

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

Game Branch / HPC Project Number:	14-303
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PROJECT INFORMATION

Project Title: Music Mountain #3-5 Catchment Redevelopment	
Region and Game Management Unit: Region 3/Game Management Unit 15A	
Local Habitat Partnership Committee (LHPC): • Kingman HPC	Was the project presented to the LHPC? YES[X] NO[]
Has this project been submitted in previous years? YES[X] NO[] If Yes, was it funded? YES[] NO[X] → HCP Project #: 06-301	
Project Type: Redevelopment of Wildlife Water Catchments	
Brief Project Summary: Installation of two new buried 18' X 3' fiberglass tanks with walk-in trough(s) and buried pipelines for most of the distance to the new tanks. Removal of the existing catchments, replacement of tank covers, soil re-contouring and fence replacement (with three-rail, black-pipe fence) would also occur as needed. Internal fencing to prevent elk damage to catchment aprons would also be installed. Catchment aprons and fencing would be camouflaged to blend into the surrounding landscape. All renovations would occur within the existing fenced areas surrounding the catchments.	
Big Game Wildlife Species to Benefit: Mule Deer, Elk, Pronghorn Antelope, Mountain Lion, Javelina	

Implementation Schedule (Month/Day/Year): Project Start Date: January 2015 Project End Date: December 2017	Environmental Compliance: NEPA Completed: YES NEPA completed for <u>Music Mountains #3-5</u> Projected Completion Date: _____ State Historic Preservation Office - Archaeological Clearance: YES[X] No[] Projected Completion Date: _____ Arizona Game and Fish Department EA Checklist: N/A[] To be Completed by: <u>Joseph Currie AGFD</u> Projected Completion Date: 2014
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PROJECT FUNDING

Special Big Game License Tag Funds Requested: Phase 3- \$152,757.00 (2015-2017).	
Cost Share or Matching Funds: \$00.00	
Total Project Costs: 152,787	

PARTICIPANT INFORMATION

Applicant (please print): Brandon Carley	Address: 5325 N. Stockton Hill Road Kingman, AZ 86409	E-mail: bcarley@azgfd.gov
Telephone: (928)692-7700		Date: August 29, 2014

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

Project has been coordinated with:

AZGFD- Joseph Curry, Deanna Kephart, Trevor Buhr, Brandon Carley, BLM- Rebecca Peck, Ammon Wilhelm, Tim Watkins

NEED STATEMENT – PROBLEM ANALYSIS:

These catchments were originally constructed 30-50 years ago. Inspections have revealed that because of age-related deterioration, the catchments function poorly and are unreliable. Some of the catchments are entirely non-functional. The small capacity and outdated design require frequent monitoring and expensive water hauling trips to ensure sufficient water remains available for wildlife in the area. Each water-hauling trip by truck costs approximately \$600.

PROJECT OBJECTIVES:

The Department proposes to improve these existing water catchments to maintain the availability of water for wildlife at these locations. The purpose of these projects are to provide a dependable year-round water source for wildlife and reduce the number of annual water hauling and maintenance trips to each of the catchment locations. It is also the Department's objective to reduce the effects of drought and thermal stress on game species and other wildlife by constructing, redeveloping and maintaining wildlife water developments.

These projects were to be completed in 3 phases. Phase 1 included Music Mountains #6-9. This phase has already been completed and paid for entirely with WCF and BLM assistance agreement funds. Phase 2 will include Powerline and Music Mountains #1-2 catchments. This phase has already been funded by Special Tag and Federal Aid Funds to be completed in 2014-2015. Phase 3 will include Music Mountains #3-5. Once all 3 phases are complete, all of the Music Mountains will have updated and fully functional wildlife catchments.

PROJECT DESCRIPTION AND STRATEGIES:

At each catchment site:

1. Install two 3' deep X 18' diameter fiberglass ring tanks.
2. Install one 3' deep standard walk-in trough.
3. Install one 24' X 96' metal frame and R-panel apron.
4. Install wildlife friendly pipe-rail fence package (200' X 250").

PROJECT LOCATION:

Music Mountains #3 catchment #742- T24N R14W S10
Music Mountains #4 catchment #743- T28N R16W S32
Music Mountains #5 catchment #744- T28N R17W S12

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

BLM owns the land at each catchment site.

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

YES[] NO[]

HABITAT DESCRIPTION:

The Music Mountains #1-5 catchments are located in Mojave desert scrub habitat. This habitat consists of a vast and diverse expanse of shrubs, Joshua trees and cactus on desert uplands. The vegetation is dominated by Creosote Bush, White Bursage and mixed with shrubs such as Nevada Jointfir, Fremont's Dalea, salt bush, Brittlebush, Spiny Menodora, White Burrobush, Box Thorn, Spiny Hopsage, Littleleaf Ratany, Mormon Tea and Rabbitbrush. A number of yucca and yucca-like species can be found in this habitat, including Joshua trees, Mojave Yucca, Banana Yucca and Soapstone Yucca. Agave can be found in the rocky areas. Several types of cactus are common here, including Cholla, Pricklypear, Hedgehog Cactus, and occasionally Pincushion and Cottontop Cactus.

ITEMIZED USE OF FUNDS:

Special Big Game License Tag Funds

Phase 3- \$152,787 (2015-2017) Phase 3 will include Music Mountains #3-5.

For each catchment:

- 1) Two 3' deep X 18' diameter fiberglass ring tanks- \$12,672
 - 2) One 3' deep standard walk-in trough- \$2,107
 - 3) One 24' X 96' metal frame and R-panel apron- \$7,390
 - 4) One pipe-rail fence package (200' X 250')- \$3,750
 - 5) Labor contracted out- \$25,000
- Total Cost per Wildlife Catchment = \$50,929

Cost Share or Matching Funds

Phase 1- \$254,595 (completed with WCF and BLM assistance agreement funds). Phase 2- \$152,787 (funded with Special Tag and Pittman Robertson Federal Aid funds).

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

AGFD Development Branch, AGFD Region 3, BLM Kingman Office

PROJECT MONITORING PLAN:

Periodic checks will be made by the local Wildlife Manager to ensure that the catchments are functional and holding water properly.

PROJECT MAINTENANCE:

The AGFD development branch will do any maintenance or repairs that need to be completed on these catchments.

PROJECT COMPLETION REPORT TO BE FILED BY:

AGFD- Joseph Curry

WATER DEVELOPMENT PROJECTS (*see attached worksheet*):

Attached worksheet

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

Non-Applicable

ARIZONA GAME AND FISH DEPARTMENT WATER DEVELOPMENT WORKSHEET

PROJECT NAME: Powerline and Music Mountains #1-5 Catchments Redevelopment

- 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.**
Joseph Curry 8/27-28/08
- 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: N/A**

Name of water source:

Type of water source (catchment, spring, dirt tank):

Ownership of water source:

Distance in miles from project:

- 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). If private land, list landowner.**

The area that Music Mountains #5 is located in is considered an ACEC because of the Joshua trees in the area. There is no special land management status for the other catchments.

- 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: _____ Approximate hiking time: _____

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

-- Please describe any restrictions to public access:

No restrictions to access, property is BLM.

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

1) Two 3' deep X 18' diameter fiberglass ring tanks

2) One 3' deep standard walk-in trough

3) One 24' X 96' metal frame and R-panel apron

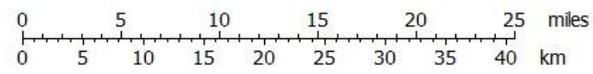
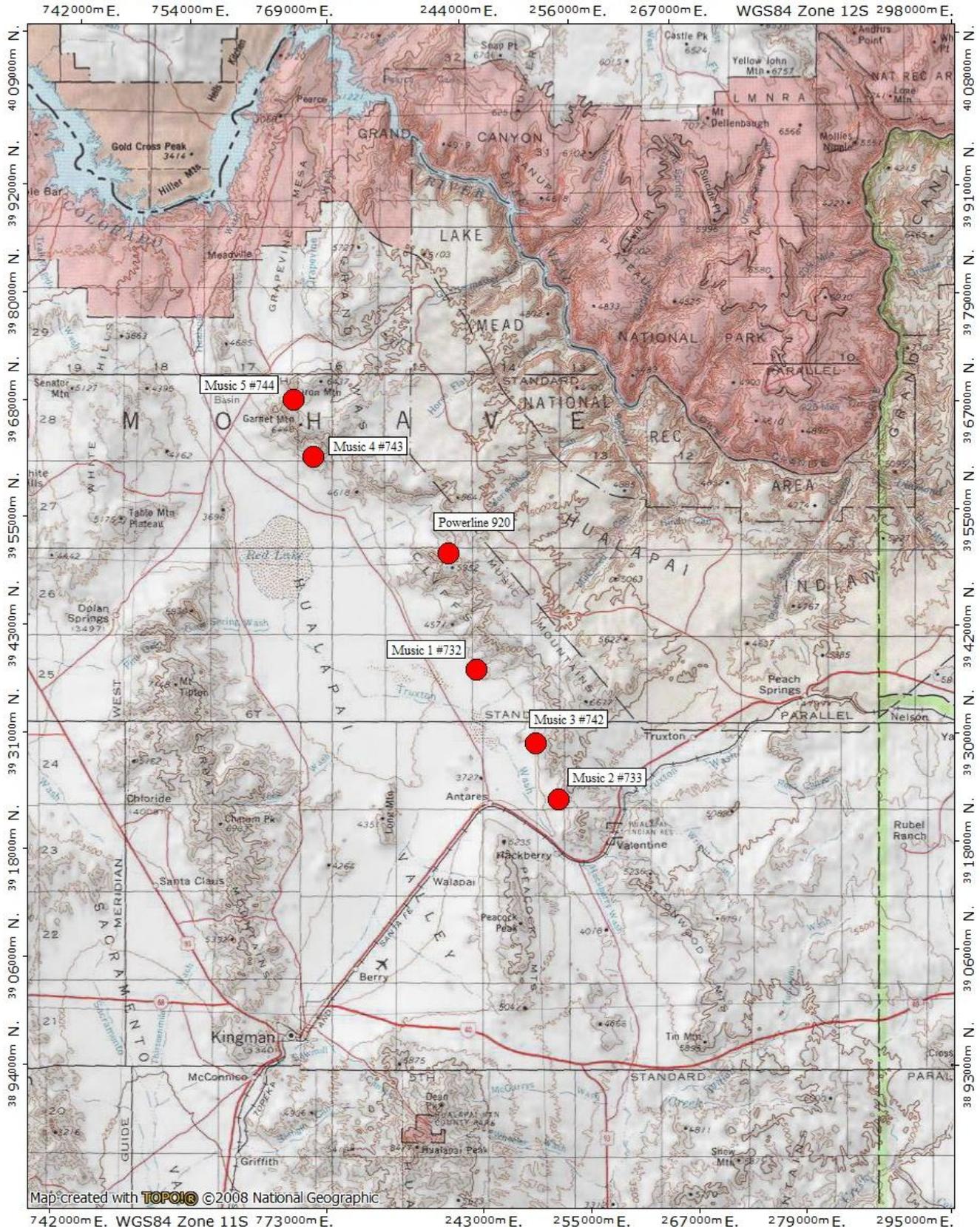
4) One Pipe-rail fence package (200' X 250')

10) Was a site visit completed? Yes[X] No[]

If Yes, please list personnel that attended and date.

On 09/03/08 Lainie Ozment, Joe Curry and Erin Butler of the AGFD and Ammon Wilhelm of BLM completed a site visit of Music Mountains catchments #3-5.

TOPO! map printed on 08/23/11 from "Powerline and Music Mountains #1-5 Catchments.tpo"



TN 12° MN
08/23/11