



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

VICTORVILLE PRECISION BOMBING RANGE (PBR) NUMBER 6

Victorville, California
Project Number J09CA069101

April 1998



BOMBARDIER

DEFENSE ENVIRONMENTAL RESTORATION PROGRAM
FOR
FORMERLY USED DEFENSE SITES

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ARCHIVES SEARCH REPORT
FOR
VICTORVILLE PBR #6
VICTORVILLE, CA
PROJECT NUMBER J09CA069101

April 1998

Prepared For

US Army Corps of Engineers
Engineering and Support Center, Huntsville
ATTN: CEHNC-OE
PO Box 1600
Huntsville, AL 35807-4301

Prepared By

U.S. Army Corps of Engineers
Rock Island District
ATTN: CEMVR-ED-DO
PO Box 2004
Rock Island, Illinois 61204-2004

and

Defense Ammunition Center
ATTN: SIOAC-ESL
Savanna, Illinois 61074-9639

ORDNANCE AND EXPLOSIVES
 ARCHIVES SEARCH REPORT
 FOR
 VICTORVILLE PBR #6
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ACKNOWLEDGMENTS				
The following persons provided support as indicated.				
Function	Name	Title	Organization	Telephone
On-Site Assessment	Ronald Plante*	Q.A. Spec., Ammunition (QASAS)	CEMVR-ED-DO	(309) 782-1481
	Eric Aubrey	QASAS/EOD	CEMVR-ED-DO	(309) 782-3045
Engineering Support	Robert E. Hoffman	Environmental Engineer	CEMVR-ED-DO	(309) 782-1492
Historical Research	Larry Dauphin	QASAS	SIOAC-ESL	(815) 273-8867
District POC	Greg Boghossian	Technical Manager	CESPL-ED-MI	(213) 452-3722
Industrial Hygiene	Robert Platt	Industrial Hygienist	MCXM-PMA	(309) 782-0806
CADD Support	Gary Willits	Technician	CEMVR-ED-DO	(309) 782-1483
*Team Leader				

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1. INTRODUCTION

a. Subject and Purpose

(1) This report presents the findings of an historical records search and site inspection for ordnance and explosives (OE) located at the Victorville Precision Bombing Range (PBR) #6 in San Bernardino County, CA (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) This investigation focused on the 640 acres identified in the inventory project report (INPR). An additional 850 acres of adjacent land were determined to be part of this site and were also investigated as part of this report.

(3) The purpose of this investigation was to characterize the site for potential OE presence, to include conventional ammunition and chemical warfare material (CWM). This 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 information, and confirmed ordnance presence, based on available records, interviews, site inspections, and analyses. The analyses provide an evaluation of all information to assess current day potential ordnance presence, where ordnance presence has not been confirmed.

(2) For the purpose of this report, OE consists of live ammunition or components, debris derived from live ammunition, 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 (DoD). Such ammunition components are no longer under accountable record control of any DoD organization or activity.

(3) **Expended** small arms ammunition (.50 cal or smaller) and ordnance fragments (without energetic material), are **not** considered OE presence. OE further includes "explosive soil" which refers to any mixture in soil, sands, clays, etc., such that the mixture itself is explosive. Generally, 10 per cent of more by weight of explosive in a soil mixture is considered explosive soil.

2. PREVIOUS INVESTIGATIONS

a. **Preliminary Assessment**

(1) A preliminary assessment (PA) of PBR #6 was conducted by the Los Angeles District (CESPL) in 1991 (see document E-1). Because of the potential for OE presence, CESPL recommended that Huntsville Center (CEHNC) consider the site for further study. Table 2-1 below represents an overview of the PA phase.

TABLE 2-1 DERP-FUDS PRELIMINARY ASSESSMENT PROJECTS				
Project Number	DERP Category	Present Phase	Comments	Location
J09CA069101	OE	SI	Ordnance and explosives	Entire site
N/A	CON/HTW, HTRW, BD/DR	N/A	None recommended	N/A

b. **Other Investigations**

The ASR Team did not locate any other investigations pertinent to this site.

3. SITE DESCRIPTION

a. **Existing Land Usage**

(1) The former PBR #6 occupies 640 acres (one square mile) on the dry bed of Lake Lucerne, about 20 miles east of Victorville. The land is about 4 miles north of the town of Lucerne Valley. Although close to a paved road, State Route 247, the only access is via dirt trails and a four-wheel drive is recommended.

(2) All of the acreage qualified in the INPR (areas A and B) is part of the dry lake bed, while some of the additional lands (areas C and D) extend off the lake bed into the foothills west of the target. There are no structures of any type on these

lands, and their only use appears to be for recreational vehicles and trash dumping. An underground pipeline and some power lines run southwest/northeast just west of the target area. Current usage is summarize in table 3-1.

TABLE 3-1					
CURRENT LAND USAGE					
AREA	FORMER USAGE	PRESENT OWNER	PRESENT USAGE	SIZE/ACRES	COMMENTS
A	Impact Zone	Multiple, see plate 6	None	472	See plate 4 & photos J-1 thru J-10
B	Buffer Zone	See plate 6	None	168	See plate 4 & photos J-11 and J-12
C	Additional Impact Zone	See plate 6	None	168*	See plate 4, & photos J-13 thru J-15
D	Additional Buffer Zone	See plate 6	Power lines	682*	See plate 4 & photos J-16 thru J-18
				total: 1490	
*850 acres not included in FDE. Recommend amending the original FDE to include this additional acreage.					

b. Climatic Data

(1) The region has an arid desert climate. Summers are long and very hot, and winters are quite warm despite some days when the nightly temperature drops below freezing. Rainfall is scant in all months.

(2) In the winter, the average daily temperature in Victorville is 47 degrees Fahrenheit (°F). The average daily minimum is 30°F, and the lowest ever recorded was 3°F in January 1963. In the summer, the average daily temperature in Victorville is 77°F, and the average daily maximum is 97°F. The highest temperature ever recorded was 116°F in July 1972.

(3) The total annual precipitation for Victorville is 5 inches ("). Of this, 30 per cent (%) usually falls from April through September. The heaviest one day rainfall was 2.3" in September 1976. Thunderstorms occur on about 3 days per year, mostly in summer. Average seasonal snowfall in Victorville is 2". The greatest depth at any one time was 17".

(4) Average relative humidity at midafternoon is about 20%. Humidity is higher at night, and the average at dawn is

about 50%. Percentage of possible sunshine is 90% in the summer and 60% in the winter.

(5) Prevailing winds are from the west and south, at an average speed of 8 miles per hour (mph) in the summer. The highest recorded speed was 87 mph. Strong, dry winds come from varying directions throughout the year. A windspeed of greater than 12 mph is sufficient to lift and carry sand. In Victorville, windspeeds in excess of 12 mph occur about 25% of the time, primarily from the south and west (references B-4 and B-5).

c. Topography

(1) PBR #6 is on a level dry lake bed which is about 2,848 feet (') measured above mean sea level (MSL). Lucerne Lake is about 2½ miles wide (east to west) by 4 miles long (northeast to southwest). The target center is located on the western edge of the lake, and the original 640 acre parcel (areas A and B) is entirely within the lake bed.

(2) Southwest, west, and north of the target and outside of the 640 acre parcel are the foothills of the Granite Mountains. Within two miles of the target, these mountains rise to 4,500'. To the northeast, east, and south of the target the Lucerne Valley is level (reference B-88).

d. Geology and Soils

(1) Within San Bernardino County, the region around PBR #6 is considered part of the Mojave Desert. Like other lake beds in the area, the soil units on Lucerne Lake are Playas. These are very poorly drained areas on flats in closed basins. The Playas consist of stratified sediment that has accumulated as a result of surface runoff from the higher surrounding areas. The sediment is dominantly clay but ranges from silty clay to loamy sand. Areas of Playas are strongly saline-alkali, and salt commonly crusts on the surface.

(2) Included in this unit are small areas of Bousic clay, Norob loamy sand, and Halloran sandy loam on the fringes of Playas and in slightly elevated areas of Playas. The surface layer of these soils has been removed by strong winds. Permeability and runoff are very slow. During high intensity rains, these areas are flooded and become ponded for short periods until the water evaporates. The hazard of soil blowing is very high when the soil is dry. These soil units are used mainly for recreation and as wildlife habitats. They are usually barren of vegetation (reference B-5).

e. Hydrology

(1) There is no surface water on the site, though there are some intermittent streams in the hills immediately to the west. Parts of the lake bed may be covered with water after heavy rains, but this water does not remain very long.

(2) The water table contour line from a US Geological Survey study noted that the groundwater level at the southwestern edge of the lake is about 50' below the surface. Using the steel tape method, a well east of the lake bed reached water at about 130' below the surface in 1994. However, this is not a flowing well. The study added that the southern part of the Helendale Fault near Lucerne is an effective barrier to subsurface flow. The direction of ground-water movement on the east side of this fault is toward Lake Lucerne. Ground-water flow patterns in the area of Lake Lucerne have not changed substantially since the first study in 1916 (reference B-5).

f. Natural Resources

The U.S. Fish and Wildlife Service provided a letter stating that the desert tortoise is considered a threatened species (see document F-1).

g. Historical/Cultural Resources

The California Archeological Inventory stated that there are no sites recorded for the PBR #6. However, the letter added that the area has not been well-surveyed (reference B-7). A complete survey is recommended should the Corps decide to perform work on this site.

Type	Comments
Wildlife	Desert tortoise (threatened)
Cultural/Historical	None recorded

4. HISTORICAL ORDNANCE PRESENCE

a. Chronological Site Summary

(1) The land for Victorville Army Air Field (AAF) was acquired in June 1941, and construction began a month later. The first class of bombardier cadets arrived on 24 February 1942. Most of the construction work was finished in March 1942, and the field opened as an Advanced Twin-Engine Pilot Training School and

Bombardier Training School. The first class of bombardiers (40 students) graduated on 22 May 1942, and the last class graduated on 23 December 1944 (reference B-38).

(2) Early bombardier classes used the Muroc Bombing Range (now part of Edwards AFB) located northwest of Victorville. In March 1942, the contract was awarded for the construction of the Victorville PBRs, and by 20 April 1942, all targets were completed and available for use. However, the government did not officially acquire all the PBR #6 land until December 1942. Victorville AAF declared the site surplus on 12 April 1945, and PBR #6 was subsequently returned to the BLM and private ownership by 1950 (references B-17 and B-65).

(3) Throughout WWII, Victorville AAF trained various types of aircrew. In addition to the Twin Engine (Feb to Nov 1942) and Bombardier Training, other missions included Advanced Glider Pilot Training (Nov 1942 to Apr 1943), P-39 Transition Training (Mar to Oct 1944), B-25 Transition Training (dates unknown), and B-24 Radar Observer (Bombardment) Training (Sep 1944 to 1945). When WWII ended in 1945, the mission at Victorville AAF changed to one of storage for surplus aircraft. In June 1950, the field was reactivated as George Air Force Base, and trained fighter pilots until it closed in 1992 under BRAC 1988 (reference B-38).

TABLE 4-1
SUMMARY OF CHRONOLOGICAL HISTORY

Date	Action
Feb 1942	First bombardier cadet class arrives
Mar 1942	Airfield construction complete
20 Apr 1942	Victorville targets ready for use
May 1942	First bombardier class graduates
Dec 1944	Last bombardier class graduates
12 Apr 1945	PBR # 6 declared excess by Victorville AAF
Oct 1945	Victorville AAF placed on inactive status
1 Mar 1946	WAA assumes custody of PBR #6
1949-1950	PBR #6 lands returned to BLM and private owners
June 1950	Victorville AFB renamed George AFB
Dec 1992	George AFB closes under BRAC 1988

b. Ordnance Related Records Review

(1) Introduction

(a) Research efforts began with a thorough review of all reports, historical documents, and reference material gathered during the archival search. During this review, an effort was made to focus on areas of OE presence described in previous reports as well as additional areas that were identified during the research.

(b) A 31 January 1942 construction progress report noted completion of the bombsight storage building and future work on the black powder storage building. There was no mention of storage for high explosive (HE) bombs. In addition, the report stated that "Sites for auxiliary landing fields and bombing targets were inspected but no work was executed." (reference B-80).

(c) A 13 February 1942 letter described the 18 proposed bombing ranges and stated "The targets will be used for training aerial Bombardiers using one hundred pound (100 lb) sand loaded, practice bombs" and later added "No additional ordnance storage facilities will be required for range operation." (see document F-2).

(d) One report noted that the early bombardier classes had to use the Muroc Bombing Range because the Victorville targets had not been completed. Construction began on the 18 PBRs on 11 March 1942, and was completed on 20 April 1942. Use of the Victorville targets presumably began soon afterwards. While some of the PBRs had outlines of structures or ships as well as target circles, PBR #6 only had the target circles (reference B-65).

(e) In July 1943, Victorville AAF Post Engineers took over range construction and maintenance, while Range Department continued maintenance of lighting equipment and cleaning of target areas. This "cleaning" implies that expended practice bombs were removed from the sites. A list of aircraft assigned during 1943 showed all trainers and gliders, with the AT-11 as the only type that could drop bombs (reference B-87).

(f) Technical Manual (TM) 1-250, Precision Bombing Practice, was the War Department's manual for the training of bombardiers. This provided specific requirements for accuracy, altitude, forms, and other details, but did not provide specific information on types of bombs used (reference B-101).

(g) A post-war study entitled "Individual Training of Bombardiers" noted that in 1942, the Flying Training Command was directed to require that each bombardier student drop one HE demolition bomb in addition to the approximately 200 practice bombs (reference B-93). Dropping demolition bombs was part of the Victorville training until mid-1944, when an historical report said "...Beginning with bombardier class 44-9, the practice of dropping 100-pound demolition bombs has been discontinued by instructions from higher authority." (reference B-67).

(h) Historical records showed that only certain ranges ("Y" and "Z") were used for demolition bombing. A 1943 map specifically states "Use demolition targets only for demolition bombing", implying the numbered targets were limited to practice bombs (see document L-3). One report stated that "One hundred pound sand filled practice bombs were used on all targets except Demolition Targets Y and Z. Five hundred pound demolition bombs were used on Targets Y and Z." In addition, the demolition targets were larger than the PBRs. The PBRs were all one square mile, while the demolition targets "Y" and "Z" were a minimum of two square miles (see document F-4). This additional acreage provided a greater safety distance for the more hazardous high explosive bombs.

(i) The only ordnance specifically documented as being used on this site was 100 pound practice bombs (see document F-2). The preferred and most common practice bomb was the M38A2, which was sand filled with a black powder spotting charge. Because of a production shortage of the M38A2, the Army Air Forces often substituted the M85 concrete bomb, the Navy's MK15 sand or water filled bomb, and the M47A2 chemical bomb body filled with sand (reference B-93).

(j) A late 1944 history of Victorville AAF report noted that in an average month bombardiers dropped 23,655 bombs, but provided no breakdown of the types of bombs (reference B-63). A December 1944 shipping and receiving report listed the receipt of practice bombs M38A2, chemical bombs M47A2, and concrete bombs M85 (see document E-2). This report noted the expenditure of M38A2 practice bombs as well as M47A2 chemical bombs, and a reported dud rate of .02%.

(k) Victorville AAF officially abandoned PBR #6 on 12 Apr 1945, thus beginning the long process of returning the lands to the original owners (see documents E-4, E-5, and F-4). Several of the inspection reports mentioned the presence of so-called bomb fragments and unexploded bombs without specifying types (see documents E-5 and F-6 thru F-8). However, one did note that "... the explosive charge used in these bombs was small",

confirming that they were practice bombs with a spotting charge (see document F-6).

(1) A bomb and shell disposal team conducted surface deduoding operations at four Victorville PBRs and two demolition targets between July and October of 1947 (see document E-7). Without specifying locations, their report listed the duds found and destroyed as:

2 bomb, 2000 pound, light case, HE, M56
13 bomb, 100 pound, HE
1 bomb, flare, aircraft, parachute, M26
629 bomb, practice, M38A2

It is likely that the only items found on PBR 6 were the M38A2 practice bombs, as this site was not used as a night or HE bombing target. The October 1947 report added there were 236 tons of scrap on the six ranges, though this scrap was apparently removed later. The March 1948 Corps of Engineers deduoding certificate stated that all military scrap and anything dangerous or explosive had been removed (see document E-8). There was no restriction to surface use only on PBR #6, which would have implied the presence of sub-surface duds.

c. Interviews With Site-Related Personnel

(1) Glenn Brooks was stationed at Victorville AAF from September 1941 to April 1943 as an enlisted maintenance man. The only bombs he ever saw or knew of were the 100 pound sand-filled practice bombs with a smoke charge. He occasionally flew with the cadets on training missions in AT-11s and never saw anything other than practice bombs being used (see document I-1).

(2) Owen Cooper trained as a bombardier at Victorville, graduating in March 1943. He flew in the AT-11 on training missions to ranges all around Victorville, and all he ever dropped was 100 pound sand filled practice bombs with a spotting charge. He never saw an HE bomb at Victorville and was unaware of other cadets dropping them (see document I-2).

(3) Deputies Bill Myers and Bob Hall are assigned to the San Bernardino County Sheriff's Department Bomb Squad. They respond to over 200 calls per year on military ordnance, some of which have been moved from their initial site. They were not aware of any specific OE finds on PBR #6 (see document I-3).

(4) MSgt Hepner and TSgt Glinka are assigned to the EOD unit at Edwards AFB. Neither could recall responding to incidents at any of the Victorville PBRs, though they added that

the Fort Irwin EOD detachment would normally cover that area (see document I-4).

(5) CPT Grimes is the Commanding Officer of the 759th EOD Company at Fort Irwin. Neither he nor two of his senior NCOs could recall responding to any calls to the Victorville PBRs (see document I-5).

(6) Jerry Bronson is the supervisor of BLM law enforcement for the north zone, which includes the Victorville PBRs. He recalled someone finding ordnance in the vicinity of target N-3, but he did not know exact locations for other items his rangers have observed. He added that his men always call the Fort Irwin EOD unit (see document I-6).

5. SITE ELIGIBILITY

a. Confirmed Formerly Used Defense Site

(1) Former DoD usage of PBR #6 was previously confirmed as summarized in section 2. Historical documents, personal interviews, and a site visit confirmed previous Army Air Forces usage of the site as a bombing target from 1942 until 1945.

(2) By 1950, these lands had been returned to the original owners. No ownership remains with any DoD component.

b. Potential Formerly Used Defense Site

The ASR team did not learn of any potential FUDS. However, the team identified 850 acres of additional land that were not qualified in the FDE. During the site inspection, the team observed remains of practice bombs in area C. The additional buffer zone, area D, may contain practice bombs due to its proximity to areas A and C.

TABLE 5-1 ADDITIONAL LANDS					
AREA	FORMER USAGE	PRESENT OWNER	PRESENT USAGE	SIZE/ACRES	COMMENTS
C	Additional Impact Zone	See plate 6	None	168	See plate 4, & photos J-13 thru J-15
D	Additional Buffer Zone	See plate 6	Power lines	682	See plate 4 & photos J-16 thru J-18
				Total:	850 acres

6. VISUAL SITE INSPECTION

a. General Procedures and Safety

(1) Members of the assessment team visited the site on 22 January 1998. The primary task of the team was to assess OE presence and potential due to former usage as an impact area. Site inspection was limited to non-intrusive methods; i.e. subsurface sampling was neither authorized nor performed.

(2) A site safety plan was developed and utilized by the assessment team to assure safety from injury during the site inspection of this facility. Prior to the inspection, a briefing was conducted which stressed that OE should only be handled by military EOD personnel (reference B-2).

(3) Prior to the site visit, a thorough review of all available reports, historical documents, texts, and technical ordnance reference materials gathered during the historical records search portion was made to ensure awareness of potential ordnance types and hazards.

b. Area A: Impact Zone

(1) Area A comprises the western $\frac{3}{4}$ of the original project area. Although one can drive westward across Lake Lucerne from Highway 247, the easiest access to all OE project areas is via the trail from the north which parallels the power lines. This trail passes through area D before reaching the edge of area A (see plate 4).

(2) Although the extreme northwest corner of area A has some scattered vegetation, the rest of the area is a dry lake bed with very little plant growth (see photos J-1 and J-2). The flat surface makes it fairly easy to spot metal parts, though the area has been well cleared of scrap metal. Most of the items observed were small pieces of 100 pound practice bombs (see photos J-3, J-4, and plate 5).

(3) The asphalt coating is gone from the target circle, but the outlines of the rings are still visible (see photo J-5 and plate 5). A pile of white quartz rock marks the target center (see photo J-6 and plate 5), and it was near the center that the ASR team observed the largest concentration of inert bomb debris (see photos J-7, J-9, and plate 5). The team also observed some .50 caliber slugs and a ruptured cartridge case (see photo J-8 and plate 5).

(4) Going away from the target center, there were additional scattered metal parts from practice bombs (see photo

J-10 and plate 5). The team did not observe any complete practice bombs or live spotting charges from these practice bombs. In addition, there were no craters or fragments to suggest that HE bombs were ever used at this site.

c. Area B: Buffer Zone

This area is east of area A and within the one square mile parcel acquired for PBR #6. The entire area is on the dry lake bed. The ASR team did not observe any pieces of practice bombs or any military related items (see photos J-11 and J-12 and plate 5). This is most likely because the target center was constructed on the western part of the one square mile parcel (see plate 3).

d. Area C: Additional Impact Zone

Most of this area is in the dry lake bed, though the northwest corner includes the gently sloping land toward the mountains (see photo J-15 and plate 5). The ASR team observed some scattered inert metal parts from practice bombs (see photos J-13, J-14, and plate 5). This area was not part of the one square mile parcel of PBR #6, but it was 1500' from the target center and some practice bomb debris was found here. As in area A, the team did not see any HE fragments or craters.

e. Area D: Additional Buffer Zone

This area is north, west, and south of the target center and surrounds areas A and C. Most of it is the dry lake bed, though the northwest corner includes the powerlines and gently sloping hills (see photos J-16 thru J-20 and plate 5). The team did not observe any pieces of practice bombs or any military related metal parts.

7. EVALUATION OF ORDNANCE HAZARDS

a. General Procedures

(1) Each area was evaluated to determine confirmed, potential, or uncontaminated ordnance areas. Confirmed ordnance and explosives (OE) presence is based on verifiable historical record evidence or direct witness of OE items (with explosive components and/or inert debris/fragments) since site closure. Additional field data is not needed to identify a confirmed site.

(2) Verifiable historical record evidence is based on OE items actually seen on site since site closure and authenticated by: historical records (Archive Records, Preliminary Assessment Reports, Site Investigation Reports), local fire departments and

law enforcement agencies/bomb squads, military Explosive Ordnance Disposal (EOD) Units, newspaper articles, photographs, or maps.

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

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

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

(6) Inference from present-day site features would be the indication of possible OE presence from such obvious features as target circles, depressions, mounds/backstops, OB/OD areas/pits, etc. Indirect witness would be people who have stated that they have heard of OE presence on-site (hearsay evidence).

(7) No ordnance presence subsites are based on a lack of confirmed or potential ordnance. There is no reasonable evidence, either direct or inferred, to suggest present day ordnance presence. Additional field data is not needed to assess these subsites.

b. Area A: Impact Zone

(1) This area is considered **confirmed** based on the ASR team's observation of inert pieces of practice bombs and small arms (see photos J-3, J-4 and J-7 thru J-10). It was part of the one square mile parcel obtained by the Army in 1942 for a precision bombing range (see documents F-2, F-3, F-5, and L-1). Although HE bombs were used on Victorville Demolition Ranges "Y" and "Z" (see document L-3), there is no evidence to indicate the use of HE items on PBR #6 (see documents I-1 and I-2).

(2) There was no historical data to indicate firing of .50 caliber rounds in this area (see photo J-8), and the small size of the PBR does not meet the requirements for a strafing

range. The condition of the cartridge case suggests that it had been burned and not fired. One possible explanation is that the 1947 Bomb and Shell Disposal Team found these on another range and brought them to PBR #6 for disposal.

c. Area B: Buffer Zone

This area is considered to have **potential** ordnance presence based upon its proximity (about 3,000') to the target center. Although area B was part of the one square mile parcel acquired for the PBR, the target center was offset to the west (see plate 3). The ASR team did not observe any metal bomb pieces in this area (see photos J-11 and J-12 and plate 5).

d. Area C: Additional Impact Zone

Area C is considered **confirmed** because the ASR team observed numerous inert metal parts from practice bombs (see photos J-13 and J-14). This area was not part of the original one square mile parcel qualified in the FDE, but because the target center was offset to the west (see plate 3), practice bombs landed in area C.

e. Area D: Additional Buffer Zone

This area is considered to have **potential** ordnance presence based upon its proximity (about 3,000' at the closest points) to the target center. This area was not part of the one square mile parcel qualified in the FDE but essentially surrounds confirmed areas A and C. Since the target center was offset to the west (see plate 3), there is a potential for ordnance presence. The ASR team did not observe any metal bomb pieces in this area (see photos J-16 thru J-20 and plate 5).

8. SITE ORDNANCE TECHNICAL DATA

a. End Item Technical Data

The ASR team observed pieces of M38A2 practice bombs as well as .50 caliber slugs and cartridge cases. Drawings of some of these can be found in appendix D. Table 8-1 on the next page provides data on the ordnance items.

TABLE 8-1 AMMUNITION USED AND EXPLOSIVE/CHEMICAL FILLER		
Item	Type/Model	Filler/Weight
.50 caliber	Ball, M2	Lead filler, gilding metal Jacket, soft steel core
	Case, cartridge	Percussion primer, 235 grains Smokeless powder
Bomb, practice	M38A2 w/M1 spotting charge	100 lbs sand, blank 20 gauge Shotgun shell, 3 lbs black powder
Bomb practice, Concrete	M85 w/M1 Spotting charge	95 lbs concrete, blank 20 Gauge shotgun shell, 3 lbs Black powder

b. Chemical Data of Ordnance Fillers

Table 8-2 lists chemical data of some of the ordnance fillers noted in table 8-1.

TABLE 8-2 CHEMICAL DATA OF ORDNANCE FILLERS		
Filler	Synonym(s)	Chemical Formula
Smokeless Powder	FNH Powder	
Nitrocellulose	Nitrocotton	$C_3H_5(ONO_2)_3$
Dinitrotoluene	DNT	$C_6H_2CH_3(NO_2)_2$
Dibuytlphalate	Gelling Agent	$C_6H_4(CO_2C_4H_9)_2$
Diphenylamine	DPA, stabliizer	$(C_6H_5)_2NH$
Black Powder		
72% Sodium Nitrate		$NaNO_3$
11% Sulfur		S
16% Charcoal		C

9. OTHER ENVIRONMENTAL HAZARDS

a. Hazardous, Toxic, and Radiological Waste

There is no evidence that any HTRW material was ever brought onto PBR #6.

b. Building Demolition/Debris Removal

Other than the asphalt target circle and the barbed wire fencing, there was nothing built on this site. There are a few

fence posts remaining, but they do not pose a hazard. In addition, it cannot be determined if they are the original posts for the PBR.

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APPENDIX A

REFERENCE SOURCES

Reference Sources

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
FEDERAL AGENCIES			
Department of Defense			
Defense Library on Disk Pentagon Library, Room 1A518 Washington, DC 20310-6000	Computer Search (DLOD)	(703) 697-4658	No Information
National Imagery and Mapping Agency (NIMA/IDS) 5801 Tabor Avenue Philadelphia, PA 19120-5098	Mr. Steven	(800) 826-0342	No Information
Defense Technical Information Center 8725 John J. Kingman Road Suite 0944 Fort Belvoir, VA 22060-6218	Computer Search (DTIC)	(703) 767-8274	No Information
Department of Defense Explosives Safety Board (DDESB) 2461 Eisenhower Avenue Alexandria, VA 22331-0600	Computer Search	(703) 325-8624	No Information
National Imagery and Mapping Agency ATTN: ISDFR 4600 Sangamore Road Bethesda, MD 20816	Bill Harris	(800) 826-0342	No Information
Army			
759th Ordnance Company Building 520 Ft Irwin, CA 92310	CPT Grimes 1SG Fortney SFC Woods	(760) 380-4092	Interview (I-5)
Center of Military History ATTN: DAMH-RAS 1099 14th Street NW Washington, DC 20536	Staff	(202) 761-5416	See Appendix B, Section II, Parts A and B

Reference Sources

(continued)

Organizations	Name	Telephone	Nature of Support
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GOVERNMENT SOURCES

Department of Defense (continued)

Army (continued)

IOC Historical Office ATTN: AMSIO-EAH, Building 390 Rock Island Arsenal Rock Island, IL 61299	Tom Slattery	(309) 794-1450	No Information
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Defense Logistics Studies Information Exchange US Army Logistics Management College Fort Lee, VA 23801-6043	Computer Search (DLSIE)	(804) 734-4007	No Information
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Rock Island Arsenal Museum ATTN: SMCRI-PCA-M Building 60 Rock Island, IL 61299	Chris Leinicke	(309) 794-5021	No Information
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U.S. Army Chemical School Fisher Library Building 1081 Fort McClellan, AL 36205	Richard Pastorett	(205) 848-4414	No Information
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U.S. Army Ordnance Museum ATTN: ATSL-DOS-M Building 2601 Aberdeen PG, MD 21005-5201	Rodger Godin	(410) 278-3602	No Information
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U.S. Military History Institute Carlisle Barracks Carlisle, PA 17013-5008	Richard Sommers	(717) 245-3611	No Information
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U.S. Military History Institute Photo Archives Carlisle Barracks Carlisle, PA 17013	Mike Winey	(717) 245-3434	No Information
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Reference Sources

(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
Department of Defense (continued)			
Army (continued)			
US Army Chemical & Biological Defense Command ATTN: AMSCB-CIH Aberdeen Proving Ground, MD 21010-5423	Kathy Ciolfi	(410) 671-4430	Negative Report
USACE, Office of History Humphries Engineer Center 7701 Telegraph Road Alexandria, VA 22310-3865	Martin Gordon	(703) 355-3558	See Appendix B, Section II, Parts A and B
USACE-Los Angeles District 911 Wilshire Blvd. Los Angeles, CA 93043	Deb Castens Greg Boghossian Jeff Armentrout Richard Nagle Delores Henderson	(213) 452-3719	Background Information
USACE-Los Angeles District Southern California Area Office 10845 Rancho Bernardo Road Suite 204 Rancho Bernardo, CA 92127	Jim Walker B.J. Allen	(619) 674-6789	Referral
Air Force			
Air Force Historical Research Agency 600 Chennault Drive Maxwell AFB, AL 36112	Thomas Dean	(334) 953-2395	No Information
95th CEG Edwards Air Force Base, CA	MSGT Hepner TSGT Glinka	(805) 277-2162	Interview (I-4)

Reference Sources

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Organizations	Name	Telephone	Nature of Support
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GOVERNMENT SOURCES

Department of Defense (continued)

Navy

U.S. Naval Civil Engineering Support Office Building 20, 1023rd Avenue Port Hueneme, CA 93403-4310	Bob Brickley Cliff Ledderer	(805) 982-5593	No Information
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Naval Construction Battalion Center (NCBC) Technical Information Center ATTN: Code 72 1100 23rd Avenue Port Hueneme, CA 93043	Brian Thompson	(805) 982-1124	No Information
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Naval Construction Battalion Center (NCBC) Civil Engineering Support Office ATTN: Code 15 1100 23rd Avenue Port Hueneme, CA 93043	Mona Leon-Guerrero	(805) 982-3057	No Information
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NAVEODTECDIV Technical Library 2008 Stump Neck Road Indianhead, MD 20640-5070	Betty Arbogast Dawn Risko	(301) 743-6834	No Information
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Naval Construction Battalion Center (NCBC) ATTN: CODE 10H-NAVFAC Historian 10 23rd Avenue Port Hueneme, CA 93043	Dr. Vince Transano Carol Marsh	(805) 982-5913 (805) 982-5569	No Information
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Marine Corps Air Ground Combat Center EOD Unit Twenty Nine Palms, CA 92272	MAJ Allston	(760) 830-7215	No Information
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Reference Sources

(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
Department of Defense (continued)			
Navy (continued)			
Navy Historical Center Building 57 Washington Naval Yard Washington, DC 20374	Staff	(202) 433-3171	See Appendix B, Section II, Parts A and B
Marine Corps Historical Center Building 58 Washington Naval Yard Washington, DC 20374	Staff	(202) 433-3483	See Appendix B, Section II, Parts A and B
National Archives and Record Administration			
National Archives Archives II (Cartographic/Architectural Branch) 8601 Adelphi Road College Park, MD 20740	Staff	(301) 713-7040	See Appendix B, Section II, Parts A and B
National Archives Archives II (Civil Reference Branch) 8601 Adelphi Road College Park, MD 20740	Staff	(301) 713-7250	See Appendix B, Section II, Parts A and B
National Archives Archives II (Still Picture Branch) 8601 Adelphi Road College Park, MD 20740	Staff	(301) 713-6660	See Appendix B, Section II, Parts A and B
National Archives Archives II (Motion Picture Branch) 8601 Adelphi Road College Park, MD 20740	Staff	(301) 713-7060	See Appendix B, Section II, Parts A and B

Reference Sources

(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
National Archives and Record Administration (continued)			
	National Archives Archives II (Textual Branch) 8601 Adelphi Road College Park, MD 20740	Staff (301) 713-7250	See Appendix B, Section II, Parts A and B
	National Archives Archives I (Modern Military) Pennsylvania Avenue & 7 th Washington, DC 20408	Staff (202) 501-5385	See Appendix B, Section II, Parts A and B
	National Archives Archives I (Old Military) Pennsylvania Ave. & 7th Washington, DC 20408	Staff (202) 501-5390	See Appendix B, Section II, Parts A and B
	National Archives Archives I (Navy) Pennsylvania Ave. & 7th Washington, DC 20408	Staff (202) 501-5671	See Appendix B, Section II, Parts A and B
	NARA-Archives II (Civil Reference Branch) 8601 Adelphi Road College Park, MD 20740	Staff (301) 713-7250	See Appendix B, Section II, Parts A and B
	Washington National Records Center 4205 Suitland Road Suitland, MD 20409	Staff (301) 457-7000	See Appendix B, Section II, Parts A and B
	National Personnel Records Center 9700 Page Avenue St. Louis, MO 63132	Wilson Sullivan (314) 538-4085	See Appendix B, Section III, Parts A and B

Reference Sources

(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
National Archives and Record Administration (continued)			
NARA-Pacific Region (Laguna Niguel) 24000 Avila Road Laguna Niguel, CA 92607	Suzanne Dewberry	(714) 360-2641	See Appendix B, Section II, Parts A and B
NARA-Pacific Region (San Francisco) 1000 Commodore Drive San Bruno, CA 94066-2350	Bill Greene Lisa Miller	(415) 876-9015	See Appendix B, Section II, Parts A and B
Department of the Interior			
EROS Data Center Sioux Falls - ESIC U.S. Geological Survey Sioux Falls, SD 57198	Staff	(605) 594-6151	Aerial Photographs
USGS Information Services Box 25286, Bldg 810 Denver Federal Center Denver, CO 80225	Staff	(303) 202-4700	Topographical Maps
Bureau of Land Management 6221 Box Springs Blvd. Riverside, CA 92507	John Keyes	(909) 697-5383	No Information
Bureau of Land Management Barstow Resource Area 150 Coolwater Lane Barstow, CA 92311	Jerry Bronson Tim Reab	(619) 255-8700	Interview (I-6)
U.S. Fish and Wildlife Service Ecological Services 2493 Portola Road, Suite B Ventura, CA 93003	Ray Branfield	(805) 644-1766	Information Concerning Endangered/Threatened Species

Reference Sources

(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
Department of Commerce			
NOAA National Climatic Data Center Federal Building, Room 305 Ashville, NC 28801	Yolanda Goosch Sam Mccowan	(704) 271-4272	Climatic Data
NOAA Air Force Weather Service 151 Patton Avenue, Room 120 Ashville, NC 28801	Janet Wall	(704) 271-4404	Climatic Data
Department of Agriculture			
Consolidated Farm Service Agency 44811 Date Avenue West Lancaster, CA 93534	Doug Brand Holleen	(805) 942-9549	No Information
Natural Resource Conservation Service 18484 Highway 18, Suite 195 Apple Valley, CA 92307	Jackie Lindgren Rick Aguayo	(760) 242-2906	Soil Survey
Natural Resources Conservation Service P.O. Box 788115 Building 1456, Griffin Road Twenty-nine Palms, CA 92278	John Rule	(760) 830-7011	No Information
Aerial Photography Field Office P.O. Box 30010 2222 West 2300 South Salt Lake City, UT 84131-0010	Sherrie Holyoak	(801) 975-3503	No Information
United States Congress			
Library of Congress Geography And Map Division Washington, DC 20536	Staff	202-707-5522	See Appendix B Section II Parts A and B

Reference Sources

(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
Smithsonian Institution			
Smithsonian National Air and Space Museum Historical Research Division Washington, DC 20560	Staff	(202) 357-3133	See Appendix B, Section III, Parts A and B
State Agencies			
California State Archives 1020 East O Street Sacramento, CA 92415	Mr. Metzger	(916) 653-2246	No Information
California State Historic Preservation Office San Bernardino Archaeological Information Center 2024 Orange Tree Lane Redland, CA 92374	Robin Laska	(909) 792-1497 Fax 798-8585	Information Concerning Historical, Cultural and Archaeological Resources
California State Library California History Section 914 Capitol Hall Library and Courts Building Sacramento, CA 94237	John Gonzales Sybylle Zemitis	(916) 654-0176	No Information
California State Library Government Documents Section 914 Capitol Hall 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	Reference Librarian	(909) 880-5084	No Information

Reference Sources

(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
State Agencies (continued)			
State of California Department of Fish and Game 1416 9th Street Sacramento, CA 95814	Internet	http://www.dfg .ca.gov/ Endangered/ Endangered .html	Endangered Species Information
University of California P.O. Box 19557 Irvine, CA 92110	Reference Desk	(714) 824-6836	No Information
University of California Government Documents Department P.O. Box 19557 Irvine, CA 92110	Jeff Schneidewind Kay Collins	(714) 824-7234	No Information
University of California Archives P.O. Box 19557 Irvine, CA 92713	Mary Ellen Goddard	(714) 824-7193	Referrals
County and Local Agencies			
San Bernardino County Archives 777 East Rialto Avenue San Bernardino, CA 92415	Jim Hoffer	(909) 387-2030	No Information
San Bernardino County Assessor 172 West 3rd Street San Bernardino, CA 92415	Staff	(909) 387-8307	Real Estate Information
San Bernardino County Flood Control 825 East 3rd Street San Bernardino, CA 92415	Gary Duncan	(909) 387-2529	No Information
San Bernardino County Library Victorville Branch Victorville, CA 92392	Mr. Booker	(619) 245-4222	Referral

Reference Sources

(continued)

Organizations	Name	Telephone	Nature of Support
GOVERNMENT SOURCES			
County and Local Agencies (continued)			
San Bernardino County Library Adelanto Branch 11744 Bartlett Avenue Adelanto, CA 92301-1753	Staff	(619) 246-5661	No Information
San Bernardino County Library Lucerne Valley Branch 33103 Old Woman Springs Rd Lucerne Valley, CA 92356	Reference Desk	(619) 248-7521	Referral
San Bernardino County Museum 2024 Orange Tree Lane Redlands, CA 92374	Robin Laska Noella Benvenuti Pamela Frost	(909) 798-8570	No Information
San Bernardino County Planning 385 North Arrowhead Avenue San Bernardino, CA 92415	Marla Taub	(909) 387-4131	No Information
San Bernardino County Sheriff's Department Barstow Station 225 East Mountainview Barstow, CA 92311	Sergeant Jecusco	(760) 256-4841	Negative Report
San Bernardino County Sheriff's Department Bomb Squad 655 East 3rd Street San Bernardino, CA 92415	Tom Alsky Bill Myers Bob Hall	(909) 387-3598 -3606 -3601 Fax: -3455	Interview (I-3)
San Bernardino Public Library 555 West 6th Street San Bernardino, CA 92415	Chris Shovey	(909) 381-8208	Background Information

Reference Sources

(continued)

Organizations	Name	Telephone	Nature of Support
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NON-GOVERNMENT SOURCES

National Agencies

Council on America's Past 518 Why Worry Lane Phoenix, AZ 85021	Heliogram Publication	(800) 396-4693	No Information
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Online Computer Library Center 6565 Frantz Road Dublin, OH 43017-3395	Computer Search (OCLC)	(800) 848-5878	No Information
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Coast Defense Study Group, Inc. 731 Baltimore Pike Bel Air, MD 21014	Publication		No Information
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Scientific and Technical Information Library System 689 Discovery Drive Huntsville, AL 35806	Computer Search (STILAS)	(205) 922-9820	No Information
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Air Force Times 6883 Commercial Drive Springfield, VA 22159	Locators Staff	(800) 368-5718	Locator Service
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Knight-Ridder Information Inc 2440 El Camino Mountain View, CA 94040	Computer Search (DIALOG)	(800) 334-2564	No Information
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State Historical Society of Wisconsin Library 816 State Street Madison, WI 53706	Staff	(608) 264-6534	Post Newspaper
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Local Agencies

California Historical Society 678 Mission Street San Francisco, CA 94105	Beth Graham	(415) 357-1848	No Information
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Reference Sources

(continued)

Organizations	Name	Telephone	Nature of Support
NON-GOVERNMENT SOURCES			
Local Agencies (continued)			
Mojave Historical Society P.O. Box 68 Victorville, CA 92392			Referral
San Bernardino Visitor and Convention Bureau 201 North E. Street San Bernardino, CA 93063	Staff	(909) 889-8937	No Information
Victorville Chamber of Commerce 14174 Greentree Boulevard Victorville, CA 92392	Sally Martinez	(760) 245-6506	No Information
Victorville Museum 11873 Apple Valley Road Apple Valley, CA 92307	Walter Day Wayne Fowlie	(619) 240-2111	No Information
Individuals			
Mr. Glenn Brooks (former airman)		(405) 732-8877	Interview (I-1)
Mr. Owen Cooper (former airman)		(410) 747-5991	Interview (I-2)

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APPENDIX B

REFERENCES AND ABSTRACTS

Appendix B
References and Abstracts

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SECTION II: NATIONAL CAPITOL REGION RECORDS FINDINGS

PART A: POSITIVE FINDINGS

PART B: NEGATIVE FINDINGS

SECTION III: REGIONAL NATIONAL ARCHIVES FINDINGS

PART A: POSITIVE FINDINGS

PART B: NEGATIVE FINDINGS

APPENDIX B

SECTION I

BIBLIOGRAPHY

- B-1. Rock Island District Main Site Safety Plan, CENCR-ED-DN, 25 June 1992.
- B-2. Site Specific Safety and Health Plan #A-209 for Victorville PBRs, CEMVR-ED-DO, 14 January 1998.
- B-3. Los Angeles District (CESPL) Inventory Project Report (INPR), 23 July 1991 (E-1).
- B-4. National Oceanic and Atmospheric Administration, Climate of California, Asheville, NC, June 1982.
- B-5. San Bernardino County/Mojave River Area Soil Survey, Soil Conservation Service, US Department of Agriculture/University of California Agricultural Experiment Station, February 1986.
- B-5. "Data and Water-Table Map of the Mojave River Ground Water Basin, San Bernardino County, November 1992", US Geological Survey, 1995.
- B-6. Letter, US Department of the Interior, Fish and Wildlife Service, Ventura CA, 19 December 1997, subject: Species List for the Former Victorville Precision Bombing Range, San Bernardino County, CA (F-1).
- B-7. Letter, California Archeological Information Center, Redlands CA, 11 November 1997, general subject: Report on Cultural & Historical Sites.
- B-8. 1955 and 1989 aerial photographs provided by US Geological Survey, EROS Data Center, Sioux Falls SD (K-3).
- B-9. Various 1943-1945 aerial photos of Victorville AAF and auxiliary fields, provided by 11th Comm Squadron, Andrews AFB MD.
- B-10. Endicott, Sgt Bill, "Bombardier", *Bombs Away*, the official newsletter of Victorville Army Air Field, 15 March 1944.
- B-11. "News", *Bombs Away*, the official newsletter of Victorville Army Air Field, 15 March 1944.

Note: Documents B-12 thru B-18 were obtained at the National Personnel Records Center, St Louis MO.

B-12. Map, Victorville Army Air Field, Regional Map of VAAF and Satellite Facilities, Post Engineer, September 1943, RG 342, Acc 18-44A6005, Box 04-35-74-1-5.

B-13. Letter, Hqs Air Corps Advanced Flying School, Victorville, 13 February 1942, subject: Information Pertaining to Bombing Ranges, ACAFS, Army Air Base, Victorville, CA, RG 342, Acc 342-53A-4077, Box 06-23-58-9-3 (F-2).

B-14. Letter, US Engineer Office, Los Angeles, 4 April 1942, subject: Victorville Army Flying School, Victorville CA, Contract W-509-Eng.2196 - Bombing Targets - Notice of Completion and Release to Air Corps, RG 342, Acc 342-53A-4077, Box 06-23-58-9-3.

B-15. Letter, Hqs Air Materiel Command, Wright Field, Dayton OH, 10 October 1946, subject: Decontamination of Bombing and Gunnery Ranges, RG 342, Acc 342-53A-4077, Box 06-23-58-9-3.

B-16. Dedudding Report on Bombing Targets Formerly Assigned to Victorville Army Air Field, Headquarters Victorville AAF, 25 September 1946, RG 342, Acc 342-53A-4077, Box 06-23-58-9-3 (E-6).

B-17. Letter, Hqs Victorville Army Flying School, 12 April 1945, subject: Abandonment of Target #6, Acc 342-53A-4077, Box 06-23-58-9-3 (F-3).

B-18. Report, Statistical Data on Bombing Ranges, Victorville AAF, 11 March 1947, RG 342, Acc 342-47A4227, Box 06-23-58-9-5.

Note: Documents B-19 thru B-33 were obtained at the National Archives, Pacific Sierra Region, San Francisco.

B-19. Letter, Corps of Engineers Los Angeles Land Appraisal Office, 3 February 1947, subject: Short Form Appraisal, RG 121, Acc 9N88-121-85-001, Box 46.

B-20. Form 1172, Disposal of Surplus Agricultural and Forest Property, 25 August 1947, US Department of Agriculture, Farm Credit Administration, RG 121, Acc 9N88-121-85-001, Box 46 (F-9).

B-21. Letter, Farm Credit Administration, 19 July 1948, general subject: Disposal of PBR #6, RG 121, Acc 9N88-121-85-001, Box 46.

- B-22. Deduinding certificate, PBR #6, Los Angeles District Engineer, 10 March 1948, RG 121, Acc 9N88-121-85-001, Box 46 (E-8).
- B-23. Letter, 9800 TSU Detachment 14 Bomb and Shell Disposal Team, 20 October 1947, subject: Report on the deduinding of Victorville Bombing Targets, San Bernardino County, CA, RG 121, Acc 9N88-121-85-001, Box 46 (E-7).
- B-24. Memorandum, Federal Land Bank of Berlekey, 29 May 1947, subject: WA Calif 26 FCA 11-41, RG 121, Acc 9N88-121-85-001, Box 46 (F-8).
- B-25. Letter, US Department of Agriculture, Farm Credit Administration, 22 April 1947, general subject: Contamination on PBR #6, RG 121, Acc 9N88-121-85-001, Box 46 (F-7).
- B-26. Memorandum, Bureau of Land Management San Francisco, 28 March 1947, general subject: Contamination on PBR #6, RG 121, Acc 9N88-121-85-001, Box 46 (F-6).
- B-27. Memorandum for File, 4 November 1946, general subject: Conditions at Victorville PBR #6, RG 121, Acc 9N88-121-85-001, Box 46 (F-5).
- B-28. Declaration of Surplus Real Property for part of PBR #6, Form SPB-5, Corps of Engineers Washington DC, 2 October 1945, RG 121, Acc 9N88-121-85-001, Box 46 (E-3).
- B-29. Property Inspection Report on PBR #6, US Department of the Interior, San Francisco, 27 August 1946, RG 121, Acc 9N88-121-85-001, Box 46 (E-5).
- B-30. Land Examination Report on PBR #6, US Department of the Interior, 4 January 1946, RG 121, Acc 9N88-121-85-001, Box 46 (E-4).
- B-31. Letter, US Attorney General Washington, 11 January 1946, general subject: Compensation for Property, RG 121, Acc 9N88-121-85-001, Box 46.
- B-32. Preliminary Certificate of Title, Tract #62, Pioneer Title Insurance and Trust Company, 27 September 1942, RG 121, Acc 9N88-121-85-001, Box 46 (K-2).
- B-33. Quitclaim deed for 240 acres of PBR #6, 12 August 1948, with attached site map, RG 121, Acc 9N88-121-85-001, Box 46 (G-1 & G-2).

Note: Documents B-34 thru B-37 were obtained at NARA Pacific Southwest Region, RG 270, Box 162.

B-34. Letter, Office of Real Property Disposal, Los Angeles, 17 December 1946, subject: Assumption of Custody of Victorville Bombing Target #6, Victorville, CA.

B-35. Letter, War Assets Administration, Washington DC, 17 November 1947, subject: Bombing Target #6, Victorville CA.

B-36. Letter, US Geological Survey, Washington DC, 28 November 1947, general subject: Non-presence of fissionable materials on bombing target #6.

B-37. Letter, originating office unknown, to BLM Washington, 9 February 1949, general subject: End of Requirement for Bombing Target #6 (F-10).

B-38. USAF Historical Division, "Brief History of George AFB, 1941-1950", Maxwell AFB AL, April 1956.

B-39. "Victorville Army Flying School", an official public relations book with text and pictures of VAAF operations, circa 1944.

Note: Documents B-40 thru B- were obtained at NARA Pacific Southwest, Federal Records Center Los Angeles, RG 270, Box 162.

B-40. Map, Real Estate, Victorville AAF Bombing Ranges, 19 June 1945 (L-1).

B-41. Surplus Property Administration Form W.I.-Cal 26, 30 October 1945, general subject: Disposal of Bombing Target #6.

B-42. Letter, Real Estate Division to Department of the Interior General Land Office, 7 November 1945, general subject: Bombing Target #6.

Note: Documents B-43 thru B-60 were obtained at NARA Pacific Region, Laguna Niguel CA.

B-43. Letter, BLM Washington to Corps of Engineers Real Estate Division, 20 August 1946, general subject: Disposal of Bombing Target #6, RG 77 Box 2.

B-44. Letter, Military Reservations Branch to BLM, 2 October 1946, general subject: Disposal of Bombing Target #6, RG 77 Bx 2.

B-45. Letter, Military Reservations Division to BLM, 7 December 1945, general subject: Disposal of Bombing Target #6, RG 77 Bx 2.

B-46. Letter, 2nd Ind, Hqs AAF Training Command to CG AAF, 19 May 1945, subject: Abandonment of Target #6, RG 77 Box 2.

B-47. Letter, Hqs AAF to CG ASF, 11 June 1945, subject: Abandonment of Targets #6, 9, and 15, and Y and Z, Victorville AAF, CA, RG 77 Box 2.

B-48. Letter, 9th Service Command to CO Fort Douglas UT, 1 August 1946, general subject: Clearance of Victorville Targets, RG 77 Box 2.

B-49. Letter, Hqs Camp Haan to 9th Service Command, 20 August 1945, general subject: Dedudding of Victorville Targets, RG 77 Box 2.

B-50. Letter, San Bernardino ATSC, 7 December 1945, subject: Declaration as Excess, Auxiliary Installations of Victorville AAF, Victorville CA, RG 77 Box 2 (F-4).

B-51. Letter, US Engineer Office Los Angeles, 13 November 1946, subject: Cost of Dedudding, Victorville Bombing Targets, RG 77 Box 2.

B-52. Letter, Victorville Flying School, 2 September 1942, subject: Land Acquisition, Bombing Ranges for Victorville Army Flying School, RG 77 Box 27.

B-53. Letter, Hqs Army Air Forces, 11 June 1945, subject: Abandonment of Targets #6, 9, and 13 and Y & Z, Victorville AAF, RG 77 Box 27.

B-54. Military Acquisition Project Report, South Pacific Division Corps of Engineers, 14 November 1947, project: Victorville PBR #6, RG 77 Box 27.

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B-56. Letter, Office of the Chief of Engineers, 21 March 1952, subject: Victorville PBR #6, Audited Installation #1874, RG 77 Box 27.

B-57. Map, Victorville PBR #6 Real Estate, December 1952, South Pacific Division, Corps of Engineers, RG 77 Box 27 (G-3).

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B-59. Real Estate Summary, PSD Form 169, South Pacific Division, circa 1952, RG 270 Box 162.

B-60. Department of the Interior, Amendment to Public Land Order 807, Title 43, Revoking PLO 125, 27 February 1952, RG 270 Bx 162.

B-61. Los Angeles Aeronautical Navigation Chart, 10 August 1944 (L-5).

Note: Documents B-62 thru B-81 were obtained at the Center for Air Force History, microfilm rolls B2747 thru B2649.

B-62. "Comprehensive History of the Victorville Air Force Base, 1 November 1945 to 31 December 1948".

B-63. "History of Victorville Army Air Field, 1 November 1944 to 31 December 1944".

B-64. "Historical Record of Victorville Army Air Field from 7 January 1939 to 7 December 1941".

B-65. "Historical Record of Victorville Army Air Field from 8 December 1941 to 1 January 1943".

B-66. "Historical Record of Victorville Army Air Field from 1 March 1944 to 30 April 1944".

B-67. "Historical Record of Victorville Army Air Field from 1 May 1944 to 30 June 1944".

B-68. "Historical Record of Victorville Army Air Field from 1 January 1943 to 1 March 1944".

B-69. Letter, Hqs Army Air Forces, 7 November 1944, subject: Additional Facilities, Victorville Army Air Field CA.

B-70. Letter, Hqs Western Flying Training Command, 1 October 1945, subject: Non-Use Report, Victorville AAF, Victorville CA.

B-71. Letter, Hqs Army Air Forces Training Command Ft Worth, 20 June 1944, subject: Status and Requirements of Bombing and Gunnery Ranges.

B-72. Letter, Hqs Army Air Forces Training Command Ft Worth, 2 April 1945, subject: Sonic Bomb Scoring Target.

B-73. Letter, Hqs US Army Air Forces Washington, 6 October 1943, subject: Bombing and Gunnery Range Requirements, Victorville Army Air Field, California.

B-74. Range data sheet for all Victorville AAF ranges, circa 1944.

B-75. Letter, Hqs War Department, 14 March 1942, subject: Government-Owned Land Selected to Bombing Ranges for Advance Flying School #4, Victorville CA.

B-76. Letter, Hqs War Department, 17 September 1942, subject: Acquisition of Land (for bombing targets).

B-77. US Department of the Interior, Public Land Order 125, Withdrawing Public Lands for use of the War Department as Bombing Target Sites, 20 May 1943.

B-78. Letter, Hqs Western Flying Training Command, 9 October 1944, subject: Additional Facilities (for B-24s), Victorville AAF.

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B-81. Realty Control File Summary, Victorville PBR #6, circa 1952.

Note: Documents B-82 thru B-87 were obtained at the AFHRA, Maxwell AFB AL.

B-82. History of 3035th ABU and Victorville AAF, 1 January 1945 to 28 February 1948.

B-83. History of Victorville AAF, 1 November to 31 December 1944 (E-2).

B-84. History of Victorville AAF, 1 May 1944 to 30 June 1944, (L-4).

B-85. History of Victorville AAF, 8 December 1941 to 1 January 1943.

B-86. History of Victorville AAF, 1 January 1939 to 7 December 1941.

B-87. History of Victorville AAF, 1 January 1943 to 1 March 1944 (L-2 & L-3).

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B-105. Ordnance Corps drawing 83-3-213, Bomb, Practice, 100 lb, M38A2, 24 December 1937 (D-2).

B-106. Ordnance Corps drawing 82-0-23, Bomb, Practice, 100 lb, M38A2, complete assembly, 24 December 1937 (D-2).

B-107. Ordnance Corps drawing 82-0-96, Bomb Practice, M85, 17 August 1944 (D-3).

B-108. Ordnance Corps drawing 82-3-405, Bomb Practice, M85, body assembly, 17 August 1944 (D-3).

B-109. Ordnance Corps drawing 82-3-228, Charge, Spotting Assembly, M1A1, 18 August 1937 (D-4).

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NATIONAL CAPITAL REGION ARCHIVES FINDINGS

PART A

POSITIVE FINDINGS

VICTORVILLE PRECISION BOMBING RANGE NO. 6, CA

SECTION II
NATIONAL CAPITAL REGION ARCHIVES FINDINGS
PART A
POSITIVE FINDINGS

VICTORVILLE PRECISION BOMBING RANGE NO. 6, CA

Also Researched Under Lucerne Valley, CA; San Bernardino County, CA; Victorville Army Airfield; and George Air Force Base.

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Microfilm Collection

Rolls B2647 thru B2649

Comprehensive History of Victorville Air Force Base, Victorville, California, 1 November 1945 -31 December 1948

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Historical Record of Victorville Army Airfield, Victorville, California, 1 November 1944 to 31 December 1944

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Historical Record of Victorville Army Airfield, Victorville, California, From 1 January 1939 to 7 December 1941

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Historical Record of Victorville Army Airfield, Victorville, California, From 8 December 1941 to 1 January 1943

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Historical Record of Victorville Army Airfield, Victorville, California, From 1 March 1944 to 30 April 1944

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Historical Record of 3035th A.A.F. Base Unit, Victorville Army Airfield, Victorville, California, From 1 May 1944 to 30 June 1944

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Historical Record of Victorville Army Airfield, Victorville, California, From 1 January 1943 to 1 March 1944

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Including Detailed Location data, 12 April - 7 June 1945

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Continental United States, 1 May 1945

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- Entry 2: Air Adjutant General's Unclassified Decimal File, 1944 - 1946
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- Entry 2: Air Adjutant General's Unclassified Decimal File, 1944 - 1946
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Correspondence Relative to Army Air Force Installation in California, Washington, and Oregon, Victorville Bombing Ranges
- Entry 2: Air Adjutant General's Unclassified Decimal File, 1944 - 1946
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- Entry 2: Air Adjutant General's Unclassified Decimal File, 1944 - 1946
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Memoranda Relative to Acquisition of Government Owned Land for Victorville Flying School Bombing Ranges, 3 February - 14 March 1942

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Memorandum and Exhibit Relative to Real Estate Acquisition, Victorville Bombing Ranges, 17 September 1942

Entry 295: Correspondence Relating to Airfields, 1939 - 1942

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Memoranda Relative to Real Estate Acquisition and Construction Funding, Victorville Flying School Bombing Ranges, 20 January - 12 February 1942

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Entry 749B: Central Classified Correspondence, 1937 - 1953
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Proposed Public Order Withdrawing Public Land for Use by War
Department as Bombing Target Sites, Victorville Precision Bombing
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Memorandum Relative to Declaration of Victorville Bomb Target No. 6 as
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Correspondence and Report Relative to Additional Facilities Construction,
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Entry 1023: General Correspondence Relating to Airfields, Part II, Progress Reports, 1940 - 1945

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Construction Program at Air Corps Stations, Advanced Twin Engine School, Victorville, California, 30 September 1941

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Construction Program at Air Corps Stations, Advanced Twin Engine Flying School - Victorville, California, 31 October 1941

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Draft Circular, "Neutralization of Unexploded Ammunition and Duds"

RG 269 (General Records of the General Services Administration)

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Entry 12: Central Real Property Surveys
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Department of Defense Installation Survey Report, George Air Force
Base, Victorville, California, 24 October 1973

***U.S. ARMY CORPS OF ENGINEERS - OFFICE OF HISTORY
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Real Estate Records

Realty Control File Summary Sheet
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VICTORVILLE PRECISION BOMBING RANGE NO. 6, CA

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RG 49 (Records of the Bureau of Land Management)
Entry: Land Entry Papers

RG 69 (Records of the Works Progress Administration)
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RG 77 (Records of the Office of the Chief of Engineers)
Entry 391: Construction Completion Reports, 1917 - 1943
Entry 393: "Historical Record of Buildings" and "Record of Equipment and Condition of Buildings" at Active Army Posts, 1905 - 1942

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RG 16 (Records of the Department of Agriculture)

Entry 17: General Correspondence of the Office of the Secretary of Agriculture,
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RG 18 (Records of the Army Air Corps)

Entry 46: The Air Inspector, Decimal File, 1945 - 1947

Entry 293: Security Classified Central Decimal File, 1939 - 1942, Bulkies

Entry 293: Security Classified Central Decimal Files, 1939 - 1942, Series I

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RG 30 (Record of the Bureau of Public Roads)

Entry 54: Highway Traffic Advisory Committee to the War Department, 1941 -
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RG 57 (Records of the United States Geological Survey)

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

Entry 1892: Classified Geographic File, 1936 - 1945

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

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RG 96 (Records of the Farmers Home Administration)

Entry 3: Correspondence Relating to Participation in the Defense Program, 1940 - 1942

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

Entry 108: Secretary of the Army (Patterson), Central Decimal File, 1946 - 1947

Entry 110: Office, Administrative Assistant to the Secretary of War, Decimal File, February 1946 - June 1947

Entry 127: Office, Special Consultant to the Secretary of War, John D. Russell's File, 1942 - January 1946

Entry 159: Special Assistant for Construction, M. J. Madigan, Projects, 1940 - 1945

Entry 211: Office, Assistant Secretary of War for Air, Establishment of Airfields and Airbases, 1940 - 1945

Entry 212: Establishment of Airfields and Airbases, 1941 - 1945

Entry 213: Office, Assistant Secretary of War for Air, Robert A. Lovett, Decimal File, 1940 - 1946

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

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

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Entry 25: Army Field Forces, Headquarters, General Staff, G-3 Operations Group, Organization and Equipment Division, General Decimal File, 1943 - 1948
Entry 55A: Ground Adjutant General Section, Records Division, Project Decimal File, March 10, 1942 - 1943, 1946 - 1947
Entry 57: General Headquarters, US Army Special Staff
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RG 77 (Records of the Office of the Chief of Engineers)

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SECTION III
REGIONAL NATIONAL ARCHIVES FINDINGS
PART A
POSITIVE FINDINGS

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RG 121, Records of the Public Building Service
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Paper, Disposal of Surplus Agriculture and Forest Property,
Re: Bombing Target No. 6, August 25, 1947
Memo, From Farm Credit Administration To Federal Land
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Certificate for Bombing Target No. 6, July 19, 1946
Paper, Deduinding Certificate Bombing Target No. 6,
10 March 1948
Memo, Subj: Report on the Deduinding of Victorville Bombing
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20 October 1947
Memo, From H. W. Carlson To Folder, Re: Inspection of
Bombing Target No. 6, May 29, 1947
Memo, From Farm Credit Administration To Federal Land
Bank of Berkeley, Re: Transmittal of Documents for
Bombing Target No. 6, April 22, 1947
Memo, From Bureau of Land Management To Director, Re: Sale
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Memo, From J. N. Wasserman To H. S. Sahn, Re: Victorville
Bombing Target No. 6, California, November 14, 1946
Memo, Memorandum for the File (File No. 2077954), Re:
Victorville Bombing Target No. 6, 11-4-46
Paper, Declaration of Surplus Real Property, Victorville
AAF, Calif. - Target 6 w/schedules, 2 Oct 1945
Paper, Report (SF-32040)-Bureau of Land Management,
Aug 27 1946
Paper, Report (SF-32040)-General Land Office, Jan 4 1946
Memo, From Attorney General To Secretary of War,
Re: Certificate of Title Parcel No. 62, January 11, 1946
Paper, No. 2434, Judgment by Default, Tract No. 62,
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Paper, Preliminary Certificate of Title No. 142740 Tract No.
62, Undated
Newspaper Ad, Sale of Target VI, June 27, 1946
Paper, Quitclaim Deed, 12 August 1948
Dwg, Victorville Army Flying School Bombing Target No. 6,
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Memo, Subj: Short Form Appraisal, 3 February 1947

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RG 18, Records of the Army Air Forces
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Dwg, Regional Map of VAAF & Satellite Facilities, Sept. 1943

RG 342, Records of U.S. Air Force Commands, Activities, and
Organizations
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Box #06-23-58-9-3
Memo, Subj: Information Pertaining to Bombing Ranges, ACAFS,
Army Air Base, Victorville, California, February 13, 1942
Memo, Subj: Victorville Army Flying School, Victorville,
California - Contract No. W-509-Eng.-2196 - Bombing
Targets - Notice of Completion and Release to Air Corps,
April 4, 1942
Memo, Subj: Transfer of Real Property, 21 May 1946
Memo, Subj: Decontamination of Bombing and Gunnery Ranges,
Oct. 10, 1946
Paper, Deduinding Report on Bombing Targets Formerly Assigned
to Victorville Army Air Field, 25 Sep 1946

Accession #342-47A4227
Box #06-23-58-9-5
Memo, From 4196th AAF Base Unit to Sub-Station Sheriff's
Office, San Bernardino County, Re: Removal of Bomb Scrap,
19 August 1947
Memo, Status of Assignment of Bombing and Gunnery Ranges,
25 June 1947
Memo, Subj: Removal of Military Scrap from Artillery,
Bombing and Other Target Ranges, 6 August 1947

Memo, Subj: Status of Assignment of Bombing and Gunnery
Range, Feb 19 1947

Memo, Subj: Teletype SBCON-2-2 dated 4 Feb 47, 10 Feb 1947
Paper, Statistical Data Bombing Ranges, Victorville Army Air
Field, (as Reflected by VAAF Records 11 March 1947)

NARA, PACIFIC REGION (LAGUNA NIGUEL)
LAGUNA NIGUEL, CA

RG 77, Records of the Office of the Chief of Engineers

Box #2

Memo, From BLM to Chief of Engineers, Re: 240 Acres of Land
Identified as Tract 62 Acquired for Bombing Target No. 6,
20 Aug 1946, w/attachments

Accession #077-64J0445

Box #48

Memo, Subj: Abandonment of Target No. 6, 12 Apr 1945,
w/Indorsements

Memo, Subj: Abandonment of Targets Nos. 6, 9, and 15, and Y
and Z, Victorville AAF, 11 Jun 1945

Memo, From ASF, HQ 9th Service Command to Commanding
Officer, Camp Haan, Re: Movement of 65th Ordnance Bomb
Disposal Squad to Victorville, 1 August 1945,
w/Indorsements

Memo, Subj: Declaration as Excess, Auxiliary Installations
of Victorville AAF, 7 Dec 1945, w/1st Ind, 28 Dec 1945

Memo, Subj: Cost of Deduidding - Victorville Bombing Targets,
13 Nov 1946

Memo, Subj: Supplemental Authorization of Funds for
Deduidding Operations, 18 Apr 1947

Memo, Subj: 2nd Ind. to Victorville Precision Bombing Target
No. 6, 16 Nov 1948

Accession #077-96-133

Box #27

Realty Control File Summary, Undated

Memo, Subj: Land Acquisition, Bombing Ranges for Victorville
Army Flying School, 2 Sep 1942, w/Indorsements

Memo, Subj: Acquisition of Leasehold Interest, Tract No. 61,
22 Nov 1944, w/Indorsements

Memo, Subj: Abandonment of Targets Nos. 6, 9, and 15, and Y
and Z, Victorville AAF, 11 Jun 1945

Warning Notice, Declaring Bombing Target 6 as Surplus
Property, 29 Jun 1945
Declaration of Surplus Real Property, 2 Oct 1945,
w/attachments
Memo, Subj: Report on the Deduinding of Victorville Bombing
Targets, San Berbardino County, 20 Oct 1947
Military Acquisition Project Report, Victorville PBR #6,
14 Nov 1947, w/Tract Register
Declaration of Surplus Real Property (Correction),
26 Mar 1948
Memo, From Chief of Engineers to BLM, Re: Public Land Order
No. 125, 9 Feb 1949
Memo, From Property Management Division to Chief of Real
Estate Division, Corps of Engineers, Re: Assumption of
Custody and Accountability, 6 May 1949
Real Property Management and Disposal Report, Victorville
PBR #6, 15 May 1949
Memo, Subj: Victorville PBR #6, Audited Installation
No. 1874, 21 Mar 1952
Real Property Management and Disposal Report, Victorville
PBR #6, 31 Mar 1952
Final Project Ownership Map, 3 Dec 1947
Final Project Ownership Map, Victorville Bombing Ranges,
19 Sep 1945
Location Map, Victorville Bombing Targets, 27 Nov 1944

RG 270, Records of the War Assets Administration

Box #161

Memo, Subj: Report on the Deduinding of Victorville Bombing
Targets, San Bernardino County, 20 Oct 1947
Memo, From WAA to DOI, Re: Surplus Property, Bombing Target
No. 6, 17 Nov 1947
Memo, from DOI to WAA, Re: No Substantial Deposits of
Fissionable Materials at Bombing Target No. 6,
28 Nov 1947
Deduinding Certificate, Bombing Target No. 6, Victorville
AAF, 10 Mar 1948
Declaration of Surplus Real Property, Victorville PBR #6,
26 Mar 1948

Box #162

Base Project Map, Victorville Bombing Target No. 6,
1 Dec 1942

Memo, From Real Estate Division to Management & Disposal
Division, Re: Possibility of Contamination at Target
No. 6, 16 Oct 1945, w/reply, 25 Oct 1945

Recommendation for Assignment of Real Property for Disposal,
30 Oct 1945

Memo, Subj: Assumption of Custody of Victorville Bombing
Target #6, 17 Dec 1946

Memo, From Field Examiner to BLM, Re: Sale of Victorville
Bombing Target #6, 28 Mar 1947, w/various replies

SECTION III
REGIONAL NATIONAL ARCHIVES FINDINGS
PART B
NEGATIVE FINDINGS

VICTORVILLE PBR NO. 6

NARA, PACIFIC REGION (LAGUNA NIGUEL)
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
All Entries
Nothing Found

RG 71, Records of the Bureau of Yards and Docks
All Entries
Nothing Found

RG 77, Records of the Office of the Chief of Engineers
Accession #077-96-0134
Box #5
Nothing of Value to this ASR Found

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

RG 336, Records of the Office of the Chief of Transportation
All Entries
Nothing Found

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

RG 342, Records of U.S. Air Force Commands, Activities, and
Organizations
All Entries
Nothing Found

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

RG 342, Records of U.S. Air Force Commands, Activities, and
Organizations
Accession #342-54A4118
Box #06-38-18-1-1
Nothing of Value to This ASR Found

Accession #342-46A4076
Box #06-38-18-2-1
Nothing of Value to This ASR Found

Accession #342-50A4042
Box #06-38-18-1-3, 2 Boxes
Nothing of Value to This ASR Found

**NARA, PACIFIC REGION (SAN FRANCISCO)
SAN BRUNO, CA**

RG 18, Records of the Army Air Forces
All Entries
Nothing Found

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

RG 49, Records of the Bureau of Land Management
All Entries
Nothing Found

RG 77, Records of the Office the Chief of Engineers
Accession #75Q1061
Boxes #1-3
Nothing of Value to This ASR Found

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

RG 111, Records of the Chief Signal Officer
All Entries
Nothing Found

RG 112, Records of the Surgeon General (Army)
All Entries
Nothing Found

RG 121, Records of the Public Buildings Service
Accession #9NSS-121-87-001
Boxes #1 and 9
Nothing of Value to This ASR Found

Accession #9NSS-121-85-009
Box #12
Nothing of Value to This ASR Found

Accession #9NSS-121-85-004
Box #72
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
Accession #9NSS-291-93-002
Box #19
Nothing of Value to This ASR Found

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

ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
VICTORVILLE PBR #6
VICTORVILLE, CA
PROJECT #J09CA069101

APPENDIX C

GLOSSARY

APPENDIX C

Glossary

AFB	Air Force Base
AP	Armor piercing
BD/DR	Building Demolition/Debris Removal
BRAC	Base Realignment and Closure
CEHNC	U.S. Army Corps of Engineers, Engineering and Support Center, Huntsville
CEMVR	U.S. Army Engineer, Rock Island District
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CESPL	U.S. Army Engineer, Los Angeles District
CWM	Chemical Warfare Material
DA	Department of Army
DAC	Defense Ammunition Center, Savanna IL
DERP	Defense Environmental Restoration Program
DoD	Department of Defense
EE/CA	Engineering Evaluation/Cost Analysis
EOD	Explosive Ordnance Disposal
EPA	Environmental Protection Agency
FS	Feasibility Study
FUDS	Formerly Used Defense Sites
GSA	General Services Administration
HE	High Explosive
HRC	Historical Resource Collection
HTRW	Hazardous, Toxic and Radiological Waste
HTW	Hazardous and Toxic Waste
IRP	Installation Restoration Program
M	Model Number
Mk	Mark Number
MM or mm	Millimeter
NARA	National Archives and Records Administration
OE	Ordnance and Explosives
PA	Preliminary Assessment
PRP	Potentially Responsible Party
RA	Remedial Action
RAC	Risk Assessment Code
RD	Remedial Design
RD/RA	Remedial Design/Remedial Action
RG	Record Group
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
SARA	Superfund Amendments and Reauthorization Act
SI	Site Investigation or Site Inspection
TM	Technical Manual

USA	U.S. Army
USACE	U.S. Army Corps of Engineers
USAF	U. S. Air Force
USATCES	U.S. Army Technical Center for Explosives Safety
UXO	Unexploded Ordnance

ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
VICTORVILLE PBR #6
VICTORVILLE, CA
PROJECT #J09CA069101

APPENDIX D

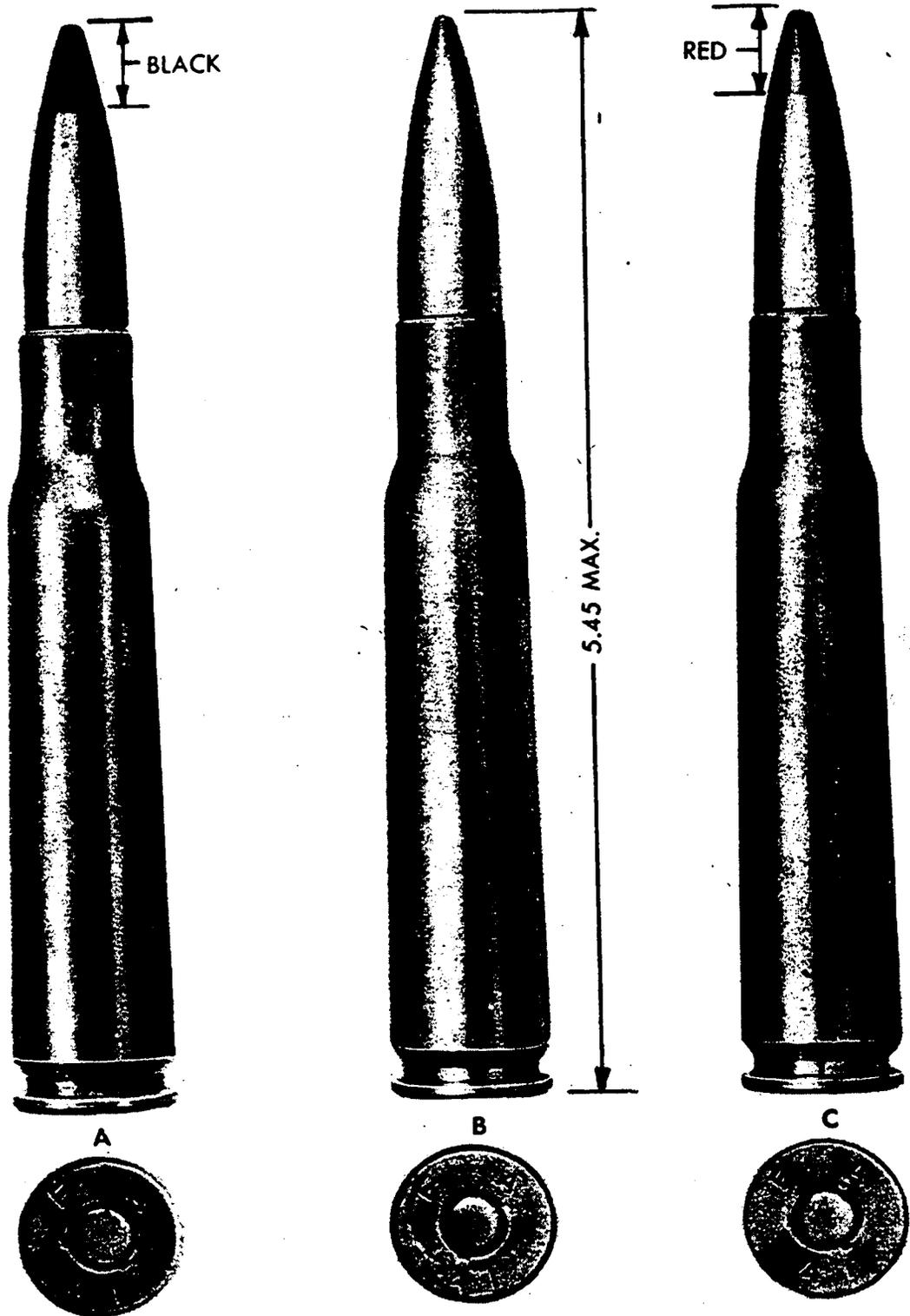
TEXTS/MANUALS

APPENDIX D
TEXTS / MANUALS

Table of Contents

- D-1. Typical .50 caliber rounds (B-103).
- D-2. Practice bomb M38A2 (B-105 & B-106).
- D-3. Practice bomb M85 (B-107 & B-108).
- D-4. Spotting charge M1A1 (B-109).

AMMUNITION INSPECTION GUIDE



- A — CARTRIDGE, ARMOR-PIERCING CAL. .50, M2
- B — CARTRIDGE, BALL, CAL. .50, M2
- C — CARTRIDGE, TRACER, CAL. .50, M1

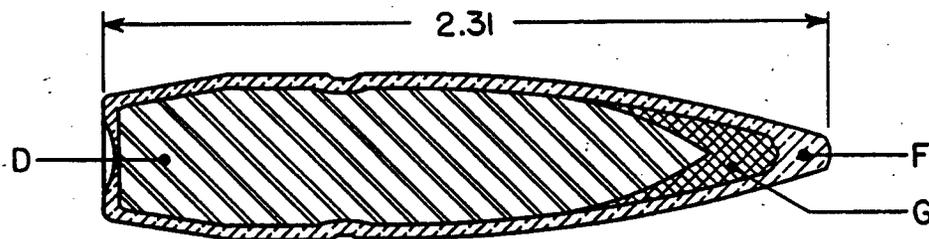
Figure 83 — Cartridges, Cal. .50
212

RA PD 2117

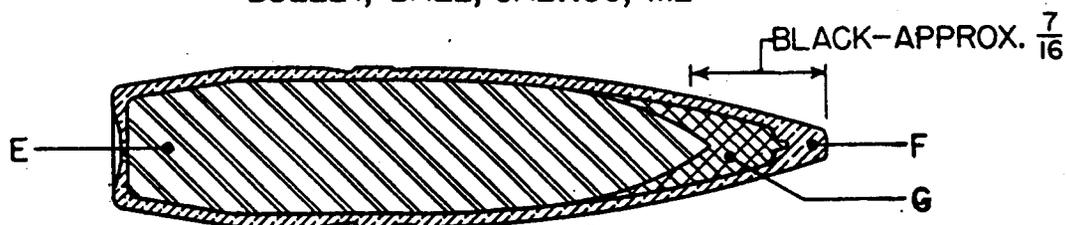
D-1

SMALL ARMS AND TRENCH WARFARE

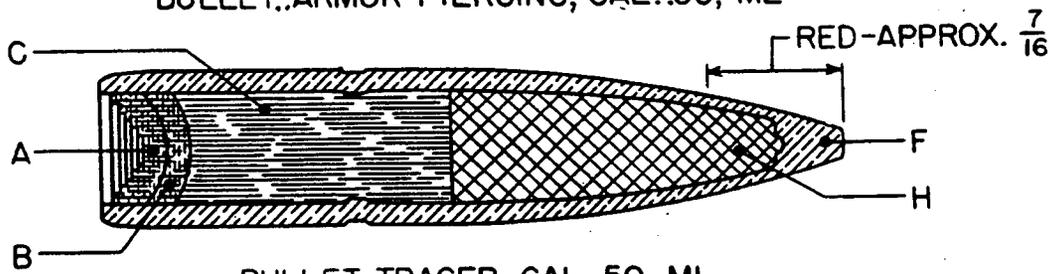
- A-COMPOSITION, IGNITER
- B-COMPOSITION, SUB-IGNITER
- C-COMPOSITION, TRACER
- D-CORE-STEEL
- E-CORE-TUNGSTEN CHROME STEEL
- F-JACKET-GILDING METAL
- G-POINT FILLER-LEAD WITH ANTIMONY
- H-SLUG-LEAD WITH ANTIMONY



BULLET, BALL, CAL..50, M2

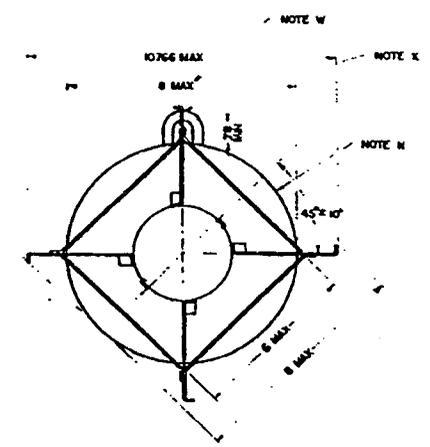
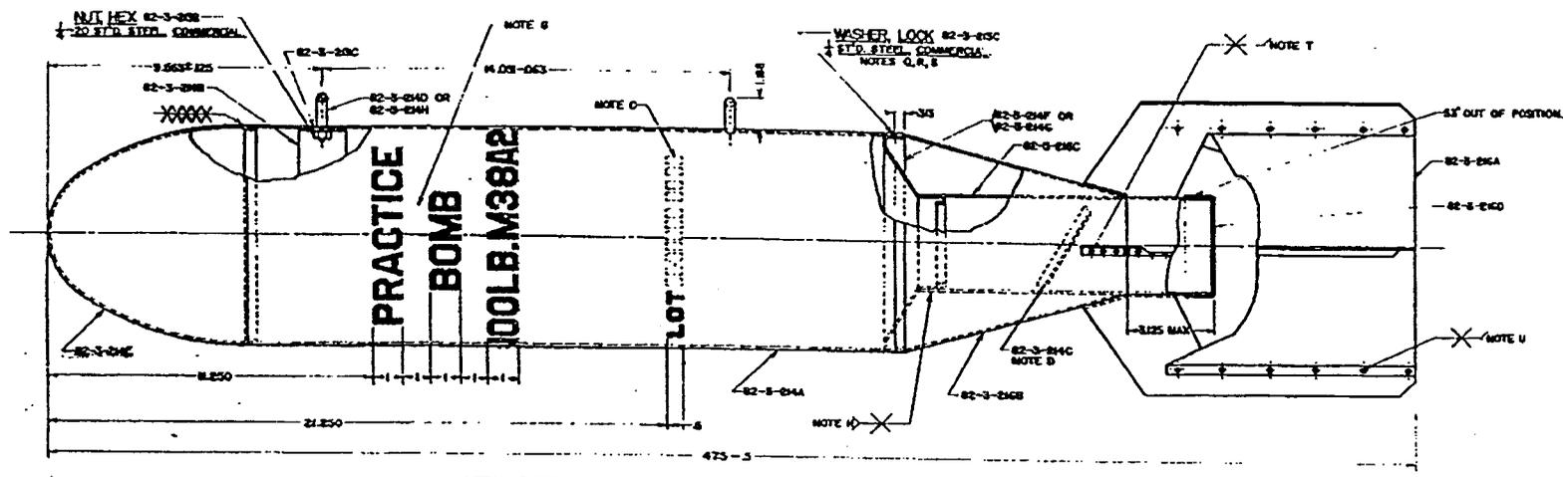


BULLET, ARMOR-PIERCING, CAL..50, M2



BULLET, TRACER, CAL..50, M1

RA PD 4512



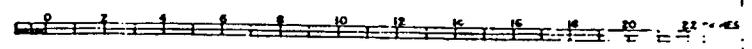
METAL PARTS ASSEMBLY AND MARKING DIAGRAM 82-3-213

- NOTES-
- A- COAT ENTIRE EXTERIOR SURFACE WITH BLUE NO. 300, ENAMEL. NOTES L, M
 - B- MARK WITH WHITE MARKING INK, NO. 375.
 - C- ASSEMBLY LOT NUMBER OF BOMB AND DATE, MONTH AND YEAR OF MANUFACTURE.
 - D- PLACE HEAD COVER LOOSELY IN SLEEVE FOR SHIPMENT.
 - E- THE CENTERLINE OF THE COMPLETE TAIL ASSEMBLY SHALL NOT DEPART FROM THAT OF THE BODY BY MORE THAN $\frac{1}{8}$ AS MEASURED AT THE EXTREME ENDS OF THE FINS.
 - F- SLEEVE COVER SHOULD NOT BE SNAPPED OVER PROJECTION TABS.
 - G- LETTERS, FIGURES AND SYMBOLS $\frac{1}{8}$ INCH HIGH, POSSIBLE.
 - H- $6 \times \frac{3}{16}$ DIA. SPOT WELDS OR $10 \times \frac{3}{16}$ DIA. PROJECTION WELDS, EQUALLY SPACED, (OPTIONAL)
 - I- COAT ENTIRE INTERIOR SURFACE WITH ACID-PROOF BLACK PAINT, TYPE 2, NOTE L.
 - L- PREPARE THE EXTERIOR SURFACES IN ACCORDANCE WITH GRADE 2, SPEC MIL-C-480, BEFORE COATING. THE INTERIOR SURFACE IS TO BE PREPARED OR CLEANED BY ANY METHOD ACCEPTABLE UNDER SPEC MIL-C-480 BEFORE PAINTING.
 - M- PLATED SUSPENSION LINES NOT REQUIRED TO BE PAINTED.
 - N- OUT OF ROUND TOLERANCE .025 IN DIAMETER.
 - P- ALTERNATIVE- $24 \times \frac{3}{16}$ DIA. PROJECTION WELDS.
 - Q- WELD HEAD TO BODY WITH $12 \times \frac{3}{16}$ DIA. SPOT WELDS EQUALLY SPACED, NOTE P.
 - R- WELDS TO BE LOOSED APPROX. AT CENTER OF LAP. HEIGHT OF WELD METAL $\frac{1}{16}$ MAX AT ANY POINT ON CIRCUMFERENCE.
 - S- WELD COME TO HEAD WITH $12 \times \frac{3}{16}$ DIA. SPOT WELDS EQUALLY SPACED BETWEEN WELDS JOINING HEAD TO BODY, NOTE P.
 - T- $6 \times \frac{3}{16}$ DIA. SPOT WELDS, EQUALLY SPACED $\frac{1}{2}$ FROM EACH END. ALTERNATIVE- $10 \times \frac{3}{16}$ PROJECTION WELDS, EQUALLY SPACED, STAGGERED IN TWO ROWS.
 - U- $6 \times \frac{3}{16}$ DIA. SPOT WELDS OR $10 \times \frac{3}{16}$ PROJECTION WELDS EQUALLY SPACED, $\frac{1}{2}$ FROM EACH END. ALTERNATIVE- $6 \times \frac{3}{16}$ PROJECTION WELDS AND $4 \times \frac{3}{16}$ SPOT WELDS.
 - W- THIS DIMENSION DOES NOT INCLUDE HEIGHT OF WELDING METAL.
 - X- END OF FIN BLADE TO BE IN ALIGNMENT WITH CENTER OF SUSPENSION LUG WITHIN $\frac{1}{8}$ INCH.

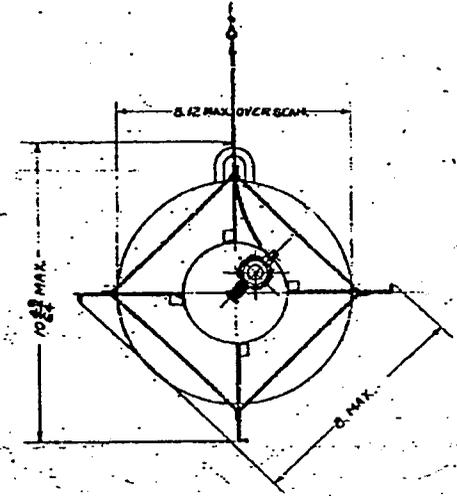
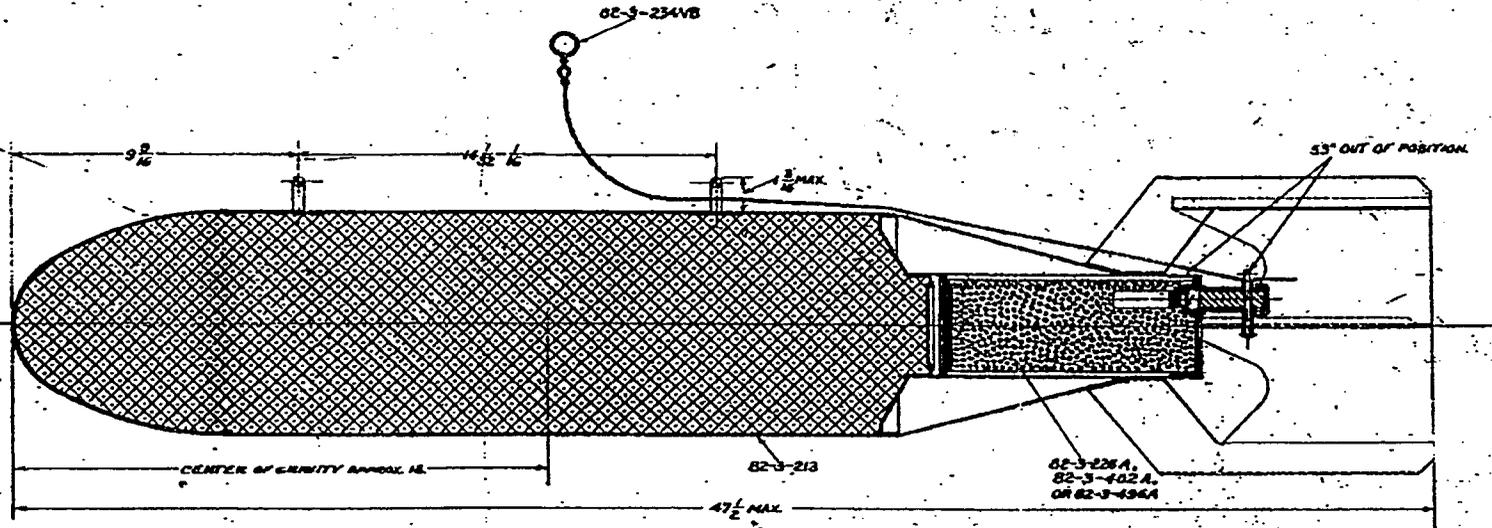
LINE NO	LIST OF DRAWINGS	DRAWING NUMBER
1	METAL PARTS ASSEMBLY	82-3-213
2	DETAILS	82-3-214
3	DETAILS	82-3-215
4	WIRES, ARMS, FOR BOMBS	82-3-224
5	CARTON, PACKING	70-6-62
6	PACKING AND MARKING	20-4-188

NOTICE: THIS DRAWING SHALL NOT BE USED IN CONNECTION WITH OTHER DRAWINGS UNLESS SPECIFICALLY REFERRED TO BY OTHER DRAWING DOCUMENTATION.

WITH 82-3-213A SUPERSEDES 82-3-213
WITH CHANGE SEPTEMBER 23, 1955



BOMB PRACTICE 100LB. M38A2 METAL PARTS ASSEMBLY AND MARKING DIAGRAM		AIR FORCE ENGINEERING CORPS OFFICE OF THE CHIEF OF THE CORP
DRAWING NUMBER 82-3-213		PART NO. F



ASSEMBLY 82-0-2346

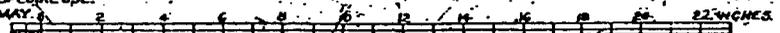
Obsolete
 SUPERSEDES OLD TRACING 82-0-23 UNDER
 REVISION DATE OF DEC. 24, 1937.

LINE NO.	NAME OF COMPONENT	DRAWING NUMBER OR PIECE MARK	APPROXIMATE WEIGHT (POUNDS)	APPROXIMATE WEIGHT (POUNDS)
1	ASSEMBLY	82-0-23	100.0	53.0
2	FILLER		80.0 (A)	33.0 (A)
3	LOOF SWIVEL	82-3-135		
4	METAL PARTS ASSEMBLY	82-3-213	15.7 (A)	15.7 (A)
5	SPOTTING CHARGE ASSEMBLY (C)	82-3-228	4.25	4.25
6	WIRE, ARIVING, ASSEMBLY AW-MCA2	82-3-234VB	.06	0.0
7				
8				
9				
10				
11				
12				

LINE NO.	NOMENCLATURE	WEIGHT (LBS)	WEIGHT (LBS)
1	METAL PARTS ASSEMBLY	15.7	15.7
2	SPOTTING CHARGE ASSEMBLY (C) BLACK POWDER	4.25	4.25
3			
4	BLACK POWDER	3.0 (A)	3.0 (A)
5			
6	FILLER (SAND)	80.0	33.0 (A)
7	TOTAL	102.0	53.0

(A) WEIGHT PERTAINS TO SODIUM NITRATE BLACK POWDER.

- (A) WEIGHT SHOWN IS WITHOUT SLEEVE COVER.
- (B) FILLER, SAND.
- (C) FILLER, 2 PARTS SAND/ST AND 1 PART SAND, FOR SPECIAL USE.
- (D) SPOTTING CHARGE M3 82-3-402A OR M4, 82-3-406A MAY BE USED WHEN REQUIRED.



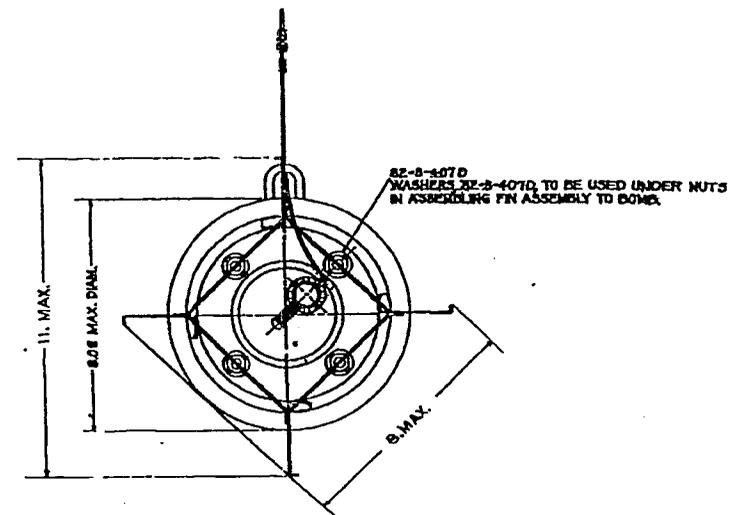
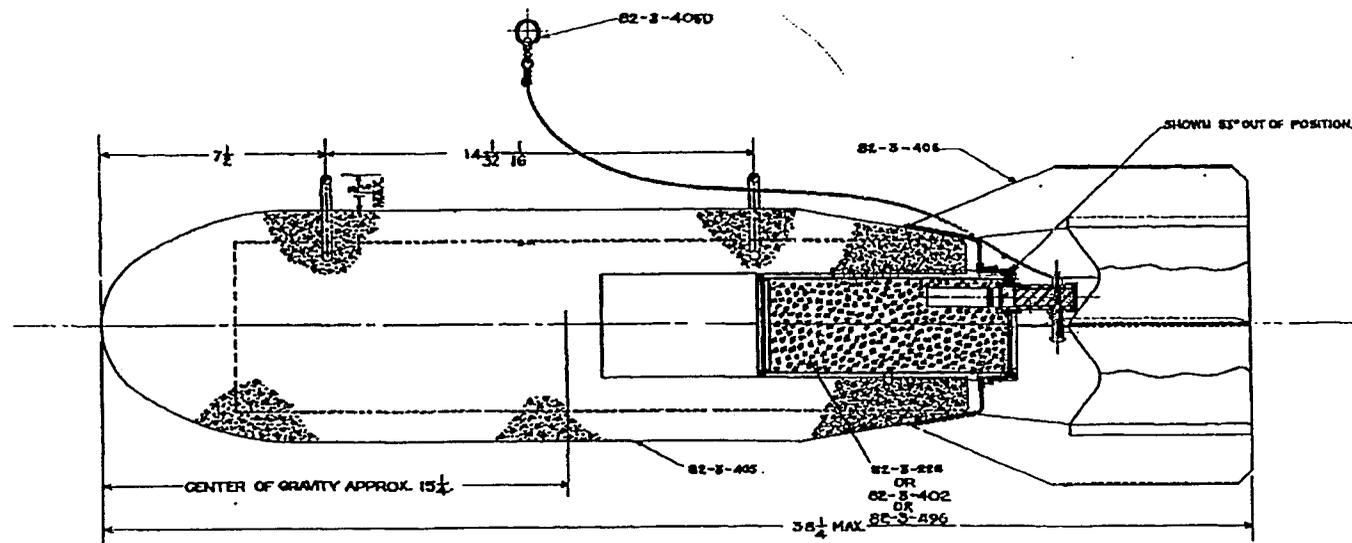
BOMB, PRACTICE, 100 LB. M3BA2.
 ASSEMBLY, COMPLETE.

REVISIONS	CLASS	EDITION	DRAWING	FILE
1 10-20-37	82	0	234	
2 10-24-37				
3 2-7-48				
4 11-28-48				
5 8-15-45				
6 8-20-37				

DESIG. PERTAINS TO

COV

ORDNANCE DEPT. 70



ASSEMBLY, 82-O-96A1

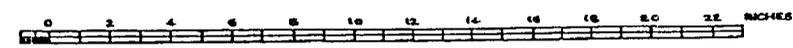
NOTICE: THIS DRAWING SHALL NOT BE USED NOR REPRODUCED OTHER WHOLLY OR IN PART EXCEPT WHEN AUTHORIZED IN CONNECTION WITH UNITED STATES GOVERNMENT PROCUREMENT.

LINE NO.	NAME OF COMPONENT	DRAWING NUMBER OR PREMARK	APPROXIMATE WEIGHT (POUNDS)
1	ASSEMBLY	82-O-96A1	103.5
2			
3	BODY ASSEMBLY	82-S-405	93.00
4	FIN ASSEMBLY	82-S-406	4.25
5	SPOTTING CHARGE ASSEMBLY, M1A1 (A)	82-S-228	4.25
6			
7	WIRE, ARMING	82-S-406D	.05
8			
9			
10			
11			
12			

(N) SPOTTING CHARGE M3, 82-S-402 OR M4, 82-S-406 MAY BE USED WHEN REQUIRED.

LINE NO.	NOMENCLATURE	WEIGHT (LBS)
1	BODY ASSEMBLY	93.00
2	FIN ASSEMBLY	4.25
3	SPOTTING CHARGE ASSEMBLY (LESS BLACK POWDER)	.05
4	BLACK POWDER	3.00 (G)
5		
6		
7	TOTAL	103.50
8		

(G) WEIGHT PERTAINS TO SODIUM NITRATE BLACK POWDER.



BOMB, PRACTICE, 100LB, M85.
ASSEMBLY, COMPLETE.

AUGUST 17, 1943

DESIGNED BY: BEVELONE

CLASS: 82 DIVISION: 0 DRAWING FILE: 98

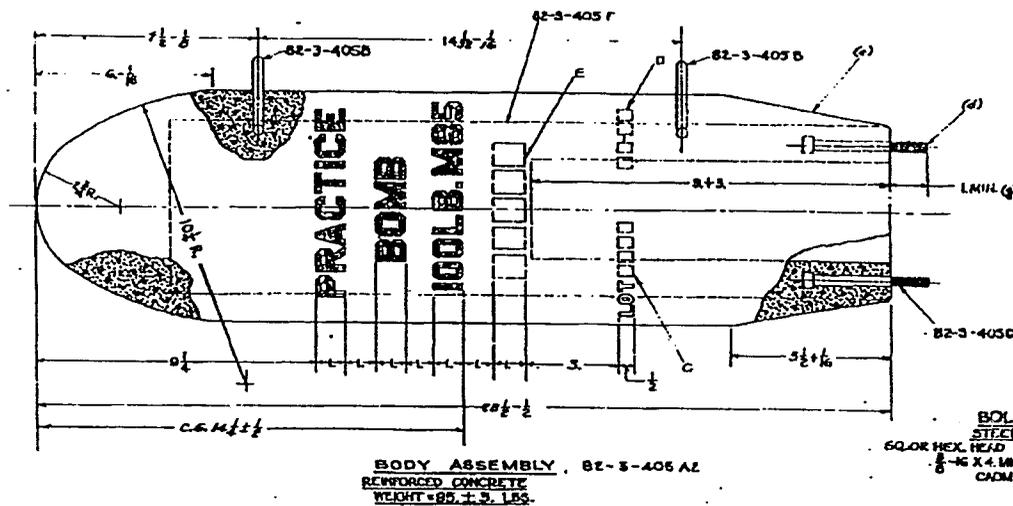
DRG. PERTAINS TO: E.T.S.

SUBMITTED BY: G.H. Heflinger

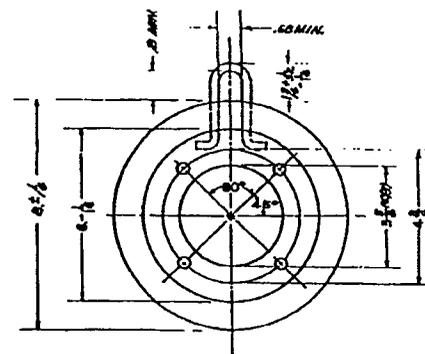
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE: G.H. Heflinger

ORDNANCE DEPT., U.S.A.

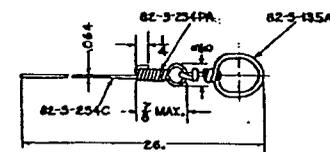
OBSOLESCE



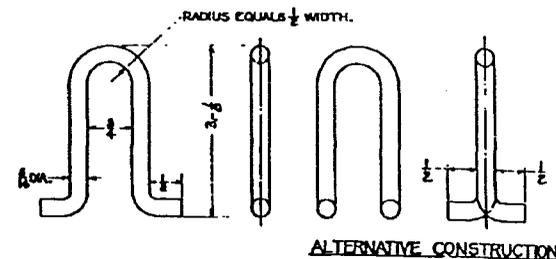
BODY ASSEMBLY, 82-3-405 AL
REINFORCED CONCRETE
WEIGHT = 85 ± 3 LBS.



BOLT, TAIL 82-3-405 CE
STEEL, COMMERCIAL
SQUARE HEX. HEAD MACH. BOLT OR ROUND HEAD BOLT.
1/8" X 4.1 MM. LONG, THREADED 1
CADMIUM OR ZINC PLATE.



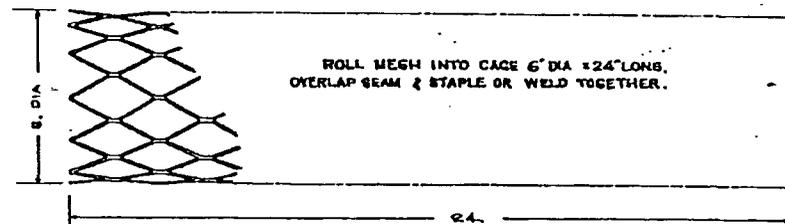
ARMING WIRE ASSEMBLY 82-3-405 D



LUG, SUSPENSION, 82-3-405 B2
82-3-405 D2
COAT ALL SURFACES WITH PRIMER,
SYNTHETIC, LACQUER-RESISTING.

NOTES:-

- B-MARK WITH BLACK LACQUER ENAMEL OR BLACK STENCIL INK.
- C-INSERT LOT NUMBER OF BOMB
- D-INSERT DATE (MONTH AND YEAR) OF MANUFACTURE.
- E-INSERT A.L.C. CODE.



CAGE, REINFORCING, 82-3-405 F
EXPANDED STEEL, 1/8" GA., 1 1/2" X 2 1/2" DIAMOND MESH, COMMERCIAL.

LINE NO.	LIST OF SPECIFICATIONS.	SPEC. NUMBER	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS AMM., GENERAL SPEC. FOR.	82-0-1	DRG. 82-3-405
2	BOMB, PRACTICE, 100LB, M85	AJ3-1870	DRG. 82-3-405
3			
4			
5	INK STENCIL STENCIL FOR MARKING FORMS SURFACES (WOODEN BOXES, ETC.)	TT-1-559	DRG. 82-3-405
6	LACQUER ENAMEL, LUSTRELESS	JAN-L-73	DRG. 82-3-405
7	METALS, GEN. SPEC. FOR INSPECTION OF	QQ-M-151	67-136
8	PAINTS AND RELATED MATERIALS, GENERAL SPEC. FOR	3-1	JAN-L-73
9	PRIMER, SYNTHETIC, LACQUER-RESISTING	JAN-P-72	DRG. 82-3-405
10	STEEL, CARBON & ALLOY, BARS	67-107	DRG. 82-3-405

NOTICE: THIS DRAWING SHALL NOT BE USED NOR REPRODUCED EITHER WHOLLY OR IN PART EXCEPT WHEN AUTHORIZED BY DISCRETION WITH UNITED STATES GOVERNMENT PROCUREMENT.

LIST OF PARTS

LINE NO.	NAME OF PART	NUMBER REQ'D PER COMPONENT	REMARKS	MATERIAL			APPROXIMATE UNIT WEIGHT (POUNDS).	APPROXIMATE WT. OF RAW STOCK PER 1000 ASSEMBLIES.	REMARKS
				SIZE OR FORM	KIND	GRADE			
1	BODY ASSEMBLY	1	82-3-405A	CASTING	CONCRETE		85.00		
2	LUG, SUSPENSION	2	82-3-405B	BAR	STEEL	WD 1010.	.17	170.00	
3	BOLT, TAIL	4	82-3-405C	1/8" X 4" LONG	STEEL	COMMERCIAL			
4	ARMING WIRE ASSEMBLY	1	82-3-405D						(a)
5	CAGE, REINFORCING	1	82-3-405F		STEEL, EXPANDED	COMMERCIAL			
6					PRIMER, SYNTHETIC, LACQUER-RESISTING	JAN-P-72			
7									
8					LACQUER ENAMEL, BLACK	JAN-L-73			(b)
9									

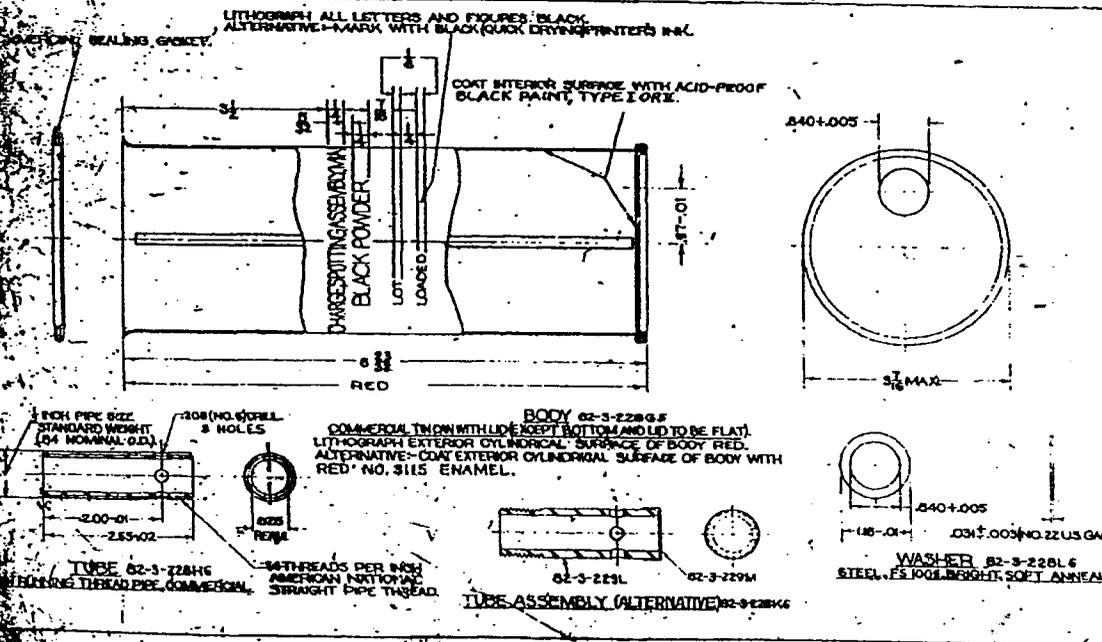
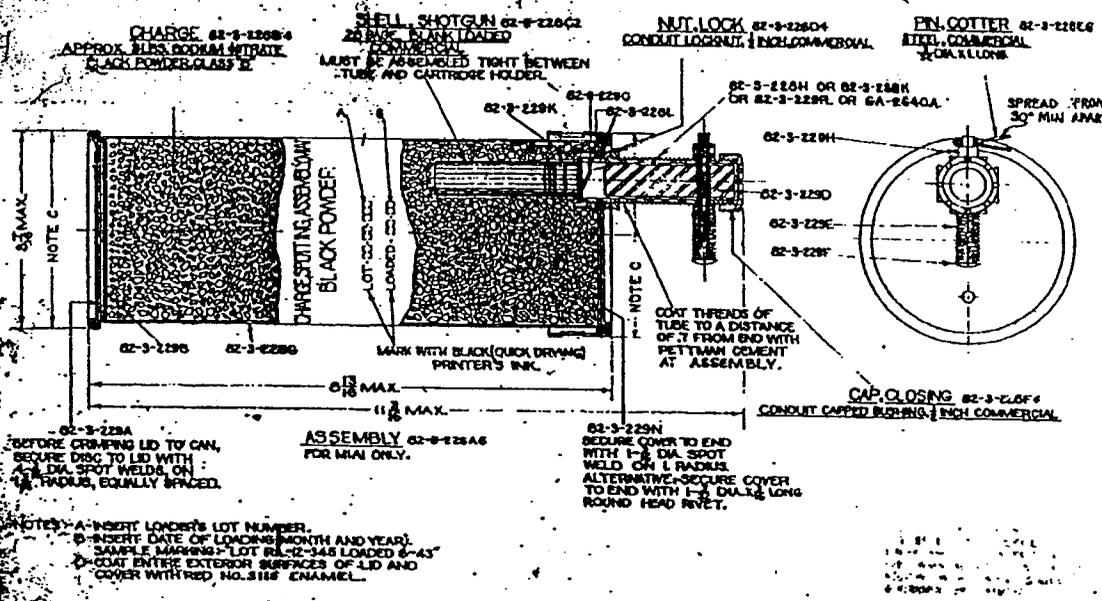
* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER. SPECIFICATIONS REFERRED TO IN THOSE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

- (a) SEE DRAWINGS 82-3-254 AND 82-3-254A FOR METAL PARTS DETAILS, SPECIFICATIONS AND SHIPPING ASSEMBLY. DIMENSION 'E' ON SHIPPING ASSEMBLY EQUALS 5/8".
- (b) ALTERNATIVE MATERIAL - BLACK STENCIL INK, SPEC. TT-1-559.
- (c) 3/8" INCH CAVITY SHALL BE CONCENTRIC WITH 4 TAIL BOLTS 82-3-405C WITHIN 1/8" INCH.
- (d) 3/8" INCH CAVITY SHALL BE CONCENTRIC WITH CONICAL SURFACE FOR A DISTANCE OF 2 1/2" INCHES FROM THE TAIL END OF THE CONCRETE PORTION OF THE BOMB WITHIN 1/8" INCH (1/8" INCH DUAL INDICATOR READING).
- (e) MAY BE 3/8" DIA PROVIDED 3/8" DIA CAVITY IS CONCENTRIC WITH CONICAL SURFACE FOR A DISTANCE OF 2 1/2" INCHES FROM TAIL END OF THE CONCRETE PORTION OF THE BOMB. EXPOSED PORTION OF TAIL BOLTS MUST BE COMPLETELY THREADED.
- SCALE, INCHES, 1" = 1/2".

BOMB, PRACTICE, 100LB, M85.
BODY ASSEMBLY, DETAILS AND MARKING
DIAGRAM.

AUGUST 17, 1944		CLASS	DIVISION	DRAWING	FILE
REVISIONS		82	3	405	
1	11-8-44				
2	10-30-45				
VARIANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED DECIMAL FRACTIONS & ANGLES 1/8"					
DRG. PERTAINS TO					
E.T.S.					
APPROVED BY: <i>C.H. Hoptel</i>					
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE: <i>C.H. Hoptel</i>					
ORDNANCE DEPT. U.S.A.					

OBSOLESCENT



LIST OF PARTS										
LINE NUMBER	NAME OF PART	NUMBER REQ'D PER COMPONENT	PIECE-MARK	SIZE OR FORM	MATERIAL	GRADE	SPEC. NUMBER	APPROXIMATE UNIT WEIGHT (POUNDS)	APPROXIMATE APPROVED METHOD OF FABRICATION	REMARKS
1	ASSEMBLY		82-3-2286A				MIL-C-2553	4.25		
2										
3	TUBE ASSEMBLY (ALTERNATIVE)		82-3-2286K							
4	TUBE ASSEMBLY (ALTERNATIVE)		6A-2640A							
5	BODY	1	82-3-2286	SHEET	TIN-PLATE		COMMERCIAL	.35		
6	CAP CLOSING	1	82-3-2284	CASTING			COMMERCIAL	.03		(A)(1)
7	CAP, TUBE (ALTERNATIVE)		82-3-2284M	SHEET	TERNE SHEETS (LONG TURN) TYPE II, CLASS B	2	QQ-T-191			(B)
8	CHARGE	1	82-3-2286		BLACK POWDER (SODIUM NITRATE)	CLASS B	JAN-P-362	8.00		(C)
9	COVER	1	82-3-2289M	SHEET	STEEL	FS-1009	QQ-S-00640	.27		(D)
10	DISC	1	82-3-2283A	SHEET	STEEL	FS-1009	QQ-S-00640	.14		(E)
11										
12	HOLDER, CARTRIDGE	1	82-3-228K	CASTING			COMMERCIAL	.02		(F)(1)
13	NUT, LOCK	2	82-3-2280		STEEL		COMMERCIAL	.02		(1)
14										
15	PIN, ARMS	1	82-3-228F		STEEL		COMMERCIAL	.02		(1)
16	PIN, COTTER	1	82-3-2284	1/2 X 1	STEEL		COMMERCIAL	.01		(1)
17	PIN, FIRING	1	82-3-228C		STEEL		FS-1009	QQ-S-00640	.01	(1)
18	PULLER	1	82-3-228N	BAR	STEEL		FS-1009	QQ-S-633	.18	(1)(1)
19	SEPARATOR	1	82-3-228B		CHIPBOARD		COMMERCIAL	.02		(1)
20	SHELL, SHOTGUN (BLANK LOADED)	1	82-3-228C	28 GAGE			COMMERCIAL	.02		(1)
21	SPACER	1	82-3-228H	TUBING	STEEL		COMMERCIAL	.01		(1)(1)
22	SPRING, SAFETY PIN	1	82-3-228E	WIRE	STEEL WIRE, MUSIC SPRING		QQ-W-470	.01		(1)
23	TUBE	1	82-3-228L	PIPE	IRON		COMMERCIAL	.14		(1)(1)
24	TUBE (ALTERNATIVE)		82-3-228M	PIPE	BLACK IRON PIPE		COMMERCIAL			(1)(1)
25	TUBE (ALTERNATIVE)		82-3-228R	PIPE	BLACK IRON PIPE		COMMERCIAL			(1)
26	WASHER	2	82-3-228L	SHEET	STEEL		FS-1009	QQ-S-00640	.01	(1)
27					CEMENT, PETTYMAN		JAN-C-89			(1)
28					INK, BLACK, PRINTERS		COMMERCIAL			(1)
29					ENAMEL, RED NO. 3115		MIL-E-10687			(1)
30					PAINT, ACID-PROOF BLACK		TYPE I OR II	JAN-P-450		(1)
31					RIVET, STEEL, ROUND HEAD					(1)
32										

LINE NO.	LIST OF SPECIFICATIONS	SPEC. NUMBER	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS AMMUNITION, GENERAL SPEC FOR	MIL-C-2550 OR 82-3-228	
2	CEMENT, PETTYMAN	JAN-C-89	DRG 82-3-228
3	CHARGE SPOTTING (BLACK POWDER) ASSEMBLING AND PACKING	MIL-C-2553	DRG 82-3-228
4	ENAMEL, LUSTRELESS, QUICK-DRYING (FOR AMMUNITION)	MIL-E-10687	DRG 82-3-228
5	PAINT, ACID-PROOF, BLACK	JAN-P-450	DRG 82-3-228
6	PLATING, CADMIUM (ELECTRODEPOSITED)	82-P-516	DRG 82-3-228
7			
8			
9	POWDER, BLACK, SODIUM NITRATE	JAN-P-362	DRG 82-3-228
10	STEEL, CARBON; BARS (GENERAL PURPOSE)	QQ-S-633	DRG 82-3-228
11	STEEL, CARBON; SHEET AND STRIP	QQ-S-00640	DRG 82-3-228
12	WIRE, STEEL, HIGH CARBON, SPRING, BRIGHT MUSIC	QQ-W-470	DRG 82-3-228
13	TERNE SHEETS (LONG TURN)	QQ-T-191	DRG 82-3-228
14	ZINC PLATING (ELECTRODEPOSITED)	QQ-Z-325	DRG 82-3-228
15			

IF THE SPECIFICATION AND STANDARD NUMBERS SHOWN ARE BASIC NUMBERS ONLY, WHEN REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER.

LIST OF DRAWINGS

LINE NO.	DETAILS	DRAWING NUMBER
1	ASSEMBLY	82-3-228
2	DETAILS	82-3-228
3	BOX, PACKING	79-6-211
4	PACKING AND MARKING OF BOX	20-4-200
5	HOLDER, CARTRIDGE (ALTERNATIVE)	64-2823
6	TUBE ASSEMBLY (ALTERNATIVE)	64-2820
7		

SUPERSEDES OLD TRACING 82-3-228 UNDER REVISION DATE OF NOV. 26, 1943.

CHARGE, SPOTTING ASSEMBLY, MIAI, (BLACK POWDER), AND DETAILS FOR MIAI M3 AND M4.

AUGUST 16, 1937	CLASS	DIVISION	DRAWING FILE
	82	3	228

REVISIONS

NO.	DATE	DESCRIPTION
1	1-20-40	
2	5-25-41	
3	11-26-43	
4	1-15-45	
5	10-15-46	
6	8-4-56	

DRG. PERTAINS TO

APPROVED BY: *[Signature]*

DATE: *[Date]*

ORDNANCE DEPT. U.S.A.

ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
VICTORVILLE PBR #6
VICTORVILLE, CA
PROJECT #J09CA069101

APPENDIX E

REPORTS/STUDIES

APPENDIX E
REPORTS/STUDIES

Table of Contents

- E-1. INPR (B-3).
- E-2. November 1944 ordnance receiving report (B-83).
- E-3. October 1945 declaration of surplus property (B-28).
- E-4. January 1946 appraisal report (B-30).
- E-5. August 1946 appraisal report (B-29).
- E-6. September 1946 dedudding planning report (B-16).
- E-7. October 1947 final dedudding report (B-23).
- E-8. March 1948 certificate of clearance (B-22).



DEPARTMENT OF THE ARMY
 SOUTH PACIFIC DIVISION, CORPS OF ENGINEERS
 630 Sansome Street, Room 720
 San Francisco, California 94111-2206

REPLY TO
 ATTENTION OF:

CESPD-ED-MH

JUL 24 1991

MEMORANDUM FOR

Commander, U.S. Army Engineer Division, Missouri,
 P.O. Box 103 Downtown Station, Omaha, NE 68101-0103

Commander, U.S. Army Engineer Division, Huntsville,
 P.O. Box 1600, Huntsville, Alabama 35807

Commander, U.S. Army Corps of Engineers, 20 Massachusetts Avenue,
 N.W., Washington, DC 20314-1000

SUBJECT: DERP-FUDS Inventory Project Report for Various Locations in the
 South Pacific Division Area

1. I have determined that the below listed sites are eligible for DERP-FUDS under the law.

<u>SITE NUMBERS</u>	<u>SITE NAME</u>	<u>LOCATION</u>	
J09CA067600	Victorville PBR No. 10	Victorville, California	(Encl 1)
J09CA068500	Victorville PBR No. 19	Victorville, California	(Encl 2)
J09CA068600	Victorville PBR No. 2	Victorville, California	(Encl 3)
J09CA068700	Victorville PBR No. 20	Victorville, California	(Encl 4)
J09CA068800	Victorville PBR No. 3	Victorville, California	(Encl 5)
J09CA068900	Victorville PBR No. 4	Victorville, California	(Encl 6)
J09CA069000	Victorville PBR No. 5	Victorville, California	(Encl 7)
J09CA069100	Victorville PBR No. 6	Victorville, California	(Encl 8)

2. I recommend that Huntsville Division determine if further study is needed at these sites.

8 Encl

for *[Signature]* LTC EJ
 ROGER F. YANKOUPE
 Brigadier General, U.S. Army
 Commanding

DEFENSE ENVIRONMENTAL RESTORATION PROGRAM
FOR FORMERLY USED SITES
FINDINGS AND DETERMINATION OF ELIGIBILITY
VICTORVILLE PRECISION BOMBING RANGE NO. 6
SAN BERNARDINO COUNTY, CALIFORNIA
PROJECT NO. J09CA069100

FINDINGS OF FACT

1. In May 1943, 320 acres were transferred from the U.S. Department of the Interior to the War Department through Public Land Order 125. Two hundred and forty acres were obtained by fee acquisition in a Declaration of Taking from Ted Butzin and Berto Olsen. The other 80 acres were leased from William and Hertha Young.

2. Victorville PBR No. 6 was used by the Army Air Forces based at Victorville Airfield as a practice bombing area. There were no buildings on the site. The Department of Defense (DOD) improvements on the site consisted of frame butts and appurtenances, fences and gates, and a bombing target. The bombing target was composed of asphalt strips approximately 5 feet wide configured as three concentric circles with approximate radii of 100, 200, and 300 feet. In addition, there were two strips of asphalt which transected the concentric circles at right angles to each other.

3. In March 1946, accountability for 240 acres of Victorville PBR No. 6 was assumed by the War Assets Administration. In February 1949, the site was declared dedudded and certified to be free and clear of explosives or explosive objects reasonably possible to detect by visual inspection. The transfer of 320 acres became official in February 1952 through Public Land Order 807. In February 1948, the other 80 leased acres were returned to the lessor. Currently, 320 acres of the site are controlled by the U.S. Department of the Interior and 320 acres are owned by approximately 15 private landowners.

DETERMINATION

Based on the foregoing findings of fact, the site has been determined to have been formerly used by the DOD. It is therefore eligible for the Defense Environmental Restoration Program For Formerly Used Defense Sites established under 10 U.S.C. 2701 et seq.

23 July 91

Date

R. F. Yankoupe LTC EJ

for ROGER F. YANKOUBE
Brigadier General, U.S. Army
Commanding

SITE SURVEY SUMMARY
FOR
DERP PROJECT NO. J09CA069100

SITE NAME: Victorville Precision Bombing Range (PBR) No. 6

LOCATION: The former Victorville PBR No. 6 is located approximately 4 miles north of Lucerne Valley, California.

SITE HISTORY: The site originally consisted of 640 acres. In May 1943, 320 acres were transferred from the U.S. Department of the Interior to the War Department through Public Land Order 125. Two hundred forty acres were obtained by fee acquisition from one private landowner. The other 80 acres were leased from one private landowner. The site was used by the Army Air Forces based at Victorville Airfield as a practice bombing area. In March 1946, accountability for 240 acres of Victorville PBR No. 6 was assumed by the War Assets Administration. In February 1949, 320 acres were retransferred to the U.S. Department of the Interior. The other 80 acres were returned to the lessor in February 1948. Currently, 320 acres of the site are controlled by the U.S. Department of the Interior and 320 acres are owned by approximately 15 private landowners. The only DOD improvements still on the site are the weathered remains of the asphalt bombing target. There is no visible evidence of unsafe debris, hazardous or toxic waste, or unexploded ordnance resulting from DOD use of the site. However, there are the fragments from exploded ordnance dropped on the bombing target scattered throughout the site. The fragments are spaced approximately 30-40 feet apart within the 300 foot bombing target and 100-150 feet apart throughout the remainder of the site. San Bernardino County Environmental Health and Fire Departments, the California Regional Water Quality Control Board No. 7 and the George Air Force Base EOD Office records do not indicate any hazards associated with the site.

SITE VISIT: Dennis Parker and Paul Robinson, The Earth Technology Corporation visited the site on 21 November, 1988.

CATEGORY OF HAZARD: During the site visit, no visible evidence of hazardous or toxic waste, unexploded ordnance, or unsafe building debris was observed at the site. However, there are fragments of exploded ordnance in the bombing target area.

PROJECT DESCRIPTION: None

AVAILABLE STUDIES AND REPORTS: A real estate file is maintained by the Real Estate Division, Los Angeles District, Corps of Engineers. The real estate file contains partial acquisition and disposal records for the site. The real estate file also contains a document declaring the bombing target to be free and clear of explosives or explosive objects reasonably possible to detect by visual inspection.

POC/DISTRICT: Debra Castens, (213) 894-2865, Los Angeles District

PROJECT SUMMARY SHEET
FOR
DERP-FUDS OE PROJECT NO. J09CA069100
VICTORVILLE PRECISION BOMB RANGE NO. 6
SAN BERNARDINO COUNTY, CALIFORNIA
SITE NO. J09CA069100

PROJECT DESCRIPTION: The Victorville Precision Bombing Range (PBR) No. 6 was used by the U.S. Army Air Corps as a practice bombing target for aircraft from the Victorville Army Air Field (now George AFB).

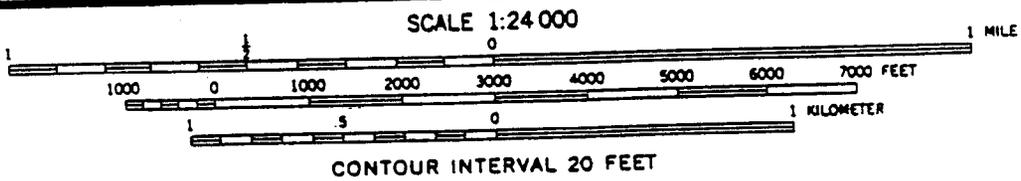
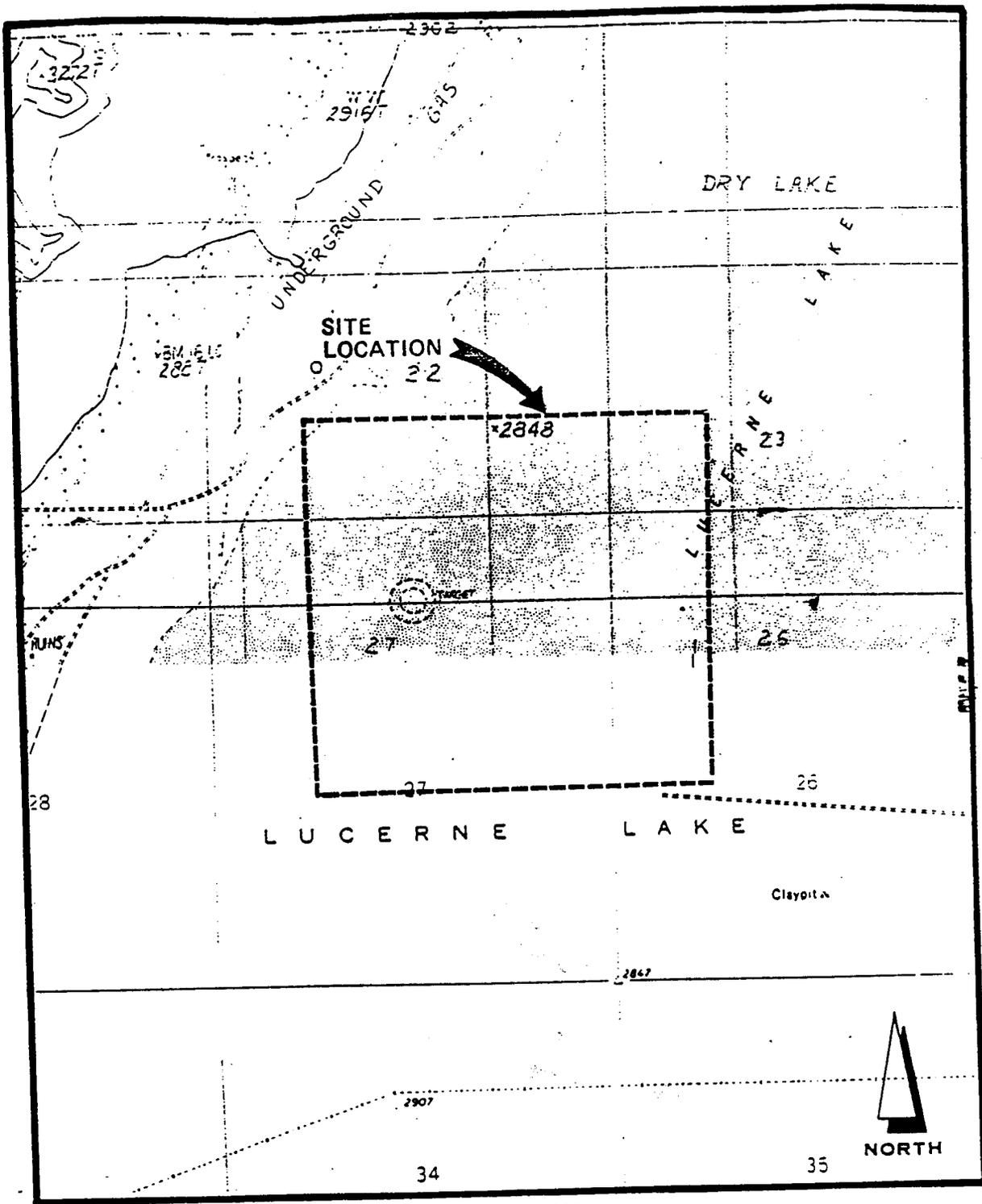
PROJECT ELIGIBILITY: The property has formerly been used by the U.S. Army Air Corps. No military improvements are known to have occurred. The site is nearly flat with about 24 feet of relief and is covered with light brush, and grass. The site is remote, undeveloped desert, covered with brush and visited by off-road vehicles.

POLICY CONSIDERATIONS: N/A

PROPOSED PROJECT: Recommend the Corp's Mandatory Center of Expertise (MCX) for OEW at the Huntsville Division make a determination if further action is appropriate.

RAC: Attached

DISTRICT POC: Request CEHNC inform Ms. Debra Castens at (213) 894-2865 when a determination is made regarding project status.



TOPOGRAPHIC SITE MAP OF THE FORMER
VICTORVILLE PRECISION BOMBING RANGE NO. 6

S E C R E T

Air Corps Supply

1. Received 892,000 pounds of supplies.
2. Shipped 557,531 pounds of supplies.
3. Received and issued 1,890,123 gallons of gasoline.
4. Received and issued 24,174 gallons of oil.
5. Maintained approximately 15,000 stock record cards.
6. Processed 472 debit memorandum receipts.
7. Processed 405 credit memorandum receipts.
8. Initiated 40 purchase requests.
9. Submitted 1162 requisitions.
10. Processed 4,925 vouchers to the S/R account.
11. Average number of airplanes grounded daily for parts -
November, 11; December, 16.

53

General Supply

1. Received 122,733 pounds of freight.
2. Shipped 20,048 pounds of freight.
3. Processed 929 Property Issue Slips.
4. Processed 136 property turn-in slips.
5. Issued 227 debit Memorandum Receipts.
6. Issued 188 credit Memorandum Receipts.
7. Submitted 96 requisitions for supplies.
8. Initiated 26 Purchase Requests, amounting to \$18,888.08. 54

Ordnance Supply

- | | |
|--|-----------|
| 1. Bombs practice 100 #M38a2; Received 18,000. | |
| 2. Bombs chemical 100 #M47a2; Received 10,000. | |
| 3. Bombs concrete 100 #M85; Received 18,879. | 55 |
| 4. Duds reported: .02% . | <u>56</u> |
| 5. Expended 1500 Bombs practice 100 #M38A2. | |
| 6. Expended 8500 Bombs chemical 100 #M47A2. | 57 |

- | | | |
|-------------------------------|--------------------|--------------------|
| 7. Small Arms Ammunitions: | Received <u>58</u> | Expended <u>59</u> |
| Cartridge, ball, cal.22 LR | 0 | 13,500 |
| Cartridge, ball, cal.45 M1911 | 3,500 | 29,710 |
| Cartridge, ball, cal. 30 ML | 2,581 | 4,800 |

53. Stock Records, Vouchers, Requisitions and Purchase Request Files, Air Corps Supply, VAAF, Victorville, Calif., 1 Nov thru 31 Dec 1944.
54. Vouchers to General Supply Stock Record Account, Requisition File, and Purchase Request File, VAAF, Victorville, Calif., 1 Nov to 31 Dec 1944.
55. Ordnance Debit Voucher File, VAAF, Victorville, Calif., 1 Nov to 31 Dec 1944.
56. Squadron Operations Forms, VAAF, Victorville, Calif., 1 Nov to 31 Dec 44.
57. Certificate of Expenditure, Bombs, Ordnance Office Credit Voucher File, VAAF, Victorville, Calif., Nov and Dec 1944.
58. Ordnance Debit Voucher File, VAAF, Victorville, Calif., Nov and Dec, 1944.
59. Property Issue Slip, Certificate of Expenditure, Ammunition, VAAF, Victorville, Calif., Nov and Dec 1944.

-126-

S E C R E T

E-2

S E C R E T

	Received	Expended
7. Small Arms Ammunitions (cont'd)		
Cartridge, ball, cal.30 M2	10,528	0
Shell shotgun, No.00 buckshot, 12ga.	881	0
Shell shotgun, No.7½ buckshot, 12ga.	3,500	0
Shell shotgun, No.8 chilled shot	35,000	53,000
Ammunition, blank, dbl. pellet, charge for 75 mm	10	37
8. Received sixty carloads of Ordnance Supplies.		<u>60</u>

	<u>Subsistence</u>	<u>October</u>	<u>November</u>
1. Rations issued		101,201	88,847
Value		\$ 60,590.22	\$ 55,677.03
2. Cash Sales		9,419.45	7,571.17
3. Charge Sales		43,422.71	44,519.19
4. Gasoline Sales		1,877.76	2,232.63
Federal Tax		312.99	572.14
State Tax		625.92	744.21 <u>61</u>

	<u>Transportation</u>	<u>October</u>	<u>November</u>
1. Shipments received on Govt B/L		439	493
2. Total tonnage received	6,161,162		7,096,360
3. Carloads Received	17		44
4. Shipments made on Govt G/L	202		154
5. Total weight of outgoing shipments	540,647		571,309
6. Carload shipments made	8		3
7. ATC Air Freight shipments received	8,591		15,039
8. ATC Air Freight shipments made	2,485		5,328
9. Transportation requests issued	241		258
10. Army meal tickets issued	524		465
11. OPA Forms 594 and 595 issued	2,716		613 <u>62</u>

Note: Reference is made to history for the period September and October; the statistics for Rail Transportation were for the months of August and September, instead of September and October.

- 60. Ordnance Debit and Credit Voucher files, VAAF, Victorville, Calif., Nov and Dec 1944.
- 61. Vouchers to the General Supply Subsistence Section Account, VAAF, Victorville, Calif., 1 Oct to 30 Nov 1944.
- 62. Govt. B/L Files, Demurrage Files, Meal Ticket File, Air Transport Command Feeder Air Freight Service Files, and Transportation Request Files, VAAF, Victorville, Calif., 1 Oct to 30 Nov 1944.

CE 602(Victorville AAF, Calif. - Target 6) SPELT

Form SPB-5
(3-30-45)

UNITED STATES OF AMERICA
SURPLUS PROPERTY BOARD

Budget Bureau No. 16-1000-
Approval expires May 1, 1946

DECLARATION OF SURPLUS REAL PROPERTY

(In the continental United States, its Territories and possessions)
to the Surplus Property Board, Washington 25, D. C.

IMPORTANT.—Instructions for completing this form appear on reverse.

1. FROM: War Department, Army Service Forces,
Corps of Engineers, Washington 25, D. C.

2. LOCATION OF PROPERTY (ATTACH MAP) County of San Bernardino, State
of California, located 18 miles east and 3 miles south
from Victorville, Calif., which is on the A.T.&S.F.
RR and United States Highway 66

3. REPRESENTATIVES TO CONTACT Philip G. Bruton, Brigadier General,
U. S. Army, Division Engineer, Pacific Division, 351
California Street, San Francisco 19, California
Phone: Garfield 6900 (See Schedule 3)

4. USE OF PROPERTY WHEN ACQUIRED
Poor open desert range and alkali lake bed with no
apparent use. (See Schedule 4)

5. OPINION OF BEST FUTURE USE

None whatsoever unless large water development is
carried on in area.

6. GENERAL DESCRIPTION OF PROPERTY

The subject property comprising of 240 acres is situated in the County of San Bernardino, State of California, Lucerne Valley School District. This land is located 18 miles east and three miles south of Victorville, California (Population 3100) which is on the Atchison, Topeka & Santa Fe Railroad and United States Highway 66 and is further located four miles northwest of Lucerne Valley a small village on State Highway 18.)

Subject property is known as a portion of Target 6, Victorville Army Air Field, and has been improved by the Government by construction of approximately 4572 feet of three-strand barb wire fence with 310 steel posts approximately 14 feet apart with one all metal gate 12 feet wide. (See "Block 6 - Schedule C") The Government constructed on said property two large circles with a cross through them to designate the target proper. These markings are made with a thin coat of asphalt paving approximately five feet wide and one inch thick. The largest circle is approximately 300 yards in diameter. (See "Block 6 - Schedule D")

For additional information see Schedules A to H. ✓

7. DATE <i>2 Oct. 1945</i>	8. REPORTING AGENCY NO. WD 258
9. SURPLUS PROPERTY BOARD NO. <i>W. I. - Calif. 26</i>	10. DISPOSAL AGENCY NO.
11. APPROXIMATE AREA 240 Acres	
12. COST OF PROPERTY	
ACQUISITION	\$ 120.00
BETTERMENTS	\$1,200.00
TOTAL	\$1,320.00
13. PROCEEDS: IF "REIMBURSABLE", GIVE SYMBOL AND TITLE APPROPRIATION OR GOVERNMENT CORPORATION.	

DO NOT FILL IN

FORWARDED BY SPB TO:

Dept. of Interior

11/7/45 *E. M. K.*

Date Initials

14. AUTHORIZED BY Chief of Engineers

ROBERT H. FABIAN
(Name of reporting official (please type))

Major, Corps of Engineers, United States Army
(Title (please type))

Robert H. Fabian **E-3**
(Signature of authorized official)

BY SPB ORIGINAL

SCHEDULE 4

Use of Property When Acquired:

The area is generally poor open desert range country which was settled a number of years ago through homesteads and purchase of railroad lands with the intent of developing the lands for irrigation. This proved unsuccessful in most instances.

The land was unoccupied and had no buildings, fences, or domestic water. Entire property is situated in an old flat alkali lake bed and has no possible apparent use for any purpose and is absolutely barren.

It was purchased in 1936 by former owners as an oil speculation. At the present time there is no oil development and purchasers give no consideration to speculative oil factors in land values. It is reported by former owners that some few years ago they had offers to lease property on a royalty basis for rotary mud but this was never done and there appears to be no interest in this at the present time.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE
Branch of Field Examination

SP-52020

(Field number)

1

(Region)

JAN 4 1946

(Date)

REPORT

16-39498-1 GPO

Land district
and serial No. Los Angeles 2077054 Date of examination December 28, 1945
^{"SRP"}
Name Surplus Real Property Field examiner J. A. Ramsey and
J. D. C. Thomas
Subject Appraisal, Classification Approved:
Date _____ (Signed) J. H. Favorite
(Application or proof) Regional Field Examiner.

Lands involved: NE¹, E¹SW¹, section 27, Township 5 North, Range 1
West, S.B.M., in San Bernardino County, Calif.

With a memorandum, dated December 19, 1945, addressed to Mr. J. H. Favorite, Regional Field Examiner, San Francisco, California, from Dale B. Whiteside, Supervisor, Branch Field Examination, there was enclosed a copy of a request from Mr. C. W. Kersio, Acting Chief, Surplus Real Property Division, for appraisal, classification and for a recommendation as to the most economical and saleable subdivision of the property above-described. Copies of instructions contained in SP-1 and SRP-2 were attached.

This land is situated in the western part of San Bernardino County, California, approximately 20 miles southeast of the town of Victorville and 3-1/2 miles north of Lucerne post office. It lies in the bed of a dry lake.

There is no vegetation of any character on this parcel of land. The soil is adobe and clay, and is so impregnated with alkali that it is toxic to any vegetation growth. It is covered with water during portions of the year.

The interior lines of this township were surveyed by Henry Hancock in 1855. In explanation of his failure to survey sections 13, 14, 23, 24, 26 and 27, the original plat contains the following notation by the surveyor: "Note by Dep Sur," "Sections 13, 14, 23, 24, 26 and 27 are nearly naked and destitute of vegetation and appear to be the dry bed of a lake, interspersed with patches of spongy, Alkaline and Soda Soil, but without well defined limits."

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Elements of Value

This land has no value for any agricultural purpose. There is a possibility that the clay material could be used for drilling mud. One of the former owners, Dr. Tod A. Butzin of 9315 W. Olympic Blvd., Los Angeles, California, stated that the Victor Mud Company of Long Beach, California, had sampled the property for drilling mud, but because of the action of the War Department in taking over the property, nothing further was done. He further stated that he and Dr. Berto A. Olson of 6331 Hollywood Blvd., Los Angeles, purchased section 27 for speculative purposes, had not agreed to sell the land to the United States, and had refused to accept a check for \$120.00 offered in payment for the 240 acres taken by the War Department.

This land lies 20 miles from any rail transportation which would diminish its value as a source of drilling mud. There are numerous deposits of this material very close to shipping points in southern California and much nearer the oil fields.

Evidence of Value

The only recent sale found of record is a sale of public land under the isolated tract law; Isolated Tract 053499, Theodore Frazier of Los Angeles, California, for the SE $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, section 28, Township 5 North, Range 1 West, SEM. This land was sold at public sale for \$1.50 per acre. It is outside the lake bed area and contains a vegetation growth of native grasses and shrubs. There were no sales of comparable lands available for comparison.

Eloise M. Thompson, Asst. Postmaster, Lucerne, California, J. S. Gobar, Joel A. Torrey, Marie Doyle, and Harold Reed, all land owners in the vicinity, were interviewed. They stated that this land had no value whatever for agricultural or residential purposes.

Mr. Gobar stated it might be worth \$1.00 per acre for speculation purposes, but he knew of no purpose for which the land could be beneficially used at the present time.

The tax rolls of San Bernardino county show that the remaining 400 acres in section 27 are assessed at \$1.00 per acre. Section 23, which is identical in character is assessed for \$560.00, or about 87-1/2 cents per acre.

2.

Los Angeles 2077054
"SRP" SF-82040

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E-4

Sales Record

Section 27 was purchased from the Southern Pacific Land Company, July 30, 1936, by Dr. Ted A. Butzin and Dr. Berto A. Olson for \$1.00 per acre. The deed was recorded August 26, 1936, in book 1155, page 370, Official Records of San Bernardino County. The deed contains the land company's notation "Appraisal No. 673-789". "Sale No. 7564-R."

There was no deed on record in the San Bernardino County Recorder's office showing a transfer to the United States. Inquiry was made of Dr. Butzin and he stated that the War Department took possession of the land but no deed was executed and the \$120.00 tendered in payment had been refused. This statement was confirmed in part by an examination of the records of the Lands Division, Department of Justice. The records show default judgment entered November 8, 1944, and title taken. A check was issued for \$120.00 in payment for the 240 acres under the judgment, but defendants (Dr. Ted A. Butzin and Dr. Berto A. Olson) refused to accept the amount tendered under the judgment.

Section 27 was assessed at 50 cents per acre during the period it was held by Butzin and Olson. The assessments were raised to \$1.00 per acre in 1945 on the 400 acres in section 27 still owned by them. Similar lands are now assessed at from \$7-1/2 cents to \$1.00 per acre.

In general San Bernardino County assesses at 50% of the market value, but recently rates have been raised and this character of land appears to be assessed above its actual value and above its fair market value.

With reference to paragraph 3 of Instructions No. SRP-2, there is no difference in the various subdivisions. It seems impossible to name any subdivision that could be considered the most economical and saleable subdivision of the parcel. The tract should be disposed of in one block.

Regarding paragraph 4 of No. SRP-2 - Dr. Butzin declined to commit himself with regard to repurchase of the property without consulting with his partner, Dr. Olson, who is absent from Los Angeles.

There has not been any increase or decrease in the value of this land because of its acquisition by the War Department. We were informed that the land was not used by the army as a target range and there are no indications on the surface of the parcel to indicate it was used by the army.

3.

Los Angeles 2077054
"SRP" SF-62040

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E-4

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Conclusions and Recommendations

The land has no value for any agricultural or building site purpose. Its value for clay material is purely speculative.

The adjacent lands identical in character are wholly unoccupied and unimproved and are assessed at from 87-1/2 cents to \$1.00 per acre, and prior to acquisition by the War Department were assessed on the basis of a valuation of \$100 per acre.

The land was acquired by a default decree for 50 cents per acre, but payment therefor was refused.

The nearest sale on record is not of comparable land. There are no records of recent sales of similar lands in the vicinity.

We would respectfully recommend that this land be appraised at \$1.00 per acre.

We do hereby certify that we have no interest, direct or indirect, in the property or sale or disposition thereof.

Respectfully submitted,

J. D. C. Thomas
Field Examiner

J. D. C. Thomas
Field Examiner

4.

Los Angeles 2077054
"SRP" SF-82040

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AUG 29 1946

UNITED STATES
DEPARTMENT OF THE INTERIOR
Bureau of Land Management
~~GENERAL LAND OFFICE~~
Branch of Field Examination
San Francisco 5, California

SF-32040
(Field number)

I
(Region)

AUG 27 1946
(Date)

REPORT

16-39495-1 GPO

Land district and serial No. Los Angeles 2077054 Date of examination August 9 & 12, 1946
"SRP"

Name Surplus Real Property Field examiner C. C. Smith

Subject Appraisal Classification Approved:
Improvements (Signed) J. H. Favorite

Date _____ (Application or proof) _____ Regional Field Examiner.

Lands involved: T. 5 N., R. 1 W., S.B.M., Sec. 27, NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$.

Your attention is respectfully invited to letter dated December 1945, from C. W. Kershow, Acting Chief, Surplus Real Property Division to Mr. Dale B. Whiteside, Supervisor, Branch of Field Examination. In this letter a formal request was made for one of the men from this division to appraise, classify, and recommend the most economical saleable subdivision of the above-described property.

On December 19, 1945, Mr. Dale B. Whiteside, Supervisor, Branch of Field Examination, addressed a memorandum-letter to Mr. J. H. Favorite, Regional Field Examiner, San Francisco, California, directing that the examination be made.

The purpose of the examination made by me was to identify the land and determine whether a fence existed thereon, and if so, to obtain all necessary data relative to this fencing. This was required for the reason in a report by agents of this office under date of January 4, 1946, they failed to mention any fence line on the land. In the Notice of Sale of this surplus government real property your attention is respectfully invited to the land description as given in this notice. The number of acres is given as 240 acres of land, and it is described as the NE $\frac{1}{4}$, E $\frac{1}{2}$, NW $\frac{1}{4}$, of Sec. 27, T. 5 N., R. 1 W., S.B.M., whereas it appears that the description should have read NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, of Sec. 27. Also in this Notice of Sale mention is made of 4,572 feet of 3 strand barb wire fence, etc.

Location and Description:

The land in this township was surveyed in 1914 and 1915 by Gu Redwine, U.S. Surveyor, and A. Parker Warner, U.S. Transitman. The purpose of the survey was to restore lost or obliterated corners marking the exterior boundaries and subdivision lines. This tract of land is located approximately 20 miles east

and $3\frac{1}{2}$ or 4 miles north from the town of Victorville, California. Identification was made from fixed public survey corners which I found in place. From the corner in place common to Sections 1, 2, 11, and 12, T. 5 N., R. 1 W. I ran a line south 3 miles and then west 2 miles, where I found the common corner to Sections 21, 22, 27, and 28. From this corner to Section 27 I made a traverse of the land and noted all the improvements found thereon. The total amount of fence found in conflict with this land was found to be 2795 feet. The fence consists of 3 strand barb wire with angle iron posts set 16 feet apart. These angle iron posts are made of $1\frac{1}{2}$ "x $1\frac{1}{2}$ " and stand 4' above the ground. In all there are 168 of these posts. The amount of barbed wire used to construct this fence as near as I could calculate would be 6.36 spools. There are 4 three inch iron posts 4 feet above the ground at the corners of the fencing, and also at these corners there are in all 8 $1\frac{1}{2}$ "x $1\frac{1}{2}$ " inch angle iron braces 6 feet long which are bolted to the posts. There is a iron gate 12 feet wide $3\frac{1}{2}$ feet high covered with heavy wire mesh netting. The field enclosed by this fencing was octagon in shape, and approximately one-half of the enclosed field lies north of this land in Section 22. This enclosed field was known by the Army men as Bombing Target No. 6.

The entire length enclosed by the fencing was found to be 5307 feet and contained a total of 332 iron posts, The amount of wire necessary to enclose this field, using three strands, as near as I could determine would be 12.04 spools. In going around this fencing I noted quite a few of the iron posts were completely rusted off at the surface, and from this I judged that most of the posts were badly eroded due to the acid condition of chemicals in the dry lake bed. The land has been used extensively for bombing purposes. Fragments of bursted bombs and unexploded bombs are so numerous in the field that it is almost impossible to drive a car through them.

It appears from the records that the land embraced in this report was acquired through an action in condemnation, being Civil Suit No. 2434-OC. It is known as Tract 62 in said action and judgment by default was taken on November 8, 1944, in which the defendants were awarded \$120 as a fair adequate compensation for the subject property. This would amount to only 50¢ per acre. A check in this amount it appears has been tendered to the defendants on numerous occasions, but each of them refused to accept the check and execute receipt in full satisfaction.

Los Angeles 2077054 "SRP"
SF-82040

The land consists entirely of a portion of a dry lake bed and the material is a mud on which no vegetation of any kind grows.

I have read the reports formerly submitted by agents of this office and agree with them on what has been said with these exceptions. In the last paragraph on page 3 they apparently were misinformed when told that the land was not used by the Army as a target range and there are no indications on the surface that it was used by the Army. As heretofore stated the land has been used extensively by the Army for a bombing target.

As to the fence existing thereon, I am at a loss to understand why it was not found for it is in the open level dry lake bed and can be seen for miles. I believe the value that they have recommended, that the land be appraised for, namely \$1.00 per acre, is fair and just. This would make the land worth a total of \$240.

Found on this land and extending northerly into Section 22, I would list the items as follows:

Barbed wire in 12.04 spools @ \$5.00 per spool laid down \$60.20.
Steel posts--332 @ 75¢ each laid down \$249.00
Construction cost - 4 men 4 days @ \$5.00 per day, \$80.00

This would make a total of \$389.20 as the total first cost of the fence on this land. The value of that portion of the fencing which is actually within the land embraced in this report consists of 2,795 feet. To construct this fence there are 174 iron posts, and it would require 6.36 spools of barbed wire. This wire laid down on the ground would cost about \$5.00 per spool, making a total of \$31.80, and the iron posts would cost approximately 75¢ each, making a total of \$130.50. The cost of building this fence would be \$40.00, making a total of \$202.30. The cost of the gate, together with iron posts used at the gate and at the corners of the fence, would be approximately \$25.00. All of this would make a total of \$227.30 as the first cost of the 2,795 feet of fencing found on this land. I do not believe that any prospective purchaser would pay over 50% of this first cost value for this fence as it now stands. It would have to be taken down and all the wire rolled up and hauled to some distant point. Fifty per cent of this apparent first cost would amount to \$113.65. Adding this to the appraised value of the land, \$240.00, it would make a total of \$353.65.

I took no sample of the mud in this lake bed to determine its value with its use in connection with the oil drilling industry.

Los Angeles 2077054 "SRP"
SF-82040

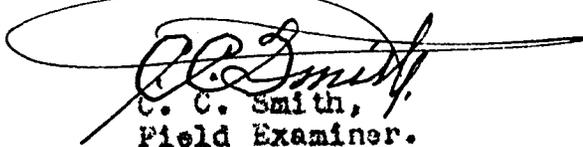
AUG 27 1946

I would certify that I have no interest of any nature in this land or the improvements either directly or indirectly or the selling thereof.

Recommendations:

I would recommend that the land embraced in this report be sold for not less than \$1.00 per acre, or \$240.00, and that the fencing contained thereon be disposed of at a price of not less than \$11.40, making a total of \$351.40.

Respectfully submitted,


C. C. Smith,
Field Examiner.

CCS:lrs

Los Angeles 2077054 "SRP"
SF-82040

AUG 27 1946

DEDUDDING REPORT ON BOMBING TARGETS FORMERLY ASSIGNED TO
VICTORVILLE ARMY AIR FIELD

1. Victorville Army Air Field
2. Victorville Bombing Targets
3.

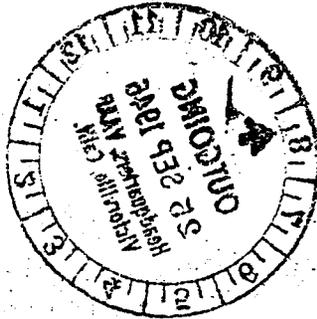
Target No. 1 - 160 Acres	Target No. 14 - 640 Acres
Target No. 2 - 640 Acres	Target No. 15 - 640 Acres
Target No. 3 - 640 Acres	Target No. 16 - 640 Acres
Target No. 4 - 640 Acres	Target No. 17 - 640 Acres
Target No. 5 - 640 Acres	Target No. 18 - 640 Acres
Target No. 6 - 640 Acres	Target No. 19 - 640 Acres
Target No. 7 - 640 Acres	Target No. 20 - 640 Acres
Target No. 8 - 640 Acres	Target No. N-1 - 640 Acres
Target No. 9 - 640 Acres	Target No. N-2 - 640 Acres
Target No. 10 - 640 Acres	Target No. N-3 - 640 Acres
Target No. 11 - 640 Acres	Demolition Target Y - 2240 Acres
Target No. 12 - 640 Acres	Demolition Target Z - 4009 Acres
Target No. 13 - 640 Acres	
4. Terrain is flat desert land with sparse vegetation and brush.
5. Period between first March and first December would be most suitable for search and demolition crews. Temperatures of 100 and over will be normal from the middle of June to the middle of September. Rain and cold weather would hamper operations during December, January, and February.
6. Victorville, California is the only town from which the area is readily accessible. Disposal teams could be billeted at Victorville Army Air Field while clearing targets nearest to field. Field camps would be logical for the outlying targets. Distances from Victorville to the Bombing Targets range vary from 10 miles to over 100 miles by road. Reference is made to attached vicinity map.

- 7. One hundred pound sand filled practice bombs were used on all targets except Demolition Targets Y and Z. Five hundred pound demolition were used on Targets Y and Z.

8. (a) No information is available at this station as to which targets are now in use since all remaining targets were transferred to the Los Angeles District Engineer as surplus. It is believed that some targets were cleared by a detachment from Camp Hahn on orders from Ninth Service Command.

(b) There has been no certificate of clearance submitted to Victorville Army Air Field.
9. Major Paul Bidwell, now located at 610 North Richmond Street, Albuquerque, New Mexico, was Assistant Post Engineer and Range Officer at Victorville Army Air Field during 1944 and 1945.
10. Lt. Robert E. Myers, Air Corps, is now Post Engineer at Victorville Army Air Field.

11. A vicinity map showing Bombing Target locations outlined in red is attached hereto.
12. There are no personnel available at Victorville Army Air Field for search parties.
13. There are no vehicles available at Victorville Army Air Field for transportation of search parties.



WAR DEPARTMENT
OFFICE OF THE CHIEF OF ENGINEERS
9800 TSU Detachment No. 14
BOMB AND SHELL DISPOSAL TEAM

MAY 26

20 October 1947

SUBJECT: Report on the dedudding of Victorville Bombing
Targets, San Bernardino County, California.

TO: Division Engineer
South Pacific Division
Corps of Engineers, War Dep't.
Oakland Army Base
Oakland 14, California

1. The 9800th TSU-CE Detachment #14, Bomb & Shell Disposal Team, was assigned the clearing of the Victorville Bombing Targets, Victorville, California under Surplus Real Estate Directives, South Pacific Division Numbers: Z-2571-3, X-3019-4, Z-3020-4, Z-3021-4, and Los Angeles District Numbers: Z-1264-3, X-1480-4, Z-1481-4, 1482-4. These Directives cover the dedudding of target Numbers: 6, 8, 9, 15, Y, 1-Z and 2-Z, a total of 9,029.35 acres. The dedudding operations of said targets began 7 July 1947 and were completed 18 October 1947.
2. Five laborers, hired through the Los Angeles District Engineers, and the personnel of the Detachment made up the searching party. Two Project Engineers were also furnished by the Los Angeles District Engineers.
3. The total man-hours, including Civilian and Detachment labor, was 8200 hours. The total Civilian field cost (Salary and Per Diem) was \$8166.00.
4. A team made up of one Project Engineer and one Sergeant from the Detachment surveyed and marked the boundaries of each range ahead of the search crew. The other Project Engineer, in conjunction with a Detachment Sergeant, controlled the search crew.
5. Targets 6, Y and 1-Z are located upon dry lake beds. Targets 8, 9, 15 and 2-Z are located on level desert land. Except for immediate center of the targets which have been cleared of vegetation, the areas are covered with a growth of sage, chapparal and other desert grasses and shrubs.

WAR DEPARTMENT
OFFICE OF THE CHIEF OF ENGINEERS
9800 TSU Detachment No. 14
BOMB AND SHELL DISPOSAL TEAM

RECEIVED
MAY 31 1945

6. All of the dedudded land covered by this report is suitable for grazing and/or mining only, with the possible exception of targets 8, 9 and 15 which are potential agricultural areas depending on adequate water supply.

7. It is estimated that there is approximately 236 tons of scrap on subject targets. The Los Angeles District Engineers has submitted an estimate for scrap removal on these targets to the Division Engineers for further action.

8. The method of searching was as it was in similiar reported jobs. However, the immediate target areas were more heavily impacted and a large percentage of the bombs were buried or partially buried necessitating three passes of the search crew and considerable excavating. The adjacent areas, being slightly impacted and the nature of the terrain, permitted the spacing of the search crew at wider intervals than in previous reported jobs.

9. All blasting was done after the searchers were out of the range or at a latter date. The dud bombs were rid of by placing a sufficient size charge of Composition C-3 on them, so as to explode the bomb or completely demolish it. After detonation the demolition man checked the surrounding area to insure that the object in question had been destroyed.

10. A list of duds found and destroyed are given below:

- (a) 2 Bomb, 2,000-pound, Light Case, H. E., AN-M56
- (b) 13 Bomb, 100-pound, H. E.
- (c) 1 Bomb, Flare, Aircraft, Parachute, M26
- (d) 629 Bomb, Practice, M38-A2

WAR DEPARTMENT
OFFICE OF THE CHIEF OF ENGINEERS
9800 TSU Detachment No. 14
BOMB AND SHELL DISPOSAL TEAM

11. I believe the 9,029.35 acres covered by this report to be free from explosive material for the purpose of grazing, mining and/or agricultural purposes.

12. The location of this area is designed by the enclosed map of:

Real Estate
Victorville Army Air Field-Bombing Ranges
Drawing No. 65-FP
State: California
County: San Bernardino

S/ Joseph P. Sainato

JOSEPH P. SAINATO
1st Lt., CE
9800th TSU-CE Det #14
Bomb & Shell Disposal Team
Commanding

C O P Y

10 March 1948



DEDUDDING CERTIFICATE
BOMBING TARGET NO. 6, VICTORVILLE ARMY AIRFIELD

This is to certify that the property known as Bombing Target No. 6, Victorville Army Airfield, located about 18 miles east and 3 miles south of Victorville, California, was thoroughly dedudded and all military scrap removed therefrom as of 18 December 1947.

A careful search of the area reveals nothing of a dangerous or explosive nature and there is no military scrap located thereon. To the best of my knowledge and belief the entire area is clear of all dangerous explosives. The area is recommended for any use for which the land may be suited.

/s/ B. C. Hedrick
B. C. HEDRICK
Engineer, Civil
Los Angeles District

APPROVED *A. J. Wilson*
A. J. Wilson, Director
Property Management Division
Office of Real Property Disposal
War Assets Administration

E-8

ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
VICTORVILLE PBR #6
VICTORVILLE, CA
PROJECT #J09CA069101

APPENDIX F

LETTERS/MEMORANDUMS/MISCELLANEOUS ITEMS

APPENDIX F
LETTERS/MEMORANDUMS/MISCELLANEOUS ITEMS

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- F-1. December 1997 letter on endangered species (B-6).
- F-2. February 1942 letter about site acquisition (B-13).
- F-3. April 1945 letter on abandonment of PBR #6 (B-17).
- F-4. December 1945 letter on excess installations (B-50).
- F-5. November 1946 memorandum about PBR #6 (B-27).
- F-6. March 1947 memorandum on sale of PBR #6 (B-26).
- F-7. April 1947 letter on status of PBR #6 (B-25).
- F-8. May 1947 memorandum of inspection at PBR #6 (B-24).
- F-9. August 1947 property disposal form (B-20).
- F-10. February 1949 letter about PBRs #2, 6, and 17 (B-37).



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Ventura Fish and Wildlife Office
2493 Portola Road, Suite B
Ventura, California 93003

December 19, 1997

Director
Defense Ammunition Center
Attn: SIOAC-ESL (R.Hale)
3700 Army Depot Road
Savanna, Illinois 61074-9639

Subject: Species List for the Former Victorville Precision Bombing Range, San Bernardino County, California

Dear Mr. Hale:

This letter is in response to the Department of the Army's (DOA) request, dated November 10, 1997 and received by us on November 17, 1997, for information on listed, proposed, and candidate species that may occur in the vicinity of the former Victorville Precision Bombing Range in San Bernardino County, California. The Army's Defense Ammunition Center is assisting the U.S. Army Corps of Engineers in assessing formerly used defense sites for potential contamination by ordnance and explosives.

The threatened desert tortoise (*Gopherus agassizii*) occurs in the vicinity of the Victorville Precision Bombing Range. Critical habitat for the desert tortoise has been designated and portions of the bombing range occur within the Ord-Rodman critical habitat unit. No species proposed for listing or candidate species occur within the area of the bombing range.

This letter fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act of 1973, as amended (Act). If the subject project may affect a listed species, the DOA has the responsibility to prepare a biological assessment if the project is a construction project which may require an environmental impact statement^{1/}. If a biological assessment is not required, the DOA still has the responsibility to review its proposed activities and determine whether the listed species will be affected.

During the assessment or review process, the DOA may engage in planning efforts, but may not make any irreversible commitment of resources. Such a commitment could constitute a violation of section 7(d) of the Act. If a threatened or endangered species may be affected, the DOA should request, in writing through our office, consultation pursuant to section 7 of the Act.

Richard Hale

2

Informal consultation may be used to exchange information and resolve conflicts with respect to threatened or endangered species prior to a written request for formal consultation.

Should you have any questions, please contact Denise Washick of my staff at (805) 644-1766.

Sincerely,



Diane K. Noda
Field Supervisor

^{1/} "Construction Project" means any major Federal action which significantly affects the quality of the human environment designed primarily to result in the building or erection of man-made structures such as dams, buildings, roads, pipelines, channels and the like. This includes Federal actions such as permits, grants, licenses, or other forms of Federal authorizations or approval which may result in construction.

HEADQUARTERS
AIR CORPS ADVANCED FLYING SCHOOL
Victorville, California GFH:KSW:gr

February 13, 1942

SUBJECT: Information Pertaining to Bombing Ranges, ACAFS, Army Air Base,
Victorville, California.

TO: Commanding General, WCACTC, Moffett Field, California.

1. Reference WC684, letter dated February 9, 1942, subject, Request for Information Pertaining to Bombing and Gunnery Ranges, West Coast Air Corps Training Center, and letter, Office Chief of the Air Corps, dated January 31, 1942, same subject, paragraph 1, a, of the latter, there are no bombing ranges in operation at this station.
2. Reference paragraph 1, b, no bombing target sites have been acquired.
3. Reference paragraph 1, c, all bombing target sites are in the process of being acquired. A plat of each site is inclosed.
 - a. The range will be known as the Victorville Bombing Range.
 - b. Its location and approximate size are shown on the accompanying map. It is situated east of Victorville, California, and is comprised of a strip approximately twenty (20) miles wide and sixty-five (65) miles long.
 - c. The targets will be used for training aerial Bombardiers using one hundred pound (100 lb.), sand loaded, practice bombs.
 - d. There are no existing facilities.
 - e. Sites are being acquired for eighteen (18) targets to be located as shown on the plats. Plat number sixteen (16) will not be used. The targets will be of the type used for solid ground with wooden pyramids for centers. It is believed that both the photographic and triangulation methods of spotting will be used.
 - f. Approximately ten (10) of the targets will be lighted for night bombing.
 - g. The range will be used by the ACAFS, Victorville, California.

Copy

February 13, 1942

4. Reference paragraph 1, d, the flying field at the Victorville
✓ Military Airport will be used as a base for all bombing operations on the
range. Its location is shown on the accompanying map.)

5. No additional Ordnance storage facilities will be required for
range operation.

/s/ Donald B. Phillips
DONALD B. PHILLIPS
Lieut. Col., Air Corps
Commanding

3 Incls.
19-Plats
1-Map
1-List of target sites

Copy

BOMBING TARGET SITES

C O P Y

VICTORVILLE MILITARY AIRPORT
SAN BERNARDINO COUNTY

<u>No.</u>	<u>Township</u>	<u>Range</u>	<u>Section</u>
1	6N	3W	All of Section 21, S.B.B.&M.
(2	5N	3W	All of Section 12. S.B.B.&M.
3	6N	2W	$S\frac{1}{2}SE\frac{1}{4}$ Sec. 28; $S\frac{1}{2}SW\frac{1}{4}$ Sec. 27; $NW\frac{1}{4}$, $N\frac{1}{2}SW\frac{1}{4}$ Sec. 34; $NE\frac{1}{4}$, $N\frac{1}{2}SE$ Sec. 33. S.B.B.&M.
4	4N	2W	$SE\frac{1}{4}$ Sec. 6; $SW\frac{1}{4}$ Sec. 5; $NW\frac{1}{4}$ Sec. 8; $NE\frac{1}{4}$ Sec. 7. S.B.B.&M.
5	6N	1W	All of Sec. 4, S.B.B.&M.,
<u>6</u>	5N	1W	$E\frac{1}{2}SW\frac{1}{2}SE\frac{1}{4}$ Sec. 22; $W\frac{1}{2}SW\frac{1}{4}$ Sec. 23; $W\frac{1}{2}NW\frac{1}{4}$ Sec. 26; $E\frac{1}{2}NW\frac{1}{4}NE\frac{1}{2}$ Sec. 27. S.B.B.&M.
7	5N	1E	$SE\frac{1}{4}$ Sec. 4; $SW\frac{1}{4}$ Sec. 3; $NW\frac{1}{4}$ Sec. 10; $NE\frac{1}{4}$ Sec. 9. S.B.B.&M.
8	4N	1E	$E\frac{1}{2}$ Sec. 21; $W\frac{1}{2}$ Sec. 22. S.B.B.&M.
9	5 & 6N	2E	$E\frac{1}{2}SW\frac{1}{4}SE\frac{1}{4}$ Sec. 34; $W\frac{1}{2}SW\frac{1}{4}$ Sec. 35; $SW\frac{1}{4}NW\frac{1}{4}$ Lot 4 Sec. 2; $S\frac{1}{2}NE\frac{1}{2}$ Lots 1, 2, 3, Sec. 3, S.B.B.&M.
10	4N	2& 3E	$SE\frac{1}{4}SE\frac{1}{4}$ Sec. 1; $S\frac{1}{2}SW\frac{1}{4}$ Sec. 6; $SW\frac{1}{4}SE\frac{1}{4}$ Sec. 6; $E\frac{1}{2}NE\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}NW\frac{1}{4}$, $N\frac{1}{2}SW\frac{1}{4}$ Sec. 7; $E\frac{1}{2}NE\frac{1}{2}NE\frac{1}{4}SE\frac{1}{2}$ Sec. 12 S.B.B.&M.
11	6N	3E	$E\frac{1}{2}$ Sec. 35; $W\frac{1}{2}$ Sec. 36. S.B.B.&M.
12	4 & 5N	4E	$S\frac{1}{2}$ Sec. 32; $N\frac{1}{2}$ Sec. 5; S.B.B.&M.
13	3N	4E	All of Section 6 S.B.B.&M.
14	6N	4 & 5 E	$SE\frac{1}{4}$ Sec. 25; $SW\frac{1}{4}$ Sec. 30; $NW\frac{1}{4}$ Sec. 31; $NE\frac{1}{4}$ Sec. 36 S.B.B.&
15.	4N	5 E	$S\frac{1}{2}$ Sec. 30; $N\frac{1}{2}$ Sec. 31 S.B.B.&M.)
16	5N	5 & 6 E	$S\frac{1}{2}SE\frac{1}{4}$ Sec. 12 Lot 3 & 4; $SW\frac{1}{4}$ Sec. 7; $NW\frac{1}{4}$ Sec. 18; $W\frac{1}{2} NE\frac{1}{4} S$ Lot 1 & 2 S.B.B.&M.
(17	4N	6E	All of Sec. 29, S.B.B.&M.
18	3N	6 & 7E	$SE\frac{1}{4}$ Sec. 24; $SW\frac{1}{4}$ Sec. 19; $NW\frac{1}{4}$ Sec. 30; $NE\frac{1}{2}$ Sec. 25. S.B.B.
19	2N	6E	$E\frac{1}{2}$ Sec. 27; $W\frac{1}{2}$ Sec. 26. S.B.B.&M.)

HEADQUARTERS
VICTORVILLE ARMY AIR FIELD
VICTORVILLE, CALIFORNIA

C13 JPB/eb
12 April 1945

In reply
refer to:

SUBJECT: Abandonment of Target No. 6.

TO: Commanding General, Army Air Forces, Washington 25, D. C.,
(THRU: Commanding General, Army Air Forces Western Flying
Training Command, 1104 West Eighth Street, Santa Ana, California).

1. In compliance with War Department Circular No. 306, dated 18 July 1944, Bombing Target No. 6, Victorville Army Air Field is reported as no longer necessary for current requirements.

2. The following information is submitted in accordance with Paragraph 12, War Department Circular No. 306, dated 18 July 1944

a. Bomb Target No. 6 is located approximately 24 miles ESE of Victorville Army Air Field on Property located as follows:

$E\frac{1}{2}$ of $SW\frac{1}{4}$ and $SE\frac{1}{4}$ of Section 22, $W\frac{1}{2}$ of $SW\frac{1}{4}$ of Section 23, $W\frac{1}{2}$ of $NW\frac{1}{4}$ of Section 26, $NE\frac{1}{4}$ and $E\frac{1}{2}$ of $NW\frac{1}{4}$ of Section 27, all lying in T6N, R1W, San Bernardino Base and Meridian, San Bernardino Co., California. This property comprises 240 acres acquired in fee by the Government, 320 acres of Public Domain that was transferred to the War Department by Public Land Order No. 125, dated 20 May 1943, and 80 acres held under Lease W-04-193-eng-5550.

b. The property is desert land and the improvements consist of a three strand barbed wire fence and target outlines marked on the ground with black road-mix. Since the target outlines require periodical maintenance, it is believed that the site can be abandoned without undue loss.

c. Site has been used for bombing target, but is no longer required, due to a change in training program.

d. Surplus status is recommended.

e. Property could be used by Federal Agencies.

f. Is available for surplus status as of 18 January 1945.

g. The 560 acres of Government land in this property naturally have no commitments. The 80 acres of leased land have no contractual commitments affecting disposition.

Basic: Ltr, VAAF, sub- ~~Basic Region, dtg, Signal Office~~ April 1945

- h. There are no auxilliary facilities.
- i. There are no commitments to other Army or Federal Agencies.

For the Commanding Officer:

/s/ Robert C. Davidson
 ROBERT C. DAVIDSON
 Captain, Air Corps
 Adjutant

684

(12 Apr 45)

1st Ind.

AGC 9H-LG-AW

HQ AAFWFTC, 1104 W 8, Santa Ana, Calif. 8 May 45.

TO: COMMANDING GENERAL, AAF Training Command, Texas and Pacific Railway Building, Fort Worth 2, Texas.

1. This headquarters concurs in the declaration of surplus of bomb target Site No. 6 of Victorville AAF.

2. Site No. 6 is located at Lat. 34° 30', Long. 116° 58'.

For the Commanding General:

/s/ Fred D. Hall
 FRED D. HALL,
 Maj AC,
 Actg Asst Adjutant General.

Ltr Hq Victorville AAFld, Califor, 12 Apr 45, subj "Abandonment of Target No 6"

684

2d Ind

HL

Headquarters, AAF Training Command, Fort Worth 2, Texas

19 May 1945

TO: Commanding General, Army Air Forces, Washington 25, D. C.,
 ATTENTION: Assistant Chief of Air Staff, Materiel and Services, Air Installations Division

In compliance with the provisions of Circular 89, War Department, 1945, Bombing Target No. 6, Victorville Army Air Field, California is reported surplus to the needs of this Command effective 20 April 1945.

FOR THE COMMANDING GENERAL:

Copies furnished:
 CG, AAF, AFACT
 CG, AAFWFTC

/s/ Robert C. Rice
 ROBERT C. RICE
 Colonel, AGD
 Asst. Adj. Gen.



~~RESTRICTED~~
HEADQUARTERS
SAN BERNARDINO AIR TECHNICAL SERVICE COMMAND

SBCON2A/CEB/rv

IN REPLY REFER TO:

SAN BERNARDINO ARMY AIR FIELD, CALIFORNIA.

SBATSC 601.53

DEC 7 1945

SUBJECT: Declaration as Excess, Auxiliary Installations of Victorville
Army Air Field, Victorville, California

TO: Commanding General
Air Technical Service Command
Wright Field, Dayton, Ohio
ATTN: Air Installations Division, TSCON

1. In accordance with War Department Circulars No. 89, dated 20 March 1945, and No. 326, dated 25 October 1945, the auxiliary installations of Victorville Army Air Field, Victorville, California, consisting of a. Auxiliary Landing Fields, b. Bombing Targets, c. Demolition Targets, d. Mirage Lake Glider School, all as described below, are no longer required and are declared excess to the needs of this Command. It is requested that appropriate action be taken to dispose of the Government-owned facilities, to cancel all pertinent leases and transfers and to restore the original premises to the respective lessors or to the Public Domain.

a. Auxiliary Landing Fields: (Regional Map VAAF File No. 256, revised 8 March 1945, inclosure No. 1).

- (1) Field No. 1, located approximately 2 1/2 miles North of VAAF in T 10 N, R 5 W, SB B&M, comprising 640 acres Public Domain; Government-owned facilities include 4 field mix surfaced runways, 3 buildings and 4 miles of 4-strand barbed wire fence.
- (2) Field No. 2, located 15 miles North of VAAF in T 9 N, R 4 W, SB B&M, comprising 640 acres in fee; Government-owned facilities include 4 field mix surfaced runways, 3 buildings, skeet range, and 4 miles of 4-strand barbed wire fence.
- (3) Field No. 3, located 11 miles West of VAAF in T 6 N, R 7 W, SB B&M, comprising 640 acres in fee; Government-owned facilities include 4 field mix surfaced runways, 3 buildings and 4 miles of 4-strand barbed wire fence.

Classification cancelled by authority Acty. Asst. Chief of Staff,
G-6 WDCB, Memorandum WDCT 331 (3 Jan 44) dated 3 January 1945

~~RESTRICTED~~

Grayson Healey
GRAYSON, HEALEY, Lt. Col. GSC
Legislative & Liaison Division, WDCB

24 Jan 1945

RE 4754
11/15/51

~~RESTRICTED~~

Basic: Ltr fr SBATSC to CG, ATSC, 60L.53, Subj: "Declaration as Excess, Auxiliary Installations of Victorville Army Air Field, Victorville, California". (Cont'd)

- (4) Field No. 4, located 16 miles West of VAAF in T 6 N, R 8 W, SB B&M, comprising 640 acres leased land, (Lease No. W 868-Eng-2070, State of California, Lessor); Government-owned facilities, 4 field mix surfaced runways, 4 miles of 4-strand barbed wire fence and 2 small buildings installed by Marine Corps.

b. Bombing Targets: (Regional Map VAAF File No. 256, revised 8 March 1945, inclosure No. 1).

- (1) Target No. 1, located 8 miles East of VAAF in T 6 N, R 3 W, SB B&M, comprising 160 acres, Lease No. W 04-193-Eng-2623 (expired), Lessor, Carrie Kyles.
- (2) Target No. 2, located 12 miles East of VAAF, T 5 N, R 3 W, SB B&M, comprising 640 acres, 440 acres in fee and 200 acres Public Domain; Government-owned facilities include field mix surfacing, portable power shed, target frame and 1 mile of 2-strand barbed wire fence.
- (3) Target No. 3, located 16 miles East of VAAF in T 6 N, R 2 W, SB B&M, comprising 640 acres, 560 acres in fee and 80 acres Public Domain; Government-owned facilities are the same as Target No. 2.
- (4) Target No. 4, located 16 miles East of VAAF in T 4 N, R 2 W, SB B&M, comprising 640 acres in fee; Government-owned facilities are the same as Target No. 2.
- (5) Target No. 5, located 21 miles East of VAAF in T 6 N, R 1 W, SB B&M, comprising 691.96 acres Public Domain; Government-owned facilities are the same as Target No. 2.

- (6) Target No. 6, located 16 miles East of VAAF in T 5 N, R 1 W, SB B&M, comprising 640 acres, 240 acres in fee, 320 acres Public Domain, 80 acres surplus, Lease No. W 04-193-Eng-5550, Lessor, William Bruce Young.

- (7) Target No. 7, located 23 miles East of VAAF in T 5 N, R 1 E, SB B&M, comprising 640 acres, 400 acres in fee, 240 acres Public Domain; Government-owned facilities are the same as Target No. 2.

Classification cancelled by authority Acty. Asst. Chief of Staff,
G-3 WDGB, Memorandum WDGBT 331 (3 Jan 74) dated 3 January 1974

~~RESTRICTED~~

GRAYSON HEADLEY, Lt. Col., GSC
Legislative & Liaison Division, WDGB

F24 4754

24 Jan 1946

~~RESTRICTED~~

Basic: Ltr fr SBATSC to CG, ATSC, 601.53, Subj: "Declaration as Excess, Auxiliary Installations of Victorville Army Air Field, Victorville, California". (Cont'd)

- (8) Target No. 8, located 29 miles Southeast of VAAF in T 4 N, R 1 E, SB B&M, comprising 640 acres Public Domain; Government-owned facilities include 3 circular areas surfaced with field mix.
- (9) Target No. 9, located 34 miles East of VAAF in T 5 & 6 N, R 2 E, SB B&M, comprising 657.28 acres Public Domain.
- (10) Target No. 10, located 38 miles Southeast of VAAF in T 4 N, R 2 & 3 E, SB B&M, comprising 649.54 acres Public Domain; Government-owned facilities are the same as Target No. 2.
- (11) Target No. 11, located 42 miles East of VAAF in T 6 N, R 3 E, SB B&M, comprising 640 acres, 320 acres Public Domain and 320 acres leased--Lease No. W 04-193-Eng-5327, Lessor, State of California; Government-owned facilities are the same as Target No. 2.
- (12) Target No. 12, located 45 miles East of VAAF in T 4 & 5 N, R 4 E, SB B&M, comprising 617.12 acres Public Domain; Government-owned facilities are the same as Target No. 2.
- (13) Target No. 13, located 45 miles Southeast of VAAF in T 3 N, R 4 E, SB B&M, comprising 636.30 acres Public Domain; Government-owned facilities are the same as Target No. 2.
- (14) Target No. 14, located 49 miles East of VAAF in T 6 N, R 5 E, SB B&M, comprising 640.46 acres Public Domain; Government-owned facilities are the same as Target No. 2.
- (15) Target No. 15, located 51 miles Southeast of VAAF in T 4 N, R 5 E, SB B&M, comprising 640 acres Public Domain (surplus).
- (16) Target No. 16, located 50 miles East-Southeast of VAAF in T 4 & 5 N, R 5 E, SB B&M, comprising 640 acres Public Domain; Government-owned facilities same as Target No. 2.

Classification cancelled by authority Actg. Asst. Chief of Staff
CG WDGS, Memorandum WDACT 331 (3 Jan 44) dated 3 January 1944

~~RESTRICTED~~

Raymond H. Bradley
RAYMOND HADLEY, Lt. Col., GSC
Legislative & Liaison Division, WDGS

~~RESTRICTED~~

Basic: Ltr fr SBATSC to CG, ATSC, 601.53, Subj: "Declaration as Excess, Auxiliary Installations of Victorville Army Air Field, Victorville, California". (Cont'd)

- (17) Target No. 17, located 57 miles Southeast of VAAF in T 4 N, R 6 E, SB B&M, comprising 640 acres Public Domain; Government-owned facilities same as Target No. 2.
- (18) Target No. 18, located 61 miles Southeast of VAAF in T 3 N, R 6 & 7 E, SB B&M, comprising 627.42 acres Public Domain; Government-owned facilities same as Target No. 2.
- (19) Target No. 19, located 55 miles Southeast of VAAF in T 2 N, R 6 E, SB B&M, comprising 640 acres, 320 acres in fee and 320 acres Public Domain; Government-owned facilities include field mix surfaced targets, a frame target and 1 mile of 2-strand barbed wire fence.
- (20) Target No. 20, located 55 miles Southeast of VAAF in T 3 N, R 5 E, SB B&M, comprising 640 acres Public Domain; Government-owned facilities same as Target No. 2.
- (21) Target N-1, located 28 miles North of VAAF in T 10 N, R 2 W, SB B&M, comprising 644.75 acres Public Domain; Government-owned facilities are the same as Target No. 2.
- (22) Target N-2, located 33 miles North of VAAF in T 11 N, R 3 W, SB B&M, comprising 640 acres Public Domain; Government-owned facilities are the same as Target No. 2.
- (23) Target N-3, located 26 miles North of VAAF in T 10 N, R 3 W, SB B&M, comprising 640 acres Public Domain; Government-owned facilities are the same as Target No. 2.

c. Demolition Targets: (Regional Map VAAF File No. 256, revised 8 March 1945, inclosure No. 1).

- (1) Target "Y", located 50 miles Southeast of VAAF in T 4 N, R 4 E and R 5 E, SB B&M, comprising 2240 acres Public Domain.

Classification cancelled by authority Acty. Asst. Chief of Staff,
G-9 WAGS, memorandum WDA 331 (3 Jan 44) dated 3 January 1944

~~RESTRICTED~~

THOMSON BRIDLEY, Lt. Col. CGS
Inspector & Liaison Division, WDCB

24 Jan 1944

F-4

RE 4754

~~RESTRICTED~~

Basic: Ltr fr SBATSC to CG, ATSC, 601.53, Subj: "Declaration as Excess, Auxiliary Installations of Victorville Army Air Field, Victorville, California". (Cont'd)

- (2) Target "Y" (1), located 45 miles Southeast of VAAF in T 4 N, R 4 E, SB B&M, comprising 1280 acres.
- (3) Target "Z", located 50 miles East of VAAF in T 5 N, R 4 E, SB B&M, comprising 2,762.95 acres Public Domain and 1449.12 acres leased--Lease No. W 04-193-Eng-4536, Lessor, Southern Pacific Land Company.

d. Mirage Lake Glider School, (OCE Drawing No. 147-P, dated 27 September 1945, inclosure No. 2), located 10 to 13 miles West of VAAF in T 6 & 7 N, R 7 W, SB B&M, comprising 1,936.91 acres, 1,292.72 acres Public Domain and 644.19 acres leased. Tract Register with list of leases is shown on drawing. There is no Government construction.

2. The following pertinent information concerning said auxiliary installations of VAAF is submitted.

a. Location: The auxiliary installations are located in San Bernardino County, California, except Landing Field No. 4 which is located in Los Angeles County; all are within a 63 mile radius of VAAF which is located 6 miles Northwest of Victorville, California.

b. Description: All auxiliary facilities are described in the preceding paragraph 1.

c. Use: On inactive status.

d. Recommendations: It is recommended that both the land and facilities be declared surplus and that the appropriate Division Engineer be directed to take over necessary accountability and protection of the above installations if no other governmental agency has use for the property.

e. Degree of Readiness: Not applicable.

f. Use by Other Army or Federal Agencies: It is not known whether any other Army or Federal agencies have use for all or any portion of these auxiliary installations.

g. Date Available: Immediately.

h. Contractual Commitments: None known to this Headquarters except those provided for in the leases.

Classification cancelled by authority Acty. Asst. Chief of Staff,
CG WDGB. Memorandum WDGB 231 (3 Jan 44) dated 2 January 1944.

~~RESTRICTED~~

EMAYSON HEADLEY, Lt. Col., GSC
Legislative & Liaison Division, WDGB

~~RESTRICTED~~

Basic: Ltr fr SBATSC to CG, ATSC, 601.53, Subj: "Declaration as Excess, Auxiliary Installations of Victorville Army Air Field, Victorville, California". (Cont'd)

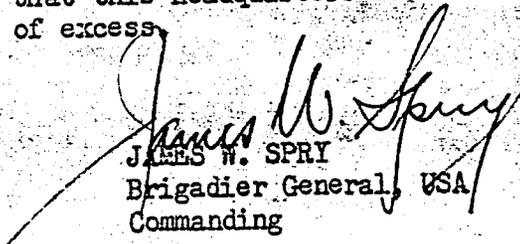
i. Auxiliary Facilities: As described in preceding paragraph 1.

j. Commitments to Other Army or Federal Agencies: Records of the Air Installations Office, SBATSC, disclose no commitments to other Army or Federal agencies.

k. Necessity for Service Detachment: Not applicable.

3. It is requested that this declaration of excess be processed as soon as practicable in order that appropriate directives may be published authorizing the Division Engineer to take over disposal of the property.

4. It is further requested that this Headquarters be advised of action taken on this declaration of excess.

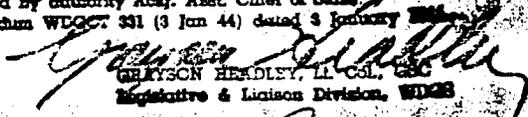

JAMES W. SPRY
Brigadier General, USA
Commanding

2 Incls.

Incl 1 - Regional Map VAAF 256 (in dup).

Incl 2 - OCE Dwg 147-P (in dup).

Classification cancelled by authority Acty. Asst. Chief of Staff,
G.S. WDCR, Memorandum WDCR 331 (3 Jan 44) dated 3 January 1944


RAYMOND HEADLEY, Lt. Col., USA
Legislative & Liaison Division, WDCR

~~RESTRICTED~~

Date 24 Jan 1944

F-4

RE 4754

MEMORANDUM FOR THE FILE
(File No. 2077054)

Victorville Bombing Target No. 6, (W.I.-California 26) was declared surplus on October 2, 1945, by the War Department and forwarded to the Department of the Interior on November 7, 1945.

A. Property Involved and Acquisition Data.

1. The property, comprising 240 acres, is located in San Bernardino County, California, 18 miles east and 3 miles south of Victorville, California which is situated on the A. T. & S. F. Railroad and U. S. Highway 66.

2. The legal description of the property is as follows:

NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, section 27, Township 5 North, Range 1 West, S.B.B. & M; in the County of San Bernardino, State of California.

3. The area is generally poor, open desert range country which was settled a number of years ago through homesteads and purchase of railroad lands with intent of developing the lands for irrigation. This proved unsuccessful in most instances. Before this land was used as a bombing target, it was unoccupied and had no buildings, fences, or domestic water. The entire property is situated in an old flat alkali lake bed and has no possible apparent use for any purpose and is absolutely barren.

It was purchased in 1936 by the former owners as an oil speculation. At the present time there is no oil development and purchasers give no consideration to speculative oil factors in land values. It is reported by the former owners that some few years ago they had offers to lease the property on a royalty basis for rotary mud but this was never done and there appears to be no interest in this at the present time.

4. The property was acquired from Ted A. Butzin and Berto A. Olsen through action in condemnation proceedings No. 2434-0'C Civil filed on December 22, 1942. Judgment by default was taken in said action on November 8, 1944, in which the defendants, Butzin and Olsen, were awarded \$120 as fair and adequate compensation for the said property. On December 16, 1944, the United States District Court issued a check, No. 5668 dated November 20, 1944, payable to Butzin and Olsen in the amount of \$120 which was delivered to a representative of the War Department with instructions to deliver said check to said payees. The check was tendered to the former owners on numerous occasions but each of them refused to accept the check and to execute a receipt in full satisfaction.

On the basis of these facts, it would appear that the title is unencumbered since the condemnation proceedings vested title in the United States so that there would be no difficulty in so far as the Government's title is concerned in disposing of this project.

5. The Government has constructed on the property approximately 4572 feet of 3-strand barb wire fence with 310 steel posts approximately 14 feet apart with one all-metal gate 12 feet wide. The approximate cost of these improvements was \$650.

B. Appraisal.

1. The regional field examiner, by report dated August 27, 1946, appraised the land at \$1.00 per acre or \$240 for the entire project, and the fence at \$111.40 making a total of \$351.40.

C. Present Status.

1. The property was advertised for sale on June 6, 1946 and the priority period expired on September 5, 1946. The project representative reported on September 10, 1946 that no bids had been received. On September 13, 1946, a memorandum was addressed to the project representative authorizing him, in view of the fact that no offers were received, to negotiate the sale of this project as provided for in section 8305.12 (m) of WAA Regulation 5. Nothing further has been heard since that time.

H. J. Sakms

HSS:ep
11-4-46



C O P Y

UNITED STATES
DEPARTMENT OF THE INTERIOR

SF 82040
2077054 S.R.P.

Bureau of Land Management
San Francisco, California

March 28, 1947

Memorandum for the Director,
Bureau of Land Management

Reference is made to report of August 27, 1946, by Field Examiner C. C. Smith, and to memorandum for the Regional Field Examiner from the Director, dated Sept. 13, 1946, concerning the sale of the Victorville Airfield Project Bombing Target VI. This project was advertised for sale in the prescribed manner. No offers were received during the priority period which ended Sept. 5, 1946, nor have any offers been received subsequent to that date. Persons who might have been interested in purchasing this property were contacted in the Los Angeles area and also in the Victorville-Lucerne area, with no success.

As previously reported this property is located in a dry lake bed and was used as a practice bombing target. The area enclosed by fence is covered with bomb fragments and unexploded bombs. Although the explosive charge used in these bombs was small, it is believed that the area might still be dangerous to any persons or livestock that may cross the land. The fence surrounding the target area does provide a measure of protection. Because of the scattered metal fragments and unexploded bombs, the land itself is less desirable than any of the surrounding area, none of which is being used for any purpose.

It is therefore recommended that no further attempts be made to sell this property, and that the fence surrounding the bombing target be allowed to remain on the ground as a precautionary measure.

/s/ G. H. SHARRER
G. H. Sharrer,
Field Examiner



O. L. Faulkner
U. S. Dept. of Agr.
UNITED STATES DEPARTMENT OF AGRICULTURE
FARM CREDIT ADMINISTRATION

██████████
WASHINGTON 25, D. C.

Awc
see me
ap 4/20

IN REPLY REFER TO
W.A.-Calif. 26
FCA 11-41

April 22, 1947



Air Mail

Mr. O. J. Faulkner
District Supervisor
Surplus Property Disposal
Federal Land Bank of Berkeley
Box 525
Berkeley 1, California

Dear Mr. Faulkner:

We enclose for your information and guidance copies of a memorandum dated March 28, 1947, from Mr. G. H. Sharrer, Field Examiner, to the Director, Bureau of Land Management, Department of the Interior, San Francisco, California, and transmittal memorandum received from the Department in Washington, D. C., dated April 21, 1947.

These documents refer to the Bombing Target No. 6 (Victorville Army Airfield), assignment of which was transferred from the jurisdiction of the Department of the Interior to the Farm Credit Administration in Mr. Drumm's letters of March 14, 1947, copies of which were sent to you with other documents in our letter of April 16, 1947.

You will note that this property was used as a practice bombing target. It appears to be contaminated and is considered dangerous to any persons or livestock that may cross the land. A fence surrounds the target area as a measure of protection. Mr. Sharrer recommends that no further attempts be made to sell the property and that the fence surrounding the bombing target be allowed to remain as a precautionary measure. The matter is being referred to the War Assets Administration for its consideration. Pending receipt of their advice concerning the action to be taken, you should withhold efforts to dispose of the property.

Very truly yours,

Floyd E. Prentice
Assistant Director
Surplus Property Disposal



Enclosures

F-7

THE FEDERAL LAND BANK OF BERKELEY

TO: Folder *Project Folder*
FROM: H. W. Carlson
DATE: May 29, 1947

COPIES TO:

H. W. Carlson
5/29-47 Project Folder

MEMORANDUM

Subject: WA Calif. 26
FCA 11-41

On May 20, 1947, I made an inspection of Bombing Target No. 6 some 18 miles southeast of Victorville, California. The entire acreage lies in the bed of a dry lake. There are no improvements, and it is unfenced except for what remains of an eight-sided fence enclosure for the bombing target. Two sides of the enclosure have been removed by unknown persons.

It will be in order to accept accountability if and when we receive notification from the War Department that the area has been decontaminated. From my observation there appear to be a considerable number of unexploded bombs in the target area.

HWCarlson/HF

H. W. Carlson

FILING AUTHORIZATION

DATE

UNITED STATES DEPARTMENT OF AGRICULTURE
FARM CREDIT ADMINISTRATION

DISPOSAL OF SURPLUS AGRICULTURAL AND FOREST PROPERTY

Project Report for Month Ending August 25, 1947

PROJECT NAME LOCATION	Bombing Target No. 6 (Victorville AAF) San Bernardino County, California	DATE ASSIGNED	3/19/47	PROP. CLASS CODE	19	WAA ZONE	6
WAA PROJECT NO.	WA-Calif.-26	FCA PROJECT NO.	11-41	ACCOUNTABILITY DATE		DATE FIRST ADVERTISED - NO. ACRES	
APPRAISAL STATUS		STATUS OF SURVEY					

TOTAL PROJECT

1.	ORIGINAL		ADJUSTMENTS		ADJUSTED TOTALS		8. UNDER LEA
	2. LAND	3. BETTERMENTS	4. LAND	5. BETTERMENTS	6. LAND	7. BETTERMENTS	
ACRES	240	X X		X X		X X	
TRACTS	1	X X		X X		X X	
COST	120.00	1,200.00					

DISPOSAL DATA

Fill out information below on first report after end of priority period and on all subsequent reports.

9. PRIORITY GROUP	10. OFFERS TO DATE	OFFERS ACCEPTED						17. DEED ISSUE TO DATE
		11. TYPE OF DISPOSAL	12. TRACTS	13. ACRES	14. REPORTED COST	15. APPRAISED VALUE	16. AMOUNT OF RETURN	
GOVERNMENT AGENCIES								
STATE AND LOCAL GOVERNMENTS								
FORMER OWNERS								
FORMER TENANTS								
VETERANS								
OWNER-OPERATORS								
NONPROFIT INSTITUTION								
NON-PRIORITY DISPOSALS								
BETTERMENTS			X X	X X X				X X
TOTAL TO DATE		X X						

DATE FINAL OFFER ACCEPTED	DATE FINAL DEED DELIVERED
---------------------------	---------------------------

REMARKS:

Area contaminated

Copy

602 Victorville Precision Bombing Ranges
2, 6, and 17, California, ENGLT

9 February 1949

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

Dear Sir:

Reference is made to Public Land Order No. 125, dated 27 May 1943, authorizing the use by this Department of certain public land in the State of California for bombing targets for use in connection with Victorville Airfield, California.

Bombing targets 2, 6 and 17 covered by Public Land Order No. 125, are no longer required by this Department, and it is recommended that action be taken to cancel Public Land Order No. 125 insofar as applicable thereto. The lands used for the bombing targets are more particularly described as follows:

Target No. 2 - SW $\frac{1}{4}$ and NW $\frac{1}{4}$ of NE $\frac{1}{4}$ of Section 12, Township 5 No., Range 3W, containing 200 acres of land.

Target No. 6 - E $\frac{1}{2}$ of the SW $\frac{1}{4}$ and the SE $\frac{1}{4}$ of Section 22, W $\frac{1}{2}$ of the NW $\frac{1}{4}$ of Section 26, Township 5 No., Range 1W, containing 320 acres of land.

Target No. 17 - Section 29, Township 4 No., Range 6E, containing 640 acres of land.

All of the aforementioned bombing targets have been dedudded and have been certified to be free and clear of explosives or explosive objects reasonably possible to detect by visual inspection.

Government improvements placed on the property consisted of concentric rings of light oil penetration, frame butts and appurtenances, fences and gates. All removable improvements have been removed.

ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
VICTORVILLE PBR #6
VICTORVILLE, CA
PROJECT #J09CA069101

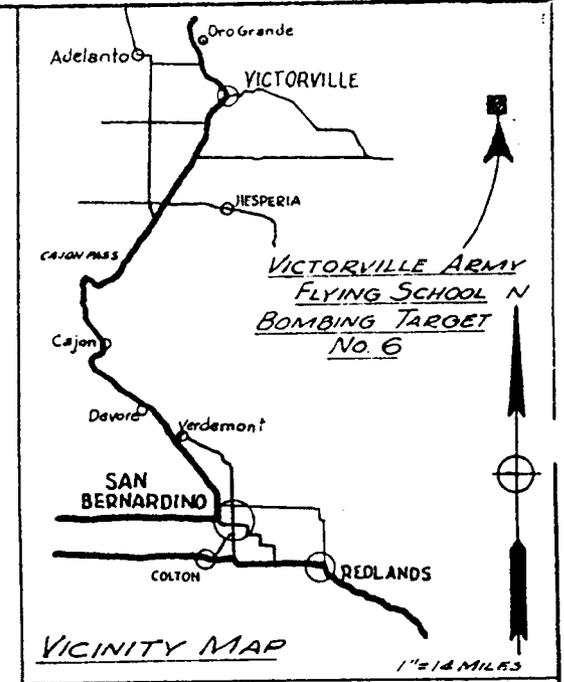
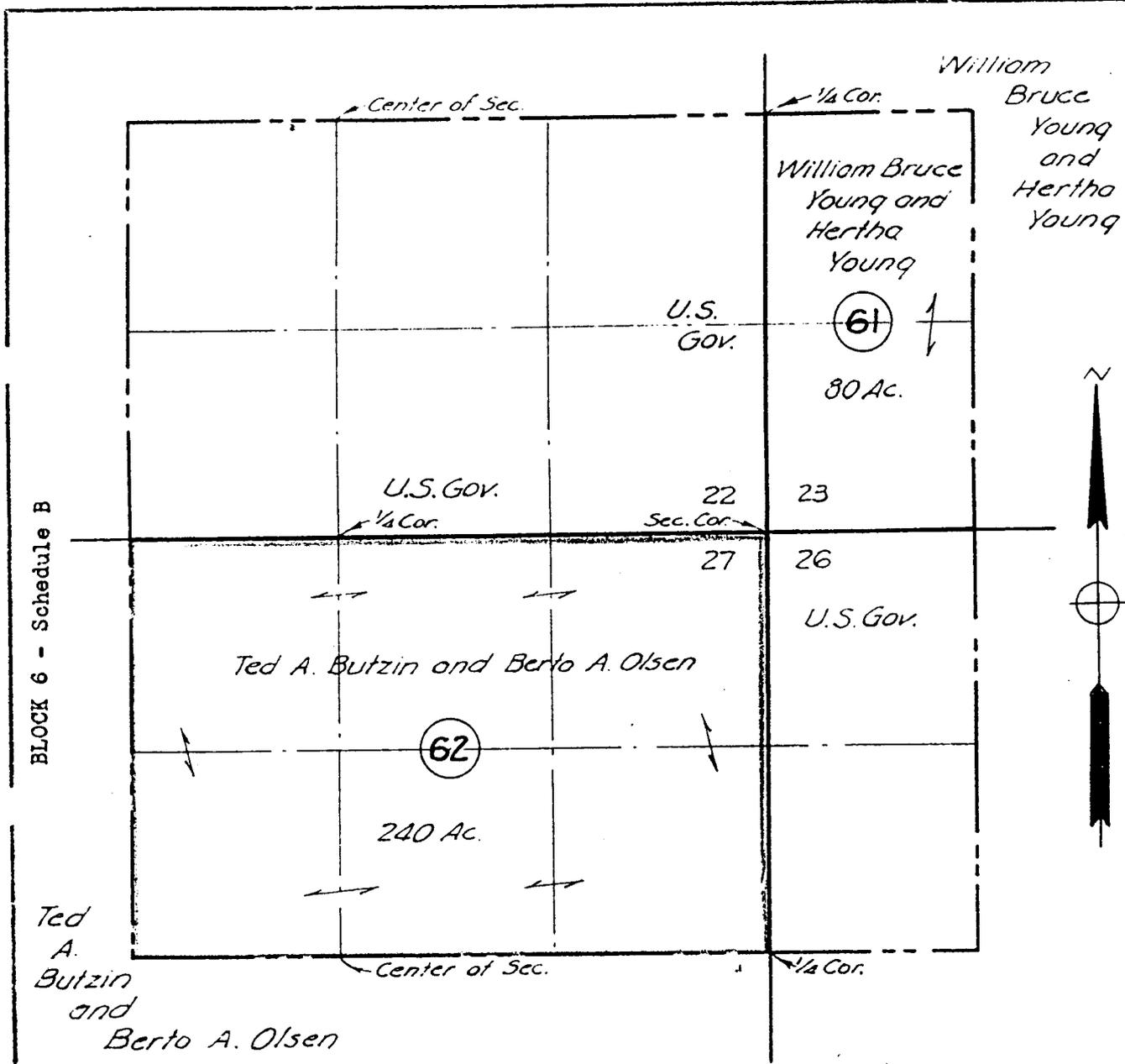
APPENDIX G

REAL ESTATE DOCUMENTS

APPENDIX G
REAL ESTATE DOCUMENTS

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- G-1. December 1942 map showing ownership of PBR #6 (B-33).
- G-2. August 1948 quitclaim deed (B-33).
- G-3. December 1952 final real estate map (B-57).



VICTORVILLE ARMY FLYING SCHOOL BOMBING TARGET NO. 6 BASE PROJECT MAP

SCALE OF FEET: 0 1000 2000

DATE: DEC. 1, 1942

REAL ESTATE DIVISION OF DIVISION ENGINEER

SAN BERNARDINO SCALE: 1" = 1000'

DRAWN BY: THACED BY: CHECKED BY: APPROVED BY: FILE NO.

J.M. Woods J.M. Woods

BLOCK 6 - Schedule B

Ted A. Butzin and Berto A. Olsen

T. 5 N., R. 1 W., S. B. B. & M.

G-1

QUITCLAIM DEED

THIS INDENTURE made this 12th day of August, 1948, between the UNITED STATES OF AMERICA, acting by and through the Federal Farm Mortgage Corporation, under and pursuant to Executive Order 9689, dated January 31, 1946 (11 F. R. 1265); the powers and authority contained in the provisions of the Surplus Property Act of 1944 (58 Stat. 765); Regulation No. 1 of the Surplus Property Board (10 F. R. 3764); Regulation No. 1 of the War Assets Administration, as amended; Order of the Secretary of Agriculture dated April 26, 1945 (10 F. R. 4647); and Order of the Governor of the Farm Credit Administration dated April 28,

1945 (10 F. R. 4694); party of the first part, and - - DR. TED A. BUTZIN and NORA C. BUTZIN and
DR. BERTO A. OLSON and EVA M. OLSON - -

of Los Angeles County of Los Angeles, and State of California
party of the second part,

WITNESSETH: That the said party of the first part, for and in consideration of the sum of One Hundred Twenty - - - -
and no/100 Dollars (\$120.00),

of the United States of America, to it in hand paid by the said party of the second part, the receipt of which is hereby acknowledged, has remised, released and forever quitclaimed, and by these presents does remise, release and forever quitclaim, subject to the exception and reserva-

tion of fissionable materials and rights hereinafter set out, unto the said party of the second part, their heirs and assigns, all that certain

piece or parcel of land situate, lying and being in the County of San Bernardino, State of California, and more particularly described as follows, to-wit:

The northeast quarter and the east half of the northwest quarter of Section 27, Township 5 North, Range 1 West, San Bernardino Base and Meridian, according to Government survey.

Subject to easements and rights of way now existing or reserved.

Subject also to the following:

The property hereinbefore described was declared surplus to the needs of the United States of America pursuant to the provisions of the Surplus Property Act of 1944 (58 Stat. 765) as amended, and War Assets Administration Regulation No. 1 as amended (11 Fed. Reg. 408); that said property was a part of Bombing Target No. 6 of Victorville Army Airfield, a military installation, used in part as a training and maneuvering area for combat troops, portions of which area were subjected to contamination by the introduction of unexploded and dangerous bombs, shells, rockets, mines, and other charges, either below or upon the surface thereof; that the party of the first part, by and through the Corps of Engineers, War Department, has caused the property to be inspected and has decontaminated the same to the extent deemed reasonably necessary in the opinion of the party of the first part, and consistent with economic limitations, and has made certain recommendations pertaining to the use to which the land may be devoted; that the said recommendations are contained in a certificate, copy of which is attached and made a part hereof; that the party of the first part by attaching such certificate does not intend to make, nor shall it be construed to have made, any representations or warranties pertaining to the condition of the land; and that the party of the second part have evinced their desire to purchase such property with full knowledge of, and notwithstanding the foregoing recitals which are incorporated for the purpose of disclosing to the party of the second part the former use made of the property hereinbefore described.

Excepting and reserving to the United States of America, in accordance with Executive Order No. 9908, approved on December 5, 1947 (12 F. R. 8223), all uranium, thorium, and all other materials determined pursuant to section 5 (b) (1) of the Atomic Energy Act of 1946 (60 Stat. 761) to be peculiarly essential to the production of fissionable material, contained, in whatever concentration, in deposits in the lands covered by this instrument are hereby reserved for the use of the United States, together with the right of the United States through its authorized agents or representatives at any time to enter upon the land and prospect for, mine, and remove the same, making just compensation for any damage or injury occasioned thereby. However, such land may be used, and any rights otherwise acquired by this disposition may be exercised, as if no reservation of such materials had been made; except that, when such use results in the extraction of any such material from the land in quantities which may not be transferred or delivered without a license under the Atomic Energy Act of 1946, as it now exists or may hereafter be amended, such material shall be the property of the United States Atomic Energy Commission, and the Commission may require delivery of such material to it by any possessor thereof after such material has been separated as such from the ores in which it was contained. If the Commission requires the delivery of such material to it, it shall pay to the person mining or extracting the same, or to such other person as the Commission determines to be entitled thereto, such sums, including profits, as the Commission deems fair and reasonable for the discovery, mining, development, production, extraction, and other services performed with respect to such material prior to such delivery, but such payment shall not include any amount on account of the value of such material before removal from its place of deposit in nature. If the Commission does not require delivery of such material to it, the reservation hereby made shall be of no further force or effect.

Together with all and singular the tenements, hereditaments, and appurtenances thereunto belonging, or in any wise appertaining and the reversion and reversions, remainder and remainders, rents, issues, and profits thereof; and also all the estate, right, title, interest, property, possession, claim and demand whatsoever, as well in law as in equity, of the said party of the first part, of, in, or to the foregoing described premises, and every part and parcel thereof, with the appurtenances, excepting the fissionable materials and rights excepted and reserved above.

Said land was duly declared surplus and was assigned to the Federal Farm Mortgage Corporation as disposal agency, pursuant to the provisions of the above-mentioned Act, Regulation and Orders.

TO HAVE AND TO HOLD all and singular the said premises, together with the appurtenances, unto the said party of the second part, and to _____ heirs and assigns, forever, excepting the fissionable materials and rights excepted and reserved above.

IN WITNESS WHEREOF, the party of the first part has caused these presents to be executed in its name by the Federal Farm Mortgage Corporation, and the seal of said Corporation to be hereunto affixed this 12th day of August, 1948

(Corporate Seal)

UNITED STATES OF AMERICA

By Federal Farm Mortgage Corporation

By C. S. Andrews
Vice President

Attest: [Signature]
Assistant Secretary

STATE OF CALIFORNIA }
COUNTY OF ALAMEDA } ss

I, G. WAGNER, a Notary Public in and for said State and County aforesaid, do certify that on this 12th day of August, 1948, before me appeared

C. S. ANDREWS, to me personally known, and known to me to be Vice President of the Federal Farm Mortgage Corporation, who being by me duly sworn did say that he is such officer; that the seal affixed to the foregoing deed is the corporate seal of said Corporation and was affixed by order of the Board of Directors of said Corporation and that he signed his name to the instrument by like order; that said deed was signed and sealed by him for said Corporation on behalf of the United States of America; and that said Vice President acknowledged the execution of said deed to be his free act and deed as such officer, the free act and deed of the United States of America by the Federal Farm Mortgage Corporation, and the free act and deed of the Federal Farm Mortgage Corporation acting for the United States of America.

IN WITNESS WHEREOF, I hereunto set my hand and seal at Berkeley, in the County and State aforesaid, on the date last above written.

My commission expires April 22, 1950

[Signature]
Notary Public.

QUIT CLAIM DEED
UNITED STATES OF AMERICA
TO

ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
VICTORVILLE PBR #6
VICTORVILLE, CA
PROJECT #J09CA069101

APPENDIX H

NEWSPAPERS/JOURNALS
NOT USED

ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
VICTORVILLE PBR #6
VICTORVILLE, CA
PROJECT #J09CA069101

APPENDIX I

INTERVIEWS

APPENDIX I

INTERVIEWS

Table of Contents

- I-1. FONECON with Mr. Glenn Brooks.
- I-2. FONECON with Mr. Owen Cooper.
- I-3. Interview with Deputies Bill Myers and Bob Hall.
- I-4. Interview with TSgt Glinka and MSgt Hepner.
- I-5. Interview with CPT Grimes.
- I-6. Interview with Jerry Bronson.

CONVERSATION RECORD	TIME 11:00 AM	DATE 2 March 1998
----------------------------	-------------------------	-----------------------------

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

NAME OF PERSON CONTACTED Glenn Brooks	ORGANIZATION Former Airman	TELEPHONE NO. (405) 732-8877
---	--------------------------------------	--

SUBJECT Victorville PBRs

SUMMARY:

Mr. Brooks said that he was part of the initial enlisted cadre and arrived at Victorville AAF in September of 1941. He was in the aircraft maintenance branch and remembered working on the Beechcraft AT-7 and AT-11 as well as the Lockheed P-38. He said the P-38s arrived straight from the plant in early 1942. The P-38 pilots carried both .50 caliber and 20mm machine guns, but these were fired only at the Muroc Dry Lake range near what is now Edwards AFB.

He knew specifically of 4 Victorville AAF bombing ranges that were in dry lakes. He said there were large circles around the target center to assist the bombardier cadets. Mr. Brooks said the AT-11s were used for this training, and all they ever dropped were 100 lb sand filled bombs with a small smoke charge. As a maintenance man, he used to go up on some of the training missions. He was certain there were never any HE bombs or any kinds of rockets used when he was there. He added that the 100 lb practice bombs were stored out in the open, and that small arms and spotting charges were the only items stored in one small igloo on the AAF.

Mr. Brooks left Victorville AAF as a 2LT in April of 1943 and went on to spend an additional 30 years in the Air Force.

ACTION REQUIRED
None

NAME OF PERSON DOCUMENTING CONVERSATION Ronald Plante	ORGANIZATION CEMVR-ED-DO	TELEPHONE NUMBER (309) 782-1481
SIGNATURE <i>Ronald Plante</i>	TITLE QASAS	DATE 2 March 1998

CONVERSATION RECORD	TIME 1:00 PM	DATE 4 March 1998
----------------------------	------------------------	-----------------------------

TYPE

VISIT CONFERENCE

TELEPHONE
 INCOMING
 OUTGOING

NAME OF PERSON CONTACTED Owen Cooper	ORGANIZATION Former Bombardier Cadet	TELEPHONE NO. (410) 747-5991
--	---	--

SUBJECT Victorville PBRs

SUMMARY:

Mr. Cooper said that he joined the Army Air Forces as an aviation cadet but washed out of flight school and then trained as a bombardier. He was in class 43-3 at Victorville Army Air Field, graduating in March of 1943. He trained in the AT-11 and flew practice bombing missions to ranges all around the Victorville area, including some on the dry lake bed of Lake Lucerne (PBR #6). Mr. Cooper said all he ever dropped were 100 pound sand filled bombs with a spotting charge. He never saw an HE bomb at Victorville and was unaware of any other cadets dropping HE bombs. He recalled that the standard procedure was to drop one practice bomb on a target, and then follow specific compass headings to other targets to drop additional practice bombs one at a time.

After completing bombardier training, Mr. Cooper joined a B-17 crew for further training in Utah and eventually flew missions over Germany as a lead bombardier with the 91st Bomb Group.

ACTION REQUIRED
None

NAME OF PERSON DOCUMENTING CONVERSATION Ronald Plante	ORGANIZATION CEMVR-ED-DO	TELEPHONE NUMBER (309) 782-1481
SIGNATURE <i>Ronald Plante</i>	TITLE QASAS	DATE 4 March 1998

CONVERSATION RECORD	TIME 0930 PST	DATE 22 January 1998
----------------------------	-------------------------	--------------------------------

TYPE

VISIT CONFERENCE

TELEPHONE
 INCOMING
 OUTGOING

NAME OF PERSON CONTACT WITH Bill Myers Bob Hall	ORGANIZATION San Bernardino Sheriff's Department	TELEPHONE NO. (909) 387-3598
--	--	--

SUBJECT Victorville Precision Bombing Ranges

SUMMARY Messrs. Hall and Myers are special detectives assigned to the San Bernardino Sheriff's Bomb Squad. Members of the assessment team met with the detectives at the Sheriff's Department. The detectives were shown a map of the Victorville bomb targets and were asked if they had any knowledge of ordnance being discovered at these sites.

They explained that they receive over 200 calls per year regarding military munitions due to the large military presence in San Bernardino County. Most of the munitions recovered have been moved a number of times before they are notified, so there is no way of determining the original location of the ordnance.

Mr. Myers stated that a 5-inch rocket had been recovered in the vicinity of bomb target 6, 7 or 8. He was unable to identify which target contained the rocket, but he recalled seeing a number of fins sticking out of the ground.

He stated that a 100-lb. practice bomb was recovered from target 14 about seven years ago.

Mr. Myers stated that he had hunted in the area surrounding target N-3, but he did not notice any ordnance in that area.

ACTION REQUIRED

ACTION TAKEN

NAME OF PERSON DOCUMENTING CONVERSATION George Ofslager	ORGANIZATION CEMVR-ED-DO	TELEPHONE NUMBER (309) 794-6024
SIGNATURE 	TITLE QA Spec (Ammo)	DATE 22 January 1998

CONVERSATION RECORD	TIME 0930	DATE Wed 28 Jan 1998
----------------------------	---------------------	--------------------------------

TYPE

VISIT CONFERENCE

TELEPHONE
INCOMING
OUTGOING

NAME OF PERSON CONTACT WITH CPT Grimes, 1SG Fortney SFC Woods	ORGANIZATION 759 th EOD Ft. Irwin, CA	TELEPHONE NO. (760)380-4092
---	--	--------------------------------

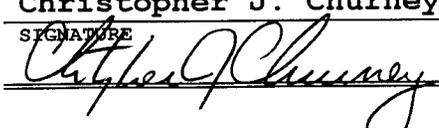
SUBJECT
Victorville Precision Bomb Targets

SUMMARY

CPT Grimes, 1SG Fortney and SFC Woods were questioned by the SI team whether they had any specific knowledge of OE presence at any of the Victorville PBRs. Neither of the 3 could recall the 759th responding to any OE incidents in the Victorville area. They had no knowledge any OE being discovered on any of the PBRs. SFC Woods referred the SI team to B.J. Allen, a former EOD in the COE San Diego Area Office, and the EODs at Edwards AFB.

ACTION REQUIRED

ACTION TAKEN

NAME OF PERSON DOCUMENTING COVERSATION Christopher J. Churney	ORGANIZATION CEMVR-ED-DO	TELEPHONE NUMBER (309)794-6011
SIGNATURE 	TITLE Chem Engineer	DATE 28 Jan 1998

CONVERSATION RECORD	TIME 8:00	DATE 23 Jan 98
----------------------------	---------------------	--------------------------

TYPE

VISIT

CONFERENCE

<input type="checkbox"/>	TELEPHONE
<input type="checkbox"/>	INCOMING
<input type="checkbox"/>	OUTGOING

NAME OF PERSON CONTACT WITH
Jerry Bronson

ORGANIZATION
BLM, Barstow Field
Office

TELEPHONE NO.
(760) 252-6075

SUBJECT Former Victorville Bombing Ranges.

SUMMARY

Mr. Bronson is the North Zone Supervisor for the Law Enforcement Rangers for the BLM, Barstow Field Office.

During discussion with Mr. Bronson, he made comments about finding ordnance items in the area close to Victorville target N-3. He also commented that the rangers have found ordnance items in the past (didn't remember exact locations) but, he commented that they never touched any of the items, they would always call the EOD unit at Fort Irwin to remove the items.

ACTION REQUIRED
NONE

ACTION TAKEN
NONE

NAME OF PERSON DOCUMENTING COVERSATION Jodi L. Bausman	ORGANIZATION CEMVR-ED-DO	TELEPHONE NUMBER (309) 794-6157
SIGNATURE <i>Jodi L. Bausman</i>	TITLE ENG. Tech.	DATE 23 Jan 98

ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
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VICTORVILLE, CA
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APPENDIX J

PRESENT SITE PHOTOGRAPHS

APPENDIX J

PRESENT SITE PHOTOGRAPHS

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- J-1. Area A: Northeast of target.
- J-2. Area A: Northwest of target.
- J-3. Area A: Piece of practice bomb northeast of target.
- J-4. Area A: Pieces of practice bomb east of target.
- J-5. Area A: Remnants of asphalt target rings.
- J-6. Area A: Target center.
- J-7. Area A: Pieces of practice bombs near target center.
- J-8. Area A: .50 caliber slugs and cartridge near target center.
- J-9. Area A: Piece of practice bomb near target center.
- J-10. Area A: Pieces of practice bombs south of target.
- J-11. Area B: Northwest of target.
- J-12. Area B: East of target.
- J-13. Area C: Pieces of practice bombs southwest of target.
- J-14. Area C: Piece of practice bomb west of target.
- J-15. Area C: Northwest of target.
- J-16. Area D: Northeast of target.
- J-17. Area D: North of target.
- J-18. Area D: West of target.
- J-19. Area D: Southwest of target.
- J-20. Area D: South of target.



J-17. Area D: Northwest of target.



J-18. Area D: West of target.



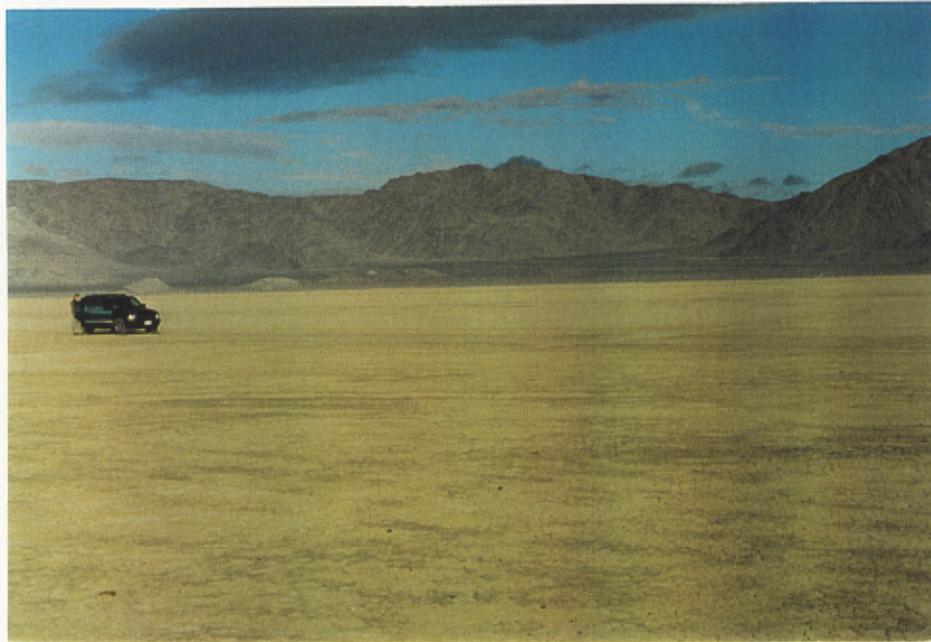
J-19. Area D. Southwest of target.



J-20. Area D: South of target.



J-1. Area A: Northeast of target.



J-2. Area A: Northwest of target.



J-3. Area A: Pieces of practice bomb northeast of target.



J-4. Area A: Pieces of practice bomb east of target.



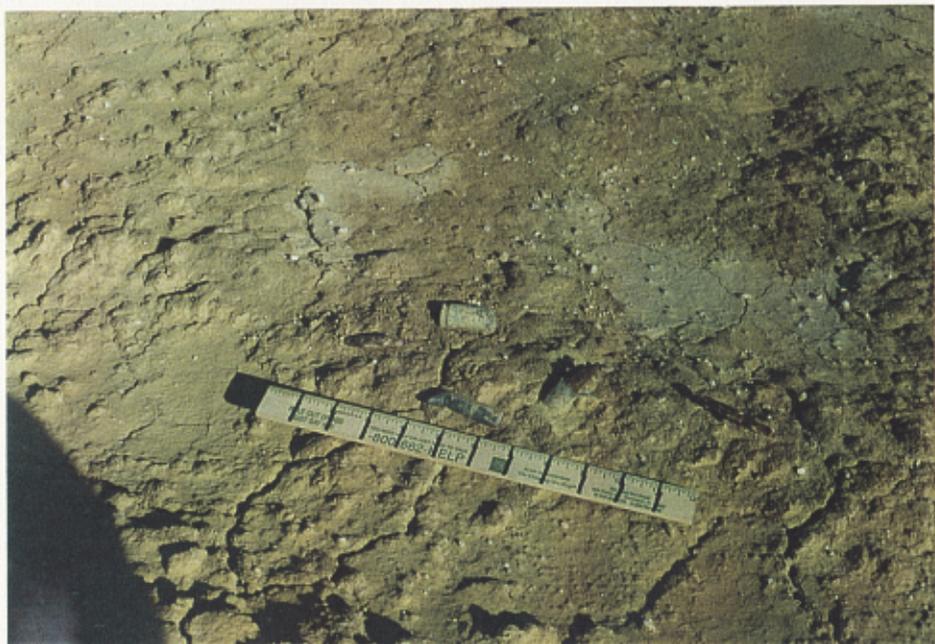
J-5. Area A: Remnants of asphalt target rings.



J-6. Area A: Target center.



J-7. Area A: Pieces of practice bombs near target center.



J-8. Area A: .50 caliber slugs and cartridge case near target center.



J-9. Area A: Piece of practice bomb near target center.



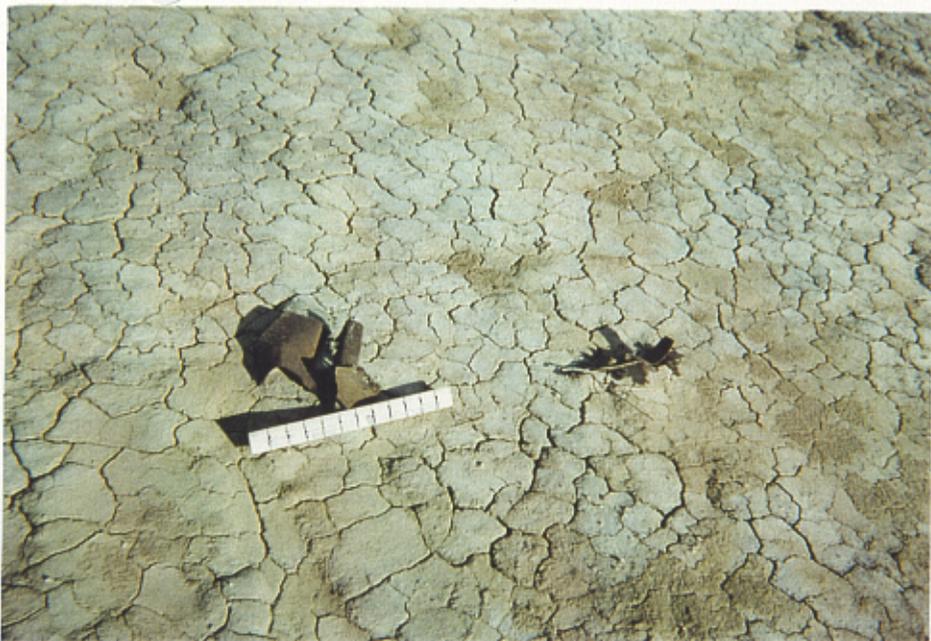
J-10. Area A: Pieces of practice bombs south of target.



J-11. Area B: Northwest of target.



J-12. Area B: East of target.



J-13. Area C: Pieces of practice bombs southwest of target.



J-14. Area C: Piece of practice bomb west of target.



J-15. Area C. Northwest of target.



J-16. Area D: Northeast of target.

ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
VICTORVILLE PBR #6
VICTORVILLE, CA
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APPENDIX K

HISTORICAL PHOTOGRAPHS

Appendix K

Historical Photographs

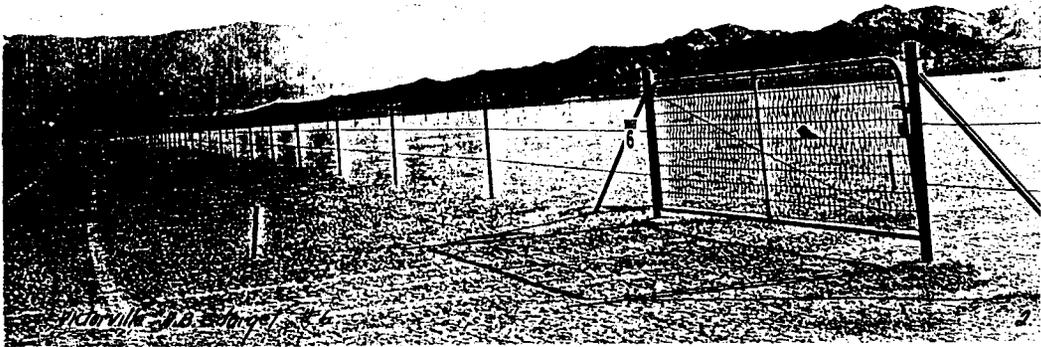
Table of Contents

- K-1. Circa 1944 photo of AT-11 dropping M38A2 practice bombs, location unknown (B-98).
- K-2. Circa 1942 photos of PBR #6 showing fence/gate and asphalt target circles (B-32).
- K-3. 1989 aerial of Lake Lucerne with target circle still visible (B-8).



CIRCA 1944 PHOTO OF AT-11 DROPPING M38A2
PRACTICE BOMBS AT UNKNOWN LOCATION

BLOCK 6 - SCHEDULE C



Three-strand barb wire fence with steel posts and all metal gate.

CIRCA 1942 PHOTO OF PBR #6

BLOCK 6 - SCHEDULE D



Thin coat of asphalt paving approximately five feet wide and one inch thick.

CIRCA 1942 PHOTO OF PBR #6

K-2

NAPP

1830-008

7-16-89

← CIRCLE

↑
NORTH

1989 AERIAL PHOTO OF LAKE LUCERNE

K-3

K-3

ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
VICTORVILLE PBR #6
VICTORVILLE, CA
PROJECT #J09CA069101

APPENDIX L

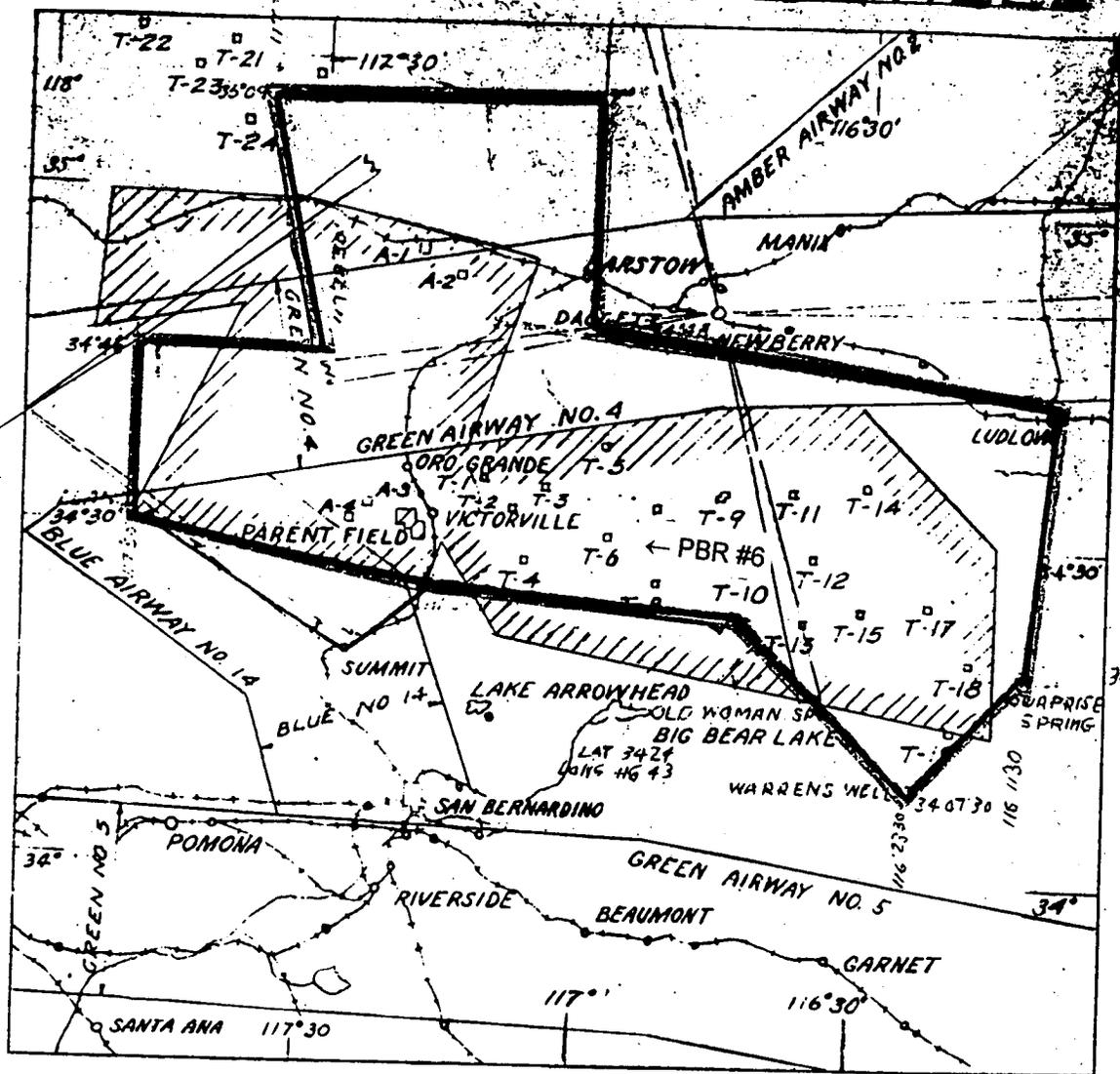
REFERENCE MAPS/DRAWINGS

APPENDIX L
REFERENCE MAPS/DRAWINGS

Table of Contents

- L-1. 1945 map showing all ranges (B-40).
- L-2. May 1943 map of flying training area (B-87).
- L-3. July 1943 map of bombing targets (B-87).
- L-4. June 1944 map of local flying area (B-84).
- L-5. August 1944 aeronautical chart (B-61).

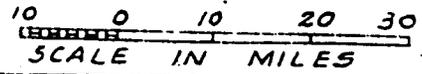
VICTORVILLE



FLYING TRAINING AREA AND DANGER AREA

11 M. REGIONAL AERO CHART BASE

-  FLYING TRAINING AREA
-  DANGER AREA



Incl. 1

V-4

Flying Training Area shown hereon
in Red is hereby approved
Roy R. Cutler

Date May 25, 1943

RESTRICTED

BOMBING TARGETS

EAST RANGE
VICTORVILLE ARMY AIR FIELD

RESTRICTED

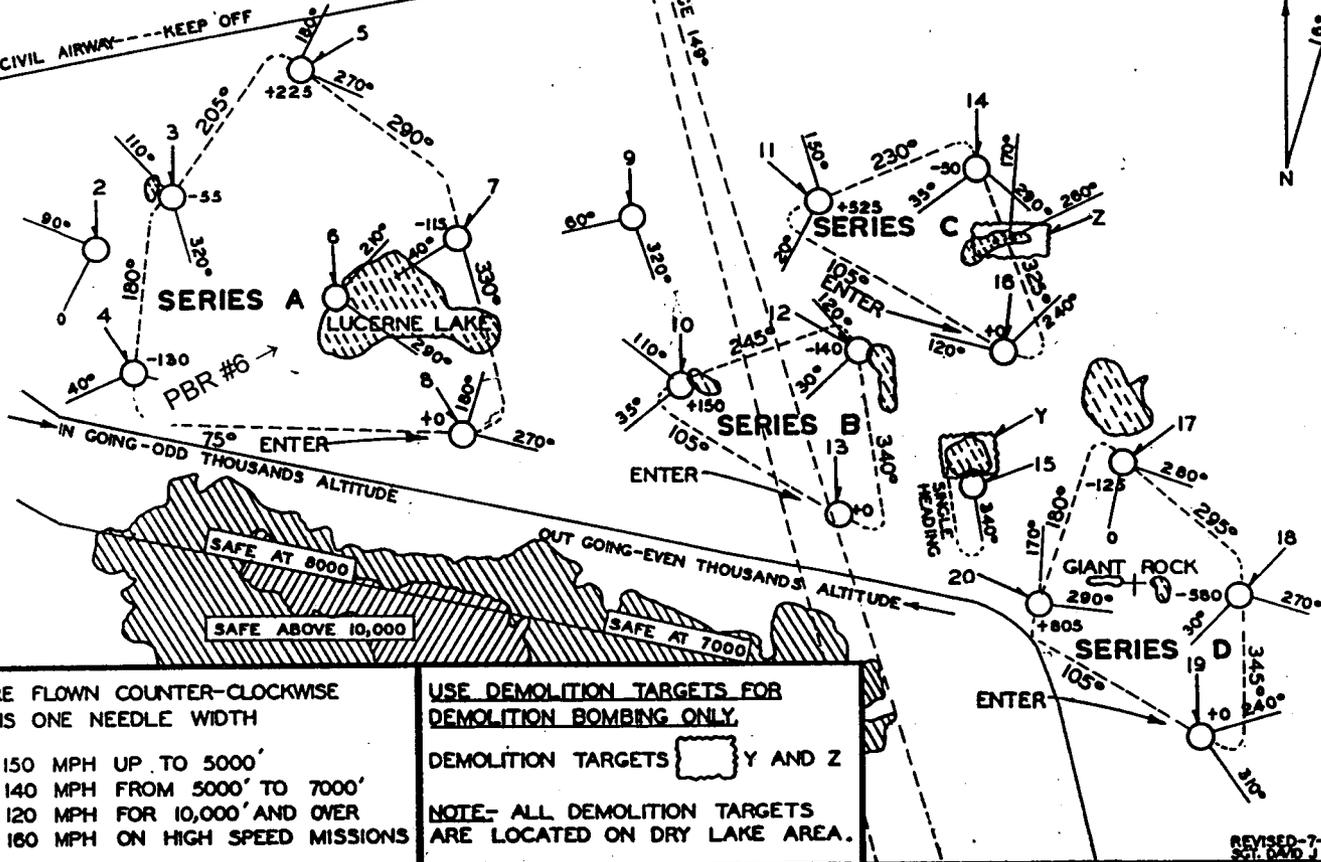
VICTORVILLE
ARMY AIR
FIELD

FIELD ALTITUDE

TARGET ALT.	2861'
2	2940'
3	3210
4	3080
5	3265
6	2845
7	3040
8	3155
9	3305
10	2895
11	3410
12	2745
13	2885
14	2885
15	2600
16	2935
17	2355
18	2480
19	3060
20	3160
Y	2570
Z	2700

OFFICE OF DIRECTOR
OF FLIGHT TRAINING

CIVIL AIRWAY--KEEP OFF



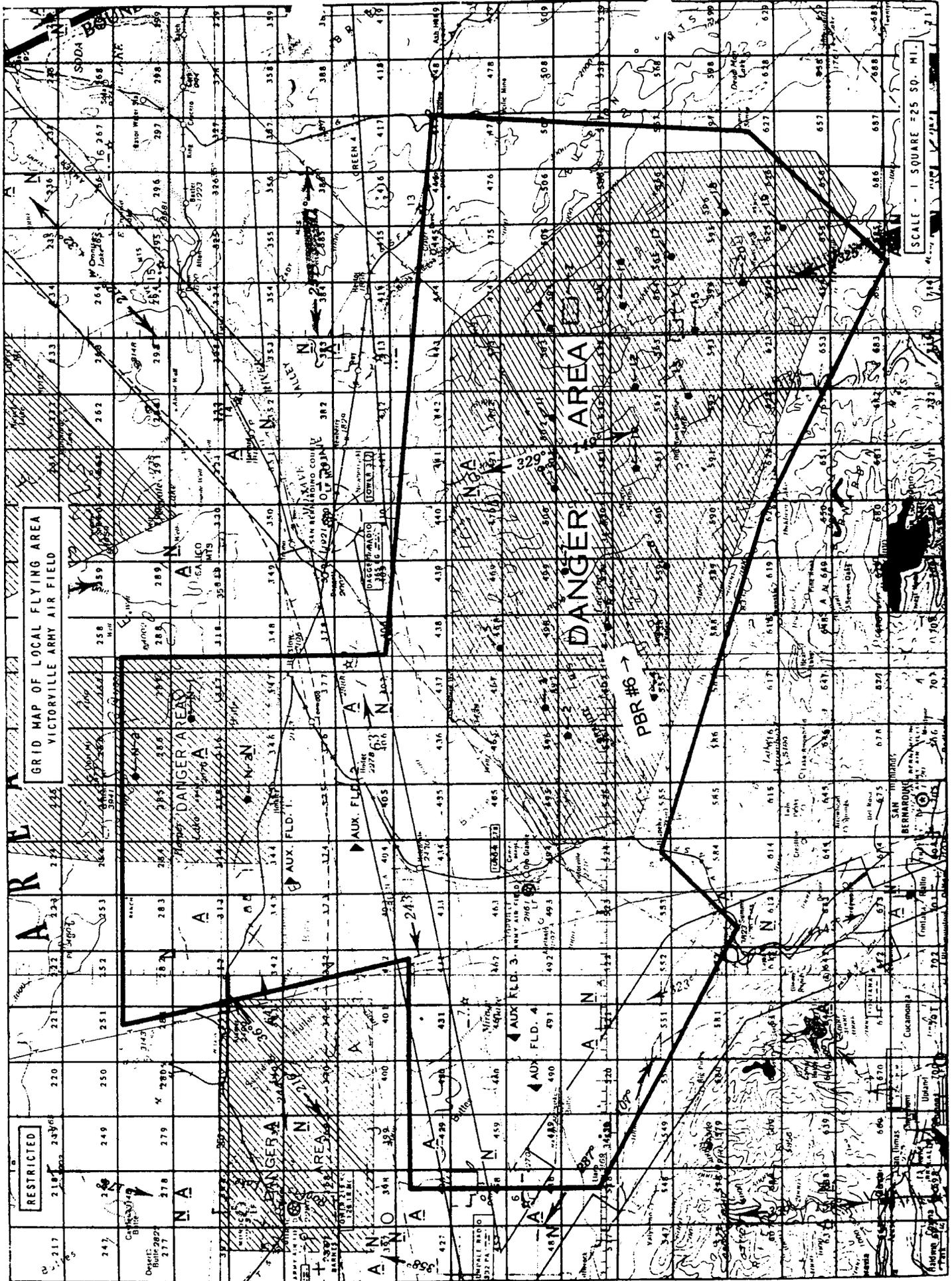
SERIES ARE FLOWN COUNTER-CLOCKWISE
ALL TURNS ONE NEEDLE WIDTH

AIRSPED 150 MPH UP TO 5000'
AIRSPED 140 MPH FROM 5000' TO 7000'
AIRSPED 120 MPH FOR 10,000' AND OVER
AIRSPED 160 MPH ON HIGH SPEED MISSIONS

USE DEMOLITION TARGETS FOR
DEMOLITION BOMBING ONLY

DEMOLITION TARGETS Y AND Z
NOTE: ALL DEMOLITION TARGETS
ARE LOCATED ON DRY LAKE AREA.

REVISED-7-20-43
SGT. DAVID J. FREN





Hazard Areas in the United States

-  **Caution Area-Visible Hazard**
(avoid if practicable)
-  **Danger Area-Invisible Hazard**
(specific authority required for flight within area)
-  **Prohibited Area**
(aircraft prohibited unless engaged in defense mission)
-  **Tunnel Area**
(thru traffic restricted to altitudes as shown)
-  **Range Approach Channel**
(showing local flying & airport control areas)

Consult Civil Aeronautics Administration
Notices for changes occurring in aeronautical
data on this chart after

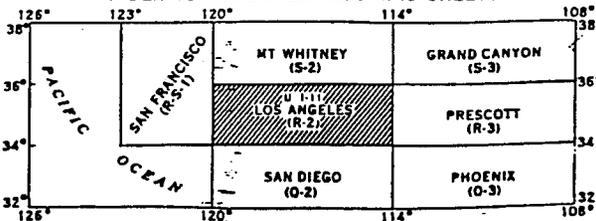
AUG. 10, 1944

LOS ANGELES (R-2)

N3400-W11400/200X600

SECTIONAL AERONAUTICAL CHART

INDEX TO PUBLISHED ADJOINING SHEETS



International Map of the World Index: I-11. Upper half
Letters and numerals following chart name thus: SEATTLE (X-1) refer
only to Sectional Aeronautical Chart index of the United States

L-5

ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
VICTORVILLE PBR #6
VICTORVILLE, CA
PROJECT #J09CA069101

APPENDIX M

ARCHIVES SEARCH REPORT CORRESPONDENCE

(Not Used)

ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
VICTORVILLE PBR #6
VICTORVILLE, CA
PROJECT #J09CA069101

APPENDIX N

PROJECT AREA BIBLIOGRAPHY

VICTORVILLE PRECISION BOMBING RANGE 6
VICTORVILLE, CALIFORNIA
PROJECT NUMBER J09CA069101

PROJECT AREA BIBLIOGRAPHY

Document-ID	Project Area(s)	OE Classification	Document Name	Document Date	Document Source	Description and Comments
1	A	Confirmed	Receipts and Expenditures	Nov 44	NARA-Archives II	E-2: Lists practice bombs only
1	B	Potential	Receipts and Expenditures	Nov 44	NARA-Archives II	E-2: Lists practice bombs only
2	A	Confirmed	Dedudding Report on Bombing Targets	Sep 46	National Personnel Record Center	E-6: Statement that only practice bombs were used on this range
3	A	Confirmed	Dedudding Certificate	10 Mar 48	NARA-Pacific Sierra Region	E-8: Statement that land is recommended for any use
4	A	Confirmed	Abandonment of Target #6	12 Apr 45	National Personnel Record Center	F-3: Legal land description
4	B	Potential	Abandonment of Target #6	12 Apr 45	National Personnel Record Center	F-3: Legal land description
5	A	Confirmed	Site Inspection Report	28 Mar 47	NARA Pacific Sierra Region	F-6: Visual inspection describing bomb debris.
6	A	Confirmed	Site Photographs	23 Jan-98	Visual Inspection	J-3 thru J-10: Photographs of bomb debris.
7	C	Confirmed	Site Photographs	23 Jan-98	Visual Inspection	J-13 & J-14: Photographs of bomb debris beyond FDE site boundary
8	A	Confirmed	Aerial Photograph	6-Jul 89	U.S. Geological Survey	K-3: Photograph of target bull's eye

ORDNANCE AND EXPLOSIVES
ARCHIVES SEARCH REPORT
FOR
VICTORVILLE PBR #6
VICTORVILLE, CA
PROJECT #J09CA069101

APPENDIX O
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**ORDNANCE AND EXPLOSIVES
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 FOR
 VICTORVILLE PBR #6
 VICTORVILLE, CA
 PROJECT #J09CA069101**

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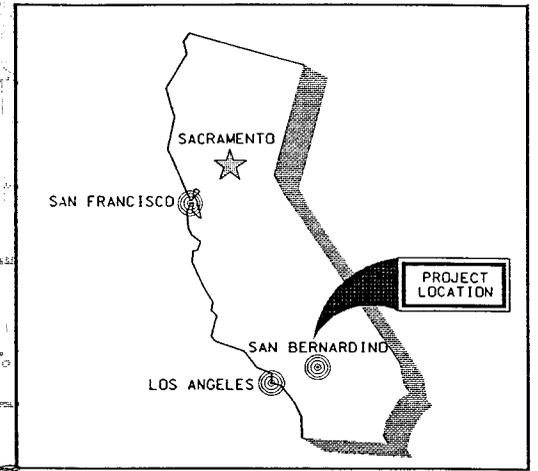
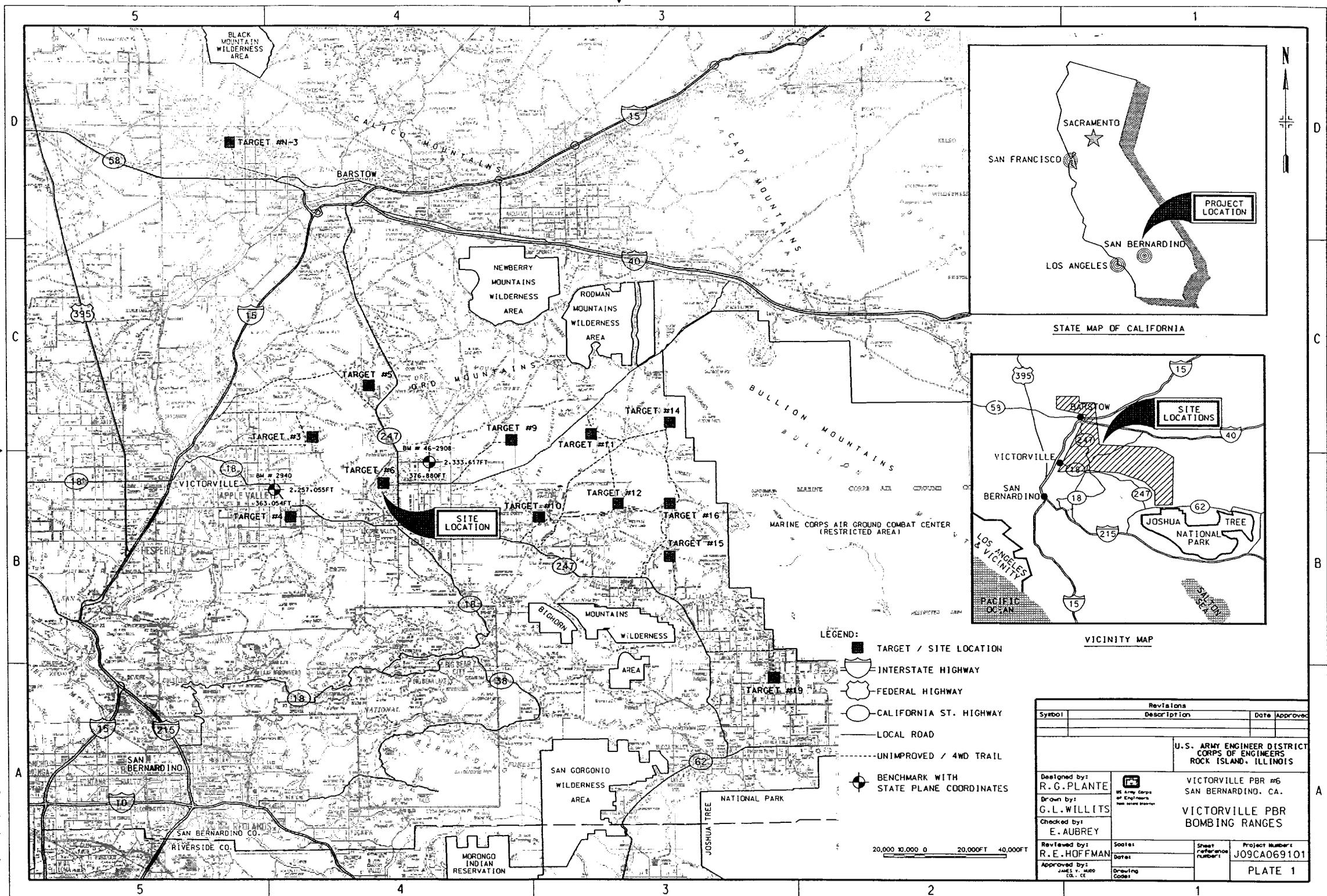
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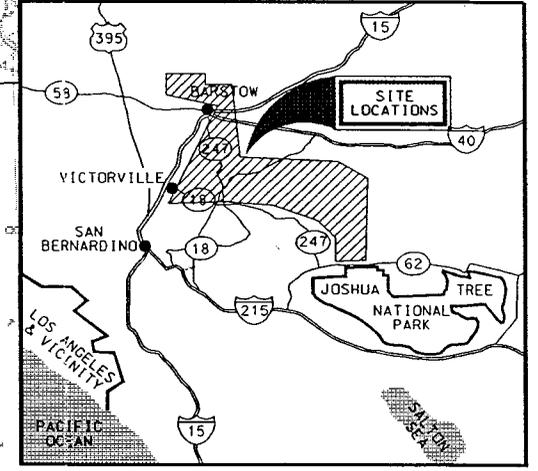
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ORDNANCE AND EXPLOSIVES
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PROJECT #J09CA069101

REPORT PLATES



STATE MAP OF CALIFORNIA



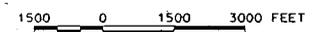
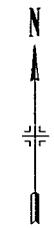
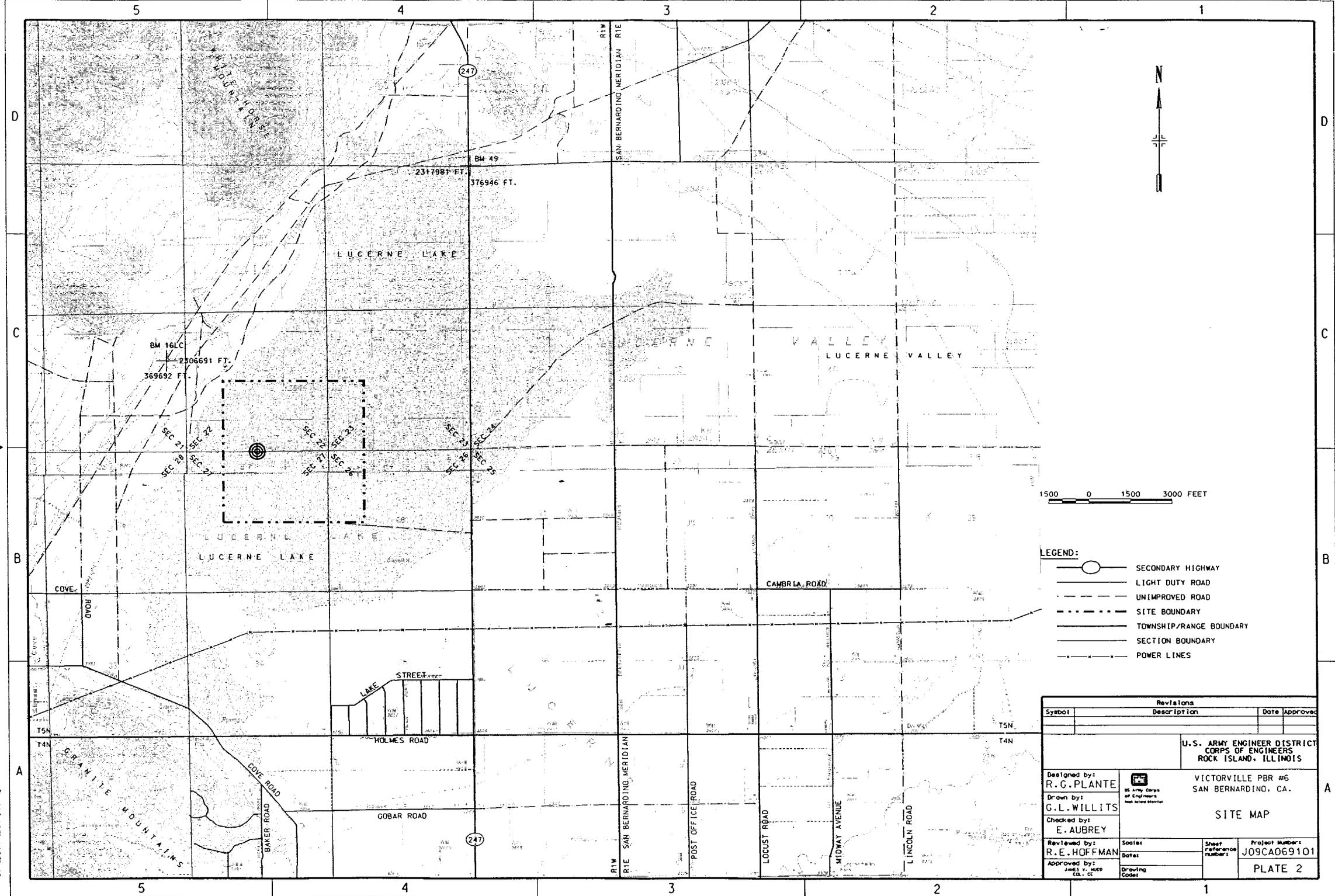
VICINITY MAP

- LEGEND:**
- TARGET / SITE LOCATION
 - INTERSTATE HIGHWAY
 - FEDERAL HIGHWAY
 - CALIFORNIA ST. HIGHWAY
 - LOCAL ROAD
 - UNIMPROVED / 4WD TRAIL
 - BENCHMARK WITH STATE PLANE COORDINATES



Revisions		Date	
Symbol	Description	Date	Approved
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS ROCK ISLAND, ILLINOIS			
Designed by: R.G. PLANTE		VICTORVILLE PBR #6 SAN BERNARDINO, CA. VICTORVILLE PBR BOMBING RANGES	
Drawn by: G.L. WILLITS			
Checked by: E. AUBREY			
Reviewed by: R.E. HOFFMAN		Scale: Date:	Sheet reference number: Project Number: J09CA069101
Approved by: JAMES V. MADD <small>COL, USAF</small>		Drawing Code:	PLATE 1

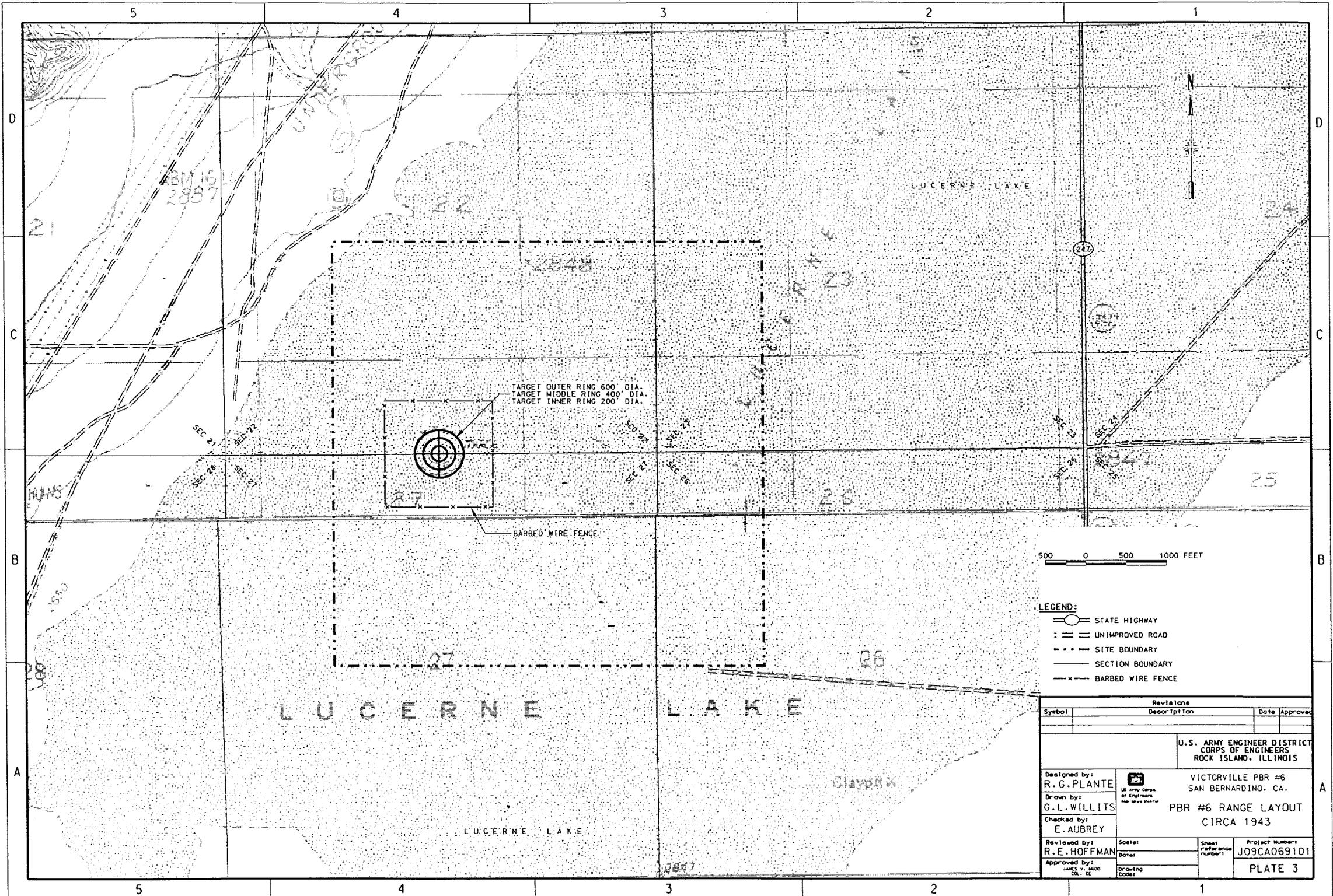
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- LEGEND:**
- SECONDARY HIGHWAY
 - LIGHT DUTY ROAD
 - UNIMPROVED ROAD
 - SITE BOUNDARY
 - TOWNSHIP/RANGE BOUNDARY
 - SECTION BOUNDARY
 - POWER LINES

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PLATE 2				Project Number: J09CA069101	

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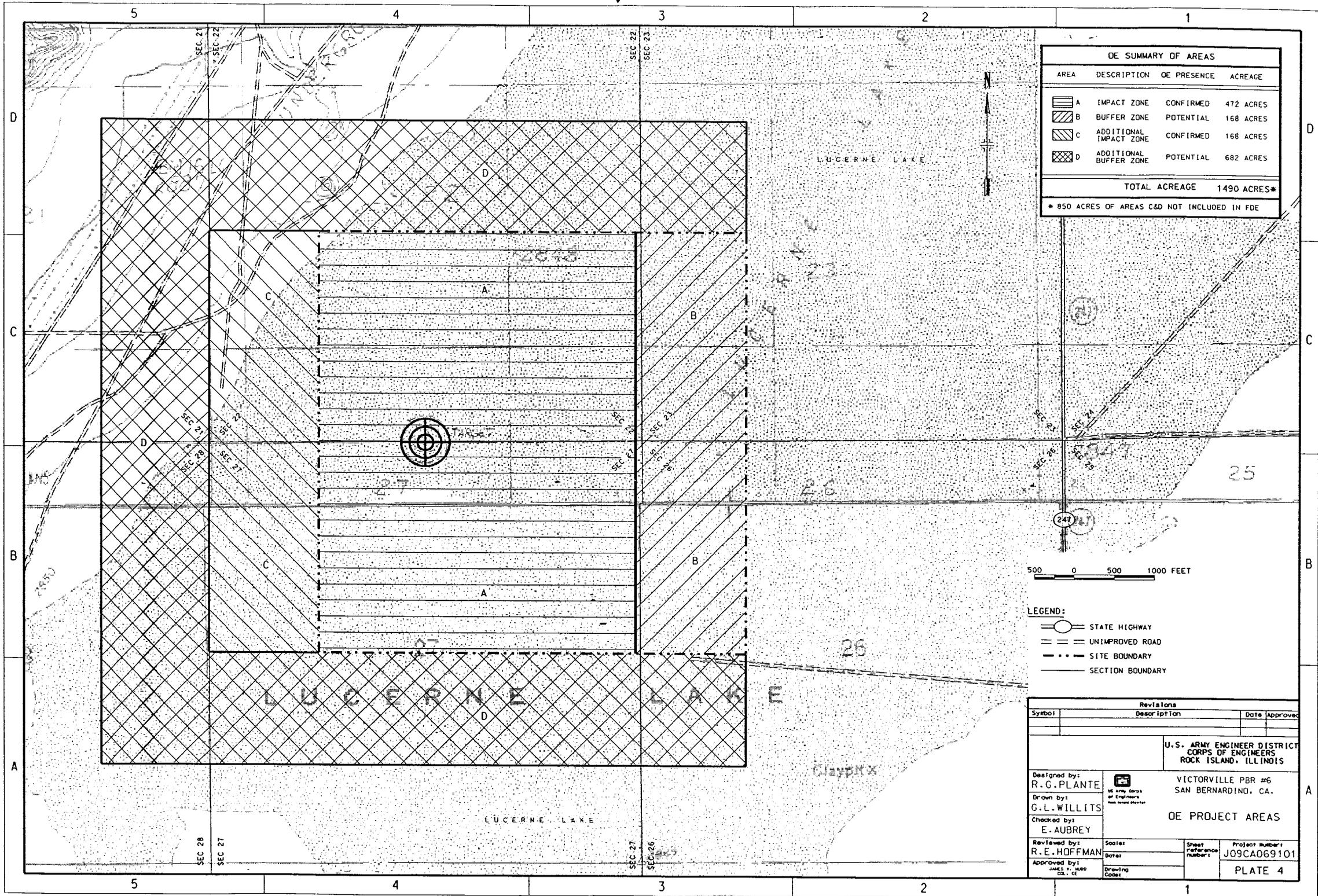


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- LEGEND:**
- STATE HIGHWAY
 - - - UNIMPROVED ROAD
 - . . . SITE BOUNDARY
 - SECTION BOUNDARY
 - x - BARBED WIRE FENCE

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Reviewed by: R. E. HOFFMAN		Scale:		Sheet Reference Number:	
Approved by: JAMES H. HANCOCK COL, USAF		Date:		Drawing Code:	
PLATE 3					



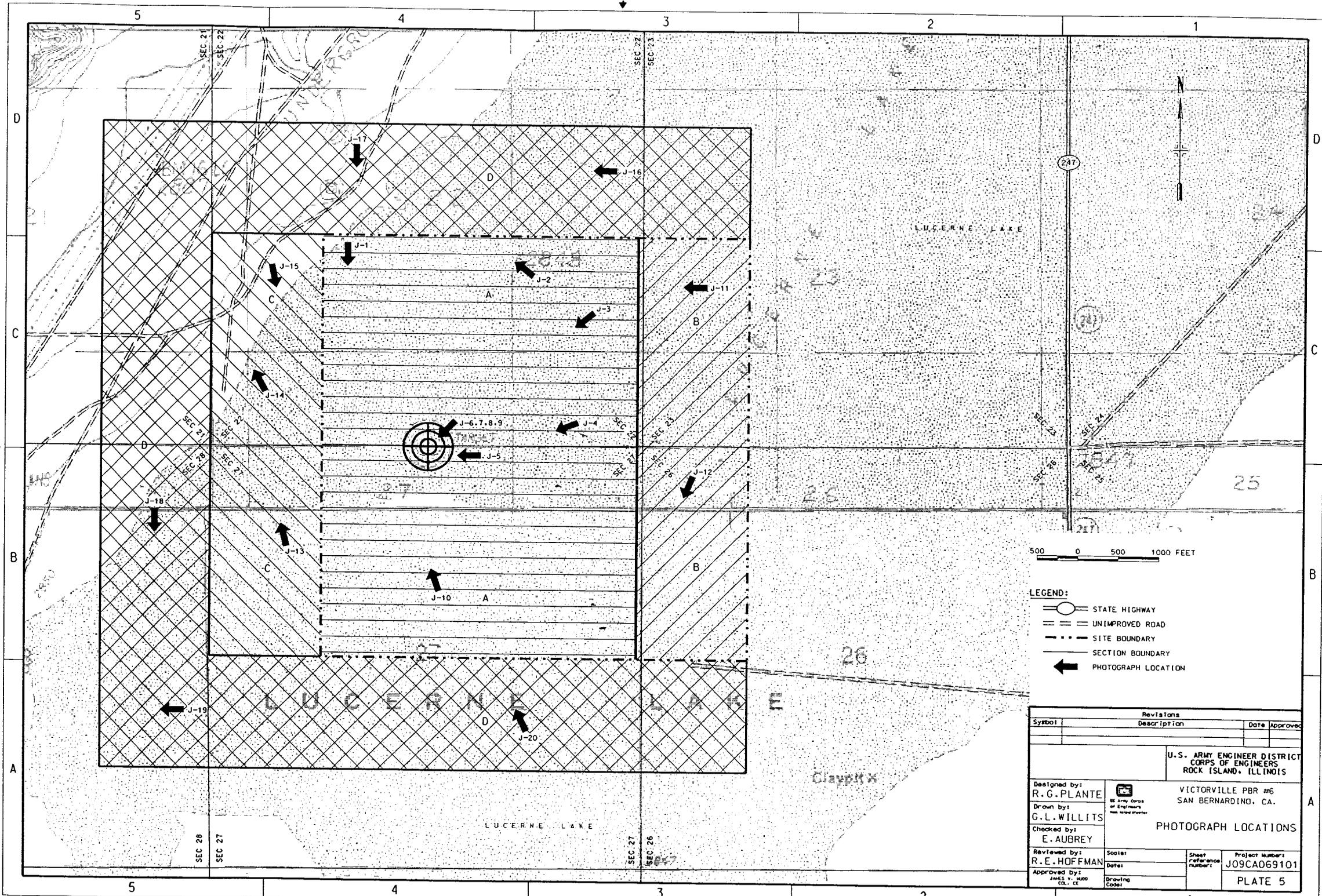
OE SUMMARY OF AREAS			
AREA	DESCRIPTION	OE PRESENCE	ACREAGE
	A IMPACT ZONE	CONFIRMED	472 ACRES
	B BUFFER ZONE	POTENTIAL	168 ACRES
	C ADDITIONAL IMPACT ZONE	CONFIRMED	168 ACRES
	D ADDITIONAL BUFFER ZONE	POTENTIAL	682 ACRES
TOTAL ACREAGE			1490 ACRES*
* 850 ACRES OF AREAS C&D NOT INCLUDED IN FDE			

500 0 500 1000 FEET

- LEGEND:
- STATE HIGHWAY
 - UNIMPROVED ROAD
 - SITE BOUNDARY
 - SECTION BOUNDARY

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Drawn by: G.L. WILLITS		OE PROJECT AREAS
Checked by: E. AUBREY	Soles: Date:	Project Number: J09CA069101
Reviewed by: R.E. HOFFMAN	Drawing Code:	PLATE 4
Approved by: JAMES H. HOOVER COL, CE		

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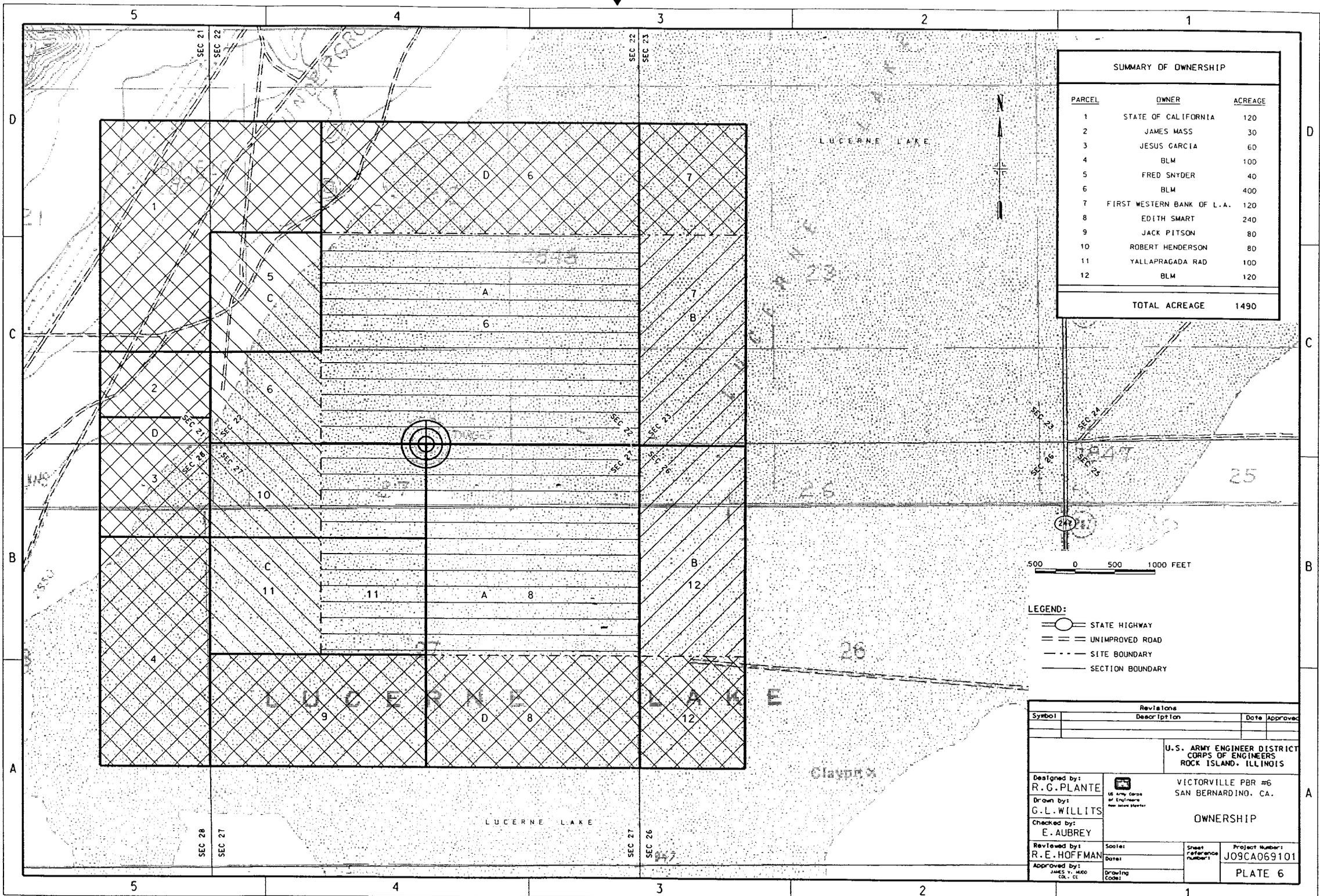
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LEGEND:

- STATE HIGHWAY
- UNIMPROVED ROAD
- SITE BOUNDARY
- SECTION BOUNDARY
- PHOTOGRAPH LOCATION

Revisions		
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Checked by: E. AUBREY		PHOTOGRAPH LOCATIONS
Reviewed by: R.E. HOFFMAN		
Approved by: JAMES V. 1000 COL. CL.	Date: _____	Sheet reference number: J09CA069101
Drawing Code: _____	Project Number: J09CA069101	PLATE 5



SUMMARY OF OWNERSHIP		
PARCEL	OWNER	ACREAGE
1	STATE OF CALIFORNIA	120
2	JAMES MASS	30
3	JESUS GARCIA	60
4	BLM	100
5	FRED SNYDER	40
6	BLM	400
7	FIRST WESTERN BANK OF L.A.	120
8	EDITH SMART	240
9	JACK PITSON	80
10	ROBERT HENDERSON	80
11	YALLAPRAGADA RAD	100
12	BLM	120
TOTAL ACREAGE		1490

500 0 500 1000 FEET

- LEGEND:**
- STATE HIGHWAY
 - UNIMPROVED ROAD
 - SITE BOUNDARY
 - SECTION BOUNDARY

Revisions			
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Drawn by: G.L. WILLITS		OWNERSHIP	
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Reviewed by: R.E. HOFFMAN	Date:	Drawing Code:	PLATE 6
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