

U.S. Fish and Wildlife Service
Determination for Issuing a Single Source Financial Assistance Award

Instructions: In accordance with Service policy 516 FW 6, *Issuing Discretionary Grant and Cooperative Agreement Awards without Competition*, complete this form to document the justification for issuing a single source grant or cooperative agreement award. This form must be signed by both a program representative and the employee with signature authority for the award to be issued (see 516 FW 3, *Signature Authority for Grant and Cooperative Agreement Awards*). The completed and signed form must be maintained in the official award file.

Recipient Name: Zoological Society of San Diego
Project Title: Range-wide Genetics of the San Bernardino Kangaroo Rat
Program Contact: Kai Palenscar

Select all criteria that apply (from 505 DM 2):

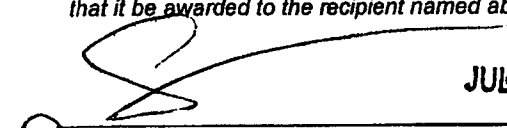
✓	(1) Unsolicited Proposal: The proposed award is the result of an unsolicited application that represents a unique or innovative idea, method, or approach that is not the subject of a current or planned award, but is found to be advantageous to program objectives.
	(2) Continuation: The activity to be funded is necessary for the satisfactory completion of, or is a continuation of, an activity we are funding and holding a competition would have a significant adverse effect on continuing or completing the activity.
	(3) Legislative Intent: The language in the applicable authorizing legislation or legislative history clearly indicates the intent of Congress to restrict the award to a particular recipient or purpose.
	(4) Unique Qualifications: The applicant is uniquely qualified to perform the activity based on a variety of demonstrable factors such as location; property ownership; voluntary support capacity; cost-sharing ability, if applicable; technical expertise; or other such unique qualifications.
	(5) Emergencies: Because of a compelling and unusual urgency, or substantial danger to health or safety, there is not enough time to follow adequate competitive procedures.

Explain below why competition for this award is not practical. As applicable, summarize the program legislative history, unique capabilities of the proposed recipient, and any cost-sharing contribution offered by the proposed recipient. Be brief and specific:

The objective of this project is to sample and genotype ~20 San Bernardino kangaroo rats (SBKR) from 2-3 sites within each of the three extant main populations, as well as museum specimens, and use two outgroups to create an analysis of population structure. Dr. Debra Shier of the San Diego Zoo has conducted extensive field surveys and monitoring of the SBKR throughout its range. She is a leading expert familiar with this species and has worked to develop sound methodology to restore habitat and monitor for this endangered species. Dr. Shier has previously developed a regional genetic profile for the Stephen's kangaroo rat to assess populations dynamics. Dr. Shier is a Brown Endowed Associate Director in Applied Animal Ecology at the San Diego Zoo Institute for Conservation Research, as well as an Adjunct Professor within Ecology and Evolutionary Biology at UCLA. She has published her research in leading scientific journals. Dr. Shier has the most expertise with this species, has the resources to conduct the work, and has the skills and abilities to perform at a level consistent with previous experimental work conducted on this species. This project is contingent upon the availability of funds.

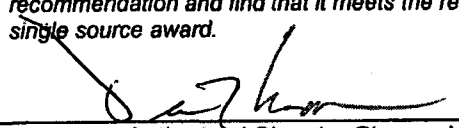
I have determined that this project meets the requirements for a single source award and recommend that it be awarded to the recipient named above.

JUL 23 2014



Program Representative Sign and Date
G. Mendel Stewart, Field Supervisor
Printed Name of Program Representative

I, as the Service employee with signature authority for this award under 516 FW 3, have reviewed this program recommendation and find that it meets the requirements for a single source award.



Authorized Signator Sign and Date
Darrin Thorne, Deputy ARD, ES, Region 8
Printed Name of Signator