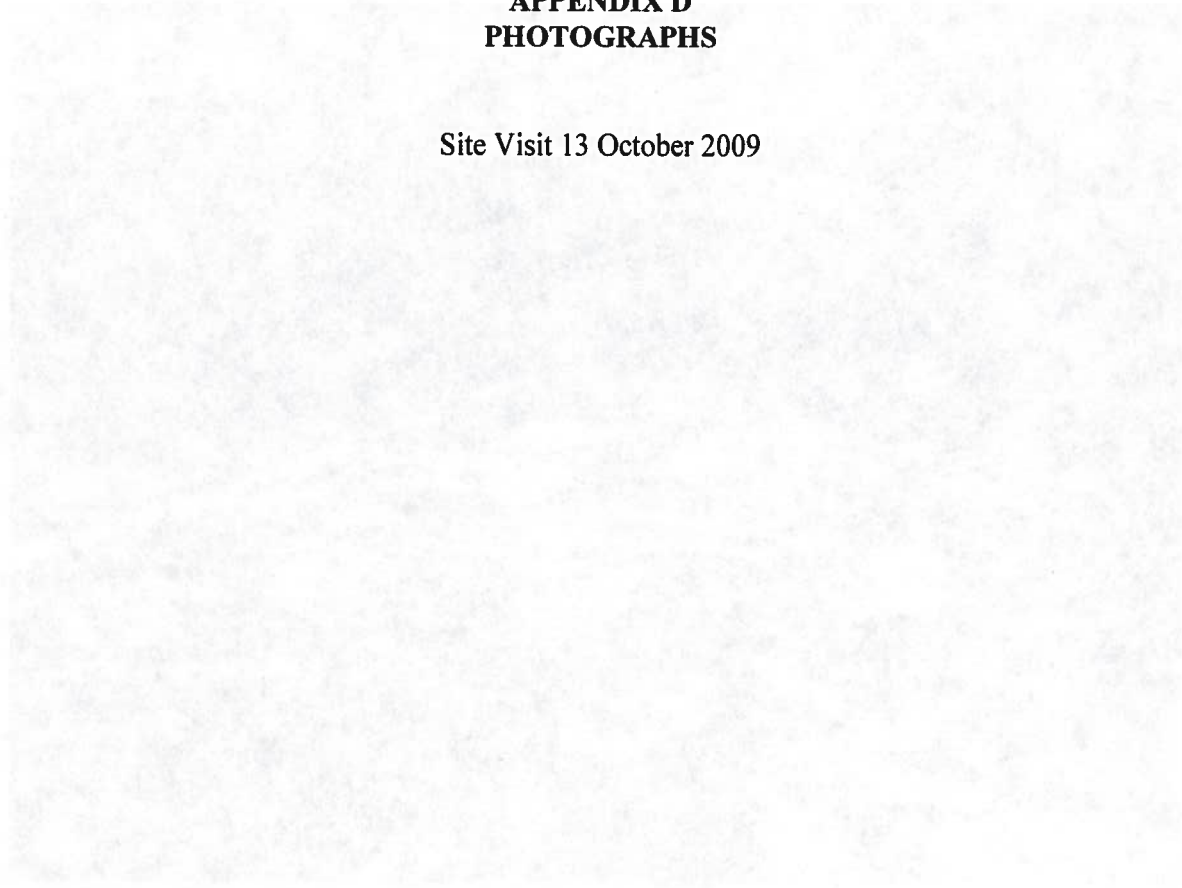
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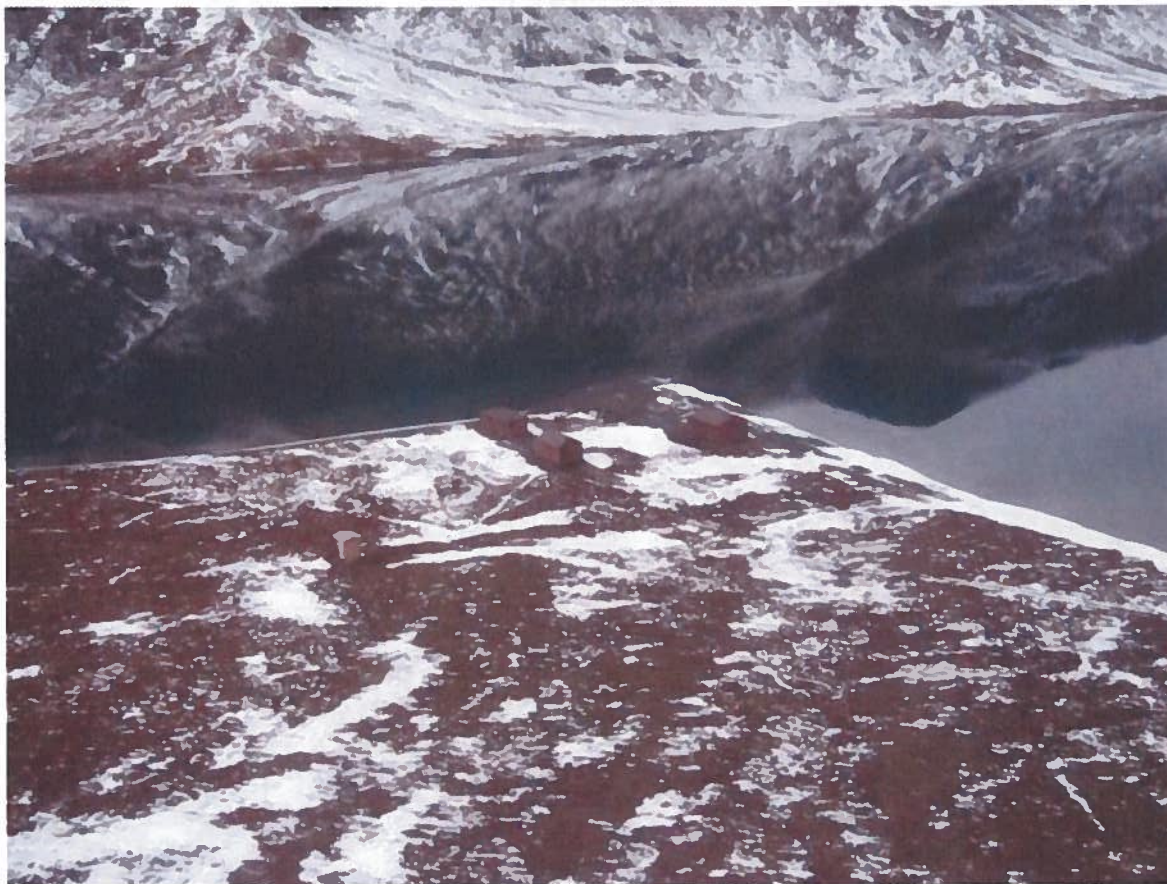
**Glossary/Acronyms**

Action Date	Action	Description	DEC Staff
05/31/1992	Site Added to Database	Petroleum contamination.	Couch, Bob
09/08/1992	Update or Other Action	(Old R:Base Action Code = RPL2 - Site Information Request Letter). ADEC staff sent PRP-CS Database Notification letter to RP requesting update and more environmental information concerning contaminated site. Jim Levine\COE called 10-5-92 and responded by returning updated DECRPTS.	Peterson, Jeff
01/05/1994	Update or Other Action	ADEC Bob Couch sent a letter to USACE requesting copies of recent documents for the project. As of 9/5/03 it looks like none were ever received.	Couch, Bob
01/04/1995	Site Ranked Using the AHRM	Initial ranking.	Peterson, Jeff
02/26/1996	Update or Other Action	EPA Site Discovery.	Wanstall, Bruce
03/20/1997	Update or Other Action	Site updated by Shannon and Wilson, based on the FUDS Site Summary dated 2/21/96.	No Longer Assigned,
03/09/1999	Preliminary Assessment Approved	CERLIS Database Action: EPA ranking determination concluded that No Further Remedial Action Planned (NFRAP) under the National Priority List (NPL) based on review of USDOJ Fish and Wildlife document: Lake Peters and Marsh Fork NARL Site.	Wanstall, Bruce
10/27/1999	Update or Other Action	Fish and Wildlife removed drums, Quonset hut burned to the ground. USFWS plans to remove remaining debris. Remaining on site: Generator Building and Generator. USFWS considers site clean with NFA planned. (COE records) F10AK0259	Markey, Rielle
05/21/2003	Site Number Identifier Changed	Changed Region from 36 to 31.	No Longer Assigned,
08/19/2003	Site Number Identifier Changed	Changed Workplan from X9 to X1 because there were no hazardous substances at the site.	No Longer Assigned,
09/05/2003	Update or Other Action	Site remains open but inactive.	No Longer Assigned,
11/02/2007	Exposure Tracking Model Ranking	Initial Ranking Complete for Source Area: 72647 (Autogenerated Action)	
03/15/2010	Report or Workplan Review - Other	The Site Inspection Report, Formerly Used Defense Sites Preliminary Site Inspections, Brownlow Point, Nuvagak Point DEW Line Station, Jago River Drum Site, Lake Peters, and Juniper Creek, North Slope Alaska, Final December 2009 was recieved. For Lake Peters it concludes: The USFWS follow-up work successfully removed all of the remaining drums and debris of military origin from the site, and currently there is no threat to human health or the environment. It is recommended that the Lake Peters site be eliminated from further consideration under the CERCLA guidance listed in 40 CFR 300.420(c)(1). The site should be listed as cleanup complete by ADEC and all necessary steps be completed to obtain site closure.	Caillouet, Debra

**APPENDIX D  
PHOTOGRAPHS**

Site Visit 13 October 2009





**Photograph 1.** Lake Peters Drum Site showing all the remaining structures onsite including the generator building, bunkhouse, main cabin, outhouse, and diesel fuel drum staging area (69°19'01"N latitude, 145°03'01"W longitude)



**Photograph 2. Main Cabin**



**Photograph 3. Generator Building**



**Photograph 4.** Designated drum staging area surrounded by portable foam sided berm (69°18'18"N latitude, 145°01'53"W longitude)



## **Peyton, Cheryl G POA**

---

**From:** Caillouet, Debra J (DEC) [deb.caillouet@alaska.gov]  
**Sent:** Wednesday, August 04, 2010 8:46 AM  
**To:** Jadhon, David A POA  
**Cc:** Peyton, Cheryl G POA  
**Subject:** RE: Lake Peters Revised July 2010 NDAI Decl and Report

This looks good. Only suggestion is to reprint the database summary as there are some changes. Then it will be ready for signature.

Deb Caillouet  
907-269-0298

-----Original Message-----

**From:** Jadhon, David A POA [mailto:David.A.Jadhon@usace.army.mil]  
**Sent:** Friday, July 30, 2010 2:49 PM  
**To:** Caillouet, Debra J (DEC)  
**Cc:** Peyton, Cheryl G POA  
**Subject:** FW: Lake Peters Revised July 2010 NDAI Decl and Report

Hi Deb,

Here's a draft of what will be provided to the Colonel for signature. We wanted you to have a look before it was finalized.

Please contact Cheryl with any questions/comments.

Thanks,

David

753-2595

-----Original Message-----

**From:** Peyton, Cheryl G POA  
**Sent:** Friday, July 30, 2010 2:38 PM  
**To:** Jadhon, David A POA  
**Subject:** Lake Peters Revised July 2010 NDAI Decl and Report

Dave,

Attached as requested are the revised Lake Peters reports. Let me know if you need anything else.

Many thanks,  
Cheryl  
X 2710

*Scott -*

*I added the new database  
summary & changed the dates -  
Otherwise, it is the same.*





## USACE-POA QUALITY ASSURANCE

# No DoD Action Indicated Report

Lake Peters Naval Arctic Research Laboratory  
CON/HTRW  
Project # F10AK025902

Alaska

Date: 29 July 2010

Project Name: Lake Peters Naval Arctic Research Laboratory

UPC Code:

Project Manager: David Jadhon, CEPOA-PM-C

Prepared by:

  
Cheryl Peyton, Environmental Engineer; CEPOA-EN-EE

CGA  
10 Aug 2010

Independent  
Technical Review:

N/A

QA/QC Approval:

  
Scott Kendall, Section Chief, CEPOA-EN-EE

Local File Location: O:\ESP\Private\FUDS\\_Properties\Lake Peters F10AK0259\CON HTRW  
Project Closeout

U.S. Army Corps of Engineers, Alaska District  
Environmental Engineering Branch (CEPOA-EN-EE)  
PO BOX 6898  
Elmendorf AFB, Alaska 99506-6898

