

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

**PROJECT INFORMATION**

<b>Project Title: Region 5 Water Trailer</b>		<b>Project No. 07-520</b>
<b>Region/GMU: 5/All GMU's</b>	<b>HPC: Tucson</b>	
<b>Project Type: Equipment Purchase</b>		
<p><b>Project Description:</b>          This project entails the purchase of a 1,000 gallon water trailer and 500 feet of 1 ½ inch fire hose to haul water to regional wildlife catchments. This trailer would allow regional personnel and wildlife managers to haul water to catchments during the busiest time of the year for the Department's Development Branch. It would also reduce Region 5's dependency on Tucson Electric Power who has been supplying the regions wildlife with permanent water. Also, Development Branch personnel are continuously hauling water statewide during the hot and dry months of the year and lead time to order water is sometimes significant. In many cases, a supplemental haul of 1,000 gallons is sufficient until the summer monsoons arrive. Thus, ordering a load (3,000 gallons) of water through the Development Branch in Phoenix is unnecessary and the Department's time and money can then be better spent in higher priority areas. The trailer would save the Department, specifically Development Branch, significant time and money.</p>		
<b>Wildlife Species to Benefit:</b> All wildlife game and non-game		
<b>Possible Funding Partners:</b>		
<p><b>Implementation Schedule:</b>  <b>Beginning:</b> September 1, 2007  <b>Completed:</b> April 1, 2008</p>	<p><b>NEPA Compliance: (if applicable)</b>  <b>Completed:</b> Yes <u>NA</u> No <u>NA</u>  <b>Projected Completion Date:</b> NA</p>	

**PROJECT FUNDING**

<b>SBG Funds Requested:</b> \$10,113
<b>Cost Share Funds:</b> \$Unconfirmed at this time
<b>Total Project Costs:</b> \$10,113

**PARTICIPANT INFORMATION**

<p><b>Applicant:</b> Ben Brochu          (please print)  <b>Telephone:</b> (520) 229-3222</p>	<p><b>Address:</b>          Arizona Game and Fish Department          555 N. Greasewood Road          Tucson, AZ 85745</p>
<b>AGFD Contact and Phone No.</b> (If applicant is not AGFD personnel)	
<b>Coordinated with:</b> Not Required	<b>Date:</b> NA
<b>Applicant's signature:</b>	<b>Date:</b>

**SEND COMPLETED APPLICATIONS TO:**

(revised 7-02-2007)

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

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

**HAS PROJECT BEEN SUBMITTED IN PREVIOUS YEARS? IF SO WAS IT FUNDED?**  
NO

**NEED STATEMENT/PROBLEM ANALYSIS:**

The late spring and early summer months are typically the busiest time of year for the Department's Development Branch due to the high number of water hauling requests. Many of these requests are for catchments located in extremely remote areas sometimes accessible only by helicopter. Supplemental water hauling during these months is extremely expensive, not only in the form of time and method of travel, but also equipment related expenses such as tires, fuel, maintenance, etc.

Tucson Electric Power has voluntarily assumed the Development Branch water hauling role in Region 5. Regional personnel have been coordinating all water hauling requests in the region through Joe Sheehy when possible. This is a huge undertaking in May and June when the majority of the hauling takes place. The 2,000 gallon concrete vault systems, installed approximately 50 years ago, require the most supplemental water due to high evaporation rates from broken lids, their inability to hold water from cracks in the vaults, and overall low storage capacity. The expense from this has not been quantified, however it is undoubtedly significant.

According to the Wildlife Water Development Team Report (2002), Region 5 has 48 different catchments listed as high priority for redevelopment due to their water hauling history and need for redevelopment due to failing components. To date, very few of these catchments have been redeveloped. Many of these systems are also low capacity systems and located in areas that receive adequate monsoon moisture each year. A supplemental load of 1,000 gallons of water using a water trailer would, in most cases, be sufficient to provide wildlife with permanent water until the monsoons arrived in early July.

A regional 1,000 gallon water trailer and 500 feet of 1 ½ inch fire hose would allow regional personnel to haul water to catchments when needed. This would save the Department significant time and money in the form of hauling costs, equipment expenses, and coordination time and allow the Development Branch to address higher priority catchments elsewhere.

**PROJECT OBJECTIVES:**

- To provide permanent sources of water for wildlife
- To save the Department, namely the Development Branch, significant time and money from Region 5 water hauling requests
- To reduce Region V's dependency on Development Branch for water requests and equipment

**PROJECT STRATEGIES:**

- Utilize big game special tag funds to purchase the 1,000 gallon water trailer and 500' of 1.5" Cotton/Polyester 600PSI forestry hose

**PROJECT LOCATION:**

Region 5

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

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

**HABITAT DESCRIPTION:**

NA

**ITEMIZED USE OF FUNDS:**

<b>Item</b>	<b>Cost</b>	<b>Total with Tax (8.1%)</b>
1,000 gallon water trailer	\$8078.00	\$8733.00
5-100' x 1.5" Cotton/Polyester 600 PSI forestry fire hose	\$246ea	\$1330.00
Couplers and Fittings	\$50	\$50
<b>Total</b>		<b>\$10,113</b>

**LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:**

The following organizations may provide matching funds:

- Arizona Desert Bighorn Sheep Society
- Arizona Deer Association
- Safari Club International
- Rocky Mountain Elk Foundation
- Arizona Antelope Foundation

**PROJECT MONITORING PLAN:**

NA

**PROJECT MAINTENANCE:**

NA

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

NA

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

**TREE SHEARING (AGRA-AXE, PUSH) PROJECTS (see attached worksheet):**