

**Installation of Bat Gates at Lake Mead NRA  
Project Number I98003**

**Final Report  
July 24, 2000**

**Author and Project Contact:**

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## **DISCLAIMER**

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**Project Background:** In April of 1999, Lake Mead National Recreation Area (NRA) received funds in the amount of \$3,939.30 from the Arizona Game and Fish Department's Heritage Grant Program. This money represents 90% of a total grant award of \$4,377, with the remaining 10% due upon completion of the project. The project for which the award was made, Installation of Bat Gates at Lake Mead NRA (Project No. I98003), has been underway since the summer of last year. The project involved the installation of bat gates on two abandoned mine tunnels to protect California leaf-nosed bats (*Macrotus californicus*) living inside them. In addition to the gate installation, several interpretive programs were designed to educate park visitors about the value of bats, the importance of mines as habitat, and the need for gating mine entrances.

**Project Deliverables:** As outlined in the original grant proposal, the deliverables associated with this project are as follows:

- Installation of steel bat gates on each of two abandoned mine tunnels in Lake Mead NRA.
- Initiation of bat education programs in public schools.
- Creation of an educational poster exhibit to be used at park contact stations.
- Public lecture on the biology and natural history of bats.
- Articles on bat biology and bat gate installation in the park newspaper.

**Project Status:**

- Construction and installation of one bat gate was completed in April of 1999. Installation of the second gate was completed in March of 2000.
- Bat education programs in public schools began last year. Bat education has been incorporated into the park's environmental education curriculum and will continue well beyond the length of this project.
- Creation of the educational poster exhibit was completed in July of 2000.
- Public lecture on the natural history of bats was given in Las Vegas on February 9, 2000.
- Articles have been written for the park newspaper, which was distributed in June of this year.

The total cost of the project is \$9,233. Lake Mead contributed \$4,856 to the project, and the Heritage Program contributed \$4,377.

Lake Mead's contribution includes \$3,440 for tools and equipment and \$1,416 for personnel costs for an Interpreter. All money for tools and equipment has been spent. Funds for the Interpreter have been spent.

Of the \$4,377 contributed by the Heritage Program, \$1,679 was requested for gate materials, \$1,132 was requested for labor for installation, \$1,000 was requested for development of an educational exhibit, and \$566 was requested for lecture preparation and presentation. All materials needed for the two gates have been purchased, and both gates have been installed. All funds associated with gate materials have been spent, as have the funds for labor. Funds allocated for the development of a public lecture have been spent. Funds for the educational exhibit have been spent.

**Project Completion:** All aspects of this project—construction of bat gates, initiation of bat education programs, development of an interpretive poster display, presentation of a public lecture, and publication of the park newspaper with a feature article on bat conservation—have been completed as of July 24, 2000.

July 24, 2000

Richard Maze  
Heritage Grants and Donation Funds Supervisor  
Game Branch  
Arizona Game and Fish Department  
2221 West Greenway Road  
Phoenix, AZ 85023-4399

Dear Mr. Maze:

By this letter I am formally requesting release of the remaining 10 percent of the awarded funds for Heritage Grants-in-Aid Project titled Installation of Bat Gates in Lake Mead NRA (Project Number: I98003). Ten percent of the total award of \$4,377.00 is \$437.70.

Please send a check, payable to the National Park Service, to the attention of Ms. Shirley Feiler.

If additional materials and/or explanations are needed, do not hesitate to contact me at your convenience (Phone: 702-293-8978; FAX: 702-293-8057; Email: Michael\_J\_Boyles@nps.gov). Thank you for your assistance with this matter.

Sincerely,



Michael J. Boyles  
Wildlife Biologist

**Arizona Game and Fish Heritage Fund  
Project Quarterly and Final Financial Report  
Award Fiscal Year 1998**

A. Project Name Installation of Bat Gates in Lake Mead NRA Project No: 198003

Participant's Name USDI, Lake Mead National Recreation Area, Resource Management Division Project Award: \$4,377.00

Project Period From 9/28/1998 to 9/28/2000 Quarterly Report:  Final Report: 7/28/00

B. Project Scope Items	Budget (1)	Approved Change (2)	Amended Budget (3)	Funds Received To Date (4)	Total Project Expenditures (5)	Balance (6)
<b>Grant Funds Awarded:</b>						
Pre-Agreement	\$0.00	\$0.00	\$0.00			
Development	\$2,679.00	\$0.00	\$2,679.00	\$2,411.10	\$2,679.00	-\$267.90
Acquisition	\$0.00	\$0.00	\$0.00			
Personnel	\$1,698.00	\$0.00	\$1,698.00	\$1,528.20	\$1,698.00	-\$169.80
Other	\$0.00	\$0.00	\$0.00			
Match (m)	\$4,856.00	\$0.00	\$4,856.00	\$4,856.00	\$4,856.00	0
Donation (d)	\$0.00	\$0.00	\$0.00			
Grant-in-Aid Payment to Date:	\$4,377.00		\$4,377.00	\$3,939.30	\$4,377.00	-\$437.70
Grant Interest and Income:						
Grant-in-Aid Total:	\$4,377.00	\$ 0.00	\$4,377.00	\$3,939.30	\$4,377.00	-\$437.70
Other Matching Moneys:	\$4,856.00		\$4,856.00		\$4,856.00	
Other Matching Interest and Income:		\$ 0.00		\$ 0.00		
Project Total:	\$9,233.00	\$ 0.00	\$9,233.00		\$9,233.00	

**Grant Am't Due (Refund): \$ 437.70**

The reported information represents the project budget and actual expenditures for this approved Grant-in-Aid Project.

Signature: Michael G Boyles Title: Biologist Date: 7-31-00

