



US Army Corps
of Engineers
Rock Island District



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

Archives Search Report

Findings
for the former

DESERT CENTER DIVISION CAMP

DESERT CENTER, CALIFORNIA
PROJECT NUMBER J09CA034201

September 1996



DEFENSE ENVIRONMENTAL RESTORATION PROGRAM
for
FORMERLY USED DEFENSE SITES

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ARCHIVES SEARCH REPORT
FOR
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 FOR
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FINDINGS

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ORDNANCE AND EXPLOSIVE
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1. INTRODUCTION

a. **Subject and Purpose**

(1) This report presents the findings of a historical records search and site inspection for the presence of ordnance and explosive (OE) located at the Former Desert Center Division Camp, Desert Center, California (See plate 1 for general location map). The investigation was performed under the authority of the Defense Environmental Restoration Program for Formerly Used Defense Sites (DERP FUDS).

(2) The investigation focused on 34,000 acres that were identified as the Former Desert Center Division Camp. The site was used as a hospital and possible maneuver area from 1942 to 1944.

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

b. **Scope**

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

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

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

2. PREVIOUS INVESTIGATIONS

a. **1994 Preliminary Assessment**

(1) A Preliminary Assessment of Desert center division camp was conducted under the Defense Environmental Restoration Program, Formerly Used Defense Sites (DERP-FUDS) by the U.S. Army Corps of Engineers, Los Angeles District.

(2) At that time, the Finding and Determination of Eligibility (FDE), dated 12 September 1994, concluded that the site located near Desert Center, Riverside County, California had been formerly used by the War Department (See document E-1).

(3) The FDE concluded that there were eligible categories under the DERP FUDS program. Due to the fact that the site was used by the Army and identified as a division camp, an Ordnance and Explosives (OE) project was recommended, DERP FUDS Project Number J09CA034201, the principal subject of this report (See document E-2 and Table 2-1).

TABLE 2-1
DERP FUDS PRELIMINARY ASSESSMENT PROJECTS

Project Number	DERP Category	Present Phase	Comments	Location
	HTRW		None Recommended	
	CON/HTRW		None Recommended	
	BD/DR		None Recommended	
J09CA034201	OE	SI	Ordinance and Explosive Contamination	Entire Site 34,000 Acres (See Plate 1)

b. Other Investigations

No other investigations pertinent to this site were located.

3. SITE DESCRIPTION

a. Existing Land Usage

(1) The Former Desert Center Division Camp is located in Riverside County, California near the town of Desert Center (See plate 1).

(2) The 34,000 acres that made up the Former Desert center division camp are currently owned by the federal government and several private individuals. The vast majority of the site is desert managed by the Bureau of Land Management (BLM). A small trailer park and golf course are also on the site (See Table 3-1).

TABLE 3-1 CURRENT LAND OWNERS/USAGE					
AREA	FORMER USAGE	CURRENT OWNER	CURRENT USAGE	ACREAGE*	COMMENTS
A	Hospital	BLM	Desert	956	See Plates 2, 3 and 4
		Golden Monkey Inc.	Desert	89	
B	Possible Camouflage Area	BLM	Desert	10,201	See Plates 2, 3 and 4
		7 Private Parcels	Desert Mining	155	
C	Possible Maneuver Area	BLM	Desert	16107	See Plates 2, 3 and 4
		113 Private Parcels	Desert Trailer Park Golf Course	5211	
D	Water Point	BLM	Desert	1,281	See Plates 2, 3 and 4
* Indicates approximate acreage				TOTAL	34,000

b. Climatic Data

(1) The regional climate is influenced by two main sources of air movement. From fall through spring, the area is affected by a northern and middle latitude Pacific air movement which crosses the Sierra Nevada Mountains. As this moist air movement moves east from the Pacific, the mountains deplete the moisture creating a rain shadow effect over the Great Basin and Mojave deserts. During the summer and early fall months, a tropical air mass from the southern Pacific and the Gulf of Mexico dominate the region.

(2) The eastern portion of Riverside County is characterized as an arid area with annual precipitation totaling less than four inches. An occasional thunderstorm can produce a sudden heavy rain shower with a resulting flash flood. These flash floods cascade swiftly and forcibly down the mountain side, eroding the surface and are dangerous to anyone caught in their path.

(3) The relative humidity is moderate to low throughout the year. The yearly early morning average

reading is 45 percent which drops to 20 percent in the afternoons.

(4) The normal desert wind speed is 8 miles per hour and blows from a southern or westerly direction.

(5) The average daily and seasonal temperatures for the Desert Center area are influenced by general air movement from the surrounding mountains and desert topography. June and September have the highest monthly temperature averages of 91 degrees Fahrenheit (°F). The summer daily temperature can rise to above 110 °F in the shade and drop into the 70 °F range at night. The monthly winter average temperatures range between 53 °F and 63 °F during the day. The winter evening temperatures can drop below freezing with strong winds that can result in an exposed flesh hazard (References B-2 and B-3).

c. Topography

(1) The topographic features of the Desert Center area are typical of the Basin and Range Physiographic Province. This consists of large mountain ranges that are separated by broad alluvium filled valleys and dry lake beds. The primary mountain ranges that surround Desert Center are the Coxcomb, Chuckwalla, Orocopi and Eagle Mountains. An unnamed dry lake bed is on the site.

(2) The terrain features range from approximately 620 to over 2,000 feet in the higher elevation. The slope of the terrain increases from 5 percent on the Chuckwalla Valley floor to over 20 percent on the alluvial plains. On the mountains, the slopes can exceed 45 degrees (Reference B-4).

d. Geology and Soil

(1) The soils around the site are of a dissected piedmont alluvial plain which formed over millions of years. These alluvia were formed when great land masses were uplifted due to tectonic plate shifting and volcanic action forming the various mountain ranges. The bed rock is made of granite produced by the extreme pressures of tectonic shifting and volcanic formations. The rocky layers near the surface are mainly basalt, which are porous rocks formed

from volcanic activities. This has been slowly chipping away, forming an immature sandy soil. This immature sandy soil is the predominate soil feature on this site.

(2) In a representative profile, the surface layer is covered by a close fitted pavement of gravel coated with dark brown to black desert varnish on top and tinted red or orange on the bottom. The next layer is about one and a half inches of bleaches, pale brown, very gravelly silt loam. Underneath this layer lies an approximate fourteen inch layer of light brown silty clay loam and very gravelly clay loam. At a depth of about sixteen inches, the layers appear as light brown, very cobbly and gravelly fine sandy loam which may extend to a depth of more than sixty inches (References B-2, B-4 and B-5).

(3) Within three miles of the northwest corner of the site is a large iron ore mine. This mine has been named, over time, the Briest, Eagle Mountain or Kaiser mine. Significant amounts of ore have been extracted from this mine (Reference B-6).

e. Hydrology

The Desert Center area was no naturally occurring surface water. Numerous intermittent streams cross the site. Some subsurface water is present Chuckwalla Valley. Wells in the area of the site range from 409 to 808 feet in depth (References B-5 and B-6).

f. Natural Resources

Based upon a 1980 BLM report (Reference B-6), the site contains habitat for Big Horned Sheep and crucial habitat for Desert Tortoises. The site was within the foraging range of the Golden Eagle. A number species of vegetation that were candidates at the time were also associated with the site. A current list of Threatened, Endangered, Proposed Candidate species for Riverside County is may be found at document F-1. During the site inspection, the assessment team noted the remains of a desert Tortoise.

TABLE 3-4
NATURAL AND CULTURAL RESOURCES

RESOURCE CLASSIFICATION	TYPE	COMMENT
Wildlife	Big Horned Sheep	Habitat
	Desert Tortoise	Endangered
	Golden Eagle	Foraging Range
Vegetation	Coryphantha vivipara var. alversonii	Previously identified candidate species
	Ditaxis californica	Previously identified candidate species
Historical	11 Structures and 12 Features	Coordinate all intrusive actions with SHPO
Archeological	14 Sites	Coordinate all intrusive actions with SHPO

g. Historical/Cultural Resources

The California Historical Resources Information System has conducted a cultural resources survey on a small portion, approximately one percent, of the site. This survey identified 14 archeological sites. Numerous historic structures and features have also been identified. Due to the site's use during the second world war, it is identified as State Historical Landmark 985 and is eligible for National Register status (Reference B-8).

4. HISTORICAL ORDNANCE PRESENCE

a. Chronological Site Summary

(1) This site is a small part of the California-Arizona Maneuver Area (C-AMA). The C-AMA was intended for division and corps sized maneuvers. At one point, C-AMA involved twelve million acres of land. In the March 1942, Major General Patton spent three days reconnoitering the southern portion of California for possible locations of desert training sites. Desert Center was one of the

locations selected for a division cantonment. Patton was favorably impressed with the C-AMA. There was adequate, if not abundant water. He rejected the suggestion that troops build storage tanks for water. They had no time to do anything, Patton said, except to learn to fight (Reference B-8).

(2) In April 1942, a permit to use public land in the area of Desert Center was acquired from the Department of the Interior (See documents F-2, G-1 and G-2). An agreement was reached the Southern Pacific Company to use railroad sections in C-AMA free of charge (See documents G-2 and G-3). Some of these sections were within the Desert Center Division Camp (See document G-1).

(3) Additional public land was desired by the military to built camp sites. Another use permit was not considered appropriate, in that land claims could be filed by individuals if the land was not under the jurisdiction of the War Department (See Document F-3). On 20 June 1942, additional public land was added to the Desert Center Division Camp under the jurisdiction of the War Department (See documents F-4 and G-1).

(4) Despite the name of the site, an army division was not stationed at the site. Only rear area troops were encamped in and around the site (See F-5 and F-6).

(5) On 1 April 1944, this site as well as the majority of C-AMA was declared surplus to the needs of the War Department (See document F-7).

(6) The Interior Department was notified that the land under the jurisdiction of the War Department was no longer needed by the military on 16 December 1944. The land acquired by permit was returned to the Interior Department on 19 April 1949 (See documents F-8, F-9 and G-1).

(7) The Southern Pacific refused to accept the lands within the division camp until all the railroad sections within C-AMA were dedudded (See document G-4). In 1956, the Southern Pacific accepted all of its land within C-AMA (See document G-5).

(8) Since site closure, a golf course and trailer park have been built on a small portion of the site. Some prospecting and mining activity has occurred on the northern portion of the site.

b. Ordnance Related Record Review

(1) Research efforts began with a thorough review of all reports, newspaper articles, historical documents and reference material gathered during the archival records search. During the review, an effort was made to focus on the area of potential OE contamination as described in the Inventory Project Report (INPR) (Reference B-1).

(2) When originally planned, this site was desirable due to the location of a possible camouflage area and available water (See document L-1 and plate 2). The Army originally desired a compact area of two and one third sections of land, except for water and mining claims (See document L-2). There must have been a number of land claims pending, in that the land the Army acquired was oddly shaped and not compact. Only one of the sources of water available in the vicinity of Desert Center was located within the boundaries of the site (See Plate 2).

(3) No division camp was built on the site (See document F-5). The only units stationed at Desert Center were an evacuation hospital, an observer detachment, an ordnance maintenance company, a quartermaster truck unit and Ammunition Depot. No. 1 (See document F-6). No ranges or impact areas were on the site (See documents L-3 and L-4).

(4) Units were not particular were they established their camps. Locations of the encampments were discovered by interview and visual inspect discussed later in the report. Two of the camps were located in the south half of Section 24, Township 5 South, Range 15 East. The plat map used by the BLM during the second world war does not show any permit issued to the military for use of this section (See documents G-6 and G-7). It appears the camps were established due to the close proximity of a water well (See plate 2) and the local BLM did not object.

(5) An unknown Ordnance unit at Desert Center operated Ammunition Depot No. 1 (See documents F-6 and F-

10). The location of the ammunition depot was not discovered during the records search and the later discussed interviews and site inspection.

(6) When all of the available historic maps and documents (See documents F-5, F-6, L-1 and reference B-37 and B-38) are combined (See plate 2) some trends are noted. Division camps have a large soft surfaced road network not present on this site. Other military activity tends to be centered around the road network and water sources available at the time. Unit camps, other than division camps, with officers of Colonel or higher are located at water points next to hard surfaced roads and telephone lines. Units of battalion size and smaller are located at water points near any available road. The site that is the subject of this report had a water point at the intersection of three unimproved roads. However, based upon historic documents, no known military activity occurred at this water point.

(7) The contamination records are presented in Table 4-1 and on Plate 6. No documentation reviewed during the records search stated that any ordnance was discovered on the site or that any clearance effect was actually conducted. It appears that in September 1954, a decision was made to restrict all lands to surface use if evidence of inspection was not readily available. In 1967, BLM notified Los Angeles District that such records existed of land within the boundaries of the Desert Center Division Camp (See document F-11). Los Angeles District agreed that there was an error in the in the lands restricted (See document F-12) and removed the restriction (See documents G-6, G-7, G-8 and G-9). Today, the BLM does not consider any of the land contaminated.

TABLE 4-1
CONTAMINATION RECORDS

Date	Summary of Record	See Document
16 December 1944	Land in T5S, R15E relinquished. No statement made concerning OE.	F-8
19 April 1949	Land in T5S, R14E and T4S, R15E relinquished. Land examined and found to be clear of OE. No statement made concerning railroad sections.	F-9
Prior to October 1951	Area around Evacuation Hospital and some railroad land inspected and certified clear for all uses.	L-5
12 March 1952	Land in T5S, R14E refused by Southern Pacific until all railroad land in C-AMA is dedudded.	G-4
20 September 1954	Affidavit filed regarding subsurface OE contamination in T5S, R15E and T5S, R14E.	G-12
11 January 1956	Land in T5S, R14E accepted by Southern Pacific as well as all other railroad land in C-AMA.	G-5
6 March 1967	BLM requests that Los Angeles District reconsider OE contamination in S11, T5S, R15E.	F-11
27 March 1967	Los Angeles District notifies BLM that S11, T5S, R15E is suitable for all purposes. Los Angeles District states that the Affidavit of 20 September 1954 contained errors with respect to lands actually contaminated.	F-12
27 June 1967	BLM requests that Los Angeles District reconsider OE contamination in S15, T5S, R15E.	F-13
13 July 1967	Los Angeles District notifies BLM that S15, T5S, R15E is suitable for all purposes.	F-14
9 October 1967	All land in T5S, R15E and T5S, R14E considered suitable for all purposes by Los Angeles District.	G-6, G-7 G-8, G-9

c. Personnel Interviews

(1) Efforts to locate individuals who had served or had first hand knowledge of the Desert center division camp when it was leased by the military were fairly successful. Interviews with those people listed in Appendix A (Reference Sources) of this report were performed, but for the most part these people had no first hand knowledge of what went on at the site during the time it was a range.

(2) A life long resident of Desert Center was located. He was approximately twenty-five years old at the time of the C-AMA maneuvers. The assessment team showed him a topographic map with the boundaries of the Desert Center Division Camp highlighted. He stated that to his knowledge no firing had taken place within the highlighted area. He was able to locate the hospital on the map. He said that to his knowledge there were no other encampments within the area highlighted. He knew that there was an Ammunition Supply Point (ASP) in the general area of Desert Center and he had that it had been used for demolition operations. He attempted, but was unable, to locate the ASP on the map (See document I-1).

(3) A individual who had collected artifacts in the desert around Desert Center was interviewed. The assessment team showed him a topographic map with the boundaries of the Desert Center Division Camp highlighted. He said that he once found a box of Caliber .45 ammunition on the surface in Section 4 of Township 5 South, Range 15 East. He said that compared to other C-AMA site, Desert Center had few military artifacts (See document I-2).

(4) Another individual who collects artifacts from the local area was interviewed. He stated that he knew of no OE finds in the area of desert center (See document I-3).

5. SITE ELIGIBILITY

a. Confirmed Formerly Used Defense Site

(1) Former land usage by the War Department was confirmed for the site as summarized in section 3a of this report. The approximately 34,000 acre site was used as a as

a hospital and possible maneuver area by the Army during the second world war.

(2) By 1956, all acreage that had been acquired by the Department of Defense was relinquished. Today, no ownership of any part of the former Desert center division camp remains with the Department of Defense (See plate 4).

b. Potential Formerly Used Defense Sites

All acreage for this site was covered in the Finding and Determination of Eligibility, dated 12 September 1994. An ASP was present near the town of Desert Center during the second world war (See documents F-6, F-10 and I-1). A diligent attempt, including use of available aerial photographs, was made to locate the position of the ASP. However, the location of the ASP cannot be determined at this time.

6. VISUAL SITE INSPECTION

a. General Procedures and Safety

(1) The primary task of the site inspection was to assess OE presence or potential due to use as a range and possible demolition, burial or burning sites. On-site inspection was limited to non-intrusive methods in that subsurface sampling was not authorized nor permitted.

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

(3) A site safety plan was developed and was utilized by the assessment team to assure safety from injury during the site inspection of the facility (Reference B-47). A pre-inspection briefing was conducted which stressed that OE should only be handled by military EOD personnel.

(4) On 12 September, members of the assessment team traveled to the former Desert Center Division Camp. An investigation of this real estate was conducted to determine the presence or absence of OE.

(5) Real estate rights of entry were not obtained by the assessment team due to the fact that most of the land is managed by the BLM. Privately owned parcels are neither fenced nor posted.

b. Area A: Hospital

(1) The hospital was easily located based upon the information provided by a life long resident. Numerous rock alignments were noted (See Photograph J-1 and Plate 5). The alignments clearly showed the locations of the streets, tents and wards. Medical related refuse, such as bandage spools and a specimen bottle (See photograph J-2 and plate 5) was noted by the assessment team.

(2) One group of alignments appeared to be a motor pool for the hospital. Debris included military vehicle parts and a solvent basin (See photograph J-3 and plate 5).

(3) No ordnance presence was noted on the surface of this area. No potential burial sites were noted by the assessment team.

c. Area B: Possible Camouflage Area

(1) This area has numerous unimproved roads and trails. The assessment team traveled all the roads and trails in an attempt to discover any past military activity.

(2) Some of the hard surfaced roads that were present in 1943 have degraded in appearance; portions now appear to be no more than trails. The assessment team noted past mining and prospecting activity in this area (See photograph J-4 and plate 5). All of the roads and trails in this area appear to be associated with mining activities, water or power projects.

(3) Several cans that once contained black powder were located by the assessment team (See photograph J-5 and plate 5). These cans are a commercial type for black powder commonly used for mining operations (See document D-2). In that they were located in washes down slope from the Eagle Mountain mine, it appeared to the assessment team that the cans were associated with past mining activity.

(4) Particular attention was paid to the eastern portion of this area in that an ASP was likely to have been near that portion of the area. No evidence of an ASP, such as a road network or rock alignments, was visually evident to the assessment team.

(5) No visible sign of past military activity of any type was observed. No ordnance presence was noted on the surface of this area by the assessment team. No potential burial locations were noted.

d. Area C: Possible Maneuver Area

(1) This area is also has numerous unimproved roads and trails, but not to the extent as Area A (See photograph J-6, J-7 and plate 5). The assessment team traveled all the roads and trails in an attempt to discover any past military activity. All of the roads and trails in this area appear to be associated with mining activities, water or power projects. No indication of past military activity, of any type, was noted by the assessment team.

(2) A golf course and trailer park are located on the eastern border of this area. (See photograph J-8 and plate 5). Particular attention was also paid to the eastern portion of the area due to the possible presence of an ASP. Again, no evidence as an ASP, such as a road network or rock alignments, was visually evident to the assessment team.

(3) One individual told the assessment team that he found a box of caliber .45 ammunition. The assessment team visited the location given in the interview and found no sign of any past military activity.

(4) The assessment team visited two camps east of the site. The purpose of the visit was an attempt to determine if there were any firing lines that may have been use to project rounds into Area C. One rock alignment spelled out "496 MEDOCO" which translates as the 496th Medium Ordnance Company, an outfit that repaired trucks. No evidence of firing lines or firing positions was noted by the assessment team. The assessment team concluded that these camps were used by rear area troops (See photograph J-9 and plate 5).

(4) No ordnance presence was noted on the surface of Area C by the assessment team. No possible burial areas were noted.

e. Area D: Water Point

(1) This area had a known source of water during the second world war. If any training activity occurred on the site, this is the most logical area. Again, no sign of military activity was noted by the assessment team.

(2) The assessment team examined possible natural backstops for firing ranges (See photographs J-10, J-11 and plate 5). No OE was observed.

(3) A sanitary landfill, operated by Riverside County is located in this area (See photograph J-12 and plate 5). The assessment team examined the landfill and it appears to be of recent origin.

(2) No ordnance presence or other ordnance related residue was noted on the surface of this area by the assessment team.

7. EVALUATION OF ORDNANCE HAZARDS

a. General Procedures

(1) Each sub-site was evaluated to determine confirmed, potential, or uncontaminated ordnance presence. Confirmed ordnance contamination is based on verifiable historical evidence or direct witness of ordnance items since site closure. Verifiable historical record evidence consists of ordnance items located on site and documented by local bomb squads, EOD teams, newspaper articles, correspondence, current findings, ect. Direct witness of ordnance items consists of the inspection team directly locating ordnance items by visual inspection. Additional field data is not needed to identify a confirmed site.

(2) Potential ordnance contamination is based on a lack of confirmed ordnance presence since site closure. Potential ordnance contamination is inferred from record.

Inference from historical records would include common practice in production, storage, usage or disposal, at that time, which could have allowed present day ordnance contamination. Potential ordnance contamination could also be based on indirect witness or from present day site features. Additional field data is needed to confirm potential ordnance sub-sites.

(3) Uncontaminated ordnance sub-sites are based on a lack of confirmed potential ordnance contamination. Additional field data is not needed to assess uncontaminated ordnance sub-sites.

b. Area A: Hospital

This area is **uncontaminated**. Based upon historical research and the site visit, this area was used exclusively as a hospital. There have been no reports of OE contamination since site closure.

c. Area B: Possible Camouflage Area

This area is **uncontaminated**. The only historical evidence of any military use was one map that designated the area as a possible camouflage area. There has been a fair amount of mining activity in this area with no reports of OE presence since site closure. There is no visual evidence of any military activity in this area and no reports of OE presence since site closure.

d. Area C: Possible Maneuver Area

(1) This area is **uncontaminated**. Based upon historical research and the site visit, this area does not appear to have been used.

(2) A box of caliber .45 ammunition was reported to have been found in this area by an artifact collector. It is not clear that this box was under military control when it was placed in the desert. It is possible the box was lost by a military unit during a road march or maneuver, but this would be an isolated event. The location described by the artifact collector had no sign of military use.

(3) It is within the realm of possibility that a caliber .45 range, either pistol or sub-machinegun, was located in this area. These types of ranges were the smallest ranges used by the Army in 1943 and were very easy to construct. Rear area units could have used such a range for qualify with personal defense weapons. It is also possible that the assessment team did not locate this range due to its small size and primitive nature. The next smallest range, typical at the time, was a caliber .30 carbine range. This type of range would have had clear firing lines 100 and 200 yards from a backstop of some sort. This type of range would have been close to a road. A carbine range would have been detected by the assessment team. In any case, expended small arms ammunition is not considered OE.

(4) Other than the one individual who told the assessment team about a box of small arms ammunition found in the area, there have been no reports of OE presence since site closure.

e. Area D: Water Point

This area is **uncontaminated**. There is no historical or visual evidence that this area was used. There have been no reports of OE contamination since site closure.

8. SITE ORDNANCE TECHNICAL DATA

a. End Item Technical Data

(1) The only ammunition that has been associated with this site is the caliber .45 ball cartridge, M1911. Table 8-1 has been developed to establish the filler of this ordnance item.

TABLE 8-1 AMMUNITION USED AND EXPLOSIVE/CHEMICAL FILLERS			
Item	Type/Model	Filler/Weight	Fuze Type
Caliber .45	Ball, M1911	Smokeless Powder Propellant, 5 grains	-

b. **Chemical Data of Ordnance Fillers**

Table 8-2 has been developed to provide information on the explosive/chemical compounds used in the ordnance cited in Table 8-1.

TABLE 8-2 SUMMARY OF SITE ORDNANCE FILLERS		
Explosive Material	Synonyms	Chemical Compounds
Smokeless Powder Various % of Nitrocellulose	FNH, NH Nitrocotton	$[C_6H_7(OH)(ONO_2)_m]_n$ m=0, 1, 2, 3
Dinitrotoluene	DNT	$C_6H_2CH_3(NO_2)_2$
Dibutylphalate	Gelling Agent	$C_6H_4(CO_2C_4H_9)_2$
Diphenylamine	DPA; Stabilizer	$(C_6H_5)_2NH$

9. EVALUATION OF OTHER SITE INFORMATION

There are no known other environmental hazards at the Former Desert center division camp other than those already addressed by the Los Angeles District.

ORDNANCE AND EXPLOSIVE
ARCHIVES SEARCH REPORT
FOR
DESERT CENTER DIVISION CAMP
DESERT CENTER, CALIFORNIA
PROJECT NUMBER J09CA034201

APPENDIX A

REFERENCE SOURCES

Reference Sources

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
FEDERAL AGENCIES			
Department of Defense			
Defense Mapping Agency ATTN: PMSC 6001 MacArthur Boulevard Bethesda, MD 20816	Jimmy Thompson	301-227-2495	No Information
Defense Technical Information Center (DTIC) Cameron Station Alexandria, VA 22304-6154	Computer Search	202-274-7633	No Information
Defense Library On Disk (DLOD) Pentagon Library, Room 1A518 Washington, DC 20301-6000	Computer Search	703-697-4658	No Information
Defense Logistics Studies Information Exchange (DLSIE) Fort Lee, VA 23801-6043	Computer Search	804-734-4007	No Information
Department of Defense Explosives Safety Board (DDESB) 2461 Eisenhower Avenue Alexandria, VA 22331-0600	Computer Search	703-325-8624	No Information
Defense Mapping Agency Customer Service Center Philadelphia Depot 5801 Tabor Avenue Philadelphia, PA 19120-05095	Staff	800-826-0342 301-227-2465	Aeronautical Charts

Reference Sources
(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
Department of Defense (continued)			
Army			
U.S. Army Military History Institute Carlisle Barracks Building 22 Carlisle, PA 17013	Dennis Vetock John Slonaker Mike Winey Richard Sommers	717-245-3611 717-245-3434 717-245-3601	Background Information
Center of Military History Attn: DAMH-RAS 1099 14th Street NW Washington, DC 20536	Staff	202-504-5416	See Appendix B Section II
Rock Island Arsenal Museum ATTN: SIORI-PCA-M Bldg 60 Rock Island, IL 61299	Daniel Whiteman Chris Leinicke	309-794-5021	No Information
U.S. Army CBDCOM ATTN: AMSCB-CIH Aberdeen Proving Ground, MD 21010	Kathleen Ciolfi	410-679-4430	Negative Report
IOC Historical Office ATTN: AMSIO-EAH Bldg 390 Rock Island, IL 61299-5000	Tom Slattery	309-794-1450	No Information
U.S. Army Construction Engineering Research Lab (CERL) Champaign, IL 81820	Pat Lacey	217-373-7217	No Information

Reference Sources

(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
Department of Defense (continued)			
Army (continued)			
USACE-Office of History Humphreys Engineer Center 7701 Telegraph Road Alexandria, VA 22310	Dr. James Dunn	703-355-3558	See Appendix B Section II
USACE, Los Angeles District 300 North Los Angeles Street Los Angeles, CA 90024	Debrah Castens Greg Bogossian	213-894-2866 213-452-3722	Various information
USACE, Los Angeles District 360 East 2nd Street Los Angeles, CA 90024	Richard Nagle Delores Henderson	213-894-2951 213-894-5583	Real Estate Information
USACE, Sacramento District 1325 J Street Sacramento, CA 95814-2922	Marvin Fisher Dan Fodrini	916-557-6800 916-557-6857	No Information
USACE, St. Louis District ATTN: CELMS-PD 122 Spruce Street St. Louis, MO 63103	Jim Lubbert	714-331-8840	No information otherwise obtained.
U.S. Army Chemical School Fisher Library Building 1081 Fort McClellan, AL 36205-5000	Richard Pastorett	205-848-4414	No Information

Reference Sources
(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
Department of Defense (continued)			
Army (continued)			
U.S. Army Ordnance Museum ATTN: ATSL-DOS-M Building 2601 Aberdeen Proving Ground, MD 21005	Dr. Atwater	410-278-3602	No Information
Army Safety Management Information System (ASMIS) Fort Rucker, AL 36322	Computer Search	205-255-6485	No Information
Patton Museum of Calvary and Armor Fort Knox, KY 40121	Katie Talbot	502-624-3812	Historical Maps
259th EOD Fort Irwin, CA	CPT Tooler SPC Knowles	619-380-4092	Negative Report Concerning OE
70th ORD Det.- EOD Navy Submarine Base P.O. Box 6376 San Diego, CA 92166	SGT McFarlen	619-553-8500	Negative Report Concerning OE
Air Force			
US Air Force Environmental Technical Applications Center 151 Patton Avenue Maxwell AFB, AL 36112	Lynn Gamma	205-953-2395	No Information

Reference Sources

(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
Department of Defense (continued)			
Navy			
Navy Historical Center Building 57 Washington Navy Yard Washington, DC 20374	Staff	202-433-3171	See Appendix B Section II
Marine Corps Historical Center Building 58 Washington Navy Yard Washington, DC 20374	Staff	202-433-3483	See Appendix B Section II
Naval Construction Battalion Center 621 Pleasant Valley Road Port Hueneme, CA 93043	Dr. Vince Transano	805-982-5913	No Information
EOD Unit Marine Corps Air Ground Combat Center Twenty-Nine Palms, CA 92278	GYSGT Wheeler	619830-7215	Negative Report Concerning OE
National Archives and Record Administration			
NARA-Archives I (Modern Military) Pennsylvania Ave and 7th Street Washington, DC 20408	Staff	202-501-5385	See Appendix B Section II

Reference Sources

(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
National Archives and Record Administration (continued)			
NARA-Archives I (Old Military) Pennsylvania Ave and 7th Street Washington, DC 20408	Staff	202-501-5390	See Appendix B Section II
NARA-Archives I (Navy) Pennsylvania Ave and 7th Street Washington, DC 20408	Staff	202-501-5671	See Appendix B Section II
NARA-Archives II (Textual Reference Branch) 8601 Adelphi Road College Park, MD 20740	Staff	301-713-7250	See Appendix B Section II
NARA-Archives II (Still Picture Branch) 8601 Adelphi Road College Park, MD 20740	Staff	301-713-6660	See Appendix B Section II
NARA-Archives II (Motion Picture Branch) 8601 Adelphi Road College Park, MD 20740	Staff	301-713-7060	See Appendix B Section II
NARA-Achieves II (Cartographic and Architectural Branch) 8601 Adelphi Road College Park, MD 20740	Staff	301-713-7040	See Appendix B Section II

Reference Sources

(continued)

Organizations	Name	Telephone	Nature of Support
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GOVERNMENT SOURCES**National Archives and Record Administration (continued)**

NARA-Archives II (Civil Reference Branch) 8601 Adelphi Road College Park, MD 20740	Staff	301-713-7250	See Appendix B Section II
NARA-Suitland Branch (Civil and Military) 4205 Suitland Road Suitland, MD 20409	Staff	301-457-7190	See Appendix B Section II
National Personnel Records Center 9700 Page Avenue St. Louis, MO 63132	Bill Seibert	314-538-4085	See Appendix B Section III
NARA-Federal Records Center 1000 Commodore Drive San Bruno, CA 94066	Barbara Bepler	415-876-9001	See Appendix B Section III
NARA-Federal Records Center 2400 Alvia Road Laguna Niguel, CA 92607-6719	Greg Pearman	714-643-4220	See Appendix B Section III
NARA-Pacific Sierra Region 1000 Commodore Drive San Bruno, CA 94066	Lisa Miller	415-876-9009	See Appendix B Section III

Reference Sources

(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
National Archives and Record Administration (continued)			
NARA-Pacific Southwest Region 2400 Alvia Road Laguna Niguel, CA 92656	Suzanne Dewberry	714-643-4241	See Appendix B Section III
Department of the Interior			
USGS-Distribution Branch Denver Federal Center P.O. Box Denver, CO 80225	Staff	303-263-4700	Topographic Maps
Geological Survey Reston, VA 22092	Dave Keys	(703) 648-5956	No Information
Bureau of Land Management 101 West Spikes Road Needles, CA 92363	Phil Damon Lesly Smith Dennis Darghy Bill Wiley	619-326-3896	Background Information
Bureau of Land Management 620 North Sola P.O. Box 716 Blythe, CA 92226	Fred Delkamp	619-922-4519	Background Information
Bureau of Land Management 6221 Box Springs Boulevard Riverside, CA 92507-0714	Larry Foreman Manuela Johnson Rolla Queen John Key	909-697-5221 909-697-5220 909-697-5386 909-687-5299	Plat Maps, Contamination Reports

Reference Sources

(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
Department of the Interior (continued)			
Bureau of Land Management	David Eslinger	619-251-4836	Referral
Palm Springs Resource Center	Joan Oxendine	619-251-4804	
63500 Garnet Avenue	Mike Mitchell	619-251-4800	
North Palm Springs, CA 92258			
U.S. Fish and Wildlife Service	John Hanlon	(619) 431-9440	Endangered Species Information
2730 Loker Avenue West			
Carlsbad, CA 92008			
Department of Commerce			
NOAA-Climatic Data Center	Sam McCowan	704-271-4272	Climatic Information
Federal Building	Yolanda Goosch		
Ashville, NC 28801			
Department of Agriculture			
Consolidated Farm Service Agency	Staff	619-347-3675	No Information
45691 Monroe, Suite 4			
Indio, CA 92201			
Natural Resources Conservation Service	Stephanie Kruger	909-684-1552	Referral
1299 Columbia Street			
Riverside, CA 92506			
Natural Resources Conservation Service	Raul Alvarado	619-922-3446	General Soil Information
200 East Murphy Street			
Blythe, CA 92226			

Reference Sources

(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
Department of Agriculture (continued)			
Natural Resources Conservation Service 2121 C 2nd Street Davis, CA 95616	Donald Storm	916-757-8270	Referral
Natural Resources Conservation Service 80975 Indio Boulevard Indio, CA 92201	Sam Aslan	619-347-7658	Referral
Natural Resources Conservation Service P.O. Box 788115 Twenty-Nine Palms, CA 92278-8115	John Rule	619-830-7011	Referral
Aerial Photography Field Office P.O. Box 30010 Salt Lake City, UT	Sherrie Holyoak	801-975-3503	No Information
Library of Congress Library of Congress Geography And Map Division Washington, DC 20536	Staff	202-707-5522	See Appendix B Section II
Smithsonian Institute Smithsonian Institution Historical Research Division Washington, DC 20560	Staff	202-357-3133	See Appendix B Section II

Reference Sources

(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
State Agencies			
California State Archives 1020 East O Street Sacramento, CA 92415-0795	Staff	916-653-2246	No Information
California State Library 914 Capital Mall Library and Courts Building Sacramento, CA 94237-0001	Brent Murphy	916-654-0069	No Information
California State University San Bernardino Library 5500 University Parkway San Bernardino, CA 92407-2397	Staff	909-880-5084	No Information
California State Library 914 Capital Mall Library and Courts Building Sacramento, CA 94237-0001	John Gonzales	916-654-0176	No Information
SHPO, Eastern Information Center Department of Anthropology University of California Riverside, CA 92521	Kay White	909-787-5745	Information on Archeological and Historical Sites
University of California Riverside Library 900 University Drive Riverside, CA 92521	Gladys Murphy	909-787-3221	No Information

Reference Sources

(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
County Agencies			
Riverside County Assessor 4080 Lemon Street Riverside, CA 92510	Staff	909-275-6200	Real Estate Information
Riverside County Assessor-Blythe Branch 4100 County Center Blythe, CA 92225	Kathy Beckel	619-921-7888	No Information
Riverside County Historical Commission Library P.O. Box 3507 Riverside, CA 92519	Staff	909-275-4310	Referral
Riverside County Planning Department 79733 Country Club Drive Bermuda Dunes, CA 92201	Staff	619-863-8277	Referral
Riverside County Sheriff 260 North Spring Street Blythe, CA 92225	Detective Jim Dellis SGT Richard Dollarhide	619-921-7900	Negative Report Concerning OE
Riverside County Transportation and Land Management 4080 Lemon Street Riverside, CA 92510	Staff	909-358-5172	Referral

Reference Sources
(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
County Agencies (continued)			
Riverside County Coachella Imperial Irrigation District 160 North Broadway Blythe, CA 92225	Martin Sublett	619-921-7815	Referral
San Bernardino County Archives 777 East Rialto Avenue San Bernardino, CA 92415-0795	Jim Hoffer	909-387-2030	Background Information
San Bernardino Public Library 555 West 6th Street San Bernardino, CA 92410	Chris Shovey	909-381-8208	Background Information
Local Agencies			
Needles Public Library 111 Bailey Street Needles, CA 92363	Barbara Guhin	619-326-9255	Background Information
Palo Verde Valley District Library 125 West Chanslorway Blythe, CA 92225-1283	Phyllis Zamora	(619) 922-5371	Referral
Metropolitan Water District of Southern California 18520 La Sierra Street Riverside, CA 92503	Bob Readhimer	(909) 688-5672	Referral

Reference Sources

(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
Local Agencies (continued)			
Metropolitan Water District of Southern California P.O. Box 38 Parker Dam, CA 92267	Allen Preston	(619) 663-3521	Negative Report Concerning OE
Riverside City and County Public Library 3581 Mission Inn Avenue Riverside, CA 925017	William Swafford	909-782-5736 909-782-5736	Background Information
Coachella Valley Water District Highway 111 and 52 Avenue. Coachella, CA 92236	Joe Maddox	619-398-2651	No Information
NON-GOVERNMENT SOURCES			
National Agencies Scientific and Technical Information Library System 689 Discovery Drive Huntsville, Al 35806	Computer Search	205-922-9820	No Information
Knight-Ridder Information Inc 2440 El Camino Real Mountain View, CA 94040	Computer Search	800-334-2564	No Information
Online Computer Library Center 6565 Frantz Road Dublin, OH 43017-3395	Computer Search	800-848-5878	No Information

Reference Sources
(continued)

Organizations	Name	Telephone	Nature of Support
NON-GOVERNMENT SOURCES			
National Agencies (continued)			
Council On America's Past 518 Why Worry Lane Phoenix, AZ 85021	John Lynch	800-396-4693	Background Information
Northern Illinois Library System (NILS) 4034 East State Street Rockford, IL 61108	Computer Search	815-229-0330	No Information
11th Armored Division Association 2328 Admiral Street Aliquippa, PA 15001			No Information
3rd Armored Division Association University Archives, Room 191408 West Gregory Drive Urbana, IL 61081	Chris Pron	(217) 333-0798	No Information
6th Armored Division Association P.O. Box 5011 Louisville, KY 40205			No Information
Local Agencies			
General Patton Memorial Museum Chiriaco Summit, CA 92201	Carol Rector John Hoffman	619-227-3483	Historic Maps

Reference Sources

(continued)

Organizations	Name	Telephone	Nature of Support
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NON-GOVERNMENT SOURCES**Individuals**

Charlie Graham
155 North 8th Street
P.O. Box 271
Blythe, CA 92226

Local Resident

619- 922-3372

Referral

Dennis G. Casebier
P.O. Box #7
Essex, CA 92332-0007

Author and
Historian

619-733-4482

No Information

Fred Crozier
250 Paseo De Granda
Redondo Beach, CA 90277

Historian

310-378-8875

Referral

Joe Byers
1905 Luna Vista
Needles, CA 92363

Long Time Local
Resident

619-326-2726

Referral

Justin Rughe
P.O. Box 2216
Goleta, CA 93118

Author and
Historian

805-737-9536

Referral

Margit Rusche
Chiriaco Summit, CA 92201

Local Historian

619-227-3227
909-877-5077

Referral

Stanley Ragsdale, Sr.
44125 Highway 60
Desert Center, CA 92239

Life Long Resident

619-227-0022

Interview (I-1)

Reference Sources

(continued)

Organizations	Name	Telephone	Nature of Support
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NON-GOVERNMENT SOURCES

Individuals

Jim Capp
39955 Capp Road
Desert Center, CA 92239

long Time resident 619-227-3432

Interview (I-2)

Stanley Ragsdale, Jr.
44125 Highway 60
Desert Center, CA 92239

Life Long Resident 619-227-0022

Interview (I-3)

ORDNANCE AND EXPLOSIVE
ARCHIVES SEARCH REPORT
FOR
DESERT CENTER DIVISION CAMP
DESERT CENTER, CALIFORNIA
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APPENDIX B

REFERENCES AND ABSTRACTS

APPENDIX B

REFERENCES AND ABSTRACTS

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SECTION I	References and Abstracts
SECTION II	National Capitol Region Archive Search References
	Part A: Positive Reports
	Part B: Negative Reports
SECTION III	Regional National Archives Search References
	Part A: Positive Reports
	Part B: Negative Reports

APPENDIX B

REFERENCES AND/OR ABSTRACTS

- B-1. U.S. Army Corps of Engineers, Los Angeles District, "DERP-FUDS Inventory Project Report (INPR)", 12 September 1994 (E-1, E-2).
- B-2. U.S. Army Corps of Engineers, Rock Island District, "Archives Search Report, Camp Coxcomb", September 1996.
- B-3. National Oceanic and Atmospheric Administration, Climate of California, Revised June 1982.
- B-4. Bureau of Land Management, Palms Springs, CA, California Desert Conservation Area, Land Use Development, date unknown.
- B-5. United States Geological Survey, Data on Water Wells and Springs in the Chuckwalla Valley Area, May 1963.
- B-6. Bureau of Land Management, Riverside, CA, California Desert Conservation Area Plan, 1980.
- B-7. Fish and Wildlife Service, Carlsbad, CA, Letter "Request for Candidate, Proposed, Threatened, or Endangered Species for Riverside County, California (1-6-96-TA-050)", 27 November, 1995 (F-1).
- B-8. Eastern Information Center, Riverside CA, Letter, "Partial Cultural Resources Records Search", 18 January 1996.
- B-9. Blumenson, Martin, The Patton Papers, 1940-1945, 1974.
- B-10. Secretary of the Interior, Use Permit, 24 April 1942. Obtained from Corps of Engineers, Los Angeles District project files (F-2).
- B-11. U.S. Army Corps of Engineers, South Pacific Division, Map, "Real Estate-Desert Center Division Camp", 26 April 1949. Obtained from Corps of Engineers, Los Angeles District project files (G-1).

B-12. U.S. Army Corps of Engineers, "Realty Control File Summary" 16 January 1956. Obtained from USACE Office of History (G-2).

B-13. Southern Pacific Company and Corps of Engineers, "Agreement", 11 February 1942. Obtained from Corps of Engineers, Los Angeles District project files (G-3).

B-14. Office of the Chief of Engineers, Letter, "Land Acquisition, Desert Training Area, Needles, California", 13 May 1942. Obtained from Corps of Engineers, Los Angeles District project files (F-3).

B-15. Department of the Interior, Public Land Order No. 1, 20 June 1942. Obtained from NARA-Archives II, RG 48, Records of the Department of the Interior, Entry 749B: Central Classified Files, 1937-1953, Box 3321 (F-4).

B-16. Periodical, "Patton's Desert Training Center", December 1982 (F-5).

B-17. Listing of C-AMA Installations, circa 1944. Obtained from Corps of Engineers, Los Angeles District project files (F-6).

B-18. Army Service Forces, "Warning Notice", 1 April 1944. Obtained from NARA-Archives II, RG 77, Records of the Office of the Chief of Engineers, Entry 1011: Security Classified Subject Files, 1940-1945, Box 218 (F-7).

B-19. Under Secretary of War, Letter Relinquishing Land, 16 December 1944. Obtained from Corps of Engineers, Los Angeles District project files (F-8).

B-20. Office of Chief of Engineers, Letter Relinquishing Land, 19 April 1949. Obtained from Corps of Engineers, Los Angeles District project files (F-9).

B-21. Southern Pacific Company and Corps of Engineers, "Master Agreement", 12 March 1952. Obtained from Corps of Engineers, Los Angeles District project files (G-4).

B-22. Southern Pacific Company and Corps of Engineers, "Release", 18 January 1956. Obtained from Corps of Engineers, Los Angeles District project files (G-5).

B-23. U.S. Army Corps of Engineers, Training Map, 1942. Obtained from Patton Museum of Cavalry and Armor, Fort Knox, KY (L-1).

B-24. War Department, Map of Desired Area for Division Camp, circa 1942. Obtained from NARA-Archives II, RG 160, Records of the Army Service Forces. Entry 25: Director of Plans and Operations, Liaison and Control Branch, Subject File, 1942-1944, Box 4 (L-2).

B-25. Army Air Force and Chief of Engineers, Map of Desert Training Center Maneuver Area, 1943. Obtained from the General Patton Memorial Museum, Chiriaco Summit (L-3).

B-26. U.S. Army Corps of Engineers, Map of California-Arizona Maneuver Area, annotated with off limit areas and firing-bombing areas, 1943. Obtained from NARA-Archives I, RG 337, Records of the Headquarters, Army Ground Forces. Entry 55A: Project Decimal Files, 1942-1947, Box 1272 (L-4).

B-27. Department of the Interior, Plat Map of Township 5 South, Range 15 East, 1856 to circa 1962. Obtained from NARA-Pacific Southwest Region, RG 49, Records of the Bureau of Land Management, Plat Map Files by Township and Range (G-6 and G-7).

B-28. Department of the Interior, Plat Map of Township 5 South, Range 14 East, 1856 to circa 1962. Obtained from NARA-Pacific Southwest Region, RG 49, Records of the Bureau of Land Management, Plat Map Files by Township and Range (G-8 and G-9).

B-29. Department of the Interior, Plat Map of Township 4 South, Range 15 East, 1856 to circa 1962. Obtained from NARA-Pacific Southwest Region, RG 49, Records of the Bureau of Land Management, Plat Map Files by Township and Range (G-10 and G-11).

B-30. Headquarters, California-Arizona Maneuver Area, Letter "Ordnance Plan", 9 February 1944. Obtained from NARA-Archives II, RG 112, Records of the Surgeon General. Entry: Historical Unit Medical Detachment, Records Used for Preparing World War II Era Medical Histories, Box 365 (F-10).

B-31. U.S. Army Corps of Engineers, Los Angeles District, Map, California-Arizona Maneuver Area, Dedudding Program, October 1951. Obtained from Corps of Engineers, Los Angeles District project files (L-5).

B-32. Swartz, Robert N., LTC (CE), "Affidavit", Recorded in Book 1632, Page 283, Official Records, Riverside, California, 20 September 1954. Obtained from Bureau of Land Management, Riverside (G-12).

B-33. Bureau of Land Management, Riverside, Letter Regarding Lands in Section 11, Township 5 South, Range 15 East, 6 March 1967. Obtained from Bureau of Land Management, Riverside (F-11).

B-34. U.S. Army Corps of Engineers, Los Angeles District Letter Regarding Lands in Section 11, Township 5 South, Range 15 East, 27 March 1967. Obtained from Bureau of Land Management, Riverside (F-12).

B-35. Bureau of Land Management, Riverside, Letter Regarding Lands in Section 15, Township 5 South, Range 15 East, 27 June 1967. Obtained from Bureau of Land Management, Riverside (F-13).

B-36. U.S. Army Corps of Engineers, Los Angeles District Letter Regarding Lands in Section 15, Township 5 South, Range 15 East, 13 July 1967. Obtained from Bureau of Land Management, Riverside (F-14).

B-37. U.S. Army Corps of Engineers, Map, Chuckwalla Mountains Quadrangle, 1:62,500, 1943. Obtained from the General Patton Memorial Museum, Chiriaco Summit (Plate 2).

B-38. U.S. Army Corps of Engineers, Map, Coxcomb Mountains Quadrangle, 1:62,500, 1943. Obtained from the General Patton Memorial Museum, Chiriaco Summit (Plate 2).

B-39. War Department, Small Arms, Light Field Mortars and 20-mm Aircraft Guns, TM 9-2200, 11 October 1943 (D-1).

B-40. Departments of the Army and Air Force, Military Explosives, TM 9-1910, TO 11A-1-34, 14 April 1955.

- B-41. E. I. Du Pont de Nemours, Inc., Blasters' Handbook, 1939 (D-2).
- B-42. U.S. Army Corps of Engineers, Huntsville Division, "Archives Search Report Procedural Document", June 1994.
- B-43. U.S. Army Corps of Engineers, Huntsville Division, "Archives Search Report Procedural Document", June 1994.
- B-44. Department of the Army, Environmental Protection and Enhancement, AR 200-1, 23 April 1990.
- B-45. U.S. Army Corps of Engineers, Huntsville Division, "Management Plan for Ordnance and Explosive Waste (OEW) Mandatory Center of Expertise (MCX) and Design Center" CEHND 1105-3-9, 19 August 1992.
- B-46. U.S. Army Corps of Engineers, Rock Island District, "CENCR Management Plan for Ordnance and Explosive Waste Investigations", dated 20 July 1992, with revisions dated 10 March 1995 and 23 June 1995.
- B-47. U.S. Army Corps of Engineers, Rock Island District, "Site Safety Plan for Ordnance and Explosive Waste", 25 June 1992 with appendix A-152, dated 19 August 1996.

SECTION II
NATIONAL CAPITOL REGION ARCHIVES FINDINGS
PART A
POSITIVE FINDINGS

DESERT CENTER DIVISION CAMP, CA

***CENTER OF MILITARY HISTORY
WASHINGTON, DC***

Historical Research Branch

Posts, Camps, and Stations - WWII Vol. IV (D)
Data Sheet, Desert Center Division Camp, 1943-1944

228.01 HRC 331, Posts - Desert Training Center
Background Data and Map, Desert Training Center, California - Arizona
Maneuver Area, 1942-1944

Historical Data Card - Post, Camp, Station, or Airfield
California - Arizona Maneuver Area, Desert Training Center

***NARA - ARCHIVES I
WASHINGTON, DC***

RG 337 (Records of the Headquarters, Army Ground Forces)

Entry 29C: General Staff, G-3 Section, Training Group, Troop Training Division,
Maneuvers, Special Projects & Ammo Branch, Desert Training Center, 1942-1947
Box 112
Short History and Description, California - Arizona Maneuver Area, 1942-1943

Entry 29C: General Staff, G-3 Section, Training Group, Troop Training Division,
Maneuvers, Special Projects and Ammo Branch, Desert Training Center, 1942-1947
Box 112
Rolled Map, Desert Training Center, 14 June 1943

Entry 55A: Project Decimal Files, 1942-1947

Box 1272

Rolled Map, California - Arizona Maneuver Area Firing and Bombing Ranges,
1942-1943

Entry 55A: Project Decimal Files, 1942-1947

Box 1275

Correspondence Relative to Training and Test Ammunition, Desert Training
Center, May 1944

Entry 55A: Project Decimal Files, 1942-1947

Box 1277

Memorandum Relative to Discontinuation of California - Arizona Maneuver
Area, 24 February 1944

***NARA - ARCHIVES II
COLLEGE PARK, MD***

RG 48 (Records of the Department of the Interior)

Entry 749B: Central Classified Files, 1937-1953

Box 3221

Correspondence Relative to Withdrawal of Public Lands for Use by Desert Center
Division Camp, March-June 1942

RG 77 (Records of the Office of the Chief of Engineers)

Entry 1011: Security Classified Subject Files, 1940-1945

Box 218

Memorandum Relative to Status of Construction, California - Arizona Maneuver
Area, October 1943

Entry 1011: Security Classified Subject Files, 1940-1945

Box 218

Memorandum Relative to Evacuation of California - Arizona Maneuver Area,
17 February 1944

Entry 1011: Security Classified Subject Files, 1940-1945

Box 218

Memorandum Relative to Evacuation of California - Arizona Maneuver Area,
7 March 1944

Entry 1011: Security Classified Subject Files, 1940-1945

Box 218

Memorandum Relative to Surplus Installations, California - Arizona Maneuver Area, April 1944

Entry 1011: Security Classified Subject Files, 1940-1945

Box 219

Memorandum Relative to Use of Portion of California - Arizona Maneuver Area for Bombing and Gunnery Range, 20 May 1944

RG 112 (Records of the Office of the Surgeon General)

Entry: Historical Unit, Medical Detachment - Records Used for Preparing World War II Era Medical Histories

Box 365

Plan for Chemical Warfare Service Evacuation, California - Arizona Maneuver Area, 7 February 1944

Entry: Historical Unit, Medical Detachment - Records Used for Preparing World War II Era Medical Histories

Box 365

Ordnance Material Evacuation Plan, California - Arizona Maneuver Area, 9 February 1944

RG 160 (Records of the Army Service Forces)

Entry 25: Director of Plans and Operations, Liaison and Control Branch, Subject File, 1942-1944

Box 4

Real Estate Map and Range Data, Desert Center Division Camp

Entry 25: Director of Plans and Operations, Liaison and Control Branch, Subject File, 1942-1944

Box 4

Letter Relative to Land Acquisition, California - Arizona Maneuver Area, 9 March 1942

***NARA - CARTOGRAPHIC BRANCH
COLLEGE PARK, MD***

AMS

V-V95-M

Map - Desert Training Center Maneuver Area

***NARA - MOTION PICTURE BRANCH
COLLEGE PARK, MD***

RG 111

File ADC/111LC

Box 177, Desert

Catalog Cards, Films, "Desert Training Center, IX Corps Maneuvers"

File ADC/111LC

Box 259, Maneuvers

Catalog Cards, Films, "Desert Training Center, IX Corps Maneuvers"

***NARA - STILL PICTURES BRANCH
COLLEGE PARK, MD***

RG 111-SC

Box 22

Signal Corps (6) Photos, Desert Training Center, Including Training Facilities,
Roads, and Utilities, 1942

***NARA - SUITLAND REFERENCE BRANCH
SUITLAND, MD***

RG 175 (Records of the Chemical Warfare Service)

Entry 1: Central Correspondence, 1936-1942

Box 274

Memorandum Relative to Chemical Ammunition Requirements, Desert Training
Center, August 1, 1942

***SMITHSONIAN NATIONAL AIR AND SPACE MUSEUM
WASHINGTON, DC***

Videodisc 3B-46123

Aerial View, Desert Center Division Camp Landing Field

***USACE OFFICE OF HISTORY
ALEXANDRIA, VA***

HQ Heliogram, Council on Abandoned Military Posts, No. 166, Nov-Dec 1984

Article

California - Arizona Maneuver Area, 1984

Military Files

I-10A-8

Newspaper Articles, Desert Training Center - California - Arizona Maneuver Area, 1984-1985

I-10A-8

Bureau of Land Management Interpretive Plan, Including Site History, for the Former Desert Training Center - California - Arizona Maneuver Area, 1985

I-10A-8

Bureau of Land Management Interpretive Plan, Including Site History, for the Former Desert Training Center - California - Arizona Maneuver Area, 1986

Real Estate Records

Realty Control File Summary

Desert Center Division Camp

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NATIONAL CAPITOL REGION ARCHIVES FINDINGS
PART B
NEGATIVE FINDINGS

DESERT CENTER DIVISION CAMP, CA

***LIBRARY OF CONGRESS
WASHINGTON, DC***

Geography and Map Division

***NARA - ARCHIVES I
WASHINGTON, DC***

RG 49 (Records of the Bureau of Land Management)
Entry 1515: Central Files (Division of Technical Programs - Range Staff), 1937-1955
Entry 1519: Records Relating to District Grazing Boundaries, 1935-1961

RG 69 (Records of the Work Progress Administration)
Entry: Central Files, 1935-1944
Entry: Civil Works Administration Central Files, 1931-1954
Entry: General Subject Series, National Defense Program, 1940-1946
Entry: FERA, New General Subject Series
Entry: WPA General Series, National Defense, 1940-1942

RG 135 (Records of the Public Works Administration)
Entry: Project Files

RG 153 (Records of the Office of the Judge Advocate General)
Entry: Reservations File, 1800-1950

RG 162 (Records of the Federal Works Agency)
Entry 7: Central Decimal Files, 1941-1949
Entry 21: Records of the War Public Works Program, 1941-1949

RG 407 (Records of the Adjutant General's Office, 1917-)
Entry: Army - AG Decimal File, 1940-1945

***NARA - ARCHIVES II
COLLEGE PARK, MD***

RG 22 (Records of the Bureau of Fish and Wildlife)

Entry 243: Cooperative Agreements with the Corps of Engineers, 1943-1962

RG 30 (Records of the Bureau of Public Roads)

Entry 54: Correspondence, 1941-1945

RG 57 (Records of US Geological Survey)

Entry 27: Correspondence and Related Records, 1906-1948

RG 70 (Records of the Bureau of Mines)

Entry 66: General Classified Files: General Correspondence, 1926-1952

RG 77 (Records of the Office of the Chief of Engineers)

Accession 51A-277: District Files, 1945

Accession 52A-40: Division Files, 1945

Accession 53A-132: Miscellaneous Files, 1945

Accession 58A-1076: Real Estate Files

Entry 18: Correspondence, 1789-1942

Entry 106B: General Correspondence, 1918-1945

Entry 1019: General Correspondence with Service Commands, 1918-1949

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

Entry 1890: General Correspondence (Subject File), 1936-1961

Entry 1890AA: Formerly Classified General Correspondence (Subject Files), 1936-1954

Entry 1892: Classified Geographic File, 1936-1945

Entry 1892A: General Correspondence (Geographic File), 1936-1945

RG 107 (Records of the Office of the Secretary of War)

Entry 102: Office, Administrative Assistant to the Secretary of War, Project Decimal File, 1943-January 1947

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

Entry 159: Special Assistant for Construction - MJ Madigan, Projects, 1940-1945

RG 111 (Records of the Office of the Chief Signal Officer)

Entry: Unclassified Central Decimal Files, 1941-1957

RG 112 (Records of the Office of the Surgeon General)

Entry 31: Geographic Series, 1938-1946

Entry 32: Geographic Series (Formerly Security Classified), 1938-1946

RG 160 (Records of the Army Service Forces)

Entry 27: Mobilization Division, Command Installation Branch, Correspondence File, 1942-1946

Entry 138: Readjustment Division, Central Decimal Files, 1943-1944

Entry 139: Readjustment Division, Central Decimal Files, 1943-1946

RG 165 (Records of War Department General and Special Staffs)

Entry 258: Installations Branch, Reports and Correspondence Relating to Construction, Utilization, and Disposal of Army Installations, 1944-1947

Entry 484D: Federal Works Agency Project Files, 1940-1946

RG 168 (Records of the Bureau of the National Guard)

Entry 344: State Decimal Files, 1941-1947

Entry 348: State Guard State Files, 1941-1949

RG 175 (Records of the Chemical Warfare Service)

Entry 2A: General Correspondence (Subject Series), 1942-1945

Entry 2B: Correspondence with the War Department and Other Government Agencies, Army Commands and Units, and Schools (Miscellaneous Series), 1942-1945

RG 207 (Records of the Housing and Home Finance Agency)

Entry 24: General National Housing Records, War Housing Program, 1942-1947

RG 218 (Records of the U.S. Joint Chiefs of Staff)

Entry: Series, 1942-1959, Geographic File

RG 269 (Records of the General Services Administration)

Entry 62: Real Property Disposal Case Files Transferred from the Farm Credit Administration, 1945-1953

RG 270 (Records of the War Assets Administration)

Entry 3: Office of Information, Subject Files, 1946-1959

RG 291 (Records of the Federal Property Resources Service)

Entry 5: Real Property Disposal Case Files, 1962

RG 319 (Records of the Army Staff)

Entry 47: Army Intelligence Project Decimal File, 1941-1945

***NARA - SUITLAND REFERENCE BRANCH
SUITLAND, MD***

RG 77 (Records of the Office of the Chief of Engineers)

Entry 391: Construction Completion Reports, 1917-1943

Entry 393: Historical Records of Buildings at Active Army Posts, 1905-1942

RG 156 (Records of the Office of the Chief of Ordnance)

Entry 36: General Correspondence, 1917-1941

Entry 39: Confidential Correspondence, 1917-1940

RG 175 (Records of the Chemical Warfare Service)

Entry 4: Secret & Confidential Central Correspondence, 1918-1942

RG 336 (Records of the Office of the Chief of Transportation)

Entry: Historical Program Files, 1940-1950

RG 338 (Records of U.S. Army Commands, 1942-)

Entry: Records of Posts, Camps and Stations

9th Service Command

Western Defense Command

RG 394 (Records of U.S. Army Continental Commands, 1920-1942)

Entry 296: General Correspondence of the Construction Division, 1916-1945

Entry 298: Historical Reports Relating to Post Planning, 1899-1945

RG 407 (Records of the Adjutant General's Office, 1917-)

Entry 427: WWII Operations Reports

***WASHINGTON NATIONAL RECORDS CENTER
SUITLAND, MD***

RG 77 (Records of the Office of the Chief of Engineers)

Accession A52-117

Accession A52-259

Accession A52-434

Accession 68A-1932

SECTION III
REGIONAL NATIONAL ARCHIVES FINDINGS
PART A
POSITIVE FINDINGS

DESERT CENTER DIVISION CAMP

***NARA, PACIFIC SOUTHWEST REGION
LAGUNA NIGUEL, CA***

RG 49, Records of the Bureau of Land Management
Box #1029
Memo, Subj: Contamination of Land by the Defense Agencies,
Apr 27 1962

Plat Map Files by Township and Range
Plat Maps

SECTION III
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NEGATIVE FINDINGS

DESERT CENTER DIVISION CAMP

NARA, PACIFIC SOUTHWEST REGION
LAGUNA NIGUEL, CA

RG 30, Records of the Bureau of Public Roads
All Entries
Nothing Found

RG 49, Records of the Bureau of Land Management
General Correspondence 1933-1964
Box #1
Nothing of Value to this ASR Found

Records Relating to Misc. Withdrawals and Restorations
1885-1964
Box #1
Nothing of Value to this ASR Found

RG 77, Records of the Office of the Chief of Engineers
All Entries
Nothing Found

RG 92, Records of the Quartermaster General
All Entries
Nothing Found

RG 111, Records of the Office of the Chief Signal Officer
Box #1
Nothing of Value to this ASR Found

RG 121, Records of the Public Building Service
All Entries
Nothing Found

RG 156, Records of the Chief of Ordnance
All Entries
Nothing Found

RG 219, Records of the Office of Defense Transportation
All Entries
Nothing Found

RG 270, Records of the War Assets Administration
All Entries
Nothing Found

RG 338, Records of U.S. Army Commands
All Entries
Nothing Found

**NARA, FEDERAL RECORDS CENTER
LAGUNA NIGUEL, CA**

RG 77, Records of the Office of the Chief of Engineers
Accession #077-70A1364
Boxes #1,2
Nothing of Value to this ASR Found

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

All Accessions
Nothing Found

**NARA, FEDERAL RECORDS CENTER
SAN BRUNO, CA**

RG 77, Records of the Office of The Chief of Engineers
Accession #077-76L1483
Boxes #115-121,123-125,127-130,137-145
Nothing of Value to this ASR Found

RG 121, Records of the Public Building Service
Accession #121-77-0003
Boxes #1,3-8,10-17,1A-5A
Nothing of Value to this ASR Found

RG 269, General Records of the General Services Administration
All Entries
Nothing Found

RG 291, Records of the Federal Property Resources Service
All Entries
Nothing Found

***NARA, PACIFIC SIERRA REGION
SAN BRUNO, CA***

RG 30, Records of the Bureau of Public Roads
All Entries
Nothing Found

RG 49, Records of the Bureau of Land Management
Series #98
Box #1015
Nothing of Value to this ASR Found

Series #98A
Boxes #1098G-1098J (5 Boxes)
Nothing of Value to this ASR Found

RG 77, Records of the Office of the Chief of Engineers
All Entries
Nothing Found

RG 92, Records of the Office of the Quartermaster General
All Entries
Nothing Found

RG 121, Records of the Public Buildings Service
Accession #9NSS-121-85-009
Box #13
Nothing of Value to this ASR Found

RG 156, Records of the Office of the Chief of Ordnance
All Entries
Nothing Found

RG 219, Records of the Office of Defense Transportation
All Entries
Nothing Found

RG 269, General Records of the General Services Administration
All Entries
Nothing Found

RG 270, Records of the War Assets Administration
All Entries
Nothing Found

RG 291, Records of the Federal Property Resources Service
All Entries
Nothing Found

RG 338, Records of U.S. Army Commands
All Entries
Nothing Found

RG 406, Records of the Federal Highway Administration
Accession #72A1388
Box #9
Nothing of Value to this ASR Found

California FAP Route Reports 1920-1969
Boxes #3-6
Nothing of Value to this ASR Found

ORDNANCE AND EXPLOSIVE
ARCHIVES SEARCH REPORT
FOR
DESERT CENTER DIVISION CAMP
DESERT CENTER, CALIFORNIA
PROJECT NUMBER J09CA034201

APPENDIX C

GLOSSARY

APPENDIX C

GLOSSARY

AR	Army Regulation
BD	Building Demolition or Base Detonating
BD/DR	Building Demolition/Debris Removal
CEHNC	Corps of Engineers, Huntsville Center
CESPL	Corps of Engineers, South Pacific Division, Los Angeles District
CENCR	Corps of Engineers, North Central Division, Rock Island District
COE	Corps of Engineers
CON/HTRW	Containerized Hazardous, Toxic, and Radioactive Waste
CPT	Captain
CWM	Chemical Warfare Material
DA	Department of the Army
DERP	Defense Environmental Restoration Program
DOD	Department of Defense
EE/CA	Engineering Evaluation/Cost Estimate
EOD	Explosive Ordnance Disposal
EPA	Environmental Protection Agency
FDE	Findings and Determination of Eligibility
FUDS	Formerly Used Defense Sites
GYSGT	Gunnery Sergeant
HTRW	Hazardous, Toxic and Radiological Waste
HTW	Hazardous and Toxic Waste
INPR	Inventory Project Report
IRP	Installation Restoration Program
M	Model
MK	Mark
MSG	Master Sergeant
NARA	National Archives Records Administration
OE	Ordnance and Explosives
PA	Preliminary Assessment
PN	Project Number
QASAS	Quality Assurance Specialist (Ammunition Surveillance)
RD/RA	Remedial Design/Remedial Action
RG	Record Group
SAB	Same As Before
SFC	Sergeant First Class
SI	Site Investigation or Site Inspection
SIOAC-ES	Army Material Command Ammunition Center- Explosive Safety
USA	U.S. Army
USACE	U.S. Army Corps of Engineers
USADACS	U.S. Army Defense Ammunition Center and School
USAEDH	U.S. Army Engineer Division, Huntsville
USATCES	U.S. Army Technical Center for Explosives Safety

UXO
WD

Unexploded Ordnance
War Department

ORDNANCE AND EXPLOSIVE
ARCHIVES SEARCH REPORT
FOR
DESERT CENTER DIVISION CAMP
DESERT CENTER, CALIFORNIA
PROJECT NUMBER J09CA034201

APPENDIX D

TEXTS/MANUALS

APPENDIX D

TEXTS/MANUALS

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D-1 Cartridge, Caliber .45 (B-39).

D-2 Commercial Black Powder Can (B-41).

SMALL ARMS, LIGHT FIELD MORTARS, AND 20-MM AIRCRAFT GUNS

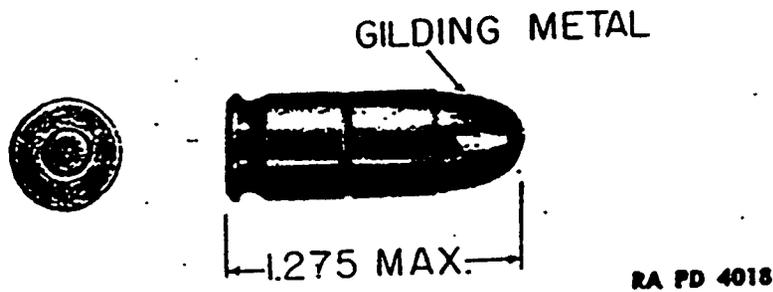


Figure 106—CARTRIDGE, Ball, Cal. .45, M1911

113. CARTRIDGE, BALL, CAL. .45, M1911.

	Grains
a. Weight:	
Complete round	322
M1911 Alternative	310
Bullet:	
Complete	234
M1911 Alternative	231
Jacket	317
M1911 Alternative	34
Slug	(Average) 196
Case	87
M1911 Alternative	78
Primer	(Average) 4
Propellant	5
	Inches
b. Length:	
Complete	(Average) 1.27
Bullet:	
Complete round	(Average) 0.67 in.
Slug	0.656
Case:	
Over-all	0.89
Headspace	0.898
Head thickness	(Minimum) 0.153
	Inches
c. Diameter:	
Bullet	(Average) 0.450
Slug	0.411
Jacket wall thickness	0.016

AMMUNITION

	Inches
Case:	
Wall thickness at head	0.028
Wall thickness at mouth	0.009
Head	0.48

d. Miscellaneous:

Powder space	0.058 cu in.
Ballistic coefficient	0.112 lb per sq in.
Boat-tailing of base	None
Length of ogive	0.401 in.
Base of bullet to origin of rifling	0.30 in.
Muzzle velocity (5-in. barrel)	830 ft per sec
Muzzle velocity (10.5-in. barrel)	920 ft per sec
Normal pressure	17,000 lb per sq in.
Maximum range (5-inch barrel)	1,600 yd
Maximum range (10.5-inch barrel)	1,700 yd

References

SNL T-2

Drawing No. B503 (complete round)

Drawing No. B136799 (bullet)

Specification No. 50-2-4C

TM 9-1900

TM 9-1990

ACTION OF EXPLOSIVES

COMMERCIAL explosives are solids or liquids that can be instantaneously converted by friction, heat, shock, sparks or other means into large volumes of gas. While the conversion of explosives into gas is much quicker than converting water into steam, it is essentially similar. There is no magic about explosives. When fired or exploded, they simply change into another form, largely gaseous, having many times greater volume. This increased volume exerts both a blow and pressure on the confining material. It is this action that is effective in blasts. The pressure acts equally in all directions but the gas tends to escape through the path of least resistance, or the easiest way out. All explosives, in this respect, act in exactly the same manner, and therefore, no matter what explosive is used, loading and tamping must be done very carefully in order to confine the gas so that it will be forced to work upon the material to be blasted.

For performing his work the blaster has to consider the choice of explosives; supplies for firing the explosives used; methods of preparing bore holes; and methods of loading and firing.

In choosing explosives the selection may be made from:

(1) Blasting powder, (2) pellet powder and (3) high explosives, which include all of the dynamites, gelatins, and permissible explosives.

BLASTING POWDER

The oldest and most widely known explosive is blasting powder, which is a black material, prepared in grains closely resembling fine lumps of high-grade coal. This is a deflagrating explosive, that is, it is fired by ignition and the gases are generated progressively as the burning spreads through the charge. Blasting powder is manufactured in two grades: "A" and "B." The "A" powder contains saltpeter or potassium nitrate, and is slightly more moisture resistant, stronger and quicker than "B" powder, which contains nitrate of soda instead of the saltpeter. In both powders, the other ingredients are sulphur and charcoal. The difference in composition makes "A" powder much more expensive than "B" powder. For this reason "A" powder is but little used, except in certain classes of difficult blasting, as in quarrying fine dimension stone. "B" Blasting Powder is used to some extent in quarrying stone, especially where the material is desired in large blocks for breakwaters and jetties; in stripping, where material is not too hard; in coal mines that are non-gaseous, and in general excavating in light ground where a slow, heaving action is desired and where the work is dry.

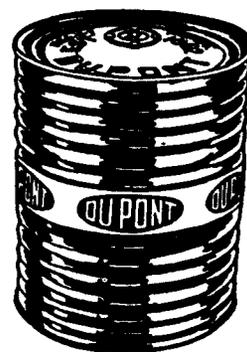


Fig. 1.—25-pound keg of du Pont Blasting Powder.

ORDNANCE AND EXPLOSIVE
ARCHIVES SEARCH REPORT
FOR
DESERT CENTER DIVISION CAMP
DESERT CENTER, CALIFORNIA
PROJECT NUMBER J09CA034201

APPENDIX E
REPORTS/STUDIES

APPENDIX E

REPORTS/STUDIES

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- E-1 DERP FUDS INPR (Project No. J09CA034201) FDE (B-1).
- E-2 DERP FUDS INPR (Project No. J09CA034201) Project
Summary Sheet (B-1).

DEFENSE ENVIRONMENTAL RESTORATION PROGRAM
FORMERLY USED DEFENSE SITES
FINDINGS AND DETERMINATION OF ELIGIBILITY

DESERT CENTER DIVISION CAMP
DESERT CENTER, CALIFORNIA
SITE NO. JQ9CA034200

FINDINGS OF FACT

1. The Desert Center Division Camp consisted of a total of 34,000 acres, acquired through transfer and permit. On 24 April 1942, the Department of the Interior transferred 16,400 acres by Use Permit to the War Department. The War Department acquired an additional 12,960 acres from the Department of the Interior by Public Land Order (P.L.O.) No. 1 dated 20 June 1942. The 4,640 acres in lessor interests were acquired through a permit agreement between the United States and the Southern Pacific Company, dated 11 February 1942.
2. The Desert Center Division Camp was used by the U.S. Army for maneuver purposes and campsites. The installation included an encampment area with temporary housing structures, an evacuation hospital, and a maneuver area associated with the surrounding Desert Training Center.
3. The entire site was declared surplus in 1944. The 12,960 acres covered under P.L.O. No. 1 were relinquished back to the Department of the Interior on 16 December 1944, and revoked by P.L.O. No. 342 dated 13 January 1947. The Use Permit for 16,400 acres was relinquished and retransferred to the Department of the Interior in 1949. When this acreage was relinquished, all government improvements had been removed and no additional restoration was considered necessary. Furthermore, the lands were examined and found to be clear of explosives or explosive objects reasonably possible to detect by visual inspection. Permit acreage was due to be returned to the Southern Pacific Company, but that action was suspended on 12 March 1952 pending the completion of dedudding and clearance activities. On 16 January 1956 the permit for 4,640 acres was terminated. The release document contained the provision that in receipt of the sum of one dollar and other valuable considerations, the Southern Pacific Company remitted, released and forever discharged the United States of America from all manner of actions, liability, and claims against the United States, particularly arising out of the said agreement and the occupation by the United States of the property. Approximately 28,700 acres of the former Desert Center Division Camp are currently under the control of the Bureau of Land Management. Approximately 5,300 acres are under private ownership and devoted to mining and grazing uses. A small portion of the Colorado River Aqueduct passes through the southern portion of the site.

DETERMINATION

Based on the foregoing Findings of Fact, it has been determined that this site was formerly used by the Department of Defense (DOD). It is therefore eligible for the Defense Environmental Restoration Program - Formerly Used Defense Sites, established under 10 USC 2701 et seq.

12 Sep 94
DATE

DE P. H. Col
for MILTON HUNTER

Brigadier General, US Army
Commanding

FOR
DERP-FUDS SITE NO. J09CA034200
DESERT CENTER DIVISION CAMP
11 FEBRUARY 1994

SITE NAME: Desert Center Division Camp

LOCATION: The Desert Center Division Camp site is located in an undeveloped region of Riverside County, California, north and west of Desert Center, California. Desert Center Division Camp is located within 74S, R15E (San Bernardino Meridian), Sections 1-5, a portion of 6 and 7, 8-15, 17, a portion of 18, 22, a portion of 31, and 32-34; T5S, R14E, Sections 25-35; T5S, R15E, a portion of Section 2, Sections 3-10, a portion of 11 and 15, 17-21, 28-32, and 34-35.

SITE HISTORY: In January 1942, the success of the German Army in North Africa led the U.S. War Department to focus U.S. Army training in an area with a desert terrain and environment. On 5 February 1942, the Chief of Staff, General Headquarters, approved of a Desert Training Center and designated General George S. Patton as the Center's Commanding General. The total maneuver area encompassed 12 million acres in Southern California and Western Arizona area, making it the largest training ground in the U.S. Close to a million troops trained in this area between 1942 and 1944.

Within the organization of the Desert Training Center (DTC), the Desert Center Division Camp was established as one of the several divisional camps. The transferred area consisted of 16,400 acres acquired by Use Permit from the Department of the Interior on 24 April 1942, and 12,960 acres acquired by Public Land Order (P.L.O.) No. 1 dated 20 June 1942. The 4,640 acres lesser interests (one permit) were acquired through an agreement between the United States and the Southern Pacific Company, dated 11 February 1942.

The Desert Center Division Camp was used by the Army for maneuver purposes and campsites. The installation included an encampment area with temporary structures used for housing and an evacuation hospital, as well as the associated maneuver area used for personnel training. There is no record of firing ranges on the site.

By March 1943, the North Africa Campaign was in its final stages and the primary mission of the DTC changed. By the middle of 1943, the troops who originally came for desert training maneuvers, were now deployed worldwide. Therefore, to reflect that change in mission, the name of the Center was changed to the California-Arizona Maneuver Area (CAMA). The CAMA was to serve as a Theater of Operations to train combat troops, service units and staffs under conditions similar to those which might be encountered overseas. The CAMA was enlarged to include both a Communications Zone and Combat Zone, approximately 350 miles wide and 250 miles long.

Toward the end of 1943, the need for service units for overseas duty increased dramatically, leaving little or no support for the CAMA. Without service unit support, commanders made the decision in January of 1944 to suspend operation of the CAMA. The entire CAMA was declared surplus on 30 March 1944 and the Army formally announced that the CAMA was to be closed by 1 May 1944.

The Desert Training Center site was declared surplus on 16 March 1944. The 12,960 acres under P.L.O. No. 1 were relinquished back to the Department of the Interior on 16 December 1944, and revoked by P.L.O. No. 342 dated 13 January 1947. The Use Permit for 16,400 acres was relinquished and retransferred to the Department of the Interior in 1949. The relinquishment of the Use Permit for 16,400 acres provided that all government improvements were removed and restoration was not deemed necessary. It further stated that the lands were examined and found to be clear of explosives or explosive objects reasonably possible to detect by visual inspection. The disposal of lands under the agreement between the U.S. and Southern Pacific Company was suspended on 12 March 1952 pending deduinding and clearance for return to the Southern Pacific Company. On 16 January 1956 the agreement for 4,640 acres was terminated. The release document contained the provision that in receipt of the sum of one dollar and other valuable considerations, the Southern Pacific Company remitted, released and forever discharged the United States of America from all manner of actions, liability, and claims against the U.S., particularly arising out of the said agreement and the occupation by the U.S. of the property.

Activities on the CAMA nominally continued until the 1950's while equipment and materials were collected and shipped and decontamination squads searched out and destroyed unexploded ordnance.

Little remains of the former site except for evidence of cleared areas thought to be the site of an evacuation hospital and a few rock alignments which could be associated with roadways. Approximately 28,700 acres of the former Desert Center Division Camp are currently under the control of the Bureau of Land Management. Approximately 5,300 acres are under private ownership and devoted to mining and grazing uses. A small portion of the Colorado River Aqueduct passes through the southern portion of the site.

SITE VISIT: The site was visited on 20 October 1993 by Ron Kepford and David Eckstein of Ebasco Environmental, Santa Ana, California. Since military facilities appear to have been removed from the site, and the site returned to an undeveloped condition, no on-site point of contact was established.

CATEGORY OF HAZARD: OEW.

PROJECT DESCRIPTION: Recommend that the MCX for OEW at Huntsville Division make a final OEW determination if further action is appropriate.

AVAILABLE STUDIES AND REPORTS: A real estate file was found at the Real Estate Division, Los Angeles District, U.S. Army Corps of Engineers. Real estate documents, aerial photographs, and other information was obtained at the Needles Branch of San Bernardino County Public Library. Extensive personal interviews were conducted with Mr. John Lynch of the Council on America's Military Past. Other reports includes "Iron Mountain Divisional Camp, Resource Management Plan" by the U.S. Department of the Interior, Bureau of Land Management, 1984; "Desert Training Center, California-Arizona Maneuver Area, Interpretive Plan", by U.S. Department of the Interior, Bureau of Land Management, 1986; "Patton's Desert Training Center" by Lynch, Kennedy and Wooley, Council on America's Military Past, 1982; and "The Desert Training Center and CAMA, Study No. 15", by Sgt. Sidney L. Meller, Historical Section--Army Ground Forces, 1946.

DISTRICT POC: Jatin Desai, Los Angeles District, (213) 894-6266

ORDNANCE AND EXPLOSIVE
ARCHIVES SEARCH REPORT
FOR
DESERT CENTER DIVISION CAMP
DESERT CENTER, CALIFORNIA
PROJECT NUMBER J09CA034201

APPENDIX F

LETTERS/MEMORANDUMS/MISCELLANEOUS ITEMS

APPENDIX F

LETTERS/MEMORANDUMS/MISCELLANEOUS ITEMS

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United States Department of the Interior

FISH AND WILDLIFE SERVICE

Ecological Services
Carlsbad Field Office
2730 Loker Avenue West
Carlsbad, California 92008

November 27, 1995

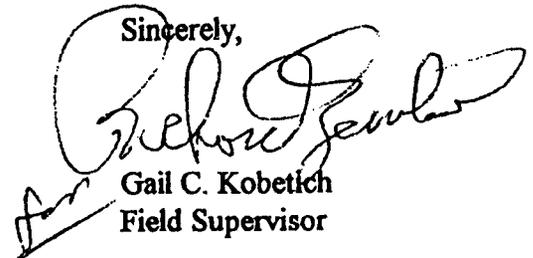
Ms. Shirley Daniels
Attn: Sioac-ESL
USADACS
Savannah, Illinois, 61074-9639

RE: Request for Candidate, Proposed, Threatened, or Endangered Species for Riverside County, California (1-6-96-TA-050)

This letter is in response to your request, dated November 24, 1995, for information on species of concern that occur within the referenced area. We are providing a list of endangered, threatened, and proposed species which may be present within the referenced area.

If you have any questions regarding this species list contact Shawnetta Grandberry of my office at (619) 431-9440.

Sincerely,



Gail C. Kobetich
Field Supervisor

Listed Endangered, Threatened
and Candidate Species that May Occur in
Riverside County, California

November 27, 1995

Common Name	Scientific Name	Status
<u>Listed Species</u>		
<u>AMPHIBIANS</u>		
arroyo southwestern toad	<u>Bufo microscaphus californicus</u>	E
desert slender salamander	<u>Batrachoseps aridus</u>	E
<u>BIRDS</u>		
American peregrine falcon	<u>Falco peregrinus anatum</u>	E
↳ bald eagle	<u>Haliaeetus leucocephalus</u>	E
brown pelican	<u>Pelecanus occidentalis</u>	E
least Bell's vireo	<u>Vireo bellii pusillus</u>	E
↳ peregrine falcon	<u>Falco peregrinus</u>	E
southwestern willow flycatcher	<u>Empidonax traillii extimus</u>	E
Yuma clapper rail	<u>Rallus longirostris yumanensis</u>	E
Aleutian Canada goose	<u>Branta canadensis leucopareia</u>	T
coastal California gnatcatcher	<u>Polioptila californica californica</u>	T
<u>CRUSTACEANS</u>		
Riverside fairy shrimp	<u>Streptocephalus woottoni</u>	E
vernal pool fairy shrimp	<u>Branchinecta lynchii</u>	E
<u>FISH</u>		
bonytail chub	<u>Gila elegans</u>	E

Common Name	Scientific Name	Status
Colorado squawfish	<u>Ptychocheilus lucius</u>	E
desert pupfish	<u>Cyprinodon macularius</u>	E
Mojave tui chub	<u>Gila bicolor mohavensis</u>	E
razorback sucker	<u>Xyrauchen texanus</u>	E
unarmored threespine stickleback	<u>Gasterosteus aculeatus williamsoni</u>	E
<u>INSECTS</u>		
Delhi Sands flower-loving fly	<u>Rhaphiomidas terminatus abdominalis</u>	E
<u>MAMMALS</u>		
Stephens' kangaroo rat	<u>Dipodomys stephensi</u> (includes <u>D. cactus</u>)	E
<u>REPTILES</u>		
Coachella Valley fringed- toed lizard	<u>Uma inornata</u>	T
desert tortoise (Mojave Desert population)	<u>Gopherus agassizii</u>	T
<u>PLANTS</u>		
slender-horned spineflower	<u>Dodecahema leptoceras</u>	E
Santa Ana River woolly- star	<u>Eriastrum densiflorum ssp. sanctorum</u>	E
Parish's daisy	<u>Erigeron parishii</u>	E
San Diego button celery	<u>Eryngium aristulatum var. parishii</u>	E
California Orcutt grass	<u>Orcuttia californica</u>	E

Common Name	Scientific Name	Status
<u>Proposed Species</u>		
<u>AMPHIBIANS</u>		
California red-legged frog	<u>Rana aurora draytoni</u>	PE
<u>INSECTS</u>		
Quino checkerspot butterfly	<u>Euphydryas editha quino</u>	PE
<u>MAMMALS</u>		
peninsular bighorn sheep	<u>Ovis canadensis cremnobates</u>	PE
<u>REPTILES</u>		
flat-tailed horned lizard	<u>Phrynosoma mcalli</u>	PT
<u>PLANTS</u>		
Munz's onion	<u>Allium munzii</u>	PE
Coachella Valley milk-vetch	<u>Astragalus lentiginosus var. coachellae</u>	PE
triple-ribbed milk-vetch	<u>Astragalus tricarinatus</u>	PE
San Jacinto Valley crownscale	<u>Atriplex coronata var. notatior</u>	PE
Nevin's barberry	<u>Berberis nevinii</u>	PE
Parish's meadowfoam	<u>Limnanthes gracilis var. parishii</u>	PE
thread-leaved brodiaea	<u>Brodiaea filifolia</u>	PT
Vail Lake ceanothus	<u>Ceanothus ophiochilus</u>	PT
prostrate navarretia	<u>Navarretia fossalis</u>	PT
<u>Candidate Species</u>		
<u>INSECTS</u>		
greenest tiger beetle	<u>Cicindela tranquebarica viridissima</u>	CI

Common Name	Scientific Name	Status
<u>MAMMALS</u>		
San Bernardino Merriam's kangaroo rat	<u>Dipodomys merriami parvus</u>	C1
<u>PLANTS</u>		
Johnston's rock cress	<u>Arabis johnstonii</u>	C1
sticky-leaved dudleya	<u>Dudleya viscida</u>	C1
Little San Bernardino Mountains gilia	<u>Gilia maculata</u>	C1
San Bernardino blue grass	<u>Poa atropurpurea</u>	C1
Hidden Lake bluecurls	<u>Trichostema austromontanum ssp. compactum</u>	C1

- E: Endangered**
T: Threatened
PE: Proposed Endangered
PT: Proposed Threatened
C1: Category "1" candidate for listing; taxa for which the Service has substantial information to support listing as threatened or endangered.

C
O
P
Y

THE SECRETARY OF THE INTERIOR
WASHINGTON

Grant B

APR 24 1942

USE PERMIT

My dear Mr. Secretary:

Further reference is made to your letter of March 19, requesting the transfer to the War Department of control over certain lands in the State of California for camp sites, designated as the Base Camp, Desert Center Division Camp, Iron Mountain Division Camp, and Needles Division Camp.

The records of this Department show that the following lands were withdrawn by the Secretary of the Interior on June 4, 1930, March 26, 1931, August 28, 1931, October 16, 1931, and August 19, 1932 for reclamation purposes:

Desert Center Division Camp

- T. 5 S., R. 14 E., S.B.M., secs. 26, 28, 30, 32, 34
- T. 4 S., R. 15 E., secs. 1 to 15, inclusive, 17, 18, 22, 30 to 34, inclusive.

The permission herein granted for the use of such lands shall not include those portions of secs. 6 and 7, T. 4 S., R. 15 E., lying west of the Aqueduct, which lands were included in the Joshua Tree National Monument by Proclamation No. 2193 of August 10, 1936, nor any lands lying within 50 feet from the center line of the Aqueduct, and shall be subject to valid existing rights including rights-of-way for roads, transmission lines, aqueduct, pole lines, highways, and tunnels, a desert land entry embracing all of sec. 34, T. 4 S., R. 15 E., and to a withdrawal by the Executive Order of May 17, 1927 of portions of secs. 28 and 32, T. 5 S., R. 14 E., for a proposed water conduit.

Iron Mountain Division Camp

- T. 1 S., R. 17 E., secs. 1, 2, 11, 12, 21 to 28, inclusive, SE $\frac{1}{4}$ sec. 29, E $\frac{1}{2}$ sec. 32, and sec. 33.
- T. 1 S., R. 18 E., all except secs. 16 and 36 which are State school lands.
- T. 1 N., R. 18 E., secs. 19, 20, 29 to 32, inclusive.

The permission herein granted for the use of such lands shall be subject to valid existing rights, including rights-of-way for transmission lines, camp dump, aqueducts, diagonal drain, road, tunnel, camp site, transmission lines, aggregate deposits and roads.

Needles Division Camp

T. 6 N., R. 22 E., secs. 1, 2, 11, 12.

T. 9 N., R. 22 E., secs. 2, 3, 4, 8, 10, 11, 14, 15, 22, 23,
26, 27, 34, 35.

T. 7 N., R. 23 E., secs. 1 to 4, inclusive, 9 to 12, inclusive,
15, 21.

T. 8 N., R. 23 E., secs. 6, 7; $8\frac{1}{2}$ sec. 8; that portion of sec.
9 lying west of Colorado River; secs. 18, 20, 27, 28;
 $e\frac{1}{2}$, SW $\frac{1}{4}$ sec. 30; secs. 31, 32, 34, 35.

T. 9 N., R. 23 E., NE $\frac{1}{4}$ sec. 32.

The permission herein granted for the use of such lands shall be subject to valid existing rights, including State school lands, railroad lands, patented lands, rights-of-way for reservoir, transmission lines, highways, quarry sites, withdrawals of public lands and lands to be acquired for wildlife purposes by Executive Order No. 8647 of January 22, 1941, Air Navigation Site Withdrawal No. 121 of June 11, 1938, and to power site classifications.

Permission is hereby granted to the War Department to use and occupy the above-described lands for camp sites and maneuver purposes for a period of five years, or for the duration of the present national emergency, whichever shall be the greater. Pursuant to this permission, no entries under the mining laws affecting these lands will be allowed without first taking the matter up with your Department. In addition to the valid rights mentioned there may be mining locations not of record in this Department.

I have this day transmitted to the President, through the usual channels, a draft of an Executive order withdrawing for the use of the War Department those lands in the four areas described by you which are not withdrawn for reclamation purposes. A copy of the proposed order and of my letter to the President are enclosed.

Sincerely yours,

/s/ HAROLD L. ICKES
Secretary of the Interior.

Hon. Henry L. Stimson,
Secretary of War.

Enclosure 2843734.

COPY

Consecutive RE-D 959
May 13, 1942

WAR DEPARTMENT
OFFICE OF THE CHIEF OF ENGINEERS
WASHINGTON

Refer to File No. CE 601.1(Needles, Calif.)
SPELA

May 13, 1942

SUBJECT: Land Acquisition, Desert Training Area, Needles,
California.

TO: The Commanding General of the Services of Supply.

1. There is a military necessity for the acquisition by transfer from the Department of Interior of certain lands in the vicinity of Needles, California, to be used as a desert training area for armored troops. Although the War Department has received a permit from the Department of Interior to use several million acres in this area, 105,901.27 acres are necessary for camp sites and must be transferred to the jurisdiction of the War Department. The transfer is essential in order to prohibit the filing of land claims in the area for the duration. Inclosed is a copy of the proposed Executive Order described the lands to be withdrawn and transferred.

2. The determination of military necessity is based upon conclusions reached in several conferences between this office, the Army Ground Forces, and the Department of Interior.

3. It is recommended that the Under Secretary of War be requested to authorize this office to acquire the necessary land by transfer from the Department of Interior.

FOR THE CHIEF OF ENGINEERS:

THOMAS M. ROBINS,
Major General,
Assistant Chief of Engineers.

2 Incls.

#1 - Cy. ltr. #24-42

#2 - Executive Order

* FOR INFORMATION ONLY *

190042 "K"

Richard
Richard
Harmon
Spiegel
Disher
Johnson
Bergman
William
Edwards
App. Sol. Off.
Chapman

To Secretary
JUN 17 1942
For Signature

UNITED STATES DEPARTMENT OF THE INTERIOR

PUBLIC LAND ORDER # 1

WITHDRAWING PUBLIC LANDS FOR USE OF THE WAR DEPARTMENT
FOR CAMP SITES AND MANEUVER PURPOSES

CALIFORNIA

INTERIOR DEPT.
SECRETARY'S
MAIL CENTER
JUN 18 1942
TO SOLICITOR

INTERIOR DEPT.
RECEIVED
JUN 18 1942
SOLICITOR

FROM SOLICITOR
JUN 18 1942
FOR SIGNATURE

By virtue of the authority vested in the President and pursuant to Executive Order No. 9116 of April 24, 1942, it is ordered as follows:

The public lands in the following-described areas are hereby withdrawn, subject to valid existing rights, from all forms of appropriation under the public-land laws, including the mining laws, and reserved for the use of the War Department for camp sites and maneuver purposes:

San Bernardino Meridian

T. 6 S., R. 10 E.,

secs. 6, 11, 18, 20, 22, 24;

T. 6 S., R. 11 E.,

sec. 11;
sec. 18, Lots 1 to 12, inclusive, SE $\frac{1}{4}$;
secs. 20, 22, 24;

T. 6 S., R. 12 E.,

secs. 18, 20, 22, 28, 30;

T. 5 S., R. 15 E.,

sec. 8, Lots 1 and 2 of NW $\frac{1}{4}$, SW $\frac{1}{4}$;
secs. 3 to 10, inclusive;
sec. 11, NE $\frac{1}{4}$, SW $\frac{1}{4}$;
sec. 15, NE $\frac{1}{4}$;
secs. 17 and 18;

INTERIOR DEPT.
RECEIVED
JUN 18 1942
ASSISTANT
SECRETARY

INTERIOR DEPT.
RECEIVED
JUN 20 1942
FIRST ASSISTANT
SECRETARY

copy to War Department,
Fish and Wildlife Service,
National Park Service,
Bureau of Reclamation.

COPY FOR SECRETARY'S OFFICE

T. 5 S., R. 15 E., cont'd.

sec. 19, lots 1 and 2 of NW $\frac{1}{4}$, NE $\frac{1}{4}$;
secs. 20, 21, 28, 29, 30, 32, 34, 35, partly
unsurveyed;

T. 1 S., R. 17 E.,

secs. 6, 7, 15, 14, 18, 19, 20, partly unsurveyed;
sec. 29, NE $\frac{1}{4}$, SW $\frac{1}{4}$;
secs. 30, 31;
sec. 32, W $\frac{1}{2}$ NW $\frac{1}{4}$;

T. 2 S., R. 18 E.,

secs. 1 to 12, inclusive, partly unsurveyed;

T. 1 N., R. 18 E.,

secs. 1 to 18, inclusive, 21 to 28, inclusive,
33 to 36, inclusive, unsurveyed;

T. 7 N., R. 22 E., All;

T. 8 N., R. 22 E.,

secs. 3, 4, 7 to 10, inclusive, 13 to 36, inclusive;

T. 7 N., R. 23 E.,

secs. 5 to 8, inclusive, 17 to 20, inclusive,
30, 31;

T. 9 N., R. 23 E.,

sec. 31;
sec. 32, 8 $\frac{1}{2}$.

The areas described, including both public and non-
public lands; aggregate 105,901.27 acres.

This order shall be subject to (1) the Executive Order
of May 17, 1927 withdrawing certain lands for a proposed
water conduit, and (2) Power Site Classification No. 55
approved by the Secretary of the Interior June 22, 1923, so
far as such orders affect any of the lands described herein.

This order shall take precedence over, but shall not rescind or revoke (1) the Executive Order of April 17, 1926 creating Public Water Reserve No. 107, (2) Executive Order No. 5902 of August 18, 1932 creating Public Water Reserve No. 145, (3) Executive Order No. 6361 of October 25, 1933 withdrawing certain lands for classification and pending determination of the advisability of reserving lands for national monument purposes, and (4) Executive Order No. 6910 of November 26, 1934, as amended, withdrawing public lands in California and other states for classification and other purposes, so far as such orders affect any of the lands described herein.

It is intended that the lands described herein shall be returned to the administration of the Department of the Interior when they are no longer needed for the purposes for which they are reserved.

(Sgd.) E. K. BURLEW

6-13-ced

Acting Secretary of the Interior.

JUN 20 1942

COMBAT ZONE C-AMA	COVERED BY REAL ESTATE RELEASE LETTER	GOVERNMENT INSTALLATION & EQUIPMENT LOCATED AT SITE	LETTERS AT- TACHED HERE- TO FOR FINAL REPORT
1. <u>Araby</u>			
a. Access road	X	None	
b. Depots & Camp sites	X	X	X
c. Water point	X	None	
2. <u>Busse</u>			
a. Camp site	X	X	X
b. Water point	X	None	
3. <u>Cadis - Railway siding</u>	X	None	
4. <u>Calipatri</u>			
a. Camp site	X	None	
b. Railway siding	X	None	
5. <u>Coxcomb - Division Camp site</u>	X	X	X
6. <u>Darty</u>			
a. Camp site	X	None	
b. Railway siding	X	None	
7. <u>Datsela - Class III Depot</u>	X	None	
8. <u>DeWitt</u>			
a. <u>DeWitt Hospital</u>	X	X	X
b. <u>DeWitt Camp</u>	X	X	X
c. <u>DeWitt Camp site</u>	X	X	X
d. <u>DeWitt Camp site</u>	X	X	X
9. <u>Essex - Division Camp site</u>	X	X	X
10. <u>Yenser</u>			
a. Railhead	X	X	X
b. Well		X	X
11. <u>Freda Railhead & Camp site</u>	X	X	X
12. <u>Olania Railway siding</u>	X		
13. <u>Orffa</u>			
a. <u>Orffa Camp site</u>	X	None	
b. <u>Orffa Railway siding</u>	X	X	X
c. <u>Orffa Camp site</u>	X	X	X

COMBAT ZONE C-AMA	COVERED BY REAL ESTATE RELEASE LETTER	GOVERNMENT INSTALLATION & EQUIPMENT LOCATED AT SITE	LETTER AT- TACHED HERE- TO FOR FINAL REPORT
14. <u>Granite, Division Camp site</u>	X	X	X
15. <u>Hopkins well - Water point</u>	X	None	
16. <u>Horn - Division Camp site</u>	X	X	X
17. <u>Hyder - Division Camp site</u>	X	X	X
18. <u>High - Division Camp site</u>	X	X	X
19. <u>Iron Mountain - Camp site</u>	X	X	X
20. <u>Laguna - Camp site</u>	X	X	X
21. <u>Needles</u>			
a. Depots & Camp sites	X	X	X
b. Evacuation hospital		X	X
22. <u>Ogilby, Railway siding</u>	X		
23. <u>Pilot Knob - Division camp site</u>	X	None	
24. <u>Steval - Evacuation Hospital site</u>	X	None	
25. <u>Wiley Well - Water point</u>	X	None	
26. <u>Yuma</u>			
a. Depots & Camp sites	X	X	X
b. Rail Transportation Office	X	X	X
27. <u>Yuma</u>		None	
28. <u>Eagle Mountain Road - Medical Camp.</u>		None	
29. <u>Palen Pass - Defensive Area</u>		(Covered in separate report)	
30. <u>18th Ordnance Camp site</u> (5 miles east of Desert Center)		X	X
31. <u>AAA Gunnery Range</u> (Opposite Coxcomb)		None	

COPY

The Honorable,

The Secretary of the Interior.

Dear Mr. Secretary:

I am in receipt of your letter dated 28 October 1944, relating to the Public Land Order No. 1, dated 20 June 1942 withdrawing approximately 105,901.27 acres of land in the State of California for use by the War Department in connection with the California-Arizona Maneuver Area.

It has now been determined that the military necessity no longer exists for use of said land.

It is requested that you take the necessary action to return said land to the Department of the Interior.

Sincerely yours,

ROBERT P. PATTERSON,
Under Secretary of War.

WINGER-77714

DOCKETS

16 DEC 1944

*Relinquishment
TRACT A.*

F-8

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602 California-Arizona Maneuver Area,
(Desert Center Division Camp), ENGLI
California.

19 April 1949

Director,
Bureau of Land Management,
Department of Interior,
Washington, D.C.

*Relinquishment.
TR. B.*

Dear Sir:

Reference is made to letter permit from the Secretary of Interior to the then Secretary of War dated 24 April 1942, authorizing this Department to use the following lands in connection with the California-Arizona Maneuver Area, (Desert Center Division Camp), California:

SBB&M - Riverside County, California

T. 5 S., R. 14 E., Sections 26, 28, 30, 32, 34
T. 4 S., R. 15 E., Sections 1 to 15, inclusive, 17, 18, 22,
30 to 34, inclusive

All comprises 17,280 acres, more or less. Land is located approximately 10 miles East of Shavers Summit, off of California State Highway 60-70.

The aforementioned lands are no longer required and the use thereof is hereby relinquished. All Government improvements have been removed and restoration of the land is not deemed necessary. The lands have been examined and have been found to be clear of explosives or explosive objects reasonably possible to detect by visual inspection.

Your cooperation in making these lands available is appreciated.

FOR THE CHIEF OF ENGINEERS:

Sincerely yours,

W. H. HASTINGS
Colonel, Corps of Engineers,
Assistant Chief of Engineers for Real Estate

HEADQUARTERS CALIFORNIA-ARIZONA MANEUVER AREA
Office of the Ordnance Officer
APO 183, Los Angeles, California

9 February 1944.

MEMO TO: Commanding General

SUBJECT: Ordnance Plan.

1. AMMUNITION.

a. Ammunition Depot #3, YUMA, closed 1 February. Excess ammunition being inspected for return to ASF Depots. 569th Ordnance Ammunition Company released to Special Troops Headquarters. A Detachment of 640th Ordnance Ammunition Company is at Yuma to handle details of shipment.

b. Ammunition Depot #4, GOFFS, will close as soon after 15 February, as possible. Excess ammunition will be inspected, week of 7 February. Wanted ammunition moved by truck to Depot #1. After shipment of excess ammunition out of C-AMA, 670th Ordnance Ammunition Company will move to Desert Center to assist in clearing excess in Depot #1 (including Maneuver ammunition).

c. Ammunition Depot #1, DESERT CENTER, to remain open as long as ammunition is needed by combat troops. Evacuation of excess to start after completion of Maneuver.

d. Maneuver ammunition to be turned in to Depot #1 upon completion of maneuver, and evacuated from CAMA at once. Inspection has been requested. 670th Ordnance Ammunition Company can be released when ammunition in CAMA falls to less than 500 tons. (Est. 1 April).

e. Simulated ammunition will be piled in designated localities for future disposition, unserviceable material to salvage, or destroyed.

2. MAINTENANCE.

a. Battalion control, at YUMA, GOFFS, AND CAMP YOUNG, for operating companies. (Normal operations, service to troops).

b. Units involved, and dates of release shown on separate report forms for each area.

c. Combat Zone.

(1) Perform Technical Inspection on all vehicles now on hand, and immediately on receipt of vehicles turned in by troops. (This has been done at Goffs).

SUBJECT: Ordnance Plan. Cont'd.

- (2) Evacuate at once direct to Pomona all uneconomically repairable, 5th and 4th echelon jobs in that order.
- (3) Requisition all parts required for 2nd and 3rd echelon. Evacuate such of these jobs as require parts which are not available in C-AMA.

NOTE: Above items to complete not later than 1

- (4) For March.
- (4) Perform all 3rd echelon jobs in Battalion units, in addition to normal service to troops. Estimated 1500 jobs at possible production rate of 60-70 for three Battalions. Completion date set for 15 March, but will depend on fluctuation of vehicle load. Should complete from a week to 10 days earlier.
- (5) Vehicles in (4) above to be shipped out as fast as they can be made RFI and issued to departing units authorized to take excess. Vehicles not so evacuated will be transferred to Pomona so as to eliminate excess pools by April 1st.

d. Palm Village.

- (1) Obtain authority from ASF to ship to service commands all economically repairable vehicles which cannot be placed "serviceable for training" prior to 15 April and evacuate to such designated points by that date. (Approximately 3500 vehicles involved.)
- (2) Continue repairs as possible to increase RFI line for issues to departing troops. Evacuate balance to Pomona starting 15 April.
- (3) Upon completion of items c(2) and c(3), Evacuation units will be transferred to Palm Village for purpose indicated in c(3). Should complete by 1 April.

e. Pomona.

Evacuation of vehicles from Pomona is included in general plan to the following extent, during period ending 1 May.

- (1) Evacuation of specific types, in various states of repair, as called for by ASF is in progress and will continue.
- (2) Issue of serviceable items to departing troops will continue to provide room for evacuation into Pomona as indicated heretofore.

f. Vehicles turned in by units moving MEE will be processed through nearest Army Depot as provided in "C". above.

3. SURPLUS VEHICLES.

Evacuation of all surplus vehicle pools as rapidly as consistent with receipt of dispositions, or availability of evacuation means is in progress.

4. SURPLUS ARTILLERY.

a. Surplus Artillery weapons now in Palm Village have been released to Chief of Ordnance, Evacuation from CAMA is contingent upon receipt of disposition, clearance by consignees, and obtaining transportation. Completion by 1 April is expected.

b. Additional items received will be turned in through field depots to Palm Village for shipment from Indio unless other shipping point (e.g. Goffs) is more logical.

c. Individual controlled items will be evacuated direct to Pomona.

5. EXCESS SUPPLIES, SMALL ARMS AND PARTS.

a. Being classified, tagged, packed, and evacuated to Pomona. Shipments into combat zone will be limited to items immediately required by troops or by Ordnance units to accomplish program indicated herein.

b. Field depots will close on dates shown for release of Ordnance Depot Companies involved. By this time units will be able to move to new location, or to evacuate all remaining supplies with organic van equipment. (Hoffs - 15 March, Yuma - 1 April, Young - 1 May).

6. LIMITATIONS.

The above plan is contingent upon the following factors.

a. Prompt receipt of dispositions for shipments out of CAMA.

b. Availability of rail transportation when required.

c. Availability of all Ordnance units in primary missions shown, until release dates furnished to G-4.

D. G. MCGREGOR
Col., Ord, Dept.,
Ordnance Officer.



UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT
District and Land Office
1414 University Avenue, Box 723
Riverside, California 92502

IN REPLY REFER
R. 431 (26.C
R 03379 (75
2230 (R)

Your Refere
SPLVR (CAHA

MAR 6 1967

District Engineer
Los Angeles District
Corps of Engineers
U. S. Department of the Army
P. O. Box 2711
Los Angeles, California 90053

Dear Sir:

We are writing in regard to lands contaminated by explosives within the California-Arizona Maneuver Area. A petition-application has been filed in this office by the Desert Center Unified School District, Eagle Mountain, California. The District has applied for the $S\frac{1}{2}SW\frac{1}{4}$ of Section 11, T. 5 S., R. 15 E., SBM., California for school sites under the provisions of the Recreation and Public Purposes Act of June 14, 1926, as amended.

According to the information submitted by your office on September 23, 1954, all of section 11, T. 5 S., R. 15 E., SBM., was used by the Department of the Army as an artillery range and bombing area in connection with maneuver training during the period of April 1942 through April 1946. You also advised us that certain lands, including section 11, had been visually inspected and cleared of all explosive materials reasonably possible to detect, but because unexploded mines, bombs, shells, and other missiles might still remain, that the lands should be restricted to surface use only.

Before we act upon the Desert Center Unified School District's petition-application, we would appreciate knowing if there has been any subsequent inspection of section 11, T. 5 S., R. 15 E., by the Corps of Engineers and whether the lands are still considered to be contaminated and restricted to surface use only.

Sincerely yours,

Hall H. McClain
Manager

F-11



DEPARTMENT OF THE ARMY
 LOS ANGELES DISTRICT, CORPS OF ENGINEERS
 P. O. BOX 2711
 LOS ANGELES, CALIFORNIA 90053

IN REPLY REFER TO

SPLRM-(A)

RT	INT	DATE
DM	H. de	3-29-67
A&RS	W.A.	3-29
RESM	W.A.	3-29
ADW		
OP		
SEP		
CD		
HO		
ED		

Mr. Hall H. McClain
 Manager
 Bureau of Land Management
 United States Department of
 the Interior
 1414 University Avenue, Box 723
 Riverside, California 92502

Action
 Return to: _____

Dear Mr. McClain:

This has reference to your letter dated 6 March 1967, File Reference R. 431 (26.0) R 03379 (75.0) 2230 (R), concerning the status of Section 11, T. 5 S., R. 15 E., SBM.

Our records indicate that the area known as the Desert Center Division Camp, which included the above-noted Section 11, was examined in 1948 and certified clear for any use for which the land is suited. Subsequent to the filing of the affidavit on 20 September 1954, it was learned that certain lands, including subject Section 11, were included in the affidavit in error. At an early date, we will take action to remove the restriction from the official records.

Sincerely yours,

JOHN HOUSTON
 Chief, Management and Disposal Branch
 Real Estate Division

Wk
6

District and Land Office
1414 University Ave., Box 723
Riverside, California 92502

JUN 27 1967

Schuy
6-26

District Engineer
Los Angeles District
Corps of Engineers
United States Department
of the Army
P. O. Box 2711
Los Angeles, California 90053

Dear Sir:

The status records of this office show that all of sec. 15, T. 5 S., R. 15 E., SBM., is included in the California-Arizona Maneuver Area, an area contaminated by explosives. An application for right-of-way, embracing the $W\frac{1}{2}SW\frac{1}{4}$, sec. 15, has been filed in this land office by the Union Steel Company (formerly Kaiser Steel Company), for the purpose of a drainage levee to control storm water runoff.

According to letter from your office, dated September 28, 1954, certain lands, including sec. 15, were used as an artillery range and bombing area in maneuver training during the period of April 1942 through April 1946. The letter also indicates that the lands had been visually inspected and cleared of all explosive materials reasonably possible to detect, but because unexploded mines, bombs, shells and other missiles might still remain, the lands should be restricted to surface use only.

In order to further process the subject right-of-way application, it is necessary that we know if there has been any later inspection of the lands in section 15, T. 5 S., R. 15 E., SBM., and whether or not said land is yet considered contaminated and restricted to only surface uses. A report at your earliest convenience will be appreciated.

Sincerely yours,

H. H. McClain

Hall H. McClain
Manager

cc: R 03379 (75.0) case file
E. Brown

EBrown:cf:6/1/67



DEPARTMENT OF THE ARMY
LOS ANGELES DISTRICT, CORPS OF ENGINEERS
P. O. BOX 2711
LOS ANGELES, CALIFORNIA 90033

IN REPLY REFER TO
SPLVR-(C)

13 July 1967

Mr. Hall H. McClain, Manager
District and Land Office
Bureau of Land Management
Department of the Interior
1414 University Avenue, Box 723
Riverside, California 92502

Dear Mr. McClain:

This refers to your letter of 27 June 1967, your reference R 376 (17.0) 2234 (ADJ), concerning the condition of Section 15, Township 5 South, Range 15 East, San Bernardino Meridian, which is included in the former California-Arizona Maneuver Area.

A review of our records indicates that said Section 15 was certified clear for any use for which suited and is not in fact contaminated, as set forth in Affidavit recorded in the office of the County Recorder of Riverside County in Record Book 1632, page 283, on 21 September 1954. The restriction placed on the use of this land will be removed from the official records at an early date.

Sincerely yours,

A. D. Stanley
A. D. STANLEY
Chief, Real Estate Division

F-14

ORDNANCE AND EXPLOSIVE
ARCHIVES SEARCH REPORT
FOR
DESERT CENTER DIVISION CAMP
DESERT CENTER, CALIFORNIA
PROJECT NUMBER J09CA034201

APPENDIX G

REAL ESTATE DOCUMENTS

APPENDIX G

REAL ESTATE DOCUMENTS

Table of Contents

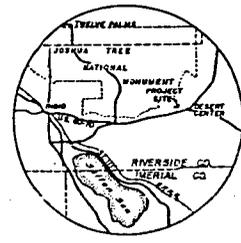
- G-1 Real Estate Map, 26 April 1949 (B-11).
- G-2 Realty Control File Summary" 16 January 1956 (B-12).
- G-3 Agreement between the Southern Pacific Company and the Corps of Engineers, 11 February 1942 (B-13).
- G-4 Master Agreement between the Southern Pacific Company and the Corps of Engineers, 12 March 1952 (B-21).
- G-5 Release from Agreement between the Southern Pacific Company and the Corps of Engineers, 18 January 1956 (B-22).
- G-6 Plat Map of Township 5 South, Range 15 East, 1856 to circa 1962 (B-27).
- G-7 Enlarged annotations from Plat Map of Township 5 South, Range 15 East, 1856 to circa 1962 (B-27).
- G-8 Plat Map of Township 5 South, Range 14 East, 1856 to circa 1962 (B-28).
- G-9 Enlarged annotations from Plat Map of Township 5 South, Range 14 East, 1856 to circa 1962 (B-28).
- G-10 Plat Map of Township 4 South, Range 15 East, 1856 to circa 1962 (B-29).
- G-11 Enlarged annotations from Plat Map of Township 4 South, Range 15 East, 1856 to circa 1962 (B-29).
- G-12 Affidavit Regarding OE Contamination in Section 11, Township 5 South, Range 15 East and Township 5 South and 14 East (B-32).

TRACT REGISTER OF ACQUISITION AFTER 1 JULY 1940

TRACT NO.	LAND OWNER	ACREAGE		REMARKS
		TRANS.	PERMIT	
A	DEPARTMENT OF INTERIOR	12,960.00		P.L.O. No 1 dated 20 June 1942.
B	DEPARTMENT OF INTERIOR	16,400.00		Use Permit dated 24 April 1942.
I	SOUTHERN PACIFIC COMPANY, A KENTUCKY CORPORATION.		4,640.00	ACRELEMENT dated 11 Feb. 1942.



STATE INDEX



VICINITY MAP
SCALE IN MILES

TYPE: FINAL

PROJECT OWNERSHIP MAP
AGENCY: DEPT. OF THE ARMY
STATE: CALIFORNIA

COUNTY: RIVERSIDE
DIVISION: SOUTH PACIFIC
DISTRICT: LOS ANGELES
SIXTH: ARMY AREA

LOCATION OF PROJECT
MILES W. OF DESERT CENTER
MILES OF

TRANSPORTATION FACILITIES
RAILROADS: SOUTHERN PACIFIC
STATE ROADS
FEDERAL ROADS: U.S. 60, 70
AIRLINES

ACQUISITION
TOTAL ACRES ACQUIRED: 34,000.00
ACRES FEE
ACRES TRANSFER TO WAR DEPT: 29,360.00
ACRES LEASED TO WAR DEPT.
ACRES LESSER INTERESTS: Pct. (I) 4,640.00

DISPOSAL
TOTAL ACRES DISPOSED OF: 34,000.00
ACRES SOLD BY WAR DEPT.
ACRES TRANSFER BY WAR DEPT.
ACRES RETRANSFER TO GOVT. AGCY: 29,360.00
ACRES LEASES TERMINATED
ACRES LESSER INT'S TERM: Pct. (I) 4,640.00

LEGEND
NOTE: USE SYMBOLS FROM FM-31-30 (WAR DEPT. BASIC FIELD MANUAL) PAGES 31 TO 37 INCL. EXCEPT

RESERVATION LINE:

RESERVATION LINE (Actual Survey):

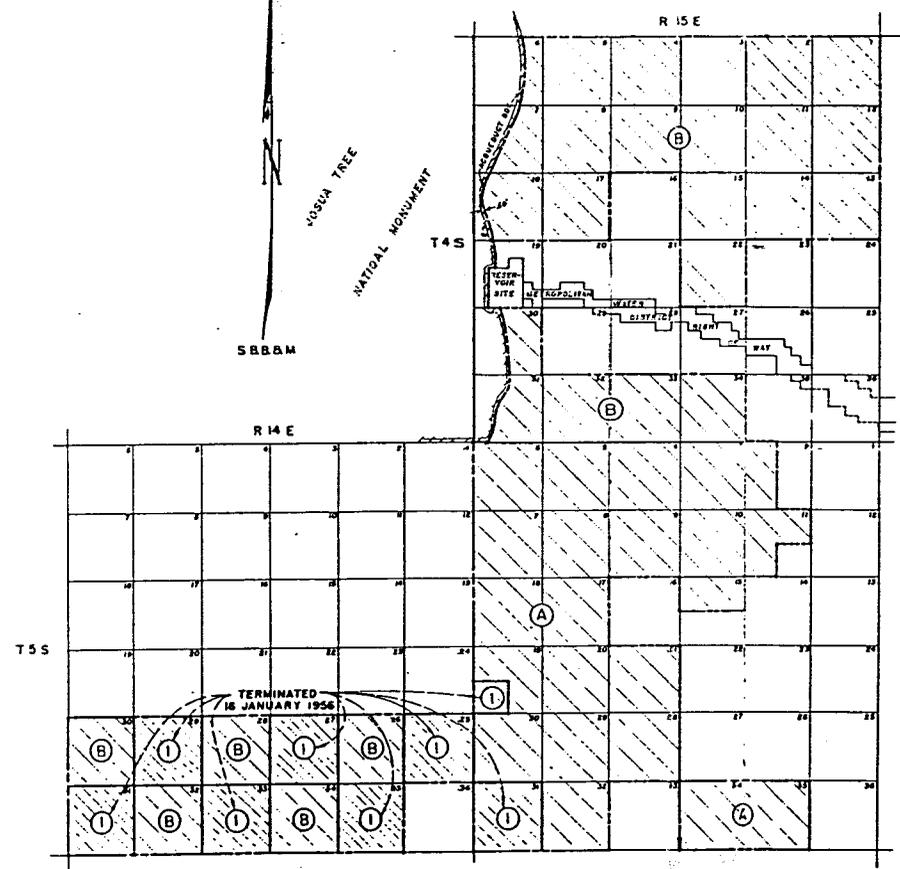
DAM SITE (Taking Line):

RESERVOIR SITE (Taking Line):

CONTOUR LINES:

AVIGATION EASEMENTS:

TRACT NUMBER: 99



ACQUISITION AUTHORIZATION
RE-0 959 Dated 13 May 1942.

REVISION	DATE	BY

CORPS OF ENGINEERS, U.S. ARMY
OFFICE OF THE DIVISION ENGINEER
SOUTH PACIFIC DIVISION

DRAWN BY: A.W.L.
CHECKED BY: A.W.L.
SUBMITTED BY: *[Signature]*
RECOMMENDED BY: *[Signature]*

REAL ESTATE
DESERT CENTER DIVISION CAMP
MILITARY RESERVATION

APPROVED BY: *[Signature]* DATE: 24 April 42
BRANCH: CHIEF OF ENGINEERS, WASHINGTON, D. C.

AUDITED 2591
DRAWING NO. 241-FP-12

USE PERMIT FOR 16,400.00 ACRES RETRANSFERRED TO DEPT. OF INTERIOR 25 MAY 1949
USE PERMIT FOR 16,400.00 ACRES RELINQUISHED TO DEPT. OF INTERIOR ON 19 APRIL 1949
P.L.O. NO.1 FOR 12,960.00 ACRES REVOKED BY P.L.O. NO. 342 DATED 13 JAN. 1947
P.L.O. NO. 1 FOR 12,950.00 ACRES RELINQUISHED TO DEPT OF INTERIOR, 16 DEC. 1944.

LA DISTRICT

REALTY CONTROL FILE SUMMARY
(Land Acquisitions and Disposals Subsequent to 1 July 1940)

RESERVATION NAME: 2591

Desert Center Division Camp, California

OFFICIALLY DESIGNATED BY:

LOCATION:

In Riverside County, 1 mile West of Desert Center, California

TYPE:

Maneuver Area

LAND OWNERSHIP AND COST DATA

ACQUISITION ACTIONS

Exhibits "A"

NET AREA

29,360.00 acres, transfer *
4,640.00 acres, permit (1)
 34,000.00 acres, total area acquired
 29,360.00 acres, **
4,640.00
4,640.00 acres ***
 0.00

DISPOSAL ACTIONS

Exhibits "B"

GROSS COST

-

JURISDICTION

Exhibits "C"

RELOCATIONS

FINAL PROJECT MAP:

Exhibit "F"

MISCELLANEOUS PAPERS:

REMARKS:

- * 16,400.00 acres acquired by Use Permit fr Dept. of Interior, 4-24-42.
 12,960.00 acres acquired by P.L.O. #1, fr. Dept. of Interior, 6-20-42.
- ** 12,960.00 acres P.L.O. #1, relinquished to Dept. of Interior, 12-16-44.
 P.L.O. #1, revoked by P.L.O. #342, 1-13-47.
 16,400.00 acres Relinquished to Dept. of Interior, 4-19-49, Retransferred
 to Dept. of Interior, 5-25-49.
- *** Terminated 16 January 1956.

. . . 4-10-42 . . .

THIS AGREEMENT, made and entered into this 11th
day of February, 1942, by and between the UNITED STATES
OF AMERICA, herein called the "United States", and SOUTHERN PACIFIC
COMPANY, a Kentucky corporation, herein called the "Company",

WITNESSETH THAT:

1. The Company hereby licenses and permits the United States during the life of this agreement, to enter upon and use, for any and all military purposes, the lands, rights of way and buildings not used or required for railroad purposes, forming a part of or appurtenant to the lines of railroad operated by the Company in the States of Oregon, California, Nevada, Utah, Arizona, Texas and New Mexico, and extending from San Francisco, California, to Portland, Oregon, from San Francisco, California, to Ogden, Utah, and from San Francisco, California, to El Paso, Texas, via Los Angeles, California, including all branches thereof.

2. This license shall not be deemed to give the United States the exclusive use of said property of the Company, except in cases where such exclusive use is deemed necessary by the United States because of military reasons, and subject to this qualification the property of the Company may be used in common by the United States, the Company and others having the lawful right to use said property. This license is further subject to leases, licenses, easements and other contracts and agreements which have heretofore or may hereafter be made between the Company and other parties affecting the property within the scope of this agreement.

3. No rental shall be charged by the Company for the use and occupation of any of its said property for said military purposes, but the United States agrees to pay for all public utility services supplied to it for use or consumption on the premises of the Company, such as water, light, heat, power, telephone and similar services.

4. The Company shall be under no obligation to make any additions, alterations or repairs to its property for use by the United States hereunder. The United States agrees to so use the proper-

ty of the Company as to effect the least possible interference with the railroad operations of the Company.

5. This agreement is made by the Company on its own behalf and on behalf of the following named companies which are wholly owned and controlled by the Company through stock ownership, and operate lines of railroad in the State of California, and shall include the lands, rights of way and buildings of said companies:

Holton Inter-Urban Railway
Northwestern Pacific Railroad Company
Pacific Electric Railway Company
Petaluma & Santa Rosa Railroad Company
San Diego and Arizona Eastern Railway Company
South San Francisco Belt Railway
Visalia Electric Railroad Company

6. This agreement shall continue in full force and effect until terminated by either party hereto giving thirty (30) days notice in writing to that effect to the other, in which event the United States agrees to vacate and surrender possession of all property of the Company, and to leave the premises in the same condition as that existing at the time of entering upon, reasonable and ordinary wear and tear and damages by the elements or by circumstances over which the United States has no control excepted.

7. All expenditures to be made by the Government under the provisions of this agreement shall be subject to appropriations being available for such purpose.

8. No member of or Delegate to Congress or Resident Commissioner shall be admitted to any share or part of this agreement or to any benefit to arise therefrom. Nothing, however, herein contained shall be construed to extend to any incorporated company, if the agreement be for the general benefit of such corporation or company.

IN WITNESS WHEREOF, the parties hereto have executed this

agreement in duplicate the day and year first hereinabove written.

SOUTHERN PACIFIC COMPANY,
By [Signature]
President.
Attest [Signature]
Assistant Secretary.

UNITED STATES OF AMERICA,
By [Signature]
R.B. Daugherty, Captain, Corps of Engineers, Contracting Officer

I, [Signature], certify that I am the
[Signature] Secretary of the corporation named as the
Company in the attached agreement; that [Signature],
who signed said agreement on behalf of the said Company, was then
[Signature] of said corporation; that said agree-
ment was duly signed for and in behalf of said corporation by
authority of its governing body, and is within the scope of its
corporate powers.

[Signature]
Assistant Secretary

Form Approved:
[Signature]
General Solicitor.



CERTIFICATE IN LIEU OF RELEASE

MASTER AGREEMENT

SOUTHERN PACIFIC COMPANY

I HEREBY CERTIFY:

1. That the Master Agreement was executed by the Southern Pacific Company, a Kentucky Corporation, to the Government on 11 February 1942, granting permission to use lands and rights-of-way of which the following is a part thereof:

Tract 1, Desert Center Division Camp - Audit No. 2591, described as Secs. 25, 27, 29, 31, 33, and 35, T-5-S, R-14-S; and SW $\frac{1}{4}$ of 19 and 31, T-5-S, R-15-E, all S.B. B. & M., containing 4,640 acres;

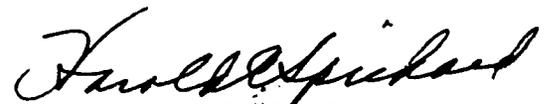
2. That the Southern Pacific Company will not accept this land until all land within the C.A.M.A. and Cadiz Lake areas have been dedudded and cleared for return to the Company;

3. That all the land will not be cleared for return to the Company for an indefinite period of time;

4. That it is desired to simplify Eng Form 836 Report.

5. It is recommended that the reporting on Eng Form 836 Report of the item set forth herein be suspended on and after 15 March 1952 until such time as the said areas are cleared for return to the Company and a final 836 Report can be made.

DATED this 12th day of March 1952.



HAROLD E. SPICKARD
Chief, Real Estate Division

Incl

G-4

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SAN FRANCISCO DISTRICT

Blanket Agreement
Dated 11 February 1942

RELEASE

WHEREAS, on the 11th day of February 1942, the SOUTHERN PACIFIC COMPANY, a corporation existing under and by virtue of the laws of the State of Kentucky, did license and permit the United States of America to enter upon and use, for any and all military purposes the lands, rights of way and buildings not used or required for railroad purposes, forming a part of or appurtenant to lines of railroad operated by the Southern Pacific Company in the States of Oregon, California, Nevada, Utah, Arizona, Texas, and New Mexico, and extending from San Francisco, California to Portland, Oregon, from San Francisco, California, to Ogden, Utah, and from San Francisco, California to El Paso, Texas, via Los Angeles, California, including all branches thereof; and

WHEREAS, the use of the aforesaid premises is no longer required by the United States of America and possession of all the said property having been redelivered to the Southern Pacific Company on the 16th day of January 1956.

NOW, THEREFORE, Know All Men By These Presents, that we, the Southern Pacific Company, for and in consideration of the sum of One Dollar and other valuable considerations, the receipt of which are hereby acknowledged, have remised, released, and forever discharged, and by these presents do for ourselves, our successors, and assigns, remise, release, and forever discharge the United States of America, its officers, agents, and employees of and from all manner of actions liability, and claims against the United States of America, its officers, agents, and employees which we or they ever had, now have, or ever will have upon, or by reason of any matter, cause, or thing whatsoever, particularly arising out of said agreement and the occupation by the United States of America of the aforementioned property

The foregoing shall not constitute a release from any contingent liability that may be established in any action by third parties against the undersigned.

IN WITNESS WHEREOF, we have caused these presents to be signed by our VICE-PRESIDENT attested by our ASSISTANT SECRETARY and our corporate seal to be hereto affixed this 18th day of January 1956.

Attest:

T. T. [Signature]
ASSISTANT SECRETARY

IN QUADRUPPLICATE

SOUTHERN PACIFIC COMPANY

By: [Signature]
Vice President

G-5

In unsurveyed portion APPLICATION FOR RIGHT OF WAY FOR TRANSMISSION LINE, Telephone Water Line filed by THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA, Oct 5, 1933 - 051571

In unsurveyed portion APPLICATION FOR RIGHT OF WAY FOR Road filed by THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA, MAY 15 1934 051979

In unsurveyed portion APPLICATION FOR RIGHT OF WAY FOR ROAD AND TRANSMISSION LINE JUN 28 1934 } THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA 052058

All lands except those lying within 50 ft. of center line of aqueduct in Secs 26, 28, 30, 32, 34. On Mar. 25, 1941 permission was granted to War Dept. to use these lands for a period of 5 years or for the duration, subject to valid existing rights and existing water rights. Reverted 5/28/49 - memo 1906942 ADLWK 6/6/49

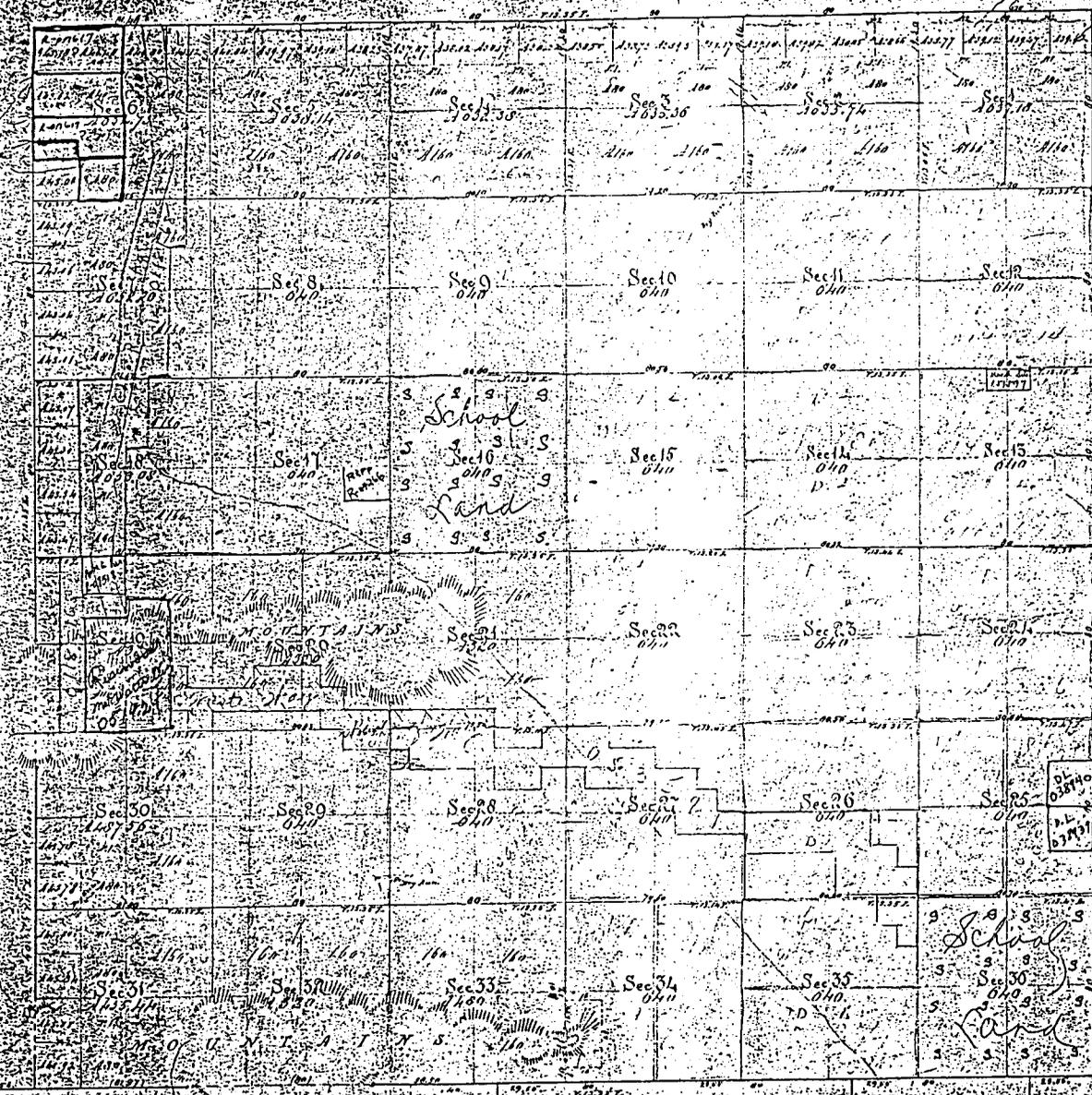
Aggregate Area of Public lands (Surveyed) 78,178.98 Ac
 Estimated " Mountain (not Surveyed) 15,194.02
 Aggregate 23,040.00

WARNING: (R63379)
 The following sections have been contaminated by explosives - Calif - Ariz. Maneuver Area (1942) for U.S. Army 3/1/51
 Secs 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34
 Dated by Corps of Engineers, Notice of 10-9-1967

Range 11, East (San Bernardino Meridian) is strictly conformable to file in this Office, which have been examined and approved

POST TO NEW RECORDS

NO CONTESTS ETC. ALLOWED PRIOR TO MAY 1, 1913, ON D. L. ENTRIES - A - JUNE 25, 1912
 NO CONTESTS ALLOWED PRIOR TO MAY 1, 1916, ON D. L. PROOFS IN DEFAULT, PRIOR TO MAY 1, 1915
 EXTENSION OF TIME GRANTED TO MAY 1, 1919



APPROVED FOR RIGHT OF WAY FOR THE CALIFORNIA RIVER AQUEDUCT BY THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

In some portions, application for Right of Way for Aqueduct, filed at 051571, approved by the Metropolitan Water District of Southern California, dated July 14, 1922.

All of the above lands were temporarily withdrawn by Executive Order, Oct. 25, 1933, pending location of National Movement, and were returned to public domain by Executive Order, Jan. 28, 1934, and were thereafter included in the National Monument, June 28, 1934, and were thereafter included in the National Monument, June 28, 1934, and were thereafter included in the National Monument, June 28, 1934.

Discontinued portion of the Right of Way for the California River Aqueduct, as shown on the map, and the following lands are hereby restored to entry, September 26, 1951.

ALL UNAPPROPRIATED LANDS IN THIS TOWNSHIP WITHIN THE ORDER OF NOV. 26, 1934, UNDER ACT OF JUNE 25, 1912, AND ACT OF NOV. 26, 1934, AS AMENDED.

Restored to entry - B.L.M. Order of June 26, 1947, numbered 1412447, 1412448, 1412449, 1412450, 1412451, 1412452, 1412453, 1412454, 1412455, 1412456, 1412457, 1412458, 1412459, 1412460, 1412461, 1412462, 1412463, 1412464, 1412465, 1412466, 1412467, 1412468, 1412469, 1412470, 1412471, 1412472, 1412473, 1412474, 1412475, 1412476, 1412477, 1412478, 1412479, 1412480, 1412481, 1412482, 1412483, 1412484, 1412485, 1412486, 1412487, 1412488, 1412489, 1412490, 1412491, 1412492, 1412493, 1412494, 1412495, 1412496, 1412497, 1412498, 1412499, 1412500.

Restored to entry - B.L.M. Order of June 4, 1930, numbered 1412447, 1412448, 1412449, 1412450, 1412451, 1412452, 1412453, 1412454, 1412455, 1412456, 1412457, 1412458, 1412459, 1412460, 1412461, 1412462, 1412463, 1412464, 1412465, 1412466, 1412467, 1412468, 1412469, 1412470, 1412471, 1412472, 1412473, 1412474, 1412475, 1412476, 1412477, 1412478, 1412479, 1412480, 1412481, 1412482, 1412483, 1412484, 1412485, 1412486, 1412487, 1412488, 1412489, 1412490, 1412491, 1412492, 1412493, 1412494, 1412495, 1412496, 1412497, 1412498, 1412499, 1412500.

Restored to entry - B.L.M. Order of June 4, 1930, numbered 1412447, 1412448, 1412449, 1412450, 1412451, 1412452, 1412453, 1412454, 1412455, 1412456, 1412457, 1412458, 1412459, 1412460, 1412461, 1412462, 1412463, 1412464, 1412465, 1412466, 1412467, 1412468, 1412469, 1412470, 1412471, 1412472, 1412473, 1412474, 1412475, 1412476, 1412477, 1412478, 1412479, 1412480, 1412481, 1412482, 1412483, 1412484, 1412485, 1412486, 1412487, 1412488, 1412489, 1412490, 1412491, 1412492, 1412493, 1412494, 1412495, 1412496, 1412497, 1412498, 1412499, 1412500.

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Section	Area (Acres)	Value
Sec 8	360.00	1050.00
Sec 9	360.00	1050.00
Sec 10	360.00	1050.00
Sec 11	360.00	1050.00
Sec 12	360.00	1050.00
Sec 13	360.00	1050.00
Sec 14	360.00	1050.00
Sec 15	360.00	1050.00
Sec 16	360.00	1050.00
Sec 17	360.00	1050.00
Sec 18	360.00	1050.00
Sec 19	360.00	1050.00
Sec 20	360.00	1050.00
Sec 21	360.00	1050.00
Sec 22	360.00	1050.00
Sec 23	360.00	1050.00
Sec 24	360.00	1050.00
Sec 25	360.00	1050.00
Sec 26	360.00	1050.00
Sec 27	360.00	1050.00
Sec 28	360.00	1050.00
Sec 29	360.00	1050.00
Sec 30	360.00	1050.00
Sec 31	360.00	1050.00
Sec 32	360.00	1050.00
Sec 33	360.00	1050.00
Sec 34	360.00	1050.00
Sec 35	360.00	1050.00

The above lands were temporarily withdrawn by Executive Order, Oct. 25, 1933, pending location of National Movement, and were returned to public domain by Executive Order, Jan. 28, 1934, and were thereafter included in the National Monument, June 28, 1934, and were thereafter included in the National Monument, June 28, 1934.

Sec 15
0410

Sec 2
0410

Sec 3
0410

Sec 8
30
40
G-11

In unsurveyed portion of Sec. 19
APPLICATION FOR RIGHT OF WAY FOR ROAD AND TRANSMISSION LINE JUN 28 1934 05 20 5 8 ad 1951

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA
ADJUSTED Oct 12 1934 Filed July 16 1934
APPLICATION FOR RIGHT OF WAY FOR THE COLORADO RIVER AQUEDUCT THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

In unsurveyed portion of Sec. 19
Approved Sept 14 1934 Filed July 20 1934 2057087 (ad 2187)

0118168 Colo. R. Aqueduct Land (the following lands are class. for non-agricultural use only)
ALL UNAPPROPRIATED LANDS IN THIS TOWNSHIP WITHDRAWN FOR CLASSIFICATION (TAYLOR GRAZING ACT) BY EXECUTIVE ORDER OF NOV. 26, 1934, UNDER ACT OF JUNE 25, 1918 (36 STAT. 847), AS AMENDED.
Secretary's action effective March 21, 1960 - see notice published in Federal Register April 22, 1960 R-258 Critical Township

All Secs. 1 to 15, incl. 17, 18, 22, 30 to 34, incl., except those within the Joshua Tree National Monument, and except those lying within 50 ft. of either line of Metropolitan Aqueduct. On Apr. 24, 1942, permission was granted to use these lands for 5 years, or 4 years duration, subject to valid existing rights and existing subdivisions.
X 6-7-42
Revoked 5/25/49, Memo 190642-616149, BLM, Wash., D.C.

* Restoration - BLM Order of June 26, 1947, revoked Sept. Order of June 4, 1930, et al. sections in Township - LD 11-26-47

* Opened to Application by Director's Order of Nov. 25, 1947, effective Jan. 28, 1948. 1413447 LD 11-26-47
Sept. Order of 6-4-30 revoked

Aggregate Area of Public Lands (surveyed) 21,121.81 Acres
Estimated Mountain (not surveyed) 1,782.20
Aggregate 22,904.01

Restored to entry - Sept. 26, 1951
Sec. 6 and 7, those parts west of aqueduct
right-of-way from watershed

DL 038940
D.L. 038939

A F F I D A V I T

STATE OF CALIFORNIA)
) SS
COUNTY OF LOS ANGELES)

I, Robert H. Swartz, Lt. Colonel, C. E., Executive Officer of
the Los Angeles District, Corps of Engineers, U. S. Army, being
first duly sworn on oath depose and say as follows:

THAT the land hereinafter described was a part of the California-
Arizona Maneuver Area:

Six parcels of land in the County of Riverside, State of
California, described as follows:

PARCEL 1:

Beginning at the Southeast corner of Township 1 South,
Range 15 East; thence South 7 miles along the prolongation
of the East line of said township and range; thence East
4 miles along a line parallel to the South line of said
township and range; thence North 7 miles along a line
parallel to the first above mentioned line; thence
Westerly in a direct line 4 miles more or less to the
point of beginning. (This entire parcel consists of
unsurveyed Government land.)

PARCEL 2:

Beginning at the Southeast corner of the above described
Parcel 1 and proceeding South in a direct line 1 mile
along the prolongation of the East line of said Parcel 1
to the true point of beginning; thence continuing South
along said line 4 miles; thence West in a direct line
running at right angles to the last above mentioned line
for a distance of 2 miles; thence North in a direct line
running parallel to the first above mentioned line for a
distance of 4 miles; thence East in a direct line 2 miles
more or less to the true point of beginning. (This entire
parcel consists of unsurveyed Government land.)

PARCEL 3:

Sections 2 through 11, inclusive, Sections 15, 17, 18, 20,
21, 28 and 35; also the North 1/2 and Southeast 1/4 of
Section 19, the Northeast 1/4 of Section 30 and the North
1/2 of Section 31, all in Township 5 South, Range 15 East.

Also the North 1/2 and the Southwest 1/4 of Section 24,
Township 5 South, Range 14 East.

PARCEL 4:

Section 29, Township 5 South, Range 14 East, Except Metropolitan Water District Right of Way; Kaiser Railroad Right of Way; Colorado River Acqueduct Right of Way.

Section 31, Township 5 South, Range 14 East, Except South 1/2 of Lot 2 and Metropolitan Water District Right of Way and Kaiser Railroad Right of Way.

Section 33, Township 5 South, Range 14 East, Except State Highway Right of Way.

PARCEL 5:

Sections 21, 22, 23, 26, 27, 29, 33, 34 and 35 all in Township 6 South, Range 12 East; also the North 1/2 of Section 3, Township 7 South, Range 12 East.

PARCEL 6:

Sections 25 through 36, inclusive, Township 6 South, Range 11 East; also Sections 30, 31 and the South 1/2 of Section 19, Township 6 South, Range 12 East.

THAT said parcels of land were used by the Department of the Army as artillery ranges and bombing areas in connection with maneuver training during the period April 1942 through April 1946.

THAT, although an attempt has been made to decontaminate and dud said areas, there may remain unexploded mines, bombs, shells and other missiles which might constitute a hazard to life, limb and property and hence said areas are considered to be dangerous for any purpose involving the use of said land below the surface area.

DATED this 20th day of September 1954.

Robert M. Swartz

ROBERT M. SWARTZ
Lt. Col., Corps of Engineers

SUBSCRIBED AND SWORN TO BEFORE ME this 20th day of September 1954.

Edward M. Lanning
Notary Public
in and for said County and State

ORDNANCE AND EXPLOSIVE
ARCHIVES SEARCH REPORT
FOR
DESERT CENTER DIVISION CAMP
DESERT CENTER, CALIFORNIA
PROJECT NUMBER J09CA034201

APPENDIX H

NEWSPAPERS/JOURNALS

(This Section Not Used)

ORDNANCE AND EXPLOSIVE
ARCHIVES SEARCH REPORT
FOR
DESERT CENTER DIVISION CAMP
DESERT CENTER, CALIFORNIA
PROJECT NUMBER J09CA034201

APPENDIX I

INTERVIEWS

APPENDIX I

INTERVIEWS

Table of Contents

- I-1 Interview with Mr. Stanley Ragsdale, Sr.
- I-2 Interview with Mr. Jim Capp
- I-3 Interview with Mr. Stanley Ragsdale, Jr.

CONVERSATION RECORD	TIME 1500 PDT	DATE 12 September 1996
----------------------------	-------------------------	----------------------------------

TYPE

VISIT

CONFERENCE

TELEPHONE
 INCOMING
 OUTGOING

NAME OF PERSON CONTACT WITH Stanley Ragsdale, Sr. 44125 Highway 60 Desert Center, CA 92239	ORGANIZATION Private Citizen	TELEPHONE NO. 619-227-0022
--	--	--------------------------------------

SUBJECT Desert Center Division Camp

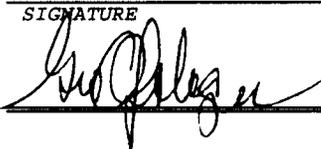
SUMMARY Mr. Ragsdale is a life long resident of Desert Center. He was approximately twenty-five old at the time of the C-AMA maneuvers. The assessment team showed him a topographic map with the boundaries of the Desert Center Division Camp highlighted. He stated that to his knowledge no firing had taken place within the highlighted area. He was able to locate the hospital on the map. He said that to his knowledge there were no other encampments within the area highlighted.

He knew that there was an Ammunition Supply Point (ASP) in the general area of Desert Center and he had that it had been used for demolition operations ("thousands upon thousands of rounds were destroyed"). He attempted, but was unable, to locate the ASP on the map. He said that it was two and a half to three miles west of the current day Mc Goo's store (author's note: Landmark is located at 33° 44' 21'N, 115° 22' 12"). When asked if it was near the current day landmark called Lake Tamerisk, he assured the assessment team that it was nowhere near that landmark.

He said that he had bought boxes of simulated ammunition after the maneuvers. He said that the boxes contained fiber containers, and the fibers were weighted to simulate the weight of a round.

ACTION REQUIRED

ACTION TAKEN

NAME OF PERSON DOCUMENTING CONVERSATION George Ofslager	ORGANIZATION CENCR-ED-DO	TELEPHONE NUMBER (309) 794-6024
SIGNATURE 	TITLE QA Spec (Ammo)	DATE 12 September 1996

CONVERSATION RECORD	TIME 1700 PDT	DATE 12 September 1996
----------------------------	-------------------------	----------------------------------

TYPE

VISIT

CONFERENCE

TELEPHONE
 INCOMING
 OUTGOING

NAME OF PERSON CONTACT WITH

Jim Capp
39955 Capp Road
Desert Center, CA 92239

ORGANIZATION

Private Citizen

TELEPHONE NO.

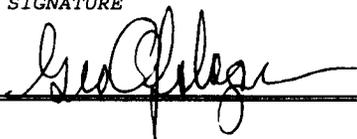
619-227-3432

SUBJECT Desert Center Division Camp

SUMMARY Mr. Capp has lived at Desert Center for the past twenty-five years. He had collected artifacts in the desert around Desert Center. The assessment team showed him a topographic map with the boundaries of the Desert Center Division Camp highlighted. He said that he once found a box of Caliber .45 ammunition on the surface in or around Section 4 of Township 5 South, Range 15 East. He said that compared to other C-AMA site, Desert Center had few military artifacts

ACTION REQUIRED

ACTION TAKEN

NAME OF PERSON DOCUMENTING CONVERSATION George Ofslager	ORGANIZATION CENCR-ED-DO	TELEPHONE NUMBER (309) 794-6024
SIGNATURE 	TITLE QA Spec (Ammo)	DATE 12 September 1996

CONVERSATION RECORD	TIME 1100 PDT	DATE 13 September 1996
----------------------------	-------------------------	----------------------------------

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

NAME OF PERSON CONTACT WITH Stanley Ragsdale, Jr. 44125 Highway 60 Desert Center, CA 92239	ORGANIZATION Private Citizen	TELEPHONE NO. 910-969-2654
--	--	--------------------------------------

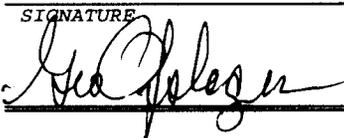
SUBJECT Desert Center Division Camp

SUMMARY Mr. Ragsdale is a life long resident of Desert Center was located. He knew that the assessment team had interviewed his father and offered to provide any information that he could.

Mr. Ragsdale showed the assessment team several ordnance items that had been collected around C-AMA. He assured the assessment team that none of the items came from the Area around desert center. He said, that to his knowledge, no munitions had been found in the area of concern.

ACTION REQUIRED

ACTION TAKEN

NAME OF PERSON DOCUMENTING CONVERSATION George Ofslager	ORGANIZATION CENCR-ED-DO	TELEPHONE NUMBER (309) 794-6024
SIGNATURE 	TITLE QA Spec (Ammo)	DATE 13 September 1996

ORDNANCE AND EXPLOSIVE
ARCHIVES SEARCH REPORT
FOR
DESERT CENTER DIVISION CAMP
DESERT CENTER, CALIFORNIA
PROJECT NUMBER J09CA034201

APPENDIX J

PRESENT SITE PHOTOGRAPHS

APPENDIX J

PRESENT SITE PHOTOGRAPHS

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- J-1 Rock Alignments (Area A)
- J-2 Specimen Bottle (Area A)
- J-3 Motor Pool Debris (Areas A)
- J-4 Mining Pit (Area B)
- J-5 Powder Can in Wash (Area B)
- J-6 View of Desert (Area C)
- J-7 View of Desert (Area C)
- J-8 Golf Course (Area C)
- J-9 496 MEDOCO (Off Site, Near Area C)
- J-10 Possible Backstop (Area D)
- J-11 Possible Backstop (Area D)
- J-12 Land Fill (Area C)



J-1. Rock Alignments (Area A)



J-2. Specimen Bottle (Area A)



J-3. Motor Pool Debris (Areas A)



J-4. Mining Pit (Area B)



J-5. Powder Can in Wash (Area B)



J-6. View of Desert (Area C)



J-7. View of Desert (Area C)



J-8. Golf Course (Area C)



J-9. 496 MEDOCO (Off Site, Near Area C)



J-10. Possible Backstop (Area D)



J-11. Possible Backstop (Area D)



J-12. Land Fill (Area C)

ORDNANCE AND EXPLOSIVE
ARCHIVES SEARCH REPORT
FOR
DESERT CENTER DIVISION CAMP
DESERT CENTER, CALIFORNIA
PROJECT NUMBER J09CA034201

APPENDIX K

HISTORICAL PHOTOGRAPHS

(This Section Not Used)

ORDNANCE AND EXPLOSIVE
ARCHIVES SEARCH REPORT
FOR
DESERT CENTER DIVISION CAMP
DESERT CENTER, CALIFORNIA
PROJECT NUMBER J09CA034201

APPENDIX L

REFERENCE MAPS/DRAWINGS

APPENDIX L

REFERENCE MAPS/DRAWINGS

Table of Contents

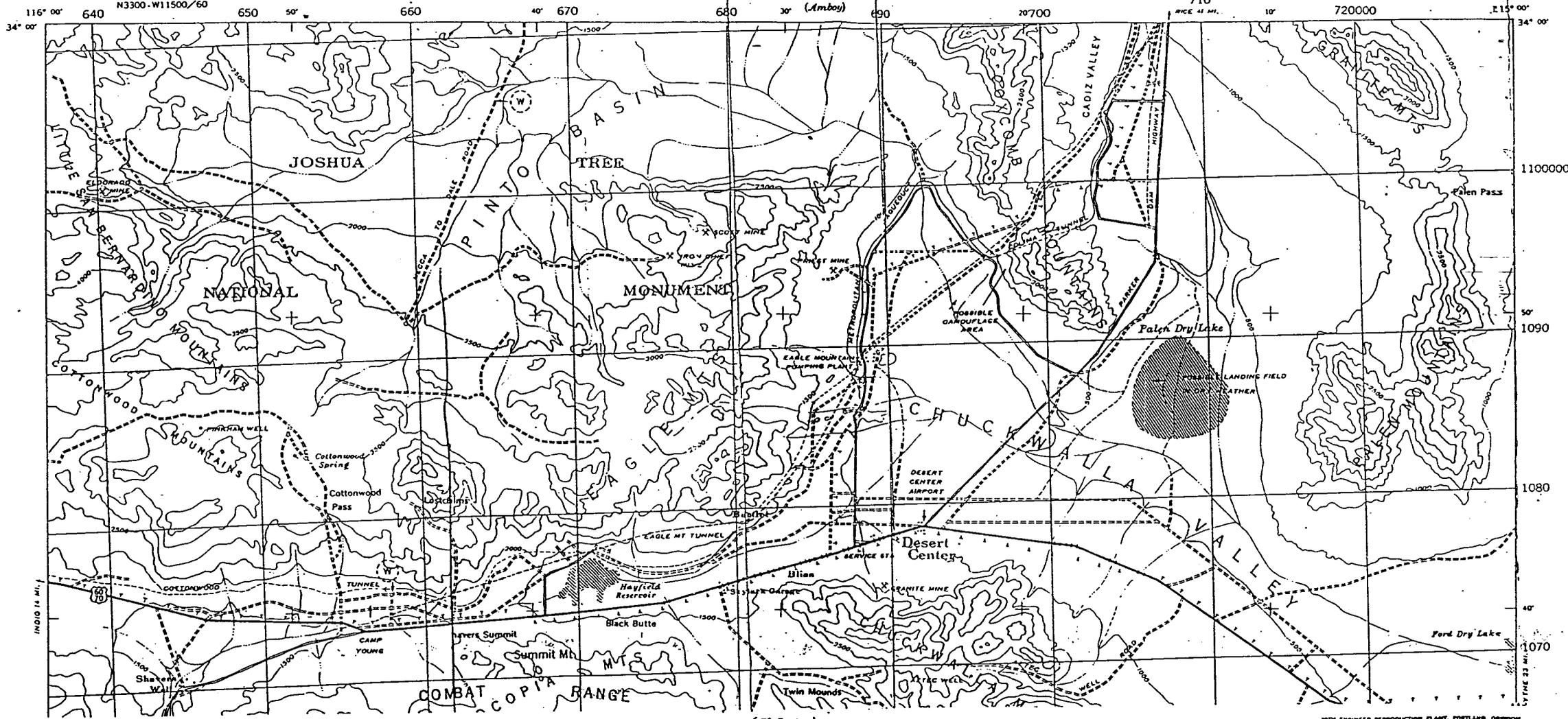
- L-1 Training Map, 1942 (B-23).
- L-2 Desired Area for Division Camp, circa 1942 (B-24).
- L-3 Desert Training Center Maneuver Area, 1943 (B-25).
- L-4 Off Limit Areas and Firing-Bombing Areas, 1943 (B-26).
- L-5 Map California-Arizona Maneuver Area, Dedudding Program, October 1951 (B-31).

CALIFORNIA
SALTON SEA QUADRANGLE
GRID ZONE "F"

WAR DEPARTMENT
CORPS OF ENGINEERS, U. S. ARMY

CALIFORNIA
SALTON SEA QUADRANGLE
GRID ZONE "F"

Advance Edition
Subject to Correction



Prepared under the direction of the Chief of Engineers, U. S. Army, 1942.
Compiled by 29th Engineers, U. S. Army, from maps of Metropolitan Water District, scale 1:120,000, U. S. Geological Survey "Salton Sea and Vicinity", scale 1:62,500 and "Salton Sink", scale 1:500,000. Road data, culture and drainage revised from Tandem T-3A (5 lens) aerial photographs, road maps of Riverside and Imperial Counties, road maps of the Bureau of Public Roads, maps of Imperial Irrigation District and field reconnaissance by 29th Engineers, U. S. Army.
Photography by Flight "F" 1st Photographic Squadron, U. S. Army, 1940.
Polyconic Projection, North American 1927 Datum.

ROAD CLASSIFICATIONS

Dependable hard surface, heavy duty road. _____ U. S. Route **99**

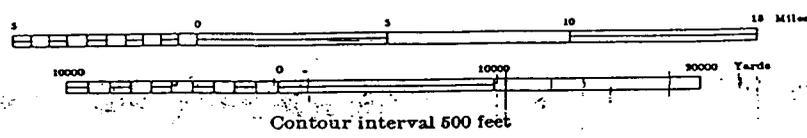
Loose surface graded, dry weather road. _____

Secondary, hard surface, all weather road. _____ State Route **111**

Unimproved road. _____

More than two lanes indicated by note with tick at point of change. _____

Road Data 1942

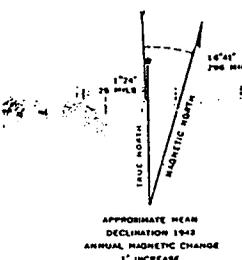


Datum is mean sea level

TEN THOUSAND METER GRID CONVERTED FROM "GRID SYSTEM FOR PROGRESSIVE MAPS IN THE U. S. ZONE 7 U. S. C. & G. S. SPECIAL PUBLICATION NO. 31 (THE LAST THREE DIGITS OF THE GRID NUMBERS ARE OMITTED)

NOTE: OFFICERS USING THIS MAP WILL MAKE PERSON CORRECTIONS AND ADDRESS WHICH COME TO THEIR ATTENTION AND MAIL DIRECT TO "THE CHIEF OF ENGINEERS, WASHINGTON, D. C."

0 5 10 15 Kilometers



CULTURE REVISIONS AUGUST, 1942,
BASED ON RECONNAISSANCE BY
87TH ENGINE, CB (POP)

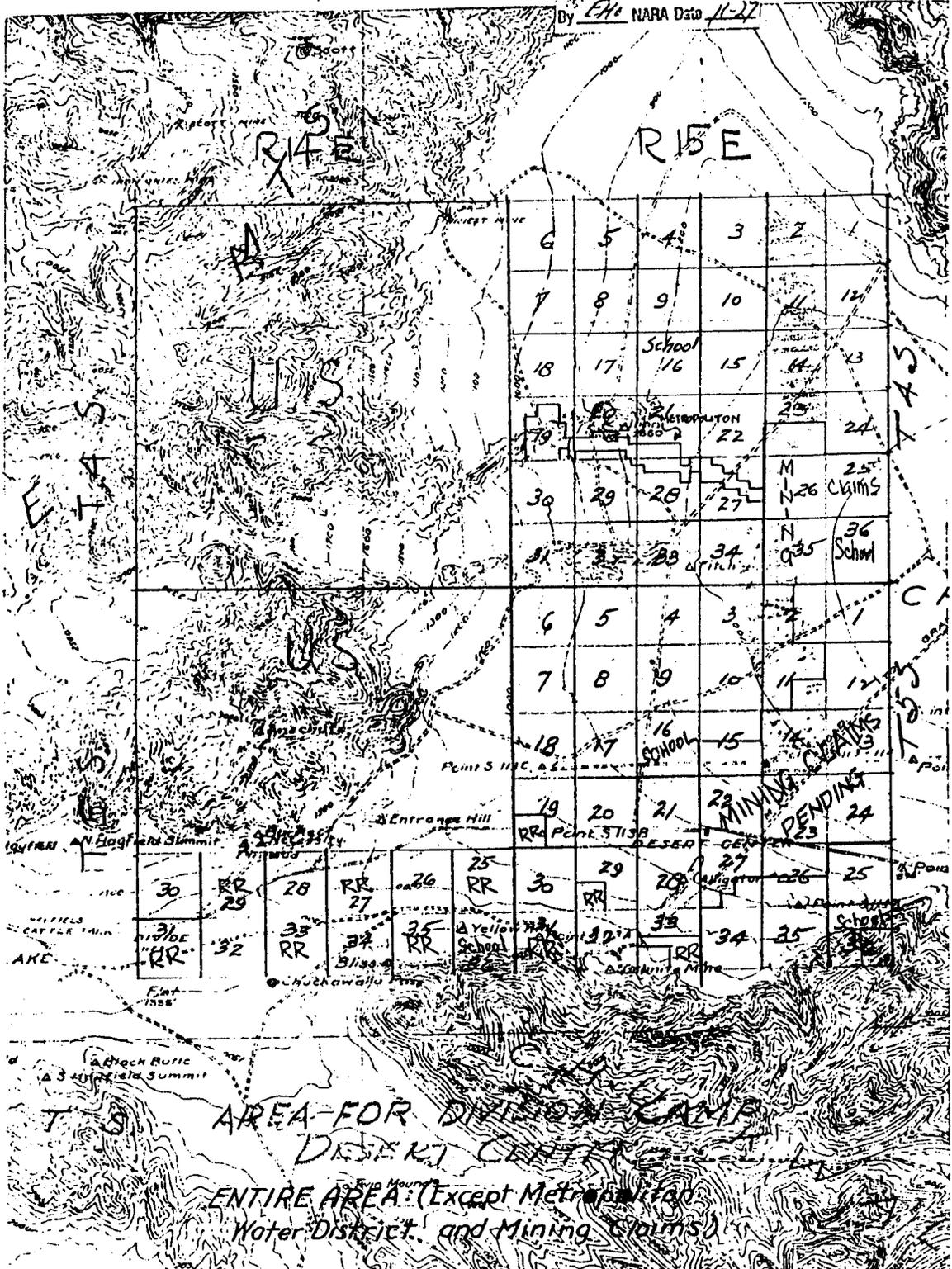
WATER POINT 160

RESTRICTED

SALTON SEA, CALIF.

N3300-W11500/60

L-1



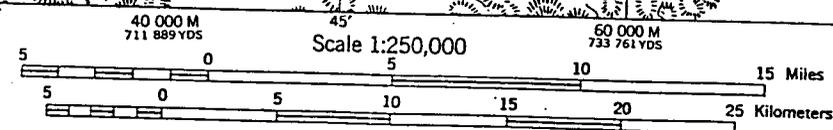
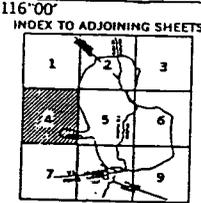
160 000 M
1 208 482 YDS

140 000 M
1 186 610 YDS
33° 45'

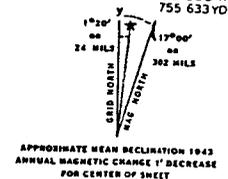
000 M
668 145 YDS
116° 15'

First Edition-AMS 1 1943
Prepared under the joint direction of Army Air Forces
and Chief of Engineers, U. S. Army.
Aerial Photography by Twenty-third Photographic
Reconnaissance Squadron (L) AAF, April 1943.
Compilation by Sixth Photographic Squadron (Special
Compilation) AAF, from Tri-Metrogon Photographs, 1943.
Drafting and Reproduction by Army Map Service,
San Antonio Branch, 1943.

ROAD CLASSIFICATION
Dependable hard-surface,
heavy-duty road. Loose-surface graded,
dry weather road.



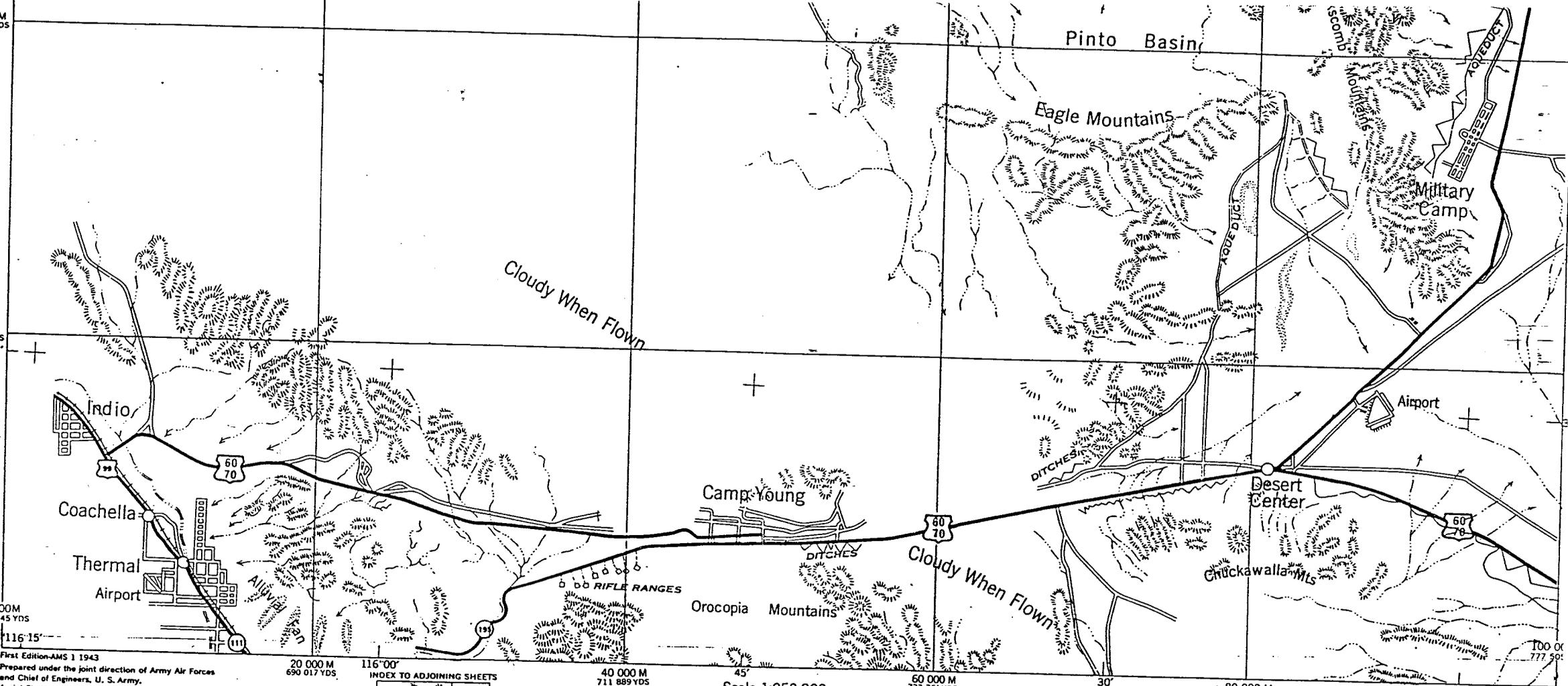
DATUM IS MEAN SEA LEVEL
ARBITRARY GRID AT 20000 METER INTERVALS
APPROXIMATE U. S. GRID ZONE "F" IN YARDS
NOTE: OFFICERS USING THIS MAP WILL WISE CHECK CORRECTIONS AND ADDITIONS WHICH COME
TO THEIR ATTENTION AND RELY THEREON TO THE CHIEF OF ENGINEERS, WASHINGTON, D. C.

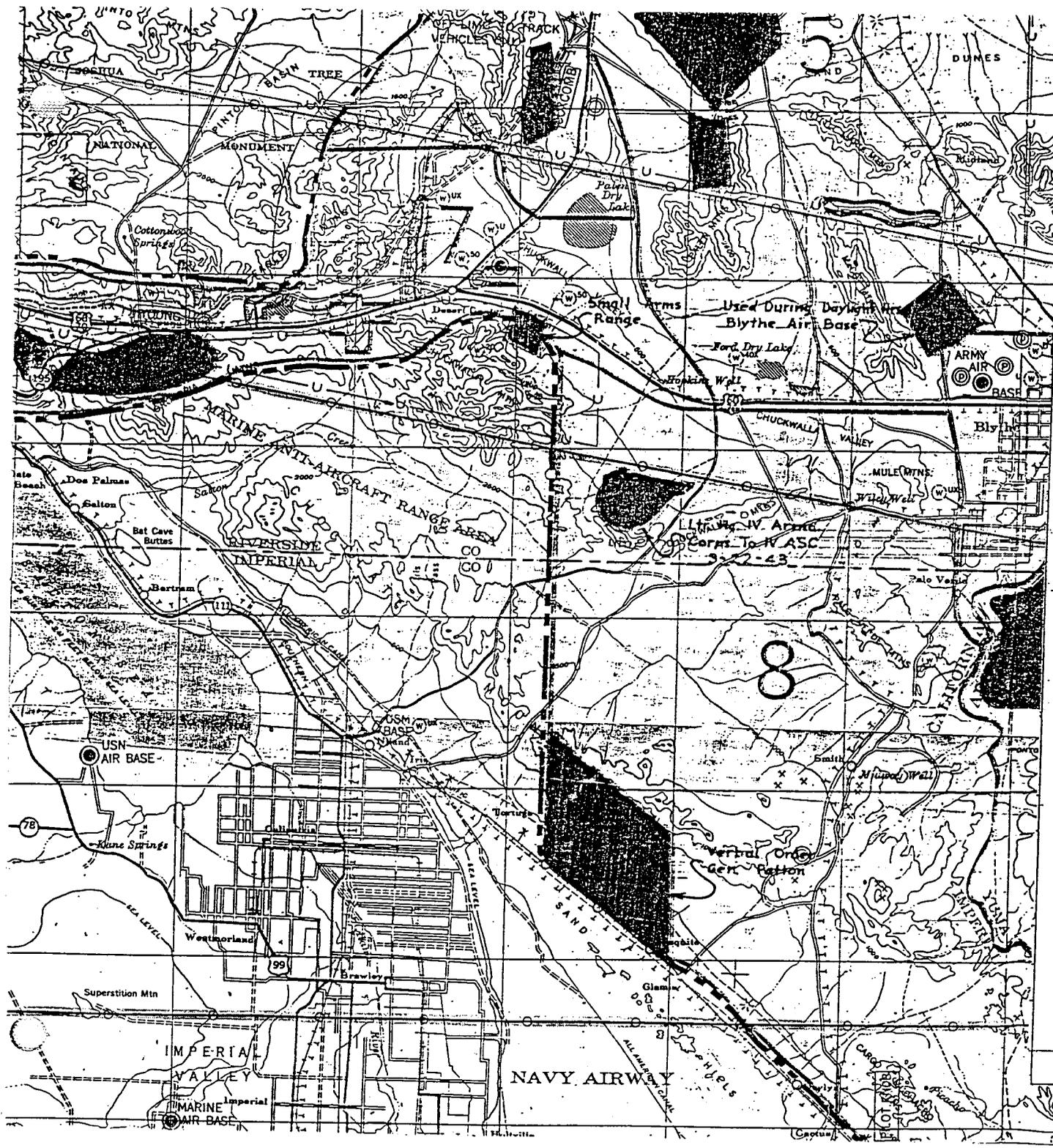


DESERT TRAINING CENTER
MANEUVER AREA
N3326-W11512/105X104

A-6-5

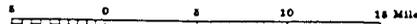
DECLASSIFIED per authorities in NNSG,
Project 84-010. Date 4/23/96 by JAL/HARS





CALIFORNIA-ARIZONA MANEUVER AREA

Scale 1/500000

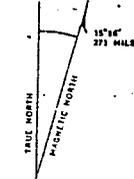


Contour interval 500 feet

Datum is mean sea level

TWENTY THOUSAND METER GRID CONVERTED FROM "GRID SYSTEM FOR PROGRESSIVE MAPS IN THE U. S." ZONE F, U. S. C. & G. S. SPECIAL PUBLICATION NO. 55 (THE LAST THREE DIGITS OF THE GRID NUMBERS ARE OMITTED)

NOTE: OFFICERS USING THIS MAP WILL MAKE NECESSARY CORRECTIONS AND ADDITIONS WHICH COME TO THEIR ATTENTION AND SHALL SUBMIT TO "THE CHIEF OF ENGINEERS, WASHINGTON, D. C."

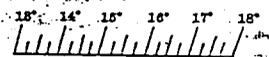


APPROXIMATE MEAN DECLINATION 1943 ANNUAL MAGNETIC CHANGE 0.7' DECREASE

USE DIAGRAM ONLY TO OBTAIN NUMERICAL VALUES. TO DETERMINE MAGNETIC NORTH LINE, CONNECT THE PIVOT POINT ON THE SOUTH EDGE OF THE MAP WITH THE VALUE OF THE ANGLE BETWEEN GRID AND MAGNETIC NORTH AS PLOTTED ON THE DEGREE SCALE AT THE NORTH EDGE OF THE MAP.

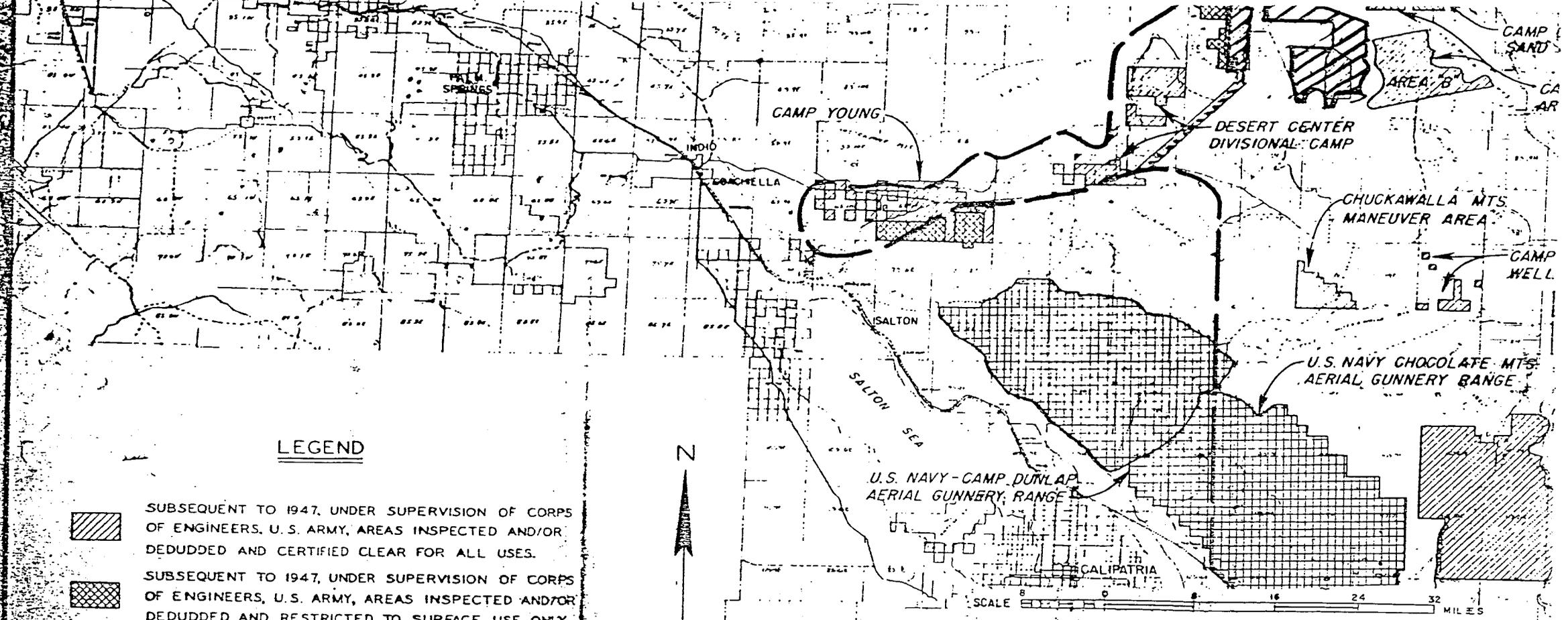
LEGEND

- MANEUVER AREA BOUNDARY
- OFF LIMITS BOUNDARY
- IMPROVED ROADS
- DESERT ROADS AND TRAILS
- AIRWAY BOUNDARY
- UNLIMITED FIRING AREA BDY
- RAILROAD CROSSING PUBLIC
- MILITARY
- AREAS OFF LIMITS
- ROAD CLASSIFICATIONS
 - Dependable hard surface, heavy duty road
 - Secondary, hard surface, all weather road
 - More than two lanes indicated by note with tick at point of change.
 - Loose surface graded, dry weather road
 - Dirt road
- WATER SUPPLY 10000 G. P. D.
- UNLIMITED SUPPLY
- AVAILABLE BY SPECIAL ARRANGEMENT
- AIR BASE
- LANDING STRIP
- PRIVATE AIR FIELD
- AQUEDUCT CROSSING
- Firing & Bombing Areas
- U. S. Route
- State Route



29TH ENGINEER REPRODUCTION PLANT, PORTLAND, ORE. THIRD EDITION, 1943

L-4



LEGEND

-  SUBSEQUENT TO 1947, UNDER SUPERVISION OF CORPS OF ENGINEERS, U. S. ARMY, AREAS INSPECTED AND/OR DEDUDDED AND CERTIFIED CLEAR FOR ALL USES.
-  SUBSEQUENT TO 1947, UNDER SUPERVISION OF CORPS OF ENGINEERS, U. S. ARMY, AREAS INSPECTED AND/OR DEDUDDED AND RESTRICTED TO SURFACE USE ONLY.
-  AREAS DEDUDDED BY PRISONERS OF WAR PRIOR TO 1944.
-  U. S. NAVY GUNNERY RANGES.
-  BOUNDARY OF CALIFORNIA-ARIZONA MANEUVER AREA.
-  Area Restricted Against Sub-surface Operations
-  Area Recommended for any use for which land is suited

CORPS OF ENGINEERS, U. S. ARMY OFFICE OF THE DISTRICT ENGINEER LOS ANGELES, CALIFORNIA	
DRAWN BY E. G. M. TRACED BY E. M. H. CHECKED BY E. G. M. SUBMITTED BY	<h2>CALIFORNIA - ARIZONA MANEUVER AREA</h2> <h3>DEDUDDING PROGRAM</h3>
APPROVAL RECOMMENDED <i>B. E. [Signature]</i> <small>CHIEF, SURPLUS FACILITIES SEC.</small>	APPROVED <i>W. J. [Signature]</i> DATE OCT 15 1951 <small>CHIEF, CONSTRUCTION DIVISION</small>
PREPARED UNDER THE DIRECTION OF W. R. SHULER, COLONEL, C. E. DISTRICT ENGINEER	DRAWING NO. 241-M-7
SCALE AS SHOWN	L-5

ORDNANCE AND EXPLOSIVE
ARCHIVES SEARCH REPORT
FOR
DESERT CENTER DIVISION CAMP
DESERT CENTER, CALIFORNIA
PROJECT NUMBER J09CA034201

APPENDIX M

ARCHIVE SEARCH REPORT CORRESPONDENCE

(This section is not used)

ORDNANCE AND EXPLOSIVE
ARCHIVES SEARCH REPORT
FOR
DESERT CENTER DIVISION CAMP
DESERT CENTER, CALIFORNIA
PROJECT NUMBER J09CA034201

APPENDIX N

REPORT DISTRIBUTION LIST

APPENDIX N

REPORT DISTRIBUTION LIST

	I	II	III
Commander, U.S. Army Corps of Engineers Engineering and Support Center, Huntsville ATTN: CEHNC-ED-SY-A (Mardis) P.O. Box 1600 Huntsville, Alabama 35807-4301	2	-	-
Commander, U.S. Army Corps of Engineers North Central Division ATTN: CENCN-PP-PM 111 North Canal Street, 12th Floor Chicago, Illinois 60606-7206	1	-	-
Commander, Defense Ammunition Center ATTN: SIOAC-ES Savanna, Illinois 61074-9639	3	-	-
Commander, U.S. Army Health Clinic ATTN: MCXP-RIA (Platt) Rock Island Arsenal Rock Island, Illinois 61201	1	-	-
Commander, U.S. Army Corps of Engineers Los Angeles District ATTN: CESPL-ED-MI (Boghossian) P.O. Box 12711 Los Angeles, CA 90053-2325	2	-	-

I - Final Report
II - Findings Report
III - Routed Final Report

No. Copies

I II III

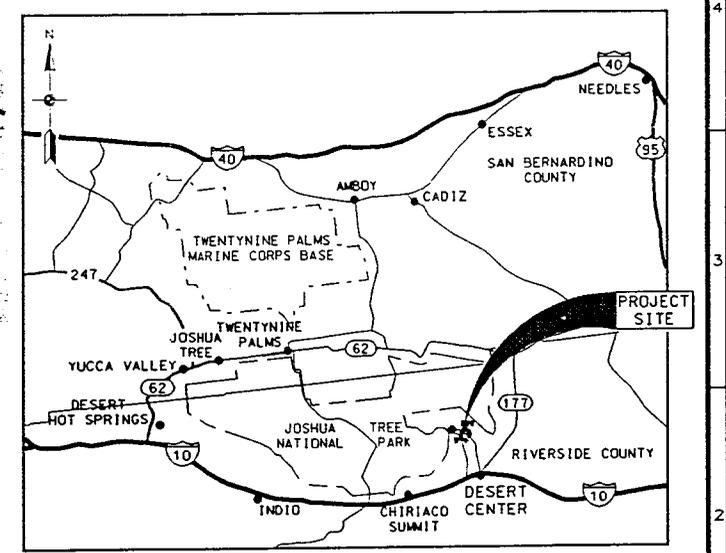
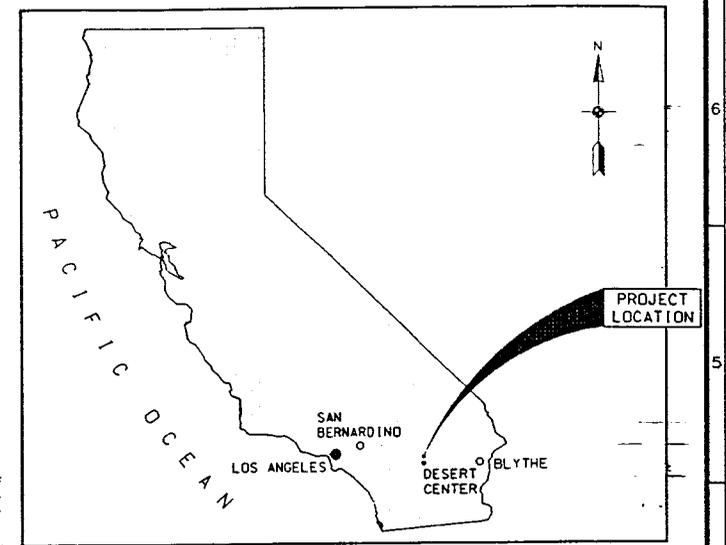
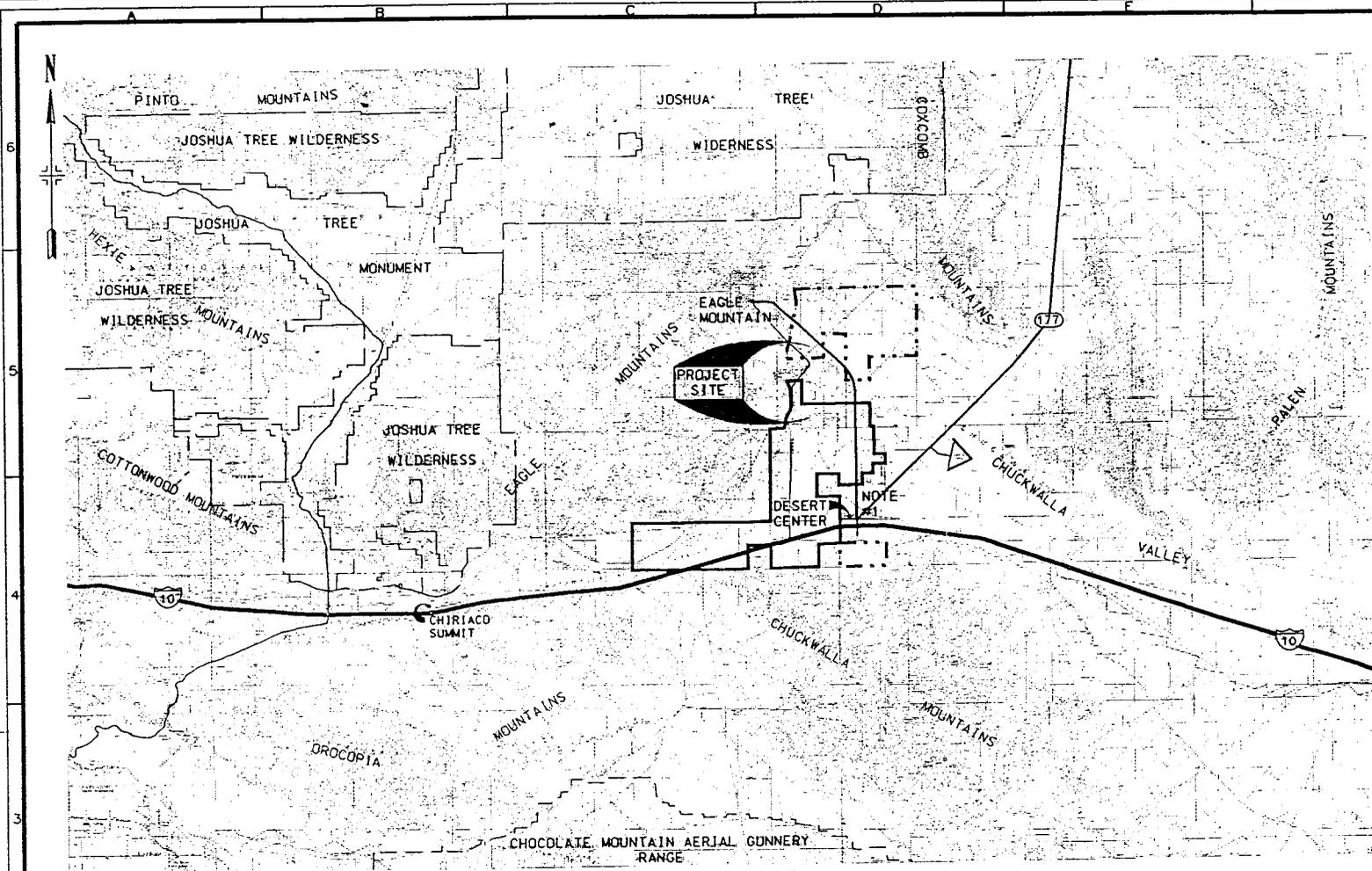
Commander, U.S. Army Engineer District,
Rock Island
P.O. Box 1600
Rock Island, IL 61201

CENCR-ED	-	-	1
-ED-D	-	-	1
-ED-DO	3	-	-

I - Final Report
II - Findings Report
III - Routed Final Report

ORDNANCE AND EXPLOSIVE
ARCHIVES SEARCH REPORT
FOR
DESERT CENTER DIVISION CAMP
DESERT CENTER, CALIFORNIA
PROJECT NUMBER J09CA034201

REPORT PLATES



15,000 7,500 0 15,000 30,000 FT.

LEGEND:

- FORMER DESERT CENTER DIVISION CAMP BOUNDARY
- JOSHUA TREE NATIONAL MONUMENT & JOSHUA TREE WILDERNESS AREA BOUNDARY
- CHOCOLATE MOUNTAIN AERIAL GUNNERY RANGE BOUNDARY
- TWENTYNINE PALMS MARINE CORPS BASE BOUNDARY
- COUNTY BOUNDARY
- == INTERSTATE HIGHWAYS
- == U.S. HIGHWAYS
- == STATE HIGHWAYS
- SECONDARY STATE & COUNTY HIGHWAYS
- + STATE PLANE COORDINATES

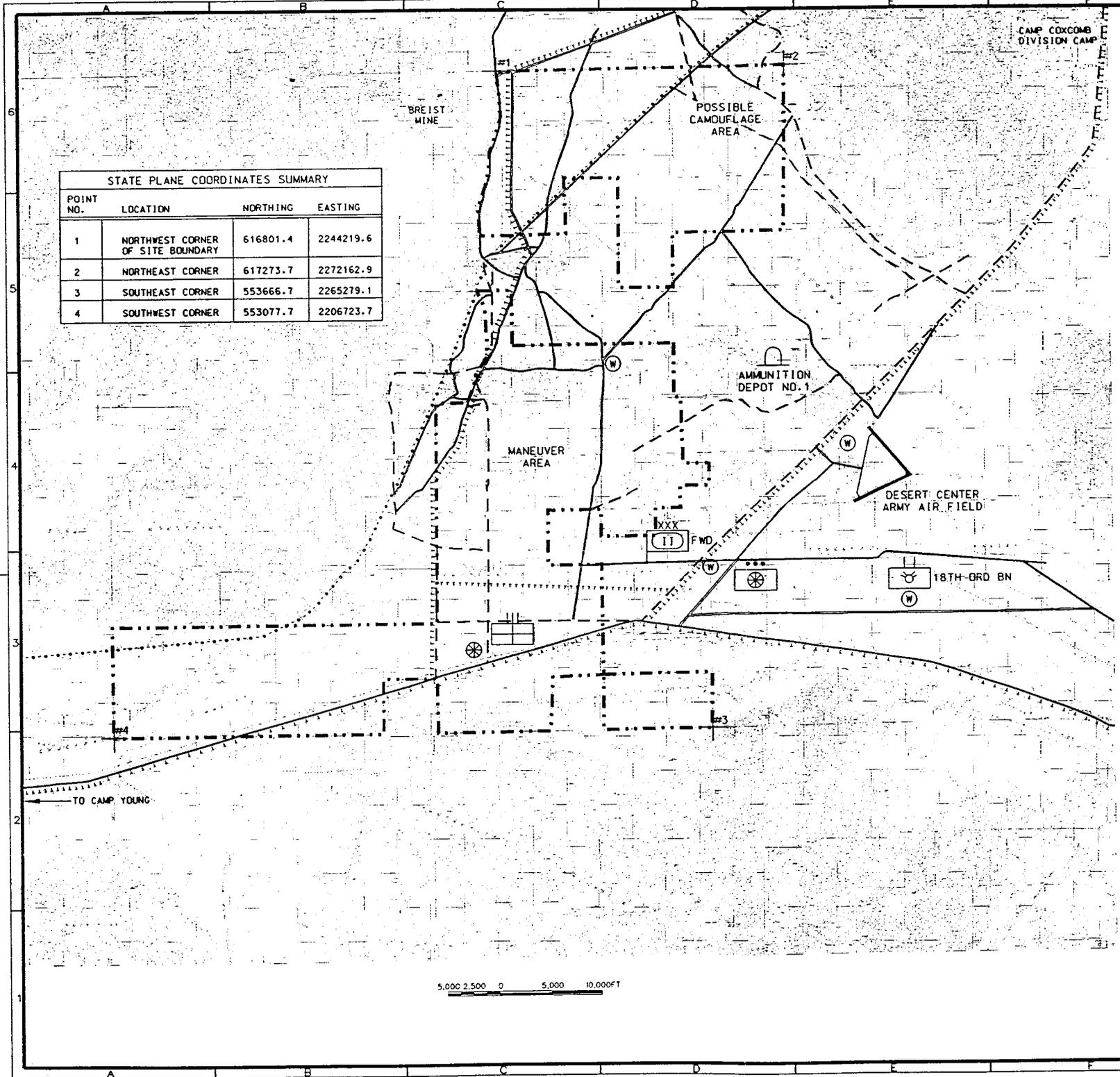
NOTES:

1. STATE PLANE COORDINATES: 564214.2M 2258548.7E
LOCATED AT HIGHWAY INTERSECTION OF STATE
HIGHWAY 177 & COUNTY HIGHWAY R2

	US Army Corps of Engineers Rock Island District	Designed By: G. C. OFSLAGER	Date:
		Drawn By: J. D. TURNER	Scale: AS SHOWN
		Checked By: M. J. CIVIS	Drawing Code:
		Reviewed By: D. J. HOLMES	Project Number: J09CA034201
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS ROCK ISLAND, ILLINOIS DESERT CENTER DIVISION CAMP DESERT CENTER, CALIFORNIA		Sheet Reference Number: PLATE 1 Sheet 1 of 1	

5010-108-01 (Rev. 12-13-60)

STATE PLANE COORDINATES SUMMARY			
POINT NO.	LOCATION	NORTHING	EASTING
1	NORTHWEST CORNER OF SITE BOUNDARY	616801.4	2244219.6
2	NORTHEAST CORNER	617273.7	2272162.9
3	SOUTHEAST CORNER	553666.7	2265279.1
4	SOUTHWEST CORNER	553077.7	2206723.7

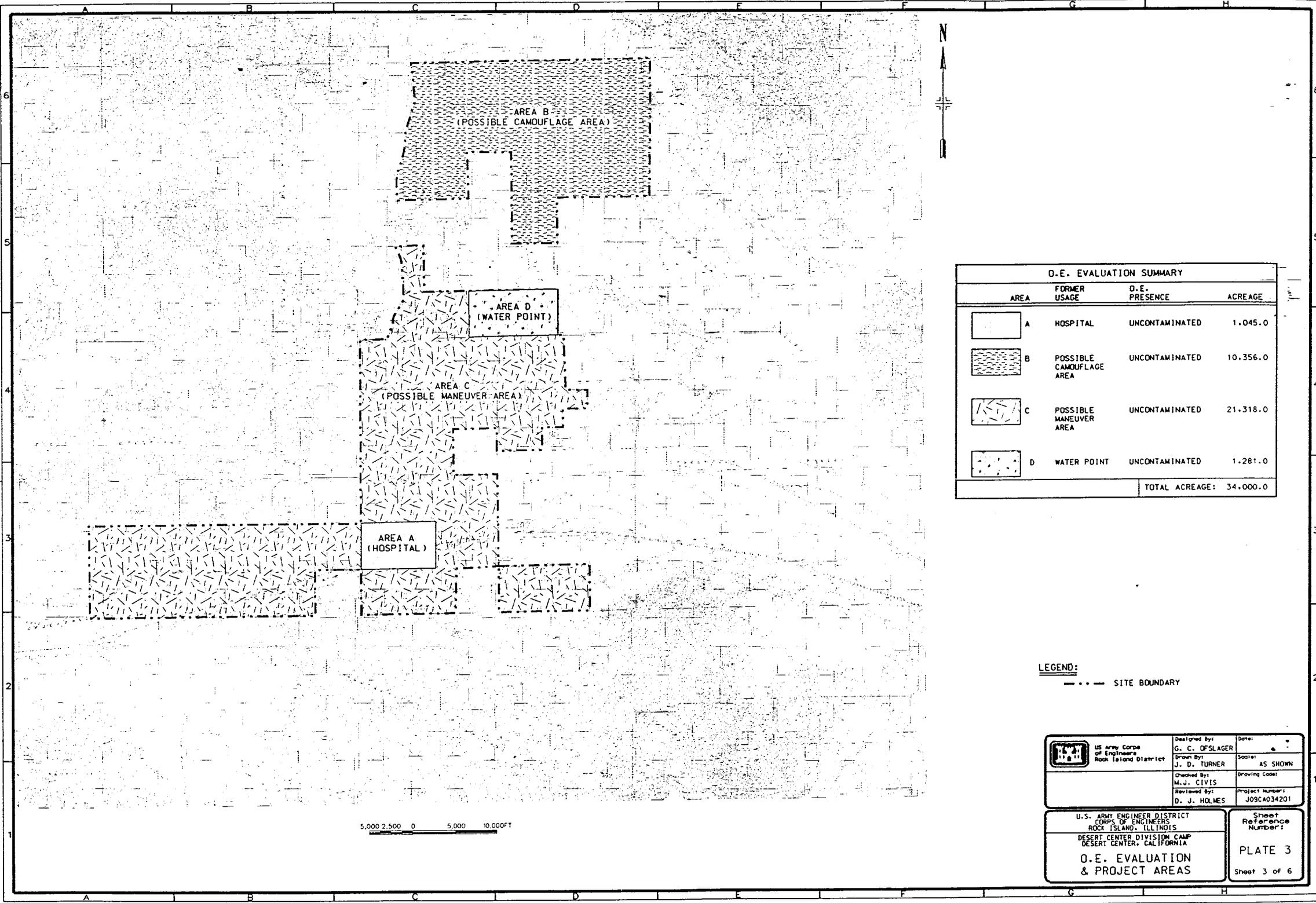


- LEGEND:**
- FORMER DESERT CENTER DIVISION CAMP BOUNDARY
 - HEAVY DUTY ROAD
 - - - SECONDARY HARD SURFACE ROAD
 - GRADED UNIMPROVED ROAD
 - == POOR ROAD OR TRAIL
 - TELEPHONE LINES
 - OVERHEAD TELEPHONE AND TRANSMISSION LINES
 - ⊙ WATER POINT
 - ⊗ MOTOR POOL
 - ⊕ AMMUNITION DEPOT NO. 1 (POSSIBLE SITE)
 - ⊕ 18TH ORDNANCE BATTALION
 - ⊕ EVACUATION HOSPITAL
 - XXX OBSERVER'S CAMP
 - ⊕ QUARTERMASTER TRUCK COMPANY
 - + STATE PLANE COORDINATES

- NOTES:**
1. INFORMATION EXTRACTED FROM DOCUMENTS F-5, F-6, I-1, L-1 AND REFERENCES B-37 AND B-38.
 2. LOCATION OF AMMUNITION DEPOT NO. 1 APPROXIMATE. LOCATION BASED UPON DOCUMENT I-1 AND ROADS PRESENT IN 1943.

	US Army Corps of Engineers Rock Island District	Designed By: G. C. OFSLAGER	Date:
		Drawn By: J. D. TURNER	Scale: AS SHOWN
		Checked By: M. J. CIVIS	Drawing Code:
		Reviewed By: D. J. HOLMES	Project Number: J09CA034201
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS ROCK ISLAND, ILLINOIS DESERT CENTER DIVISION CAMP DESERT CENTER, CALIFORNIA			Sheet Reference Number: PLATE 2 Sheet 2 of

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D.E. EVALUATION SUMMARY			
AREA	FORMER USAGE	D.E. PRESENCE	ACREAGE
	A HOSPITAL	UNCONTAMINATED	1,045.0
	B POSSIBLE CAMOUFLAGE AREA	UNCONTAMINATED	10,356.0
	C POSSIBLE MANEUVER AREA	UNCONTAMINATED	21,318.0
	D WATER POINT	UNCONTAMINATED	1,281.0
TOTAL ACREAGE:			34,000.0

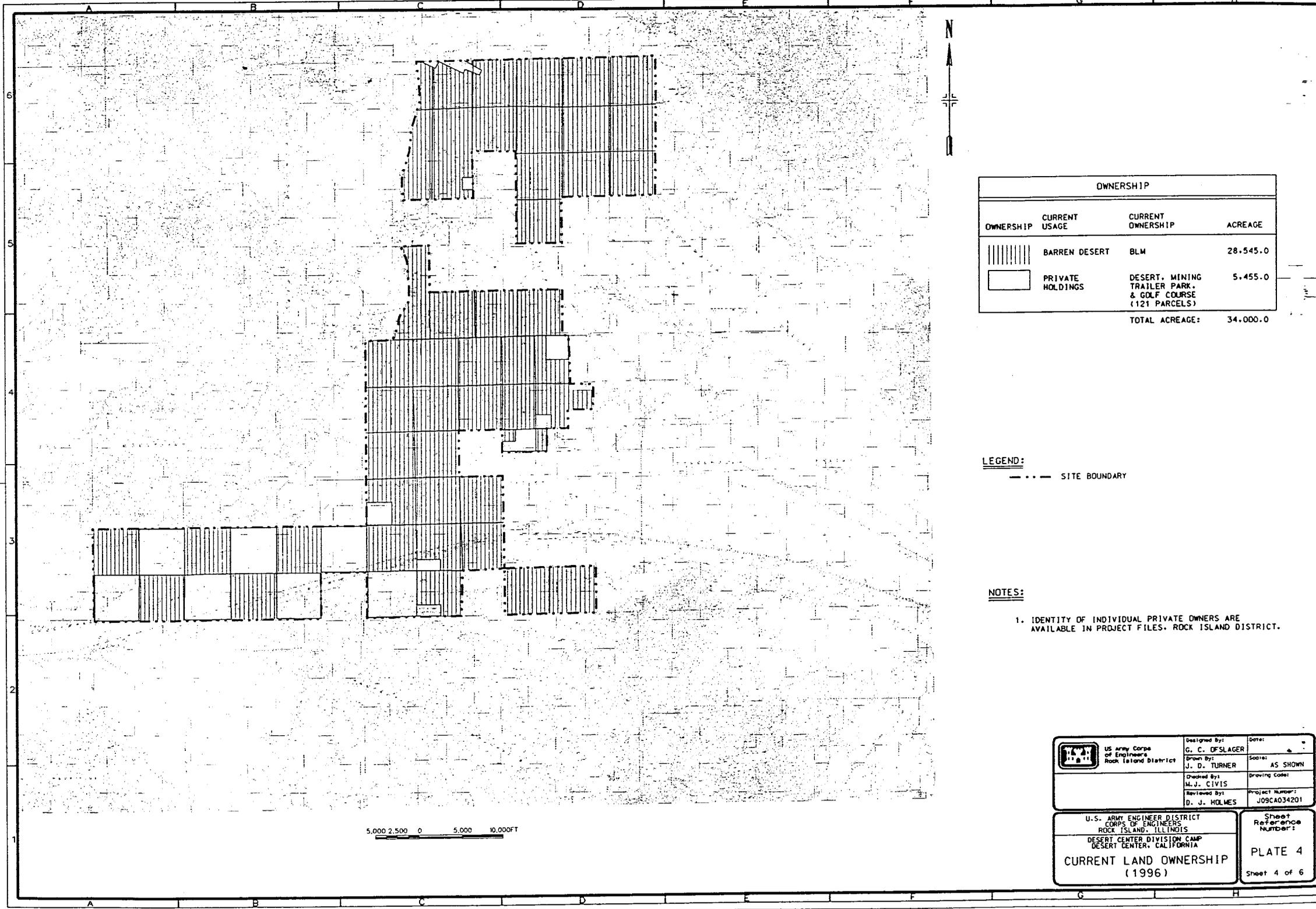
LEGEND:
 - - - - SITE BOUNDARY

	Designed By:	Date:
	G. C. OFSLAGER	
	Drawn By:	Scale:
	J. D. TURNER	AS SHOWN
Checked By:	Drawing Code:	
M. J. CIVIS		
Reviewed By:	Project Number:	
D. J. HOLMES	J09CA034201	

U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 ROCK ISLAND, ILLINOIS
 DESERT CENTER DIVISION CAMP
 DESERT CENTER, CALIFORNIA
**O.E. EVALUATION
 & PROJECT AREAS**

Sheet Reference Number:
PLATE 3
 Sheet 3 of 6

01-601-1188 0113



OWNERSHIP			
OWNERSHIP	CURRENT USAGE	CURRENT OWNERSHIP	ACREAGE
	BARREN DESERT	BLM	28,545.0
	PRIVATE HOLDINGS	DESERT, MINING TRAILER PARK & GOLF COURSE (121 PARCELS)	5,455.0
TOTAL ACREAGE:			34,000.0

LEGEND:

--- SITE BOUNDARY

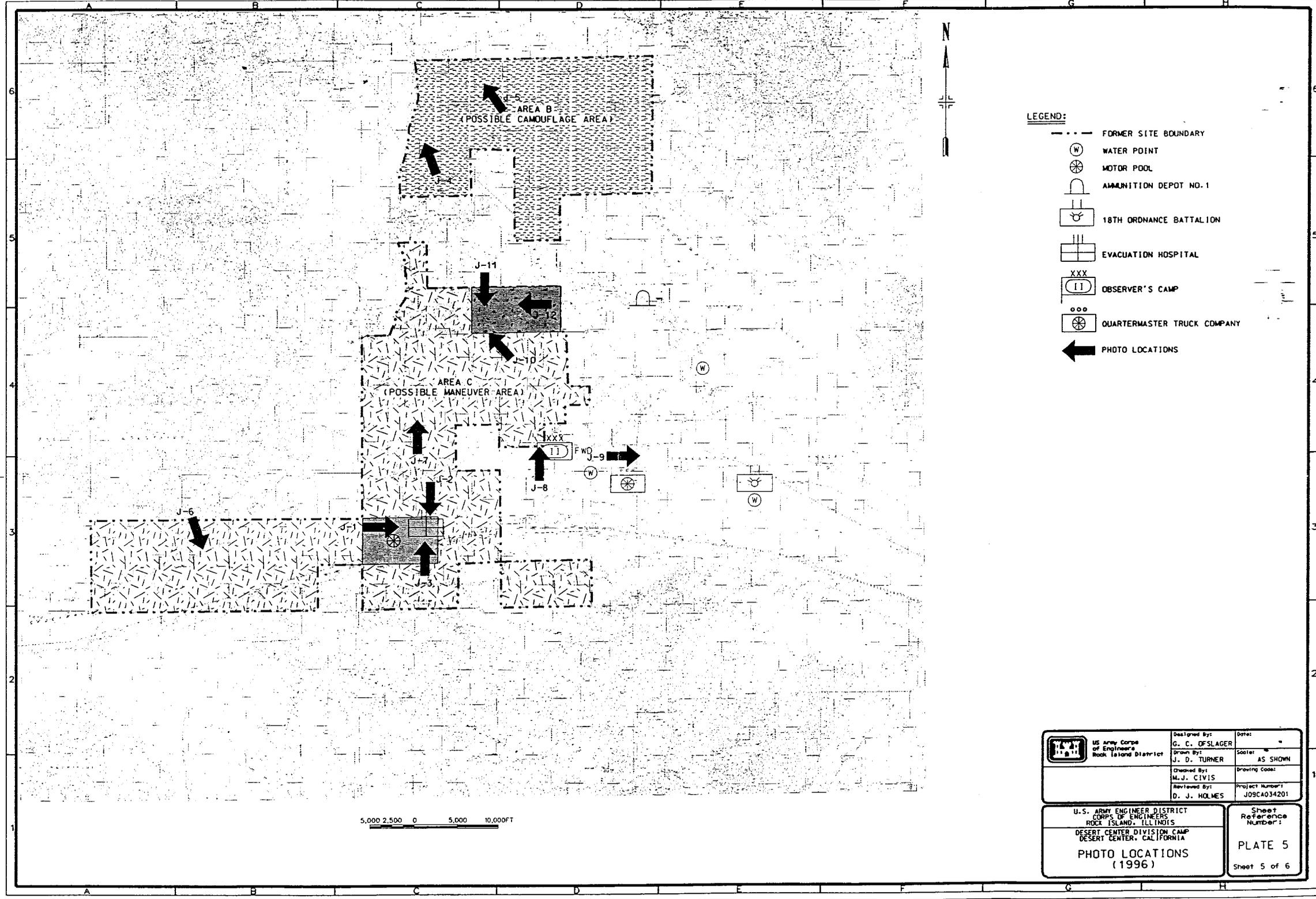
NOTES:

- IDENTITY OF INDIVIDUAL PRIVATE OWNERS ARE AVAILABLE IN PROJECT FILES, ROCK ISLAND DISTRICT.



 U.S. Army Corps of Engineers Rock Island District	Designed By:	Date:
	G. C. OFSLAGER	
	Drawn By:	Scale:
	J. D. TURNER	AS SHOWN
Checked By:	Drawing Code:	
M. J. CIVIS		
Reviewed By:	Project Number:	
D. J. HOLMES	J09CA034201	
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS ROCK ISLAND, ILLINOIS DESERT CENTER DIVISION CAMP DESERT CENTER, CALIFORNIA		Sheet Reference Number: PLATE 4 Sheet 4 of 6

01-02-1996 07:10
 map of land ownership

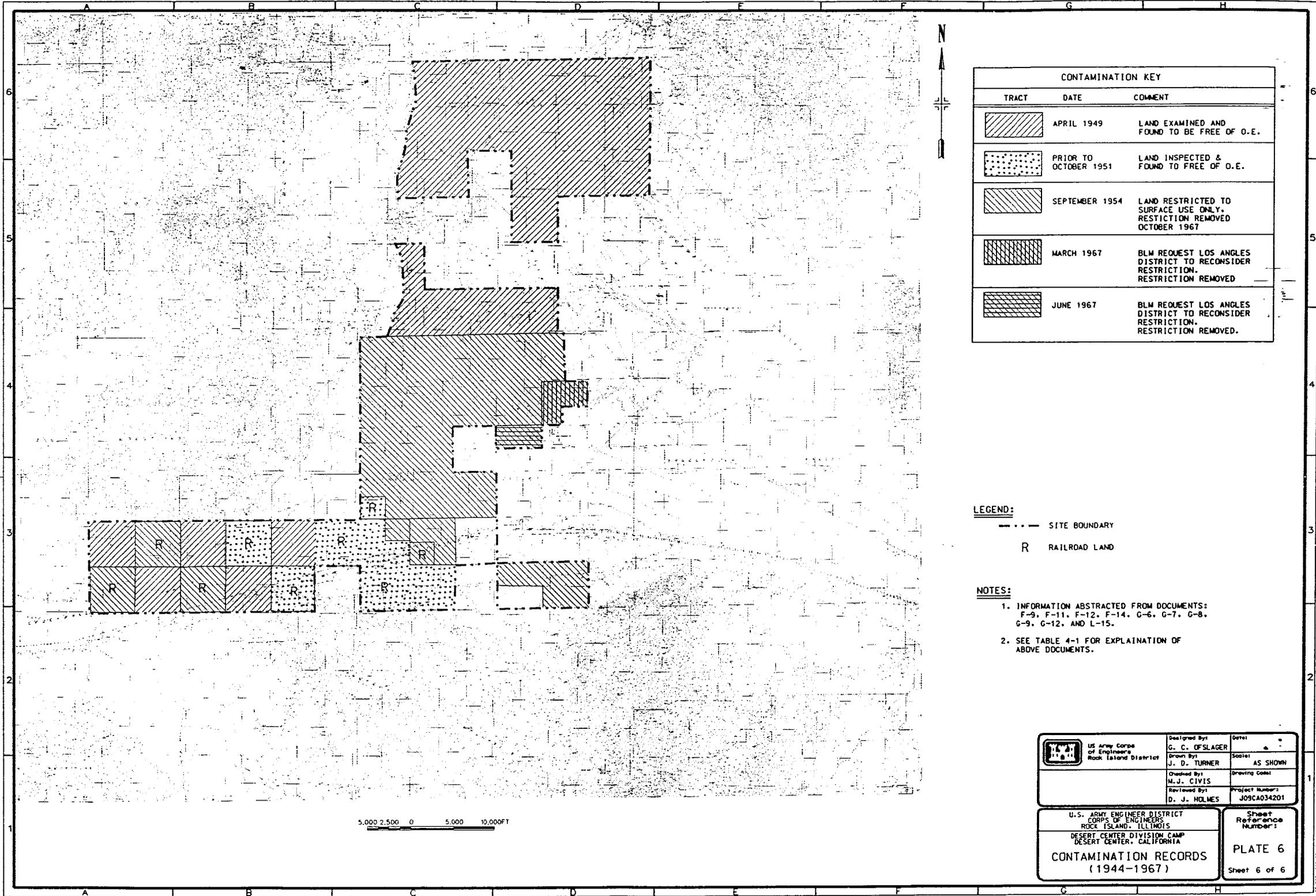


- LEGEND:**
- FORMER SITE BOUNDARY
 - (W) WATER POINT
 - (⊗) MOTOR POOL
 - (⊖) AMMUNITION DEPOT NO. 1
 - (⊕) 18TH ORDNANCE BATTALION
 - (⊥) EVACUATION HOSPITAL
 - (XXX) OBSERVER'S CAMP
 - (⊗) QUARTERMASTER TRUCK COMPANY
 - ← PHOTO LOCATIONS

5,000 2,500 0 5,000 10,000FT

U.S. Army Corps of Engineers Rock Island District	Designed By: G. C. OFSLAGER	Date: "
	Drawn By: J. D. TURNER	Scale: AS SHOWN
	Checked By: M. J. CIVIS	Drawing Code:
	Reviewed By: D. J. HOLMES	Project Number: J09CA034201
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS ROCK ISLAND, ILLINOIS DESERT CENTER DIVISION CAMP DESERT CENTER, CALIFORNIA		Sheet Reference Number: PLATE 5 Sheet 5 of 6

DTIC-1186 0111
 DTIC-1186 0111
 DTIC-1186 0111



CONTAMINATION KEY		
TRACT	DATE	COMMENT
	APRIL 1949	LAND EXAMINED AND FOUND TO BE FREE OF O.E.
	PRIOR TO OCTOBER 1951	LAND INSPECTED & FOUND TO FREE OF O.E.
	SEPTEMBER 1954	LAND RESTRICTED TO SURFACE USE ONLY. RESTRICTION REMOVED OCTOBER 1967
	MARCH 1967	BLM REQUEST LOS ANGES DISTRICT TO RECONSIDER RESTRICTION. RESTRICTION REMOVED
	JUNE 1967	BLM REQUEST LOS ANGES DISTRICT TO RECONSIDER RESTRICTION. RESTRICTION REMOVED.

LEGEND:

- - - - SITE BOUNDARY
- R RAILROAD LAND

NOTES:

1. INFORMATION ABSTRACTED FROM DOCUMENTS: F-9, F-11, F-12, F-14, G-6, G-7, G-8, G-9, G-12, AND L-15.
2. SEE TABLE 4-1 FOR EXPLANATION OF ABOVE DOCUMENTS.



US Army Corps of Engineers Rock Island District	Designed By: G. C. DFSLAGER	Date:
	Drawn By: J. D. TURNER	Scale: AS SHOWN
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	Reviewed By: D. J. HOLMES	Project Number: J09CA034201
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS ROCK ISLAND, ILLINOIS DESERT CENTER DIVISION CAMP DESERT CENTER, CALIFORNIA		Sheet Reference Number: PLATE 6 Sheet 6 of 6
CONTAMINATION RECORDS (1944-1967)		

01-0001-1188 0114
 11-00-01-1188-0114-010001