

October 17, 1989

CESPL-RE-AR-S

Mark Winterland  
State of Arizona  
Department of Water Resources  
15 South 15th Avenue  
Phoenix, Arizona 85007-2607

Dear Mr. Winterland:

Attached is a summary of findings, with enclosures, addressing concerns expressed by your department in the Preliminary Hydrographic Survey Report for the San Pedro River Watershed.

If there are any questions, please contact Anne Gamson at 241-2016.

Attachment

E. David Reichardt  
Chief, Arizona Real Estate Office

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SAN PEDRO WATER ADJUDICATION - FORT HUACHUCA, ARIZONA

1. In addressing the Arizona Department of Water Resources (ADWR) draft report ("Preliminary Hydrographic Survey Report for the San Pedro River Watershed"), the "No Use Found" (23 items) water use claims identified by ADWR are detailed at enclosure 1. Only 22 of the 23 original claims were found during field investigations by post personnel.

2. The water inventory data sheets on all the claimed facilities/uses on Fort Huachuca are contained at enclosure 2. The information on the data sheets, i.e., identifying number (Fort Huachuca and ADWR) are referring to the base map previously submitted to ADWR and a base map generated by ADWR. These maps are contained at enclosures 3 and 4, respectively.

3. The claimed facilities/uses on Fort Huachuca have been located on U.S. Geological Survey (USGS) topographic maps (scale 1:24,000). The maps (seven sheets) are contained at enclosure 5.

4. The following are general comments on the ADWR's draft report:

a. The claimed test wells, two windmills, and two wells (well 9 and Garden Canyon well) are presently capped, however, they have the potential for use during emergencies, mobilization, and to accommodate a mission change.

b. The claimed potable springs are a part of an in-place pipeline, though disconnected from the main domestic water distribution system in 1983, have the potential of being a critical part of the post potable water supply during an emergency or mobilization. The Huachuca Canyon spring system is currently inactive. The Garden Canyon spring system is currently being used for military training (Leadership Reaction Course), recreation (toilets at the Lower Garden Canyon Picnic Site and as a means to maintain pond levels at Gravel Pit (#1) and golf course

(#2)), and a standpipe provides water for use in construction projects and fire fighting activities.

5. Annual water production on Fort Huachuca covering the period 1982 to the present is contained at enclosure 6. Monthly water production data on wells 7 and 8 are provided at enclosure 7.

6. The following information pertains to changes in text contained within the ADWR's draft report referenced at 2.:

a. On page 203 under "Claimed Data" change sixty-five ponds to seventy-four ponds.

b. On page 203, changes to Table 39 are contained at enclosure 8.

c. On page 206, Table 40 will need revision by ADWR based on amended statement.

d. On page 207, Table 41, add the following:

<u>Well#</u>	<u>Depth (ft)</u>	<u>Discharge (gpm)</u>
7	762' (2)	800/-
8	807' (2)	800/-

e. On page 207, change reference to sixty-five ponds to seventy-four ponds.

f. On page 209, change sentence reading "Both IR1 and IR3 are...system." to "Both IR1 and RC1 are...system."

g. On page 211, change sixty-five ponds to seventy-four ponds.

h. On page 213, change wells 7 and 8 uses to Domestic/Military.

i. On page 213, change REMBASS#2 location to SWSESE 14 21S 20E.

j. On page 213, change well (Garden Canyon-GW), Spatial Resolution, and East Range Bunker uses to Military.

k. On page 214, uses for test wells 1-4 and 6-8 should indicate "test".

l. On page 214 windmills #1 and #2 were claimed as domestic use, this should be changed to non-domestic use, claim #39-10775.

m. On page 215 delete Cabin Spring from the potable spring designation. The spring was never a part of the domestic system as originally claimed (#39-10774). The spring, located 1,100 feet northeast of the Boy Scout Cabin, was damaged by a storm in 1977. The spring is basically a seep which is used by wildlife. Change the location of Cabin Spring to NESWSW 01 23S 19E.

n. On page 215 change Spring #2 location to SWNESE 33 22S 20E.

o. On page 215 change Spring #3 location to NWNESE 33 22S 20E.

p. On page 215 change Spring #6 location to NESESW 36 22S 19E.

q. On page 215 change Spring #8 location to SWNWSE 25 22S 19E. The spring (Cave Spring) as it is identified on USGS maps is incorrect.

r. On page 215 change Spring #14 location to SWSWNE 27 22S 19E.

s. On page 216 change Spring #23 location to SWSENW 21 22S 20E.

t. On page 216 change Spring #25 location to SWSESW 36 22S 19E.

u. On page 217 delete Pan Am Pond. The pond was destroyed during the expansion of Libby Army Airfield in 1985.

v. On page 217 change Landing Strip (#11) location to NWNWNW 35 21S 19E.

w. On page 217 change West Huachuca (#14) location to NENWSE 21 22S 19E.

x. On page 217 change Boy Scout Cabin (#16) location to NESESE 02 23S 19E.

y. On page 218 change Power Line (#20) location to SWNWSE 27 21S 19E.

z. On page 218 change Lower Horse Pasture (#29) location to SWNESW 06 22S 20E.

aa. On page 218 delete Upper Horse Pasture. The pond was not found by DEH personnel during field survey conducted on 25 May 1989.

bb. On page 218 change Upper Garden (30) location to NWSWSE 02 23S 19E.

cc. On page 218 change Fairway (#31) location to NENWSE 04 22S 20E.

dd. On page 219 change Sediment (#34a) (top listed on page) location to NENWSE 21 21S 20E.

ee. On page 219 change Sediment (#34d) (4th listed on page) location to SWSWNW 15 21S 20E.

ff. On page 219 Pond East #2 (#36), which was claimed on the original post Statement of Claimant, was not found during recent field inspections. Delete pond from inventory listing.

gg. On page 219 change East #1 (#35) location to SWNESE 16 21S 20E.

hh. On page 219 change East #4 (#38) location to NWNESW 27 21S 20E.

ii. On page 219 unnamed pond located at NENWSW 32 21S 19E is known as Kino (#39).

jj. On page 219 change unnamed pond (#39a) (10th listed on page) location to SESWNE 31 21S 19E.

kk. On page 219 change dam (a) (1st listed on page) location to SWSESW 33 22S 20E; also change "dam" to Tinker.

ll. On page 219 change dam (b) (2nd listed on page) location to SENESE 18 21S 21E.

mm. On page 219 change dam (c) (3rd listed on page) location to SWNWSW 17 21S 21E.

nn. On page 219 change dam (f) (6th listed on page) location to SWNESE 19 21S 21E.

oo. On page 219 change dam (g) (7th listed on page) location to SWNWSW 17 21S 21E.

pp. On page 220 change dam (h) (1st listed on page) location to SWNESE 10 21S 20E.

qq. On page 220 change dam (o) (8th listed on page) location to SWSESE 31 21S 19E.

rr. On page 220, pond identified by ADWR at location NENE 03 21S 20E, Babocomari, was not found by DEH personnel during field survey conducted on 25 May 1989.

ss. On page 220, pond identified by ADWR at location SESW 06 22S 20E, Soldier Creek, is the same as originally claimed pond #29 (ADWR's #s WL23/SP23) and described on page 218 as Lower Horse Pasture.

tt. On page 220 change first unclaimed pond (#43) location to NWNESW 21 22S 19E.

7. The ADWR's base map (enclosure 4) should be changed by the following:

a. Spring #1a-S10 should be Spring #1a-S11.

b. Spring #1b-S11 should be Spring #1b-S10.

c. Spring #2-S12 should be Spring #2-S13.

d. Spring #3-S13 should be Spring #3-S12.

8. Diversion, quantity, and capacity:

a. Many miscellaneous and small (<.1 surface acres) water diversions, i.e., check dams, water bars, and water terraces, exist on Fort Huachuca. A summary of these diversions is listed below:

<u>Diversion</u>	<u>Quantity</u>
Check Dams	200 each
Water Bars	1,200 each
Water Terraces	8.7 miles

b. In considering the total capacity of these diversions, based on the assumption that all were 100% impounded, the following summary is provided:

<u>Diversion</u>	<u>Capacity</u>
Check Dams	8.0 ac-ft
Water Bars	24.0 ac-ft
Water Terraces	<u>17.4 ac-ft</u>
	49.4 ac-ft

9. Based on anticipated game and fish management needs, a listing of proposed ponds is contained at enclosure 9. The locations are also identified on the USGS maps contained at enclosure 5.

10. Enclosure 10, TABLE 45 (pages 213 -220) has been annotated with corresponding numbers/names used by this office to identify the individual water claims. This information is also included on the Data Sheets contained at enclosure 2.