

28 FEB 1994

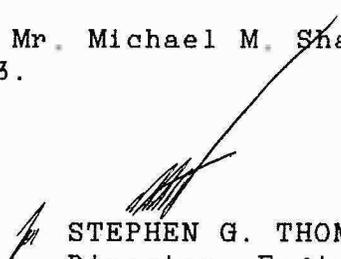
MEMORANDUM FOR Commander, U.S. Army Intelligence Center and Fort Huachuca, ATTN: ATZS-DCG, Fort Huachuca, Arizona 85613-6000

SUBJECT: DECISION ACTION--INFORMATION PAPER--Fort Huachuca Water Issues

- 1. PURPOSE. To provide Dr. Kreiger information requested by electronic message detailing the installation's water issue.
- 2. BACKGROUND. N/A.
- 3. DISCUSSION. Dr. Kreiger requested assistance from the Directorate of Engineering and Housing in preparing an information paper on the water situation on Fort Huachuca.
- 4. RESOURCE IMPACT. N/A.
- 5. RECOMMENDATION. That the Deputy Commanding General approve the information paper to Dr. Kreiger (TAB A).
- 6. The point of contact is Mr. Michael M. Shaughnessey, Realty Specialist, extension 3-1863.

Encl

- 1. TAB A--Info Paper to Dr. Kreiger


 STEPHEN G. THOMPSON
 Director, Engineering and Housing

Approved _____ Disapproved _____ See Me _____

Remarks:

ORIG _____	DATE _____	BR CH _____	DATE _____
C, ERM _____	DATE _____	C, EP&S _____	DATE <u>2-28</u>
C, ENV _____	DATE _____	C, HSG _____	DATE _____
C, FPP _____	DATE _____	C, CMD _____	DATE _____
C, ADM _____	DATE _____	OTHER _____	DATE _____
CA _____	DATE _____	DEPDIR _____	DATE _____

28 FEB 1994

MEMORANDUM FOR Commander, U.S. Army Intelligence Center and Fort Huachuca, ATTN: ATZS-ES (Dr. Gregory Kreiger), Fort Huachuca, Arizona 85613-6000

SUBJECT: INFORMATION PAPER--Fort Huachuca Water Issues

1. Purpose. To provide Dr. Kreiger information requested by electronic message detailing the installation's water issues.

2. Facts.

a. This paper addresses the installation's legal issue concerning water rights, the amount of water available to support the installation's water use, the installation's current water use, and its capability to support the proposed growth.

(1) Fort Huachuca is a part of an ongoing lawsuit filed by the State of Arizona, which involves the adjudication of water rights of approximately 26,000 parties. The suit's main objectives are to quantify and recognize the parties' claimed water rights. The installation has quantified its water rights to be an annual need of approximately 10,000 acre-feet of water to allow for long term future growth. The court's decision on this matter is not expected for a number of years. The Army feels that the installation's claim is solid and that it will be upheld.

(2) The installation's water supply is pumped from a subterranean source having an estimated storage capacity of 31.8 million acre-feet of water. This source is being drawn down at the rate of 11,000 acre-feet per year. At this rate of usage, the source would last a very long time. Additionally, the strategic location of Fort Huachuca, at the base of the mountains, allows the installation to intercept the available water before any other water users.

(3) The installation has eight production wells, which delivered approximately 2.7 million gallons per day (MGD) or 3,000 acre-feet in 1993. These wells have a pumping capacity of 8.1 MGD or 9,000 acre-feet per year, which is three times the current use.

(4) Based on population increases and type of building requirements associated with consolidating the military intelligence training at Fort Huachuca, water use would increase by approximately 58 percent over current water use. This increase would bring the total installation water use to approximately 4.3 MGD or 4,800 acre-feet per year. This use is only 48 percent of the projected 10,000 acre-feet per year.

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SUBJECT: INFORMATION PAPER--Fort Huachuca Water Issues

b. In summary, the installation's legal claim is correct and supported by the evidence and supreme court precedence; water is available to support growth; and the existing wells and distribution system can support this new mission.

3. The point of contact is Mr. Mike Shaughnessey, Realty Specialist, extension 3-1864/1863.

MTB
for

SIGNED

Approved for Release:

STEPHEN G. THOMPSON
Director, Engineering and Housing

FORT HUACHUCA WATER ISSUES

- o LEGAL
 - STATEWIDE LAWSUIT CONCERNING WATER RIGHTS
 - INSTALLATION'S WATER RIGHTS MUST BE QUANTIFIED AND RECOGNIZED BY THE ARIZONA COURT
 - INSTALLATION QUANTIFIED WATER RIGHTS OF 10,000 ACRE-FEET PER YEAR (TO SUPPORT FUTURE GROWTH)
- o WATER AVAILABILITY
 - 32 MILLION ACRE-FEET OF STORED SUBTERRANEAN WATER
 - 11,000 ACRE-FEET ANNUAL OVERDRAFT OF THIS STORAGE
- o CURRENT USE
 - 3,000 ACRE-FEET PER YEAR (2.7 MILLION GALLONS PER DAY (MGD))
- o CURRENT PUMPING AND DISTRIBUTION CAPACITIES
 - 9,000 ACRE-FEET PER YEAR (8.1 MGD)
- o PROJECTED USE
 - ESTIMATE 58 PERCENT INCREASE OR A TOTAL OF 4,800 ACRE-FEET PER YEAR (4.3 MGD)
- o INSTALLATION'S SUMMARY
 - INSTALLATION'S WATER CLAIM IS CORRECT AND SUPPORTED BY SUPREME COURT PRECEDENCE
 - WATER IS AVAILABLE FOR MILITARY INTELLIGENCE TRAINING EXPANSION
 - INSTALLATION HAS THE PUMPING AND DISTRIBUTION CAPACITY TO SUPPORT NEW MISSIONS