

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

Game Branch / HPC Project Number:	12-304
Possible Funding Partners:	

PROJECT INFORMATION

Project Title: Music Mountain #1 Wildlife Water Catchment Redevelopment

Region and Game Management Unit: Region 3/ Game Management Unit 15A

Local Habitat Partnership Committee (LHPC):

- Kingman no longer has a local HPC

Was the project presented to the LHPC?

YES[] NO[X]

Has this project been submitted in previous years? YES[X] NO[]

If Yes, was it funded? YES[] NO[X] → **HPC Project #:**

Project Type: Redevelopment of Wildlife Water Catchment

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, re-contouring of soil as needed and fence replacement with three-rail, black-pipe fence. 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, Pronghorn Antelope

Implementation Schedule (Month/Day/Year):

Project Start Date: October 2013

Project End Date: April 2014

Environmental Compliance:

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

Projected Completion Date: 10/17/08 BLM – Maintenance

State Historic Preservation Office - Archaeological Clearance:

YES[X] No[] N/A[]

Projected Completion Date: 09/30/08 Craig J. Johnson, BLM

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

To be Completed by: Joseph Currie/Dee Kephart AZGFD

Projected Completion Date: June 2013

PROJECT FUNDING

Special Big Game License Tag Funds Requested: \$ 26,284

Cost Share or Matching Funds: \$ 10,000 BLM, Kingman Field Office

Total Project Costs: \$ 36,284

PARTICIPANT INFORMATION

Applicant (please print):
Brandon Carley AZGFD

Address: 5325 N. Stockton Hill Road
Kingman, AZ 86409

E-mail: bcarley@azgfd.gov

Telephone: 623-252-8700

Date: August 16, 2012

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

Project has been coordinated with:

AZGFD- Brandon Carley, Deanna Kephart, Trevor Buhr

BLM- Rebecca Peck, Ammon Wilhelm

NEED STATEMENT – PROBLEM ANALYSIS:

This catchment was originally constructed in 1969 with concrete aprons and concrete tanks that have exceeded their expected functionality. An inspection has revealed that because of age-related deterioration, the catchment functions poorly and is unreliable. 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 \$550. Updating this catchment is necessary to provide water for wildlife, particularly pronghorn and mule deer in the area.



Music Mountain #1 (732) Wildlife Water Catchment

PROJECT OBJECTIVES:

The Department proposes to improve the existing water catchment to maintain the availability of water for wildlife at this location. AZGFD proposes to remove the concrete apron and tank, replacing them with a 24X96 tin apron set on a metal frame at ground level. Two fiberglass tanks will be set underneath the apron and connected to a walk in trough drinker. The existing barb wire fence will be replaced with a 3 railed pipe rail fence. The holding capacity of the catchment will be increased from approximately 4000 gallons to 12,000 gallons. The purpose of this project is to provide a dependable year-round water source for wildlife and reduce the number of annual water hauling and maintenance trips to the catchment. 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.

PROJECT DESCRIPTION AND STRATEGIES:

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 (150' X 150').
5. Install miscellaneous pipe and plumbing connections between the tanks and drinker.

PROJECT LOCATION:

Music Mountains #1 catchment #732- Township 25 North, Range 14 West, Section 18

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 catchment is located in Mojave Desert scrub habitat. The elevation at this catchment is 3740 feet. 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 Soap-tree 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

- 1) Two 3' deep X 18' diameter fiberglass ring tanks- \$20,020
 - 2) One 3' deep standard walk-in trough- \$3,294
 - 3) One 24' X 96' metal frame and R-panel apron- \$7,580
 - 4) One pipe-rail fence package (150' X 150')- \$3,390
 - 5) Misc. pipe, fittings and plumbing- \$2,000
- Total Cost for Wildlife Catchment = \$36,284**

Cost Share or Matching Funds

BLM, Kingman Field Office has \$10,000 available funds for contribution to this project.

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 the catchment.

PROJECT COMPLETION REPORT TO BE FILED BY:

Dee Kephart, Habitat Specialist, Region III AZGFD

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: Music Mountains #1 Catchment 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 Currie, AZGFD 09/03/2008

- 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.**

There is no special land management status for the catchment.

- 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.

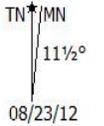
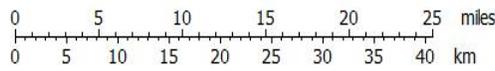
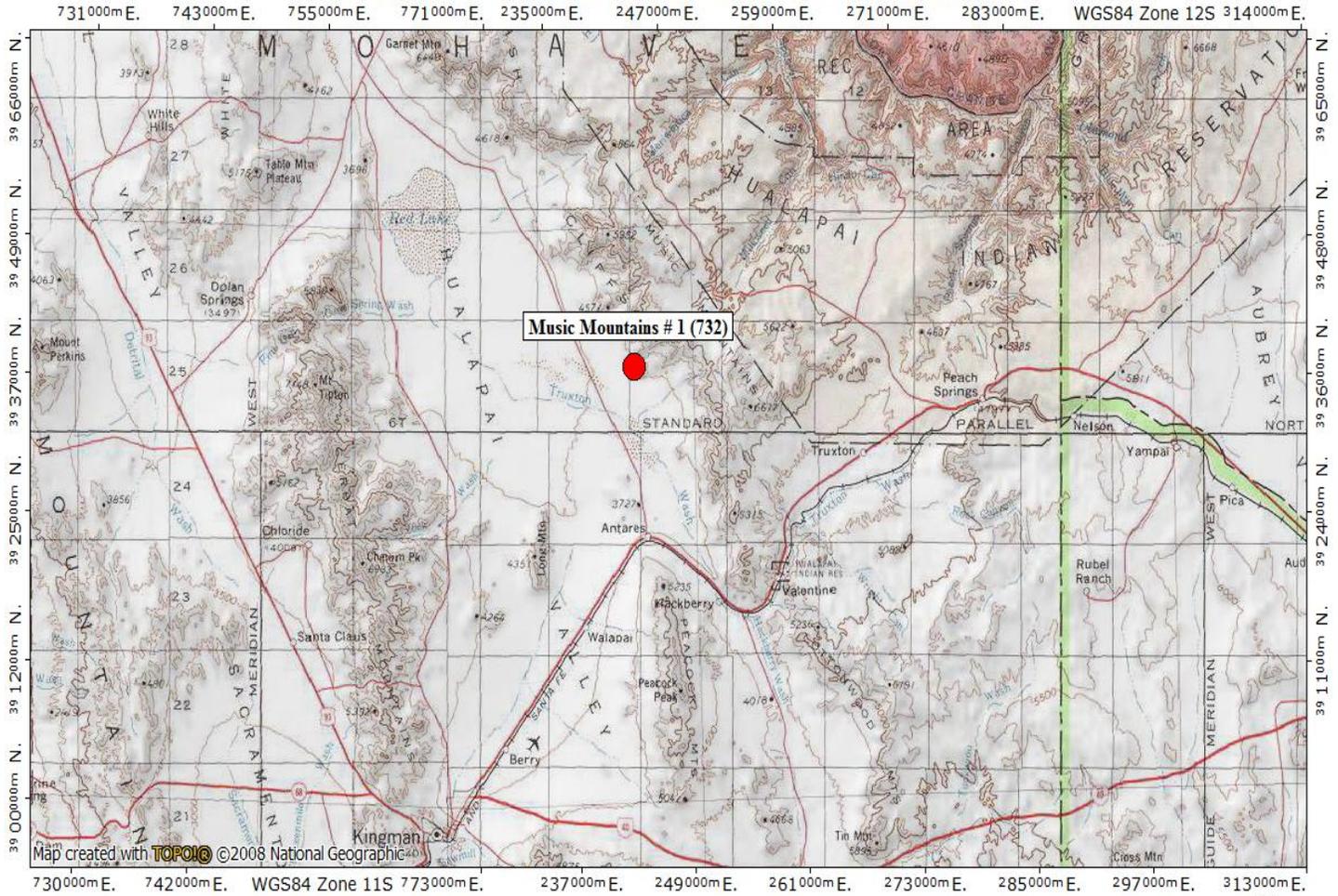
- 1) Two 3' deep X 18' diameter fiberglass ring tanks
- 2) One 3' deep standard walk-in trough
- 3) One 24' X 96' metal frame and R-panel apron
- 4) One Pipe-rail fence package (150' X 150')

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

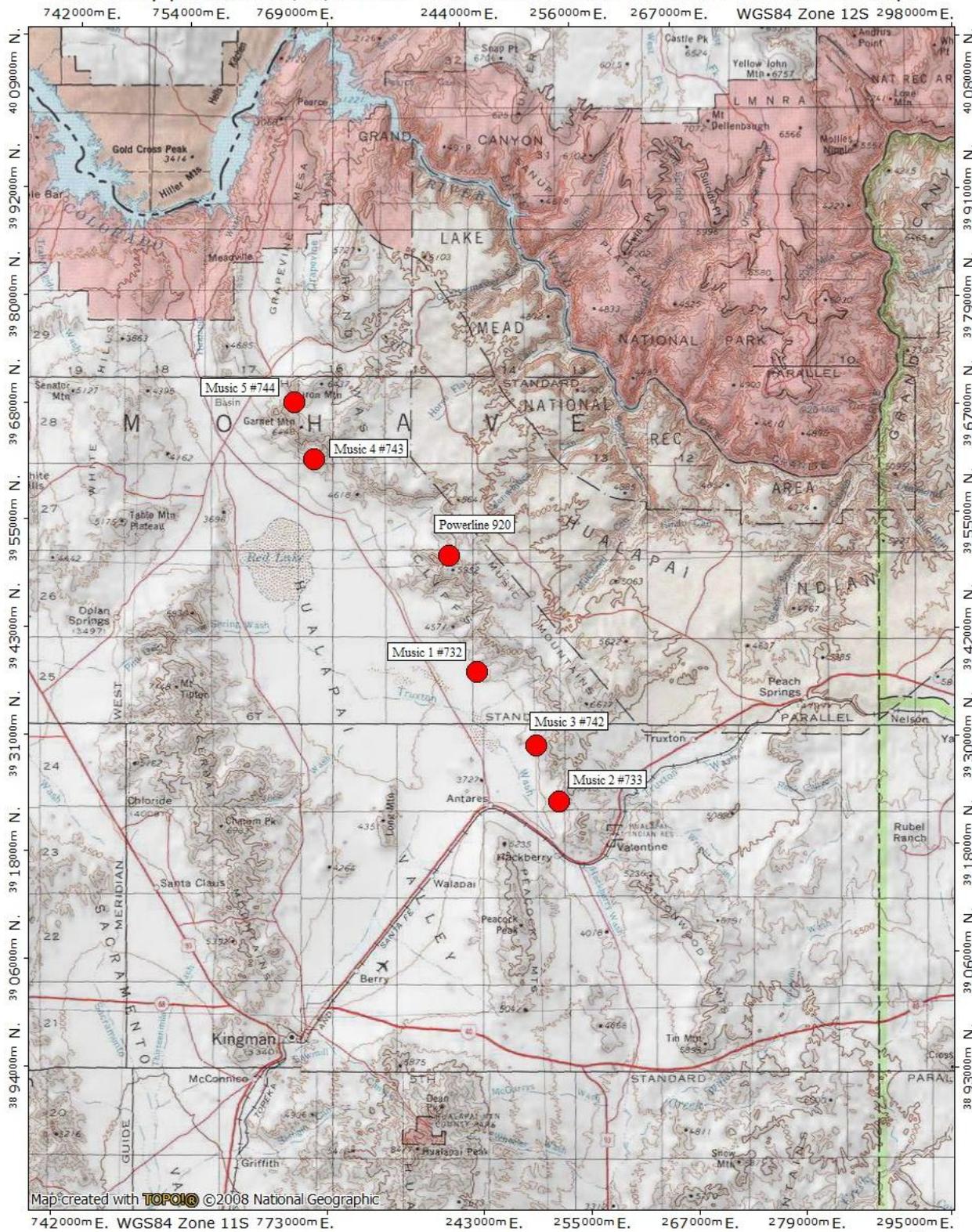
If Yes, please list personnel that attended and date

Joe Currie, AZGFD 9/3/08
Erin Butler, AZGFD 9/3/08
Lainie Antolik, AZGFD 9/3/08
Ammon Wilhelm, BLM 9/3/08
Brandon Carley, AZGFD 08/22/12
Trevor Buhr, AZGFD 08/22/12

TOPO! map printed on 08/23/12 from "Musics #1 732 Catchment.tpo"

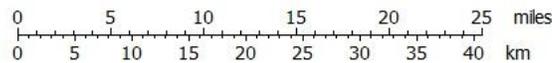


TOPO! map printed on 08/23/11 from "Powerline and Music Mountains #1-5 Catchments.tpo"



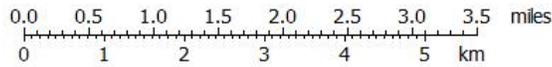
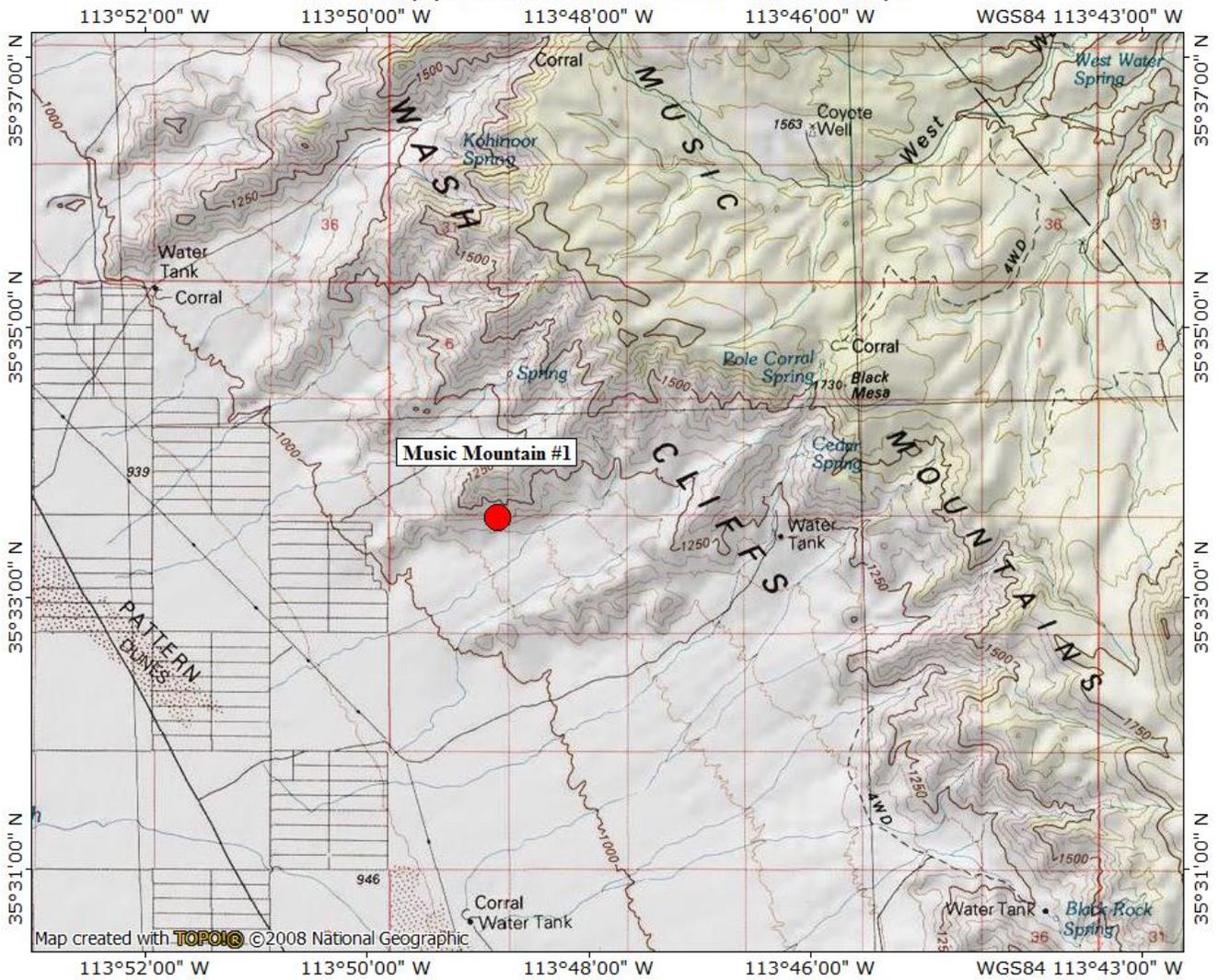
Map created with TOPO! ©2008 National Geographic

742000m E. WGS84 Zone 11S 773000m E. 243000m E. 255000m E. 267000m E. 279000m E. 295000m E.



TN 12°
 08/23/11

TOPO! map printed on 08/31/12 from "Musics #1.tpo"



TN ↑ MN
11 1/2°
08/31/12