

**ARIZONA GAME AND FISH DEPARTMENT
HABITAT PARTNERSHIP COMMITTEE
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**
Electronic version available here: <https://goo.gl/forms/NZ8uNdSYpqq0AoUL2>

HPC Project Number:

18-304

PROJECT INFORMATION

Project Title:	Wolf Creek/ Blue Bell/ Big Bug Allotments Spring Redevelopment		
Game Management Unit:	20A	Region:	3
Local Habitat Partnership Committee (LHPC):		Was the project presented to the LHPC?	
Yavapai (Prescott)		NA	
<p>Project Location: (Please provide <u>lat/long</u> in decimal degrees or meters of project area using datum WGS84 or NAD83. If project is larger than one point, please include them all. Provide an accompanying shapefile as an attachment for the project area). Please include enough maps to clearly demonstrate what the project will accomplish and where in Arizona the project is located (e.g. site specific map, and a larger overview map that shows where in the state the project is located).</p>			
<p>LATITUDE/NORTHING: Multiple, please see map.</p> <p>LONGITUDE/EASTING:</p> <p>MULTIPLE LOCATION COORDINATES: Please separate coordinate pairs with names & commas. (ex. Bob's Tank 34.365, -110.663. Clear Spring 34.55, -110.107, etc.):</p>			
Project Type:	Spring Redevelopment		
Water Project Action (if applicable):			
Habitat Restoration Action (if applicable):			
Other Project Type and Action (if applicable):			
Has this project been submitted in previous years?	No		
PROJECT SUMMARY			
Describe the proposed action only. Please use plain English, what action are you proposing? (If applicable, please reference any completed compliance including EAC#).			
<p>Brief Project Summary: This project will consist of redeveloping 35 spring boxes. 13 of the springs are located on the Blue Bell/Wolf Creek allotment and 22 springs are located on the Big Bug allotment. The project will consist of redeveloping these failing spring boxes. All work will be done by hand and within the foot print of the original project so no archaeological survey is needed per USFS.</p>			
Primary Big Game Wildlife Species to Benefit:	mule deer (80%), javelina (20%)		
Implementation Schedule (Month/Day/Year)	START DATE: 04/01/19	COMPLETION DATE: 12/31/19	

PROJECT FUNDING

Project Funding *Qualifying Cost Share should be restricted to support (materials, compliance, and or labor) of the proposed action ONLY (same time and place). Please do not include previously purchased supplies or past completed work.	Itemized Use of Funds Please email separate quotes if HPC funds are to be used to purchase materials or contracted labor: HPC@azgfd.gov .
<u>HPC Funds Requested</u> Amount: \$34,912.5 <u>Cost Share or Matching Funds</u> Amount: \$ 34,912.5 <u>Percent Match :</u> 50% <u>Total Project Cost</u> <u>Cost per spring</u> Labor - \$28 x 40 hours = \$1,120 Floats, piping, materials = \$500 Concrete for trough = \$375 Total per spring = \$1,995 35 springs x \$1,995 = \$69,825 Amount: \$ 69,825	<u>HPC Funding;</u> Labor - \$28 x 40 hours = \$1,120 x 1/2 = \$560 Floats, piping, materials = \$500 x 1/2 = \$250 Concrete for trough = \$375 x 1/2 = \$187.5 Total per spring = \$1,995 x 1/2 = 997.5 35 springs x \$1,995 = \$69,825 x 1/2 = \$34,912.5 Grand total \$34,912.5 <u>Match :</u> Labor - \$28 x 40 hours = \$1,120 x 1/2 = \$560 Floats, piping, materials = \$500 x 1/2 = \$250 Concrete for trough = \$375 x 1/2 = \$187.5 Total per spring = \$1,995 x 1/2 = 997.5 35 springs x \$1,995 = \$69,825 x 1/2 = \$34,912.5 Grand total \$34,912.5

ENVIRONMENTAL COMPLIANCE

Please indicate the status of the Project's compliance. if you are unsure, please reference:

HPC Compliance Checklist (<https://www.azgfd.com/wildlife/hpc/forms/>).

If you have questions regarding the requirement of an EAC, contact AGFD's Project Evaluation Program:

(<https://www.azgfd.com/wildlife/planning/projevalprogram/>).

***Please email supporting compliance documents to HPC@azgfd.gov ***

AGFD EA Checklist Completed:		Completion Date:	
NEPA Completed:	NA	Completion Date:	
State Historic Preservation Office/ Archaeological Clearance:		Completion Date:	

CONTACT INFORMATION

Applicant

The project applicant is the responsible party for seeing the work through to completion.

APPLICANT NAME: Dennis Fogle

PHONE: 480-318-6221

ORGANIZATION: Arizona Game & Fish Department

EMAIL: dfogle@azgfd.gov

ADDRESS: 5325 N Stockton Hill Rd, Kingman, AZ 86409

AGFD Project Proponent

The Project Proponent is responsible for compliance, implementation, and annual/final reporting requirements.

AGFD CONTACT NAME: Dennis Fogle

PHONE: 480-318-6221

Cooperators

COOPERATOR NAME(S), ORGANIZATION, ROLE IN PROJECT:

Tom Lowe (Owner of Lazy Lo Ranch), Mitchel Lomas (Ranch Manager of Lazy Lo Ranch), Terry Herndon (Arizona Mule Deer Organization)

PROJECT NEED AND DESCRIPTION

Please use direct language: why is this project important? What problem will be solved? How will you implement it, and how will the habitat be enhanced? Please include # of acres, methods, roles, and any phases. Please be specific and thorough.

NEED STATEMENT – PROBLEM ANALYSIS:

This project is 1 of 2 HPC proposals this cycle to enhance water availability on the Blue Bell/ Wolf Creek and Big Bug allotments. These allotments are near the Goodwin Fire footprint and will enhance water availability in the fire area as outlined in the Management Focus Area Plan (MFA) for GMU 20A. A map is attached to show all 35 springs developments to be redeveloped on these allotments. This proposal is to redevelop spring boxes and the other proposal is to clean out earthen stock tanks.

Perennial water in this area is sparse. These allotments have not been utilized by cattle for years and thus maintenance of cattle waters has been neglected. All of the spring developments are damaged and do not hold water. Mule deer water sources should not be more than 3 miles apart so all mule deer habitat is within 1.5 miles of a permanent water source (WAFWA Habitat Guidelines for Mule Deer). In this area, there are several areas that have more than a 3 mile gap in water availability. Redeveloping these damaged springs will provide several perennial water sources for cattle and wildlife and will significantly reduce the distance between water sources and allow wildlife to utilize all available habitat.

Portions of the Blue Bell/Wolf Creek and Big Bug allotments are within the footprint of the Goodwin Fire. Adequate browse is now available in the area and water would be the limiting factor in this area.

The rancher estimates that these improvements along with requested dirt tank cleanouts will positively improve roughly 80,000 acres across the three allotments. In addition, the Department is working with a bordering ranch (Turkey Creek Ranch) on Landowner Relation Projects and HPC projects. The Turkey Creek Ranch also is within the footprint of the Goodwin Fire. The combination of these project proposals are landscape level and incorporate most of the Northeastern Bradshaw Mountains. These water projects could have an even greater benefit in the coming years with the soon to be approved

Hassayampa Restoration Plan from USFS which would provide NEPA for the entire Bradshaw Mountain Ranger district to implement habitat projects such as thinning and burning.

Below are the names of the springs to be redeveloped.

Big Bug Allotment Springs: Section 12, Hoot Owl, Smith Ravine, Postmaster, Beck, Brady, Salida, Green Gulch, Charcoal, Nemo, Postmaster, Culver, Bones, Davis Spring 2, Crystal, Watson, Taft, Pipeline, Coyote, Bootleger, N. Daniels, and S. Daniels.

Wolf Creek/ Blue Bell Springs: Pine, Arrastra, Long Fellow Ridge , Willow, Pine Creek, Brushy Basin, Upper, Deer, Coyote, Mineral Creek, Spring, Yellow Jacket, Cedar Creek.

PROJECT DESCRIPTION AND STRATEGIES:

All 35 springs are located on Forest Service Land and USFS has provided an email stating that the project has no cultural impact since all ground disturbing work will be done by hand and in the original footprint of the old spring development. The project will consist of redeveloping 35 spring improvement projects. Lazy LO Ranch will contract two field workers who will work for \$14 per hour. These two workers will do all work by hand and shovel. It will take a 40 hour work week per worker to complete one spring redevelopment. At each spring, a concrete drinker will be built and cost \$375 per drinker. Piping from the spring to drinker will be replaced with new piping. Again all work will be done in the original footprint of the existing spring development; therefore no arch survey is needed. Float valves will be installed in the drinker so it does not overflow. An escape ramp for wildlife will also be placed in the drinker to allow for small animals to escape. Spring redevelopments will start in early spring of 2019. These spring redevelopments should provide perennial water sources to wildlife and cattle.

The new waters will allow the rancher to run cattle more effectively on the ranch and utilize different pastures.

LAND OWNERSHIP AT THE PROJECT SITE(S):

Forest Service

- The entire project lies within Forest Service land.

PROJECT MONITORING PLAN:

Project progress will be monitored by AGFD Wildlife Manager Dennis Fogle and Lazy LO Ranch Manager Mitchell Lomas.

PROJECT MAINTENANCE:

Future maintenance of the spring developments will be completed by Lazy LO Ranch and at the expense of Lazy LO Ranch. Long term monitoring includes Lazy LO Ranch analyzing cattle range use.

PROJECT COMPLETION REPORT TO BE FILED BY:

Completion report will be filled out by AGFD Wildlife Manager Dennis Fogle and Lazy LO Ranch Manager Mitchell Lomas.

SUPPORTING DOCUMENTS LIST:

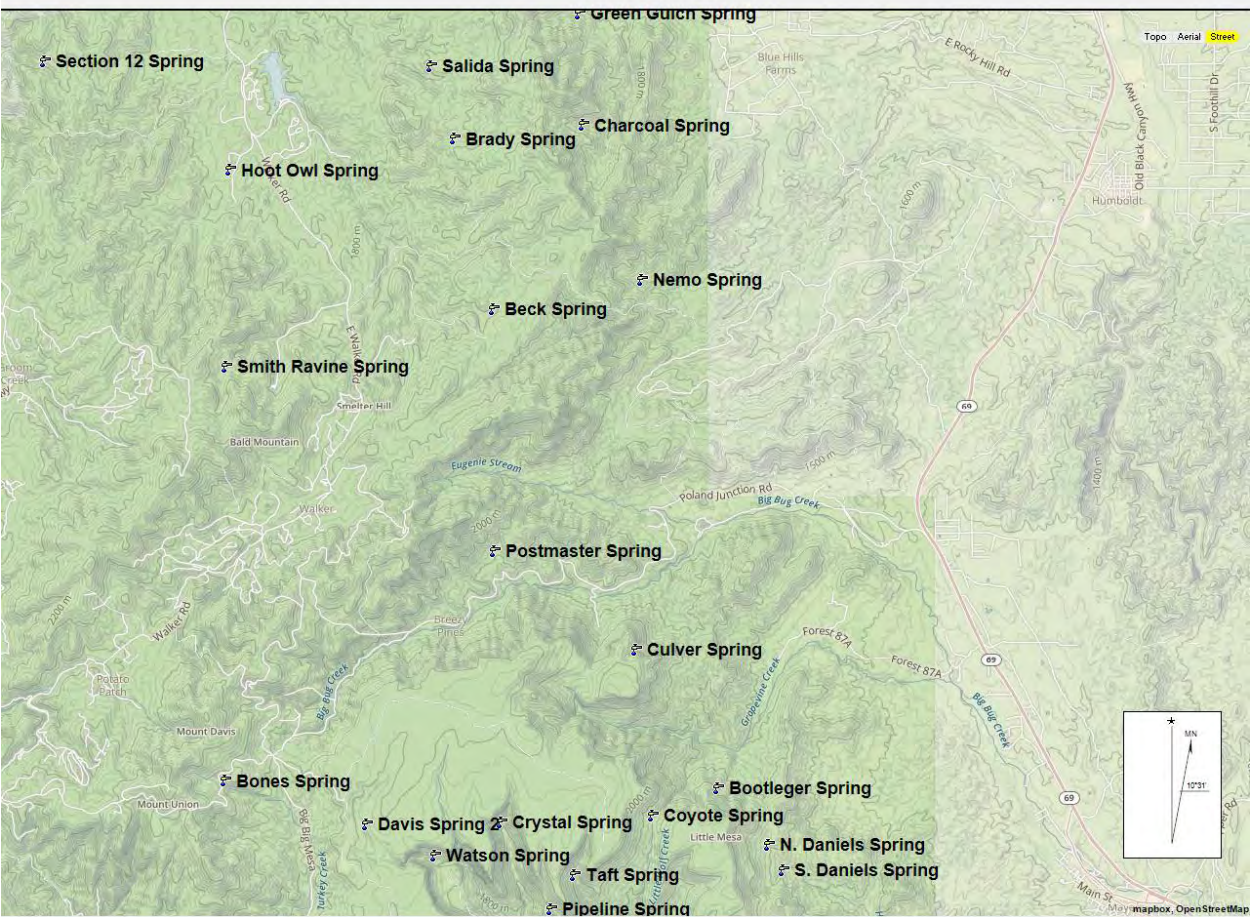
If you are unsure, please reference the Recommended Supporting Documents for your Application:
(<https://www.azgfd.com/wildlife/hpc/forms/>).



All 35 spring redevelopments on one map. Each water valve indicates a spring.



All 13 spring redevelopments on the Blue Bell/ Wolf Creek Allotment



All 22 spring redevelopments on the Big Bug Allotment



Map of all proposed water projects on the Wolf Creek/ Blue Bell and Big Bug allotments (58 water improvements).

Big Bug allotment-Mitchell

Inbox x



Russell, William J - FS <wjrusell@fs.fed.us>

Fri, Aug 17, 4:01 PM (13 days ago)



to me ▾

Good afternoon Dennis,

I just met with Mitchell for the Big Bug allotment, he has quite a list of improvements for you to try to fund. I gave him a few more maps, with projects highlighted but basically if the springs have existing infrastructure such as troughs, pipe or a spring box that is considered maintenance. Maintenance is covered through the grazing permit issued to the Lazy-LO Ranch. All proposed work spring and well work will be completed by hand, all staying within the current footprint, therefore, arc surveys are not needed. The dirt tanks on the Wolf Creek allotment have been arc surveyed (see attached clearance). With the dirt tanks all work will stay within current footprints as well. No NEPA is needed for any existing range improvement via spring development, putting solar on wells or stock tanks.

FS supports the proposed maintenance of Range Improvements. If you need any clarification or more information please reach out to me. In the future, it is easier to have meetings with all three of us at one table or on the ground to iron out all the details of the proposed work. Mitchell will also give you a proposed new improvement map for the Wolf Creek, that decision has not been signed nor will it in the next few weeks but it is good information for you for the next year potentially. Thank you for your time and hopefully we can get a few projects funded this year. Did Tim Peterson give you the email I sent for his proposed work?



Jake Russell
Range Specialist

Forest Service

Prescott National Forest, Chino Valley Ranger District

p: 928-777-2223

c: 928-308-6698

wjrusell@fs.fed.us

735 N. HWY 89

Chino Valley, AZ 86323

www.fs.fed.us



Caring for the land and serving people

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Email from Jake Russell of USFS.

Forest: Prescott
District: Bradshaw

State Project Number:

INVENTORY STANDARDS AND ACCOUNTING

(Reference FSM 2361)

1. Report Number:				2. Report Date:		
Year	Forest	Number	Series	Month	Day	Year
2015	09	18		05	11	2015

3. Routing: Copies to
☒ District ☐ RO ☐ SHPO ☐ 2360 ☐ SO: ☐ Other: J. Russell 5/12/2015

4. Author:
A. ☐ Zamora ☐ E ☐ B.

5. Project Name/Report Title (Abbreviate if Necessary):
Bluebell/Wolf Creek Allot. - 19 Stock Tank Maintenance

6. Abstract/Summary of Report and Findings:
It is proposed to conduct maintenance on 19 earthen stock tanks (Figures 1 - 4) within the Bluebell/Wolf Creek Allotments (see list of tanks in Section 37). Project activities will consist of cleaning out sediments and vegetation within the tanks and placing the sediments on or along the sides of the tank. The overflow areas and the dams may need to be maintained or reconstructed. Fences that surround the tanks may also need to be maintained. Access will be along existing roads or two-tracks and no maintenance will be needed. Mechanized equipment such as a D3 caterpillar will be used to conduct maintenance activities. Fence maintenance, if

Continued Page 2 ☒

7. Consultation/Clearance

A. Conditions of Clearance:

<input type="checkbox"/> None (No potentially eligible sites in project area)	Avoid sites specified below
<input type="checkbox"/> Monitor sites specified below	<input checked="" type="checkbox"/> Report new sites to Forest Archeologist
<input checked="" type="checkbox"/> Other/additional comments	

Project activities are limited to the existing tank areas where previous ground disturbances have occurred. Access for all vehicles and mechanized equipment will be along existing roads or two-tracks. Road and/or route maintenance will not be needed and the blade of the D3 will be raised until it reaches the tank area.

Continued Page 2 ☒

B. Additional Fieldwork Required: ☐ Evaluate sites specified below ☐ Other, see below

Continued Page 2 ☐

C. Report Accepted: ☒ Yes ☐ No

D. Clearance Recommended: ☒ Yes ☐ No ☐ N/A

Forest Archaeologist: *[Signature]* **Date:** 5/12/15

E. Effect: ☐ No Effect ☐ No Adverse ☐ Adverse ☒ N/A ☐ Beneficial

F. Consult SHPO on: ☐ Effect ☐ Eligibility ☐ Info Only ☐ Other

Forest Supervisor: *[Signature]* **Date:** 5/18/2015

G. SHPO Concurrence: ☐ Yes ☐ Yes, per comment below ☐ No, per comment below

☐ Case-by-case concurrence not required per R-3 Programmatic Agreement

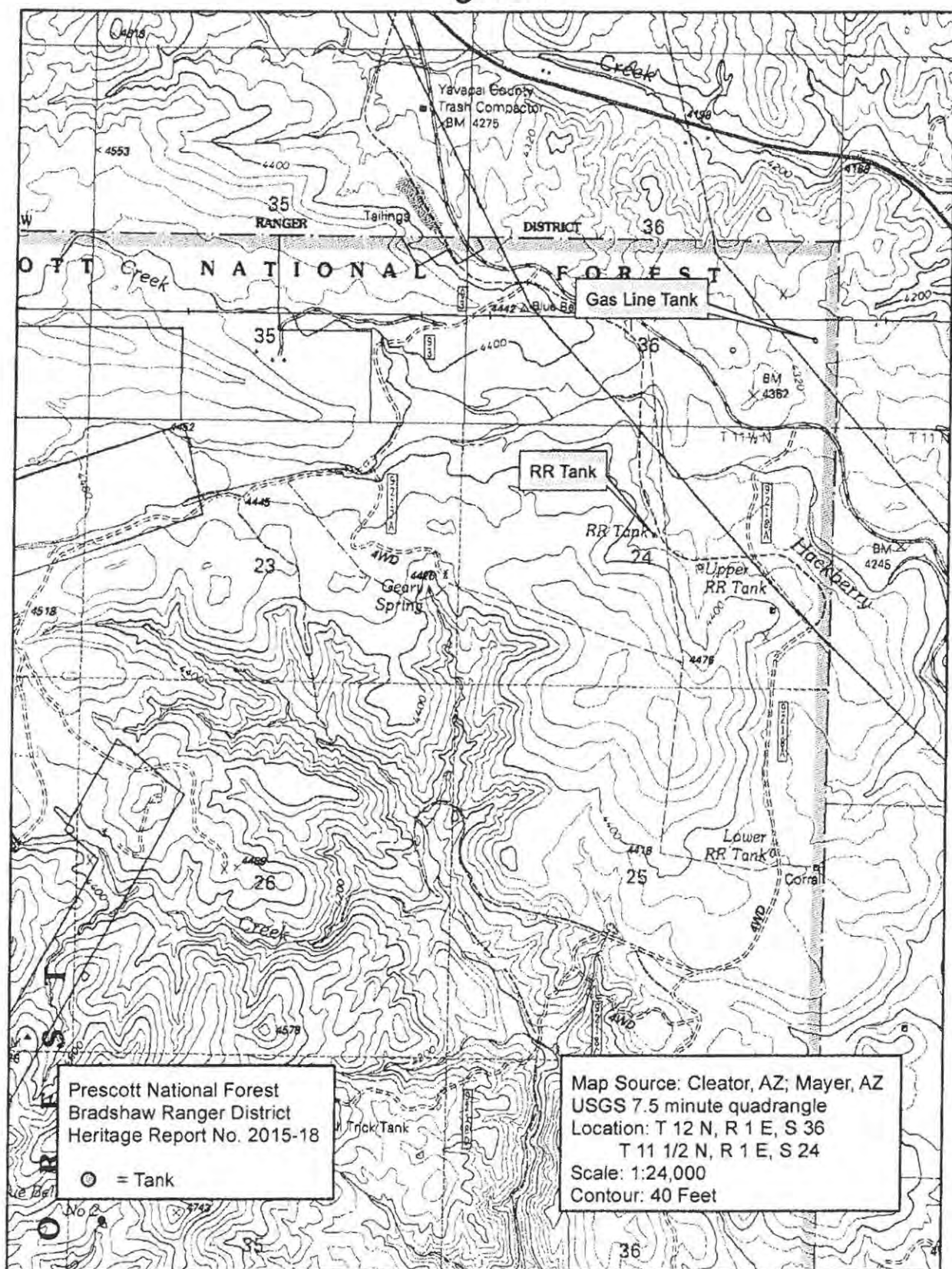
SHPO: **Date:**

H. Clearance Approved: ☒ Yes ☐ No

Forest Supervisor: *[Signature]* **Date:** 5/18/2015

8. Ranger District:	03	9. Project Function:	22	10. Primary Activity Type:	I
11. Secondary Activity Type:					
13. Total Project Acres:	38 - 57	14. Acres Completely Surveyed:	0	15. Sample %:	
16. Acres Resurveyed:		17. Total Sites in Project Area:	0	18. New Sites:	0
19. Sites Evaluated Eligible:	0	20. Sites Evaluated Not Eligible:	0		
(By Professional CRM Specialist, Request SHPO Concurrence)					
21. Sites Inspected, Monitored, Enhanced, Etc.:		(Projects other than survey, evaluation)			
22. Recommended Determination:		6	(initial:)	(By FS Professional CRM Specialist)	
(1. No Effect 2. No Adverse Effect 3. Adverse Effect 4. N/A - Not An Undertaking 5. Beneficial 6. N/A - No Properties)					
23. Project Location (Surveys only):					
Township	12 N	Range	1 E	Section	36
Township	11 1/2 N	Range	1 E	Section	24,28,32,36
Township	10 N	Range	1 E	Section	1,3-5,9-12,16
Township		Range		Section	
24. Institution Conducting Project / Survey:					
Name of Institution:			USFS Heritage Resource Specialist	FA	
25. Average Number of Individuals Used:					
26. Average Individual Transect Spacing (ft.):					
27. Field Hours:	0	28. Lab/Lib Hours:	0	29. Travel Hours:	0
30. Admin. Hrs:		RD:	0	SO:	8
31. Mileage:	0	32. PD Rate:	N		
33. Days of Per Diem:	0				
34. Cost Weight Factor:	9	35. Cost (Code):	A	36. or Actual Cost:	
37. Remarks / Continuation from page 1:					
<p>Abstract/Summary – Cont. #6: needed, will be conducted by hand with the use of power tools and/or hand tools. A review of the heritage atlas did not identify any known sites at the tank areas. Heritage resource clearance can be recommended as stated in the Conditions of Clearance (7A).</p> <p>The 19 earthen stock tanks are as follows: Fence, Small, Crooked Leg, Black Rock, Wolf Creek, S.A., Skinner, Lower Skinner, Stump, Powerline, Hook, White, Mesa, Middle Mesa, Upper Mesa, RR, Gas Line, Battle Flat (west), and Section 16.</p> <p>Consultation/Clearance – Cont. #7A: The First Amended Programmatic Agreement Regarding Historic Property Protection and Responsibilities among the AZ State Historic Preservation Office (SHPO) and the USDA- FS R3 has agreed that stock tank and fence maintenance that does not involve additional ground disturbances has a very low likelihood of affecting historic properties (Appendix A – II, Exemption E). These activities are exempted from further review and consultation between the AZ SHPO and the USDA –FS R3. This IS&A serves as documentation that this project has been reviewed by a PNF Heritage Specialist.</p>					

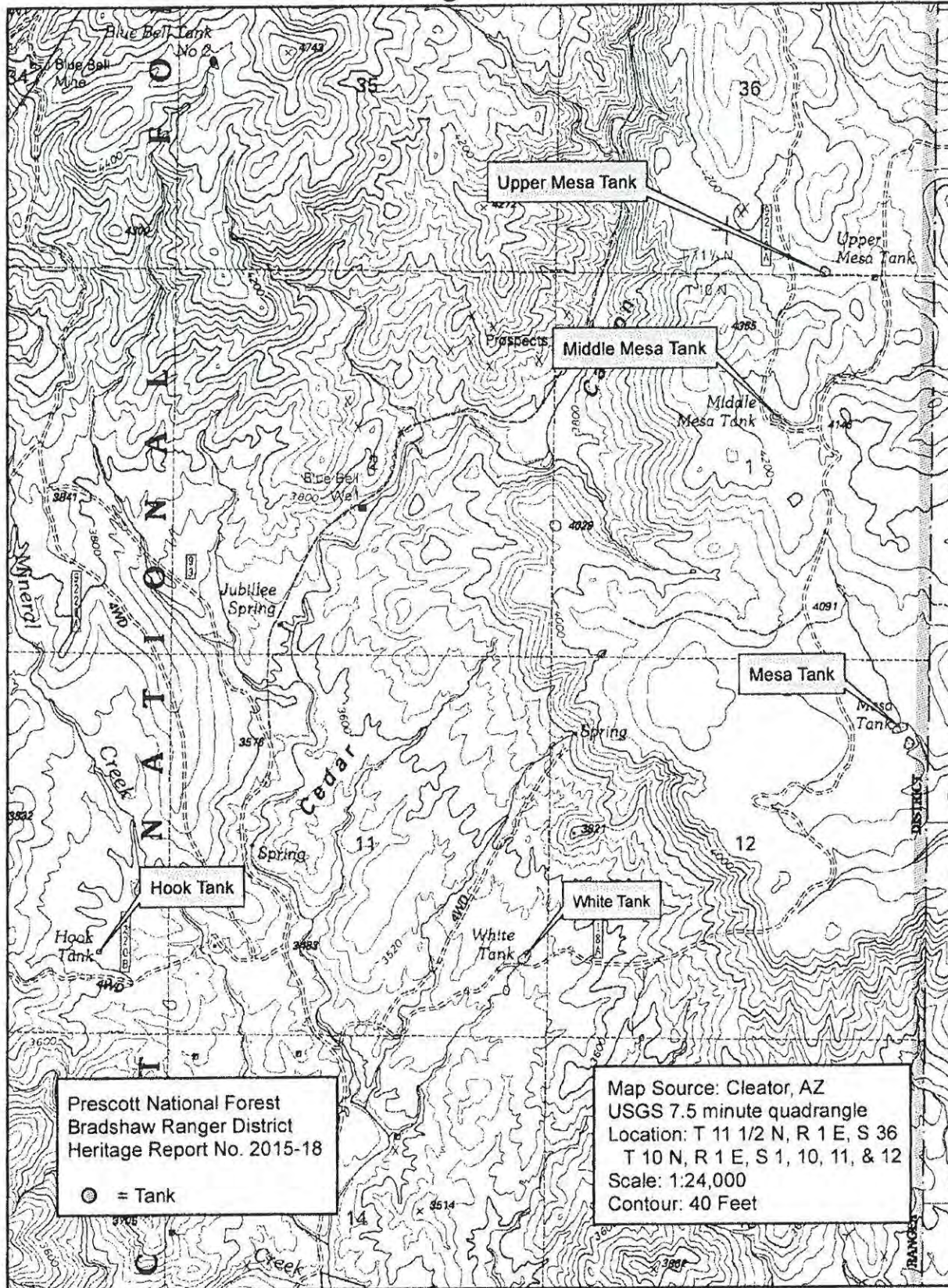
Bluebell/Wolf Creek Allot. - Stock Tank Maintenance Figure 1



0 0.1 0.2 0.4 0.6 0.8 Miles

Bluebell/Wolf Creek Allot. - Stock Tank Maintenance

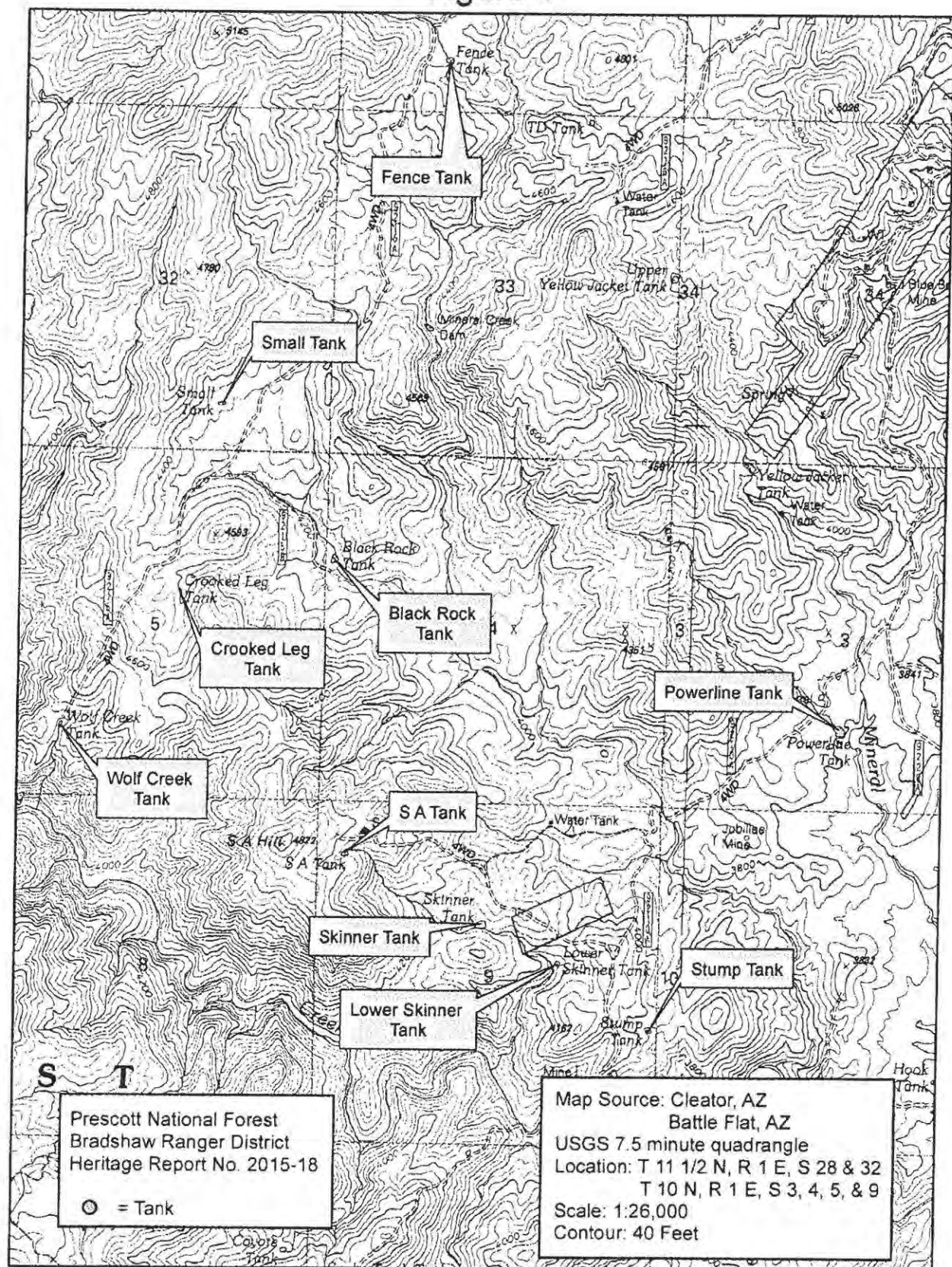
Figure 2



0 0.1 0.2 0.4 0.6 0.8 Miles

Bluebell/Wolf Creek Allot. - Stock Tank Maintenance

Figure 3



0 0.1 0.2 0.4 0.6 0.8 Miles

Bluebell/Wolf Creek Allot. - Stock Tank Maintenance

Figure 4

