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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: West Virginia University

Project Title: Parentage Analysis for Stocked and Wild Caught Lake Sturgeon in Lake Superior

Program Contact: Dr. Amy Welsh

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 scientists of the genomics lab at West Virginia University have been the lead for Lake Superior lake sturgeon population genetic analysis for over a decade. Samples provided to the West Virginia University lab by fishery agencies throughout the Lake Superior basin have been analyzed from all known lake sturgeon populations. Genetic Guidelines for Stocking Lake Sturgeon in the Great Lakes Basin provides recommendations for effective population size analysis, and geneticists at West Virginia University are the lead source of such information for Lake Superior fishery agencies. The genomics lab at West Virginia University already has all baseline genetic data for Great Lakes lake sturgeon and staff have analyzed cohort genetic diversity in other Lake Superior populations making the proposed analysis more economical and efficient.

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.

MARK BROUDER Digitally signed by MARK BROUDER Date: 2019.05.21 10:12:55 -05'00'

Program Representative Sign and Date

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.

Digitally signed by DANIEL LOVDAHL Date: 2019.05.22 12:12:32 -05'00'

Authorized Signator Sign and Date

Daniel D. Lovdahl

Printed Name of Signator