AERIAL PHOTOGRAPHIC SITE ANALYSIS FORT WINGATE DEPOT ACTIVITY FORT WINGATE, NEW MEXICO

September 2006

Prepared by: Environmental Research, Inc 5267 John Marshall Hwy, Suite C Linden, VA 22642

Prepared For:
Fort Wingate Depot Activity
Gallup, New Mexico
RCRA Permit No. NM 6213820974

REPORT DOCUMENTATION PAGE

Form Approved OMB No. 0704-0188

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Table 1 – Aerial Photographic Analysis

APPENDIX Aerial Photographs

1935
December 21, 1948
May 13 & 14, 1952
1958 & 1959
November 27, 1962
May 27, 1966
September 30 & October 1, 1973
May 31, 1978
June 7 & June 17, 1991
April 1, 1985
July 24, 1993
October 6, 1997
SWMU, AOC, and Parcel Boundary Overlay

1.0 INTRODUCTION

Environmental Research, Inc. (ERI) performed the following aerial photograph analysis of Fort Wingate Depot Activity (FWDA) for U.S. Army Corps of Engineers to support the Army's Base Realignment and Closure Program. The installation is located east of Gallup, New Mexico in McKinley County.

This document has been prepared for submission to the New Mexico Environment Department (NMED) Hazardous Waste Bureau (HWB), as required by Sections VIII.A.1.a and VIII.A.1.c of the Resource Conservation and Recovery Act (RCRA) Permit, No. NM 6213820974.

Aerial photographs spanning the period from 1935 to 1997 were stereoscopically analyzed to locate potential contamination sources and to document findings at the known Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs). Digital orthophotography from 2005 was also obtained. Analysis findings are keyed to aerial photographs spanning the study period. A clear overlay depicting the known SWMUs, AOCs, and parcel boundaries is included with the annotated aerial photographs. The following report describes the analysis findings. Digital files of the ortho-rectified aerial photographs with analysis findings have been written to digital videodisc (DVD). The DVD contains the image files, the ArcGIS shapefiles, and all metadata documents containing pertinent information. A compact disc (CD) is also provided with portable document files. The CD contains PDF files of the hardcopy report and annotated prints from the ArcGIS report. The ArcGIS files and/or the PDF files can be used alone or in combination with the hardcopy report. Hardcopy annotated photographs are also included as part of this report. A References section is included at the end of the report listing the aerial photographs, digital data, and maps used in the analysis and in the creation of the ArcGIS project. A Legend of Symbols is also included and should be used with the hard copy and/or the ArcGIS project.

2.0 QUALIFICATIONS AND EXPERIENCE

As the lead imagery analyst conducting the analysis for this report, Mary Sitton has 23 years experience in aerial photographic research, acquisition, and analysis, focusing on military and industrial operations and environmental conditions. Ms. Sitton is currently President of ERI, an aerial photography analysis firm based in Linden, Virginia that specializes in analysis of aerial photography for environmental investigations and litigation support. In this capacity, Ms. Sitton provides analysis services on projects involving environmental remediation and investigation to a variety of federal, state, local, and private agencies. Prior to her involvement with ERI, Ms. Sitton worked as an independent environmental consultant for the U.S. Department of Justice and as an onsite imagery analyst/geologist contractor for the U.S. Environmental Protection Agency's Environmental Photographic Interpretation Center (EPIC). To date, she has completed over 260 military and industrial aerial analysis projects and has performed quality control on numerous others.

Linley (Hank) Malcom, who conducted the quality control and editorial analysis for this report, has 35 years of experience as an imagery analyst dealing with military forces issues. Mr. Malcom retired from the Central Intelligence Agency (CIA) in 2000 after 30 years of service. During his CIA career, he developed analytical methodologies and conducted in-depth studies of foreign military forces; developed techniques for analysis of internal security forces; produced current intelligence; and mentored numerous junior and mid-level imagery analysts. From 1985 to 2000 he served as a Senior Imagery Analyst, and in this position he conducted and guided analysis of military forces and related issues. For the past five years he has been involved with analysis of industrial and military-related topics at ERI. Mr. Malcom holds a B.B.A. degree in Economic Geography from the University of Georgia.

3.0 METHODOLOGY

A search of government and commercial archives was undertaken to obtain aerial photographs covering the period from 1935 to 2005. The analysis was performed by viewing illuminated transparencies of aerial photographs through a zoom stereoscope. The 1962 aerial photographs were viewed digitally using 3-D viewing computer software. Stereoscopic viewing creates a three-dimensional effect which, when combined with viewing at various magnifications, enables the photographic analyst to identify signatures associated with different features and environmental conditions. The term "signature" refers to a combination of visible characteristics (such as color, tone, shadow, texture, size, shape, pattern and association), which permits a specific object or condition to be identified on aerial photographs. The academic and professional training, photo interpretation experience gained through repetitive observations of similar features or activities, and deductive logic of the analyst, as well as background information from collateral sources (e.g., site maps, geological reports, soil surveys and field reconnaissance) are critical factors employed in the photograph analysis.

All dates of aerial photographs were ortho-rectified and mosaics constructed of FWDA from the collection of aerial photographs obtained. The findings from the analysis were digitized and data layers were keyed to the mosaics. The findings can be viewed on the accompanying compact discs and digital print enlargements. Images are in State Plane, FIPS Zone 3003 (feet), GRS 1980, NAD83.

The enlargement prints covering the site were reproduced to illustrate the findings from the analysis. The analyst's findings are annotated on the enlargement prints, with additional comments and/or descriptions included in the accompanying text. Significant features identified in the analysis will be annotated until they are no longer visible unless otherwise specified. A legend is included to define the abbreviations and symbols annotated on the overlays. Due to factors inherent in the photographic reproduction process, the prints do not exhibit the level of detail that is visible to the analyst in analysis of the original aerial photographs; therefore, some features identified by the analyst may not be clearly discernible, or even visible, on the photographic prints presented in this report.

4.0 AERIAL PHOTOGRAPHIC ANALYSIS

The following Excel Spreadsheet depicts findings from the stereoscopic analysis of aerial photographs spanning the period 1935 to 1997. The listing includes a description of each known Solid Waste Management Unit (SWMU) and Area of Concern (AOC) as they appear on each date of aerial photographs analyzed. Throughout the analysis any other potential contamination sources or areas of concern were marked as Photo-Identified (PI) sites. The Photo-Identified sites are annotated only when they are active. Features noted within or near SWMUs and AOCs were annotated and included with the associated SWMU or AOC. If there were no significant findings (NSF) noted on the aerial photographs, the text is depicted as such. Large format annotated prints accompany this report along with a clear overlay depicting the location of all SWMUs and AOCs. A Legend of symbols is provided at the end of the report and should be used with the annotated aerial photographs and/or the digital files also provided with the report.

5.0 REFERENCES

AERIAL PHOTOGRAPHS

DATE	SOURCE	SCALE	TYPE ¹	MISSION	ROLL & FRAME
1935	NARA ²	1:20,000	B/W	-	2124-2130, 2134-2140
12-21-48	NARA	1:48,000	B/W	55RT M237	15-19
05-13-52	FSA ³	1:20,000	B/W	DRA	6: 191-194
05-14-52	FSA	1:20,000	B/W	DRA	7: 2-6
10-10-58	FSA	1:15,840	B/W	EDH	1: 66-70
11-01-58	FSA	1:15,840	B/W	EDH	1: 111-113, 118-125, 159-161
05-09-59	FSA	1:15,840	B/W	EDH	5: 45-49
11-27-62	USGS ⁴	1:24,000	B/W	VAOU	75-77, 88,89, 118-121, 139-142
05-27-66	FSA	1:20,000	B/W	EQC	2: 3-10, 57-60, 184-191
09-30-73	BLM ⁵	1:32,000	C	BLM-ARS	1-34: 32-35, 1-35: 33-35,
					2-33: 31-33
05-31-78	FSA	1:40,000	B/W	35031	278: 18-21, 116-122
04-01-85	INTRA ⁶	1:30,000	C	-	3297: 164-167, 212-219
06-17-91	FSA	1:40,000	CIR	NAPP	3565: 196-202 3570: 200-203
07-24-93	FSA	1:15,840	С	613030	193: 58-61, 24-31
10-06-97	USGS	1:40,000	B/W	NAPP	9944: 310-312 9945: 4-8
08-30-05	UNM ⁷	1:40,000	С	35108d	55-58
				35108e	57, 58

MAPS

<u>Title</u>	<u>Scale</u>	Source
Fort Wingate, NM	1:24,000	USGS
Church Rock, NM	1:24,000	USGS
Bread Springs, NM	1:24,000	USGS
Gallup East, NM	1:24,000	USGS
General Site & Building Use Map	1:15,000	FWAD
Figure 4 SWMU & AOC Locations	1:18,000	TerranearPMC

DOCUMENTS

Archives Search Report, Fort Wingate, Corps of Engineers, St. Louis District, July 1995

DIGITAL DATA

Digital Ortho Quarter Quadrangles (DOQQs) dated 10-06-1997: Bread Springs, NM (NE, SE); Church Rock, NM (NE, NW, SE, SW); Ciniza, NM (NW); Fort Wingate, NM (NE, NW, SE, SW); Gallup East, NM (SE); Pinedale, NM (SW).

Digital Raster Graphs: Bread Springs, Church Rock, Ciniza, Fort Wingate, Gallup East, Pinedale.

Digital Elevation Model: USGS seamless data (National Elevation Data Set) 1999.

¹ Film Type: B/W – Black & White, C – Color, CIR – Color Infrared

² National Archives & Records Administration

³ Farm Service Agency, U.S. Department of Agriculture ⁴ U.S. Geological Service, U.S. Department of the Interior

⁵ Bureau of Land Management, U.S. Department of the Interior

⁶ Intrasearch, Inc., Denver, CO

⁷ University of New Mexico, Resource Geographic Information System Program, Albuquerque, NM (Digital, monoscopic aerial orthophotography)

TABLE 1 - AERIAL PHOTOGRAPHIC ANALYSIS FORT WINGATE DEPOT ACTIVITY, NEW MEXICO

The following table outlines the aerial photographic analysis conducted by Environmental Research, Inc. Findings are presented by year for each Solid Waste Management Unit (SWMU), Area of Concern (AOC), and Photo-Identified Sites (PI). In 1935, only a few environmentally significant features or activities were noted. An administrative and utilities area and a non-operational airfield were in the northern portion of the installation. At least

115 storage buildings were present.

SWMU/ÃOC Number	Parcel Number	Description	Photo Date	Analysis Findings
SWMU 1	21	TNT Leaching Beds & Building 503	1935	NSF.
			1948	TNT Leach beds not yet constructed. An open tank is present near the northeast corner of B503. Light-toned material and ground scarring is present northwest of B503.
			1952	A pipe leads from B503 to an area of pooled liquid within the southern impoundment (TNT Leach Bed). The northern impoundment has not yet been constructed.
			1958	Two impoundments with liquid and material are present north of B503. The pipe from B503 to the impounded area remains. Two vertical tanks are present north and east of B503. Two new structures have been added south of B503. A pipe has been constructed between B503 and B501 (not annotated).
			1962	Three impoundments with liquid are present. The pipe, vertical tanks and structures remain. A ground scarred area with objects and staining are present north of the impoundments.
			1966	Two new impoundments have been constructed to the north. A pipe leads from B503 to the impoundment directly north of B503. Staining or liquid leads toward this impoundment from B503.
Aerial Photogra	anhic Analysis		1973	Three empty impoundments are present. A pipe leads to the northern impoundment. The vertical tank remains east of B503. A covered structure or magazine is present.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
			1978	Three impoundments and one vertical tank remain. The impoundments appear empty.
			1985	The impoundments remain but appear inactive. One vertical tank remains.
			1991	The impoundments remain but appear inactive. The vertical tank east of B503 remains.
			1993	No photo coverage.
			1997	The impoundments remain, but are inactive. One vertical tank remains. Access roads and vehicles and equipment are visible west and north of the impoundments and are likely related to remediation efforts.
SWMU 2	21	Building 515 (Painting and Acid Washout Building	1935	NSF.
		and Acid Holding Pond)	1948	NSF.
			1952	The Acid Holding Pond (pit) contains liquid. A probable horizontal tank is present northwest of B515.
			1958	A pipe has been constructed between B501 and B515 (not annotated). The acid holding pond (pit) remains; however, appears empty.
			1962	The acid holding pond (pit) contains liquid.
			1966	The acid holding pond (pit) contains liquid.
			1973	An empty pit is located where the former acid pond was located.
			1978	The pit remains however, it appears empty. A pipe is visible leading into the pit from the north.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
		Description	1985	The pit contains liquid likely due to recent precipitation. Probable equipment is present on the west side of the pit.
			1991	The acid holding pond appears inactive.
			1993	No photo coverage.
			1997	A ground scarred area is present where the former acid holding pond was located.
SWMU 3	11	Fenced Storage Yard (Former Storage Yard or DRMO Area, Extended Storage Yard, Former	1935	NSF.
		Coal Storage Area)	1948	Mounded material is present west onsite. Open storage of materials is present east and west of the site.
			1952	A fenced open storage area with a concrete pad is present. Dark-toned material (probable coal) is present within the fenced area.
			1958	Dark-toned material (probable coal) is present on the pad.
			1962	Dark-toned material and staining are present on the pad. Open storage of materials is present east of the pad.
			1966	Dark-toned material and staining are present on the pad. Probable staining is also present north of the pad.
			1973	Grey mounded material is present on the pad. Staining is evident east of the pad. Equipment (not annotated) is present east and north of storage pad. Vehicle and equipment storage is present in the southern portion of the site.
			1978	Medium-toned objects or material is stored on the pad. A bermed vertical tank is present in the southwestern portion of the site.
			1985	Gray mounded material, probably gravel, is present onsite.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
Nullibel	Number	Description	1991	Medium-toned mounded material, probably gravel, is on the
				pad. The vertical tank seen in 1978 has been removed.
			1993	No photo coverage.
			1997	NSF.
SWMU 4	6	Building 600 (Building 539, Ammunition Work Shop Area Change House and Laundry)	1935	NSF.
		,	1948	B600 is present. NSF.
			1952	B600 is present. NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
SWMU 5	11	Building 5	1935	NSF.
			1948	B5 is present. NSF.
			1952	B5 is present. NSF.
April Distance			1958	NSF.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
Hamber	Number	Description		
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
SWMU 6	11	Building 11	1935	NSF.
		(Former Locomotive Shop)	1948	Staining is present on the west side of the building.
			1952	B11 is present. Railcars are present east and west of the building.
			1958	Open storage of probable containers is present east of B11.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.

SWMU/AOC	Parcel			
Number	Number	Description	Photo Date	, ,
			1993	No photo coverage.
			1997	NSF.
SWMU 7	21	Fire Training Ground	1935	NSF.
			1948	NSF.
			1952	Access roads lead to an area of light-toned material in the southern portion of the site. Disturbed ground and probable liquid is present in the northern portion of the site.
			1958	NSF.
			1962	NSF.
			1966	Disturbed ground is present in the northern portion of the site. Light and dark-toned material is present to the south.
			1973	A ground scarred area with probable debris is present.
			1978	Disturbed ground, a probable tank and a hose are visible.
			1985	NSF.
			1991	A ground scarred area is present.
			1993	No photo coverage.
			1997	NSF.
SWMU 8	6	Building 537	1935	NSF.
		(Pesticide and Field Battery Shop)	1948	A large ditch or trench is located south of B537. Light-toned material is present east of B537.
			1952	Light-toned material is visible south of B537.

SWMU/AOC	Parcel	December 1	Photo Date	Analysis Findings
Number	Number	Description	1958	Analysis Findings NSF.
			1936	Nor.
			1962	NSF.
			1966	
				Staining or dark-toned material extends from B537 to the east.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
SWMU 9	7	POL Waste Discharge Area	1935	NSF.
		•	1948	NSF.
			1952	An access road leads into a probable stained area. Probable staining is also visible to the east.
			1958	An access road leads into the site from the Administration Area.
			1962	NSF.
			1966	Staining is noted north of the site and dark-toned material is present south of the site.
			1973	Dark toned material is present east of the site.
			1978	Dark-toned material remains southeast of the site.

SWMU/AOC	Parcel	T		
Number	Number	Description	Photo Date	Analysis Findings
	=		1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
SWMU 10	11	Sewage Treatment Plant (includes Buildings/	1935	NSF.
		Structures 22, T-37, 63, 69, 70, 71, 72, 73, 74a, 74b, 74c, 74d, 82, 83, document incinerator, Structure 745, drainage ditch, septic system at sewage treatment plant.	1948	Four impoundments containing liquid or material are present. A vertical tank is located in the southern portion of the site. A ground scarred area and dark-toned material are present to the east.
			1952	Four impoundments containing liquid and/or material are present. Dark-toned material, mounded material and a vertical tank are located in the southern portion of the site. An access road leads to an oval-shaped ground-scarred area east of the site. Dark-toned material is located south of the ground scar.
			1958	Four impoundments containing liquid are present. Two open- topped vertical tanks are present in the southern end of the site. Remnant ground scarring and dark-toned material are present east of the site.
			1962	Four impoundments containing liquid are present. Two open- topped vertical tanks are present in the southern end of the site. Remnant ground scarring and dark-toned material are present east of the site.
			1966	Four impoundments containing liquid are present. Two open- topped vertical tanks are present in the southern end of the site. Remnant ground scarring and dark-toned material are present east of the site.
			1973	Four impoundments and the probable incinerator remain.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
			1978	The impoundments and vertical tank remain. An excavated area is located adjacent to the west side of the site.
			1985	Four impoundments (all containing liquid) and the vertical tank remain.
			1991	A new impoundment has been constructed west of the site. Two of four impoundments onsite contain liquid. The vertical tank remains.
			1993	No photo coverage.
			1997	The impoundments appear inactive and contain vegetation. The vertical tank remains, likely inactive.
SWMU 11	6	Building 542 (Ammunition Workshop) and	1935	NSF.
		Building 541	1948	An excavation is present within a fill area north of B542.
			1952	Two light-toned structures are located at the edge of a fill area located north of B542.
			1958	Two bermed structures are present with a fill area north of B542.
			1962	Two bermed structures and a fill area remain north of B542. An excavation is present farther north.
			1966	Two bermed structures and a fill area remain north of B542. An excavation is present farther north. Light-toned material is present west of B542.
			1973	A pipe has been added leading into the fill area north of B542.
			1978	NSF.
			1985	Light-toned mounded material is present west of B541.

SWMU/AOC Number	Parcel Number	Decemintion	Photo Date	Analysis Findings
Number	Number	Description	Photo Date	Analysis Findings
			1991	The area north of the site is being excavated.
			1993	No photo coverage.
			1997	Probable rubble and/or debris is located west of the buildings.
SWMU 12		Building 536 (Inspectors Workshop and	1935	NSF.
		Ammunition Renovation Depot)	1948	Disturbed ground and probable debris are located north of B536.
			1952	B536 is present. Disturbed ground is present north of the building.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	NSF.
			1997	Open storage of probable crates are present east of B536.
SWMU 13	18	Eastern Landfill	1935	NSF.
			1948	NSF.
			1952	An access road leads to a bermed structure.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
			1958	A trench with debris is present. Dark-toned material is located west of the trench.
			1962	Another trench with debris has been added since 1958.
			1966	Another trench with debris has been constructed since 1962. Probable debris is visible south of the trench.
			1973	A three-sided bermed area and probable debris are visible.
			1978	An excavated area is present.
			1985	NSF.
			1991	A trench or ditch is visible in the northern portion of the site.
			1993	No photo coverage.
			1997	NSF.
SWMU 14	3	Old Burning Ground and Demolition Landfill Area (Includes KGA-3, KGA-4, KGA-5, KP-2, KP-3, KP-4, Arreys in Fernand Lin Harrey) (allege and Digge	1935	Two areas of disturbed ground and dark-toned material are present.
		4, Arroyo in Fenced Up Horse Valley, and Dump Pile)	1948	Multi-toned material (probable debris) is located along the western wall of Fenced Up Horse Valley. Erosional rills (not annotated) are present. A dark-toned ditch or trench is present to the south.
			1952	Multi-toned material (probable debris) is located along western wall of Fenced Up Horse Valley. Access road leads to an area of stacked material on the west side of site. A bermed area with dark-toned material is visible to the south.
			1958	A large graded area is present. Stacked materials (probable debris, crates, containers, etc.) are present at the southern end of the graded area.

SWMU/AOC	Parcel		Dhata Dat	Analysis Ele Vene
Number	Number	Description	Photo Date	<u> </u>
			1962	A significant number of crates and containers are present onsite.
			1966	A significant amount of crates, containers and debris are present onsite including an area of debris in the arroyo. A ground scar and probable debris are visible south of the site.
			1973	Staining is evident in the southern end of the site.
			1978	NSF.
			1985	
				Probable debris (old crates or open bins) are present in the southern portion of the site. An access road leads to a cleared area with objects or equipment and several probable vehicles.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
SWMU 15	3	Old Demolition Area	1935	NSF.
		(includes Inactive EOD Area, KGA-1, KGA-2, Old OB/OD & Buried White Phosphorus Rounds, and Three Mounds in Fenced-Up Horse Valley)		A graded area with mounded material is present. Three mounds of material are located in the eastern portion of the site.
			1952	Disturbed ground occupies the western portion of the site. Three mounds of material are located in the eastern portion of the site.
			1958	A loop access road is at the north end of the site; however, the area appears inactive and revegetating. The three mounds of material remain.
			1962	The three mounds of material remain.
ı				

SWMU/AOC	Parcel			
Number	Number	Description	Photo Date	, s
			1966	Dark-toned material and three areas of mounded material are visible onsite.
			1973	Three mounds of material remain.
			1978	Three mounds of material remain.
			1985	Three mounds of material remain.
			1991	Three mounds of material remain.
			1993	No photo coverage.
			1997	NSF.
SWMU 16	16 May inclu	Functional Test Range 2/3	1935	NSF.
	May Inclu	de 15	1948	Three areas of stacked materials or structures are present in the northern portion of the site. A graded area is present to the east. Two stained probable burn areas are present. An area of ground scarring is also present.
			1952	Four rectangular graded areas are visible in the northern portion of the site.
			1958	Mounded material has been added to the previously cleared area located in the northwestern portion of the site. A cleared area is present in the eastern portion of the site. Graded areas remain.
			1962	Medium-toned mounded material is present in the northwestern portion of the site. Graded areas and cleared areas are present in the central and eastern portions of the site.
			1966	Medium-toned mounded material is present in the northwestern portion of the site. Graded areas and cleared areas are present in the central and eastern portions of the

SWMU/AOC	Parcel			
Number	Number	Description	Photo Date	•
			1973	Graded areas remain on site. Debris or objects are located within the easternmost graded area. Dark-toned objects or debris are present south of the graded areas. A stained or burned area and a bermed pit are present near the center of the site. Several other dark-toned areas are located within and near the southern portion of the site.
			1978	Graded areas remain although appear inactive. Probable debris or dark objects are visible with a drainage ditch in the eastern portion of the site. An impoundment or pond is present in the southern portion of the site. Disturbed ground and a graded area are visible southeast of the site.
			1985	The dark-toned objects or debris remain. The impoundment or pond remains to the south.
			1991	Graded areas remain; however, appear inactive. Dark-toned objects or materials and the impoundment or pond remain.
			1993	The dark-toned objects or equipment remains in the northern portion of the site. The impoundment or pond remains to the south.
			1997	The impoundment or pond remains.
SWMU 17	2	Western Rifle Range	1935	NSF.
			1948	NSF.
			1952	NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
		-	1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	Two ranges are present.
			1993	No photo coverage.
			1997	The range is present. Berms are present in the northern and southern portions of the site (not annotated).
AOC 18	9, 24	Igloo Block A	1935	A ground scarred or graded area is present; probably a former or planned storage building location.
			1948	NSF.
			1952	Two large graded areas are present in the south end of the site.
			1958	NSF.
			1962	A trench or excavation is located north of AOC 18.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	Large eroded areas are present in the northern portion of the site likely due to recent heavy precipitation.
			1991	NSF.
			1993	No photo coverage.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
			1997	Vehicles and equipment are present in the northern end of the site and are likely associated with remediation efforts. An access road leads to an excavated area north of the site.
SWMU 19	21	Building 501	1935	NSF.
		(Former Boiler House and Heating Plant No. 7)	1948	B501 is present with a stack (not annotated).
			1952	NSF.
			1958	NSF.
			1962	Staining is visible adjacent to the site and to the north.
			1966	Staining is visible north of B501.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
SWMU 20	7	Western Landfill, includes Features 3 and 4 on 1962 air photo API-3 (1995 Archive Search Report)	Feature 3 (A 1935	NPI-3): NSF.
			1948	An area of disturbed ground and probable debris is present. Stacked materials (not annotated) are present in the southern end of the site.
A suited Disease			1952	Debris and a dark-toned area are present. Stacked materials

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
		2		(not annotated) are present in the southern end of the site.
			1958	Stacked containers, a probable vertical tank, and open bins are present.
			1962	Stacked containers remain onsite.
			1966	Numerous crates are stacked between SWMU 20 and AOC 43.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
			Western Lar 1935	ndfill: NSF.
			1948	Two access roads lead to an area of dark-toned material in the south end of the site. A drainage ditch also leads toward the dark-toned materials.
			1952	Debris and dark-toned material present.
			1958	Stacked containers are present in the southern end of the site.
			1962	NSF.
			1966	NSF.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
			1973	NSF. Inactive.
			1978	NSF.
			1985	NSF.
			1991	An access road leads to a trench in the northern portion of the site.
			1993	No photo coverage.
			1997	NSF.
			Feature 4 (A 1935	PI-3): NSF.
			1948	An access road leads to probable debris.
			1952	An access road leads to an area containing dark-toned material and probable debris.
			1958	A dark-toned probable trench is present. Dark-toned material is present east of the site.
			1962	Multi-toned material and debris are present. Dark-toned material remains east of the site.
			1966	Multi-toned material and debris remain onsite. Dark-toned material or staining remains east of the site.
			1973	A rectangular ground scar and dark-toned material are present; however, the site is inactive.
			1978	NSF.
			1985	NSF.

SWMU/AOC	Parcel			
Number	Number	Description	Photo Date	Analysis Findings
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
SWMU 21	23	Central Landfill	1935	NSF.
			1948	NSF.
			1952	NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	Multi-toned material is present within the arroyo.
			1978	A fill area with probable debris is visible.
			1985	An access road leads to an area of rubble and debris in the southern end of the site. Rubble and debris remain south of the site (may be associated with AOC 73).
			1991	A fill area with debris is present. More rubble and debris is visible in the ditch south of the site (See AOC 73).
			1993	Light-toned material is present near the center of the site. Rubble and debris remains south of the site (See AOC 73).
			1997	Three areas of mounded material are present in the northern portion of the site. Probable debris and probable vehicles or equipment are present south of the site.
SWMU 22	2	Group C Landfill	1935	NSF.

SWMU/AOC	Parcel	2	Dhata Data	Analysis Findings
Number	Number	Description	Photo Date	
			1948	NSF.
			1952	NSF.
			1958	Light-toned material is present onsite and north of the site.
			1962	NSF.
			1966	NSF.
			1973	A pond has been constructed within the arroyo between the landfill site.
			1978	The pond remains.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
SWMU 23	11	Building 8 (Paint Shop or Carpenter Shop) and	1935	NSF.
		Building 7 (Paint Shop and Paint Storage Warehouse)	1948	B7 and B8 present. NSF.
			1952	B7 and B8 present. NSF.
			1958	Light-toned material or staining is present outside the southern end of B7.
			1962	NSF.
			1966	NSF.
			1973	NSF.

SWMU/AOC	Parcel			
Number	Number	Description	Photo Date	, ,
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
SWMU 24	11	Building 15 (Garage and Storage Bldg.)	1935	NSF.
			1948	Open storage of materials are west of B15. Two drainage channels lead north to the Puerco River.
			1952	B15 present. NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	A probable stain is visible north of B15.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
SWMU 25	7	Trash Burning Ground Property Disposal Office includes Features 1, 2 and 5 on the 1962 aerial photo API-3 (from the 1995 Archive Search	Feature 5 (A 1935	NSF.

SWMU/AOC Number	Parcel Number	Deceriation	Photo Date	Analysis Findings
Number	Number	Description Report)	1948	Packed earthen storage area with a berm is present. A
		reporty	1010	drainage ditch is present on the east and south sides. Darktoned material is present east of the site.
			1952	
				An access road leads to an area of dark-toned material. Dark toned material is also visible in depression east of site.
			1958	An access road leads to an area of dark-toned material. Dark toned material is also present to the east.
			1962	Dark-toned material and probable debris are present at the sit and east of the site.
			1966	Dark-toned material remains onsite and east of the site.
			1973	The area appears inactive; however, two dark-toned areas remain (one inside the site, one to the east).
			1978	Dark-toned material remains onsite and east of the site. Probable crates are stacked north of the site.
			1985	Dark-toned material remains onsite and east of site.
			1991	Dark-toned material remains within the site and to the east. Both areas contain vegetation.
			1993	No photo coverage.
			1997	Dark-toned material remains onsite and east of the site.
			Feature 1 (A 1935	PI-3) NSF.
			1948	A graded area is present.
			1952	Rectangular excavation with linear mounds of material.

SWMU/AOC Number	Parcel Number	Deceriation	Photo Date	Analysis Findings
Number	Number	Description	1958	NSF.
			1962	NSF.
			1902	NOF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
			Feature 2 (A	API-3)
			1935	NSF.
			1948	A probable trench scar is visible. A berm is located on the north side of the scar.
			1952	A stained access road leads from SWMU 20 to a depression with probable staining .
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
Number	Number	Description	Photo Date	Analysis Findings
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
SWMU 26	10	Suspected POL Area. Large berm north of the railroad classification yard.	1935	NSF.
		Tallioad Classification yard.	1948	A bermed rail spur is present. NSF.
			1952	Bermed rail spur is present.
			1958	Mounded material (berm) is present. An access road leads to a ground scarred area east of the site.
			1962	NSF.
			1966	NSF.
			1973	Bermed rail spur remains.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
SWMU 27	22	Building 528 Complex. Includes Building 528	1935	NSF.
		(Ammunition Normal Maintenance Building), Building 528A (temporary storage igloo), AOC	1948	NSF. Building not yet constructed.
		121 (Building 528B, temporary storage igloo), AOC 122 (Building 529), AOC 125 (Building 550, vacuum collector barricade), AOC126 (Building	1952	NSF. Building not yet constructed.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
Number	Number	551, service magazine)	1958	Several new buildings have been constructed since 1952. An access road leads to an area of disturbed ground with a linear row of mounded material north of the site. An excavated area with light-toned material is also north of the site.
			1962	The excavation with light-toned material remains north of B528 complex.
			1966	A ground scarred area is present south of the largest building in the complex. The excavation with light-toned material remains to the northeast.
			1973	An access road leads to a cleared area south of the site.
			1978	NSF.
			1985	NSF.
			1991	A new building, light-toned object and a berm are visible east of the main building.
			1993	Partial photo coverage. NSF.
			1997	Numerous crates are stored east and west of B528. Two trailers are north of B528.
AOC 28	6	Igloo Block B	1935	Two ground scarred or graded areas are present; probably former or planned building locations.
			1948	NSF.
			1952	NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
	<u> </u>	2.000.,p.11011	1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	Partial photo coverage. NSF.
			1997	NSF.
AOC 29	2, 4, 23	Igloo Block C	1935	NSF.
			1948	NSF.
			1952	NSF.
			1958	Open storage of crates is present in the south central portion of the site.
			1962	Open storage of materials (crates) is present in the south central portion of the site.
			1966	A ground scar or disturbed ground is present in the southern portion of the site. An access road leads to an area of disturbed ground north of the site.
			1973	Mounded material (probably earthen) is present in the northern portion of the site.
			1978	Two ponds or revetments are present in the southern end of the site. Mounded material remains.
			1985	NSF.
			1991	Mounded material remains and contains vegetation.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
Number	Number	Description	Photo Date	Analysis Findings
			1993	No photo coverage.
			1997	NSF.
AOC 30	19, 22	Igloo Block D	1935	NSF.
			1948	NSF.
			1952	NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	NSF.
			1997	NSF.
AOC 31	19	Igloo Block E	1935	NSF.
			1948	Access roads lead to an area of disturbed ground north of the site.
			1952	NSF.
			1958	NSF.

SWMU/AOC	Parcel			
Number	Number	Description	Photo Date	, ,
	_		1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	NSF.
			1997	NSF.
AOC 32	19	Igloo Block F	1935	An excavation or area of disturbed ground is present northeast of AOC 32 and may be the location of a former or planned building.
			1948	Cleared areas are present to the east.
			1952	Cleared areas are present to the east.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.

SWMU/AOC Number	Parcel Number	Deceriation	Photo Date	Analysis Findings
Number	Number	Description	1993	Blue and grey mounded material are present on the storage pad east of the site. Staining or liquid is visible adjacent to the blue material.
			1997	NSF.
SWMU 33	3	Waste Pile KP1	1935	NSF.
			1948	NSF.
			1952	NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
AOC 34	19	Igloo Block G	1935	NSF.
			1948	Stacked material or a structure is west of the site.
			1952	A ground scar or graded area is present where stacked material was seen in 1948.
Assist Disease			1958	A ground scar or graded area is west of the site.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
		·	1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	Vehicles (trailer trucks) are seen in the eastern portion of the site.
			1991	NSF.
			1993	NSF.
			1997	NSF.
AOC 35	2	Igloo Block H	1935	NSF.
			1948	NSF.
			1952	NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
Nullibei	Number	Description	1993	Partial coverage. NSF.
			1997	NSF.
AOC 36	2	Igloo Block J	1935	NSF.
		(includes Missile Launch Pad used by MDA)	1948	NSF.
			1952	A cleared area is located in the northern portion of the site. Igloos have not yet been constructed.
			1958	Igloos have been constructed since 1952. A fill area is present outside the southwestern portion of the site and may be related to construction.
			1962	The fill area outside the storage area remains.
			1966	The fill area outside the storage area remains.
			1973	The fill area remains.
			1978	The fill area remains southwest of the site.
			1985	The fill area remains adjacent to the site.
			1991	NSF.
			1993	Partial coverage. NSF.
			1997	Three new buildings have been constructed within Igloo Block J.
SWMU 37	11	Building 9	1935	NSF.
		(Machine Shop and Signal Shop)	1948	B9 present. NSF.
			1952	B9 present. NSF.

SWMU/AOC Number	Parcel Number	Deceription	Photo Date	Analysis Findings
Number	Number	Description	1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
SWMU 38	20	Functional Test Range 1	1935	NSF.
			1948	Two revetments and an area of dark-toned material in a bermed area are present in the northeast portion of the site. An access road leads to a large area devoid of vegetation in the center of the site. Access roads lead to a large cleared and graded area east of the site. The cleared area remains throughout the study period.
			1952	An access road leads to a cleared area and disturbed ground in the northeast corner of the site. Dark-toned material or liquid is visible within a bermed area between the cleared area and the disturbed ground.
			1958	An access road leads to a large berm in the northeast portion of the site. A new access road leads to the center of the test area where three structures and two mounds are present.
			1962	The berm and two revetments remain in the northern portion of the site. Three structures remain near the center of the site.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
		Secription		Numerous ground scars are present east and south of the structures. A blast wall or berm is located in the southwestern corner of the site and is likely a temporary storage area for explosives.
			1966	A berm and one revetment remain in the northern portion of the site. A ground scarred area is present at the location of a former revetment west of the berm. Three structures and a probable trench scar are located near the center of the site. Three walls or foundations are present in the southern portion of the site. The southernmost structure has probable firing pads.
			1973	A berm and probable stain are present in the northeastern portion of the site. The central portion of the site appears inactive. The three walls or foundations (firing positions) remain. A ground scarred area located west of the central wall may be an impact area. A structure or pen and a pond are present west of the site.
			1978	Two ground scarred areas, probable debris, a graded area and a berm are present to the north. The walls or foundations remain to the south. Disturbed ground is present east of the south wall. The cleared area remains east of the site. The structure or pen and pond remain to the west. A pond is visible south of the site.
			1985	The berm and revetments in the northern portion of the site remain. A pond and pen are present west of the site. The walls or foundations in the southern portion of the site are eroding.
			1991	The berm and revetments remain in the northern portion of the site; however, the area appears inactive. Two walls or foundations remain in the southern portion of the site. An area of disturbed ground is present near the southernmost wall. The structure or pen and pond remain west of the site.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
		2000p.10	1993	The revetments and berm remain. The structure or pen and pond remain east of the site.
			1997	The berm and revetments remain in the northern portion of the site. An access road leads to an area containing mounded material and probable vehicles or equipment. A new access road continues to the south. A pond and pen are west of the site.
SWMU 39	19	Pistol Range	1935	NSF.
			1948	Range is present
			1952	Range is present.
			1958	The range remains. Objects or mounded material are present north of the backstop.
			1962	The range remains.
			1966	The range remains.
			1973	The range remains.
			1978	The range remains.
			1985	The range remains. A new berm has been constructed north of the range, likely for erosion and drainage control.
			1991	The range remains.
			1993	The range remains.
			1997	The range remains.
SWMU 40	11	South Administration Area Includes: Coal Tar Storage Tanks (Structures 58, 59, and	Coal Storag	e Tanks: NSF.

SWMU/AOC	Parcel	Ι		
Number	Number	Description	Photo Date	Analysis Findings
	_	60)	1948	Coal tanks present. NSF.
		Building 10		
		Building 12	1952	Two probable horizontal tanks are visible. Staining is visible
		Building 13 Building 14		south of the tanks. (Not annotated).
		Building 29	1958	Two horizontal and one vertical tank are present. Staining is
		Building T-33	1000	present on one of the horizontal tanks and east of the site.
		Building T-34		
		Building 36	1962	The tanks remain. Staining is present north of the tanks.
		UST #5	1000	The observation is a second
		Structure T-49 Building T-50	1966	The storage tanks remain.
		Structure 57	1973	Tanks remain. NSF.
		Structure 63		
			1978	The tanks remain. NSF.
			1991	One tank remains.
			1993	No photo coverage.
			1000	The priote coverage.
			1997	NSF.
			Building 10:	
			1935	NSF.
			1948	B10 not yet constructed. Open storage of materials present in
				this location.
			4050	
			1952	B10 not yet constructed. Open storage of materials present in this location.
				uns iocauon.
			1958	Open storage of materials are present west of B10.
				,
			1962	NSF.
			4000	NCC
			1966	NSF.

SWMU/AOC Number	Parcel	Description	Photo Date	Analysis Findings
Number	Number	Description	1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
			Building 12: 1935	NSF.
			1948	B12 present. NSF.
			1952	B12 present. NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	Vehicle and equipment storage is west of B12.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
			Building 13:	

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
Number	Number	Description	1935	NSF.
			1948	B13 present. NSF.
			1952	B13 present. NSF.
			1958	NSF.
			1962	Crates are present north of the building.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
			Building 14: 1935	NSF.
			1948	B14 present. NSF.
			1952	B14 present. NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	NSF.

SWMU/AOC	Parcel			
Number	Number	Description	Photo Date	Analysis Findings
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
			Building 29: 1935	NSF.
			1948	B29 present. NSF.
			1952	B29 present. NSF.
			1958	A trench or ditch is located northwest of B29.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	A series of three-sided open storage bins with materials are present west of B29. Brown mounded material is located east of the bins.
			1991	NSF.
			1993	No photo coverage.
			1997	The three sided bins remain west of B29; however they appear
				The three sided bills remain west of best, however they appear

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
		= 		empty. Vehicles and equipment are present southwest of B29
			Building T-33 1935	3: NSF.
			1948	BT-33 is present. A stack is at the northwest corner of the building.
			1952	BT-33 present. NSF.
			1958	A stain is present south of BT-33.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	Linear staining is located in the lot east of Building T-33.
			Building 36: 1935	NSF.
			1948	B36 present. A stack is present at the northern end of the building.
			1952	B36 present. A stack is present at the north end of B36.
			1958	NSF.

SWMU/AOC	Parcel			
Number	Number	Description	Photo Date	• •
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
			UST #5: 1935	NSF.
			1948-1998	Underground storage Tank #5 not visible. NSF.
			Structure T-4	49.
			1935	NSF.
			1948	Structure T-49 not yet present. NSF.
			1952	Structure T-49 present. NSF.
			1958	NSF.
			1962	NSF.
			1966	Open storage of materials are present south of structure T-49.
			1973	NSF.
			1978	NSF.
1				

SWMU/AOC	Parcel			
Number	Number	Description	Photo Date	Analysis Findings
			1985	A significant amount of containers or probable drums are present (S T-49 has been removed). The area east and south of the containers is scarred. Open storage of box trailers and tank trailers are present east of the site.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
			Structure T-	50: NSF.
			1948	BT-50 is present. Open storage of materials is located north and south of the building.
			1952	BT-50 present. Open storage of materials is present south of BT-50.
			1958	Open storage remains south of BT-50.
			1962	Open storage of materials is present north and south of the building.
			1966	Open storage of materials is present south of building T-50.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.

SWMU/AOC Number	Parcel Number	Description	Photo Date	e Analysis Findings
Hamber	Number	Description	1997	NSF.
			Structure 57 1935	7: NSF.
			1948	Coal chute present. Probable coal pile located to the north.
			1952	Coal chute present.
			1958	Dark-toned material (probable coal) is present east of S57.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
			Structure 63 1935	3: NSF.
			1948	Rail spur only. No structure present. Open storage of materials noted north and south of S63.
			1952	Rail spur only. No structure present. Open storage of materials noted north and south of S63.
			1958	NSF.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
Number	Number	Description	1962	Objects or debris are present west of Structure 63. Crates are present south of the structure.
			1966	NSF.
			1973	NSF. Structure no longer present.
			1978	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
AOC 41	16	Igloo Block K	1935	NSF.
			1948	NSF.
			1952	An access road leads to a depression where a building was present in 1948 in the northeastern portion of the site. Several other buildings have been razed since 1948 (not annotated). Probable debris is located in a scarred area in the northern
			1958	A depression with probable debris is present.
			1962	An access road leads to a cleared area.
			1966	An access road leads to a cleared area in the northern end of the site.
			1973	Access roads lead to a cleared area with probable debris.
			1978	Disturbed ground is present in the northeastern portion of the site.
			1985	NSF.

SWMU/AOC	Parcel			
Number	Number	Description	Photo Date	<u> </u>
			1991	An area of disturbed ground remains.
			1993	NSF.
			1997	NSF.
AOC 42	6	Building 516 (Ammunition Receiving Building)	1935	NSF.
			1948	B516 present. NSF.
			1952	NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
AOC 43	7	Railroad Classification Yard	1935	A non-operational airstrip and several buildings are present.
			1948	Dark-toned objects are present in the south end of the yard.
			1952	Dark-toned objects (vehicles, equipment, containers) are located at the southern end of the classification yard.
			1958	Dark-toned material and dark-toned objects are present.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
	<u> </u>	·	1962	Dark-toned objects are present in the south end of the yard.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	Dark-toned material is present in the southern end of the site.
			1993	No photo coverage.
			1997	NSF.
AOC 44	10	Former Administration and Utilities Area	1935	Dark-toned material or staining is present along an access road east of the administration buildings.
			1948	Dark-toned material and objects are located at the end of an access road. Linear rows of probable containers are present. An access road leads to a scarred area with dark-toned material. A rectangular area containing a berm and trench is located south the scarred area.
			1952	Probable rubble and debris from demolished buildings is visible on and adjacent to the site.
			1958	NSF. Area is revegetating.
			1962	NSF.
			1966	NSF.
			1973	NSF.

SWMU/AOC	Parcel	5	Dhete Dete	Analysia Findings
Number	Number	Description	Photo Date 1978	Analysis Findings NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
SWMU 45	11	Building 6 (Gas Station)	1935	NSF.
			1948	B6 present. NSF.
			1952	B6 present. NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
AOC 46	11	Above Ground Tank located near Blg. 11	1935	NSF.
			1948-1997	NSF. Above ground tank is not visible.

SWMU/AOC Number	Parcel Number	Deceriation	Photo Date	Analysis Findings
AOC 47		Description TPL spill of photoflash powder west of Blg. 11	1935	NSF.
AOC 41	11	Tr L spill of photoliash powder west of big. Th	1948	NSF.
			1940	NOI .
			1952	NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
AOC 48	11	Building 34 (Fire Station)	1935	NSF.
			1948	B34 present. NSF.
			1952	B34 present. NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1	

SWMU/AOC	Parcel			
Number	Number	Description	Photo Date	
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
AOC 49	11	Structure 38 (End Loading Dock) and Structure 39 (Side Loading Dock)	1935	NSF.
		oo (Oldo Eddding Book)	1948	Loading docks present. NSF.
			1952	Loading docks present. NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
SWMU 50	11	Structure 35 (Underground Storage Tank (UST #7) located by Building 45)	1935	NSF.
		#1) located by building 40)	1948-1997	NSF. Underground storage tank is not visible.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
AOC 51	11	Structure 64 (Underground Storage Tank)	1935	NSF.
			1948-1997	NSF. Underground storage tank is not visible.
AOC 52	11	Building 79 and Building 80 (Storage Vaults)	1935	NSF.
			1948	Two tall structures are present. Open storage of materials is located southeast of the northernmost structure.
			1952	Two tall structures are present.
			1958	B79 and B80 are present. NSF.
			1962	Structures remain. NSF.
			1966	NSF.
			1973	Structures remain. NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
AOC 53	13	Lake Knudson	1935	NSF.
			1948	NSF. Lake not yet constructed.
			1952	A dam is located at the eastern end of the lake. A large graded area is present within the central portion of the site. Access roads and two excavated areas are present north of the site. Disturbed ground and probable debris are located in the northern portion of the site.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
		·	1958	The dam has been expanded since 1952. An access road leads to a long excavated area in the northern portion of the site and north of the site.
			1962	A rectangular excavation is located east of the lake. An excavation is also located to the north.
			1966	NSF.
			1973	Repairs are evident along the east central portion of the dam (not annotated).
			1978	NSF.
			1985	Scarred or disturbed areas are located east of the site.
			1991	NSF.
			1993	Partial photo coverage. NSF.
			1997	NSF.
AOC 54	13	Building 311 (Standard Magazine)	1935	NSF.
			1948	NSF.
			1952	NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.

SWMU/AOC	Parcel	D 1.41	Photo Date	Analysis Findings
Number	Number	Description	Photo Date	Analysis Findings
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
AOC 55	13	Structure 506 (TNT Storage Barricade)	1935	NSF.
			1948	Storage barricade is present. NSF.
			1952	NSF.
			1958	NSF.
			1962	The storage barricade is present.
			1966	Equipment or crates are present within the barricade.
			1973	Structure 506 is present. NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
AOC 56	13	Structure 533 (Explosive Barricade)	1935	NSF.
			1948	NSF.
			1952	Not yet constructed.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
	-		1958	Not yet constructed.
			1962	Not yet constructed.
			1966	The barricade has been constructed since 1962.
			1973	Structure 533 is present. Material (probably earthen) is present with the barricade.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
AOC 57		Buildings 306, 307, 308, 309, 310 (Standard Magazines near Knudson Lake)	1935	NSF.
		wagazines near Knadson Lake)	1948	NSF.
			1952	NSF.
			1958	NSF.
			1962	A ground scar and probable debris are located north of one of the magazines.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
Hamber	Number	Description		, ,
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
AOC 58	19	Buildings 303 and 304 (Standard Magazines) and	1935	NSF.
		320 (Field Dunnage Building along Arterial Road No. 3)	1948	The area west of B320 is disturbed.
			1952	The area west of B320 is disturbed.
			1958	The area west of B320 is disturbed
			1962	The area west of B320 is disturbed.
			1966	The area west of B320 remains disturbed.
			1973	Staining is present south of B304. The area west of B320 remains disturbed.
			1978	Staining is present south of B304.
			1985	Staining remains south of the buildings.
			1991	Staining remains east of the smaller building.
			1993	Staining is visible south of the magazine building.
			1997	NSF.
AOC 59	19	Building T-422 (former Blg. X-11, Normal Maintenance Blg., Bomb and Shell Paint Blg.)	1935	NSF.
		iviaintenance big., bomb and Shell Faint big.)	1948	NSF.
			1952	Several ground scarred areas are visible south of BT-422.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
	<u> </u>		1958	Multi-toned material or debris is present north of the building.
			1962	Multi-toned material or debris is present north of the building.
			1966	Multi-toned material or debris remains north of the building.
			1973	Building no longer present. The multi-toned material or debris remains to the north.
			1978	A probable trench or disturbed ground and a ditch are visible within the site.
			1985	Ground scarring is present on site.
			1991	The probable trench or disturbed ground and ditch remains.
			1993	Partial photo coverage. NSF.
			1997	NSF.
AOC 60	21	Building 522 formerly designated as Building 500 (Ammunition Receiving Bldg.)	1935	NSF.
		(Ammunition Receiving blug.)	1948	B522 (500) present. NSF.
			1952	NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			I	

SWMU/AOC	Parcel			
Number	Number	Description	Photo Date	Analysis Findings
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
AOC 61	6	Building 507 (Smokeless Powder Magazine)	1935	NSF.
			1948	B507 present. NSF.
			1952	B507 present. NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
AOC 62	21	Building 508 (Smokeless Powder Magazine)	1935	NSF.
			1948	B508 present. NSF.
			1952	B508 present. NSF.
			1958	NSF.
1				

SWMU/AOC	Parcel	Donate Co.	Photo Date	Analysis Findings
Number	Number	Description	1962	Analysis Findings NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
AOC 63	21	Building 509 (Primary Collector Barricade or Propellant Baghouse)	1935	NSF.
		Propellant Bagnouse)	1948	B509 present. NSF.
			1952	B509 present. NSF.
			1958	Staining is evident around the north and west sides of the building. A ditch is present southwest of the building.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.

SWMU/AOC	Parcel			
Number	Number	Description	Photo Date	Analysis Findings
	-		1997	NSF.
AOC 64	21	Building 510 (Vacuum Producer Building)	1935	NSF.
			1948	B510 present. NSF.
			1952	B510 present. NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
AOC 65	21	Building 511 (Service Magazine)	1935	NSF.
			1948	B511 present. NSF.
			1952	B511 present. NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
		·	1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
AOC 66	21	Building 512 (Service Magazine)	1935	NSF.
			1948	B512 present. NSF.
			1952	B512 present. NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
AOC 67	21	Building 513 (Service Magazine)	1935	NSF.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
	<u>-</u>	·	1948	B513 present. NSF.
			1952	B513 present. NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
AOC 68	21	Structure 514 (Deboostering Barricade) and	1935	NSF.
ACC 00	21	Structure 545 (Earthen Barricade)		
			1948	S514 present. Earthen barricade not yet constructed.
			1952	Structure and barricade present. NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
Number	Nullibei	Description	Filoto Date	·
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
AOC 69	22	Buildings 301, 302, and 312 (Standard Magazines), Building 316 (Field Lunch Room),	1935	An area of disturbed ground is present south of the magazines.
			1948	NSF.
			1952	Buildings are present. NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	Dark-toned material or staining is present south of B312.
			1978	Dark-toned material or staining is present south of B312.
			1985	Dark-toned material or staining remains south of the buildings.
			1991	Dark-toned material or staining remains south of one of the storage magazines.
			1993	Dark-toned material or staining remains south of the buildings.
			1997	Dark-toned material or staining remains south of the buildings.
SWMU 70	22	Disassembly Plant and TPL QA Test Area (Disassembly Plant includes Building 517,	1935	NSF.
		Structure 518, Building 519, Structure 520,	1948	Buildings and blast walls (barricades) present. Linear scarred

SWMU/AOC	Parcel		Division Design	Augustus 1 Et 11
Number	Number	Description	Photo Date	Analysis Findings areas are visible south of the site.
		Structure 521, Structure 547) Disassembly Plant and TPL QA Test and OB/OD Area		areas are visible south of the site.
			1952	Buildings and probable barricade present. Linear scarred areas are visible south of the site.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	Light-toned material is present west of a blast wall.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
OC 71	21 and 22	Former rectangular structure near TMW-5 and north of Blg. 528	1935	NSF.
		3	1948	A rectangular ground scarred area is present. A ditch and berm are located on the south end of the scarred area.
			1952	A rectangular ground scarred area is present. A ditch and curved berm are located on the southern portion of scarred area.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			Ī	

SWMU/AOC	Parcel		Dist. Dis	Annahari et u
Number	Number	Description	Photo Date 1973	Analysis Findings NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
SWMU 72	21	Deactivation Furnace, Deactivation Furnace Acid	1935	NSF.
		Pits, and surrounding area (includes pre-1958 buildings and areas in the vicinity of Blg. 530)	1948	Furnace not yet constructed. A loop access road (not annotated) and disturbed ground are located south of the site.
			1952	Large building present. Probable coal is present south of buildings.
			1958	Buildings have been removed. Dark-toned objects or containers are present north of the former furnace building and to the south along the rail tracks.
			1962	The deactivation furnance (B530) has been constructed.
			1966	NSF.
			1973	Dark-toned material or staining is present north of the site.
			1978	Dark-toned material or staining is present north of the building.
			1985	Objects are present on a new storage pad that had been constructed since 1978.
			1991	Dark-toned material or staining remains north of the building.

SWMU/AOC	Parcel			
Number	Number	Description	Photo Date	,
			1993	No photo coverage.
			1997	NSF.
AOC 73	23	Former buildings or structures along Road C-3.	1935	NSF.
			1948	Light-toned material and disturbed ground located east of BT-332. An access road leads to a ground scarred area southeast of BT-332.
			1952	NSF.
			1958	NSF.
			1962	A ground scar area and probable debris are present east of the building.
			1966	The buildings seen in 1962 have been removed.
			1973	Building removed. NSF.
			1978	Rubble or debris is visible in the arroyo east of the former building.
			1985	Rubble and debris are visible east of the site.
			1991	More rubble and debris have been deposited into the drainage channel east of the site. This may also be related to activity at SWMU 21 (Central Landfill).
			1993	Rubble and debris are visible east of the site and may be related to SWMU 12 (Central Landfill).
			1997	NSF.
SWMU 74	3	Area 16 or Site 16 (Proposed Burning Ground) – to be addressed under the Kickout Area	1935	NSF.
		requirements unless the location is determined to	1948	NSF.

SWMU/AOC	Parcel			
Number	Number	Description	Photo Date	Analysis Findings
		be outside the Kickout Area boundary as defined Section IV.A	1952	Access roads lead into cleared areas.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	NSF.
			1997	NSF.
AOC 75	11	Part of AOC 75. Structure 81, Primary	1935	NSF.
		Transformer Bank.	1948	NSF.
			1952	Probable transformer bank (not annotated) is present at Structure 81.
			1958	NSF.
			1962	NSF.
			1966	A new linear structure has been constructed since 1962.
			1973	NSF.
			1978	NSF.
			I	

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
Number	Number	Description	1985	Open storage of materials are present adjacent to the site.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
OC 76	2	Feature 19 on the 1973 aerial photo (API-5) in the	1935	NSF.
		1995 Archive Search Report.	1948	A rectangular building is present.
			1952	Rectangular building present - bermed on three sides.
			1958	Open storage of crates or containers are present east of the building.
			1962	NSF.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
OC 77	2	Feature 20 on the 1973 aerial photo (API-5) in the 1995 Archive Search Report.	1935	NSF.
		1995 Alchive Sealch Report.	1948	Two graded areas are present. An access road leads to mounded material at the south end of the site.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
		Doddinprion	1952	Large cleared area. Graded areas are present along access road. Light-toned mounded material is present in the north and central portions of the site.
			1958	Two graded areas are present.
			1962	Graded areas are present in the northern and southern portions of the site.
			1966	Two graded areas remain onsite.
			1973	A graded area remains to the north. A ditch or trench is located in the southern end of the site.
			1978	Two graded areas remain.
			1985	Two graded areas remain.
			1991	Mounded material is present in the north end of the site.
			1993	No photo coverage.
			1997	NSF.
AOC 78	4, 5, and 6	Feature 18 on 1973 aerial photo (API-5) in 1995 Archive Search Report	1935	NSF.
		Alchive Search Report	1948	Two graded areas are present.
			1952	Two graded scarred areas are present.
			1958	Two graded areas are present.
			1962	One graded area remains.
			1966	One of the graded areas remains.
			1973	A pond has been constructed in the northernmost area. Three

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
	-			scarred or graded areas are present to the south.
			1978	The pond and two graded areas remain.
			1985	The pond remains to the north. The graded areas are revegetating.
			1991	The pond remains to the north. A trench or excavation is visible south of the pond. The former graded areas are mostly revegetating.
			1993	No photo coverage.
			1997	The pond remains to the north.
AOC 79	6	Feature 2 on 1973 aerial photo (API-5) in 1995	1935	NSF.
		Archive Search Report	1948	An access road leads to a probable building foundation.
			1952	Access road leads to two probable trenches with dark-toned materials.
			1958	Access roads lead to a scarred and disturbed area.
			1962	Access roads lead to areas of dark-toned material or staining northwest and southwest of the site.
			1966	NSF.
			1973	The perimeter of the site has been cleared/graded. The other areas to the south appear as graded or scarred staging or parking areas.
			1978	An access road leads to a ground scarred area.
			1991	NSF.
			1993	No photo coverage.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
			1997	The central portion of the site is scarred; however, this may be due to erosion.
AOC 80	6	Feature 9 on 1962 aerial photo (API-3) in 1995	1935	NSF.
		Archive Search Report	1948	Disturbed ground, light-toned material and a ground scar are present.
			1952	Disturbed ground, light-toned material and a ground scar are present.
			1958	Disturbed ground, light-toned material and a ground scar are present.
			1962	Disturbed ground and light-toned material are present.
			1966	NSF.
			1973	Disturbed ground and light-toned material are present.
			1978	Disturbed ground and light-toned material remain.
			1985	Disturbed ground and light-toned material remain.
			1991	Disturbed ground and light-toned material remain.
			1993	No photo coverage.
			1997	NSF.
AOC 81	6	Feature 11 on 1962 aerial photo (API-3) in 1995	1935	NSF.
		Archive Search Report	1948	A rectangular building is present. NSF.
			1952	Rectangular scar/building foundation. NSF.
			1958	NSF.

1962 Dark-toned material or staining is present west and south of the site. 1966 NSF. 1973 NSF. 1978 NSF. 1985 NSF. 1991 NSF. 1993 No photo coverage. 1997 NSF.	SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
1973 NSF. 1978 NSF. 1985 NSF. 1991 NSF. 1993 No photo coverage. 1997 NSF. AOC 82 4. 5, and 6 Feature 18 on 1973 aerial photo (API-5) in 1995 Archive Search Report 1935 See AOC 78. 1948 See AOC 78. 1952 See AOC 78. 1958 See AOC 78. 1966 See AOC 78. 1966 See AOC 78. 1973 See AOC 78. 1973 See AOC 78. 1973 See AOC 78. 1974 See AOC 78. 1975 See AOC 78. 1976 See AOC 78. 1977 See AOC 78. 1978 See AOC 78.					Dark-toned material or staining is present west and south of
1978 NSF. 1985 NSF. 1991 NSF. 1993 No photo coverage. 1997 NSF. 1997 NSF. 1998 See AOC 78.				1966	NSF.
1985 NSF. 1991 NSF. 1993 No photo coverage. 1997 NSF. AOC 82 4, 5, and 6 Feature 18 on 1973 aerial photo (API-5) in 1995 Archive Search Report 1935 See AOC 78. 1948 See AOC 78. 1952 See AOC 78. 1958 See AOC 78. 1966 See AOC 78. 1966 See AOC 78. 1973 See AOC 78. 1973 See AOC 78. 1978 See AOC 78. 1978 See AOC 78. 1978 See AOC 78.				1973	NSF.
1991 NSF. 1993 No photo coverage. 1997 NSF. AOC 82 4, 5, and 6 Feature 18 on 1973 aerial photo (API-5) in 1995 Archive Search Report 1935 See AOC 78. 1948 See AOC 78. 1958 See AOC 78. 1958 See AOC 78. 1966 See AOC 78. 1966 See AOC 78. 1973 See AOC 78. 1973 See AOC 78. 1978 See AOC 78. 1978 See AOC 78. 1978 See AOC 78.				1978	NSF.
1993 No photo coverage. 1997 NSF. AOC 82 4, 5, and 6 Feature 18 on 1973 aerial photo (API-5) in 1995 Archive Search Report 1935 See AOC 78. 1948 See AOC 78. 1952 See AOC 78. 1958 See AOC 78. 1962 See AOC 78. 1966 See AOC 78. 1966 See AOC 78. 1973 See AOC 78. 1973 See AOC 78. 1973 See AOC 78. 1978 See AOC 78. 1978 See AOC 78.				1985	NSF.
1997 NSF. 4, 5, and 6 Feature 18 on 1973 aerial photo (API-5) in 1995 Archive Search Report 1935 See AOC 78. 1948 See AOC 78. 1952 See AOC 78. 1958 See AOC 78. 1962 See AOC 78. 1966 See AOC 78. 1973 See AOC 78. 1973 See AOC 78. 1974 See AOC 78. 1975 See AOC 78. 1976 See AOC 78. 1977 See AOC 78. 1978 See AOC 78. 1978 See AOC 78. 1978 See AOC 78. 1978 See AOC 78.				1991	NSF.
4, 5, and 6 Feature 18 on 1973 aerial photo (API-5) in 1995				1993	No photo coverage.
Archive Search Report 1948 See AOC 78. 1952 See AOC 78. 1958 See AOC 78. 1962 See AOC 78. 1966 See AOC 78. 1973 See AOC 78. 1978 See AOC 78. 1978 See AOC 78. 1978 See AOC 78.				1997	NSF.
1948 See AOC 78. 1952 See AOC 78. 1958 See AOC 78. 1962 See AOC 78. 1966 See AOC 78. 1973 See AOC 78. 1973 See AOC 78. 1978 See AOC 78. 1978 See AOC 78.	AOC 82	4, 5, and 6	Feature 18 on 1973 aerial photo (API-5) in 1995	1935	See AOC 78.
 1958 See AOC 78. 1962 See AOC 78. 1966 See AOC 78. 1973 See AOC 78. 1978 See AOC 78. 1985 See AOC 78. 			Archive Search Report	1948	See AOC 78.
 1962 See AOC 78. 1966 See AOC 78. 1973 See AOC 78. 1978 See AOC 78. 1985 See AOC 78. 				1952	See AOC 78.
 1966 See AOC 78. 1973 See AOC 78. 1978 See AOC 78. 1985 See AOC 78. 				1958	See AOC 78.
 1973 See AOC 78. 1978 See AOC 78. 1985 See AOC 78. 				1962	See AOC 78.
1978 See AOC 78. 1985 See AOC 78.				1966	See AOC 78.
1985 See AOC 78.				1973	See AOC 78.
				1978	See AOC 78.
1991 See AOC 78.				1985	See AOC 78.
				1991	See AOC 78.

SWMU/AOC	Parcel		Di ete Dete	Analogia Eta Itana
Number	Number	Description	Photo Date	, ,
			1993	No photo coverage.
			1997	See AOC 78.
AOC 83	6	Feature 22 on 1973 aerial photo (API-5) in 1995 Archive Search Report	1935	NSF.
		·	1948	A building is present. NSF.
			1952	A building is present. NSF.
			1958	A building is present. NSF.
			1962	A building is present. NSF.
			1966	The building seen in 1962 has been removed.
			1973	Stacked material is present onsite. Disturbed ground and erosional features are present to the east.
			1978	A graded area is present with probable stacked material.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
AOC 84	6	Feature 12 on 1962 aerial photo (API-3) in 1995 Archive Search Report	1935	NSF.
		Nonvo Couron Report	1948	NSF.
			1952	NSF.
			1958	NSF.
Assist Disease			1962	Disturbed ground and dark-toned material are present.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
AOC 85	7 and 9	Feature 11-1 on 1962 aerial photo (API-3) in 1995 Archive Search Report and Feature 1 on 1973	Feature 11-1 1935	NSF.
		aerial photo (API-5) in 1995 Archive Search Report.	1948	A rectangular scarred area is present. This is likely a parking or staging area.
			1952	A graded area remains.
			1958	A graded area remains.
			1962	A graded area remains.
			1966	No aerial photo coverage available.
			1973	An oval-shaped cleared area surrounds the graded area.
			1978	The cleared area seen in 1973 is revegetating. A ground scarred area is present to the west due to construction activity (dredging) along the drainage channel adjacent to the site.
			1985	NSF.

SWMU/AOC	Parcel			
Number	Number	Description	Photo Date	Analysis Findings
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
			Feature 1 (A 1935	API-5) South Area NSF.
			1948	NSF.
			1952	NSF.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	An oval-shaped cleared area is present.
			1978	The cleared area seen in 1973 is revegetating. A ground scarred area with probable equipment is seen on site and is due to dredging activities along the drainage channel.
			1985	The site area is eroded likely due to recent heavy precipitation and from a breach in the drainage berm adjacent to the site.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
			Feature 1 (A 1935	API 5) North Area NSF.

SWMU/AOC	Parcel			
Number	Number	Description	Photo Date	Analysis Findings
			1948	NSF.
			1952	NSF.
			1958	NSF.
			1962	NSF.
			1966	No aerial photo coverage available.
			1973	NSF.
			1978	The cleared area seen in 1973 is revegetating. A ground scarred area with probable equipment is seen on site and is due to dredging activities along the drainage channel.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
AOC 86	21	Feature 15 on 1973 aerial photo (API-5) in 1995 Archive Search Report.	1935	NSF.
	<u> </u>	Atomive dearen report.	1948	A stacked material or a low rectangular structure is present.
			1952	A graded area is present.
			1958	NSF.
			1962	NSF.
			1966	NSF.
			1973	The perimeter of the site has been cleared.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
AOC 87	21	Feature 18 on 1962 aerial photo (API-3) and	Feature 23 (,
		Feature 23 on 1973 aerial photo (API-5) in 1995 Archive Search Report.	1935	NSF.
		Archive Search Report.	1948	Numerous ground scars and light-toned materials are present (also north of B522). An access road leads to dark-toned material in the south end of the site.
			1952	Numerous ground scars and light-toned material remain. The scarred area was also present if 1935 and may be a natural feature. An access road leads to dark-toned material in southwest corner.
			1958	
				Dark-toned material remains in the southern portion of the site.
			1962	The ground scars remain.
			1966	The ground scars remain.
			1973	The ground scars remain.
			1978	The ground scars remain.
			1985	Ground scars remain.
			1991	Ground scarred areas remain.

SWMU/AOC	Parcel		Division in	Analysis = "
Number	Number	Description	Photo Date	, ,
			1993	No photo coverage.
			1997	Ground scars remain.
			Feature 18 ((API-3)
			1935	NSF.
			1948	A rectangular scarred area is present. Access roads leads to dark area in the northeast portion of the site.
			1952	Rectangular scarred area. Dark-toned area at northeast corner.
			1958	NSF. The area appears inactive.
			1962	An access road leads to a depression with probable debris.
			1966	NSF.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
AOC 88	22	Former buildings or structures and disposal areas	1935	NSF.
		southwest, south, and southeast of Blg. 528.	1948	A low building or building foundation is present. Access roads lead to two ground scarred areas. A loop access road with a small scarred area is present to the east.
			1952	Rectangular scarred area with disturbed ground at southwest

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
Humber	Number	Description	T Hoto Bute	corner. Probable disposal area.
			1958	The northern area remains scarred and disturbed.
			1962	NSF.
			1966	An access road leads to an area of light-toned material and disturbed ground
			1973	A scarred and disturbed area remains to the east.
			1978	Disturbed ground and probable debris are present.
			1985	Disturbed ground and probable debris remains.
			1991	An area of disturbed ground and light-toned material is present to the east.
			1993	No photo coverage.
			1997	NSF.
AOC 89	3	Feature 30 and Feature 34 on 1973 aerial photo (API-5) in 1995 Archive Search Report	1935	NSF.
		(AFT-5) III 1995 Alcilive Sealch Nepolt	1948	Three revetments with open storage. An access road leads to a cleared area to the north. A cleared area with erosional ditches is located to the south.
			1952	Three revetments and a cleared area. Two ditches are present. An access road leads to a cleared area to the north.
			1958	Each of the revetments has crates. A significant number of crates are present in the northern revetment.
			1962	The revetments contain crates.
			1966	The revetments contain crates or objects. Crates or materials

SWMU/AOC	Parcel			
Number	Number	Description	Photo Date	, ,
				are also visible east of the access road. A graded area and a ground scar are present west of the area.
			1973	The revetment remains. No other significant features are present.
			1978	The revetments remain. Two of the revetments have objects.
			1985	The revetments remain. The southwest revetment contains objects inside and outside of the revetment.
			1991	The revetments remain.
			1993	No photo coverage.
			1997	Revetments remain (no storage visible).
AOC 90	3	Feature 36 on 1973 aerial photo (API-5) in 1995 Archive Search Report	1935	NSF.
			1948	No coverage.
			1952	A dam and shallow pond present to the east. Western pond has not yet been constructed.
			1958	The eastern dam and pond remain.
			1962	NSF.
			1966	NSF.
			1973	Two impounded ponds are present.
			1978	Two ponds are present.
			1985	One of the ponds contains liquid, the other is empty.
			1991	NSF.

SWMU/AOC Number	Parcel Number	Benediction	Photo Date	Analysis Findings
Number	Number	Description		, , , , , , , , , , , , , , , , , , , ,
			1993	No photo coverage.
			1997	The ponds remain, but appear empty.
AOC 91	3	Feature 41 in the 1973 aerial photo (API-5) and	1935	NSF.
		Feature 27 on the 1978 historic aerial photo (API-		
		7) in the 1995 Archive Search Report.	1948	NSF. Area wooded.
			1952	NSF. Area wooded.
			1958	New access roads lead into the area.
			1962	NSF.
			1966	NSF.
			1973	Access roads lead into wooded area. Probable debris or objects are present on east side of access road.
			1978	The area is scarred. An excavated area is also visible.
			1985	Access to the area appears active. Several scarred areas are present near the access road. A cleared area is present northwest of the site.
			1991	Probable pits are present within the ground scarred area.
			1993	No photo coverage.
			1997	Access roads remain within the site area; however, no other significant features are present.
AOC 92	3	Feature 31 on the 1973 historic aerial photo (API-	1935	NSF.
		5) and Feature 21 on the 1978 aerial photo (API-	46.55	
		7) in 1995 Archive Search Report	1948	Disturbed area with craters and a large excavated area.
			1952	Disturbed ground with craters.

SWMU/AOC	Parcel			
Number	Number	Description	Photo Date	Analysis Findings
	-		1958	Excavations and/or craters are present throughout the site.
			1962	Dark-toned material or debris is present in an excavation in the northern portion of the site. Craters and excavations are present.
			1966	Crates and debris are visible onsite.
			1973	Disturbed ground, craters and probable debris are present onsite.
			1978	Craters and disturbed ground are present.
			1985	An excavated area with probable debris is in the northern portion of the site; however, the area appears inactive. Severa other large excavated areas are present.
			1991	An excavated area with debris is visible in the northern portion of the site.
			1993	No photo coverage.
			1997	NSF.
AOC 93	14, 15	Bivouac and Tank Training Area	1935	Two silos and a tall structure are present in the northeastern portion of the site. A drainage channel flows under the railroad track to a large area of light-toned material and/or liquid. These features are likely related to agriculture. A trench is present in the eastern portion of the site and may be related to mineral exploration or troop training.
			1948	An access road leads to a scarred area with three trenches. Several other trenches are present within AOC 93. An excavated pit is located in the eastern portion of the site. Light and dark-toned material and a tall structure are present near the railroad in the northeastern corner of the site.
			1952	

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
		Description		An access road leads to an area of rubble and debris in the far western portion of the site. Trenches remain. An access road leads to a large excavated pit in the southeast portion of the site. Light and dark-toned material and a tall structure are present near the railroad in the northeastern corner of the site.
			1958	Rubble and debris remain in the western end of the site. Trenches and excavations are present. Light-toned material and two open silos are present in the northeast portion of the site. The pit remains in the southeastern portion of the site.
			1962	Rubble and debris remain in the western portion of the site. Trenches remain in the western portion of the site (not annotated). Light-toned material and silos remain in the northeastern portion of the site.
			1966	Trenches and rubble/debris remain in the western portion of the site. A large disturbed area and light-toned material are present in the northcentral portion of the site. Light-toned material remains in the northeastern portion of the site.
			1973	Rubble and debris and an excavation are present in the western portion of the site. Trenches remain in the western portion of the site. A ground scarred area and light-toned material are present in the north central portion of the site. Light-toned material remains in the northeastern portion of the site.
			1978	An excavation and rubble or debris are present in the western portion of the site. A trench is present in the eastern portion of the site. A vertical tank, probable coal, mounded material and light-toned material are present in the northeastern portion of the site.
			1985	The area of rubble in the western portion of the site contains vegetation. An excavation remains to the northwest. A vertica tank and staining (coal residue) are present in the northeast portion of the site.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
Number	Number	Description	1 Hoto Date	Analysis i manigs
			1991	An excavation and rubble or debris are present in the western portion of the site. The light-toned material remains in the northcentral portion of the site; however, the majority of the area has revegetated.
			1993	Partial photo coverage. NSF.
			1997	A vertical tank remains in the northeastern portion of the site. A linear cleared area is present on the eastern border of the site. An excavation is present south of the site and north of Lake Knudson.
HWMU:	3	Hazardous Waste Management Unit	1935	NSF.
			1948	Two craters and a probable fill area are present. Drainage leads into the nearby arroyo.
			1952	Probable fill areas and two pits are present.
			1958	Three linear rows of objects and probable staining are present along burning lanes. An excavated area is present to the south. Open storage of crates or containers are present north of the site.
			1962	The excavated area remains. A linear stained/burned area is visible south of the excavation. Circular excavations or craters and probable debris are visible farther south.
			1966	The large excavation contains a significant amount of debris. Staining is present north and south of the excavation. Excavations or craters and a trench are present in the southern portion of the site. A probable fill area is present just outside the southeastern portion of the site.
			1973	Two graded areas and a large excavation are present.
			1978	

SWMU/AOC	Parcel			
Number	Number	Description	Photo Date	Analysis Findings
				The large excavation contains debris. Two large graded areas with equipment or probable containers are present south of the excavation. A trench or ditch is also present. A bermed area is present along an access road in the south end of the site.
			1985	The excavation with debris remains. A pit is visible southwest of the excavation. Two large trenches with debris are present in the southern end of the site. The bermed area remains farther south.
			1991	A graded area with objects or equipment is present to the north. A graded area with four large revetments is present to the south. Five revetments (not annotated) are also present on the east side of the access road between AOC 92 and the HWMU.
			1993	No photo coverage.
			1997	Revetments or large pits are present along the north-south access roads.
PI-1	10A		1935	NSF.
			1948	Site not yet present. A trench is located west of PI-1.
			1952	A trench is located north of Igloo Block A. An access road leads from Igloo Block A to the trench. The trench located west of PI-1 remains.
			1958	Access to the site remains. Dark-toned material or staining is present. The trench is no longer visible and the area is scarred. The trench located to the west remains.
			1962	Site inactive. The trench located west of PI-1 remains.
			1966	No longer visible.
			1973	Site inactive. NSF.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
			1978	NSF.
			1985	NSF.
			1991	Site no longer present.
			1993	No photo coverage.
			1997	NSF.
PI-2	7		1935	Disturbed ground is present west of an oval-shaped access road that surrounds a storage building. An excavation or area of disturbed ground is present east of PI-2.
			1948	Dark-toned material or staining is present.
			1952	An access road leads to an area of dark-toned material or staining.
			1958	Dark-toned material and vegetation are present.
			1962	Dark-toned material remains.
			1966	Dark-toned material remains.
			1973	NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.

SWMU/AOC	Parcel			
Number	Number	Description	Photo Date	Analysis Findings
PI-3	19		1935	NSF.
			1948	An access road leads to an excavation with dark-toned material or objects. A berm (not annotated) is present on the east side of the site.
			1952	An access road leads to an excavation with dark-toned material or objects. A berm (not annotated) is present on the east side of the site.
			1958	The excavation remains and appears to be revegetating.
			1962	The excavation remains and is revegetating.
			1966	The excavation is revegetating.
			1973	The excavation remains. Possible debris or objects are visible with the excavation.
			1978	The excavation remains and is revegetating.
			1985	NSF. The excavation has revegetated.
			1991	The excavation remains and is inactive.
			1993	Inactive/revegetated.
			1997	NSF.
PI-4	19		1935	NSF.
			1948	Open storage area.
			1952	Open storage.
			1958	The open storage area remains.
			1962	The open storage area remains.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
		Безеприон		, ,
			1966	The open storage area is inactive. A graded area with multi- toned material is visible west of the site.
			1973	Open storage area inactive. NSF.
			1978	The open storage area remains.
			1985	NSF. Area inactive.
			1991	No longer present, revegetated.
			1993	Inactive/revegetated.
			1997	NSF.
PI-5	6		1935	NSF.
			1948	A trench or old building foundation is present.
			1952	A trench or old building foundation is present. Open storage of materials is present to the south.
			1958	The trench or foundation remains.
			1962	A trench or foundation remains.
			1966	Not covered on available aerial photography.
			1973	A trench or foundation remains.
			1978	The trench or foundation remains.
			1985	NSF.
			1991	The trench or foundation remains.
			1993	No photo coverage.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
		·	1997	NSF.
PI-6	23		1935	NSF.
			1948	Access roads lead to a ground scar and probable debris, likely former building location.
			1952	Access roads lead to a ground scar and probable debris.
			1958	The ground scar and debris remain; however, the area appears inactive.
			1962	The ground scar and debris remain; however, the area appears inactive.
			1966	The ground scar and debris remain; however, the area appears inactive.
			1973	Site inactive. NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
PI-7	7		1935	NSF.
			1948	Site not yet active.
			1952	Site not yet active.
			1958	An excavation with dark-toned material or staining is present.

SWMU/AOC Number	Parcel Number	Description	Photo Date	Analysis Findings
Number	Number	Description	Photo Date	Analysis Findings
			1962	The excavation with dark-toned material or staining remains.
			1966	The excavation with dark-toned material or staining remains.
			1973	Site inactive. NSF.
			1978	NSF.
			1985	NSF.
			1991	NSF.
			1993	No photo coverage.
			1997	NSF.
PI-8	8		1935	NSF.
			1948	Site not yet active.
			1952	Site not yet active.
			1958	An access road leads to a bermed area.
			1962	The bermed area remains.
			1966	The bermed area remains.
			1973	The bermed area remains.
			1978	The bermed area is inactive.
			1985	NSF.
			1991	Site no longer present.
			1993	No photo coverage.

SWMU/AOC	Parcel			
Number	Number	Description	Photo Date	Analysis Findings
			1997	NSF.
PI-9	10B		1935	NSF.
			1948	Site not yet active.
			1952	Site not yet active.
			1958	Site not yet active.
			1962	A bermed pit with liquid is present.
			1966	The bermed pit with liquid remains.
			1973	A bermed pit is present.
			1978	The bermed pit remains.
			1985	The bermed pit or pond remains.
			1991	The bermed pit remains.
			1993	No photo coverage.
			1997	The bermed pit or pond remains.
PI-10	19		1935	NSF.
			1948 - 1993	Multi-toned mounded material is located west of AOC 34 (Igloo Block G).
			1978	NSF.
			1985	The multi-toned mounded material remains.
			1991	Multi-toned mounded material remains.

SWMU/AOC	Parcel			
Number	Number	Description	Photo Date	Analysis Findings
			1993	Multi-toned mounded material remains.
			1997	The multi-toned mounded material remains.
PI-11	10B		1935	NSF.
			1948 - 1958	Site not yet present.
			1962	An impoundment with liquid is present.
			1966 - 1993	Site inactive. NSF.
			1978	NSF.
			1985	NSF.
			1991	Site no longer present.
			1993	No photo coverage.
			1997	NSF.