

**ARIZONA GAME AND FISH DEPARTMENT  
HABITAT PARTNERSHIP PROGRAM  
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

**PROJECT INFORMATION**

<b>Project Title: Catchment #983 Efficiency Enhancement (New trough)</b>		<b>Project No. 07-418</b>
<b>Region/GMU: FOR4/ GMU 44BS</b>	<b>HPC: Southwest</b>	
<b>Project Type: Water Catchment redevelopment</b>		
<b>Project Description:</b>  Redevelop an existing water catchment in the Plomosa Mountains to support mule deer. Replace the small float valve trough drinker with a 66" walk-in drinker to be able utilize the last 12.5" of water in the storage tank. Current elevation of trough makes last 3,325 gallons of water unavailable resulting in frequent water hauling requests.  <b>Wildlife Species to Benefit: Mule Deer and Big Horn Sheep</b>		
<b>Possible Funding Partners:</b>		
<b>Implementation Schedule:</b> <b>Beginning: October 2008</b> <b>Completed: March 2009</b>	<b>NEPA Compliance: (if applicable)</b> <b>Completed: Yes ___ No <u>X</u></b> <b>Projected Completion Date: xx/xx/2007</b>	

**PROJECT FUNDING**

<b>SBG Funds Requested: \$ 5500</b>
<b>Cost Share Funds: \$ 1830</b>
<b>Total Project Costs: \$ 7330</b>

**PARTICIPANT INFORMATION**

<b>Applicant: Deanna Pflieger</b> (please print) <b>Telephone: 928-680-0359</b>	<b>Address:</b> <b>9140 E. 28<sup>th</sup> St</b> <b>Yuma, AZ 85365</b>
<b>AGFD Contact and Phone No.</b> (If applicant is not AGFD personnel)	
<b>Coordinated with:</b> <b>BLM, Yuma Field Office (Jeff Young, Wildlife Biologist)</b>	<b>Date: 8/29/2007</b>
<b>Applicant's signature:</b>	<b>Date:</b>

**SEND COMPLETED APPLICATIONS TO:**

**Game Branch  
2221 W. Greenway Rd.  
Phoenix, AZ 85023  
mdisney@azgfd.gov**

**WAS PROJECT PRESENTED TO THE LOCAL HPC?      YES \_\_\_\_\_      NO   X**

**HAS PROJECT BEEN SUBMITTED IN PREVIOUS YEARS? IF SO WAS IT FUNDED?**

Not submitted previously.

**NEED STATEMENT/PROBLEM ANALYSIS:**

This 20+ year old water development consists of a 17,000 gallon 66" tall ring storage tank which feeds a fiberglass trough through a float valve. The trough sits roughly 12.5" higher than the bottom of the ring tank making the final 3,300 gallons (2+ truck loads of water) unavailable which has necessitated frequent hauling in recent years.

**PROJECT OBJECTIVES:**

- a) Improve water availability to mule deer and bighorn sheep
- b) Reduce the need for water hauling, maintenance, and associated expenses by modifying this catchment to make more efficient use of the currently available water.

**PROJECT STRATEGIES:**

- a) Replace the existing small trough and float valve with a 66" gravity fed walk-in trough.

**PROJECT LOCATION:**

33 34.538' N  
114 05.979' W  
Southern Plomosa Mountains, La Paz County  
GMU 44B South

**LAND OWNERSHIP AT PROJECT SITE (Please state specifically if PRIVATE PROPERTY and provide landowner's name):**

Public, USA, Bureau of Land Management, Yuma Field Office (YFO)

**IF PRIVATE PROPERTY, IS THERE A STEWARDSHIP AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?**

**HABITAT DESCRIPTION:**

The Plomosa Mountains range in elevation from 1200' near the base to 2822' at Ibex Peak. The topography included gently sloping bajadas to high benches, cliffs, and ridges. The vegetation community is described as Lower Colorado River Sonoran Desert Scrub and is characterized by Paloverde, Ironwood, Mesquite, Creosote, and Brittlebush. It includes 47.5 mi<sup>2</sup> of Bighorn sheep habitat and over 600 mi<sup>2</sup> of Mule deer habitat.

**ITEMIZED USE OF FUNDS:**

**Materials**

66" fiberglass Trough	\$5200/trough	= \$ 5200
<u>Miscellaneous Materials</u>		= \$ 300
Total Materials cost		= \$ 5,500

**Volunteer match:**

Labor @ \$183/day x 10 man days = \$ 1,830\*

\*Looking to enlist local volunteers from Parker & Quartzite 4-wheel drive clubs

**LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:**

- BLM
- Parker 4-wheel drive club (volunteer labor)
- Quartzite 4-wheel drive club (volunteer labor)

**PROJECT MONITORING PLAN:**

AGFD Region IV personnel will monitor water levels according to the regional water development protocol.

**PROJECT MAINTENANCE:**

AGFD FOR4 Wildlife Managers, Staff, & Development branch will conduct any needed maintenance.

**PROJECT COMPLETION REPORT TO BE FILED BY:**

Deanna Pfleger, AGFD Region IV

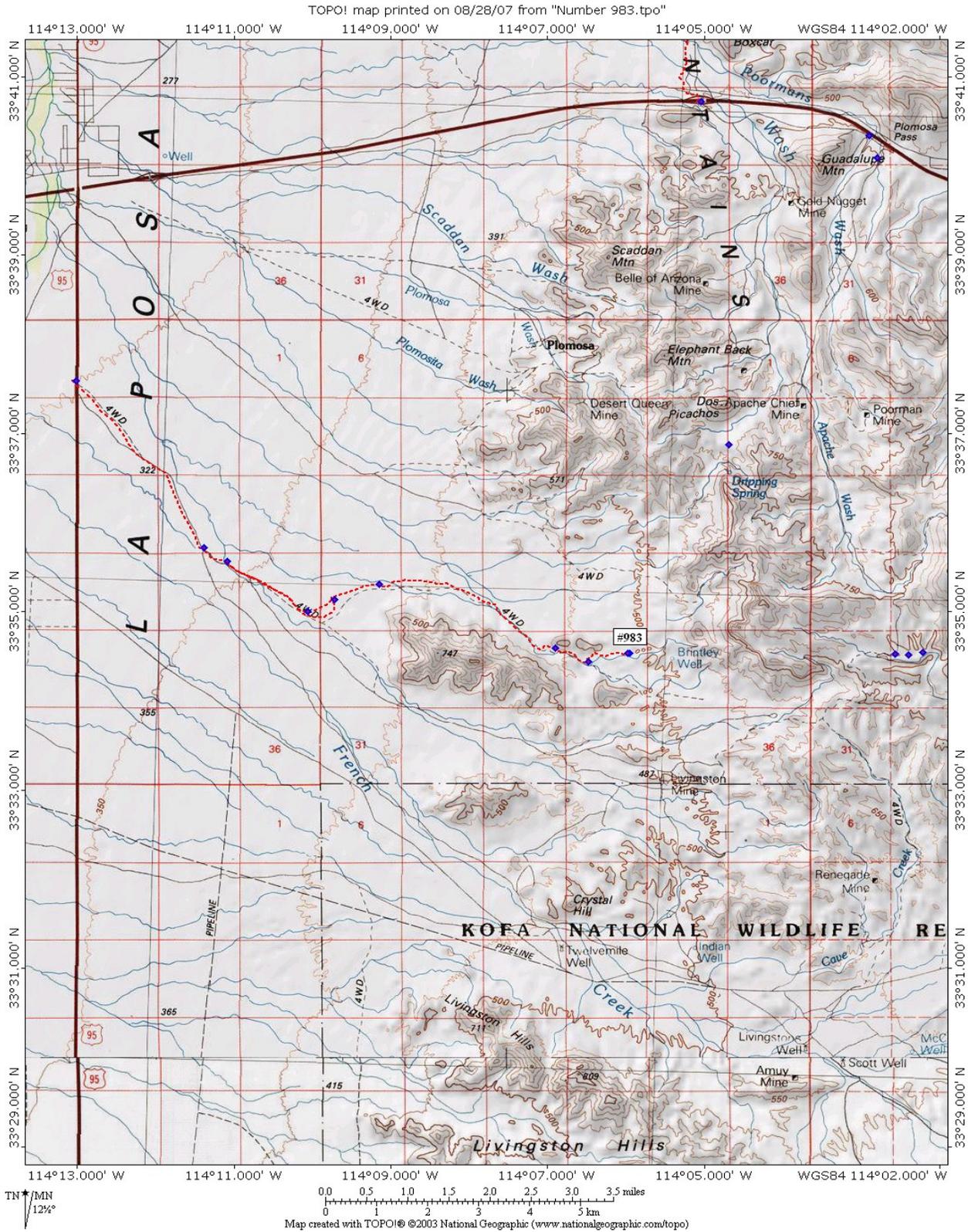
**WATER DEVELOPMENT PROJECTS (see attached worksheet):**

## **ARIZONA GAME AND FISH DEPARTMENT** **WATER DEVELOPMENT WORKSHEET**

**PROJECT NAME:**     Brintley Well #983    

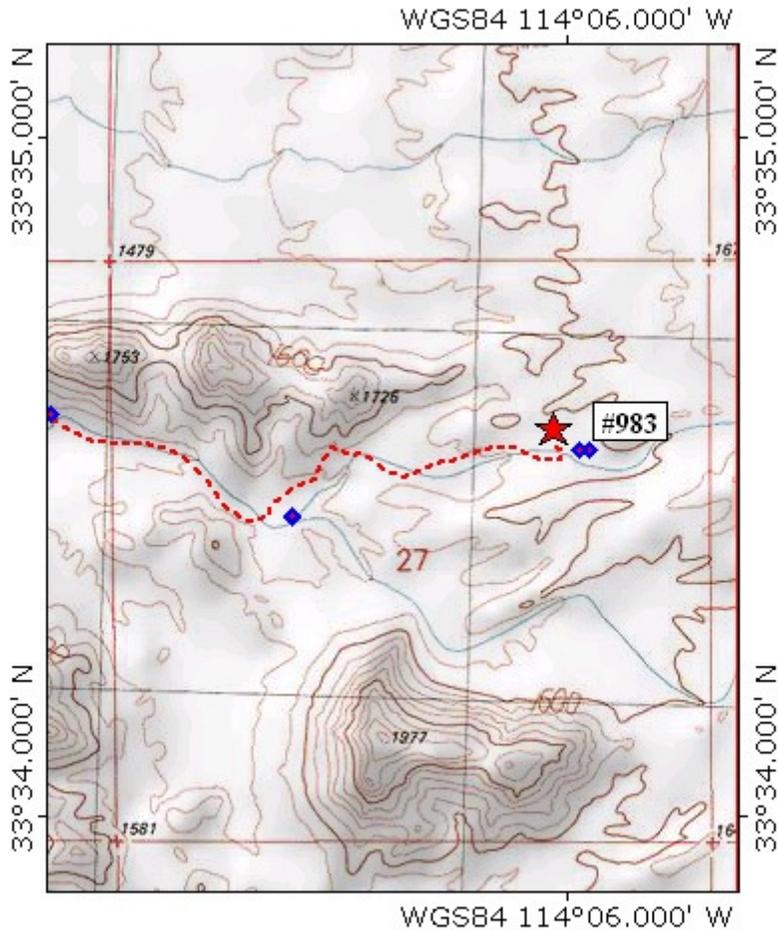
- 1) **Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?”** No
- 2) **Please list the Development Branch personnel and date coordinated with for this project.**  
Ed Jahrke, 8/23/2007
- 3) **What is the estimated annual inches of precipitation for the area? (mark one)**  
 2-4     4-6     6-8     8-10     10-12     12-14     14-16     >16
- 4) **Is there a perennial water source available to big game within four miles of this project?**  
 YES (please complete #5 below)       NO (skip #5 below)
- 5) **For the accessible, perennial water source nearest this project:**  
Name of water source: Dripping Springs  
Type of water source (catchment, spring, dirt tank, etc.): spring  
Ownership of water source: Public (Federal - BLM)  
Distance in miles from project: 2.6 miles
- 6) **Is the target wildlife species a result of transplant efforts?**  YES     NO
- 7) **Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument, etc). If private land, list landowner.**  
  
NONE
- 8) **Please provide the following information about access to the proposed site:**  
Type of access (mark one):  2x4 vehicles     4x4 only     foot only\*\*  
\*\*If foot access only: Distance in miles:    Approx. hiking time:  
  
-- Does access to this site require crossing private or tribal lands?  YES  NO  
  
    ■ Please describe any restrictions to public access: NONE
- 9) **Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.**  
Add 66” gravity fed walk-in trough and associated plumbing to convert existing plumbing/float valve to walk-in drinker.
- 10) **Was a site visit completed?**  Yes     No  
    If Yes, please list personnel that attended and date.  
    \*Pending cooler weather, Fall 2007

Vicinity Map:



**Location Map:**

TOPO! map printed on 08/28/07 from "Number 983.tpo"



TN \* MN  
12½°



Map created with TOPO!® ©2003 National Geographic ([www.nationalgeographic.com/topo](http://www.nationalgeographic.com/topo))

**SCHEMATIC**

Pending site visit with hand level and tape measure.