

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

Game Branch / HPC Project Number:	14-407
Possible Funding Partners:	

PROJECT INFORMATION

Project Title: Scaddan Tank

Region and Game Management Unit: Region 4, GMU 44B south

Local Habitat Partnership Committee (LHPC): • Southwest HPC	Was the project presented to the LHPC? YES[X] NO[]
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Has this project been submitted in previous years? YES[X] NO[]
If Yes, was it funded? YES[] NO[X] → **HCP Project #:**

Project Type: Water Development (new)

Brief Project Summary: Develop a new water catchment in the Plomosa Mountains to supplement Dripping Springs which has become a popular OHV destination. Proposal is to install a 10,000 gallon underground 24" PVC storage using natural collection and walk in drinking trough in a remote location approximately 1 mile northwest of Dripping Springs. Project would be in cooperation with the ADBSS.

Big Game Wildlife Species to Benefit: Desert Bighorn Sheep and Mule Deer

Implementation Schedule (Month/Day/Year):

Project Start Date: 1-1-15

Project End Date: 4-15-15

Environmental Compliance:

NEPA Completed: YES[X] No[] N/A[]

Projected Completion Date: 6/30/2014

State Historic Preservation Office - Archaeological Clearance:

YES[x] No[] N/A[]

Projected Completion Date: 9-11-12/site visit by BLM Archaeologist

Arizona Game and Fish Department EA Checklist: N/A[]

To be Completed by: D. Pfleger

Projected Completion Date: 7-8-2014

PROJECT FUNDING

Special Big Game License Tag Funds Requested:	\$ 44,088
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Cost Share or Matching Funds:	\$ 23,668
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Total Project Costs:	\$ 67,756
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PARTICIPANT INFORMATION

Applicant (please print):

Deanna Pfleger

Address:

9140 East 28th Street

Yuma, AZ 85365

E-mail:

dpfleger@azgfd.gov

Telephone: 928-916-2004

Date: 8/12/2014

AGFD Contact and Phone No. (If applicant is not AGFD personnel):

Project has been coordinated with: Ed Jahrke (SSDV), Erica Stewart (biologist) BLM Yuma Field Office, ADBSS

NEED STATEMENT – PROBLEM ANALYSIS:

The project area contains an important population of bighorn sheep that has been used many times as a source for translocations. The nearest available water is a natural spring (Dripping Springs) that has become a popular OHV destination. The high volume of vehicular and human traffic has reduced the availability of the existing water source to wildlife populations. The addition of this new water source would restore and improve the quality of the habitat in this section of the Plomosa Range.

PROJECT OBJECTIVES:

Increase the quality and amount of available bighorn sheep and mule deer habitat during water stress periods.

PROJECT DESCRIPTION AND STRATEGIES:

Create a perennial water source using an underground PVC pipe design with natural collection area.

PROJECT LOCATION:

Plomosa Mountains, La Paz Co., AZ, (T.3 N. R.18 W. S.11) (33° 36.862’N 114° 05.731’W)

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

U.S. Bureau of Land Management (Yuma Field Office)

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

YES[] NO[]

HABITAT DESCRIPTION:

The Plomosa Mountains have elevations ranging from 1350' near the base to 3402' at Dripping Springs Peak. The topography ranges from gentle bajadas and rolling hills to high benches, rugged cliffs, and ridges. Both Upper and Lower Sonoran desert scrub plant communities are represented in the proposal area. The next nearest perennial bighorn sheep water is 1.06 miles to the east-southeast.

ITEMIZED USE OF FUNDS:

Special Big Game Tag Funds

Materials: -	24”dia. x 20’ = \$503 (per pipe) x 20 pipes	Donated
	24”dia solid end caps = \$231 x 4.....	\$ 924
	24”dia. End caps w/ 2” outlets = \$291 x 4.....	\$1,164
	Connective plumbing, which should include 50’ of 2” flexible spa hose, various adaptors and connectors, glue and primer, street	
	ells, 4” schedule 40 pipe, 6” schedule 40 pipe, etc.....	\$1,200
	Cement, hardware cloth, stucco, lathe, 24” galvanized nipples, etc...	\$700
	Walk-in trough 3’ fiberglass.....	\$800
Helicopter Services – Ferry	\$1000/hr x 8 hr., Work \$1600/hr x 12hr.....	\$27,200
Fuel Truck - \$1.30/ mile x 800 miles.....		\$1040
Water Rights Application.....		\$1,000

TOTAL TAG FUNDS.....\$34,028

Cost Share or Matching Funds

Donation of Sewer Pipe (20) 24"x20' lengths.....	\$10,060
Volunteer labor @ \$113/man day x 200 man days	\$22,600
Volunteer mileage @ \$.445/mile x 2400 miles.....	\$1068
TOTAL COST SHARE.....	\$33,728

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

AGFD Region IV in conjunction with Habitat Branch and BLM personnel will complete the needed environmental and cultural clearances for project completion. AZGFD personnel and BLM biologist and archaeologist have conducted a site visit and archaeological clearance (9-11-2012). AZGFD Region IV and Development Branch will provide construction coordination including transport of necessary tools and material to and from the staging area. The ADBSS will provide volunteer labor associated with construction of the water development.

WOULD IMPLEMENTATION OF THIS PROJECT ASSIST IN PROVIDING, MAINTAINING, OR FACILITATING RECREATIONAL ACCESS?

YES[] NO[] N/A[X]

PROJECT MONITORING PLAN:

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

PROJECT MAINTENANCE:

AGFD Region IV will perform routine maintenance checks and assess performance during regular water monitoring activities and coordinate with AGFD Development Branch to conduct any needed maintenance.

PROJECT COMPLETION REPORT TO BE FILED BY:

Deanna Pflieger, AZGFD, Region IV

WATER DEVELOPMENT PROJECTS (see attached worksheet):

Yes

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

PROJECT NAME: Scaddan Tank

- 1) **Is the water development listed as a priority in the most recent "Wildlife Water Development Annual Implementation Schedule? Yes**
- 2) **Please list the Development Branch personnel and date coordinated with for this project.**
Ed Jahrke/Joe Currie 8/25/2011 and again 8/25/2013; 1/17/2014 (site visit)
- 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): spring
Ownership of water source: BLM
Distance in miles from project: 1.06 mi
- 6) **Is the target wildlife species a result of transplant efforts? YES NO**
Important *source* population for Bighorn Sheep translocations
- 7) **Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument). 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**
**If foot access only: Distance in miles: 0.74 mi Approximate hiking time: 20 min

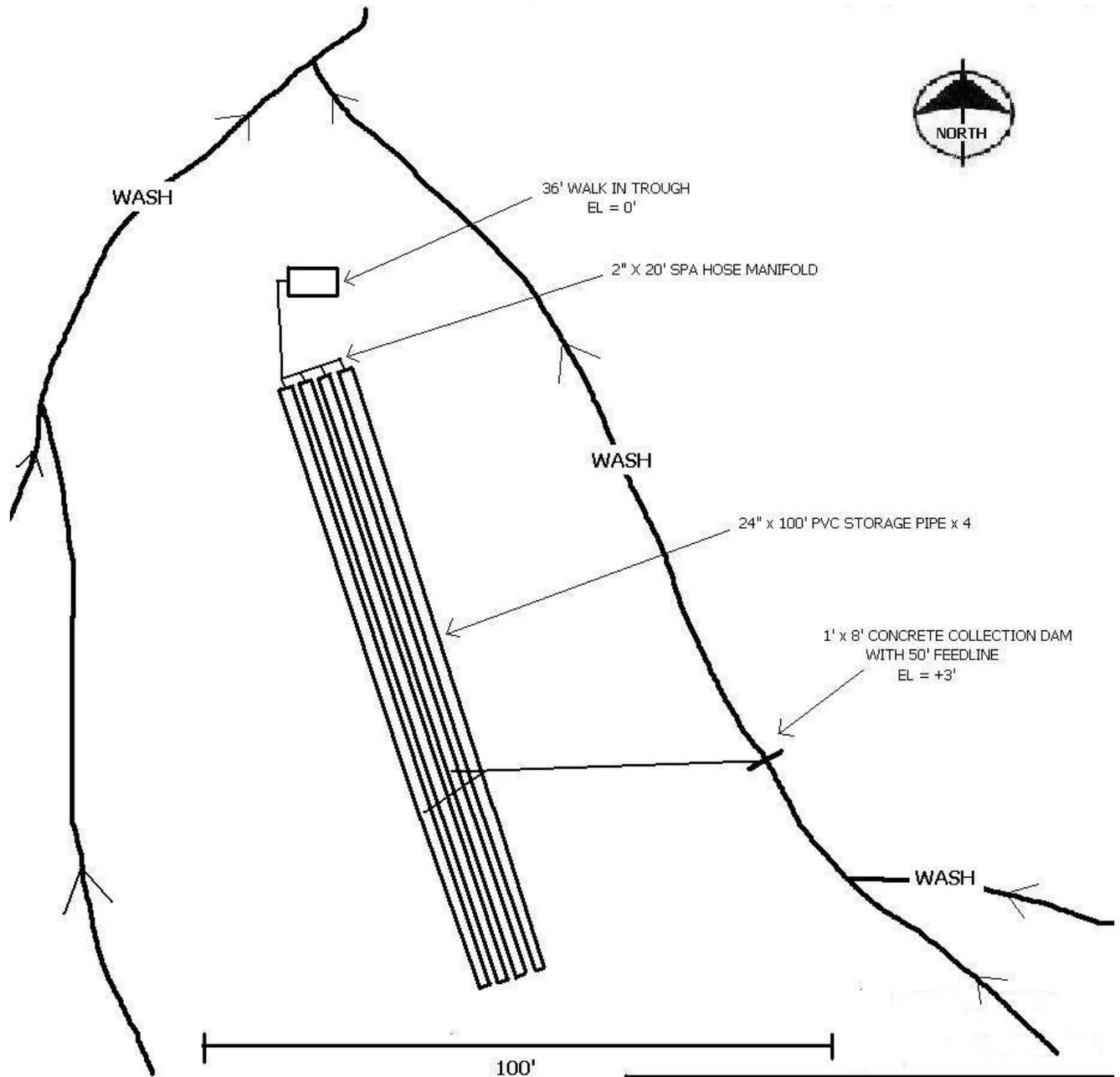
-- Does access to this site require crossing private or tribal lands? YES NO

-- Please describe any restrictions to public access: none

Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.

See schematic drawing (4-100' lengths of pvc, plumbing and collection point, 36" walk-in trough)

- 9) **Was a site visit completed? Yes No**
If Yes, please list personnel that attended and date.
8/11/2011 D. Pflieger & Dave Conrad
9/11/2012 D. Pflieger (AZGFD), E. Stewart, T. Jones (BLM)
1/17/2014 D. Pflieger, Ed Jahrke (AZGFD), Ron Morphin (BLM), I. Beltran/J. Cullen (ADBSS)



ARIZONA GAME AND FISH DEPARTMENT

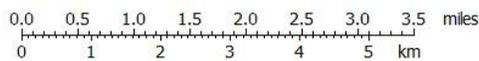
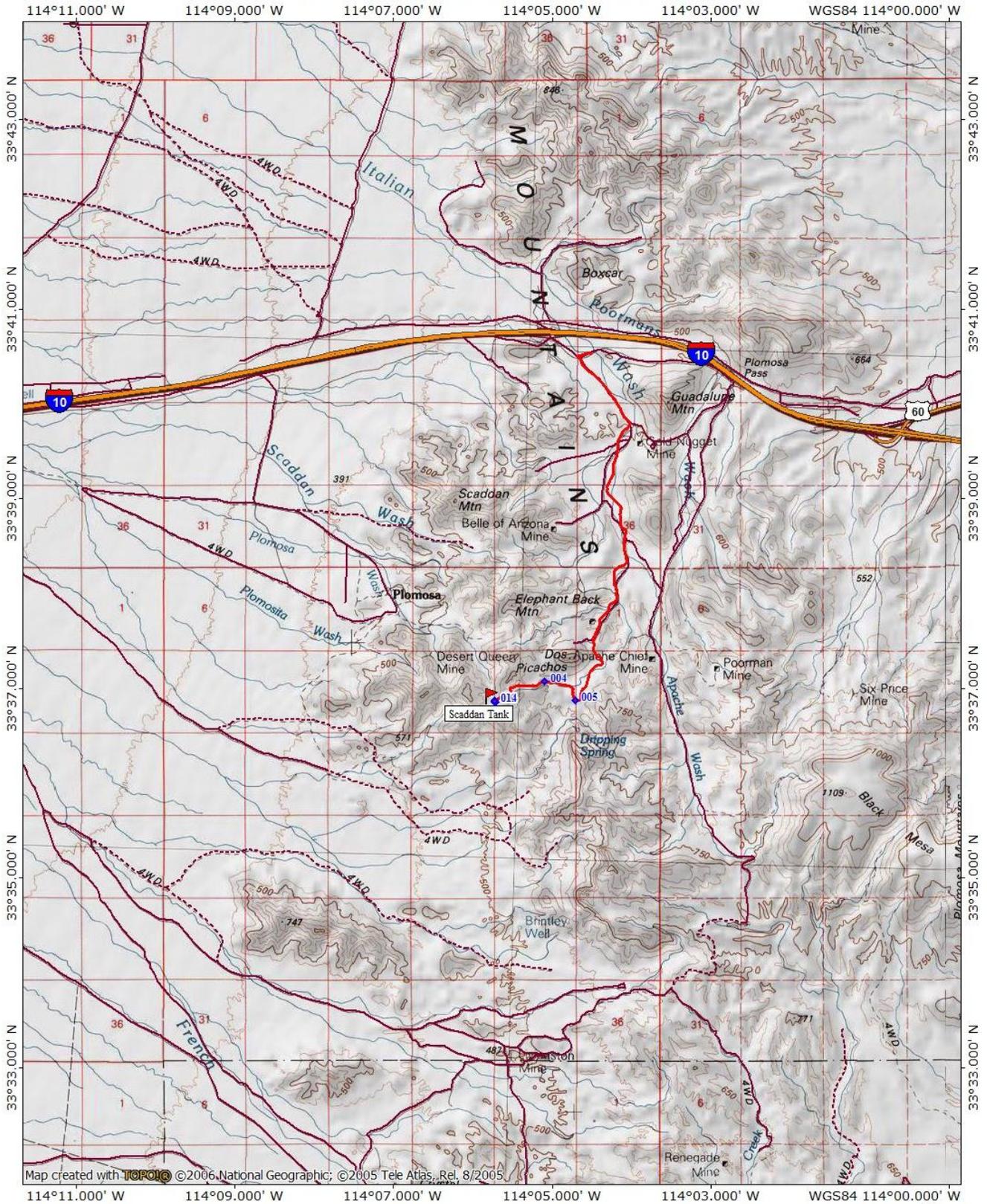
SCHEMATIC DRAWING OF: SCADDEN

N 33 36.85 W 114 5.72

LA PAZ COUNTY, ARIZONA

BY	DAVE CONRAD	DATE	8-26-11
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TOPO! map printed on 08/28/11 from "Untitled.tpo"



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11 1/2°
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ARIZONA GAME AND FISH DEPARTMENT

VOLUNTEER HOURLY RATES AND CLASSIFICATIONS WORKSHEET

PROJECT TITLE: _____

The value of volunteer labor should be calculated at the hourly rate of an employee doing similar work, or using hourly rates from the Arizona Department of Administration's Human Resource web site, plus a standard ERE rate of 35%. http://www.hr.az.gov/HR_Professional/Class_Comp/PDF/alphacovered.pdf

\$0.445/mile should be the calculation used for mileage.

Water Development	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
	1600	2400	\$14.14	\$23692
Habitat Restoration and Clean Up	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$14.14	
Fisheries	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$14.14	
Nongame Branch Project	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$14.14	
Misc/office work	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			varies	
Community Services	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$7.44	
Events and Other	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$14.14	
Research Branch	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$14.14	
Wildlife Area Hosts	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$17.44	
Education Programs	Volunteer Hours	Volunteer Miles	Hourly Rate	Estimated Value
			\$16.07	
Totals				