



THE MEMPHIS DEPOT TENNESSEE

ADMINISTRATIVE RECORD COVER SHEET

AR File Number 464

DUNN FIELD

HISTORICAL ENVIRONMENTAL AERIAL PHOTOGRAPHIC ANALYSIS

MEMPHIS, TENNESSEE



U.S. Army Topographic Engineering Center
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SEPTEMBER 1998 REPORT
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Prepared for the U.S. Army Engineering and Support Center
Huntsville, Alabama



NOTICE

The views, opinions, and conclusions contained in this report are those of the author and should not be construed as official Department Of Army positions or policy unless so designated by other documentation.

Defense Depot Memphis, Tennessee (DDMT) Dunn Field Area¹ Shelby County, Tennessee Historical Environmental Aerial Photographic Analysis

INTRODUCTION

This report presents the results of an environmental historical photographic analysis of the United States Defense Depot Memphis, Tennessee (DDMT), located in Shelby County, Tennessee. This study was compiled for the U.S. Army Corps of Engineers, Huntsville Division office by the U.S. Army Topographic Engineering Center's (USATEC's) Operations Division (CETEC-OD) located in Alexandria, Virginia.

The Terrain Analysis Branch of the Operations Division was tasked to search for and collect historical photographic records and ancillary data relative to DDMT property. Locating former chemical burial sites at Dunn Field through photo interpretation of historical images was declared to be of particular interest by the Engineering and Support Center, Huntsville.

Two historical photographic studies have been produced by USATEC in September of 1998:

- (A) the Main Depot Area of DDMT, and
- (B) the Dunn Field Area of DDMT.

This report presents the results of an environmental historical photographic analysis of the DUNN FIELD AREA (see Figures 1 through 15). The analysis is primarily based upon interpretation of black and white aerial photography over the project area spanning 1945 to 1990. Stereo viewing was employed where overlapping photographs permitted its use. A list of aerial and ground photography collected by USATEC, or acquired by loan², appears in Table 1.

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Stereo-paired photography was available for 1945, 1946, 1953, 1963, and 1990. Oblique aerial photography was available for: 1951 (March, May, and October), 1952 (February and June), 1955, 1957, and 1958. Photo maps (non-stereo) were available for 1949, 1950, and 1959. A rare aerial photo which bares no date (estimated to be 1947 or 1948) was located in the archival records of DDMT. Although this 1940s – era aerial photograph only covers about 33% of Dunn Field, the southwest quadrant is shown. Disposal operations involving burials of CC-2 and decontaminated mustard are suspected to have occurred during this time frame in the southwest quadrant.^{3, 4} Supplemental collateral materials such as textual information, diagrams, maps, and still photos were obtained from various repositories.

The Dunn Field area of the Defense Depot Memphis, Tennessee (DDMT) is comprised of about 60 acres of land. This area, north of Dunn Avenue, has primarily been used as an open storage site for bauxite and fluorspar, and for several decades has been used as a burial location for various types of waste disposal operations.

Specific mission responsibilities as a principal distribution depot include receiving, inspecting, and storing: industrial, construction, medical, food, clothing, petroleum, and other supplies. In the 1940s, the Chemical Warfare Service employed personnel at DDMT. Several types of chemicals and agents were handled at this time. To meet its mission, DDMT “handled numerous operations dealing with hazardous substances”⁵

Photographic analysis was performed over the Dunn Field Area of DDMT where photo coverage was available. The boundary of the installation is that which is depicted on United States Geological Survey (USGS) maps and does not necessarily denote legal property lines or ownership.

SITE DESCRIPTION

Dunn Field is located adjacent to the main depot area north of Dunn Avenue. This area is bound by Hays Road to the east and the Illinois Central Gulf Railroad to the north. No road parallels the entire western boundary line. Private property lies immediately to the west.

Within the time period of this study (1945 – 1990), only the northeast quadrant of Dunn Field has held tree cover. An abandoned pistol range is also located in the northeast section where the terrain is slightly elevated. About half the land area is covered in grass. The rest of Dunn Field is mostly graded, paved, or covered by piles of bauxite and fluorspar.

METHODOLOGY

Photographic analysis (PA) of historical photography was the primary method of locating man-made ground disturbances (cleared areas, ground scars, debris piles, etc.) on DDMT property. Both monoscopic and stereoscopic viewing was performed on the USATEC collection of DDMT historical photos. In some cases, references derived from various base plans, studies, or textual data matched closely with a feature observed on the photography (e.g. a bauxite pile depicted on a map).

Rectified image files and vector coverage files were generated for this project using Erdas Imagine, Version 3.0. These files, in .JIF and Arc Interchange format (.e00), have been placed on CD-ROM for quick and easy access. A “world file” or .tfw file is associated with each .tif file. The .tfw file contains the coordinate information of the upper left pixel (x,y) and the pixel size in feet. ARC/INFO or ArcView can recognize this file format.

The rectified image files and corresponding vector coverages are georeferenced to Tennessee State Plane, Zone 5301, NAD83 (datum), and GRS 1980 (spheroid).

SUMMARY OF FINDINGS

Significant features, derived through photo analysis, are displayed on selected photos of the Dunn Field Area (Figures 1 through 15). The images displayed in this report were compiled in PowerPoint 97 using the raw (unrectified) aerial photographs. The CD-ROM, included in this project, contains image and vector files displaying the same significant findings in their true georeferenced locations.



SIGNIFICANT FINDINGS

- NORTHWEST QUADRANT – NUMEROUS OBJECTS IN “TRIANGLE” : A large triangular-shaped section in the northwest quadrant depicts an area that is comprised of recently disturbed ground (see Figure 10). Numerous objects (although individually not identifiable) are visible on the 1957 aerial photography. There appears to be one small structure along the southern side of the triangle. Ground disturbances observable on the photography match with locations of multiple (1955) burials of waste materials.⁶

A much larger section of land which shares a boundary with the southern limit of the “triangle” is observed to be slightly elevated. Interpreted from a single photograph, this light-toned area appears only as a cleared area. Viewed with stereo photographic pairs, however, its raised appearance implies that material was brought in and then leveled off. This difference in elevation between the “triangle” and the larger section immediately to the south helps to illustrate that ground disturbances do not extend visibly beyond the limits of the “triangle”. (Analysis source: 1957 aerial photography).

- NORTHWEST QUADRANT – LIGHT-TONED MATERIAL : A well defined area, displayed on the 1973 aerial photography with an observable light-tone quality, matches with the location of multiple (1968 & 1969) burials of chemical and medical waste.⁶ The location of this site is in the northwest quadrant near Kyle Street (see Figure 14). (Analysis source: 1973 aerial photography).

- SOUTHWEST QUADRANT – SUSPECTED BURIAL LOCATIONS OF CC-2 IMPREGNITE AND MUSTARD: A rare undated aerial photograph, located at DDMT, depicts two areas of disturbed ground, an unidentified rectangular feature, and a cleared area in the southwest quadrant (see Figure 3). The locations of these features on the aerial photograph may match to burials operations which occurred at Dunn Field in July of 1946 (mustard) and February 1947 (CC-2 impregnite). (Analysis source: undated aerial photography (probably 1947 or 1948).

- INCINERATOR: An area located south of the old Pistol Range in the northeast quadrant is observed on the 1957 aerial photography as an “activity area” with piles of dark material, equipment, and an open yard (see Figure 10). On the 1958 aerial photography there is a site in close proximity to the 1957 “activity area” which is best described as disturbed ground (see Figure 11). Both of these sites fit the general location of an incinerator shown on a Dunn Field layout plan.⁷ (Analysis source: 1957 and 1958 aerial photography).

¹ Refer to the USA TEC Main Depot Historical Environmental Aerial Photographic Analysis report for analysis of the Main Depot area of DDMT.
² The St. Louis Corps District Office provided USA TEC with historical aerial photographic prints, maps, plans, and textual records pertinent to DDMT including the Dunn Field area.
³ Archives Search Report – Conclusions & Recommendations, Memphis Defense Depot, Memphis, TN, prepared by the U.S. Army Corps Of Engineers, January 1995.
⁴ Memphis Army Service Forces Depot, Tenn., “Area North Of Dunn Ave.” (base plan), Office Of Post Engineer, Drawing No. 16-4, 12-7-45 with undated revisions, [source depicts a half-erased sketch of a trench with the following annotation: “MUSTARD TRENCH 100 FT LONG BY 10 FT DEEP”].
⁵ Memphis Defense Depot, Tennessee - Site Description, Threats and Contaminants, Cleanup Approach, and Environmental Progress (Internet Download), EPA Region 4, no date.
⁶ Engineering Drawing No. 16-4D, Memphis General Depot, Location Of Materials Buried In Dunn Field, Office of Post Engineer, 19 January 1956 with multiple revisions to 17 September 1984.
⁷ Memphis Army Service Forces Depot, Tenn., “Area North Of Dunn Ave.” (base plan), Office Of Post Engineer, Drawing No. 16-4, 12-7-45 with undated revisions.

TABLE 1

AERIAL & GROUND PHOTOGRAPHY COLLECTION¹
DEFENSE DEPOT MEMPHIS, TN

Note: A single asterisk (*) in the **Size/Usage** column signifies that this photo coverage was used in the photo analysis of the **Main Depot**.

A double asterisk (**) in the **Size/Usage** column signifies that this photo coverage was used in the photo analysis of the **Dunn Field** area.

Date/ NARA Record Group	NARA Can No.	Mission/ Sortie	Size/ Usage	Photo Listing / Comments
10 August 1937, 145	2024	ADI, Shelby County, TN	9"x9"	ADI-14-908, 909, & 910. Pre-development coverage.
24 April 1942	-	-	9"x7" *	Collected at a NARA facility by the St. Louis District Corps office. Material in photocopy form only. Ground photos are panoramic - taken from a tower located on the north side of the main depot property looking SE, S, and SW.

¹ Unless otherwise noted, table entries represent *aerial* photographic source material.

1944	-	-	9"x7" *	Collected at a NARA facility by the St. Louis District Corps office. Material in photocopy form only. Ground photos taken inside of CWS warehouse and others taken outside of warehouses on the main depot property.
April 1945, 342-FH	Video Disc Ref: 3B-47679 & 3B-47680; Box 2110	-	9"x9"	U.S. Air Force photos located in the Smithsonian Air & Space Museum Collection (5th Floor - Still Photos, NARA, College Park, MD). Photos are low level oblique.
26 August 1945, 373	ON 001002	16 PL-5M " M2"	9"x9" * **	VV 177, 178, 179, 200, 201, & 202. Full coverage in stereo. Photography is vertical. Scale = 1:22,000. Diapositives and contact prints.
7 February 1946, 373	ON 001538	16 PRSQ-6, "M199"	9"x9" * **	VV166, 167, 184, & 185. Full coverage in stereo. Photography is vertical. Scale = 1:20,000. Diapositives and contact prints.
1947 or 1948 (probable)	N/A	-	14 ½ " x 20 " **	Single print reproduced one to one. Coverage of the main depot is about 80% while coverage of Dunn Field is only about 20% (southern portion). Collected from DDMT's own archival holdings. Reproduced in print and diapositive form.

1949	N/A	-	approx. 9"x9" * **	Photo Maps 7-13 and 8-14. Original scale: 1 inch =500 ft. (1:6,000). Material was reproduced and rescaled to 8 ½ x 8 ½ inch prints and diapositives. Reproduced in both print and diapositive form.
1950	N/A	-	10"x12" * **	Photo Maps 10-3, 10-4, 11-2, & 11-3. Original scale: 1 inch = 200 ft. (1:2,400). Material was reproduced and rescaled to 10x12 inch prints and diapositives.
31 March 1951, 373	ON 003165	28 RTS "28 SRW"	9"x18"	RSV 59, 60, & 61. Oblique photography. Coverage of the main depot is almost complete. Only about 5% of Dunn Field is photographed.
24 May 1951, 373	ON 004347	91 RTS "323 SRS"	9"x18"	RSV 26, 27, & 28. Oblique photography. Coverage of the main depot is complete. Only about 60% of Dunn Field is photographed.
3 October 1951, 373	ON 004576	68 RTS "323 SRS"	9"x18" * **	ALSV 19 & 20. Oblique photography. Scale = 1:16,000. Coverage of the main depot and Dunn Field is complete.
9 February 1952, 373	ON 004747	5 SRW	9"x18" **	LHM 49, 50, & 51. Oblique photography. Coverage of the main depot and Dunn Field is complete.

15 June 1952, 373	ON 003231	TRS 765 "R765"	9"x9" **	VV 1, 2, 5, 6, & 7. Oblique photography shot at two different scales. Coverage is complete for both the main depot and Dunn Field (VV1 & VV2). Scale = 1:28,000. The larger scale photos (VV5, 6 & 7) cover about 40% of the main depot (eastern section), but no coverage exists for Dunn Field.
11 October 1953, 114	ON 42404	ADI, Shelby County, TN	9"x9" * **	ADI-2M 195, 196, & 197. Full coverage in stereo. Photography is vertical. Scale = 1:20,000. Diapositives and contact prints.
17 November 1955, 373	ON 006915	43 TRS "43"	9"x18"	LSV 24, 25, & 26. Oblique photography. Coverage of the main depot is about 90%. Coverage of Dunn Field is extremely low (about 5%).
8 July 1957, 373	ON 006371	26 SRW "801 RTS"	9"x18" **	LCM 49 & 50. Oblique photography. Small patches of clouds over Dunn Field and the southern 1/4 of the main depot area.
8 April 1958, 373	ON 005868	155 TRS "521 57-16 G5071"	9"x9" **	Photos 60, 61, 72, 73, & 74. Scale = 1:10,000. Photo 72 collected by St. Louis District Corps office. Oblique photography, but flown "near vertical". Excellent resolution.

23 January 1959	N/A	-	9 ½" x 10 ½" **	Photo Maps 1078, 1080, 1146, & 1148. Original scale: 1 inch = 100 ft. (1:1,200). Material was reproduced and rescaled to 9 ½" x 10 ½" prints and diapositives.
8 March 1963	N/A	GS-VARE	9"x9" * **	Photos 1-103 & 1-104. Full coverage in stereo. Photography is vertical. Scale = 1:20,000.
8 March 1973	N/A	GS-VDFI	9"x9" * **	Photos 1-135, 1-136, & 1-137. Full coverage in stereo. Photography is vertical. Scale = 1:20,000.
1990	N/A	GS-VFMT	9"x9" * **	Photos 1-62, 1-63, 1-88, & 1-89. Mission flown 12 February 1990.
March 1996	N/A	-	-	Photos 372, 387, & 388. Photography in (soft copy) digital form. Each file is approximately = 50 Mbytes. Header files not importable to USATEC's geographic informations systems, but standard (unrectified) images are displayable. Source data held by Memphis District Corps office.

CWS = Chemical Warfare Service
DDMT = Defense Depot Memphis, Tennessee
NARA = National Archives and Records Administration
USATEC = U.S. Army Topographic Engineering Center

GLOSSARY

ACCESS ROAD - A paved or unpaved route of vehicular access.

BERM - A man-made ridge or embankment, constructed of natural or man-made materials, often used to prevent the movement of materials, usually liquids.

BUILDING /STRUCTURE - Usually box-like and roofed; man-made.

CLEARED AREA - An area from which man has removed the trees, shrubs, or other natural vegetation cover.

CONTAINER - Something such as a can, box, bucket, or barrel; used to hold, store and/or transport materials.

CUT - Narrow section of ground which has been removed from a hill or sloped area for an unknown purpose.

DEBRIS - The scattered remains of anything broken or destroyed.

DEPRESSION - An area sunken below its surroundings.

DISTURBED AREA - A rough ground surface which has been cleared, overturned, dug up, filled and/or changed from the immediate environs in some manner for an unknown purpose.

DITCH - A long narrow trench or furrow dug in the ground, as for drainage or irrigation.

DRAINAGE, SURFACE - The routes by which liquid flows. Surface drainage includes perennial, intermittent, channelized, and suspected pathways.

DRUMS - Cylindrical, plastic, or metal, or fiber container for storing and/or transporting materials.

EDGE OF SLOPE - A topographic contour which simulates a relatively sharp and distinct downward inclination of the ground surface.

EXCAVATION - A cavity in the earth formed by digging or scooping out materials.

FILL AREA - Area where material, either earthen and/or non-earthen, has been deposited in a fill area.

GRADED AREA - Area where the ground surface has been shaped, usually leveled to a smooth horizontal or sloping surface.

GROUND SCAR - A ground surface, vegetated or not, where marks from a previous activity or feature, or from a subterranean feature are visible.

LANDFILL - A land disposal site, usually for solid waste which intermittently employs a cover material.

MATERIAL - A substance (usually non-liquid, if that distinction can be made) placed, bulldozed, graded, mixed, spread, etc.

MOUNDED MATERIAL - Material which has been placed in piles or mounds. Frequently extraction materials, construction materials, or industrial raw materials are stored in large mounds in the open. At fill areas and landfills uniformly dump truck size mounds of material are often present.

OPEN STORAGE - An open-air, outdoor area for storage of materials, supplies, vehicles, and/or equipment; may or may not be enclosed by a fence.

PIT - A relatively deep, steep sided hole in the ground surface.

STRUCTURE /BUILDING - Usually box-like and roofed; man-made.

TONES, LIGHT/MEDIUM/DARK - A general, and somewhat subjective, classification of the wide range of tones/shades visible on panchromatic photography.

TRENCH - A long narrow excavation.

UNIDENTIFIED [FEATURE] - Object /objects, usually man-made, which can be distinguished from surrounding environs, but cannot be clearly identified due to limiting factors of the panchromatic photography such as: scale, resolution, look-angle, etc.



DUNN FIELD, 1945

MEMPHIS ARMY SERVICE FORCES DEPOT

Figure 1



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CL.....	CLEARED AREA	LT.....	LIGHT-TONED
DEP.....	DEPRESSION	M.....	MATERIAL
DG.....	DISTURBED GROUND	MM.....	MOUNDED MATERIAL
DK.....	DARK-TONED	MT.....	MEDIUM-TONED
FA.....	FILL AREA	OS.....	OPEN STORAGE
GA.....	GRADED AREA	ST.....	STRUCTURE

Source: Photo No. 178
Mission: VV16PL-M2-16PS
Date Flown: 26 August 1945
Original Scale: 1:22,000
Stereo Coverage



DUNN FIELD, 1946

MEMPHIS GENERAL DEPOT

Figure 2





DUNN FIELD - 1947 or 1948 (probable)

MEMPHIS GENERAL DEPOT

Figure 3



1 Memphis Army Forces Depot, Memphis, Tenn., Area North Of Dunn Ave., Office Of Post Engineer, Drawing No. 16-4, 7 December 1945 with undated revisions. "MUSTARD TRENCH 100' long x 10' DEEP" appears partially erased on this drawing.

2 Report of Investigation Concerning Receipt of German Toxic Gas Munitions At Mobile, Alabama and Shipment Of These Munitions To Pine Bluff Arsenal, Part Two - 24-25 July 1946 Investigation, page 10.

3 Letter and ground photos from Major Otto Spahn, Jr., Chemical Supply Officer, Memphis General Depot, to Office, Chief Chemical Corps, Washington, D.C., "Decomposition CC-2", 6 August 1947.

4 Defense Technical Information Center, Document No. B065942, "Installation Assessment of Defense Depot, Memphis, Tenn.", July 1982, pages 2-19 & 2-20.

Source: Contact Print - Aerial Photo
DDMT archive photo.
Mission: Unknown
Date Flown: 1947 or 1948 (probable)
Partial Monoscopic Coverage

- Probable location of a February 1947 CC-2 impregnate burial site; possible location of a July 1946 mustard bomb disposal operation.^{2,3}

- Possible locations of a July 1946 mustard bomb disposal operation.²

Sites A & B match to an "old burn area, 1946".⁴

NOTE: Site C matches to a map location labeled "MUSTARD TRENCH 100' x 10' DEEP".¹

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DUNN FIELD, 1950

MEMPHIS GENERAL DEPOT

Figure 5



0 200 400
Scale in Feet (approx.)

CL..... CLEARED AREA | OS..... OPEN STORAGE
DG..... DISTURBED GROUND | ST..... STRUCTURE
GS..... GROUND SCAR | U/I..... UNIDENTIFIED

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Source: Photo Map No. 10-4
Mission: Unknown
Date Flown: 1950
Original Scale: 1: 2,400
Partial Monoscopic Coverage



DUNN FIELD, 1951

MEMPHIS GENERAL DEPOT

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0 200 400

Scale in Feet (approx.)

CL..... CLEARED AREA OS..... OPEN STORAGE
DI..... DITCH ST..... STRUCTURE
GR..... GRADED AREA TR..... TRENCH
LT..... LIGHT-TONED AREA

DRAINAGE DITCH

Source: Photo No. 19
Mission: ALSV 68 RTS
Date Flown: 3 October 1951
Original Scale: 1:16,000
Stereo Coverage



DUNN FIELD, 1952

MEMPHIS GENERAL DEPOT

Figure 7

MEMPHIS, TENNESSEE



Memphis Army
Service Forces
Depot, Memphis,
Tenn., Area North
Of Dunn Ave.,
Office Of Post
Engineer,
Drawing No. 16-4,
7 December 1945
with undated
revisions.

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Scale in Feet (approx) [North & South direction only]



CL..... CLEARED AREA
DG..... DISTURBED GROUND
DK..... DARK-TONED
M..... MATERIAL
MM..... MOUNDED MATERIAL
OS..... OPEN STORAGE
ST..... STRUCTURE

Source: Photo No. LHM 51
Mission: 5 SRW 5RT 3030
Date Flown: 9 February 1952
Original Scale: 1:11,000
Stereo Coverage

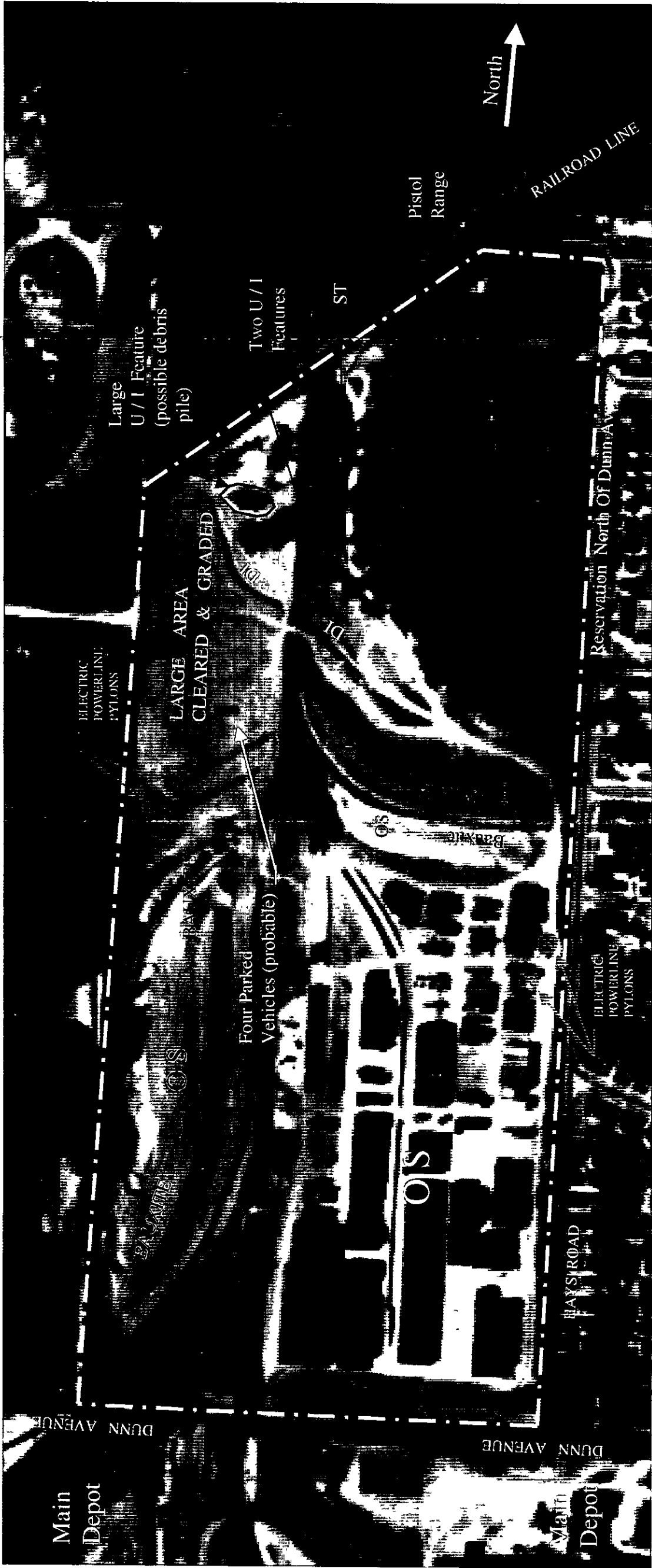


DUNN FIELD, 1953

MEMPHIS GENERAL DEPOT

Figure 8

MEMPHIS, TENNESSEE



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Source: Photo No. 2M-196
Mission: ADI
Date Flown: 11 October 1953
Original Scale: 1:20,000
Stereo Coverage

0 200 400
Scale in Feet (approx.)

DL..... DITCH
OS..... OPEN STORAGE
ST..... STRUCTURE
U/I..... UNIDENTIFIED

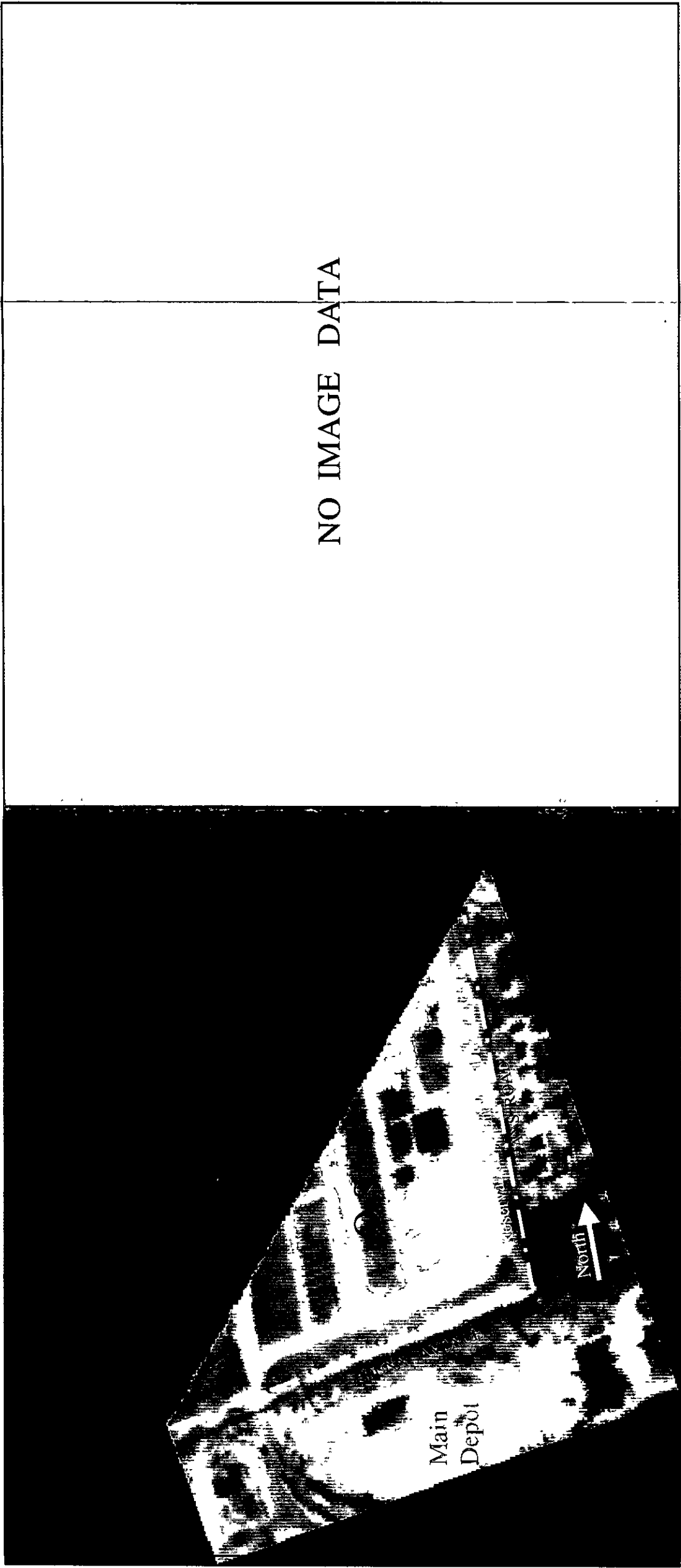


DUNN FIELD, 1955

MEMPHIS GENERAL DEPOT

Figure 9

MEMPHIS, TENNESSEE



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OS..... OPEN STORAGE

0 200 400
Scale in Feet (approx.)

Source: Photo No. LSV 25
Mission: 43 TRS 43
Date Flown: 17 November 1955
Original Scale: 1:10,000
Partial Monoscopic Coverage



DUNN FIELD, 1957

MEMPHIS GENERAL DEPOT

Figure 10



¹ Memphis Army Service Forces Depot, Memphis, Tenn., Area North Of Dunn Ave., Office Of Post Engineer, Drawing No. 16-4, 7 December 1945 with undated revisions.

² Memphis General Depot, Location Of Materials Buried In Dunn Field, Office Of Post Engineer, Drawing No. 16.4D, 19 June 1956 with multiple revisions to 17 September 1984.

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CL..... CLEARED AREA M..... MATERIAL
DG..... DISTURBED GROUND OS..... OPEN STORAGE
DK..... DARK-TONED ST..... STRUCTURE
GS..... GROUND SCAR U/I..... UNIDENTIFIED

Source: Photo No. LSM 50
Mission: 26 SRW 801 RTS
Date Flown: 8 July 1957
Original Scale: 1:11,000
Partial Stereo Coverage

MEMPHIS ARMY DEPOT

MEMPHIS, TENNESSEE



0 200 400

Scale in Feet (approx.)

CL..... CLEARED AREA EXC..... EXCAVATED
DEP..... DEPRESSION GS..... GROUND SCAR
DG..... DISTURBED GROUND MM..... MOUNDED MATERIAL
DK..... DARK-TONED OS..... OPEN STORAGE

Source: Photo No. 103
Mission: GS-VARE
Date Flown: 8 March 1963
Original Scale: 1:20,000
Stereo Coverage

**1 Defense
Technical
Information
Center
Document
#B065942, July
1982, p. 2-14**



DUNN FIELD, 1973

DEFENSE DEPOT MEMPHIS

Figure 14

MEMPHIS, TENNESSEE



1 The Pistol Range includes Building 1184 which was used to store various pesticides (re: DTIC Doc. #B065942, July 1982, p 2-14)

2 Memphis General Depot, Locations Of Materials Buried, Office Of Post Engineer, Drawing No. 16.4D, 19 June 1956, with multiple revisions to 17 Sept 1984.

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0 200 400
Scale in Feet (approx.)

DG.....	DISTURBED GROUND	M.....	MATERIAL
EXC.....	EXCAVATION	OS.....	OPEN STORAGE
GS.....	GROUND SCAR	ST.....	STRUCTURE
LT.....	LIGHT-TONED		

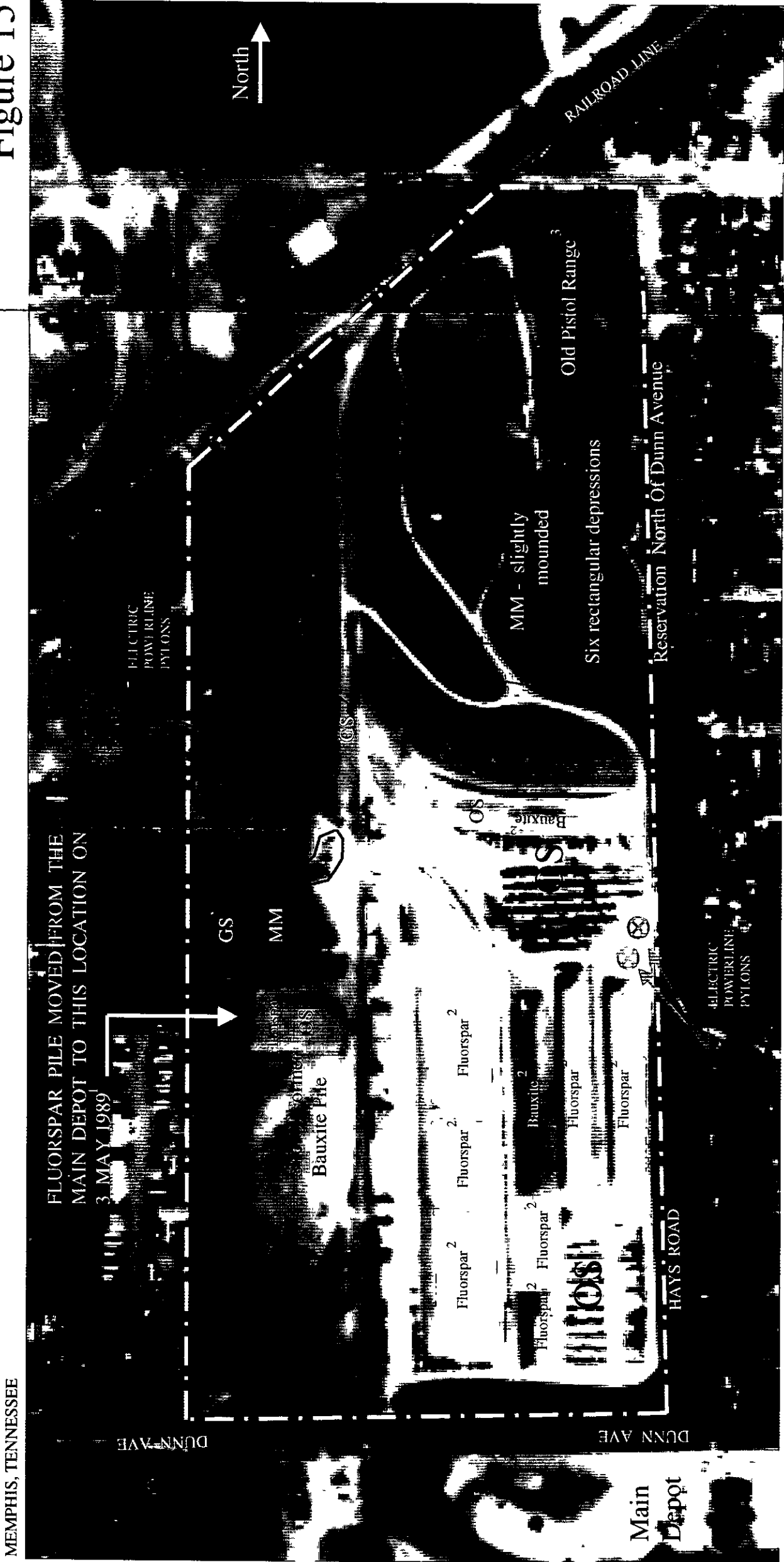
Source: Photo No. 1-135
Mission: GS-VDFI
Date Flown: 8 March 1973
Original Scale: 1:20,000
Stereo Coverage



DUNN FIELD, 1990

DEFENSE DEPOT MEMPHIS

Figure 15



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Source: Photo No. 1-89
Mission: GS-VFMT
Date Flown: 12 February 1990
Original Scale: 1:20,000
Stereo Coverage

- 1 DLA, Defense Stockpile Representative, telephone conversation on 11 August 1998
- 2 Drawing 1, Dunn Field (OU1), Investigation Site Location Map, Defense Depot Memphis, TN, CH2MHILL, no date
- 3 The Pistol Range includes Building 1184 which was used to store various pesticides (re: DTIC Doc. #B065942, July 1982, p. 2-14)

FINAL PAGE

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