DEPARTMENT OF THE ARMY
HEADQUARTERS FORT HUACHUCA
FORT HUACHUCA, ARIZONA 85613

SEP 20 1984

REPLY TO
ATTENTION OF

Facilities Engineering Directorate

Mr. Richard Gessner
Chief of Operations
Arizona Department of Water Resources
99 East Virginia, Suite 100
Phoenix, Arizona 85004

Dear Mr. Gessner:

A Notice of Application to Appropriate Water, Number 33-89113 from your office was received by Fort Huachuca on March 29, 1984. The notice advised of the application by the Southland Utilities Company, Tucson, Arizona, for a permit to appropriate water, construct a reservoir and store water for benefical use. The notice provided that persons desiring to protest against the granting of such permit shall file a signed statement with your office setting forth objections.

The enclosed Statement of Protest is submitted for your consideration. Although the Date of Posting was not indicated on the notice, informal coordination with your office revealed that the Date of Posting is April 7, 1984, and that a protest submitted after the 60-day period following the Date of Posting might still be accepted. Because of the impact that a protest from Fort Huachuca might have on the applicant, it was considered necessary to review the matter in depth and provide information that would confirm the basis for a protest. To accomplish this, the matter was referred to the Los Angeles District, Corps of Engineers who have the qualified personnel and resources to conduct this type of study. Because of the scope of the study, data for the protest could not be compiled within the 60-day time limit.

Your review and consideration of the protest at this time will be appreciated. Should you have any questions, please contact Mr. Hedgcock, telephone 538-3420.

Sincerely,

Karl F. Nehammer
Colonel, Armor
Commander

Enclosure

ATTACHMENT 2

USF200010920

DEPARTMENT OF THE ARMY

HEADQUARTERS FORT HUACHUCA

FORT HUACHUCHA ARIZONA

STATEMENT OF PROTEST

APPLICATION TO APPROPRIATE WATER - NO. 33-89113

Date Prepared: September 17, 1984

The attached information is submitted to the Arizona Department of Water Resources in protest of the Application to Appropriate Water by the Southland Utilities Company, Tucson, Arizona.

Karl F. Nehammer
Colonel, Armor
Commanding

USF200010921

STATEMENT OF PROTEST

1. The Arizona Department of Water Resources (AZDWR) has received a request from the Southland Utilities Company of Tucson, Arizona, for a permit to divert approximately 1,400 acre-feet of water per annum (868 GPM or 456.2 million gallons per year) for domestic, commercial, and business use. This proposed appropriation, according to AZDWR water statutes, is for beneficial purposes. The proposed withdrawal is from subflow tributary flow to the San Pedro River from an area approximately 2 miles from the east boundary of Fort Huachuca and approximately 6 miles southeast from one of the installation's main water sources. See enclosures 6 and 7 attached herewith. The proposed diversion site is located at or near Garden Canyon Creek, approximately 3 miles west of the San Pedro River. Based on a careful review of available data, a protest is hereby filed with the AZDWR against the proposed diversion of 1,400 acre-feet of water from the general vicinity of Fort Huachuca well field.

2. References.

a. US Geological Survey, "Water Resources of Fort Huachuca Military Reservation, Southeastern Arizona," Water Supply Paper 1819-D, prepared in cooperation with the US Army Electronic Proving Ground, Fort Huachuca, Arizona, 1966.

b. US Geological Survey, "Hydrologic Analysis of the Upper San Pedro Basin from the Mexico-United States International Boundary to Fairbank, Arizona, Open-File Report 82-752, July 1982.

c. US Army Engineer District, Los Angeles, "Report on Water Supply-Fort Huachuca and Vicinity, Arizona", Main Report and Appendices, 29 March 1974.

d. Abstract-Acquisition History Fort Huachuca Military Reservation, Cochise County, Arizona, undated.

e. Arizona Revised Statutes - Title 45 - Waters.

3. Technical Considerations.

a. The major water production wells for the Post and Sierra Vista, about 15 in number, are all clustered in an area near the main gate of the Post and can be contained in a circle of about 3 miles in diameter. The high concentration of wells in this locality has resulted in a substantial lowering of the water table under the wells.

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ections to the approval of the application.

a. Statement of the Injury Which Would Result to Protestant from Such Appropriation And Use : The subject notice identifies proposed withdrawal of 1,400 acre-feet per annum of water from an area approximately 2 miles southeast from the east boundary of Fort Huachuca and approximately 6 miles southeast from one of the installations main water sources. Our analysis indicates that the aquifer tapped by the Fort Huachuca well field, Sierra Vista, housing developments around Sierra Vista and the proposed withdrawal area are hydraulically continuous. Because of this hydraulic continuity, any pumping of wells and/or diversions of subflow to the San Pedro River at the proposed site will cause substantial drawdown in the Fort Huachuca well field. Mutual interference from the pumping of wells in the area has been deduced by aquifer tests and confirmed by long-term water level measurements in the area.

Historically, the water level contours have been comprised of prominent lobes pointing in an upstream direction in both the Babocomari and San Pedro Rivers indicating that groundwater discharges into these drainage channels and maintains perennial flow in the short reaches in the general vicinity of Fort Huachuca - Sierra Vista area and the Huachuca Vista area. Thus, groundwater from the mountain front, historically, moves northeastward downgradient and contributes part of the perennial flow of the San Pedro River at Charleston.

Simultaneously with this phenomenon, recharge to the groundwater reservoir occurs where the streams such as Garden Canyon Creek carrying storm runoff are above the water table and cross underlying aquifer material permeable enough to allow downward percolation of water. Thus, the groundwater reservoir is recharged along the east face of the Huachuca Mountains. Review of available literature indicates that recharge to the aquifers is small, and most water pumped by the existing wells in the Fort Huachuca area comes from storage. In recent years, two significant cones of depression have developed in the area due to pumping in the Fort Huachuca - Sierra Vista area and the Huachuca Vista area. The depression cone in the Fort Huachuca - Sierra Vista area is centered about the military post well field and appears to extend for approximately 4 miles, elongated in a northwest-southwest direction, along the mountain front. The cone of depression is approximately 1.5 miles wide.

The depression cone in the Huachuca Vista area extends approximately 3 miles along the Babocomari River, elongated in a southwest-northwest direction along the river channel. Heavy pumping in the Huachuca Vista area has apparently reversed the direction of groundwater flow along the reach of the Babocomari River for several miles downstream from Huachuca Vista. Groundwater that formerly followed the Babocomari River to the northeast has been diverted to the southwest and enters the depression cone around Huachuca Vista.

It is thus concluded that a direct interrelationship between surface and groundwater sources exists in the Fort Huachuca area, and that due to excessive groundwater withdrawls in the area, groundwater mining is currently taking place. In addition, groundwater that was formerly available to surface streams maintaining perennial flow in them is no longer available.

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It is equally clear that due to mutual interference and extension of the cones of depression resulting from proposed withdrawals in the vicinity of the existing pumping fields, existing wells may have to be pumped from deeper depths and may eventually run dry due to limited opportunity of groundwater recharge and replenishment in the area.

Furthermore, historical measurements at the gauging station in Garden Canyon (located near its mouth) indicate that spring flow and surface runoff potentially constitute approximately 900 acre-feet per annum of the Fort's water supply on a long-term basis. The proposed diversion of 1,400 acre-feet per annum by the Southland Utilities Company will deplete this potential water supply source for the Fort Huachuca well field.

b. The Basis of Protestant's Water Right and Date of Initiation of the Right:

(1) The Government acquired title to the lands comprising the Fort Huachuca military reservation from several sources as follows:

(a) The Post west of State Highway 90, hereinafter referred to as "Main Post," was originally acquired by withdrawal from the public domain in 1881 under the broad category of "military purposes." (This is designated as tracts A-100 and A-101 on map at Encl 8. It also includes a smaller parcel of land east of State Highway 90). Under the Federal Reserved Water Rights Doctrine, the water required to effectuate the purpose was included in the withdrawal from the public domain.

(b) Thirteen thousand four hundred sixty-three and 27/100 acres of the East Range (that portion east of State Highway 90) was acquired through the Bureau of Land Management (BLM) in August 1957 by withdrawal from the public domain. (That portion designated as "A" on map at Encl 8). In this transfer, with respect to water, the BLM included the following language:

> "(i) The withdrawal made by this order shall not extend to any waters in or upon the lands. Any waters not heretofore appropriated shall continue subject to appropriation, as may be authorized by applicable law. The Department of the Army shall not appropriate any of such waters except under applicable State Law."

There are no appropriable waters on this land.

(c) The remaining lands in the East Range were acquired from the State of Arizona by quit claim deed in 1957 except 1,536.47 acres belonging to the State of Arizona with the Government holding possession under an implied lease.

(d) In 1940, the War Assets Administration deeded tract A-101 to the State of Arizona for conservation of wildlife. In this deed, the US reserved the water rights to "those developed springs, and the water rights appertaining thereto, on the land herein conveyed and known as Garden Canyon and Huachuca Canyon..." This deed reserved to the Government the right of recapture of both title and possession.

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(e) In 1950, by correction deed, the Government conveyed tract A-100 to the State of Arizona for National Guard purposes. This deed conveyed the following:

> "Together with the following utilities located thereon:
>
> 1. Water system consisting of:
> A- Those springs, water rights and pipelines hereinafter specifically referred to.
> B- All of the water distribution system contained in Areas 1 - 6 inclusive, and Areas 7, 10, 13, and 14, and all pipelines in Areas 8, 9, 11 and 12 necessary to active service with the water system, and all wells located in Areas 12 and 14 with pumps, chlorinators and all connecting services coordinated with the water system of Fort Huachuca.
>
> ***
>
> TOGETHER with those developed springs and the water rights appertaining thereto, known as Garden Canyon and Huachuca Canyon situated on the following described property, heretofore conveyed by the United States of America to the State of Arizona for the use and benefit of its State Game and Fish Commission by deed dated January 14, 1949 and recorded March 31, 1949."

Inconsistently, this deed reserved to the US the right of recapture of possession but did not reserve the right of recapture of title.

(f) After recapture proceedings by the Secretary of the Air Force in 1951, the omission of the right of recapture of title to tract A-100 was recognized and proceedings were instituted to regain title. This resulted in an act by the Arizona Legislature authorizing the Governor to deed tract A-100 to the US. The Governor did so by deed, 9 September 1954, together with all appurtenances and improvements.

(2) Although it is evident that some of the resultant interrelationships could cause some confusion, it is the opinion of this Command that:

(a) Any appropriable water in the canyons in tract A-101 other than Garden and Huachuca Canyons was recaptured by the Government and the Federal Reserved Water Rights would apply. In this respect, the broad reason for withdrawal from the public domain remains the same-- "military purposes." It is our opinion that the recapture put the Government in the same position it was previously in.

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(b) There is no appropriable water in tract A-100 other than water from Huachuca and Garden Canyons located on Tract A-101. It is the opinion of this Command that our rights in this tract and the appropriable waters related thereto are acquired rights from the State of Arizona. During the brief time ownership was in the State of Arizona, there were no conveyances which would give any intervening land or water rights to any third party.

(c) There is no appropriable water on the lands obtained through the BLM. Consideration must be given only to groundwater (natural percolating water) hereinafter discussed.

(d) There is no appropriable water on any of the other lands obtained from the State of Arizona. Again, only groundwater (natural percolating water) must be considered.

(e) The United States, as owner of the land, has sole legal right to removal of the groundwater (natural percolating water) within the boundaries of Fort Huachuca, to the extent necessary to accomplish the Federal purpose for which the land was acquired. Cappeart v. US , 48L. Ed 2d 523 (1976). Unlike appropriable water in the State of Arizona, no regulatory structure exists for percolating groundwaters, although they constitute practically, if not actually, most of the underground waters in Arizona. The use of percolating groundwaters is limited only by the statutes (AR 45-301 to 328 (1956) as amended) requiring a filing of a notice of intent to drill and providing for the designation of critical groundwater areas, and by the judicial doctrine of reasonable use; i.e., "one may extract such water for reasonable beneficial use of the land from which the same is taken." Brister v. Cheatham , 75 ARIZ 227, 255, P.2d. 173, 178 (1953). In the Brister case, the Arizona Supreme Court declared authoritatively that Arizona groundwaters are divided into two categories: (1) natural percolating water and (2) underground channels or subterranean streams. The class of "natural percolating water" is governed by a rule of private property said to be founded in earlier decisions growing out of claims to water rights in the public domain and common analogies. Under this rule, percolating groundwaters belong to the owner of the soil, and its use is limited only by the doctrine of reasonable use. Thus, the Arizona tradition of prior appropriation is not applicable to percolating groundwater. The Arizona appropriation doctrine is limited in application to surface waters and waters in definite underground channels or subterranean streams. See Clark, Commentary, Arizona Groundwater Law: The Need for Legislation, 16 Arizona Law Review 709 (1974). The presumption is that underground waters are percolating in their nature, and one who asserts that they are not must prove his assertion affirmatively by clear and convincing evidence (Howard v. Perrin, 8 ARIZ 347, 76 P. 460).

The above facts and law constitute the basis for asserting the ownership of the water rights of the Fort Huachuca military reservation.

c. Protestant's Past and Present Use of Water Both as to Amount Used and Irrigated, or Use Made of Water, if Other Than Irrigation : The total present water consumption at Fort Huachuca, exclusive of sewage effluent irrigation, is about 3,000 acre-feet per year.

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The present 8 wells are capable of producing 4.7 million gallons per day (16-hour operation) or 5,300 acre-feet per year. The Canyon Springs produce additional water; however, because of limited data, no average annual yield figures are available.

It should be noted that the total present water consumption for the surrounding communities of Huachuca City and Sierra Vista is estimated at about 0.5 billion gallons per year, or about 1,500 acre-feet per year. Most of this water is obtained from wells. Thus, the total water consumption for the Post and the two surrounding communities of Huachuca City and Sierra Vista is approximately 4,500 acre-feet per year under present conditions.

The water is used for beneficial municipal purposes for military personnel living on the Post and those working on the installation.

Enclosures 2, 3, and 4, inclosed herewith, furnish the following information:

(1) Encl 2: Inventory of Water Wells and Springs showing locations and sources of water.

(2) Encl 3: Record of six water wells showing static water levels and drawdowns for the period of October 1979-April 1984.

(3) Encl 4: Water production figures for the period of 1963 - 1983 for the Fort Huachuca Post and reservation.

d. A Description of the Protestant's Land or Place of Use and the Point of Diversion of the Water: Fort Huachuca is located on the left-flank of the San Pedro basin in Cochise County, Southeastern Arizona, about 75 miles southeast of Tucson and 16 miles north of the International Boundary. The Fort Huachuca military reservation is irregularly shaped and comprises approximately 115 square miles (73,315 acres), of which one-third lies in the rugged terrain of the Huachuca Mountains and its foothills in the southwesterly portion of the reservation. The remainder of the area slopes northerly to the Babocomari River and northeasterly to the San Pedro River.

Fort Huachuca was established in 1881 for the support of Army troops in the Apache Indian Wars and has played a prominent part as an Army Training Center. In 1967, Fort Huachuca became the headquarters of the US Army Communications Command, recently renamed the US Army Information Systems Command, under which it has been functioning as of this date.

An abstract of Acquisition History of Fort Huachuca Military Reservation is inclosed herewith.

Water supply for the Post is currently obtained from 8 deep wells clustered in an area about 1/4 mile wide and 2 miles long between the Post's main gate and east gate, and from collection systems in the Huachuca Canyon and the Garden Canyon Spring areas. The accompanying figures, enclosures 6 and 7, show the locations of the Fort's wells, as well as the location of the proposed diversion of water by the Southland Utility Company.

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e. There May Also Be Filed with Such Statement Such Maps and Data as the Protestant May Care to Submit in Support of this Protest:

As referenced earlier, the following figures and data sheets are inclosed herewith in support of this protest:

(1) Encl 1: General Order No. 36 issued by Adjutant General's Office, Washington, dated 24 May 1883.

(2) Encl 2: Inventory of Water Wells and Springs showing locations and sources of water.

(3) Encl 3: Record of six wells showing static water levels and drawdowns for the period October 1979 to Arpil 1984.

(4) Encl 4: Water Production Figures for the period 1963-1983 for the Fort Huachuca Post and Reservation.

(5) Encl 5: Abstract-Acquisition History Fort Huachuca Military Reservaton, Cochise County, Arizona.

(6) Encl 6 & 7: Fort Huachuca wells and proposed point of diversion of water.

(7) Encl 8: Map of tracts A-100, A-101 and "A".

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Encl 1

COPY

GENERAL ORDERS,)
)
No. 36.)

HEADQUARTERS OF THE ARMY,
ADJUTANT GENERAL'S OFFICE,
Washington, May 24, 1883

By direction of the Secretary of War the following is announced for the information and guidance of all concerned:

By authority of the President of the United States, dated May 14, 1883, the military reservation at Fort Huachuca, Arizona Territory (originally declared by Executive Order of October 29, 1881, and announced in General Orders, No. 35, Headquarters Department of Arizona, series of 1881), is enlarged to embrace the following described limits, viz:

Beginning at a post marked U.S.M.R., No. 1, set in a mound of stone on a conical butte in the northern foot-hills of the Huachuca Mountains, which butte is about 6 miles distant from the post of Fort Huachuca, on the road to Harshaw, and about 500 yards south of said road, and running thence north, 1° 55' east, 287.71 chains, to a post marked U.S.M.R., No. 2, which post coincides in position with a post marked S.I.R., No. 3, of the southern boundary of the Babacomari grant, as surveyed by S.M. Allis; thence north, 82° 35' east, along the southern boundary of said grant, 524.74 chains, to a post marked U.S.M.R., No. 3, near to and west of the road from Fort Huachuca to Huachuca Station, on the New Mexico and Arizona Railroad; thence south, 21° 41' east, 511.21 chains to a post marked U.S.M.R., No. 4; thence south, 43° 41' east, 171.09 chains, to a post marked U.S.M.R., No. 5, near to and west of the road from Tanner's Canon to Charleston; thence south, 34° 15' west, 251.64 chains, to a post marked U.S.M.R., No. 6, set in a mound of stone on the foot-hills of the Huachuca Mountains, between Tanner's and Ramsey's Canons; thence along the water-shed separating these canons to the main water-shed of the Huachuca Mountains; thence along this water-shed to the point of beginning.

BY COMMAND OF GENERAL SHERMAN:

R. C. DRUM,
Adjutant General

OFFICIAL:

Assistant Adjutant General

Records of the Office of the Adjutant General.

Encl 1

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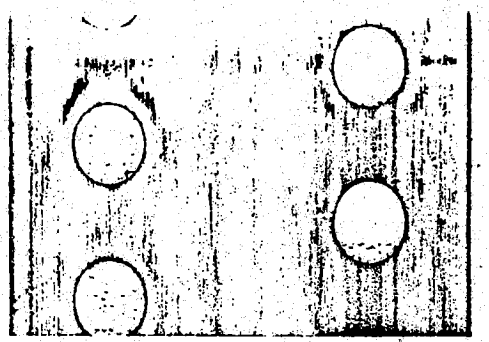

Encl 2

INVENTORY OF WATER RIGHTS CLAIMS

WATER WELLS

MAP NO.	NAME		LOCATION		USE		PURPOSE & EXTENT OF USE	Approx. Date of First Use
	DIVERSION	Water Course or Source	T, R & Sec G&SRM	Mil. Coord.	Quantity	Time of Year		
W1	Well #1.	Soldier Creek	NW¼NW¼NW¼ Sec 3 T22S, R20E	657910	DETAILED INFORMATION ON WATER WELLS AT TAB B			
W2	Well #2	Soldier Creek	NW¼NW¼NW¼ Sec 3 T22S, R20E	657910				
W3	Well #3	Soldier Creek	NW¼NE¼SE¼ Sec 33 T21S, R20E	655919				
W4	Well #4	Soldier Creek	NE¼NW¼NE¼ Sec 33 T21S, R20E	653925				
W5	Well #5	Soldier Creek	SW¼NE¼SW¼ Sec 28 T21S, R20E	646932				
W6	Well #6	Soldier Creek	NW¼NW¼SE¼ Sec 33 T21S, R20E	650919				
W7	Well #7	Soldier Creek	NW¼NW¼NW¼ Sec 22 T21S, R20E	659959				
W8	Well #8	Soldier Creek	NE¼SE¼NE¼ Sec 16 T21S, R20E	655972				
W9	Well #9	Soldier Creek	SW¼NW¼NW¼ Sec 10 T21S, R20E	658988				
WR1	Rembass Well 1	Graveyard Gulch	NE¼SW¼NE¼ Sec 26 T21S, R20E	685938				
WR2	Rembass Well 2	Graveyard Gulch	NE¼NW¼NE¼ Sec 23 T21S, R20E	684957				
WM1	Windmill #1	Soldier Creek	NE¼SE¼SW¼ Sec 34 T20S, R20E	672012				
WM2	Windmill #2	Soldier Creek	SW¼SE¼SW¼ Sec 27 T20S, R20E	672027				

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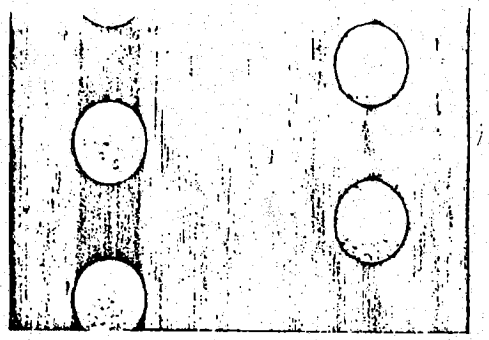

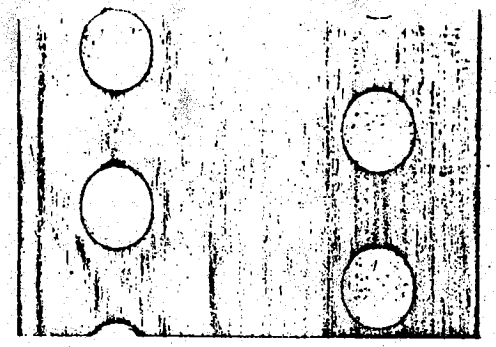

INVENTORY OF WATER RIGHTS CLAIMS

WATER WELLS

MAP NO.	NAME		LOCATION		USE		PURPOSE & EXTENT OF USE	Approx. Date of First Use
	DIVERSION	Water Course or Source	T, R & Sec G&SRM	Mil. Coord.	Quantity	Time of Year		
GW	Well	Garden Canyon	NW¼SE¼SE¼ Sec 29 T22S, R20E	638834				
SP	Spatial Res Well	Soldier Creek	SW¼NW¼NW¼ Sec 22 T21S, R20E	658958				
ERB	East Range Bunker Well	Graveyard Gulch	NW¼SE¼NW¼ Sec 7 T21S, R21E	712987				
TW1	Test Well #1		NW¼SW¼SE¼ Sec 20 T21S, R20E	636946				
TW2	Test Well #2		SE¼SW¼NW¼ Sec 30 T21S, R20E	612937				
TW3	Test Well #3		NE¼NE¼NE¼ Sec 16 T21S, R20E	655973				
TW4	Test Well #4		SW¼SE¼NE¼ Sec 16 T21S, R20E	669967				
TW6	Test Well #6		SE¼SW¼SW¼ Sec 36 T20S, R20E	683012				
TW7	Test Well #7		SE¼SW¼NW¼ Sec 11 T21S, R20E	675984				
TW8	Test Well #8		NW¼NW¼SW¼ Sec 13 T21S, R20E	689966				
TW9	Test Well #9		SW¼SW¼NW¼ Sec 17 T21S, R21E	723968				

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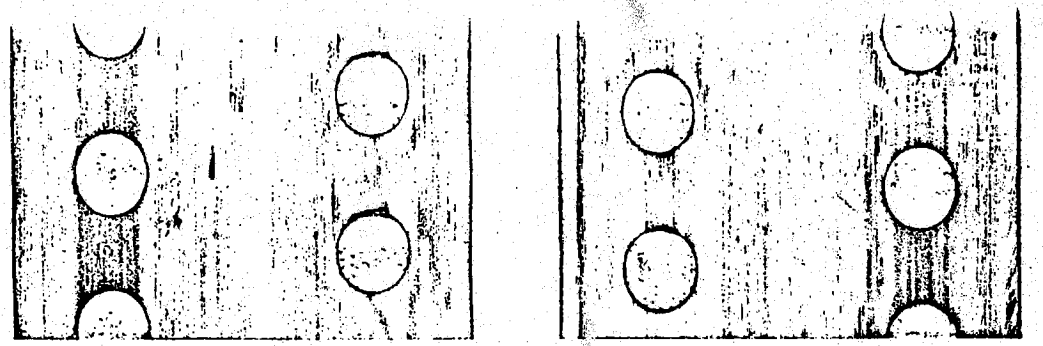

INVENTORY OF WATER RIGHTS CLAIMS

SPRINGS - POTABLE

UP NO.	NAME DIVERSION	NAME Water Course or Source	LOCATION T, R & Sec G&SRM	LOCATION Mil. Coord.	USE Quantity	USE Time of Year	PURPOSE & EXTENT OF USE	Approx. Date of First Use
SPP 1&2	Spring 1 & 2	Huachuca Canyon	NW¼SW¼ Sec 14 T22S, R19E	582 871			Augments the potable water system serving approx 16,000 persons	1877
SPP 3&3a	Spring 3 & 3a	Huachuca Canyon	NE¼NE¼ Sec 22 T22S, R19E	577 861			" "	"
SPP 4	Spring 4	Huachuca Canyon	NE¼NE¼ Sec 22 T22S, R19E	576 860			" "	"
			TOTAL - HUACHUCA CANYON		26.7	ANNUAL		
Picnic	Picnic Spring	Garden Canyon	NE¼SW¼ Sec 31 T22S, R20E	616 820			Augments the potable water system serving approx 16,000 persons	1877
Chain	Chain Spring	Garden Canyon	SW¼SW¼ Sec 31 T22S, R20E	613 819			" "	"
SPP1	Spring 1	Garden Canyon	SE¼SE¼ Sec 36 T22S, R19E	608 813			" "	"
SPP1a	Spring 1a	Garden Canyon	NE¼NE¼ Sec 1 T23S, R19E	608 812			" "	"
SPP1b	Spring 1b	Garden Canyon	SE¼SE¼ Sec 36 T22S, R19E	609 814			" "	"
SPP2	Spring 2	Garden Canyon	NE¼SW¼ Sec 1 T23S, R19E	602 804			" "	"
SPP3	Spring 3	Garden Canyon	NE¼SW¼ Sec 1 T23S, R19E	600 803			" "	"
SPP4	Spring 4	Garden Canyon	SW¼SW¼ Sec 1 T23S, R19E	597 802			" "	"
CABIN	Cabin Spring	Garden Canyon	SE¼SE¼ Sec 2 T23S, R19E	593 799			" "	"
			TOTAL - GARDEN CANYON		98.5	ANNUAL		

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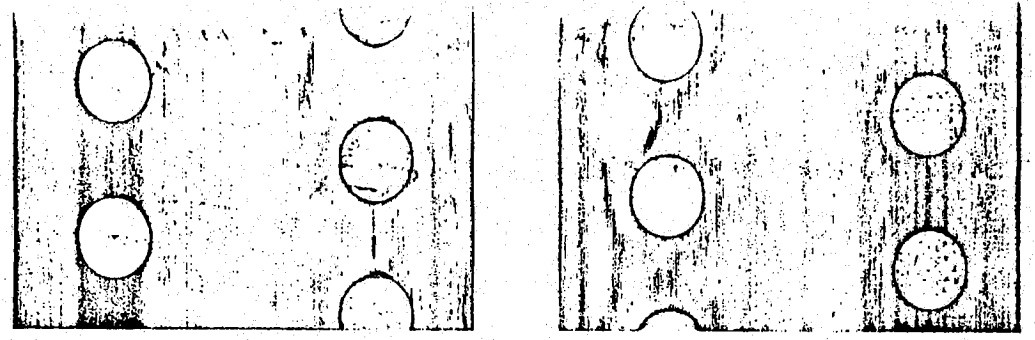

INVENTORY OF WATER RIGHTS CLAIMS

SPRINGS - NONPOTABLE

MAP NO.	NAME		LOCATION		USE		PURPOSE & EXTENT OF USE	Approx. Date of First Use
	DIVERSION	Water Course or Source	T, R & Sec G&SRM	Mil. Coord.	Quantity	Time of Year		
SP2	Spring #2	Tinker Canyon	NE¼SW¼ Sec 33 T22S, R20E	653 818	2.6		Wildlife Management, Game Water	1954
SP3	Spring #3	Tinker Canyon	SW¼SW¼ Sec 33 T22S, R20E	642 814	1.0		" " " "	"
SP4	Spring #4	Sawmill Canyon	SW¼SW¼ Sec 7 T23S, R20E	614 782	4.2		" " " "	"
SP5	Spring #5	McClure Canyon	NE¼SE¼ Sec 35 T22S, R19E	593 822	4.2		" " " "	"
SP6	Spring #6	McClure Canyon	NW¼SW¼ Sec 36 T22S, R19E	597 823	2.6		" " " "	"
SP7	Spring #7	McClure Canyon	SW¼NW¼ Sec 36 T22S, R19E	594 825	2.6		" " " "	"
SP8	Spring #8	Garden Canyon	SW¼NW¼ Sec 31 T22S, R20E	611 826	2.6		" " " "	"
SP9	Spring #9	Woodcutters Canyon	NW¼SE¼ Sec 25 T22S, R19E	605 838	4.2		" " " "	"
SP10	Spring #10	Woodcutters Canyon	SW¼SW¼ Sec 19 T22S, R20E	614 850	2.6		" " " "	"
SP11	Spring #11	Woodcutters Canyon	NE¼SW¼ Sec 20 T22S, R20E	632 854	1.0		" " " "	"
SP12	Spring #12	Soldier Creek	NE¼SE¼ Sec 7 T22S, R20E	625 884	1.0		" " " "	"
SP13	Spring #13	Soldier Creek	SW¼SW¼ Sec 13 T22S, R19E	596 869	2.6		" " " "	"
SP14	Spring #14	Huachuca Canyon	NW¼NE¼ Sec 27 T22S, R19E	573 848	2.6		" " " "	"

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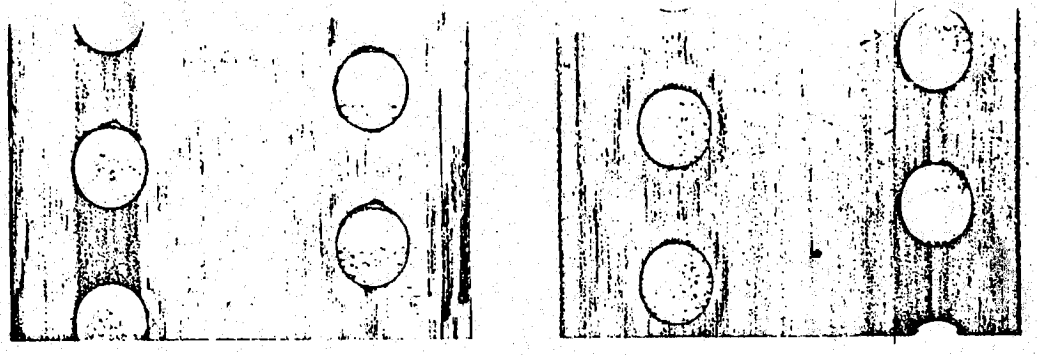

INVENTORY OF WATER RIGHTS CLAIMS

SPRINGS - NONPOTABLE

MP NO.	NAME		LOCATION		USE		PURPOSE & EXTENT OF USE	Approx. Date of First Use
	DIVERSION	Water Course or Source	T, R & Sec G&SRM	Mil. Coord.	Quantity	Time of Year		
SP15	Spring #15	Huachuca Canyon	NW¼SE¼ Sec 22 T22S, R19E	571 853	1.0	ANNUAL	Wildlife Management - Game Water	1954
SP16	Spring #16	Huachuca Canyon	NW¼SW¼ Sec 14 T22S, R19E	581 868	1.0	"	" " " "	"
SP17	Spring #17	Huachuca Canyon	SE¼NW¼ Sec 15 T22S, R19E	567 876	2.6	"	" " " "	"
SP18	Spring #18	Blacktail Canyon	NW¼NE¼ Sec 16 T22S, R19E	558 879	2.6	"	" " " "	"
SP19	Spring #19	Blacktail Canyon	SE¼NE¼ Sec 8 T22S, R19E	541 888	2.6	"	" " " "	"
SP20	Spring #20	Slaughter-House Canyon	NW¼NE¼ Sec 4 T22S, R19E	557 913	1.0	"	" " " "	"
SP21	Spring #21	Slaughter-House Canyon	SW¼SW¼ Sec 26 T21S, R19E	578 931	1.0	"	" " " "	"
SP22	Spring #22	Sycamore Canyon	NW¼SW¼ Sec 32 T21S, R19E	530 918	2.6	"	" " " "	"
SP23	Spring #23	Tributary to Garden Wash	NE¼SW¼ Sec 21 T22S, R20E	647 854	1.0	"	" " " "	"
SP24	Spring #24	Schellote Canyon	NW¼NW¼ Sec 7 T23S, R20E	613 797	1.0	"	" " " "	"
SP25	Spring #25	Tributary to McClure Cany	SW¼SW¼ Sec 36 T22S, R19E	601 818	1.4	"	" " " "	"

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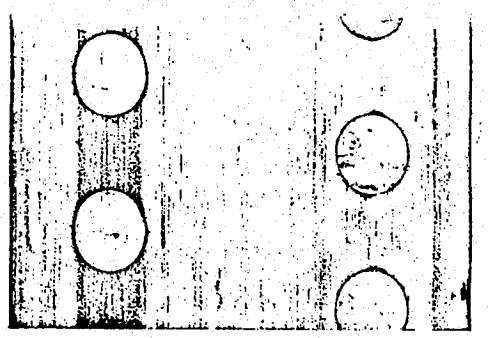

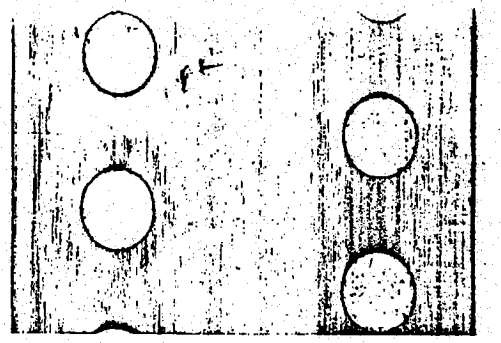

INVENTORY OF WATER RIGHTS CLAIMS
PONDS

MAP NO.	NAME		LOCATION		USE		PURPOSE & EXTENT OF USE	Approx. Date of First Use
	DIVERSION	Water Course or Source	T, R & Sec G&SRM	Mil. Coord.	Quantity	Time of Year		
1	Gravel Pit	Tributary to Woodcutters Canyon	NE¼SE¼ Sec 17 T22S, R20E	637 867	11.5	ANNUAL	Post Recreation and Wildlife Mgmt Fishing	1954
1a	Woodcutter	Woodcutter Canyon	NW¼SW¼ Sec 16 T22S, R20E	644 869	2.0	"	Erosion Control	1979
1b	Woodcutter	Woodcutter Canyon	NW¼NE¼ Sec 16 T22S, R20E	646 879	2.0	"	" "	"
1c	Woodcutter	Woodcutter Canyon	NE¼NW¼ Sec 10 T22S, R20E	665 893	4.5	"	" "	"
2	Golf Course	Tributary to Soldier Creek	NW¼NE¼, Sec 9 T22S, R20E	652 893	14.4	"	Post Recreation and Wildlife Mgmt Fishing	1954
3	Officers Club	Soldier Creek	NE¼SE¼ Sec 1 T22S, R19E	607 903	12.2	"	" "	"
4	Pan Am	Huachuca Canyon	SE¼SW¼ Sec 24 T21S, R19E	599 947	3.2	"	" "	"
5	Hidden	Blacktail Canyon	SE¼NW¼ Sec 28 T21S, R19E	554 940	5.6	"	" "	"
6	Lower Soldier Creek	Rock Spring Creek	NE¼NE¼ Sec 7 T22S, R20E	622 892	.6	"	" " (Erosion Control&Fishing)	"
7	Upper Soldier Creek	Rock Spring Creek	SE¼NE¼ Sec 13 T22S, R19E	606 874	1.6	"	Erosion Control	"
8	Fly	Soldier Creek	NE¼NE¼ Sec 12 T22S, R19E	607 894	.9	"	Post Recreation and Wildlife Mgmt Fishing	"
9	Sycamore	Sycamore Canyon	SE¼SW¼ Sec 20 T21S, R19E	535 946	6.	"	" "	"
10	Slaughter-House	Slaughter-House Canyon	SW¼SE¼ Sec 23 T21S, R19E	586 946	8.4	"	" " (Erosion Control&Fishing)	"

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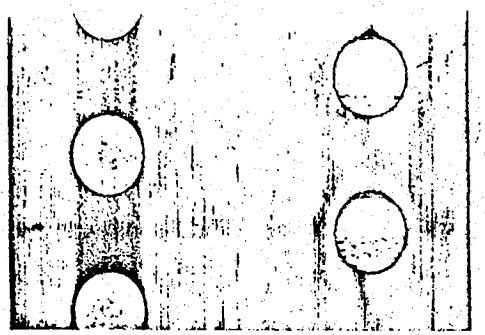

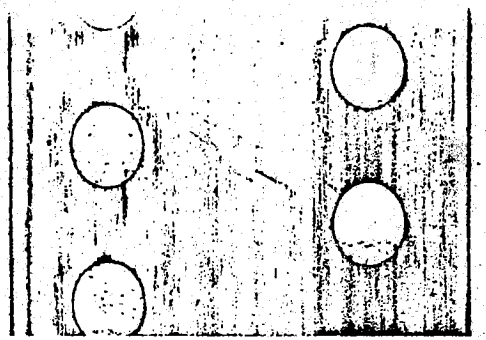

INVENTORY OF WATER RIGHTS CLAIMS

PONDS

MAP NO.	NAME		LOCATION		USE		PURPOSE & EXTENT OF USE	Approx. Date of First Use
	DIVERSION	Water Course or Source	T, R & Sec G&SRM	Mil. Coord.	Quantity	Time of Year		
11	Landing Strip	Coyote Canyon	NE¼NW¼ Sec 35 T21S, R19E	584 928	.9	ANNUAL	Erosion Control	1954
12	Buffalo Corral	Coyote Canyon	SW¼NE¼ Sec 26 T21S, R19E	587 939	1.5	"	" "	"
13	Blacktail	Blacktail Canyon	SE¼NE¼ Sec 16 T22S, R19E	558 876	.8	"	Post Recreation and Wildlife Mgmt Fishing	"
14	West Huachuca	Huachuca Canyon	NW¼NW¼ Sec 22 T22S, R19E	563 863	.7	"	" "	"
15	Huachuca Corral	Huachuca Canyon	NW¼SE¼ Sec 22 T22S, R19E	571 853	.4	"	Erosion Control	"
16	Boy Scout Cabin	Garden Canyon	NW¼SE¼ Sec 2 T23S, R19E	593 800	.5	"	Post Recreation and Wildlife Mgmt Fishing and Erosion Control	"
17	Upper Woodcutters	Woodcutter Canyon	NE¼SW¼ Sec 20 T22S, R20E	630 852	7.	"	Erosion Control	"
18	Lower Woodcutters	Woodcutter Canyon	NW¼SW¼ Sec 10 T22S, R20E	658 883	2.	"	" "	"
19	Antelope	Tributary to Babocomari R.	NW¼SW¼ Sec 16 T21S, R19E	546 965	4.8	"	Post Recreation and Wildlife Mgmt Fishing and Game Water	"
20	Power Line	Blacktail Canyon	NW¼SW¼ Sec 27 T21S, R19E	557 935	1.3	"	Game Water	"
21	North	Tributary to Babocomari R.	SW¼NE¼, Sec 15 T21S, R19E	568 973	.3	"	" "	"
22	Huachuca Canyon	Huachuca Canyon	NW¼SW¼, Sec 14 T22S, R19E	580 868	.2	"	Erosion Control	"
23	Lower Huachuca	Huachuca Canyon	SE¼SE¼ Sec 7 T21S, R20E	623 975	4.8	"	" "	"

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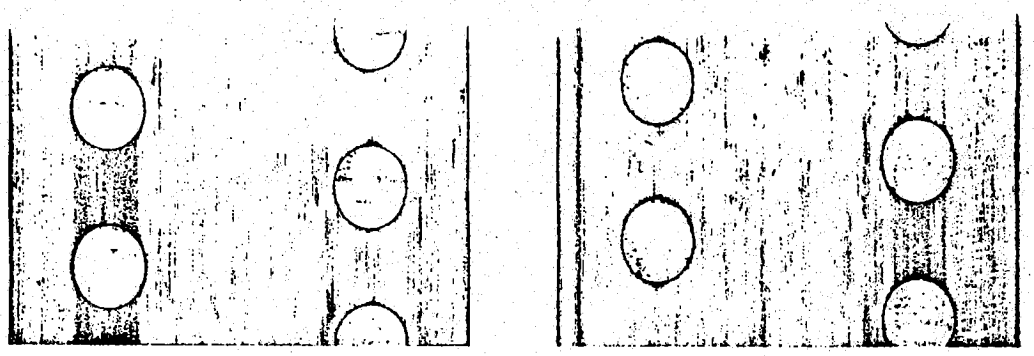

INVENTORY OF WATER RIGHTS CLAIMS

PONDS

MAP NO.	NAME		LOCATION		USE		PURPOSE & EXTENT OF USE	Approx. Date of First Use
	DIVERSION	Water Course or Source	T, R & Sec G&SRM	Mil. Coord.	Quantity	Time of Year		
24	Lower Blacktail	Blacktail Canyon	NW¼NE¼ Sec 22 T21S, R19E	573 958	.5	ANNUAL	Post Recreation and Wildlife Mgmt Game Water	1954
25	Unknown West	Slaughter-House Wash	SW¼NE¼ Sec 14 T21S, R19E	589 971	.2	"	" "	"
26	Lower Garden	Garden Canyon	SW¼SW¼ Sec 23 T22S, R20E	674 844	3.0	"	Erosion Control	"
27	Lower Fly	Soldier Creek	NW¼SW¼ Sec 6 T22S, R20E	608 896	6.0	"	" "	"
28	Upper Horse Pasture	Soldier Creek	SW¼SW¼ Sec 6 T22S, R20E	611 894	.8	"	" "	"
29	Lower Horse Pasture	Soldier Creek	SE¼SW¼ Sec 6 T22S, R20E	614 895	.9	"	" "	"
30	Upper Garden	Garden Canyon	NW¼SE¼ Sec 2 T23S, R19E	587 802	.4	"	Post Recreation and Wildlife Mgmt Fishing	"
31	Fairway	Soldier Creek	SW¼NE¼ Sec 4 T22S, R20E	653 903	.4	"	Erosion Control	"
32	Sediment #1	Soldier Creek	NE¼SE¼ Sec 33 T21S, R20E	655 916	.3	"	" "	"
33	Sediment #2	Soldier Creek	SE¼SW¼ Sec 28 T21S, R20E	652 926	.3	"	" "	"
34	Sediment #3	Soldier Creek	SE¼SE¼ Sec 21 T21S, R20E	653 944	16.5	"	Effluent from Sewage Plant - Evaporation	"
34a	Sediment	Soldier Creek	NE¼SE¼ Sec 21 T21S, R20E	654 948	2.5	"	" "	1978
34b	Sediment	Soldier Creek	SE¼NE¼ Sec 21 T21S, R20E	652 953	1.7	"	" "	"

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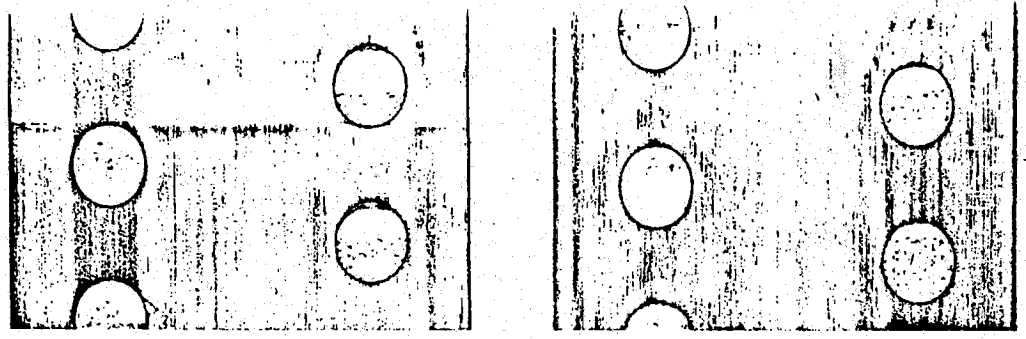

INVENTORY OF WATER RIGHTS CLAIMS
PONDS

MAP NO.	NAME		LOCATION		USE		PURPOSE & EXTENT OF USE	Approx. Date of First Use
	DIVERSION	Water Course or Source	T, R & Sec G&SRM	Mil. Coord.	Quantity	Time of Year		
34c	Sediment	Soldier Creek	NE¼NE¼ Sec 21 T21S, R20E	654 958	1.0	ANNUAL	Effluent from Sewage Plant - Evaporation	1978
34d	Sediment	Soldier Creek	NW¼NW¼ Sec 15 T21S, R20E	660 972	4.0	"	" " and Erosion Control	"
35	East #1	Soldier Creek	SE¼SE¼ Sec 16 T21S, R20E	653 963	3.6	"	Erosion Control and Fishing	1954
36	East #2	Tributary to Babocomari R.	NE¼NE¼ Sec 4 T21S, R20E	656 007	.9	"	Erosion Control	"
37	East #3	Tributary to San Pedro R.	SE¼NE¼ Sec 14 T21S, R20E	686 968	3.2	"	" "	"
38	East #4	Soldier Creek	SE¼SW¼ Sec 27 T21S, R20E	664 931	4.1	"	" "	"
39		Tributary to Sycamore Cany.	NW¼SW¼ Sec 32 T21S, R19E	531 919	1.4	"	Fishing	"
39a		Tributary to Sycamore Cany.	SE¼NE¼ Sec 31 T21S, R19E	528 922	.5	"	Erosion Control	"
a	Dam	Tributary to Garden Canyon	NE¼NW¼ Sec 33 T22S, R20E	649 829	.5	"	Game Water	"
b	Dam	Tributary to Graveyard Gich	SW¼SE¼ Sec 18 T21S, R21E	713 963	.5	"	Erosion Control	1977
c	Dam	Tributary to Graveyard Gich	NE¼SW¼ Sec 17 T21S, R21E	724 966	.5	"	" "	"
d	Dam	Tributary to Graveyard Gich	SW¼NW¼ Sec 20 T21S, R21E	723 954	.5	"	" "	"
e	Dam	Tributary to Graveyard Gich	NW¼NW¼ Sec 20 T21S, R21E	724 956	.5	"	" "	"

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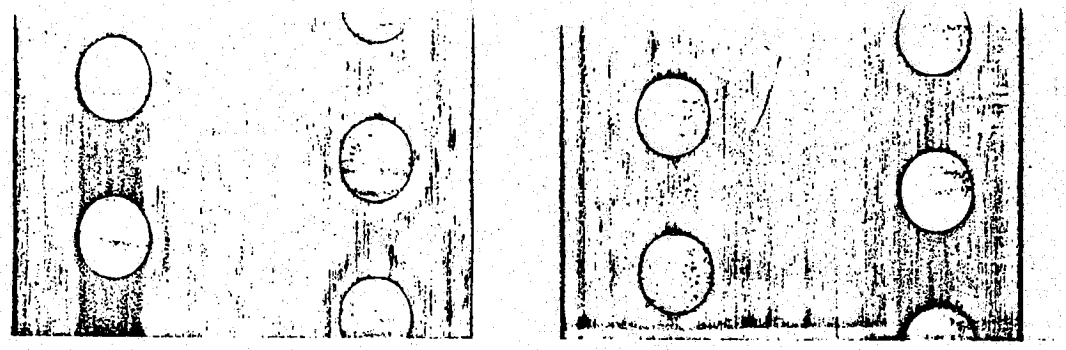

INVENTORY OF WATER RIGHTS CLAIMS

PONDS

MAP NO.	NAME		LOCATION		USE		PURPOSE & EXTENT OF USE	Approx. Date of First Use
	DIVERSION	Water Course or Source	T, R & Sec G&SRM	Mil. Coord.	Quantity	Time of Year		
f	Dam	Tributary to Graveyard Glch	SE¼NE¼ Sec 19 T21S, R21E	718 953	.5	ANNUAL	Erosion Control	1977
g	Dam	Tributary to Graveyard Glch	SE¼SE¼ Sec 18 T21S, R21E	718 963	.5	"	" "	"
h	Dam	Tributary to Soldiers Creek	NE¼SW¼ Sec 10 T21S, R20E	643 984	.5	"	" "	"
i	Dam	Tributary to Soldiers Creek	SE¼NW¼ Sec 10 T21S, R20E	645 986	.5	"	" "	"
j	Dam	Tributary to Soldiers Creek	SE¼NE¼ Sec 10 T21S, R20E	649 984	.5	"	" "	"
k	Dam	Tributary to Soldiers Creek	SE¼SE¼ Sec 3 T21S, R20E	672 994	.5	"	" "	"
l	Dam	Tributary to Soldiers Creek	NE¼NE¼ Sec 9 T21S, R20E	667 995	.5	"	" "	"
m	Dam	Huachuca Wash	NW¼NE¼ Sec 36 T21S, R19E	602 927	2.8	"	" " and Fishing	1979
n	Dam	Garden Washes	NE¼NE¼ Sec 28 T22S, R20E	657 844	5.2	"	" " "	"
o	Dam	Tributary to Sycamore Wash	SE¼SE¼ Sec 31 T21S, R19E	528 917	.5	"	" "	1954
p	Dam	Tributary to Garden Canyon	NW¼NE¼ Sec 15 T22S, R20E	669 876	.5	"	" "	"
q	Dam	Tributary to Huachuca Cany	NW¼SE¼ Sec 18 T21S, R20E	618 963	.5	"	Game Water	"
r	Dam	Tributary to San Pedro R.	SE¼NW¼ Sec 21 T20S, R21E	753 053	.3	"	Game Water	1976

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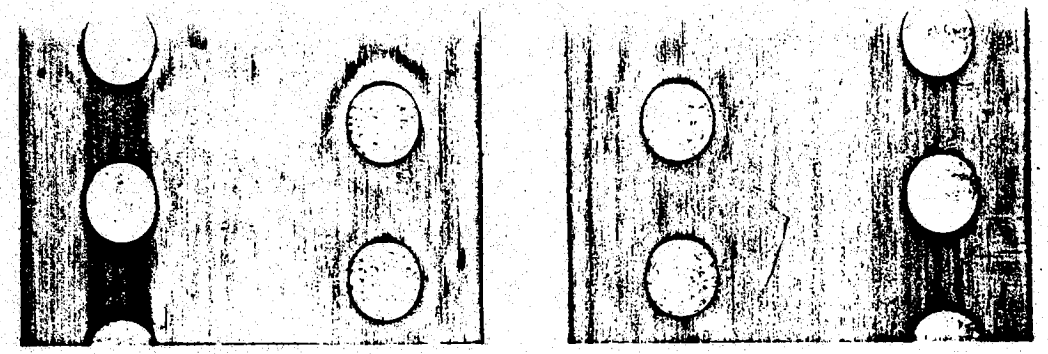

		Well #1		Well #2		Well #3		Well #4		Well #5		Well #6	
		1		3		5	6	7	8	9	10	11	12
		Static water level, below ground	Drawdown	Static water level, below ground	Drawdown	Static water level, below ground	Drawdown	Static water level, below ground	Drawdown	Static water level, below ground	Drawdown	Static water level, below ground	Drawdown
18-11-25	Oct 73	523.6	42.4	523.6	41.6	495.3	47.4			475.7	53.1	515.7	22.0
	Oct 73					491.1	48.6			475.7	49.1	515.1	23.3
	Oct 74	495.3	52.6			485.	53.			472.2	52.0	511.1	23.1
	Aug 75			521.7	40.4	485.	40.			478.0	50.2	514.6	20.7
	Jan 76			513.3	51.5	490.7	47.35			476.33	49.66	512.25	20.79
	Feb 76	518.4	47.3	512.2	39.3								
	Sep 76	526.5	48.5	521.5	45.0	491.4	50.3	491.9	23.1	478.	48.5	514.6	18.5
	Aug 77	523.	41.6	516.	32.3	494.3	50.3	485.5	25.4	480.	111.7	512.3	20.9
	Sep 77	523.	43.7	520.3	39.3	494.2	48.5	491.1	23.1	482.3	108.5	526.1	18.5
	Nov 77	520.7	37.0	513.4	41.6	489.6	47.5	489.6	23.1	481.5	106.2	521.5	20.9
	Jul 78	518.4	43.9	515.7	32.4	496.5	50.9	487.3	22.7	480.3	106.8	512.3	23.1
	Oct 78	516.1	41.6	513.4	32.3	498.8	48.5	491.9	23.1	482.5	108.6	519.2	25.4

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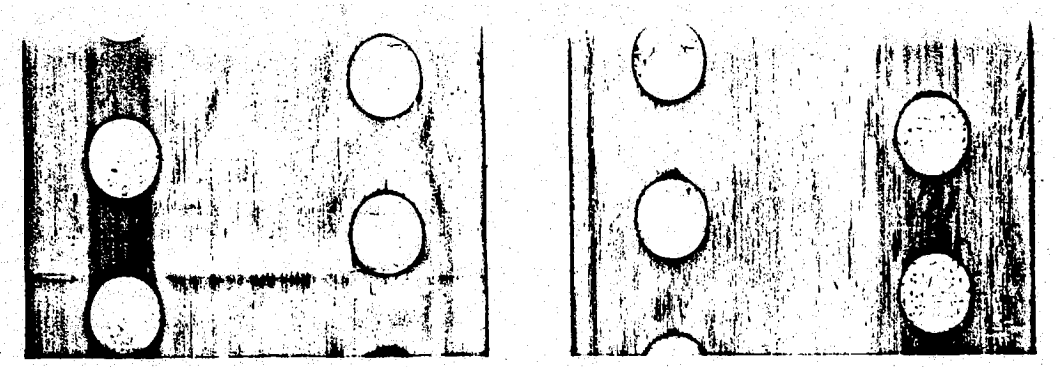

Ind. 4

	Well # 1		Well # 2		Well # 3		Well # 4		Well #5		Well #6	
	1	2	3	4	5	6	7	8	9	10	11	12
	Static water level, below ground	Drawdown	Static water level, below ground	Drawdown	Static water level, below ground	Drawdown	Static water level, below ground	Drawdown	Static water level, below ground	Drawdown	Static water level, below ground	Drawdown
Feb 79	516.1	41.6	513.4	34.7	494.3	50.8	491.9	20.8	484.5	108.6	516.9	23.1
May 79	513.8	41.6	511.1	34.6	494.2	50.8	491.9	23.1	484.5	110.9	512.3	20.8
Jul 79	518.4	41.6	515.7	37.0	496.5	48.5	491.2	20.8	484.5	113.2	521.5	23.1
Nov 79	516.1	41.6	513.4	37.0	498.3	48.5	496.5	43.5	484.5	113.2	521.5	23.1
Feb 80	516.1	41.6	513.4	32.3	496.5	50.8	491.9	20.8	484.8	108.6	516.9	23.1
May 80	518.4	46.2	518.	37.	496.5	50.8	494.2	23.9	486.8	115.5	516.9	25.4
Sep 80	516.1	45.9	513.4	37.0	498.8	50.8	494.2	20.8	487.1	113.2	521.5	23.1
Dec 80	516.1	43.9	513.4	37.0	498.8	50.8	494.2	20.8	486.?	113.2	521.5	23.1
Feb 81	516.1	43.9	513.4	37.0	498.8	50.8	491.9	23.1	484.1	113.2	521.5	20.8
May 81	520.7	46.2	520.3	32.41	498.8	50.8	494.2	23.1	484.1	113.2	523.8	23.1
Aug 81	520.7	43.9	518.	37.3	501.1	50.8	494.2	20.8	484.1	110.9	523.8	23.1
JAN 82	518.4	41.6	515.7	31.0	501.1	53.3	494.2	20.8			523.8	20.8
JUN 82	527.6	50.9	525	43.8	503.4	50.9	496.5	23.1	448.3	113.2	523.8	23.1
Sep 82	523	43.9	518	39.3	501.1	50.8	496.5	23.1	446.3	108.6	536.1	20.8
MAY									448.3	113.2		
JAN 83	527.1	48.6	522.6	46.2	501.1	50.8	494.2	20.8			523.8	20.8
FEB 83									446	106.3		
Nov 83	527.6	55.5	525.	48.5	485.	62.31	494.2	20.8	470.58	104.02	498.4	64.7
Apr 84	529.9	52.37	-	50.82	503.39	48.51	496.76	20.72	470.58	103.45	500.08	20.79

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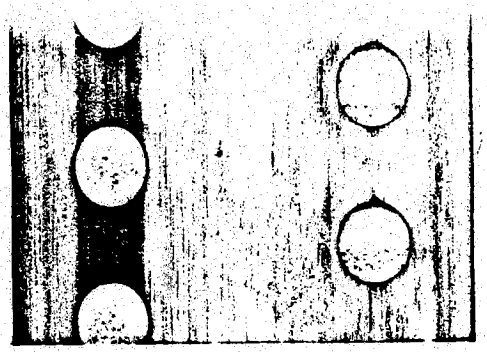

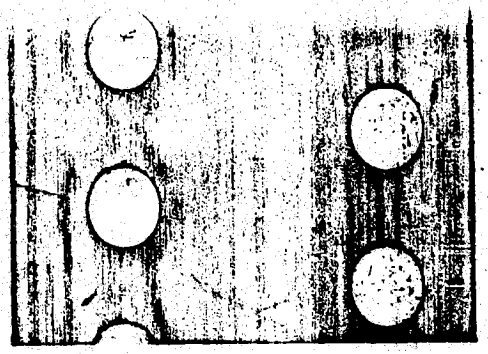

Incl. 3

Water Production

	Kgals
FY83	954419
82	846,316
81	976,376
80	922,974
79	854887
78	758,130
77	695,475
76	239,927
76	901,333
75	846,266
74	1091,870
73	906,175
72	1025,758
71	1037,146
70	1081,377
69	1063,013
68	947,762
67	987,262
66	880,762
65	858,923
64	805,298
63	940,754

893,920 x 10^3 Gallons/yr

(average annual pumpage)

USF200010942

Incl 5

ABSTRACT

ACQUISITION HISTORY

FORT HUACHUCA MILITARY RESERVATION

COCHISE COUNTY - ARIZONA

A. ACQUISITION - Military Reservation:

1. Originally declared and set apart for the post of Camp Huachuca, ArizonaTerritory, by Executive Order No. 55, dated October 29, 1881. No acreage recited in Executive Order.

2. Original area enlarged by Executive Order No. 56, dated May 14, 1883. No acreage recited in Executive Order. (Area covered by Executive Orders 55 and 56, determined to be 44,800 acres, comprising the Military Reservation proper)

3. Identification as Camp Huachuca was changed to Fort Huachuca, by General Order No. 2, Headquarters Military Division of Pacific Department of California in 1882 and by General Order No. 8, War Department in 1937.

4. Department of Agriculture, granted a right for source of materials for road construction, by Secretary of War, dated July 9, 1938, pursuant to the authority conferred on him by Provisions of Section 17 of the Act of November 9, 1921. Area described as $E\frac{1}{2}NW\frac{1}{4}NE\frac{1}{4}$ and $W\frac{1}{2}NE\frac{1}{4}NE\frac{1}{4}$, Section 4, in T22S, R20E, B&SEB&M., Cochise County, Arizona. This right was relinquished December 8, 1938.

B. ADDITIONAL ACQUISITION - Field Artillery Range:

5. Real Estate Directive No. 670, dated March 14, 1942, authorized fee land acquisition for extension to Fort Huachuca Military Reservation, Arizona, containing approximately 34,960 acres, adjacent to Fort Huachuca, for use as a Field Artillery Range. Covers Tract A (which includes former tract 45), Tract B and 1 thru 44.

6. Public Land Order No. 16, dated July 21, 1942, withdrew Tract A (which includes former Tract 45), Department of the Interior Land, containing approximately 8, 853.18 acres, for use of War Department as a Field Artillery Range. PLO No. 16 was limited to the duration of the national emergency, plus 6 months by Executive Order No. 9526, dated February 28, 1945, which ended October 28, 1952.

7. Agreement, dated November 2, 1942, obtained from El Paso and Southwestern Railroad Company and Southern Pacific Company, by the United States of America, for a water and gas line crossing within railroad right-of-way, East of main gate entrance at Fry. Identified as Tract 1, containing approximately .08 acres.

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8. Real Estate Directive No. 670A, dated August 21, 1948, authorized fee acquisition of additional land for the Artillery Range, containing approximately 1,129.88 acres, Sections 27, 33, and portion of 34 in T20S R20E, identified as Tract 6B.

9. Real Estate Directive No. 670B, dated September 7, 1948, amends Real Estate Directive No. 670, by amending acquisition of 2 parcels of land (Tracts 16 and 57, Boquillas Land and Cattle Company(, from fee to leasehold interest by the Government. Acreage in Directive totals 2,861.24 acres. Area actually leased totals 3,219.92 acres. Lease No. W04-193-ENG-3031.

10. Public Land Order No. 251, dated November 22, 1944, withdrew Tract B, Department of the Interior Land, containing 80 acres, for use of the War Department as an Artillery Range. Limited to the duration of the national emergency plus 6 months, which ended October 28, 1952, identified as S½NE¼, Section 34, T20S, R20E.

11. Tracts 16 and 57, Boquillas Land and Cattle Company, within the Artillery Range, under Lease W04-193-ENG-3031, were declared surplus by Surplus Real Estate Directive, South Pacific Division Surplus Directive No. 4487, Los Angeles District No. 2163, dated 25 July 1946, covering 3,219.92 acres, more or less. Lease Terminated June 11, 1947.

C. DISPOSAL ACTION - Military Reservation and Artillery Range:

12. Fort Huachuca Military Reservation including Artillery Range, comprising approximately 76,500 acres of land, together with all improvements thereon, was declared surplus by Surplus Real Estate Directive, SPD No. 4805, Los Angeles District No. 2321, effective May 31, 1947.

13. Accountability was transferred to the Los Angeles District Engineer, by Surplus Real Estate Directive SPD No. 4805-1, Los Angeles District 2321-1, effective 15 September 1947.

14. Fort Huachuca Military Reservation, including the Artillery Range, all improvements thereon, and personal property was transferred to the War Assets Administration, by the Los Angeles District Engineer, effective March 30, 1948.

15. The United States of America, acting through the War Assets Administration, deeded a portion of the Military Reservation and improvements thereon, to the State of Arizona, for use of the State Game and Fish Commission, by Deed dated January 14, 1949, recorded March 31, 1949, County Recorders Office, Cochise County, Arizona. Area contains 34,259.20 acres, more or less, embracing the greater portion of the Military Reservation, excluding the Cantonment Area. Acreage not recited in Deed. Deed contained a recapture clause by the United States of America in the event of any national emergency.

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16. The United States of America, acting through the War Assets Administration, by Deed, dated March 2, 1949, and as corrected by Deed, dated April 18, 1950, and Bill of Sale, dated March 2, 1949, deeded to the State of Arizona, for use of the National Guard of Arizona, the remaining portion of the Military Reservation, specifically excepted from Deed, dated January 14, 1949, and the Artillery Range, together with all improvements thereon and personal property.

Area in Military Reservation contains 10,483.41 acres, more of less. Area in Artillery Range contains 28,521.66 acres, more or less. Repossession reserved by the United States of America in the event of any national emergency.

17. The United States of America, represented by the Secretary of the Army, Quitclaimed to the State of Arizona, land and property, comprising the cemetary site within the Military Reservation and access road thereto, by Quitclaim Deed dated March 26, 1948. Area contains 57.39 acres, more or less. Repossession reserved by the United States of America.

D. RE-ACTIVATION:

18. By letter, dated January 18, 1951, from John A. McCone, Acting Secretary of the Air Force, Washington, D. C., to the Honorable Howard Pyle, Governor of Arizona, the United States of America has determined that the lands and facilities conveyed to the State of Arizona, by Deed, dated January 14, 1949, are required for purposes of National Defense. Fee title was reacquired. Land and facilities also conveyed to the State of Arizona, by Deed, dated March 2, 1949, as amended by Deed, dated April 18, 1950, are required for Military purposes. Possession only reacquired.

19. Right of Entry granted to the United States Air Force, to Fort Huachuca by letter, dated January 29, 1951, from Howard Pyle, Governor, State of Arizona, to John A. McCone, Acting Secret ary of the Air Force, Washington, D. C.

Note: In connection with the reacquisition action by the letter, dated January 18, 1951, the following acreage data is presented:

a. Land on which fee title was recaptured in Deed, dated 1-14-49 . . . . . 34,269.20 Acres

b. Land on which possession was recaptured in Deeds, dated 3-2-49 and 4-18-50.
   Military Reservation . . . . . 10,483.41 Acres
   Artillery Range . . . . . 4,497.31 Acres

c. Land not included in the recapture by Letter, dated 1-18-51, cemetery site and access road 57.39

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20. Leasehold interest obtained by the United States of America from the State of Arizona, to the SE¼ of Section 16, T21S, R20E, in Artillery Range, by Lease No. DA-04-353-ENG-1468, dated August 7, 1951. Land requested to be exchanged for Public Domain 8-13-54 by Government. Totals 160 acres, now determined to be 120 acres.

21. Special Land Use Permit, dated April 1, 1951, granted to the United States Air Force, by the Department of the Interior, for land in the Artillery Range, described as S½ of Section 9; SW¼ of Section 10; N½ and SW¼ of Section 16, in T21S, R20E, GASEBAM, Cochise County, Arizona, containing 960 acres, more or less.

22. Easement dated November 26, 1952, obtained from Margaret Ziegan Carmichael, by the United States of America, for a right-of-way, for a water and gas line crossing, Fry, Arizona, Tract 46E, containing .01 acres, more or less.

23. Permit No. LA-727, dated January 22, 1953, obtained from the State of Arizona, Highway Department, by the United States of America, for a right-of-way, for a water and gas line crossing, Fry, Arizona, Tracts 47P-1 and 47P-2. No acreage.

24. Lease No. LA-730, dated February 1953, obtained from Margaret Ziegan Carmichael, by the United States of America, for .33 acres of land, Fry, Arizona; lease contains option to purchase clause, by the United States of America. Tract 45 (See RE-D 5839, dated 3-11-54)

25. Real Estate Directive No. 5839, dated March 11, 1954, authorized fee acquisition of .33 acres of land owned by Margaret Ziegan Carmichael, formerly under lease No. LA-730. USA elects to exercise the option to purchase land in accordance with terms and provisions of paragraph 10 of said lease. Tract No. 45, Grant Deed, dated November 8, 1954, from Margaret Ziegan Carmichael to the United States of America, for .33 acres of land, Fry, Arizona.

26. Real Estate Directive, (Unnumbered), dated March 12, 1954, transfers to the Department of the Army, Lanham Act Project No. Arizona 2-103-F, Recreation (USO) Building, Fry, Arizona, from the Housing and Home Finance Agency. Land under and adjacent to USO Building area, 220 feet by 300 feet Deeded to United States of America by Margaret Ziegan Carmichael, dated June 17, 1942.

27. Real Estate Directive No. 5864, dated March 25, 1954, transfers to the Department of the Army, Lanham Act Project No. Arizona2-102-F, School Buildings, within Fort Huachuca Military Reservation, from the Housing and Home Finance Agency.

28. Real Estate Directive No. 5885, dated May 24, 1954, authorizes the acquisition of permanent interests in the land required for the reactivation of Fort Huachuca, Arizona, for use as an Army Electronic Proving Ground.

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Estimated acreage: 14,978.72 acres, more or less
Estate to be acquired 13,858.72 acres, more or less in Fee Simple title, from State of Arizona, by donation.

960 acres, more or less, by withdrawal from Public Domain.

160 acres, more or less, by exchange of State School land for Public Domain land elsewhere, and then to be withdrawn.

29. Real Estate Directive No. 5885A, dated July 19, 1954, amends RE-D 5885, dated May 24, 1954, in that fee simple title to 57.89, comprising the cemetery site and access road, and fee simple title to 2 acres, part of the Artillery Range, be acquired by donation from the State of Arizona. Permanent interests are amended to acquire:

13,918.11	acres, more or less, Fee Simple title by donation from State of Arizona
960.00	acres, more or less, withdrawal from Public Domain.
* 160.00	acres, more or less, State School land by exchange.
Total 15,038.11	acres, more or less.

* State School land to be exchanged determined to be 120.00 acres, rather than 160.00 acres, withdrawal in process for 1,120 acres.

30. The State of Arizona, by Quitclaim Deed, dated September 9, 1954, quitclaims to the United States of America, all its rights, title and interests to the following described land and all improvements thereon, located in Cochise County, Arizona. Said land is identified as the Cantonment area of the Military Reservation, including the Cemetery Site and Access Road, containing 10,540.80 acres, more or less, and 3,377.31 acres, more or less, in the Artillery Range. See Deed for detailed descriptions.

31. Executed Copy of Quitclaim Deed, dated September 9, 1954, from the State of Arizona, has been forwarded to the Honorable Attorney General, Lands Division, Washington, D. C., on January 20, 1955, by District Engineers Office, Los Angeles, for examination and preliminary opinion, as to the land described as Fort Huachuca Military Reservation, U. S. Army Electronic Proving Ground.

32. An agreement, covering all existing trackage agreements, between the United States of America and the Southern Pacific Company, within the Military Reservation, is at present being prepared by the Southern Pacific Company, for approval of the United States Government. This is as a result of a recent conference at Fort Huachuca, between the Post Engineer, Southern Pacific Company, and Corps of Engineers, Phoenix Real Estate Field Office, on January 12, 1955. File reference 680.4 (Fort Huachuca, Arizona, El Paso & Southwestern R. R. Co., Subject: Proposed Agreement Covering Railroad Facilities at Fort Huachuca, Arizona.

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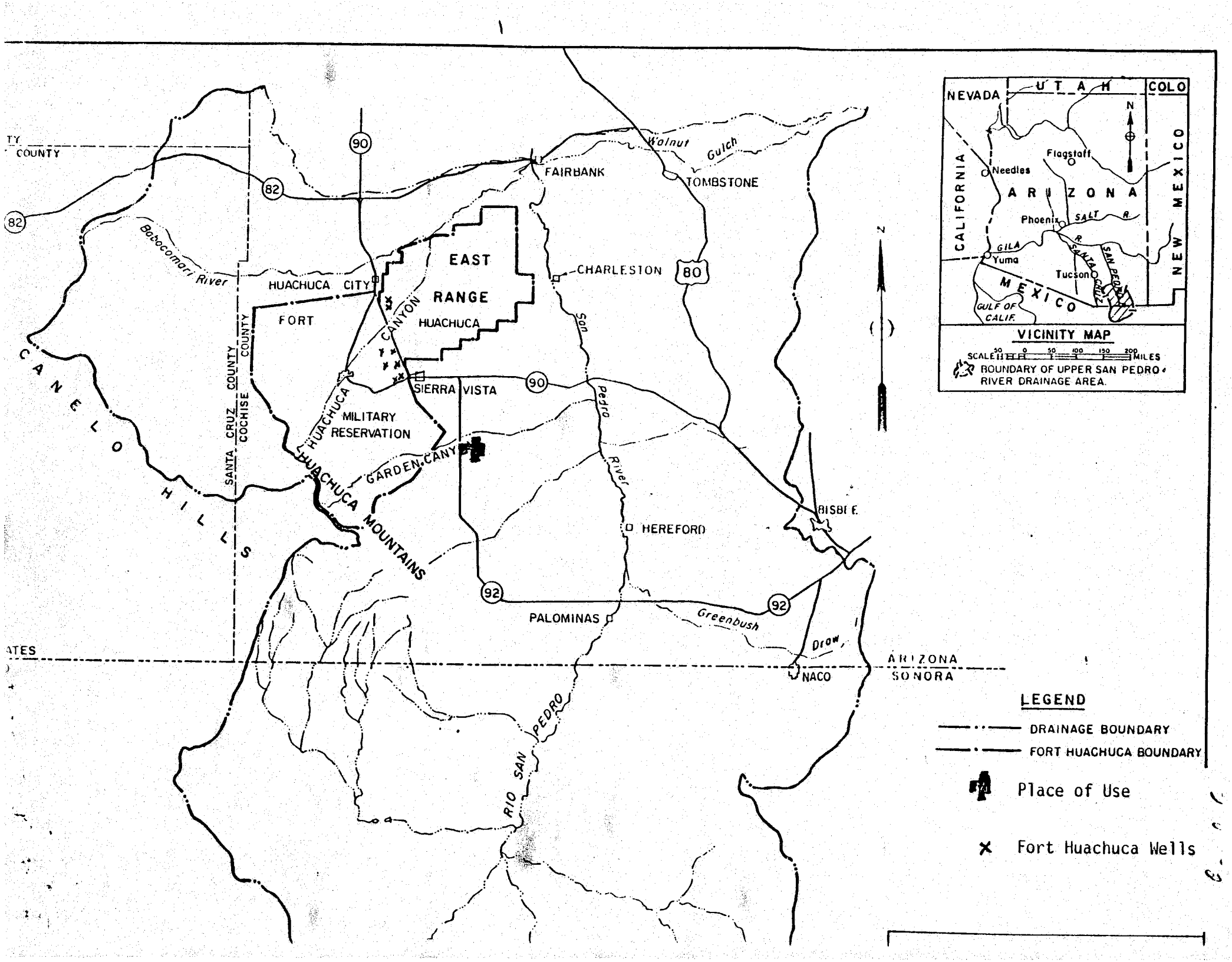
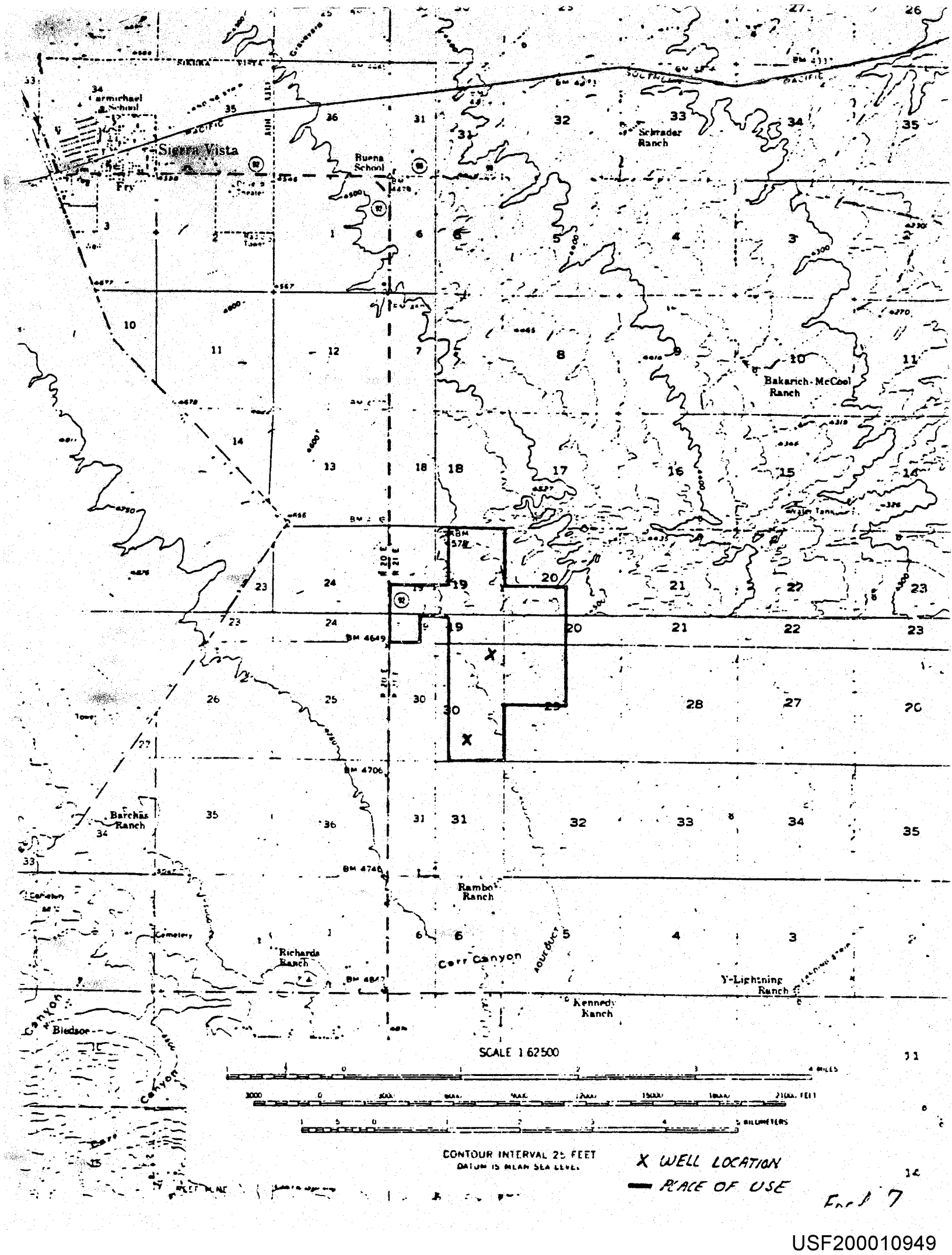


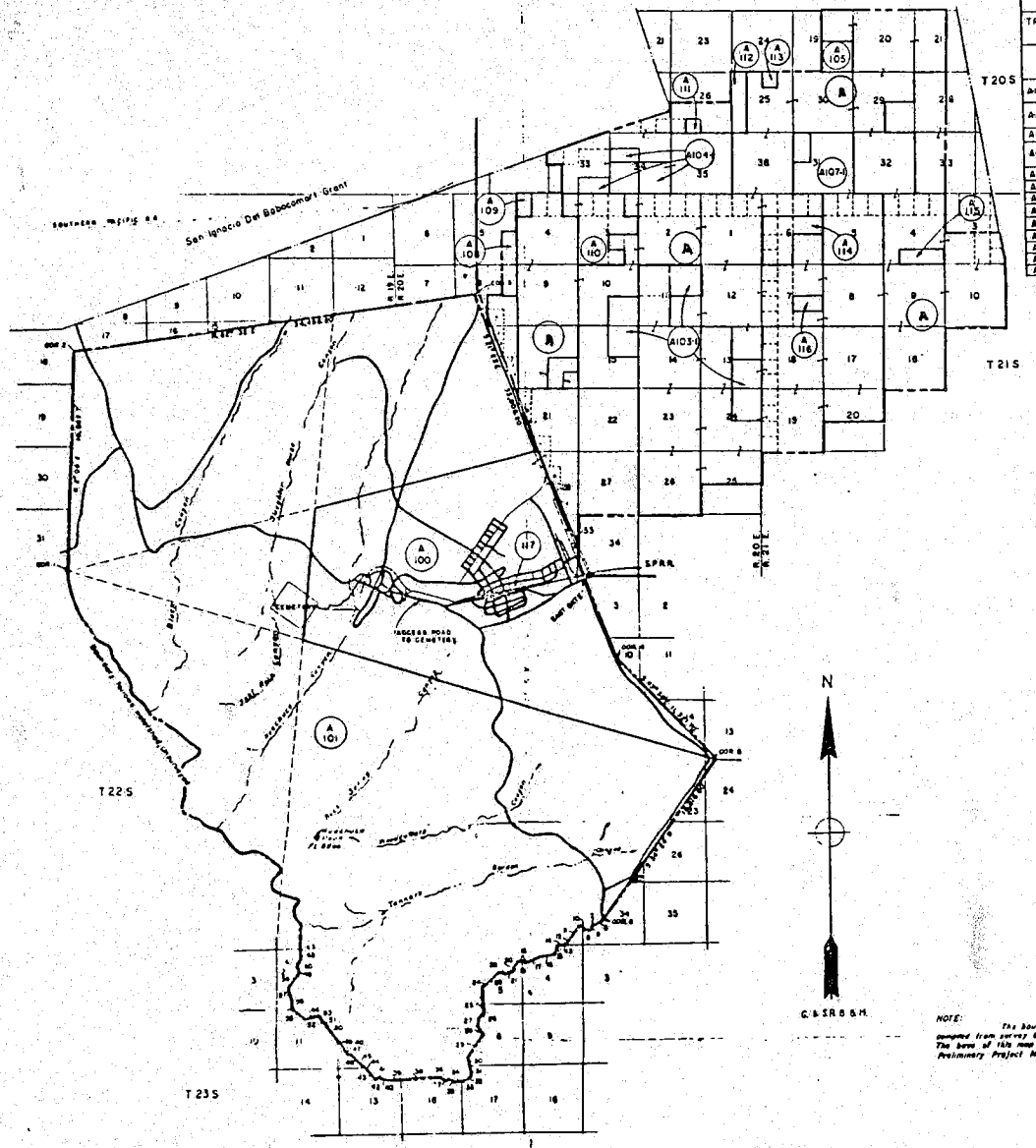
USF200010948



USF200010949

ENGINEERS

U S ARMY



TRACT REGISTER

TRACT NO	LAND OWNER	ACREAGE SURFACE OWN IN FEE	ACREAGE MINERAL RIGHTS OWN	REMARKS
D	FORT HUACHUCA (U S GOVERNMENT)	U.S.	12943 00	Federally Owned Lands, State of Arizona Owns Minerals To be acquired by purchase or lease. Portion of Tract A.
A-103-1	" "	U.S.	(800 00)	U S Mineral Reservation to be withdrawn (BLM). Portion of Tract A-103
A-104-1	" "	U.S.	(320 00)	U S Mineral Reservation to be withdrawn (BLM). Portion of Tract A-104
A-105	" "	U.S.	(160 00)	U S Mineral Reservation to be withdrawn (BLM).
A-107-1	" "	U.S	(560 00)	U S Mineral Reservation to be withdrawn (BLM). Portion of Tract A-107
A-108	STATE OF ARIZONA	160 00	(160 00)	U S Mineral Rights to be withdrawn (BLM).
A-109	STATE OF ARIZONA	53 76	53 76	Surface & Minerals Owned State of Arizona.
A-110	STATE OF ARIZONA	573 89	573 89	" " " " " "
A-111	STATE OF ARIZONA	40 00	(40 00)	U S Mineral Rights to be withdrawn (BLM)
A-112	STATE OF ARIZONA	160 00	160 00	Surface & Minerals Owned State of Arizona.
A-113	STATE OF ARIZONA	40 00	40 00	" " " " " "
A-114	STATE OF ARIZONA	308 82	308 82	" " " " " "
A-115	STATE OF ARIZONA	120 00	120 00	" " " " " "
A-116	STATE OF ARIZONA	80 00	80.00	" " " " " "

NOTE: The boundary of this installation was compiled from survey by the Corps of Engineers. The base of this map is a reproduction of Preliminary Project Map Drawing No 310-P-4

MISCELLANEOUS PROJECT MAP

AGENCY DEPARTMENT OF THE ARMY

STATE ARIZONA

COUNTY COCHISE

DIVISION SOUTH PACIFIC

DISTRICT LOS ANGELES

ARMY AREA SIXTH

LOCATION OF PROJECT

25 MILES N W OF BISBEE

MILES OF

TRANSPORTATION FACILITIES

RAILROADS SOUTHERN PACIFIC

STATE ROADS 82 & 92

FEDERAL ROADS

AIR LINES

ACQUISITION

TOTAL ACRES ACQUIRED

ACRES FEE

ACRES TRANSFERRED

ACRES LEASED

ACRES LESSER INTERESTS

DISPOSAL

TOTAL ACRES DISPOSED OF

ACRES SOLD

ACRES TRANSFERRED

ACRES LEASES TERMINATED

ACRES LESS INT'S TERMINATED

ACRES REASSIGNED

ACRES TO

LEGEND

EXCEPT FOR THE SPECIAL SYMBOLS SHOWN BELOW MAP SYMBOLS ARE STANDARD IN ARMY MAP SERVICE TECHNICAL MANUAL NO 33

RESERVATION LINE

RESERVATION LINE Annual Survey

TRACT BOUNDARY LINE

TRACT NUMBER

AVIGATION EASEMENT

CONTOUR LINE

DISPOSAL

ACQUISITION AUTHORIZATION

DEPARTMENT OF THE ARMY
OFFICE OF THE LOS ANGELES DISTRICT ENGINEER
SOUTH PACIFIC DIVISION

DRAWN BY E S F
TRACED BY
CHECKED BY E L P
SUBMITTED BY
CHIEF, CADASTRAL SECTION
RECOMMENDED BY
CHIEF PLANNING & CONTROLLER
APPROVED BY
CHIEF, REAL ESTATE DIVISION
DATE 10 NOV 82

REAL ESTATE
FORT HUACHUCA
PLANNING REPORT
MILITARY RESERVATION

OFFICE, CHIEF OF ENGINEERS, WASHINGTON 25, D C

SCALE IN MILES

INSTALLATION OR PROJECT NO

SHEET 1 OF 1 DRAWING NO 310-M-2

DATE	REVISIONS	BY
1 FEB 1982	REVISED TRACT REGISTER	

EXHIBIT "B"

USF200010950