



US Army Corps  
of Engineers  
Rock Island District



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

## Archives Search Report

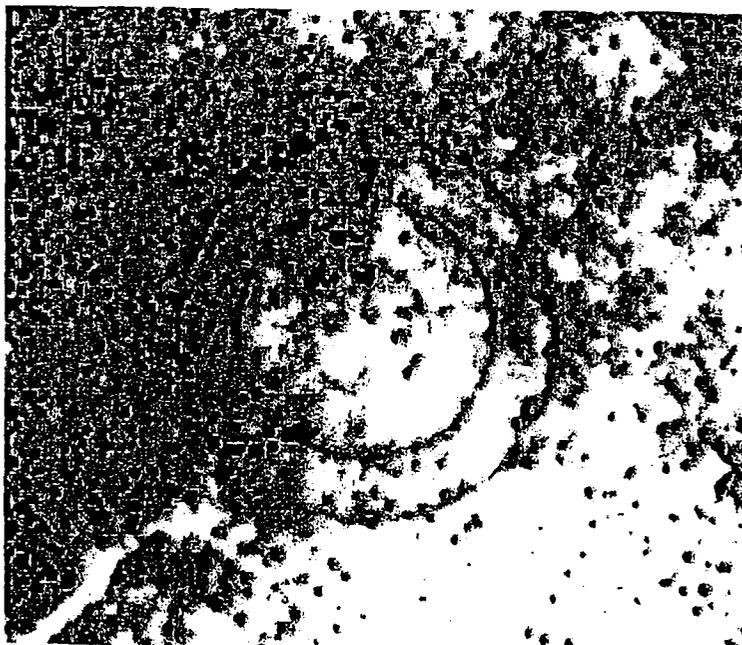
### FINDINGS

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# VICTORVILLE PRECISION BOMBING RANGE (PBR) NO. 5

VICTORVILLE, CALIFORNIA  
PROJECT NUMBER J09CA069001

MAY 1998



DEFENSE ENVIRONMENTAL RESTORATION PROGRAM  
FOR  
FORMERLY USED DEFENSE SITE

**FINDINGS**

ORDNANCE AND EXPLOSIVES  
ARCHIVES SEARCH REPORT  
FOR  
VICTORVILLE PRECISION BOMBING RANGE (PBR) NO. 5  
SAN BERNARDINO COUNTY, CALIFORNIA  
PROJECT NUMBER J09CA069001

May 1998

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ORDNANCE AND EXPLOSIVES  
 ARCHIVES SEARCH REPORT  
 FOR  
 VICTORVILLE PRECISION BOMBING RANGE (PBR) NO. 5  
 VICTORVILLE, CALIFORNIA  
 PROJECT NUMBER J09CA069001

**ACKNOWLEDGMENT**

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ORDNANCE AND EXPLOSIVES  
ARCHIVES SEARCH REPORT  
FOR  
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SAN BERNARDINO COUNTY, CALIFORNIA  
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ORDNANCE AND EXPLOSIVES  
ARCHIVES SEARCH REPORT  
FOR  
VICTORVILLE PRECISION BOMBING RANGE NO. 5  
VICTORVILLE, CALIFORNIA  
PROJECT NUMBER J09CA069001

1. INTRODUCTION

a. **Subject and Purpose**

(1) This report presents the findings of a historical records search and site inspections for ordnance and explosives (OE) located at the Victorville Precision Bombing Range (PBR) No. 5, Victorville, California (see plate 1). The investigation was performed under the authority of the Defense Environmental Restoration Program for Formerly Used Defense Sites (DERP FUDS).

(2) The investigation focused on approximately 691.96 acres that were used as a practice bombing target for the training of bombardiers from 1943 until 1948.

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

b. **Scope**

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

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

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

2. PREVIOUS INVESTIGATIONS

a. **DERP FUDS Inventory Project Report**

A DERP FUDS Inventory Project Report (INPR) for the former Victorville Precision Bombing Range (PBR) No. 5, Site No: JOCA069001, was conducted in July 1991 (see document E-1). At that time, the Findings and Determination Eligibility (FDE), dated July 1991, found that the site had been formerly used by the Department of Defense and as such was eligible under DERP (see document E-2). A Risk Assessment Code (RAC) of 4 was assigned to the former Victorville Precision Bombing Range (PBR) No. 5.

| TABLE 2-1<br>DERP-FUDS PRELIMINARY ASSESSMENT PROJECTS |                    |               |                                |                     |
|--|--------------------|---------------|--------------------------------|---------------------|
| Project Number   | DERP-FUDS Category | Present Phase | Comments                       | Location            |
| J09CA069001  | OE                 | SI            | Ordnance or Explosive Presence | Entire 691.96 acres |
|  | BD/DR              |               | None Recommended               |                     |
|  | HTRW               |               | None Recommended               |                     |

b. **Other Investigations**

No other pertinent investigations or inspections were discovered during the ASR process.

3. SITE DESCRIPTION

a. **Existing Land Usage**

The former Victorville Precision Bombing Range (PBR) NO. 5 is located approximately 10 miles north of Lucerne Valley, California. The majority of Victorville Precision Bombing Range (PBR) No. 5 is under the control of the U.S. Department of the Interior, Bureau of Land Management (BLM)

Department of the Interior, Bureau of Land Management (BLM) with forty six, two and one-half acre parcels of land privately owned.

| <b>TABLE 3-1<br/>CURRENT LAND USAGE</b> |                |                    |                         |                |             |
|---|----------------|--------------------|-------------------------|----------------|-------------|
| Area                                    | Former Usage   | Present Owner      | Present Usage           | Size/<br>Acres | Comments    |
| A                                       | Target Area    | BLM/Private Owners | Undeveloped Desert Land | 200            | See Plate 3 |
| B                                       | Buffer Zone    | Same as Above      | Undeveloped Desert Land | 200            | See Plate 3 |
| C                                       | Remaining Land | Same as Above      | Undeveloped Desert Land | 291.96         | See Plate 3 |
| Total Approximate Acreage:              |                |                    |                         | 691.96         |             |

**b. Climatic Data**

(1) Victorville is in San Bernardino County, California. The subject area has very long and very hot summers. Winters are quite warm despite an occasional series of days when the nightly minimum temperature drops below freezing. In winter, the average temperature is 45 degrees. In summer, the average temperature is 77 degrees at Victorville. Rainfall is scant in all months, and irrigation is required for all crops.

(2) The total annual precipitation is 5 inches at Victorville. Of this, 30 percent usually falls between April and September. The growing season for most crops falls within this period. Thunderstorms occur about three days each year, and most occur in summer.

(3) The average seasonal snowfall is two inches at Victorville. The greatest snow depth at any one time during the period of record was 17 inches.

(4) The average relative humidity in mid-afternoon is about 20 percent. Humidity is higher at night, and the average at dawn is about 50 percent. Percentage of possible sunshine is 90 percent of the time in the summer and 60 percent in winter.

(5) The prevailing wind is from the west. Average wind speed is highest in summer at 8 miles per hour. Strong, dry winds come from varying directions throughout the year.

and carry sand. The highest percentage of the time (54-65 percent) when windspeed exceeds 12 miles per hour is from March through June. A windspeed of more than 12 miles per hour occurs on an average of 22 percent of the year at Victorville.

**c. Topography**

Topography of the subject site is nearly level with an average elevation of 3,200 feet. The natural vegetation is mainly desert shrubs, grasses, and forbs (see photo J-1 and J-2).

**d. Geology and Soils**

The site lies within the Mojave River Area. Elevation ranges from 2,800 to 3,300 feet. The soil association at the former PBR No. 5 belongs to one major soil series (Cajon-Arizo).

(1) Cajon-Arizo complex, 2 to 15 percent slopes. This association unit consists of 55 percent Cajon gravely sand and 30 percent Arizo gravely loamy sand. The Cajon soil is on wide margins alluvial fans, on side slopes of coalescing fans, and in interfan drainageways.

(2) The Cajon soil is very deep and somewhat excessively drained. It formed in alluvium derived dominantly from granitic material. Typically, the surface layer is very pale brown gravely sand about 6 inches thick. The underlying material to a depth of 60 inches or more is very pale brown gravely sand that has strata of sand.

(3) Permeability of the Cajon soil is rapid. Available water capacity is low. Runoff is slow, and the hazard of water erosion is slight or moderate. Effective rooting depth is 60 inches or more. The soil is subject to rare periods of flooding.

(4) The Arizo soil is very deep and excessively drained. It formed in alluvium derived from granitic material. Typically, the surface layer is pale brown gravely loamy sand about 6 inches thick. The underlying material to a depth of 60 inches or more is pale brown very gravely loamy sand.

(5) Permeability of the Arizo soil is very rapid. Available water capacity is low. Runoff is slow and the hazard of water erosion is slight or moderate. Effective rooting depth is 60 inches or more. The soil is subject to occasional, very brief periods of flooding.

e. **Hydrology**

The water bearing deposits are unconsolidated and partly consolidated continental deposits that form two aquifers, a shallow alluvial aquifer and an underlying regional aquifer. The shallow alluvial aquifer overlies the regional aquifer along the Mojave River and is the more productive aquifer, yielding much of the groundwater that is pumped from the basin. The alluvial aquifer is composed of very permeable younger river deposits of Holocene age and older river deposits of Pleistocene age that are about 200 feet thick and lie within about 1 mile of the Mojave River. The regional aquifer extends throughout most of the study area and is composed of unconsolidated older alluvium and fan deposits of Pleistocene to Tertiary age, and partly consolidated to consolidated sedimentary deposits of Tertiary age. The depth to groundwater at this site is approximately 150 ft.

f. **Natural Resources**

Federally listed or proposed threatened species that may exist at the former Victorville Precision Bombing Range (PBR) No. 5 are listed in Table 3-1 below (see document F-1).

g. **Historical/Cultural Resources**

There are no historical or cultural sites identified at the former Victorville Precision Bombing Range (PBR) No.5, but before beginning any future remediation, contact the SHPO to obtain the current status of the site (see document F-2).

| <b>TABLE 3-2<br/>NATURAL, HISTORICAL, &amp; CULTURAL RESOURCES</b> |                             |                                   |
|--|-----------------------------|-----------------------------------|
| <b>Resource<br/>Classification</b>                                 | <b>Type</b>                 | <b>Comment<br/>Federal Status</b> |
| Wildlife   | Reptiles<br>Desert Tortoise | Threatened                        |
| Vegetation   | None Listed                 |                                   |
| Historical   | None Identified             |                                   |
| Cultural   | None Identified             |                                   |

#### 4. HISTORICAL ORDNANCE PRESENCE

##### a. **Chronological Site Summary**

(1) In May 1943, 691.96 acres was transferred from the U.S. Department of Interior to the War Department through Public Land Order (PLO) 125. The site was used by the Army Air Forces based at the former Victorville Airfield as a practice bombing area (see documents E-1 through E-3).

(2) The Corps of Engineers constructed a bomb target near the center of the site. The target was composed of asphalt strips approximately 5 feet wide configured as three concentric circles with approximate radii of 100, 200, and 300 feet (see plate 3). In addition, there were two strips of asphalt which transected the concentric circles at right angles to each other (see documents E-1 through E-3).

(3) In November 1948, PBR No. 5 was transferred back to the U.S. Department of Interior; this transfer of land became official in March 1954 through PLO 948. However, forty-six two and one half acre parcels are owned by private landowners (see document E-1 through E-3).

##### b. **Review of Ordnance Related Records**

(1) Research efforts began with a thorough review of all reports, historical documents, and reference material gathered during the ASR historical document search (see Appendix A). During this review, an effort was made to focus on areas of potential OE presence.

(2) Several documents including drawings, maps, real estate documentation, correspondence, and various other records appropriate to the former Victorville Precision Bombing Range (PBR) No. 5 were located.

(3) A letter dated 4 April 1942, from the District Engineer, U.S. Engineer Office Los Angeles, California, to Commanding Officer, Victorville Army Flying School, Victorville, California, Subject: Bombing Targets-Notice of Completion and Release to Air Corps. The letter releases bombing targets numbers 4, 5, 6, and 8 for use and maintenance. Also the accepting of bombing targets by the Executive Officer of Victorville Army Air Field, Victorville, California (see document F-3).

(4) Maps, dated 25 May and 20 July 1943, from the Historical Record of Victorville Army Air Field, Victorville, California. These maps show direction of approach for the

aircraft to the target, airspeed and altitude. Also, regional flying/training and danger areas for each target (see documents L-1 and L-2).

(5) Excerpt, dated 1 November through 31 December 1944, from the History of Victorville Army Air Field Victorville, California. A list indicating types of the ordnance supplies on hand during this period. This indicates what bombs were on hand and available for use. The only bombs used on this site were M38A2's (see document F-4).

(6) Letter, dated 25 October 1947, from the Corps of Engineers, March Field, Riverside, California. A certificate showing Victorville Bombing Targets, numbers 2, 4, 5 and 18 have been examined for unexploded ordnance with none being found. Also, the only evidence of ordnance was 100-lb M38A2 practice bombs with the resulting scrap from these bombs not being removed (see document F-5).

(7) Document, dated 14 January 1948, from Deputy Director of Service, Supply and Procurement Washington, D.C., places bomb targets 2, 4, 5 and 18 in the category of surplus effective 12 January 1948 (see document F-6).

(8) Document, dated 17 June 1948, from 9200<sup>th</sup> TSU-OE, Detachment # 15 Bomb and Shell Disposal Team. Designated targets 2, 4, 5, and 18 have been given a careful visual inspection and have been cleared of all dangerous and/or explosive materials. Also, these areas will not require additional dedudding to render them safe for public use (see document F-7).

(9) Letter, dated 1 November 1948, from the Assistant Chief of Engineers for Real Estate. Canceling Public Land Order 125 insofar as applicable to bombing targets 1, 5, 10, 11, 12, 13,14, and 18 (see document F-8).

(10) Letter, dated 29 March 1954, transferring 691.96 acres to the Department of Interior under PLO No. 948 (see document F-9).

**c. Interviews With Site Related Personnel**

(1) Mr. Hall and Mr. Myers are special detectives assigned to the San Bernardino Sheriff's Bomb Squad. 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 received over 200 calls per year regarding military munitions due to the large military presence in San Bernardino County. Most

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. They mentioned a few target areas that ordnance had been recovered on but, to the best of their recollection, no ordnance had been discovered on PBR No. 5 (see document I-1).

(2) Mr. Bronson is the North Zone Supervisor of the Law Enforcement Rangers for the Bureau of Land Management (BLM), Barstow Field Office. Mr. Bronson stated that rangers have found ordnance items in the past (he didn't remember exact locations). He commented that they never touched any of the items and they would always call the EOD unit at Fort Irwin to remove the items (see document I-2)

(3) CPT Grimes, 1SG Fortney, and SFC Woods from the 759<sup>th</sup> Ordnance Company, Explosive Ordnance Disposal (EOD) were questioned by the SI team whether they had any specific knowledge of OE presence at any of the Victorville PBRs. None of the three could recall the 759<sup>th</sup> responding to 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 EOD unit at Edward's AFB (see document I-3).

(4) MSGT Hepner and TSGT Glinka have been with the 95<sup>th</sup> Civil Engineering Group (CEG) for a few months and five and one half years respectively. Although they have responded to OE incidents at George AFB (formerly Victorville AAF), neither could recall ever responding to OE incidents at any of the Victorville PBRs. Neither had any knowledge of any OE incidents occurring at the Victorville PBRs. Both stated the EOD unit at Fort Irwin would normally respond to any incidents in the area of the PBRs (see document I-4).

(5) Mr. Brooks was part of the initial enlisted cadre arriving 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 carried both .50 caliber and 20mm machine guns, but were fired only at Muroc Dry Lake range near what is now Edwards AFB. He knew specifically of 4 Victorville AAF bombing ranges that were in dry lakes. Mr. Brooks said the AT-11s were used 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 the small arms and

used when he was there. He added that the 100-lb practice bombs were stored out in the open, and that the small arms and spotting charges were the only items stored in one small igloo on the AAF (see document I-5).

(6) Mr. Cooper joined the Army Air Forces as a 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. Mr. Cooper said that all he ever dropped were 100-lb sand filled bombs with spotting charges. 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 (see document I-6).

## 5. SITE ELIGIBILITY

### a. **Confirmed Formerly Used Defense Sites**

(1) Former land usage and ownership by the Department of Defense was previously confirmed for the Victorville Precision Bombing Range (PBR) No. 5 (see document E-1). The Findings and Determination of Eligibility for this site, dated 23 July 1991, defined this area as eligible under the DERP FUDS Program. All property is currently owned by the U.S. Department of the Interior, Bureau of Land Management and forty-six private landowners.

### b. **Potential Formerly Used Defense Sites**

There were no potential formerly used defense sites discovered during preparation of this ASR.

## 6. VISUAL SITE INSPECTION

### a. **General Procedures and Safety**

(1) From 26 to 30 January 1998, members of the site investigation (SI) team traveled to the former Victorville Precision Bombing Range (PBR) No. 5, which is located approximately ten miles north of Lucerne Valley, California. The primary purpose of the SI team was to assess the OE presence or potential of the former precision bombing range. The inspection was limited to non-intrusive methods, e.g., subsurface sampling was not authorized nor performed.

briefing which stressed safety and that OE should only be handled by military EOD personnel was conducted prior to the inspection for all personnel attending the on-site inspection. Site safety was maintained at all times by the inspection team during the on-site inspection.

(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 of the ASR was made to ensure awareness of potential ordnance types and hazards.

(4) The site inspection consisted of a vehicle and foot search of the site. The primary focus of the site visit was to locate evidence of OE surface presence or a potential OE burial site.

**b. Area A: Target Area**

(1) Area A is approximately two hundred acres located in the center of PBR No. 5. This area was/is the site of three concentric asphalt circles. These circles were what the pilots would aim at when dropping their practice bombs (see plates 2 through 5, photographs J-3, J-4, K-1 and K-2).

(2) The SI team drove to the center of the site and found the asphalt circles. The four members of the SI team then split up and went in four different directions. Remnants of OE debris were discovered out to about  $\frac{1}{4}$  mile in all directions. The amount of debris was light with only 100-lb practice bomb debris being discovered on this site (see photographs J-5 and J-6).

(3) The SI team discovered a small privately owned mobile home approximately 150 to 200 yards north to north east of the outer circle. The mobile home appeared to be occupied due to the presents of numerous dogs. The SI team also found evidence of recreational vehicle (motorcycle) usage on the site (see photograph J-7).

**c. Area B: Buffer Zone**

Area B is approximately a two-hundred acre area surrounding Area A. The SI team members independently walked Area B and found no evidence of OE or OE debris presence. There was some evidence of recreational vehicle usage (see plate 3 and photographs J-1 and J-2).

d. **Area C: Remaining Land**

This area consists of all property identified as part of the former PBR No. 5, other than that contained within Areas A and B. The inspection team found no OE or OE debris within this area (see plate 3 & photographs J-1 and J-2).

7. EVALUATION OF ORDNANCE HAZARDS

a. **General Procedures**

(1) Each area was evaluated to determine confirmed, potential, or uncontaminated ordnance presence. **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.

(a) **Verifiable historical record evidence is based on OE items actually seen** on site since site closure and documented by: historical records (Archive Records, Preliminary Assessment Reports, Site Investigation Reports), local fire departments and law enforcement agencies/bombs squads, military Explosive Ordnance Disposal (EOD) Units, newspaper articles, photographs, or maps.

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

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

(a) **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.

(b) **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.

(c) **Indirect witness** would be people who have stated that they have heard of OE presence on-site (hearsay evidence).

(3) **Uncontaminated** ordnance areas are based on a lack of confirmed or potential ordnance evidence. All historical records, evidence, and present day site inspections do not indicate confirmed or potential ordnance presence. There is no reasonable evidence, either direct or inferred, to suggest present day ordnance presence. Additional field data is not needed to assess uncontaminated ordnance areas.

(4) No evidence was developed during the records search or the site visit that indicated that Chemical Warfare Material (CWM) was used or was present at the Victorville Precision Bombing Range (PBR) No. 5.

**b. Area A: Target Area**

(1) The SI team walked most of this area and found a few visual remains of M38A2 practice bombs. As indicated in document F-5 certificate of dedudding, there is no evidence of anything but 100-lb M38A2 having been dropped on this target and the scrap from these bombs not being removed. This area is where the target circles are and where the precision bombing was concentrated.

(2) The only type of OE debris found was remnants from M38A2 practice bombs. The potential explosive hazard associated with this type of munition is the spotting charge, which contains a small amount of black powder.

(3) Due to the OE debris that has been found on site since site closure, Area A is considered to have a **confirmed OE presence**.

**c. Area B: Buffer Zone**

(1) Area B is a **potential** area of OE presence due to this area's close proximity to Area A. The SI team performed a surface visual inspection of this area to the greatest extent possible without revealing an OE presence.

(2) Due to the inexperience of the bombardiers, it is possible that practice bombs may have missed the target area and be present in Area B.

d. **Area C: Remaining Land**

This area is considered to be **uncontaminated**. The SI team performed a surface visual inspection of this area to the greatest extent possible, without discovering any OE items. In addition, no other historical evidence could be found to substantiate a remaining hazardous OE presence in this area.

8. SITE ORDNANCE TECHNICAL DATA

a. **End Item Data**

Tables 8-1 and 8-2 are a listing of ammunition and explosive fillers that may have been used at the PBR No.5. Table 8-2, is a summary of site ordnance fillers that has been developed based on Table 8-1. These tables are based on review of historical documentation and specifications stated in appendix D. Tables 8-1 and 8-2 do not indicate a current presence but is only a listing of ordnance that may have been present at the former PBR No. 5 and is included for reference purposes only.

| TABLE 8-1<br>AMMUNITION USED/FOUND AND EXPLOSIVES/CHEMICAL FILLER |               |   |
|---|---------------|---|
| ITEM  | MODEL/TYPE    | FILLER/WEIGHT                             |
| Bomb, practice 100lb<br>W/spotting charge                         | M38A2<br>M1A1 | Sand (inert) 100lbs<br>3 lbs Black Powder |

b. **Chemical Data of Ordnance Fillers**

| TABLE 8-2<br>CHEMICAL DATA OF ORDNANCE FILLERS |                  |                  |
|--|------------------|------------------|
| Filler   | Synonym(s)       | Chemical Formula |
| Black Powder                                   |                  |                  |
| 74% Potassium Nitrate                          | Saltpeter; Niter | KNO <sub>3</sub> |
| 11% Sulfur                                     |                  | S                |
| 16% Charcoal                                   |                  | C                |

9. OTHER SITE ENVIRONMENTAL HAZARDS

a. **Hazardous, Toxic, and Radiological Waste (HTRW)**

No potential Hazardous, Toxic, and Radiological Waste projects were found during this site investigation.

b. **Building Demolition/Debris Removal (BD/DR)**

No potential Building Demolition/Debris Removal projects were found during this site investigation.

ORDNANCE AND EXPLOSIVES  
ARCHIVES SEARCH REPORT  
FOR  
VICTORVILLE PERCISION BOMBING RANGE (PBR) NO.5  
VICTORVILLE, CALIFORNIA  
PROJECT NUMBER: JO9CA069001

APPENDIX A

REFERENCE SOURCES

REFERENCE SOURCES

The following organizations and personnel are acknowledged for their support

| Organization  | Name                                  | Telephone      | Nature of Support  |
|---|---------------------------------------|----------------|--|
| <u>GOVERNMENT</u>   |                                       |                |  |
| <b>FEDERAL AGENCIES</b>   |                                       |                |  |
| <u>Department of Defense</u>  |                                       |                |  |
| DEFENSE LIBRARY ON DISK<br>PENTAGON RM 1A518<br>WASHINGTON, DC 20310-6080   | COMPUTER SEARCH<br>(DLOD)             | (703) 697-4658 | NO RELEVANT INFORMATION  |
| DEFENSE TECHNICAL INFORMATION<br>CENTER<br>8725 JOHN J. KINGMAN ROAD<br>SUITE 0944<br>FORT BELVOIR, VA 22060-6218 | COMPUTER SEARCH<br>(DTIC)             | (703) 767-8274 | NO RELEVANT INFORMATION  |
| DOD EXPLOSIVES SAFETY BOARD<br>2461 EISENHOWER AVE.<br>ALEXANDRIA, VA   | COMPUTER SEARCH<br>(DDESB)            | (703) 325-8624 | NO RELEVANT INFORMATION  |
| NATIONAL IMAGERY AND MAPPING<br>AGENCY<br>ATTN: ISDFR<br>4600 SANGAMORE RD<br>BETHESDA, MD 20816                  | BILL HARRIS<br>(DMA)                  | (800) 826-0342 | NEW AERONAUTICAL CHARTS  |
| <u>Army</u>   |                                       |                |  |
| 759TH ORD CO (EOD)<br>BLDG 520<br>FT. IRWIN, CA 92310   | CPT GRIMES, 1SG<br>FORTNEY, SFC WOODS | (760) 380-4092 | SEE INTERVIEW I-3  |
| DEFENSE LOGISTICS STUDIES<br>INFORMATION EXCHANGE<br>US ARMY LOGISTICS MGMT COLL<br>FT. LEE, VA 23801             | COMPUTER SEARCH<br>(DLSIE)            | (804) 734-4007 | NO RELEVANT INFORMATION  |
| IOC HISTORICAL OFFICE<br>ATTN: AMSIO-EAH, BLDG 390<br>ROCK ISLAND, IL 61299                                       | TOM SLATTERY                          | (309) 794-1450 | NOT STAFFED FOR RESEARCH.<br>REFERRED TO NARA, WASHINGTON,<br>D.C. |
| CENTER OF MILITARY HISTORY<br>ATTN: DAMH-RAS<br>1099 14th ST. N.W.<br>WASHINGTON, DC 20536                        | STAFF                                 | (202) 761-5416 | SEE APPENDIX B, SECTION II,<br>PARTS A AND B                       |

REFERENCE SOURCES

The following organizations and personnel are acknowledged for their support

| Organization  | Name  | Telephone      | Nature of Support                                 |
|---|---|----------------|---|
| <u>GOVERNMENT</u>   |   |                |   |
| <u>Army (cont.)</u>   |   |                |   |
| U.S. ARMY MILITARY HISTORY<br>INSTITUTE LIBRARY<br>CARLISLE BARRACKS, BLDG 22<br>CARLISLE, PA 17013-5008            | JOHN SLONAKER<br>DENNIS VETOCK                  | (717) 245-3611 | NO RELEVANT INFORMATION                           |
| USACE-LOS ANGELES DISTRICT<br>SOUTHERN CALIF AREA OFFICE<br>10845 RANCHO BERNARDO ROAD<br>RANCHO BERNARDO, CA 92127 | JIM WALKER<br>B.J. ALLEN                        | (619) 674-6789 | PROVIDED REFERRALS.                               |
| U.S. ARMY CBDCOM<br>ATTN: AMSCB-CIH<br>APG, MD 21010-5423   | KATHLEEN CIOLFI                                 | (410) 671-4430 | NO RELEVANT INFORMATION                           |
| USACE-LOS ANGELES DISTRICT<br>911 WILSHIRE BLVD<br>LOS ANGELES, CA 93043  | DEB CASTENS<br>GREG BOGHOSSIAN<br>RICHARD NAGLE | (213) 452-3719 | INPRS   |
| U.S. ARMY ORDNANCE MUSEUM<br>ATTN: ATSL-DOS-M<br>BLDG 2601<br>APG, MD 21005-5201                                    | DR. ATWATER<br>ROGER GODIN                      | (410) 278-3602 | SOURCE FOR OLD ORDNANCE AND<br>NAVY PUBLICATIONS. |
| US ARMY CHEMICAL SCHOOL<br>FISHER LIBRARY<br>BUILDING 1081<br>FT McCLELLAN, AL 36205-5000                           | DICK PASTORETT                                  | (205) 848-4414 | NO RELEVANT INFORMATION                           |
| U.S. ARMY TECHNICAL CENTER FOR<br>EXPLOSIVES SAFETY LIBRARY<br>ATTN: SIOAC-ESM<br>SAVANNA, IL 61074-9639            | CHRIS HOLIDAY                                   | (815) 273-8772 | REFERENCE SOURCES                                 |
| ROCK ISLAND ARSENAL MUSEUM<br>ATTN: SMCRI-PCA-M, BLDG 60<br>ROCK ISLAND, IL 61299                                   | CHRIS LEINICKE                                  | (309) 794-5021 | TECHNICAL MANUALS                                 |

REFERENCE SOURCES

The following organizations and personnel are acknowledged for their support

| Organization   | Name                       | Telephone      | Nature of Support  |
|--|----------------------------|----------------|--|
| <u>GOVERNMENT</u>  |                            |                |  |
| <u>Army (cont.)</u>  |                            |                |  |
| U.S. MILITARY HISTORY<br>INSTITUTE<br>ARCHIVES BRANCH<br>CARLISLE BARRACKS<br>CARLISLE, PA 17013 | RICHARD SOMMERS            | (717) 245-3601 | NO RELEVANT INFORMATION  |
| U.S. MILITARY HISTORY<br>INSTITUTE PHOTO ARCHIVES<br>CARLISLE BARRACKS<br>CARLISLE, PA 17013     | MIKE WINEY                 | (717) 245-3434 | NO RELEVANT INFORMATION  |
| <u>Air Force</u>   |                            |                |  |
| AIR FORCE HISTORICAL RESEARCH<br>AGENCY (AFHRA)<br>600 CHENNAULT DRIVE<br>MAXWELL AFB, AL 36112  | JOE CAVER                  | (334) 953-2395 | HISTORICAL INFORMATION ON AFBS                                 |
| AIR FORCE HISTORICAL RESEARCH<br>AGENCY (AFHRA)<br>600 CHENNAULT DRIVE<br>MAXWELL AFB, AL 36112  | IRIS SYSTEM                | (334) 953-2437 | MICROFILM INFORMATION  |
| 95 <sup>TH</sup> CEG/CED<br>EDWARDS AFB, CA  | MSGT HEPNER<br>TSGT GLINKA | (805) 277-2162 | SEE INTERVIEW I-4  |
| AIR FORCE BASES  | PUBLICATION                |                | SOME HISTORICAL BACKGROUND ON<br>VICTORVILLE AAF               |
| AIR UNIVERSITY LIBRARY<br>600 CHENNAULT CIRCLE<br>MAXWELL AFB, AL 36112                          | LEROY BELL                 | (334) 953-2888 | NO RELEVANT INFORMATION  |
| ARMY AIR FORCES INSTALLATIONS<br>DIRECTORY - CONUS   | PUBLICATION                |                | SOME INFORMATION ON VICTORVILLE<br>AAF AND ITS BOMBING TARGETS |
| DEVELOPMENT OF AAF BASE<br>FACILITIES IN THE U.S. 1939-45  | PUBLICATION                |                | SOME INFORMATION ON VICTORVILLE<br>AAF AND ITS BOMBING TARGETS |

REFERENCE SOURCES

The following organizations and personnel are acknowledged for their support

| Organization   | Name                              | Telephone      | Nature of Support   |
|--|-----------------------------------|----------------|---|
| <u>GOVERNMENT</u>  |                                   |                |   |
| <u>Navy</u>  |                                   |                |   |
| WASHINGTON NAVAL YARD<br>OPERATIONAL ARCHIVES<br>BUILDING 57<br>WASHINGTON, DC 20374   | STAFF                             | (202) 433-3171 | SEE APPENDIX B, SECTION II,<br>PARTS A AND B                                  |
| MARINE CORPS HISTORICAL CENTER<br>BLDG 58<br>WASHINGTON NAVY YARD<br>WASHINGTON, DC 20374  | STAFF                             | (202) 433-3483 | SEE APPENDIX B, SECTION II,<br>PARTS A AND B                                  |
| USMC<br>EOD UNIT, MCAGCC<br>29 PALMS, CA 92272   | MAJ ALLSTON                       | (760) 830-7215 | NO RECORDS INDICATING AN OE<br>RESPONSE TO ANY VICTORVILLE<br>BOMBING TARGETS |
| NAVEODTECHDIV<br>TECHNICAL LIBRARY<br>2008 STUMP NECK ROAD<br>INDIAN HEAD, MD 20640-5070   | BETTY ARBOGHAST<br>DAWN RISKO     | (301) 743-6834 | NAVY PUBLICATIONS   |
| NAVAL CONSTRUCTION BN CENTER<br>CODE 10H, NAVFAC HISTORIAN<br>10 23 <sup>RD</sup> AVE.<br>PORT HUENEME, CA 93403                           | DR. VINCE TRANSANO<br>CAROL WALSH | (805) 982-5913 | NO RELEVANT INFORMATION   |
| NAVAL CONSTRUCTION BN CENTER<br>TECHNICAL INFO CENTER<br>ATTN: CODE 72<br>1100 1023 <sup>RD</sup> AVENUE<br>PORT HUENEME, CA 93043-4370    | BRIAN THOMPSON                    | (805) 982-1124 | NO RELEVANT INFORMATION   |
| NAVAL CONSTRUCTION BN CENTER<br>CIVIL ENGINEERING SUPPORT<br>OFFICE, ATTN: CODE 15<br>1000 23 <sup>RD</sup> AVE.<br>PORT HUENEME, CA 93043 | MONA LEON-GUERRERO                | (805) 982-3057 | NO RELEVANT INFORMATION   |

REFERENCE SOURCES

The following organizations and personnel are acknowledged for their support

| Organization  | Name                       | Telephone      | Nature of Support                             |
|---|----------------------------|----------------|---|
| <u>GOVERNMENT</u>   |                            |                |   |
| <u>National Archives and Records Administration</u>   |                            |                |   |
| NARA-PACIFIC REGION (LAGUNA NIGUEL)<br>24000 AVILA RD<br>LAGUNA NIGUEL, CA 92607                            | SUZANNE DEWBERRY           | (714) 360-2641 | SEE APPENDIX B, SECTION III,<br>PARTS A AND B |
| NARA - PACIFIC REGION (SAN FRANCISCO)<br>1000 COMMODORE DRIVE<br>SAN BRUNO, CA 94066-2350                   | BILL GREENE<br>LISA MILLER | (415) 876-9015 | SEE APPENDIX B, SECTION III,<br>PARTS A AND B |
| NATIONAL ARCHIVES<br>ARCHIVES I (MODERN MILITARY)<br>PENNSYLVANIA AVENUE & 7TH ST.<br>WASHINGTON, DC 20408  | STAFF                      | (202) 501-5385 | SEE APPENDIX B, SECTION II,<br>PARTS A AND B  |
| NATIONAL ARCHIVES, SUITLAND<br>BRANCH 4205 SUITLAND ROAD<br>(CIVIL AND MILITARY)<br>SUITLAND, MD 20408      | STAFF                      | (301) 457-7190 | SEE APPENDIX B, SECTION II,<br>PARTS A AND B  |
| NATIONAL ARCHIVES<br>ARCHIVES I (NAVY)<br>PENNSYLVANIA AVE. & 7TH<br>WASHINGTON, DC 20408                   | STAFF                      | (202) 501-5671 | SEE APPENDIX B, SECTION II,<br>PARTS A AND B  |
| NARA - ARCHIVES I<br>(OLD MILITARY)<br>PENNSYLVANIA AVE. & 7TH<br>WASHINGTON, DC 20408                      | STAFF                      | (202) 501-5390 | SEE APPENDIX B, SECTION II,<br>PARTS A AND B  |
| WASHINGTON NATIONAL RECORDS<br>CENTER<br>4205 SUITLAND ROAD<br>SUITLAND, MD 20409                           | STAFF                      | (301) 457-7000 | SEE APPENDIX B, SECTION II,<br>PARTS A AND B  |
| NATIONAL ARCHIVES, ARCHIVES II<br>(CARTOGRAPHIC/ARCHITECTURAL)<br>8601 ADELPHI RD<br>COLLEGE PARK, MD 20740 | STAFF                      | (301) 713-7040 | SEE APPENDIX B, SECTION II,<br>PARTS A AND B  |

REFERENCE SOURCES

The following organizations and personnel are acknowledged for their support

| Organization   | Name            | Telephone      | Nature of Support                             |
|--|-----------------|----------------|---|
| <u>GOVERNMENT</u>  |                 |                |   |
| <u>National Archives and Records Administration (cont.)</u>  |                 |                |   |
| NATIONAL ARCHIVES, ARCHIVES II<br>(CIVIL REFERENCE BRANCH)<br>8601 ADELPHI RD<br>COLLEGE PARK, MD 20740  | STAFF           | (301) 713-7250 | SEE APPENDIX B, SECTION II,<br>PARTS A AND B  |
| NATIONAL ARCHIVES, ARCHIVES II<br>(MOTION PICTURE BRANCH)<br>8601 ADELPHI ROAD<br>COLLEGE PARK, MD 20740 | STAFF           | (301) 713-7060 | SEE APPENDIX B, SECTION II,<br>PARTS A AND B  |
| NATIONAL ARCHIVES, ARCHIVES II<br>(STILL PICTURE BRANCH)<br>8601 ADELPHI ROAD<br>COLLEGE PARK, MD 20740  | STAFF           | (301) 713-6660 | SEE APPENDIX B, SECTION II,<br>PARTS A AND B  |
| NATIONAL ARCHIVES<br>ARCHIVES II (TEXTUAL BRANCH)<br>8601 ADELPHI ROAD<br>COLLEGE PARK, MD 20740         | STAFF           | (301) 713-7250 | SEE APPENDIX B, SECTION II,<br>PARTS A AND B  |
| NATIONAL PERSONNEL RECORDS<br>CENTER<br>9700 PAGE AVE<br>ST. LOUIS, MO 63132-5100                        | WILSON SULLIVAN | (314) 538-4085 | SEE APPENDIX B, SECTION III,<br>PARTS A AND B |
| <u>Library of Congress</u>   |                 |                |   |
| LIBRARY OF CONGRESS<br>GEOGRAPHY AND MAP DIVISION<br>WASHINGTON, DC 20536                                | STAFF           | (202) 707-5522 | SEE APPENDIX B, SECTION II,<br>PARTS A AND B  |
| <u>Smithsonian Institution</u>   |                 |                |   |
| SMITHSONIAN INSTITUTION<br>HISTORICAL RESEARCH DIVISION<br>WASHINGTON, DC 20560                          | STAFF           | (202) 357-3133 | SEE APPENDIX B, SECTION II,<br>PARTS A AND B  |

REFERENCE SOURCES

The following organizations and personnel are acknowledged for their support

| Organization   | Name                           | Telephone      | Nature of Support                            |
|--|--------------------------------|----------------|--|
| <u>GOVERNMENT</u>  |                                |                |  |
| <u>Department of Agriculture</u>   |                                |                |  |
| USDA<br>CONSOLIDATED FARM SERVICE<br>AGENCY<br>44811 DATE AVENUE<br>WEST LANCASTER, CA 93534                                   | DOUG BRAND<br>HOLLEEN          | (805) 942-9549 | AERIAL PHOTOS                                |
| USDA<br>NATURAL RESOURCE CONSERVATION<br>SERVICE<br>18484 HIGHWAY, SUITE 195<br>APPLE VALLEY, CA 92307                         | JACKIE LINDGREN<br>RICK AGUAYO | (760) 242-2906 | SOIL SURVEY INFORMATION AND<br>AERIAL PHOTOS |
| USDA<br>NATURAL RESOURCES CONSERVATION<br>SERVICE<br>P.O. BOX 788115<br>BLDG 1456, GRIFFIN ROAD<br>TWENTY-NINE PALMS, CA 92278 | JOHN RULE                      | (760) 830-7011 | AERIAL PHOTOS AND MAPS                       |
| USDA, AERIAL PHOTOGRAPHY FIELD<br>OFFICE<br>P.O. BOX 30010<br>2222 WEST 2300 SOUTH<br>SALT LAKE CITY, UT 84131-0010            | SHERRIE HOLYOAK                | (801) 975-3503 | AERIAL PHOTOS AFTER 1956                     |
| <u>Department of Commerce</u>  |                                |                |  |
| NOAA<br>NATIONAL CLIMATIC DATA CENTER<br>FEDERAL BUILDING<br>ASHVILLE, NC 28801  | YOLANDA GOOSCH<br>SAM McCOWAN  | (704) 271-4272 | LOCAL CLIMATOLOGICAL DATA<br>REPORTS         |
| NOAA<br>AIR FORCE WEATHER SERVICE<br>151 PATTON AVENUE, ROOM 120<br>ASHVILLE, NC 28801   | JANET WALL                     | (704) 271-4404 | LOCAL CLIMATOLOGICAL DATA<br>REPORTS         |

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| Organization   | Name                           | Telephone      | Nature of Support             |
|--|--------------------------------|----------------|-------------------------------|
| <u>GOVERNMENT</u>  |                                |                |                               |
| <u>Department of Interior</u>  |                                |                |                               |
| DEPARTMENT OF INTERIOR<br>U.S. GEOLOGICAL SURVEY<br>EROS DATA CENTER<br>SIOUX FALLS, SD 57198          | CUSTOMER SERVICE               | (605) 594-6151 | AERIAL PHOTOS                 |
| USGS<br>DENVER FEDERAL CENTER<br>P.O. BOX 25286<br>DENVER, CO 80225                                    | ROGER COMPTON                  | (303) 202-4700 | SOURCE OF TOPOGRAPHICAL MAPS  |
| BUREAU OF LAND MANAGEMENT<br>BARSTOW RESOURCE AREA<br>150 COOLWATER LANE<br>BARSTOW, CA 92311          | TIM REAB                       | (619) 255-8700 | REAL ESTATE RECORDS           |
| BUREAU OF LAND MANAGEMENT<br>BARSTOW FIELD OFFICE<br>BARSTOW, CA                                       | JERRY BRONSON                  | (760) 252-6075 | SEE INTERVIEW I-2             |
| U.S. GEOLOGICAL SURVEY, (ESIC)<br>BOX 25046, BLDG 810<br>DENVER FEDERAL CENTER<br>DENVER, CO 80225     | PAULA ERICKSON<br>STEVE REITER | (303) 202-4200 | ORTHOPHOTOQUADS               |
| BUREAU OF LAND MANAGEMENT<br>6221 BOX SPRINGS BLVD<br>RIVERSIDE, CA 92507                              | JOHN KEYES                     | (909) 697-5383 | REFERENCES                    |
| U.S. FISH AND WILDLIFE SERVICE<br>ECOLOGICAL SERVICES<br>2493 PORTOLA RD, SUITE B<br>VENTURA, CA 93003 | RAY BRANFIELD                  | (805) 644-1766 | ENDANGERED/THREATENED SPECIES |
| <u>State</u>   |                                |                |                               |
| CALIFORNIA STATE ARCHIVES<br>1020 EAST O ST.<br>SACRAMENTO, CA 92415                                   | MR. METZER                     | (916) 653-2246 | PROVIDED REFERRALS.           |

REFERENCE SOURCES

The following organizations and personnel are acknowledged for their support

| Organization  | Name                              | Telephone  | Nature of Support                     |
|---|-----------------------------------|--|---------------------------------------|
| <u>GOVERNMENT</u>   |                                   |  |                                       |
| <u>State</u>  |                                   |  |                                       |
| CALIFORNIA STATE HISTORIC PRESERVATION OFFICE<br>SAN BERNARDINO ARCHAEOLOGICAL INFORMATION CENTER<br>2024 ORANGE TREE LANE<br>REDLAND, CA 92374 | ROBIN LASKA                       | (909) 792-1497   | INFO ON HISTORICAL/CULTURAL RESOURCES |
| CALIFORNIA STATE LIBRARY<br>CALIFORNIA HISTORY SECTION<br>914 CAPITOL HALL<br>LIBRARY AND COURTS BLDG<br>SACRAMENTO, CA 94237-0001              | JOHN GONZALES<br>SYBYLLE ZEMITIS  | (916) 654-0176   | NO RELEVANT INFORMATION               |
| CALIFORNIA STATE LIBRARY<br>GOVERNMENT DOCUMENTS SECTION<br>914 CAPITOL HALL<br>LIBRARY AND COURTS BLDG<br>SACRAMENTO, CA 94237-0001            | BRENT MURPHY                      | (916) 654-0069   | NO RELEVANT INFORMATION               |
| CALIFORNIA STATE UNIVERSITY<br>SAN BERNARDINO LIBRARY<br>5500 UNIVERSITY PARKWAY<br>SAN BERNADINO, CA 92407                                     | REFERENCE<br>LIBRARIAN            | (909) 880-5084   | NO RELEVANT INFORMATION               |
| STATE OF CALIFORNIA<br>DEPARTMENT OF FISH AND GAME<br>1416 9 <sup>TH</sup> STREET<br>SACRAMENTO, CA 95814                                       | INTERNET                          | <a href="http://www.dfg.ca.gov/Endangered/endangered.html">http:// www.dfg.ca.gov/Endangered/endangered.html</a> | ENDANGERED SPECIES INFO               |
| UNIVERSITY OF CALIFORNIA<br>P.O. BOX 19557<br>IRVINE, CA 92110  | REFERENCE DESK                    | (714) 824-6836   | NO RELEVANT INFORMATION               |
| UNIVERSITY OF CALIFORNIA<br>GOVERNMENTS DOCUMENTS DEPT.<br>P.O. BOX 19557<br>IRVINE, CA 92110   | JEFF SCHNNEIDEWIND<br>KAY COLLINS | (714) 824-7234   | NO RELEVANT INFORMATION               |

REFERENCE SOURCES

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| Organization   | Name  | Telephone      | Nature of Support        |
|--|---|----------------|--------------------------|
| <u>GOVERNMENT</u>  |   |                |                          |
| <u>State (cont.)</u>   |   |                |                          |
| UNIVERSITY OF CALIFORNIA<br>ARCHIVES<br>P.O. BOX 19557<br>IRVINE, CA 92713                                       | MARY ELLEN GODDARD                              | (714) 824-7193 | NO RELEVANT INFORMATION  |
| <u>Local</u>   |   |                |                          |
| SAN BERNARDINO COUNTY ARCHIVES<br>777 EAST RIALTO AVE<br>SAN BERNARDINO, CA 92415                                | JIM HOFFER                                      | (909) 387-2030 | NO RELEVANT INFORMATION  |
| SAN BERNARDINO COUNTY ASSESSOR<br>172 WEST 3 <sup>RD</sup> ST<br>SAN BERNARDINO, CA 92415                        | MAUREEN   | (909) 387-8307 | PLAT MAPS                |
| SAN BERNARDINO COUNTY FLOOD<br>CONTROL<br>825 EAST 3 <sup>RD</sup> ST<br>SAN BERNARDINO, CA 92415                | GARY DUNCAN                                     | (909) 387-2529 | AERIAL PHOTOS            |
| SAN BERNARDINO COUNTY LIBRARY<br>VICTORVILLE BRANCH<br>15011 CIRCLE DRIVE<br>VICTORVILLE, CA 92392               | MR. BOOKER                                      | (619) 245-4222 | NO RELEVANT INFORMATION  |
| SAN BERNARDINO COUNTY LIBRARY<br>LUCERNE VALLEY BRANCH<br>33103 OLD WOMAN SPRINGS RD<br>LUCERNE VALLEY, CA 92356 | REFERENCE DESK                                  | (619) 248-7521 | NO RELEVANT INFORMATION  |
| SAN BERNARDINO COUNTY MUSEUM<br>2024 ORANGE TREE LANE<br>REDLANDS, CA 92374                                      | ROBIN LASKE<br>NOELLA BENVENUTI<br>PAMELA FROST | (909) 798-8570 | REFERRALS.               |
| SAN BERNARDINO COUNTY PLANNING<br>385 NORTH ARROWHEAD AVE<br>SAN BERNARDINO, CA 92415                            | MARLA TAUB                                      | (909) 387-4131 | LAND USE AND HAZARD INFO |

REFERENCE SOURCES

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| Organization   | Name                                | Telephone      | Nature of Support             |
|--|-------------------------------------|----------------|-------------------------------|
| <u>GOVERNMENT</u>  |                                     |                |                               |
| <u>Local (cont.)</u>   |                                     |                |                               |
| SAN BERNARDINO COUNTY<br>SHERIFF'S DEPARTMENT<br>BARSTOW STATION<br>225 E. MOUNTAINVIEW<br>BARSTOW, CA 92311 | SGT JECUSCO                         | (760) 256-4841 | INFORMATION REFERRALS.        |
| SAN BERNARDINO COUNTY SHERIFF<br>AND BOMB SQUAD<br>655 EAST 3 <sup>RD</sup> ST<br>SAN BERNARDINO, CA 92415   | TOM ALSKY<br>BILL MYERS<br>BOB HALL | (909) 387-3598 | INFORMATION SEE INTERVIEW I-1 |
| SAN BERNARDINO PUBLIC LIBRARY<br>555 WEST 6 <sup>TH</sup> ST<br>SAN BERNARDINO, CA 92415                     | CHRIS SHOVEY                        | (909) 381-8208 | NO RELEVANT INFORMATION       |
| <u>NON-GOVERNMENT</u>  |                                     |                |                               |
| <u>National</u>  |                                     |                |                               |
| COUNCIL ON AMERICA'S PAST<br>518 WHY WORRY LANE<br>PHOENIX, AZ 85021   | HELIOGRAM                           | (800) 396-4693 | PUBLICATION                   |
| KNIGHT-RIDDER INFORMATION INC.<br>2440 EL CAMINO REAL<br>MOUNTAIN VIEW, CA 94040                             | COMPUTER SEARCH<br>(DIALOG)         | (800) 334-2564 | NO RELEVANT INFORMATION       |
| NORTHERN ILLINOIS LIBRARY<br>SYSTEM<br>4034 EAST STATE ST.<br>ROCKFORD, IL 61108                             | COMPUTER SEARCH<br>(NILS)           | (815) 229-0330 | NO RELEVANT INFORMATION       |
| ONLINE COMPUTER LIBRARY CENTER<br>6565 FRANTZ ROAD<br>DUBLIN, OH 43017-3395                                  | COMPUTER SEARCH<br>(OCLC)           | (800) 848-5878 | NO RELEVANT INFORMATION       |
| SCIENTIFIC AND TECHNICAL<br>INFORMATION LIBRARY SYSTEM<br>689 DISCOVERY DRIVE<br>HUNTSVILLE, AL 35806        | COMPUTER SEARCH<br>(STILAS)         | (205) 922-9820 | NO RELEVANT INFORMATION       |

REFERENCE SOURCES

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| Organization   | Name                      | Telephone      | Nature of Support                                |
|--|---------------------------|----------------|--|
| <u>NON-GOVERNMENT</u>  |                           |                |  |
| <u>National</u>  |                           |                |  |
| COAST DEFENSE STUDY GROUP, INC.<br>731 BALTIMORE PIKE<br>BEL AIR, MD 21014     |                           |                | PUBLICATION - NO SITE SPECIFIC<br>INFORMATION    |
| WORLD WAR II SITES IN THE U.S.   | RICHARD OSBORNE<br>AUTHOR |                | GENERAL INFORMATION ON FORMER<br>VICTORVILLE AAF |
| <u>Local</u>   |                           |                |  |
| EDWARD LASKA<br>19446 CORWIN RD<br>APPLE VALLEY, CA 92307                      | EDWARD LASKA              | (619) 242-5746 | STATIONED AT VICTORVILLE                         |
| GLENN BROOKS<br>3109 N. GLENVALLEY DR<br>MIDWEST CITY, OK 73110                | GLENN BROOKS              | (405) 732-8877 | INFORMATION SEE INTERVIEW I-5                    |
| OWEN COOPER<br>40 OAK SHADOWS CT<br>BALTIMORE, MD 21228                        | OWEN COOPER               | (410) 747-5991 | INFORMATION SEE INTERVIEW I-6                    |
| ARDA HAENSZAL<br>809 STANDISH WAY<br>REDLANDS, CA 92373                        | ARDA HAENSZAL             | (909) 798-0550 | LOCAL HISTORIAN                                  |
| CALIFORNIA HISTORICAL SOCIETY<br>678 MISSION STREET<br>SAN FRANCISCO, CA 94105 | BETH GRAHAM               | (415) 357-1848 | NO RELEVANT INFORMATION                          |
| JOHN DARR<br>CHEYENNE, WY  | JOHN DARR                 | (307) 635-2924 | NO RELEVANT INFORMATION                          |
| JOHN LYNCH<br>518 WHY WORRY LANE<br>PHOENIX, AZ 85021                          | JOHN LYNCH                | (602) 249-3974 | NO RELEVANT INFORMATION                          |

REFERENCE SOURCES

The following organizations and personnel are acknowledged for their support

| Organization   | Name                                     | Telephone      | Nature of Support                          |
|--|--|----------------|--|
| <u>NON-GOVERNMENT</u>  |  |                |  |
| <u>Local (cont.)</u>   |  |                |  |
| SAN BERNARDINO VISITOR AND<br>CONVENTION BUREAU<br>201 NORTH E. STREET<br>SAN BERNARDINO, CA 93063 | CHRISTINE                                | (909) 889-8937 | GENERAL INFO OF THE AREA                   |
| STATE HISTORICAL SOCIETY OF<br>WISCONSIN LIBRARY<br>816 STATE STREET<br>MADISON, WI 53706          | STAFF                                    | (608) 264-6534 | INFORMATION OLD NEWSPAPERS                 |
| THE ARMY AIR FORCES IN WORLD<br>WAR II - VOLUME SIX<br>MEN AND PLANES                              | WESLEY FRANK<br>CRAVEN<br>JAMES LEA CATE |                | PUBLICATION-INFO ON BOMBARDIER<br>TRAINING |
| VICTORVILLE CHAMBER OF COMMERCE<br>14174 GREENTREE BOULEVARD<br>VICTORVILLE, CA 92392              | SALLY MARTINEZ                           | (760) 245-6506 | GENERAL INFO OF THE AREA                   |
| VICTORVILLE MUSEUM<br>11873 APPLE VALLEY RD<br>APPLE VALLEY, CA 92307                              | WALTER DAY<br>WAYNE FOWLIE               | (619) 240-2111 | NO RELEVANT INFORMATION                    |
| MOJAVE HISTORICAL SOCIETY<br>P.O. BOX 68<br>VICTORVILLE, CA 92392                                  |  |                | PROVIDED REFERRALS                         |

ORDNANCE AND EXPLOSIVES  
ARCHIVES SEARCH REPORT  
FOR  
VICTORVILLE PRECISION BOMBING RANGE (PBR) NO. 5  
VICTORVILLE, CALIFORNIA  
PROJECT NUMBER J09CA069001

APPENDIX B

REFERENCES AND ABSTRACTS

APPENDIX B

REFERENCES AND ABSTRACTS

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|             | PART B NEGATIVE FINDINGS               |

## APPENDIX B

### SECTION I: BIBLIOGRAPHY

B-1 Army Regulation (AR) 200-1, Environmental Quality, Environmental Protection and Enhancement, DA, 23 April 1990

B-2 Management Plan for ORDNANCE AND EXPLOSIVES (OEW) Mandatory Center of Expertise (MCX) and Design Center, CEHND 1105-3-9, U.S. Army Corps of Engineers, Huntsville Division, dated 10 August 1992.

B-3 Site Safety Plan for OEW Investigations, U.S. Army Corps of Engineers, Rock Island District, dated 25 June 92, W/ Appendix A-209.

B-4 NAVSEA OP 1664 Volume 1, U.S. Explosive Ordnance, U.S. Navy Bureau of Ordnance, 28 May 1947. (D-1 & Table 8-1)

B-5 Inventory Project Report, DERP FUDS, OEW Site No. J09CA069001, dated May 1996. (E-1 through E-3)

B-6 Letter, U.S. Department of the Interior, Fish and Wildlife Service, Ventura Fish and Wildlife Office to the Defense Ammunition Center, 19 December 1997, Subject: Species List for the former Victorville Precision Bombing Range, San Bernardino County, California. (F-1)

B-7 Letter, California Archaeological Inventory, Archaeological Information Center, San Bernardino County Museum to the Defense Ammunition Center, 11 November 1997, Subject: Cultural Resources at Victorville Precision Bombing Ranges. (F-2)

B-8 Letter, United States Engineer Office, Los Angeles, California, 4 April 1942, NPRC, ST. Louis, MO. (F-3)

B-9 Document, History of Victorville Army Air Field, Victorville, California, dated 1 November-31 December 1944, AFHRA, Maxwell AFB, AL. (F-4)

B-10 Letter, Corps of Engineers, Air Installation Office March Field, Riverside, California, dated 25 October 1947, NARA Archives II. (F-5)

B-11 Document, Department of the Army, Office of the Deputy Director of Service, Supply and Procurement, Washington D.C., Declaration of Excess, 14 January 1948, NARA, Pacific Region Laguna Niguel, CA. Record Group 77. (F-6)

B-12 Document, Department of the Army, Office of the Chief of Engineers, 9200th TSU-CE, Detachment #15, Bomb and Shell Disposal Team, Dedudding Report for Victorville PBRs # 2, 4, 5, & 18, 17 June 1948, AFHRA, Maxwell AFB, AL. (F-7)

B-13 Document, Corps of Engineers, Assistant Chief of Engineers for Real Estate, 1 November 1948, NARA, Pacific Region Laguna Niguel, CA. (F-8)

B-14 Letter, South Pacific Division Historical File Summary for Victorville Precision Bombing Range No. 5, Victorville, California, March 1954. (F-9)

B-15 Aerial photographs of Victorville PBR #5, dated 16 June 1989. (K-1 and K-2)

B-16 Maps, Historical Record of Victorville Army Air Field, dated 1 January to 1 March 1944, AFHRA, Maxwell AFB, AL. (L-1 and L-2)

SECTION II  
NATIONAL CAPITAL REGION ARCHIVES FINDINGS  
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POSITIVE FINDINGS

VICTORVILLE PRECISION BOMBING RANGE NO. 5, CA

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

***CENTER FOR AIR FORCE HISTORY  
WASHINGTON, DC***

Microfilm Collection

- Rolls B2647 thru B2649  
Comprehensive History of Victorville Air Force Base, Victorville, California, 1 November 1945 -31 December 1948
- Rolls B2647 thru B2649  
Historical Record of Victorville Army Airfield, Victorville, California, 1 November 1944 to 31 December 1944
- Rolls B2647 thru B2649  
Historical Record of Victorville Army Airfield, Victorville, California, From 8 December 1941 to 1 January 1943
- Rolls B2647 thru B2649  
Historical Record of Victorville Army Airfield, Victorville, California, From 1 January 1943 to 1 March 1944
- Rolls B2647 thru B2649  
Historical Record of 3035th A.A.F. Base Unit, Victorville Army Airfield, Victorville, California, From 1 May 1944 to 30 June 1944
- Rolls B2647 thru B2649  
Historical Record of Victorville Army Airfield, Victorville, California, From 1 January 1939 to 7 December 1941
- Rolls B2647 thru B2649  
Historical Record of Victorville Army Airfield, Victorville, California, From 1 March 1944 to 30 April 1944

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WASHINGTON, DC***

Posts, Camps and Stations - WWII

Vol. XII (T-Z)  
Victorville, CA

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

RG 18 (Records of the Army Air Corps)

Entry 1: Security Classified File, 1944 - 1948  
Box 288  
Correspondence Relative to Proposed Additional Facilities Construction,  
Victorville Army Airfield, 7 November - 13 December 1944

Entry 1: Security Classified File, 1944 - 1948  
Box 289  
Tentative List of Stations for Planning on the Installation of Instruments  
Approach Systems, Army Air Forces Training Command

Entry 1: Security Classified File, 1944 - 1948  
Box 292  
Non-Use Report, Victorville Army Airfield, Including Detailed List of  
Facilities and Real Estate Data on Bombing Ranges, 1 October 1945

Entry 1: Security Classified Decimal File, 1944 - 1948  
Box 558  
Rolled Map, Army Air Forces Bombing and Gunnery Ranges within the  
Continental United States, 1 May 1945

Entry 2: Air Adjutant General's Unclassified Decimal File, 1944 - 1946  
Box 2247  
Memorandum Relative to Proposed Assignment of Victorville Precision  
Bombing Ranges to Fourth Air Force, 6 February 1946

Entry 2: Air Adjutant General's Unclassified Decimal File, 1944 - 1946  
Box 2247  
Memoranda Relative to Policy Regarding Decontamination of Bombing  
and Gunnery Ranges, 9 August - 19 September 1946

VICTORVILLE PRECISION BOMBING RANGE NO. 5, CA

Entry 2: Air Adjutant General's Unclassified Decimal File, 1944 - 1946  
Box 2248

Memorandum Relative to Bombing Range Status and Requirements,  
Victorville Army Airfield, 20 June 1944

Entry 2: Air Adjutant General's Unclassified Decimal File, 1944 - 1946  
Box 2281

Correspondence Relative to Status of Victorville Army Airfield,  
18 September - 4 October 1945

Entry 2: Air Adjutant General's Unclassified Decimal File, 1944 - 1946  
Box 2281

Memoranda Relative to Proposed Hangar Modifications, Victorville Army  
Airfield, 30 March - 21 May 1945

Entry 2: Air Adjutant General's Unclassified Decimal File, 1944 - 1946  
Box 2281

Memoranda Relative to Proposed Installation of Type E-1 Sonic Bomb  
Scoring Targets, Victorville Army Airfield, 27 March - 16 April 1945

Entry 2: Air Adjutant General's Unclassified Decimal File, 1944 -1946  
Box 2794

Memorandum Relative to Disposition of Victorville Precision Bombing  
Range No. 5, 29 July 1947

Entry 2: Air Adjutant General's Unclassified Decimal File, 1944 - 1946  
Box 2795

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  
Box 2798

Memoranda Relative to Declaration of Victorville Army Airfield as  
Excess Leased Property, 26 December 1946 - 18 February 1947

Entry 2: Air Adjutant General's Unclassified Decimal File, 1944 - 1946  
Box 2798

Memoranda Relative to Real Property Disposal, Victorville Army  
Airfield, 5 June - 21 November 1947

Entry 2: Air Adjutant General's Unclassified Decimal File, 1944 - 1946  
Box 2798

Memoranda Relative to Adverse Conditions, Including Presence of  
Unexploded Bombs at Victorville Army Airfield Bomb Targets,  
31 January - 27 February 1947

VICTORVILLE PRECISION BOMBING RANGE NO. 5, CA

Entry 292: Air Adjutant General's Unclassified Central Decimal File, Oct 1942 - 1944

Box 1592

Rolled Map, Bombing Range Target, V.A.F.S., Victorville, CA

Entry 292: Air Adjutant General's Unclassified Central Decimal File, Oct 1942 - 1944

Box 1592

Correspondence Relative to Bombing and Gunnery Range Requirements, Victorville Army Airfield, 6 October - 13 November 1943

Entry 292: Air Adjutant General's Unclassified Central Decimal File, Oct 1942 - 1944

Box 1641

Range Data, Victorville Army Airfield

Entry 294: Air Adjutant General's Security Classified Decimal File, Oct 1942 - 1944

Box 785

Real Property Utilization Report, Victorville Army Airfield, 2 August 1944

Entry 294: Air Adjutant General's Security Classified Decimal File, Oct 1942 - 1944

Box 785

Real Property Utilization Report, Victorville Army Airfield, 4 September 1944

Entry 294: Air Adjutant General's Security Classified Decimal File, Oct 1942 - 1944

Box 873

List, Post War Air Force Training Installations, Victorville Army Airfield

Entry 295: Correspondence Relating to Airfields, 1939 - 1942

Box 1834

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

Entry 295: Correspondence Relating to Airfields, 1939 - 1942

Box 1834

Memoranda Relative to Acquisition of Government Owned Land for Victorville Flying School Bombing Ranges, 3 February - 14 March 1942

VICTORVILLE PRECISION BOMBING RANGE NO. 5, CA

Entry 295: Correspondence Relating to Airfields, 1939 - 1942  
Box 1835

Correspondence Relative to Real Estate Acquisition, Victorville Army  
Flying School Bombing Ranges, 23 June - 19 August 1942

RG 48 (Records of the Office of the Secretary of the Interior)

Entry 749B: Central Classified Correspondence, 1937 - 1953  
Box 3220

Letter Relative to Real Estate Acquisition, Victorville Precision Bombing  
Ranges, 21 April 1943

Entry 749B: Central Classified Correspondence, 1937 - 1953  
Box 3220

Proposed Public Order Withdrawing Public Land for Use by War  
Department as Bombing Target Sites, Victorville Precision Bombing  
Ranges, 24 April 1943

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

Entry 1011: Security Classified Subject Files, 1940 - 1945  
Box 855

Correspondence and Report Relative to Additional Facilities Construction,  
Victorville Army Airfield, 6 October 1944 - 31 March 1945

Entry 1011: Security Classified Subject Files, 1940 - 1945  
Box 855

Contract Documents, Victorville Military Airport Bombing Target  
Construction, 31 December 1941 - 5 March 1942

Entry 1023: General Correspondence Relating to Airfields, Part II, Progress  
Reports, 1940 - 1945  
Box 69

Construction Program at Air Corps Stations, Advanced Twin Engine  
School, Victorville, California, 1 - 15 June 1941

Entry 1023: General Correspondence Relating to Airfields, Part II, Progress  
Reports, 1940 - 1945  
Box 80

Construction Program at Air Corps Stations, Advanced Twin Engine  
School, Victorville, California, 15 September 1941

VICTORVILLE PRECISION BOMBING RANGE NO. 5, CA

Entry 1023: General Correspondence Relating to Airfields, Part II, Progress Reports, 1940 - 1945

Box 85

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

Entry 1023: General Correspondence Relating to Airfields, Part II, Progress Reports, 1940 -1945

Box 90

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

Entry 1023: General Correspondence Relating to Airfields, Part II, Progress Reports, 1940 -1945

Box 105

Construction Program at Air Corps Stations, Advanced Twin Engine Flying School - Victorville, California, 31 January 1942

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

Entry 102: Office, Administrative Assistant to the Secretary of War, Project Decimal File, 1943 - 1946

Box 133

Correspondence Relative to Real Estate Acquisition, Victorville Army Airfield, 9 - 27 April 1943

RG 160 (Records of the Army Service Forces)

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

Box 19

Draft Circular, "Neutralization of Unexploded Ammunition and Duds"

RG 341 (Records of Headquarters U.S. Air Force)

Entry 494: Correspondence Regarding AF Real Estate Facilities, 1948 - 1955

Box 46

Letters Relative to Proposed Reactivation, Victorville Air Force Base, 18 - 25 October 1948

Entry 494: Correspondence Regarding AF Real Estate Facilities, 1948 - 1955

Box 46

Correspondence Relative to Status of Victorville Air Force Base, 29 October - 12 November 1948

VICTORVILLE PRECISION BOMBING RANGE NO. 5, CA

Entry 494: Correspondence Regarding AF Real Estate Facilities, 1948 - 1955  
Box 46

Memoranda Relative to Declaration of Victorville Precision Bombing  
Range No. 5 as Excess, 25 October 1947 - 14 January 1948

Entry 494: Correspondence Regarding AF Real Estate Facilities, 1948 - 1955  
Box 46

Letters Relative to Status, Victorville Air Force Base, 19 April - 7 May  
1948

RG 429 (Records of the Organizations in the Executive Office of the President)

Entry 12: Central Real Property Surveys  
Box 47

Department of Defense Installation Survey Report, George Air Force  
Base, Victorville, California, 24 October 1973

***U.S. ARMY CORPS OF ENGINEERS - OFFICE OF HISTORY  
ALEXANDRIA, VA***

Real Estate Records

Realty Control File Summary Sheet  
Victorville Precision Bombing Range No. 5

SECTION II  
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NEGATIVE FINDINGS

VICTORVILLE PRECISION BOMBING RANGE NO. 5, CA

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

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Historical Data Cards  
Posts, Camps, and Stations File

***LIBRARY OF CONGRESS - GEOGRAPHY AND MAP DIVISION  
WASHINGTON, DC***

US Department of the Interior, Geological Surveys

***LIBRARY OF CONGRESS - STILL PHOTOS DIVISION  
WASHINGTON, DC***

Divisional Catalogs  
Geographic Catalogs  
Habs/Haer  
Stereographic Catalogs  
Subject Catalogs  
Videodisk Collection

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

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

RG 69 (Records of the Works Progress Administration)  
Entry: Central Decimal Files, 1935 - 1944

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

VICTORVILLE PRECISION BOMBING RANGE NO. 5, CA

RG 153 (Records of the Office of the Judge Advocate General)

Entry: Reservations File, 1800 - 1950

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

Entry 36: General Correspondence, 1915 - 1941

RG 162 (Records of the Federal Works Agency)

Entry 21: Records of the War Public Works Program, 1941 - 1949

RG 175 (Records of the Chemical Warfare Service)

Entry 1: Central Correspondence Files, 1918 - October 1942

Entry 4: Security and Confidential Central Correspondence Files, 1918 - 1942

RG 394 (Records of US Army Continental Commands, 1920 - 1942)

Entry: 9th Corps Area, Office of the Engineer

***NARA - ARCHIVES II - TEXTUAL BRANCH***

***COLLEGE PARK, MD***

RG 16 (Records of the Department of Agriculture)

Entry 17: General Correspondence of the Office of the Secretary of Agriculture, 1906 - 1975

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

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

RG 30 (Record of the Bureau of Public Roads)

Entry 54: Highway Traffic Advisory Committee to the War Department, 1941 - 1945

RG 57 (Records of the United States Geological Survey)

Entry 27: Correspondence and Related Records, 1906 - 1945

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

Entry 106B: General Correspondence, 1918 - 1945

Entry 1014: General Correspondence with Divisions, 1941 - 1945

Entry 1015: General Correspondence with Districts, 1941 - 1945

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

Entry 1892B: General Correspondence (Geographic File), 1946 - 1948

VICTORVILLE PRECISION BOMBING RANGE NO. 5, CA

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

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

Entry 1036B: Historical Files, 1908 - 1962

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

Entry 31: Geographic Series, 1938 - 1942

Entry 32: Geographic Series (Formerly Security Classified), 1938 - 1941

RG 115 (Records of the Bureau of Reclamation)

Entry 7: General Administrative and Program Files, 1919 - 1945

RG 159 (Records of the Office of the Inspector General)

Entry 26D: General Correspondence, 1939 - 1947

Entry 26E: General Correspondence (Confidential), 1939 - 1947

RG 160 (Records of Headquarters, Army Service Forces)

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

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

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

VICTORVILLE PRECISION BOMBING RANGE NO. 5, CA

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

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

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

Entry 484E: Security Classified Federal Works Agency Project Files, 1942 - 1945

Entry 484G: Federal Agencies Branch, Airport Development Project Files, 1940 - 1942

Entry 484K: Civil Aeronautics Administration Airport Development Program, 1940 - 1945

RG 168 (Records of the National Guard Bureau)

Entry 344: State Decimal File, 1922 - 1945

Entry 348: State Guard, State File, 1941 - 1949

RG 175 (Records of the Chemical Warfare Service)

Entry 2A: General Correspondence, 1942 - 1947

Entry 4A: Security Classified Correspondence, 1942 - 1945

RG 197 (Records of the Civil Aeronautics Board)

Entry 56B: Records Relative to Legislation, 1946 - 1954

RG 218 (Records of Joint Chiefs of Staff)

Entry: Series 1942 - 1959 (Geographic Files)

RG 250 (Records of the Office of War Mobilization and Reconversion)

Entry 73: Federal Construction Projects, August - October 1946

RG 269 (General Records of the General Services Administration)

Entry 62: Real Property Disposal Case Files, 1945 - 1953

RG 270 (Records of the War Assets Administration)

Entry 3: Office of Information Subject File, 1946 - 1949

RG 291 (Records of the Federal Property Resource Service)

Entry 5: Real Property Case Files, 1949 - 1962

RG 319 (Records of the Army Staff)

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

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

Entry: Historical Program Files, 1940 - 1950

VICTORVILLE PRECISION BOMBING RANGE NO. 5, CA

RG 337 (Records of Headquarters, Army Ground Forces)

Entry 16A: General Staff, G-3 Section, Administrative Division, Subject Correspondence File, 1942 - 1947, Uniform and Equipment to Western Defense Command

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

Entry 57A: General Headquarters, US Army Project Files, 1940 - 1942

RG 338 (Records of US Army Commands, 1942 -)

Entry: Ninth Service Command

Entry: Posts, Camps, and Stations

Entry: Western Defense Command

RG 340 (Records of the Office of the Secretary of the Air Force)

Entry 53: Air Coordinating Committee, General File, 1944 - 1950

RG 341 (Records of Headquarters, US Air Force)

Entry 336: Plans, Central Decimal File, 1942 - 1954

RG 342 (Records of US Air Force Commands, Activities, and Organizations)

Entry: "Sarah Clarke" Decimal Correspondence File

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

Entry: Classified Project Decimal File, 1940 - 1950

Entry: Formerly Classified Project Decimal File, 1940 - 1945

Entry 427: World War II Operations Reports, 1940 - 1948

RG 429 (Records of the Organizations in the Executive Office of the President)

Entry 17: Records of the Federal Property Council

***NARA - ARCHIVES II - CARTOGRAPHIC BRANCH  
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RG 18 (Records of the Army Air Corps)

RG 30 (Records of the Bureau of Public Roads)

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

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

RG 145 (Records of the Agricultural Stabilization and Conservation Service)

RG 342 (Records of U.S. Air Force Commands, Activities, and Organizations)

RG 373 (Records of the Defense Intelligence Agency)

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RG 30 (Records of the Bureau of Public Roads)

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

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

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

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

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

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Accession 077-53A-325

Accession 077-55A-323

Accession 077-57A-374

SECTION III  
REGIONAL NATIONAL ARCHIVES FINDINGS  
PART A  
POSITIVE FINDINGS

VICTORVILLE PBR NO. 5

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

RG 121, Records of the Public Building Service  
Accession #9NSS-121-85-001  
Box #46  
Memo, Subj: Short Form Appraisal, 3 February 1947

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

RG 18, Records of the Army Air Forces  
Accession #342-47A4227  
Box #06-23-58-9-5  
Dwg, Regional Map of VAAF & Satellite Facilities, Sept. 1943

RG 342, Records of U.S. Air Force Commands, Activities, and  
Organizations  
Accession #342-53A-4077  
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, Dedudding 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

Accession #077-64J0445

Box #48

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: Withdrawal of Victorville Bombing Targets from Surplus, 20 Mar 1946 w/Indorsements

Memo, Subj: Withdrawal of Victorville Bombing Targets from Surplus, 15 Apr 1946

Memo, Subj: Transfer of Surplus Facilities, Pacific Division No. 4197-3, 10 Jul 1946

Memo, Subj: Transfer of Victorville AAF Bombing Targets, 14 Feb 1947

Memo, Subj: Transfer of Victorville AAF Bombing Targets, 18 Feb 1947

Accession #077-96-133

Box #27

Realty Control File Summary, Undated

Certificate of Clearance, Undated

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

Memo, Subj: Declaration of Excess - Victorville Bombing  
Targets Nos. 2, 4, 5, and 18, 14 Jan 1946

Memo, Subj: Excess - Bombing Targets, Victorville,  
1 Feb 1946

Warning Notice, Declaring Bombing Target 5 as Surplus  
Property, 6 Feb 1946

Memo, Subj: Reclassification of Victorville Bombing Ranges,  
18 Apr 1946

Warning Notice, Declaring Bombing Target 5 as Reestablished,  
13 May 1946

Memo, Subj: Transfer of Surplus Facilities, Pacific Div, No.  
4197-3 (Victorville AAF), 11 Aug 1947

Military Acquisition Project Report, Victorville PBR #5,  
14 Nov 1947

Memo, Subj: Final Audit of Land Records re: Victorville  
PBR #5, 17 Dec 1947

Memo, Subj: Final Audit of Land Records re: Victorville  
PBR #5, 14 Jan 1948

Memo, Subj: Declaration Of Excess - Victorville Bombing  
Targets, 14 Jan 1948

Warning Notice, Declaring Bombing Target 5 as Surplus  
Property, 19 Jan 1948

Memo, From Chief of Engineers to BLM, Re: Public Land Order  
No. 125, 1 Nov 1948

Real Property Management and Disposal Report, Victorville  
PBR #5, 1 Jun 1954

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

SECTION III  
REGIONAL NATIONAL ARCHIVES FINDINGS  
PART B  
NEGATIVE FINDINGS

VICTORVILLE PBR NO. 5

***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 270, Records of the War Assets 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 PRECISION BOMBING RANGE (PBR) NO. 5  
VICTORVILLE, CALIFORNIA  
J09CA069001

APPENDIX C

GLOSSARY

## APPENDIX C

### GLOSSARY

|          |   |
|----------|---|
| AA       | Anti Aircraft   |
| AR       | Army Regulation   |
| BD       | Base Detonating   |
| BD/DR    | Building Demolition/Debris Removal                      |
| BLM      | Bureau of Land Management                               |
| CEG      | Civil Engineering Group                                 |
| CEHND    | U.S. Army Engineer, Huntsville Division                 |
| CEMVR    | U.S. Army Engineer, Rock Island District                |
| CERCLA   | Comprehensive Environmental Response, and Liability Act |
| CESPL    | Corps of Engineers, Los Angeles District                |
| CWM      | Chemical Warfare Material                               |
| CWO      | Chief Warrant Officer                                   |
| DA       | Department of Army                                      |
| DAC      | Defense Ammunition Center                               |
| DERA     | Defense Environmental Restoration Account               |
| DERP     | Defense Environmental Restoration Program               |
| DOD      | Department of Defense                                   |
| EOD      | Explosive Ordnance Disposal                             |
| EPA      | Environmental Protection Agency                         |
| FDE      | Findings and Determination of Eligibility               |
| FNH      | Flashless-nonhygroscopic                                |
| FS       | Feasibility Study                                       |
| FUDS     | Formerly Used Defense Site(s)                           |
| GSA      | General Services Administration                         |
| HTRW     | Hazardous, Toxic and Radiological Waste                 |
| INPR     | Inventory Project Report                                |
| IRP      | Installation Restoration Program                        |
| M        | Model Number  |
| MM or mm | Millimeter  |
| NARA     | National Archives Records Administration                |
| NAS      | Naval Air Station                                       |
| NC       | Nitrocellulose  |
| NH       | Nonhygroscopic  |
| NPS      | National Parks Service                                  |
| OE       | Ordnance and Explosive                                  |
| PA       | Preliminary Assessment                                  |
| PN       | Project Number  |
| PPM      | Parts Per Million                                       |

|         |   |
|---------|---|
| PRP     | Privately 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                  |
| R/P     | Rocket Projectile   |
| SARA    | Superfund Amendments and Reauthorization Act              |
| SCAR    | Sub-caliber Aerial Rocket                                 |
| SI      | Site Investigation or Site Inspection                     |
| TCRA    | Time Critical Removal Action                              |
| TM      | Technical Manual  |
| USA     | U.S. Army   |
| USACE   | U.S. Army Corps of Engineers                              |
| USACERL | U.S. Army Construction Engineering Research<br>Laboratory |
| USATCES | U.S. Army Technical Center for Explosives Safety          |
| UXO     | Unexploded Ordnance                                       |
| WD      | War Department  |

ORDNANCE AND EXPLOSIVE  
ARCHIVES SEARCH REPORT  
FOR  
VICTORVILLE PRECISION BOMBING RANGE (PBR) NO. 5  
VICTORVILLE, CALIFORNIA  
PROJECT NUMBER J09CA069001

APPENDIX D

TEXTS/MANUALS

APPENDIX D

TEXTS/MANUALS

**Table of Contents**

D-1. Practice Bomb, dated 28 May 1947 (B-4).

## ARMY PRACTICE BOMBS

## 100-pound M38A2

|   |      |
|---|------|
| Over-all length, inches.....                            | 47.5 |
| Diameter, inches.....                                   | 8.18 |
| Weight, empty, pounds.....                              | 15.7 |
| Weight, sand-loaded and spotting charge,<br>pounds..... | 100  |

This bomb simulates a G.P. bomb of the same size. The spotting charge is assembled in a sleeve at the base of the bomb, within the fin box. Authorized spotting charges are M1A1, M3, and M4.

## Spotting Charges (Army)

## M1A1

|                                  |                       |
|----------------------------------|-----------------------|
| Over-all length, inches.....     | 11.18                 |
| Diameter, inches.....            | 3.43                  |
| Weight, pounds.....              | 4.25                  |
| Black-powder charge, pounds..... | 3.0                   |
| Bomb used in.....                | M38A2                 |
| Fuze.....                        | Integral inertia-type |

This type of spotting charge fits in the after end of the 100-pound Practice Bomb M38A2. It produces a flash of flame and white smoke for observation of bombing accuracy. When assembled in the bomb, the can of the charge protrudes two to three inches out of the bomb body.

The fuze is an integral part of the spotting charge assembly. When the arming wire is pulled, the spring-loaded arming pin jumps out, leaving the inertia weight supported only by the combination firing pin and creep spring. On impact, the inertia weight drives this firing pin into the shotgun-type primer, which, in turn, ignites the black powder.

M3: The Spotting charge M3 has a 2 $\frac{1}{4}$ -pound dark smoke filling and a black-powder igniter. It is  $\frac{5}{8}$  inch longer than the Spotting Charge M1A1, but otherwise is like it. The M3, with

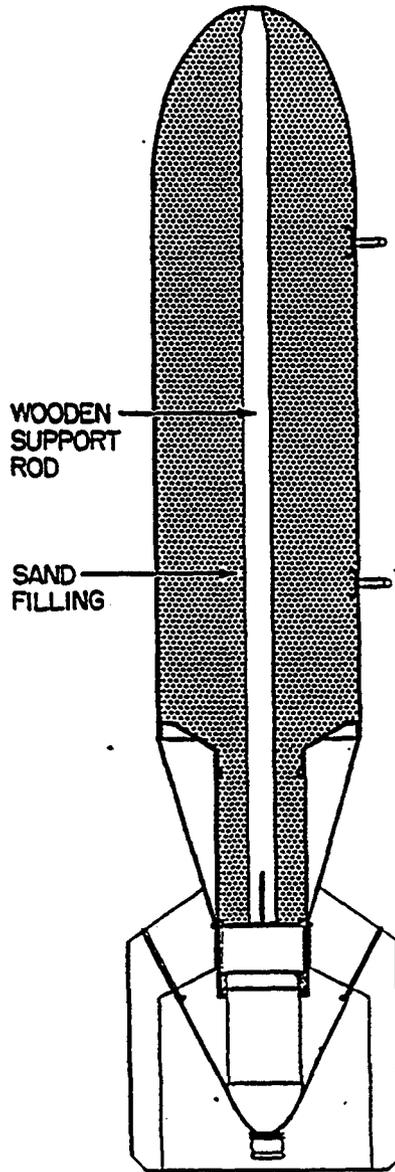


Figure 314. 100-pound Practice Bomb M38A2

its dark smoke filler, is well adapted for bombing practice over snow-covered terrain. The black-powder igniter charge contains approximately 425 grains. It is used in the Practice Bomb M38A2.

|                              |      |
|------------------------------|------|
| <b>M5</b>                    |      |
| Over-all length, inches..... | 7.37 |
| Diameter, inches.....        | 2.95 |

|                              |       |
|------------------------------|-------|
| Material .....               | Glass |
| FS filler, fluid ounces..... | 14.4  |

The Spotting Charge M5 consists of a glass bottle filled with FS smoke mixture. An ordinary bottle cap seals the mixture. The bottle is held to the Practice Bomb M38A2 by a wire twisted around the neck of the bottle and attached to the tail vanes. The charge assembly weighs 2.54 pounds.

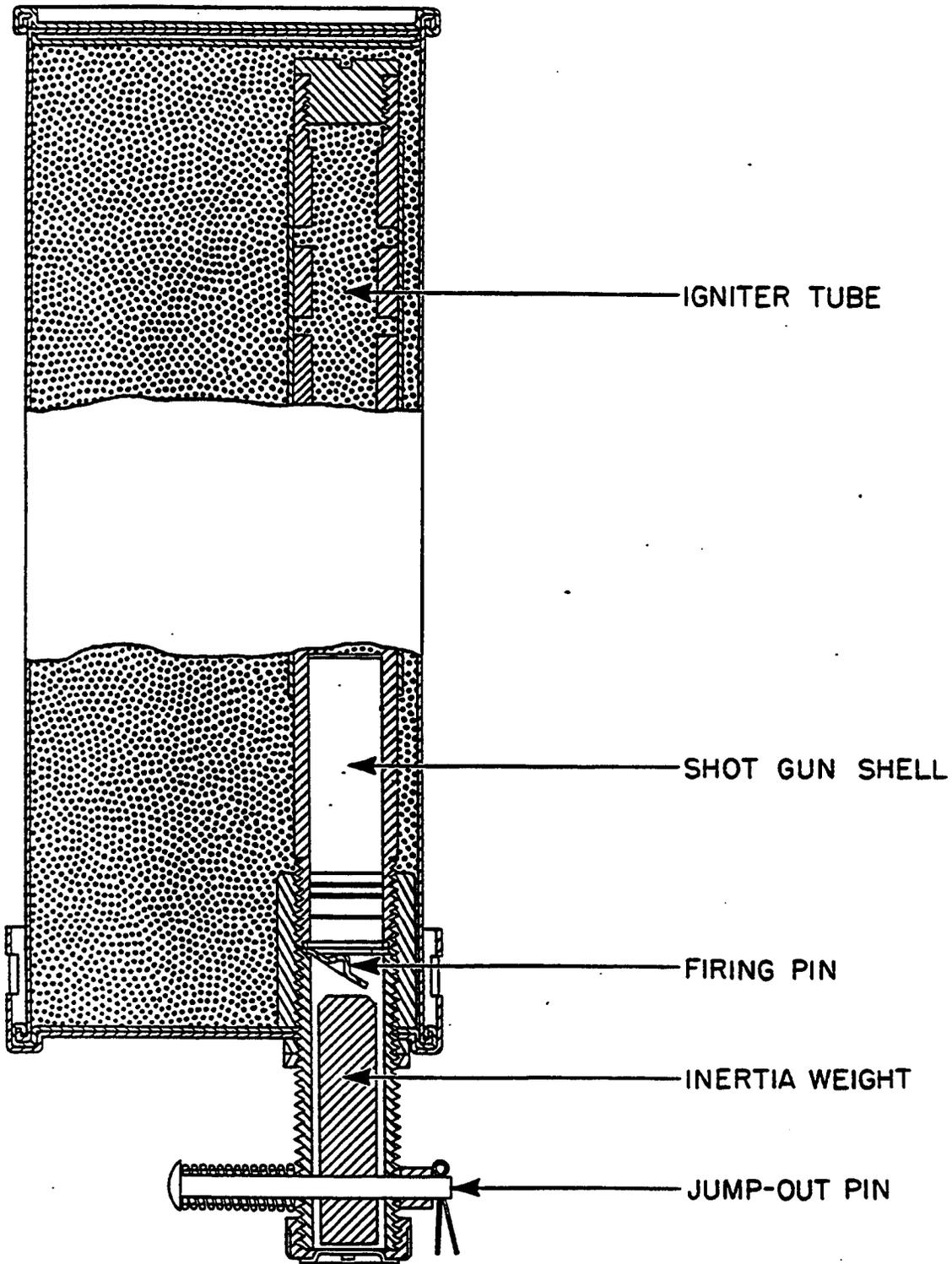


Figure 315. Spotting Charge M1A1

**CONFIDENTIAL**

D-1

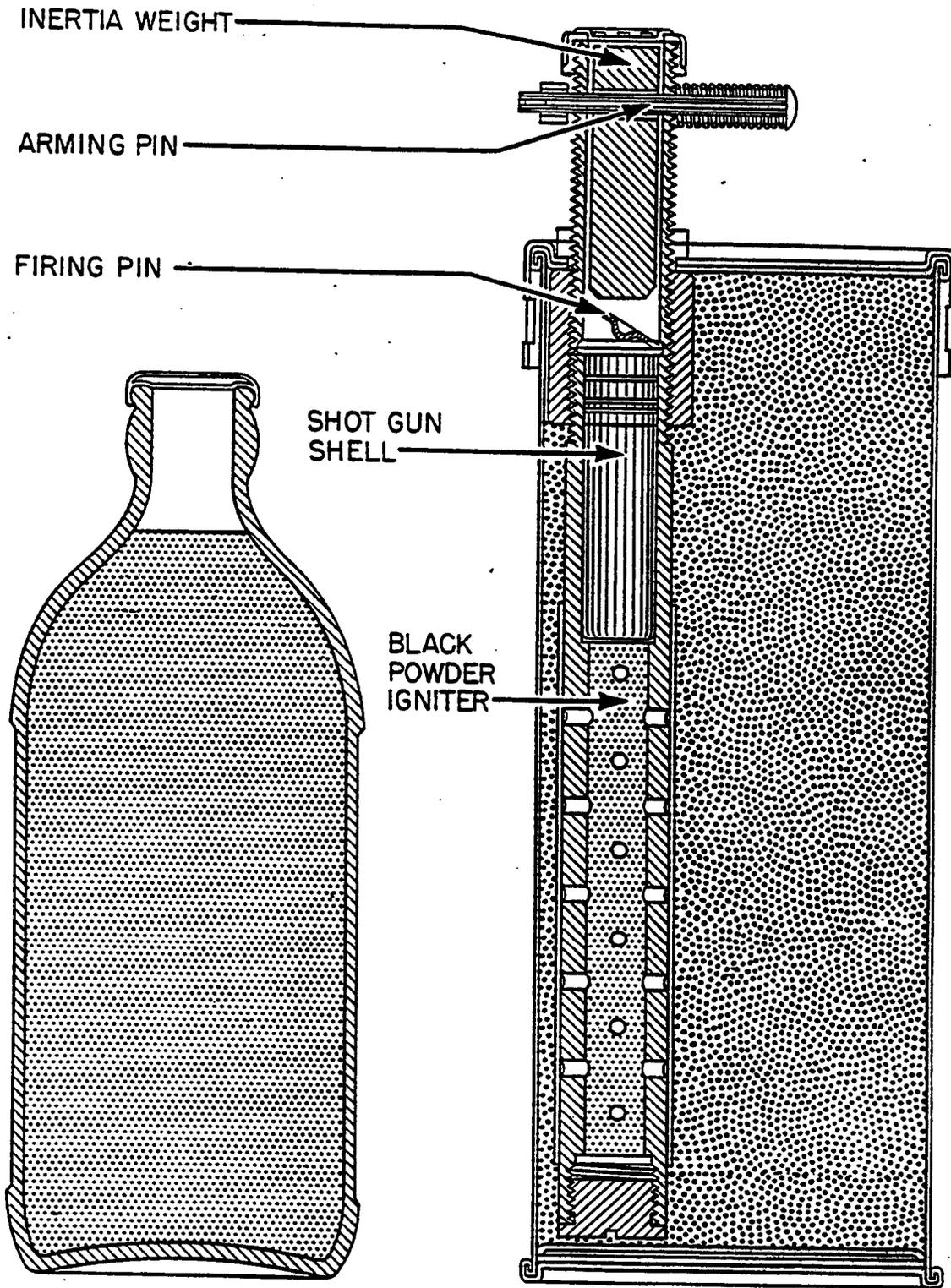


Figure 316. Spotting Charges M3 (right) and M5 (left)

~~CONFIDENTIAL~~

ORDNANCE AND EXPLOSIVES  
ARCHIVES SEARCH REPORT  
FOR  
VICTORVILLE PRECISION BOMBING RANGE (PBR) NO. 5  
VICTORVILLE, CALIFORNIA  
J09CA069001

APPENDIX E

REPORTS/STUDIES

APPENDIX E

REPORTS AND STUDIES

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E-1 Site Survey Summary Sheet, DERP FUDS, OEW Site No.  
J09CA069000, 1991. (B-5)

E-2 Findings and Determination of Eligibility, DERP FUDS,  
OEW Site No. J09CA069000, 1991. (B-5)

E-3 Project Summary Sheet, DERP FUDS, OEW Project No.  
J09CA069000, 1996. (B-5)

SITE SURVEY SUMMARY  
FOR  
DERP PROJECT NO. J09CA069000

SITE NAME: Formerly Victorville Precision Bombing Range (PBR) No. 5.

LOCATION: The former Victorville PBR No. 5 is located approximately 10 miles north of Lucerne Valley, California.

SITE HISTORY: The site originally consisted of 691.96 acres. In May 1943, 691.96 acres were transferred from the U.S. Department of the Interior to the War Department through Public Land Order (PLO) 125. The site was used by the Army Air Forces based at Victorville Airfield as a practice bombing area. In November, 1948, PER No. 5 was transferred back to the U.S. Department of the Interior; this transfer of land became official in March 1954 through PLO 949. Currently, most of the site is controlled by the U.S. Department of the Interior, Bureau of Land Management, however, forty six, two and one-half acre parcels are owned by private landowners. The only DOD improvements still on the site are the weathered remains of the asphalt bombing target. Non-DOD structures on the site are the frame of a small house and an abandoned water well. 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 20-25 feet apart within the 300 foot bombing target and approximately 50-75 feet apart throughout the remainder of the site. San Bernardino County Environmental Health and Fire Department, the California Regional Water Quality Control Board No. 6 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 22 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 from exploded ordnance dropped 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 a partial record of acquisition and disposal information relative to 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

DEFENSE ENVIRONMENTAL RESTORATION PROGRAM  
FOR FORMERLY USED SITES  
FINDINGS AND DETERMINATION OF ELIGIBILITY  
VICTORVILLE PRECISION BOMBING RANGE NO. 5  
SAN BERNARDINO COUNTY, CALIFORNIA  
PROJECT NO. J09CA069000

FINDINGS OF FACT

1. In May 1943, 691.96 acres were transferred from the U.S. Department of the Interior to the War Department through Public Land Order 125.
2. Victorville PBR No. 5 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, located at the center of the site, 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. Victorville PBR No. 5 was informally returned to the U.S. Department of the Interior in November 1948 by a Letter of Transfer. The Letter of Transfer declared the bombing target to have been dedudded and certified to be free and clear of explosives or explosive objects reasonably possible to detect by visual inspection. All removable improvements, e.g. fences and gates, were removed. The transfer of land from the DOD to the Department of the Interior became official in March 1954, by Public Land Order 948. Currently, most of the site is controlled by the U.S. Department of the Interior, Bureau of Land Management, however, forty-six, two and one-half acre parcels are owned by 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.

25 July 91

Date

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

PROJECT SUMMARY SHEET

FOR

DERP-FUDS OE PROJECT NO. J09CA069000  
VICTORVILLE PRECISION BOMB RANGE NO. 5  
SAN BERNARDINO COUNTY, CALIFORNIA  
SITE NO. J09CA069000

PROJECT DESCRIPTION: The Victorville Precision Bombing Range (PBR) No. 5 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.

ORDNANCE AND EXPLOSIVES  
ARCHIVES SEARCH REPORT  
FOR  
VICTORVILLE PRECISION BOMBING RANGE (PBR) NO. 5  
VICTORVILLE, CALIFORNIA  
J09CA069001

APPENDIX F

LETTERS/MEMORANDUMS/CORRESPONDENCE

## APPENDIX F

### LETTERS/MEMORANDUMS/CORRESPONDENCE

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F-1 Letter, Subject: Species List for former Victorville Precision Bombing Range. (B-6)

F-2 Letter, Subject: Archaeological Information Center for Precision Bombing Ranges. (B-7)

F-3 Letter, Subject: Bombing Targets- Notice of Completion and Release to Air Corps, dated 1942. (B-8)

F-4 Excerpt from History of Victorville Army Air Field Victorville, California, dated 1944. (B-9)

F-5 Letter, Subject: Certifying Precision Bombing Ranges 2, 4, 5, and 18 is free of unexploded ordnance, dated 1947. (B-10)

F-6 Document, Subject: Declaration of Excess Victorville Bombing Targets, dated 1948. (B-11)

F-7 Document, Subject: Dedudding Report for Victorville Precision Bombing Ranges # 2, 4, 5, and 18, dated 1948. (B-12)

F-8 Document, requesting action to be taken to cancel Public Land Order 125 on bombing targets 1, 5, 10, 11, 12, 13, 14, and 18, dated 1948. (B-13)

F-9 Letter, transferring 691.96 acres to the Department of Interior, dated 1954. (B-14)



# 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<sup>1/</sup>. 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.

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

---

<sup>1/</sup> "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.

CALIFORNIA  
ARCHAEOLOGICAL  
INVENTORY



ARCHAEOLOGICAL INFORMATION CENTER  
San Bernardino County Museum  
2024 Orange Tree Lane  
Redlands, California 92374  
(909) 792-1497  
(909) 798-8585 - FAX

11 November 1997

Larry Dauphin, SIOAC-ESL  
Defense Ammunition Center  
3700 Army Depot Road  
Savanna, IL 61074-9639

Dear Mr. Dauphin,

Here is your record search for the formerly used defense sites in order of request. I checked the whole sections of all the areas even if your mapped APE did not cover it so that you would have a better idea of any cultural resources nearby. For a complete bibliography listed by NADB numbers, see the enclosed bibliography.

1) PBR N-3/PBR #44 USGS Hinkley 7.5' Quad

There are no recorded sites within T10N R3W Sec 8, however, there are two reports covering that area numbered NADB 1061035 & 1061479 in the bibliography. There are many prehistoric sites in the vicinity including Black & Inscription Canyon Rock Art District which is currently being nominated to the National Register.

2) PBR #3 USGS Fairview Valley 7.5' Quad

There are two lithic reduction sites in T6N R2W Sec 27, 28, 33, 34 designated SBR-2132 & SBR-2135. There are no reports recorded within the project area.

3) PBR #4 USGS Apple Valley South & Fifteenmile Valley 7.5' Quads

There are no recorded sites in T4N R2W Sec 5, 6, 7, 8. Two reports, 1060629 & 1062515, are inside the APE and four reports, 1060240, 1060900, 1060901 & 1062158, skirt the SE corner of Sec 8.

4) PBR #5 USGS West Ord Mtn 7.5' Quad (APE is not on USGS Stoddard Well)

There are no sites and no survey reports for T6N R1W Sec 4.

5) PBR #6 USGS Lucerne Valley & White Horse Mtn 7.5' Quads

There are no sites recorded For T5N R1W Sec 22, 23, 26, 27. One pipeline report, 1060046, passes through the APE.

6) PBR #9 USGS Fry Mtn & Grandview Mine 7.5' Quads

There are no sites and no surveys recorded for T5N R2E Sec 2, 3 & T6N R2E Sec 34, 35.

7) PBR #10 USGS Old Woman Springs 7.5' Quad

There is one lithic scatter, SBR-1883, and no reports recorded in the T4N R2E Sec 1, 12 & T4N R3E Sec 6, 7.

8) PBR #11 USGS Fry Mtn & Iron Ridge 7.5' Quads

There is one isolate on the Fry Mtn Quad and three isolates on the Iron Ridge Quad. All are flakes. Two reports cross the APE, 1060240 & 1063065.

- 9) PBR #12 USGS Melville Lake 7.5' Quad  
There are no sites recorded for T4N R4E Sec 5 & T5N R4E Sec 32, however, there are two reports, 1062257 & 1060956.
- 10) PBR #14 USGS Galway Lake & Iron Ridge 7.5' Quads  
There are no recorded sites in T6N R5E Sec 30, however, there is rock art recorded in the vicinity. Two reports, 1060701 & 1062257, are in the APE.
- 11) PBR #15 USGS Emerson Lake & Melville Lake 7.5' Quads  
There are no sites or surveys within T4N R5E Sec 30, 31. Report 1062257 is adjacent to the APE on the west.
- 12) PBR #16 USGS Emerson Lake & Melville Lake 7.5' Quads  
There are no sites in T4N R5E Sec 6 & T5N R5E Sec 31. There is one report, 1060956, on the Emerson Lake Quad.
- 13) PBR #19 USGS Joshua Tree North 7.5' Quad  
There is one pending military site dead center of T2N R6E Sec 26, 27 designated P1031-1H. A pending site is one that has not been formally recorded, but we have some information on. One report, 1061724, is in the APE.

None of these areas has been well surveyed, however, I noted "abandoned target" on some of the maps within the APE. Also, you might check the old George AFB records (previously known as Victorville Army Airfield) for more information. Someone talked to my father-in-law last year about some of the areas. He was stationed there in 1945-7.

If you have any further questions, please, call me at (909) 792-1497 Tuesday through Friday between 8 AM & 4 PM. Have a great day!

Sincerely,



Robin E. Laska  
Acting Coordinator

Address Reply To  
"The District Engineer,  
U. S. Engineer Office,  
751 South Figueroa Street,  
Los Angeles, Calif."

WAR DEPARTMENT  
**UNITED STATES ENGINEER OFFICE**  
751 SOUTH FIGUEROA STREET  
LOS ANGELES, CALIF.

*File  
copy*

**0-3**

**April 4, 1942.**

**SUBJECT: Victorville Army Flying School, Victorville, California -  
Contract W-509-Eng. 2196 - Bombing Targets - Notice of  
Completion and Release to Air Corps.**

**TO: The Commanding Officer,  
Victorville Army Flying School,  
Victorville, California.**

1. Confirming letters, dated March 28, 31 and 30, 1942, from the Area Engineer, you are informed that Bombing Targets Nos. 4, 5, 6 and 8, constructed under the above-numbered contract have been completed and are hereby released to you for use and maintenance.

2. It is requested that formal acceptance of the above-mentioned Bombing Targets Nos. 4, 5, 6, and 8 be submitted to this office in writing.

**Edwin C. Kalton,  
Colonel, Corps of Engineers,  
District Engineer.**

0-3

1st Ind.

ALR:PH

Headquarters, VAFS, Army Air Base, Victorville, California, 9 April 1942.  
To: The District Engineer, U. S. Engineer Office, 751 South Figueroa Street, Los Angeles, California.

1. Hereby accepting Bombing Targets Nos. 4, 5, 6 and 8.

For the Commanding Officer:

**THOMAS J. GENT, JR.  
Major, Air Force  
Executive**

**F-3**

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 M1                    | 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 1944.
57. Certificate of Expenditure, Bombs, Ordnance Office Credit Voucher 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.

DECLASSIFIED  
Authority W 08 03029  
By KM NARA Date 7/11/97

REPRODUCED AT THE NATIONAL ARCHIVES

~~RESTRICTED~~

APPROPRIATE  
PERSONNEL  
NOTIFIED

R E S T R I C T E D

C E R T I F I C A T E

25 October 1947

I certify that I have examined the impact areas at Victorville Bombing Targets numbered 2, 4, 5 and 18 for duds and other unexploded ammunition and found none. There is no evidence of any, other than the practice bomb (100 lb - M 38 A 2) having been dropped on these targets. The resulting scrap from the practice bombs (100 lb - M 38 A 2) has not been removed from the impact areas.

T. L. PFLEUGER  
Captain, Corps of Engineers  
Air Installations Office  
March Field, Riverside, California

F-5

R E S T R I C T E D

C  
O  
P

**SUBJECT:** Declaration of Excess - Victorville Bombing Targets, California  
(Nos. 2, 4, 5 and 18).

GSGSP/32 1249

4th Ind.

WGW:jg

DEPT OF THE ARMY, GENERAL STAFF, US ARMY, SSP WASHINGTON 25, D. C.

To: The Chief of Engineers, Washington 25, D. C.

14 JAN 1948

Effective 12 January 1948, the Department of the Army places Bombing Target Sites Nos. 2, 4, 5, and 18, located between Victorville and Deadman Lake in San Bernardino County, California, in the category of surplus for disposition in accordance with applicable laws, directives, and regulations.

BY ORDER OF THE SECRETARY OF THE ARMY:

/s/ F. M. Smith  
Col. GSC  
Deputy Director of Service,  
Supply and Procurement

2 Incls n/c

F-6

COPY

COPY

DEPARTMENT OF THE ARMY  
OFFICE OF THE CHIEF OF ENGINEERS  
9200th TSU-CE, DETACHMENT #15  
BOMB AND SHELL DISPOSAL TEAM

June 17, 1948

All lands within the practice bombing ranges (Satellite to Victorville Army Airfield, California) in the Lucerne Valley, designated targets #2, #4, #5, #18, have been given a careful visual inspection and have been cleared of all dangerous and/or explosive materials. To the best of my knowledge and belief these areas will not require additional dedudding to render safe for public use. (Reference Map, Victorville Army Bombing Ranges)

/s/ JESSE F. DOHOVAN  
CAPT. CE  
COMDG.

F-7

Reproduced from the holdings of the National Archives  
*Pacific Region, Laguna Niguel Office*

EE/IC

HO'N

602 Victorville Precision Bombing Range,  
California. ENGLT

LBK

EJF

1 November 1948

GFM

Director,  
Bureau of Land Management,  
Department of the 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 lands in the State of California for bombing targets for use in connection with Victorville Airfield, California.

Bombing targets 1, 5, 10, 11, 12, 13, 14 and 18, covered by Public Land Order 125, are no longer required by this Department and it is recommended that action be taken to cancel Public Land Order 125 insofar as applicable to these bombing targets. The lands used for the bombing targets are more particularly described in the inclosed Exhibit A.

Bombing targets 16, 20, Y & Z, also described in Exhibit A, are no longer required by this Department, and the use of these lands is hereby relinquished. These targets were apparently used by this Department under informal arrangements with your Department since no records of a permit or Public Land Order can be located.

All of the aforementioned bombing targets have been dedudded and have been certified to be free and clear of explosives or explosive objects reasonable possible to detect by visual inspection. Copies of the dedudding certificates are inclosed and designated as Exhibits F, G, H, and I.

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. The light oil rings will be obliterated by weather action and no restoration work is deemed necessary by this Department.

Your cooperation in making these lands available is appreciated.

FOR THE CHIEF OF ENGINEERS:

Sincerely yours,

I Inclosure;  
Exhibits A thru J

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

RESERVATION NAME:

1873

Victorville Precision Bombing Range No. 5, California

OFFICIALLY DESIGNATED BY:

LOCATION:

In San Bernardino County, 18 Miles South of The Town of Barstow,  
California

TYPE:

Auxiliary to Victorville AAF

LAND OWNERSHIP AND COST DATA

ACQUISITION ACTIONS:

Exhibit "A"

DISPOSAL ACTIONS

NET AREA:

691.96 Acres, Transferred from Dept. of Interior,  
Total Area Acquired

691.96 Acres, Relinquished to Dept. of Interior  
0.00 Acres 1 November 1948

GROSS COST:

\* P.L.O. No. 125,  
Dated 5/20/43

JURISDICTION:

RELOCATIONS:

FINAL PROJECT MAP:

See Final Audited Map File,  
And Exhibit "B"

MISCELLANEOUS PAPERS:

Exhibit "E"

REMARKS:

\* P.L.O. No. 125 revoked by P.L.O. No. 948 dated 3/29/54

691.96 acres by P.L.O. No. 125 retransferred to Department of Interior by

DO NOT REMOVE OR ADD PAPERS TO THIS FILE P. L. O. No. 948 dated  
29 March 1954.

ORDNANCE AND EXPLOSIVES  
ARCHIVES SEARCH REPORT  
FOR  
VICTORVILLE PRECISION BOMBING RANGE (PBR) NO. 5  
VICTORVILLE, CALIFORNIA  
J09CA069001

APPENDIX G

REAL ESTATE DOCUMENTS

NOT USED

ORDNANCE AND EXPLOSIVES  
ARCHIVES SEARCH REPORT  
FOR  
VICTORVILLE PRECISION BOMBING RANGE (PBR) NO. 5  
VICTORVILLE, CALIFORNIA  
J09CA069001

APPENDIX H

NEWSPAPERS/JOURNALS

NOT USED

ORDNANCE AND EXPLOSIVES  
ARCHIVES SEARCH REPORT  
FOR  
VICTORVILLE PRECISION BOMBING RANGE (PBR) NO. 5  
VICTORVILLE, CALIFORNIA  
J09CA069001

APPENDIX I

INTERVIEWS

APPENDIX I

INTERVIEWS

TABLE OF CONTENTS

- I-1 Interview with Bill Myers and Bob Hall
- I-2 Interview with Jerry Bronson
- I-3 Interview with CPT Grimes, 1SG Fortney and SFC Woods
- I-4 Interview with MSGT Hepner and TSGT Glinka
- I-5 Interview with Glen Brooks
- I-6 Interview with Owen Cooper

|                            |                         |                                |
|----------------------------|-------------------------|--------------------------------|
| <b>CONVERSATION RECORD</b> | <b>TIME</b><br>0930 PST | <b>DATE</b><br>22 January 1998 |
|----------------------------|-------------------------|--------------------------------|

TYPE

VISIT

CONFERENCE

TELEPHONE  
 INCOMING  
 OUTGOING

|  |  |  |
|--|--|--|
| <b>NAME OF PERSON CONTACT WITH</b><br>Bill Myers<br>Bob Hall | <b>ORGANIZATION</b><br>San Bernardino<br>Sheriff's<br>Department | <b>TELEPHONE NO.</b><br>(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.

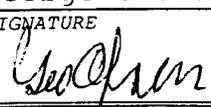
Mr. Myers stated that a 5-inch rocket had been recovered in the vicinity of bomb target 6, 7 or 8. He was unable to identify which target contained the rocket, but he recalled seeing a number of fins sticking out of the ground.

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**

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

|   |  |  |                                    |
|---|--|--|------------------------------------|
| <b>CONVERSATION RECORD</b>                          |  | <b>TIME</b><br>8:00                    | <b>DATE</b><br>23 Jan 98           |
| <b>TYPE</b>   |  |  |                                    |
| <input checked="" type="checkbox"/> VISIT           |  | <input type="checkbox"/> CONFERENCE    | <input type="checkbox"/> TELEPHONE |
|   |  |  | <input type="checkbox"/> INCOMING  |
|   |  |  | <input type="checkbox"/> OUTGOING  |
| <b>NAME OF PERSON CONTACT WITH</b><br>Jerry Bronson | <b>ORGANIZATION</b><br>BLM, Barstow Field Office | <b>TELEPHONE NO.</b><br>(760) 252-6075 |                                    |
| <b>SUBJECT</b> 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

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

|                            |                     |                                |
|----------------------------|---------------------|--------------------------------|
| <b>CONVERSATION RECORD</b> | <b>TIME</b><br>0930 | <b>DATE</b><br>Wed 28 Jan 1998 |
|----------------------------|---------------------|--------------------------------|

TYPE

VISIT                       CONFERENCE

TELEPHONE  
 INCOMING  
 OUTGOING

|   |  |                                |
|---|--|--------------------------------|
| NAME OF PERSON CONTACT WITH<br>CPT Grimes, 1SG Fortney<br>SFC Woods | ORGANIZATION<br>759 <sup>th</sup> EOD<br>Ft. Irwin, CA | TELEPHONE NO.<br>(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 759<sup>th</sup> 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<br>Christopher J. Churney | ORGANIZATION<br>CEMVR-ED-DO | TELEPHONE NUMBER<br>(309)794-6011 |
| SIGNATURE<br><i>Christopher J. Churney</i>                       | TITLE<br>Chem Engineer      | DATE<br>28 Jan 1998               |

|                            |                     |                                 |
|----------------------------|---------------------|---------------------------------|
| <b>CONVERSATION RECORD</b> | <b>TIME</b><br>0845 | <b>DATE</b><br>Thur 29 Jan 1998 |
|----------------------------|---------------------|---------------------------------|

TYPE

VISIT                       CONFERENCE

TELEPHONE  
 INCOMING  
 OUTGOING

|  |  |                                       |
|--|--|---------------------------------------|
| <b>NAME OF PERSON CONTACT WITH</b><br>MSGT Hepner<br>TSGT Glinka | <b>ORGANIZATION</b><br>95 <sup>th</sup> CEG/CED<br>Edwards AFB, CA | <b>TELEPHONE NO.</b><br>(805)277-2162 |
|--|--|---------------------------------------|

**SUBJECT**  
Victorville Precision Bomb Targets

**SUMMARY**

MSGT Hepner and TSGT Glinka have been with the 95<sup>th</sup> CEG/CED for a few months and 5 ½ years respectively. Although they have responded to OE incidents at George AFB (formerly Victorville AAF), neither could recall ever responding to OE incidents at any of the Victorville PBRs. Neither had any knowledge of any OE incidents occurring at the Victorville PBRs. Both stated the EODs at Fort Irwin would normally respond to any incidents in the area of the PBRs.

**ACTION REQUIRED**

**ACTION TAKEN**

|   |                                    |  |
|---|------------------------------------|--|
| <b>NAME OF PERSON DOCUMENTING COVERSATION</b><br>Christopher J. Churney | <b>ORGANIZATION</b><br>CEMVR-ED-DO | <b>TELEPHONE NUMBER</b><br>(309)794-6011 |
| <b>SIGNATURE</b><br><i>Christopher J. Churney</i>                       | <b>TITLE</b><br>Chem Engineer      | <b>DATE</b><br>29 Jan 1998               |

|                            |                         |                             |
|----------------------------|-------------------------|-----------------------------|
| <b>CONVERSATION RECORD</b> | <b>TIME</b><br>11:00 AM | <b>DATE</b><br>2 March 1998 |
|----------------------------|-------------------------|-----------------------------|

|   |                                      |  |
|---|--------------------------------------|--|
| <b>TYPE</b>                                     |                                      |  |
| <input type="checkbox"/> VISIT                  | <input type="checkbox"/> CONFERENCE  | <input type="checkbox"/> TELEPHONE           |
|   |                                      | <input type="checkbox"/> INCOMING            |
|   |                                      | <input checked="" type="checkbox"/> OUTGOING |
| <b>NAME OF PERSON CONTACTED</b><br>Glenn Brooks | <b>ORGANIZATION</b><br>Former Airman | <b>TELEPHONE NO.</b><br>(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

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

|  |   |  |                             |
|--|---|--|-----------------------------|
| <b>CONVERSATION RECORD</b>                     |   | <b>TIME</b><br>1:00 PM                 | <b>DATE</b><br>4 March 1998 |
| <b>TYPE</b>                                    |   |  |                             |
| <input type="checkbox"/> VISIT                 |   | <input type="checkbox"/> CONFERENCE    |                             |
|  |   | <input type="checkbox"/>               | TELEPHONE                   |
|  |   |  | INCOMING                    |
|  |   | X                                      | OUTGOING                    |
| <b>NAME OF PERSON CONTACTED</b><br>Owen Cooper | <b>ORGANIZATION</b><br>Former Bombardier<br>Cadet | <b>TELEPHONE NO.</b><br>(410) 747-5991 |                             |
| <b>SUBJECT</b> 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 91<sup>st</sup> Bomb Group.

|   |                                    |   |
|---|------------------------------------|---|
| <b>ACTION REQUIRED</b><br>None                                  |                                    |   |
| <b>NAME OF PERSON DOCUMENTING CONVERSATION</b><br>Ronald Plante | <b>ORGANIZATION</b><br>CEMVR-ED-DO | <b>TELEPHONE NUMBER</b><br>(309) 782-1481 |
| <b>SIGNATURE</b><br><i>Ronald Plante</i>                        | <b>TITLE</b><br>QASAS              | <b>DATE</b><br>4 March 1998               |

ORDNANCE AND EXPLOSIVES  
ARCHIVES SEARCH REPORT  
FOR  
VICTORVILLE PRECISION BOMBING RANGE (PBR) NO. 5  
VICTORVILLE, CALIFORNIA  
PROJECT NUMBER J09CA069001

APPENDIX J

PRESENT SITE PHOTOGRAPHS

APPENDIX J

PRESENT SITE PHOTOGRAPHS

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- J-1 View of the former PBR No. 5, facing north
- J-2 View of the former PBR No. 5, facing south
- J-3 View looking east, showing remnant of Target Ring
- J-4 View looking east, showing the center of the Target Ring
- J-5 Remnant of M38A2 100-lb practice bomb, Area A
- J-6 Fragments of a 100-lb practice bomb, Area A
- J-7 View looking north, privately owned trailer near Target Ring



J-1 View of the former PBR NO. 5, facing north



J-2 View of the former PBR NO. 5, facing south



J-3 View looking east, showing remnant of Target Ring



J-4 View looking east, showing the center of the Target Ring



J-5 Remnant of M38A2 100 lb practice bomb



J-6 Fragments of a 100 lb practice bomb



J-7 View looking north, privately owned trailer near Target Rings

ORDNANCE AND EXPLOSIVES  
ARCHIVES SEARCH REPORT  
FOR  
VICTORVILLE PRECISION BOMBING RANGE (PBR) NO. 5  
VICTORVILLE, CALIFORNIA  
J09CA069001

APPENDIX K

HISTORICAL PHOTOGRAPHS

APPENDIX K

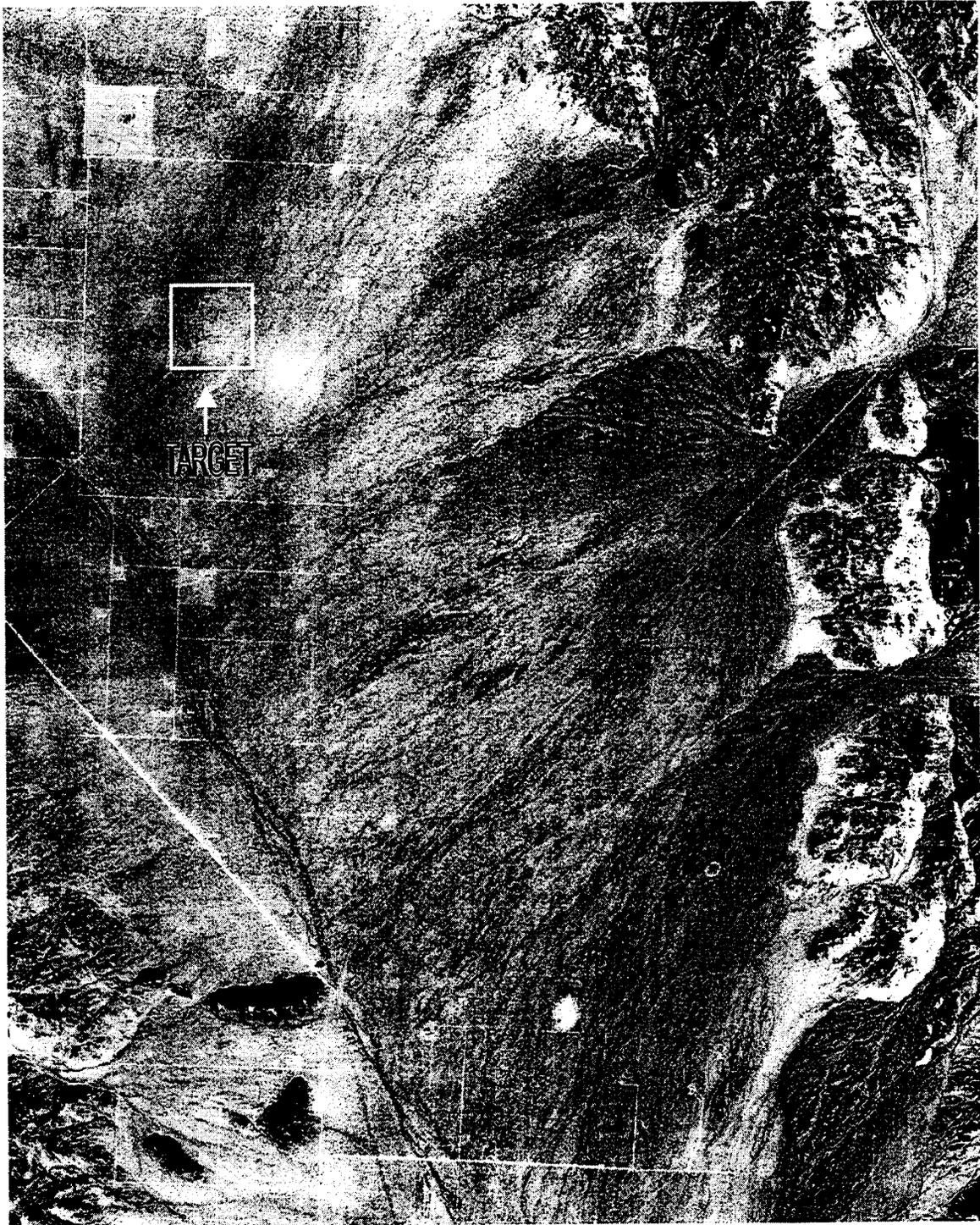
HISTORICAL PHOTOGRAPHS

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K-1 Aerial photograph of Victorville PBR #5, dated  
7/16/89. (B-15)

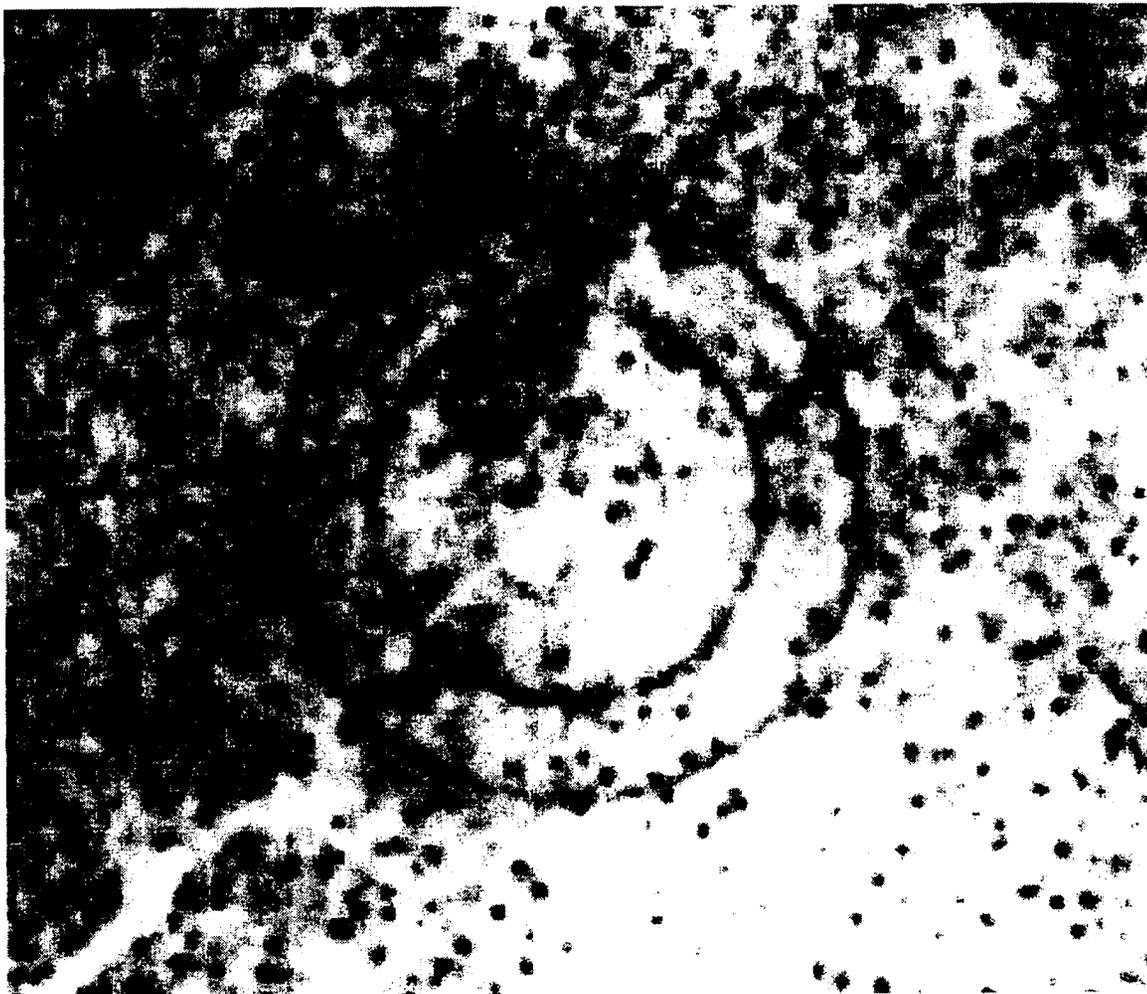
K-2 Computer enhancement of the aerial photograph of  
Victorville PBR #5, dated 7/16/89. (B-15)

Precision Bombing Range (PBR) NO. 5



K-1

Computer enhancement of Target Box in document K-1



K-2

ORDNANCE AND EXPLOSIVES  
ARCHIVES SEARCH REPORT  
FOR  
VICTORVILLE PRECISION BOMBING RANGE (PBR) NO. 5  
VICTORVILLE, CALIFORNIA  
J09CA069001

APPENDIX L

HISTORICAL MAPS/DRAWINGS

APPENDIX L

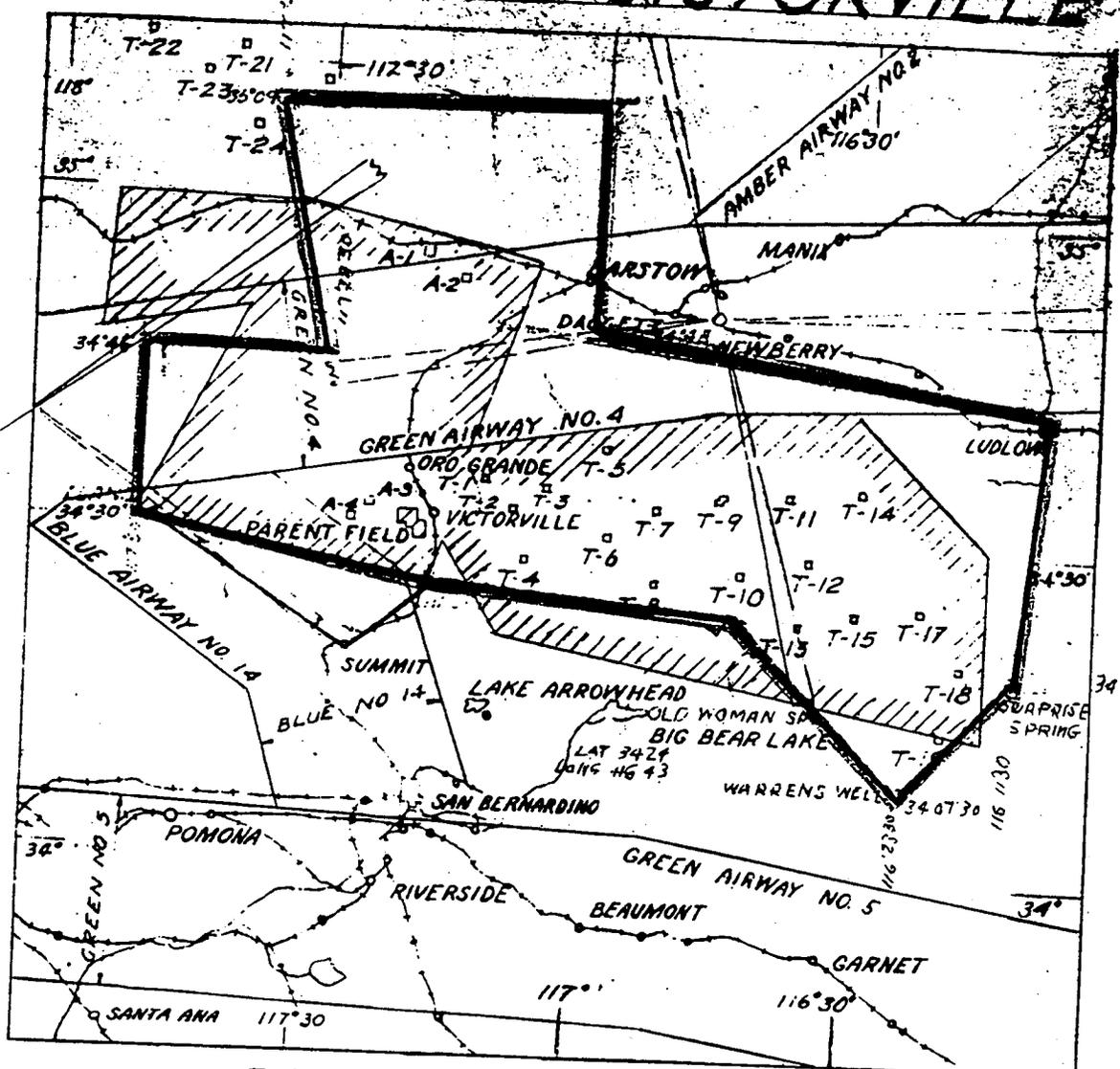
HISTORICAL MAPS/DRAWINGS

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L-1 Historical map of the Flying Training and Danger Areas  
for Victorville. (B-16)

L-2 Historical map of the Bombing Targets at Victorville  
Army Air Field. (B-16)

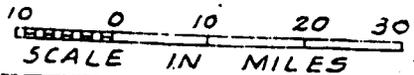
# VICTORVILLE



## FLYING TRAINING AREA AND DANGER AREA

II M. REGIONAL AERO CHART BASE

-  FLYING TRAINING AREA
-  DANGER AREA



V-4

Flying Training Area shown hereon  
in Red is hereby approved  
*Ray P. Cutler*

Date May 25, 1943

*Incl. 1*

117°

L-1

*M  
A  
K*

RESTRICTED

# BOMBING TARGETS EAST RANGE VICTORVILLE ARMY AIR FIELD

RESTRICTED

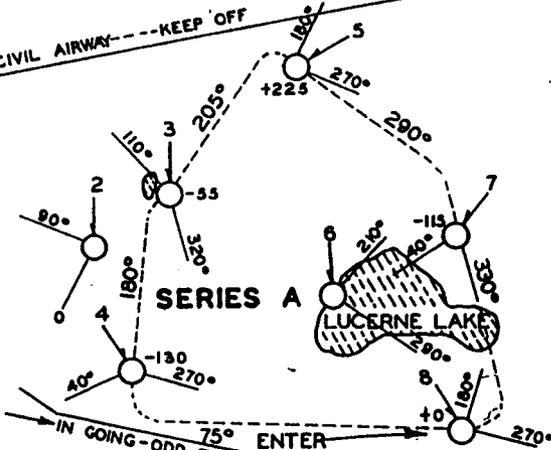
L-2

VICTORVILLE  
ARMY AIR  
FIELD

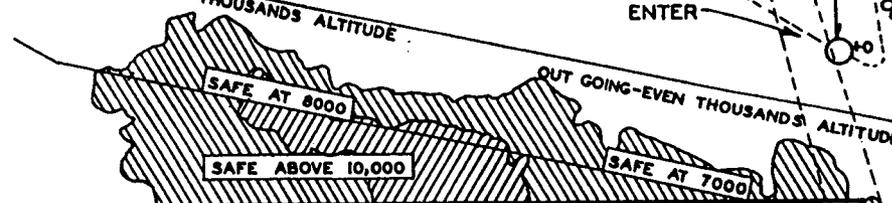
| FIELD ALTITUDE | TARGET ALT. |
|----------------|-------------|
| 2861'          |             |
| 2-----2940'    |             |
| 3-----3210     |             |
| 4-----3080     |             |
| 5-----3285     |             |
| 6-----2845     |             |
| 7-----3040     |             |
| 8-----3155     |             |
| 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



IN GOING-ODD THOUSANDS ALTITUDE



OUT GOING-EVEN THOUSANDS ALTITUDE

SERIES ARE FLOWN COUNTER-CLOCKWISE  
ALL TURNS ONE NEEDLE WIDTH

AIRSPEED 150 MPH UP TO 5000'  
 AIRSPEED 140 MPH FROM 5000' TO 7000'  
 AIRSPEED 120 MPH FOR 10,000' AND OVER  
 AIRSPEED 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.

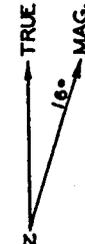
DAGGETT RANGE 145°  
365' K.C.

SERIES C

SERIES B

SERIES D

SWINDING SCALE  
HEADING



REVISED-7-20-43  
SPT. DAVID J. BROWN

ORDNANCE AND EXPLOSIVES  
ARCHIVES SEARCH REPORT  
FOR  
VICTORVILLE PRECISION BOMBING RANGE (PBR) NO. 5  
VICTORVILLE, CALIFORNIA  
J09CA069001

APPENDIX M

ARCHIVE SEARCH REPORT CORRESPONDENCE

NOT USED

ORDNANCE AND EXPLOSIVES  
ARCHIVES SEARCH REPORT  
FOR  
VICTORVILLE PRECISION BOMBING RANGE (PBR) NO. 5  
VICTORVILLE, CALIFORNIA  
J09CA069001

APPENDIX N

PROJECT AREA BIBLIOGRAPHY

**APPENDIX N  
PROJECT AREA BIBLIOGRAPHY**

| <b>Document ID</b> | <b>Project Area(s)</b> | <b>OE Classification</b> | <b>Document Name</b>                            | <b>Document Date</b>   | <b>Document Source</b> | <b>Description and Comments</b>  |
|--------------------|------------------------|--------------------------|---|------------------------|------------------------|--|
| 1                  | Area A                 | Contaminated             | Historical Record of Victorville Army Air Field | Nov-Dec-44             | AFHRA, Maxwell AFB     | F-4 Types of Ordnance on hand.   |
| 1                  | Area A                 | Contaminated             | Dedudding Report                                | 25-Oct-47              | NARA-Archives II       | F-5 Letter certifying PBR # 5 is free of unexploded ordnance, only type ordnance found was M38A2s. |
| 2                  | Area B                 | Potential                | Dedudding Report                                | 25-Oct-47              | NARA -Archives II      | See Above Description.   |
| 3                  | Area A                 | Contaminated             | Declaration of Excess                           | 14-Jan-48              | NARA-Pacific Region    | F-6 Placing bomb targets in the category of surplus.   |
| 4                  | Area A                 | Contaminated             | Dedudding Report                                | 17-Jun-48              | AFHRA Maxwell AFB, AL  | F-7 All of PBR # 5 is cleared of explosive material.   |
| 4                  | Area BC                | Potential                | Dedudding Report                                | 17-Jun-48<br>31-Dec-44 | AFHRA Maxwell AFB, AL  | See Above Description  |
| 5                  | Area A                 | Contaminated             | Site Photographs                                | 27-Jan-98              | Visual Inspection      | Photographs J-3 through J-7 shows M38A2 bomb debris.   |
| 6                  | Area B                 | Potential                | Site Photographs                                | 27-Jan-98              | Visual Inspection      | Photographs J-1 and J-2 shows the surrounding area.  |
| 7                  | Area A                 | Contaminated             | Aerial Photograph                               | 16-Jul-89              | U.S. Geological Survey | Photographs K-1 and K-2 shows bombing targets  |

ORDNANCE AND EXPLOSIVES  
ARCHIVES SEARCH REPORT  
FOR  
VICTORVILLE PRECISION BOMBING RANGE (PBR) NO. 5  
VICTORVILLE, CALIFORNIA  
J09CA069001

APPENDIX O

REPORT DISTRIBUTION

APPENDIX O

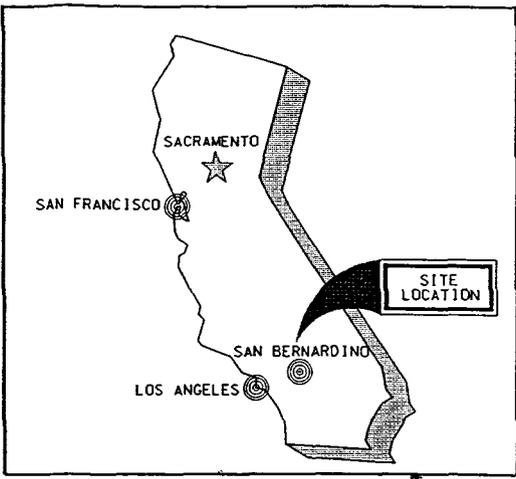
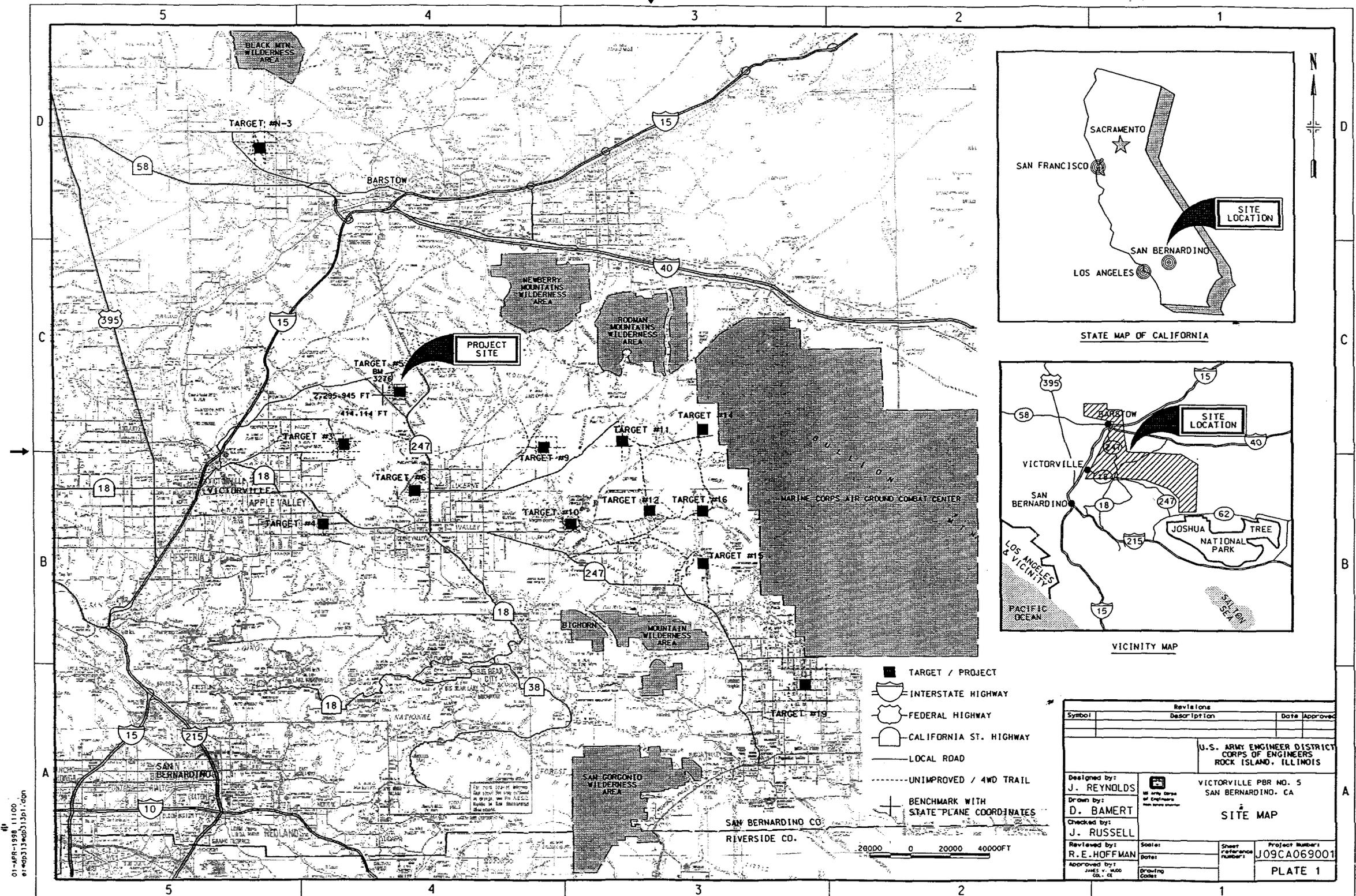
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| ED-DO  | 3          | -  | -   |
| I - FINAL REPORT<br>II - FINDINGS REPORT<br>III - ROUTED FINAL REPORT  |            |    |     |

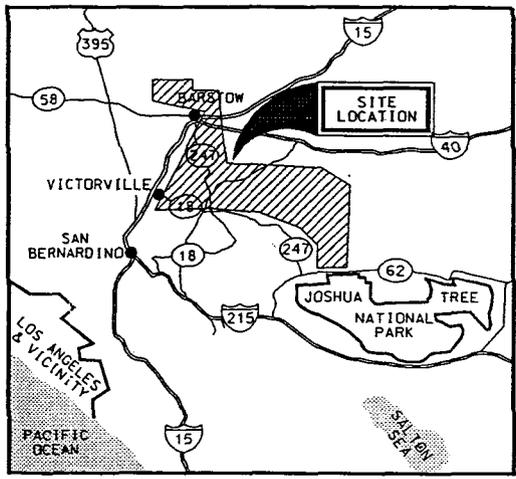
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VICTORVILLE, CALIFORNIA  
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APPENDIX

REPORT PLATES



STATE MAP OF CALIFORNIA



VICINITY MAP

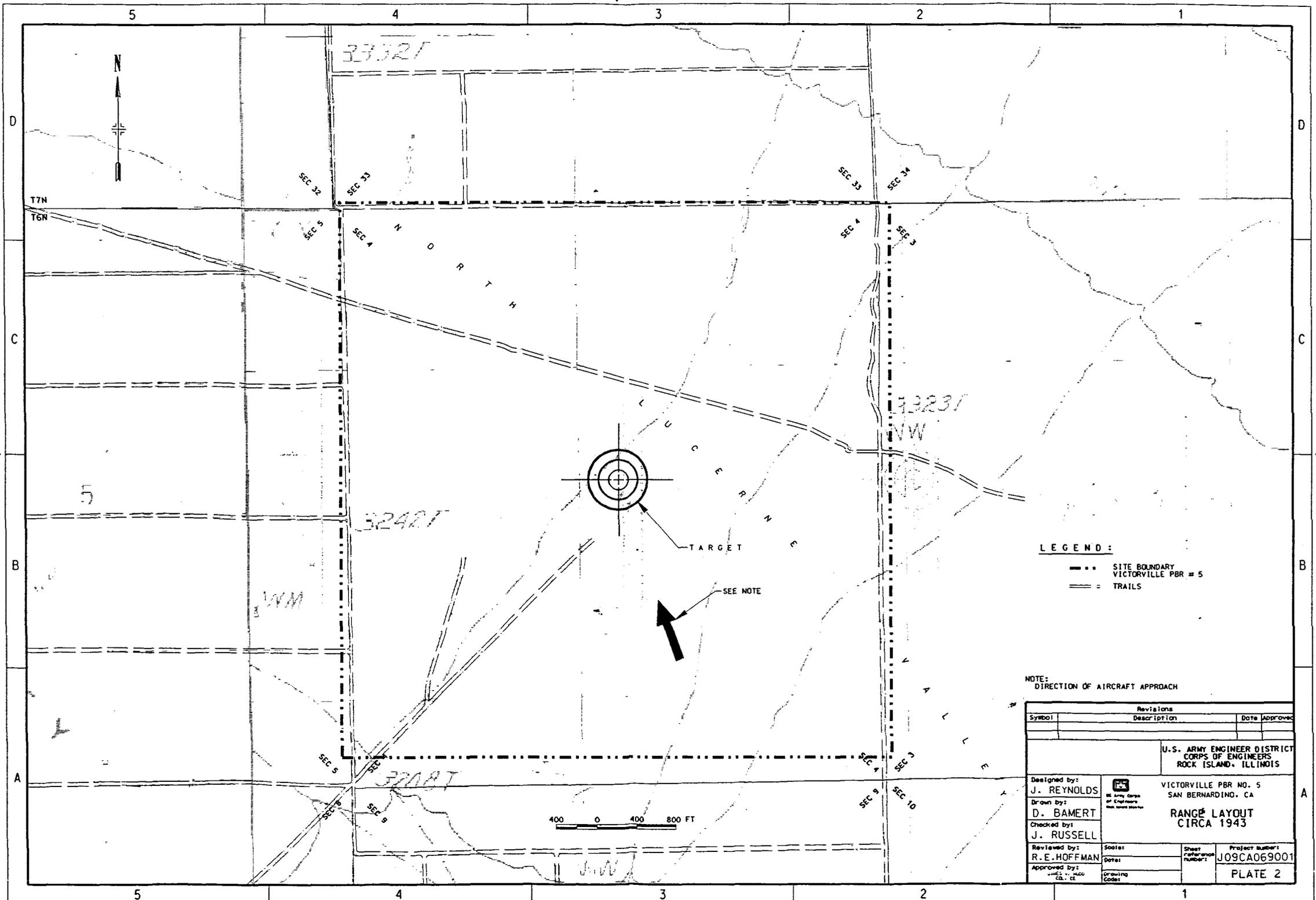
- TARGET / PROJECT
- INTERSTATE HIGHWAY
- FEDERAL HIGHWAY
- CALIFORNIA ST. HIGHWAY
- LOCAL ROAD
- - - UNIMPROVED / 4WD TRAIL
- + BENCHMARK WITH STATE PLANE COORDINATES

20000 0 20000 40000 FT

| Revisions  |             | Date Approved                               |                                       |
|--|-------------|---|---------------------------------------|
| Symbol   | Description |   |                                       |
|  |             |   |                                       |
| U.S. ARMY ENGINEER DISTRICT<br>CORPS OF ENGINEERS<br>ROCK ISLAND, ILLINOIS |             |   |                                       |
| Designed by:<br><b>J. REYNOLDS</b>   |             | VICTORVILLE PBR NO. 5<br>SAN BERNARDINO, CA |                                       |
| Drawn by:<br><b>D. BAMERT</b>  |             | <b>SITE MAP</b>                             |                                       |
| Checked by:<br><b>J. RUSSELL</b>   | Scale:      | Sheet<br>reference<br>number:               | Project Number:<br><b>J09CA069001</b> |
| Reviewed by:<br><b>R.E. HOFFMAN</b>  | Date:       | Drawing<br>Code:                            | <b>PLATE 1</b>                        |
| Approved by:<br><b>JAMES V. MUD<br/>COL. CE</b>                            |             |   |                                       |

01-APR-1988 11100  
01-APR-1988 11100  
01-APR-1988 11100

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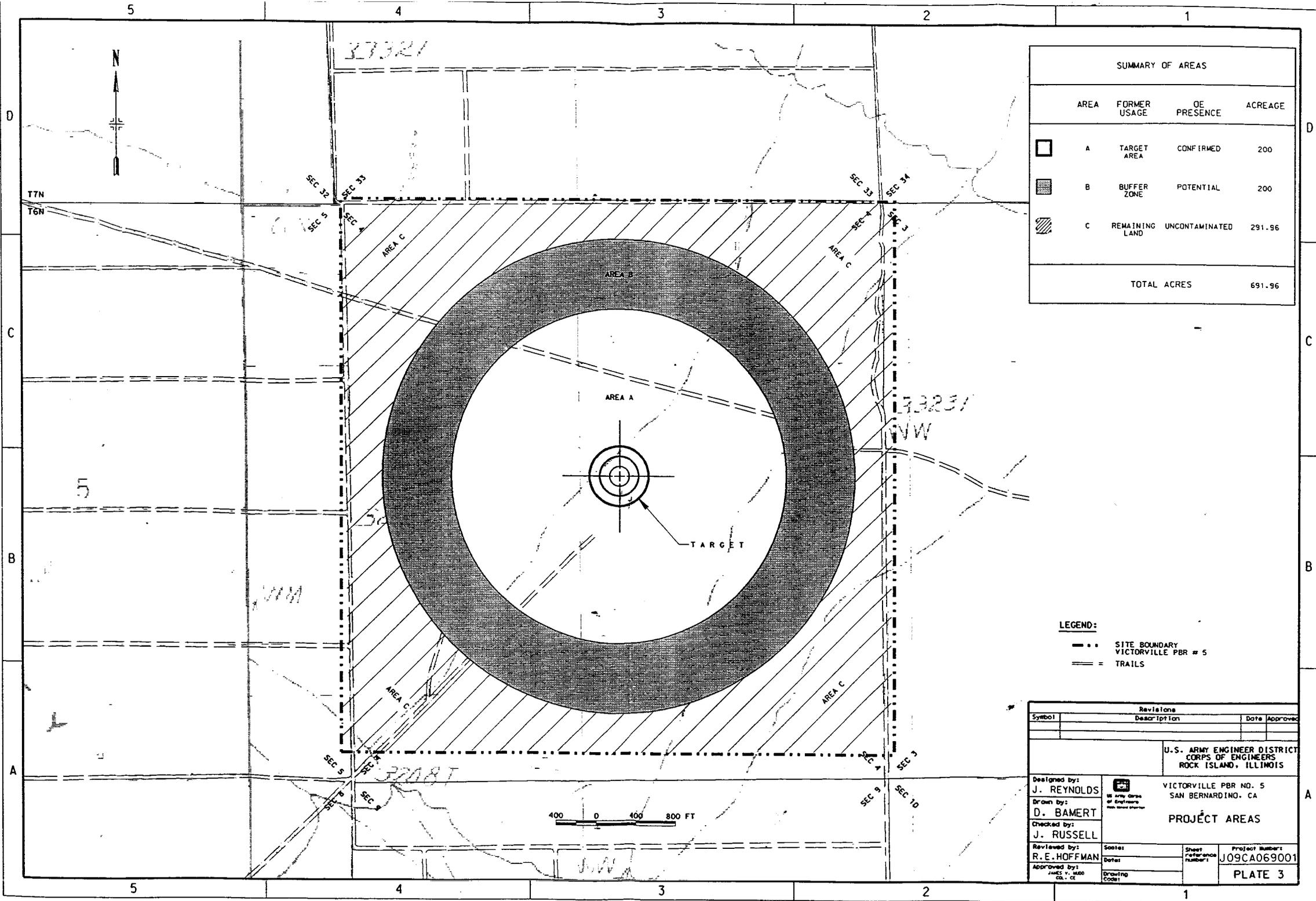
**LEGEND:**

- SITE BOUNDARY VICTORVILLE PBR # 5
- == TRAILS

NOTE:  
 DIRECTION OF AIRCRAFT APPROACH

| Revisions  |             | Date  |  | Approved                                    |  |
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| Symbol   | Description |   |  |   |  |
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| Drawn by:<br>D. BAMERT   |             |   |  | RANGE LAYOUT<br>CIRCA 1943                  |  |
| Checked by:<br>J. RUSSELL  |             | Reviewed by:<br>R. E. HOFFMAN   |  | Project Number:<br>J09CA069001              |  |
| Approved by:<br>[Signature]  |             | Date:   |  | Sheet Reference Number:                     |  |
| Drawing Code:  |             | Drawing Code:   |  | PLATE 2                                     |  |

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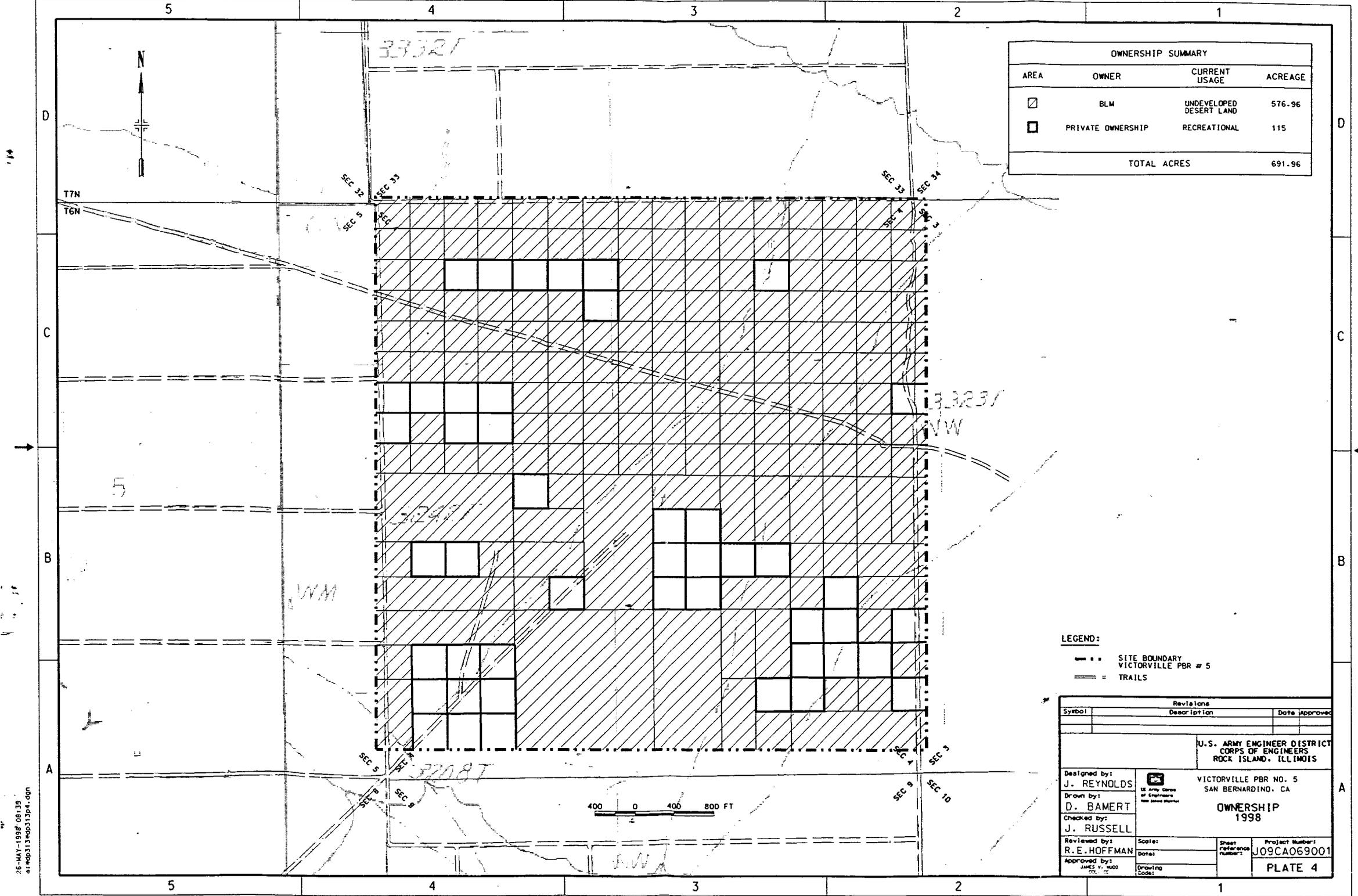


| SUMMARY OF AREAS |                  |                |         |
|------------------|------------------|----------------|---------|
| AREA             | FORMER USAGE     | OE PRESENCE    | ACREAGE |
| □                | A TARGET AREA    | CONFIRMED      | 200     |
| ■                | B BUFFER ZONE    | POTENTIAL      | 200     |
| ▨                | C REMAINING LAND | UNCONTAMINATED | 291.96  |
| TOTAL ACRES      |                  |                | 691.96  |

**LEGEND:**

- SITE BOUNDARY VICTORYVILLE PBR # 5
- == TRAILS

| Revisions  |  | Date                    | Approved                              |
|--|--|-------------------------|---------------------------------------|
| Symbol   | Description                                  |                         |                                       |
|  |  |                         |                                       |
| U.S. ARMY ENGINEER DISTRICT<br>CORPS OF ENGINEERS<br>ROCK ISLAND, ILLINOIS |  |                         |                                       |
| Designed by:<br><b>J. REYNOLDS</b>   | VICTORYVILLE PBR NO. 5<br>SAN BERNARDINO, CA |                         |                                       |
| Drawn by:<br><b>D. BAMERT</b>  | <b>PROJECT AREAS</b>                         |                         |                                       |
| Checked by:<br><b>J. RUSSELL</b>   |  |                         |                                       |
| Reviewed by:<br><b>R. E. HOFFMAN</b>                                       | Date:  | Sheet reference number: | Project number:<br><b>J09CA069001</b> |
| Approved by:<br><b>JAMES V. HADD</b><br>COL. CE                            | Date:  | Drawing Code:           | <b>PLATE 3</b>                        |

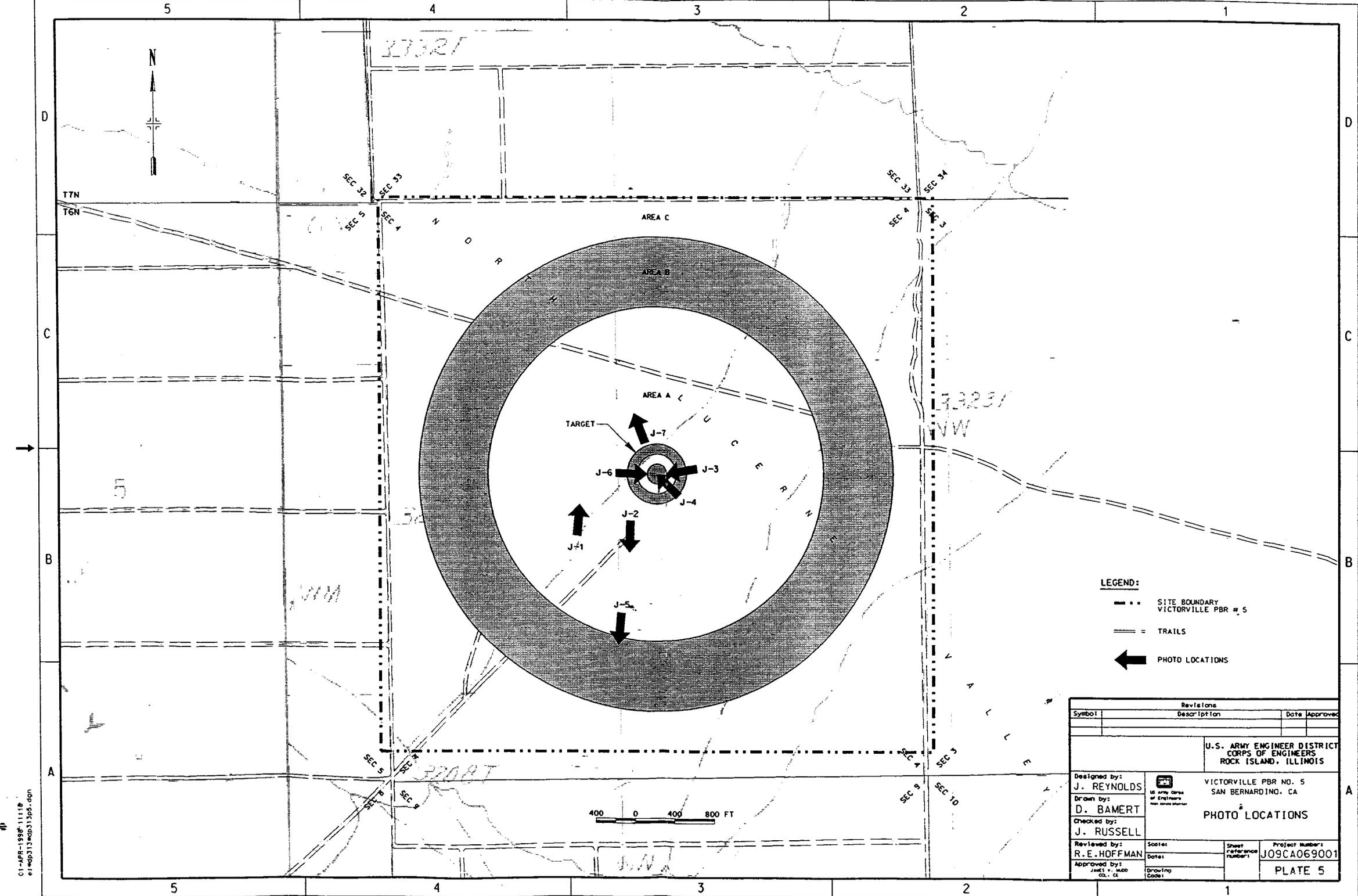


| OWNERSHIP SUMMARY |                   |                         |         |
|-------------------|-------------------|-------------------------|---------|
| AREA              | OWNER             | CURRENT USAGE           | ACREAGE |
| ☑                 | BLM               | UNDEVELOPED DESERT LAND | 576.96  |
| ☐                 | PRIVATE OWNERSHIP | RECREATIONAL            | 115     |
| TOTAL ACRES       |                   |                         | 691.96  |

**LEGEND:**  
 - - - SITE BOUNDARY VICTORVILLE PBR # 5  
 = TRAILS

| Revisions  |             | Date  |   | Approved        |  |
|--|-------------|---|---|-----------------|--|
| Symbol   | Description |   |   |                 |  |
| U.S. ARMY ENGINEER DISTRICT<br>CORPS OF ENGINEERS<br>ROCK ISLAND, ILLINOIS |             |   |   |                 |  |
| Designed by:<br><b>J. REYNOLDS</b>   |             | <br>U.S. Army Corps of Engineers<br>1111 11th Street | VICTORVILLE PBR NO. 5<br>SAN BERNARDINO, CA |                 |  |
| Drawn by:<br><b>D. BAMERT</b>  |             |   | <b>OWNERSHIP<br/>1998</b>                   |                 |  |
| Checked by:<br><b>J. RUSSELL</b>   |             | Scale:  |   | Project Number: |  |
| Reviewed by:<br><b>R. E. HOFFMAN</b>                                       |             | Date:   |   | J09CA069001     |  |
| Approved by:<br><b>JAMES A. 4400</b>                                       |             | Drawing Code:   |   | PLATE 4         |  |

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 41 MDP313 MDP313P4.dgn



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 01-MR-1999-1111.P.dgn

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 - - - SITE BOUNDARY  
 VICTORVILLE PBR # 5  
 = TRAILS  
 ← PHOTO LOCATIONS

| Revisions  |   |   |                                |
|--|---|---|--------------------------------|
| Symbol   | Description   | Date  | Approved                       |
|  |   |   |                                |
| U.S. ARMY ENGINEER DISTRICT<br>CORPS OF ENGINEERS<br>ROCK ISLAND, ILLINOIS |   |   |                                |
| Designed by:<br>J. REYNOLDS  | <br>U.S. Army Corps of Engineers<br>Rock Island District | VICTORVILLE PBR NO. 5<br>SAN BERNARDINO, CA |                                |
| Drawn by:<br>D. BAMERT   |   | PHOTO LOCATIONS                             |                                |
| Checked by:<br>J. RUSSELL  | Reviewed by:<br>R. E. HOFFMAN   | Scale:                                      | Project Number:<br>J09CA069001 |
| Approved by:<br>JAMES M. HOFFMAN<br>COL, USAF                              | Date:   | Sheet Reference Number:                     | PLATE 5                        |
|  |   | Drawing Code:                               |                                |