



DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES  
**DIVISION OF PROCUREMENT SERVICES**  
 STATE OF MAINE

## PROCUREMENT JUSTIFICATION FORM (PJF)

This form must accompany all contract requests and sole source requisitions (RQS) over \$5,000 submitted to the Division of Procurement Services.

*INSTRUCTIONS: Please provide the requested information in the white spaces below. All responses (except signatures) must be typed; no hand-written forms will be accepted. See the guidance document posted with this form on the Division of Procurement Services intranet site (Forms page) for additional instructions.*

PART I: OVERVIEW			
Department Office/Division/Program:		Department of Agriculture, Conservation and Forestry/Maine Geological Survey	
Department Contract Administrator or Grant Coordinator:		Stephen Dickson	
(If applicable) Department Reference #:			
Amount: (Contract/Amendment/Grant)	\$ \$31,222.00	Advantage CT / RQS #:	CT01A20230111000000001866
CONTRACT	Proposed Start Date:	2/1/2023	Proposed End Date: 5/31/2024
AMENDMENT	Original Start Date:		Effective Date:
	Previous End Date:		New End Date:
GRANT	Project Start Date:		Grant Start Date:
	Project End Date:		Grant End Date:
Vendor/Provider/Grantee Name, City, State:		Office of Research Administration, University of Maine, Orono, ME	
Brief Description of Goods/Services/Grant:		Geologic Mapping for the Earth MRI FY22 project	

PART II: JUSTIFICATION FOR VENDOR SELECTION			
Check the box below for the justification(s) that applies to this request. (Check all that apply.)			
<input type="checkbox"/>	A. Competitive Process	<input type="checkbox"/>	G. Grant
<input type="checkbox"/>	B. Amendment	<input type="checkbox"/>	H. State Statute/Agency Directed
<input checked="" type="checkbox"/>	C. Single Source/Unique Vendor	<input type="checkbox"/>	I. Federal Agency Directed
<input type="checkbox"/>	D. Proprietary/Copyright/Patents	<input type="checkbox"/>	J. Willing and Qualified
<input type="checkbox"/>	E. Emergency	<input type="checkbox"/>	K. Client Choice
<input type="checkbox"/>	F. University Cooperative Project	<input type="checkbox"/>	L. Other Authorization

Please respond to ALL of the questions in the following sections.

### PART III: SUPPLEMENTAL INFORMATION

1. Provide a more detailed description and explain the need for the goods, services or grant to supplement the response in Part I.

[Click or tap here to enter text.](#) A contract geologist is needed for the Maine Geological Survey (MGS) to fulfill its obligation under the U.S. Geological Survey's Earth MRI program to provide bedrock geologic maps and Fe-Mn deposit characterization by September 2025. This contract covers the final effort to compile data from bedrock geologic mapping and detailed interpretation of sample analyses in the **Number Nine Lake** quadrangle, northern Maine. While the MGS has the staff and facilities to compile geologic information, it does not have a sufficient in-house workforce to complete the necessary field mapping and analysis for this project in the time required, nor does MGS have the laboratory facilities to analyze samples.

Geologic mapping is a statutory responsibility of the Maine Geological Survey (Title 12, Chap. 201-A). Bedrock mapping is essential to the mission of the MGS to provide quality natural resources information for the people of Maine. In our competitive proposal to the USGS's Earth MRI program, we indicated that contract geologists would work on this project and this action was a large factor in determining the award of federal funds.

2. Provide a brief justification for the selected vendor to supplement the response in Part II. Reference the RFP number, if applicable.

This contract is funded entirely by money provided to the Maine Geological Survey by the Earth Mapping Resources Initiative (Earth MRI) Program, administered by the U.S. Geological Survey, to support a technical project. This is a competitive program to which each state may submit as invited by the USGS. Maine's proposals have been among the most competitive partly because we are able to identify highly qualified geologists directly in the proposal.

The work requires a contract geologist to conduct detailed field mapping and laboratory analyses to characterize the Fe-Mn deposits in the Number Nine Lake quadrangle. Lauren Madsen has been selected from a pool of well-qualified applicants and accepted as a graduate student at the University of Maine to work with Dr. Cici Cruz-Urbe as a main advisor on this project. Other faculty and MGS staff are also on the graduate committee, including Dr. Chunzeng Wang, who is also contracted on this project.

3. Explain how the negotiated costs or rates are fair and reasonable; or how the funding was allocated to grantee.

The rate of pay for a graduate student on this project is set at \$1888.88/month and was written into the grant proposal as such.

4. Describe the plan for future competition for the goods or services.

The Maine Geological Survey commits to working with the University of Maine and other institutions to train young researchers to investigate and compile geologic maps. This type of contract represents exactly that plan! Madsen will work directly with Dr. Wang and benefit from his many years of experience on these types of projects with MGS.

**PART IV: AMERICAN RESCUE PLAN ACT (ARPA) / MAINE JOBS & RECOVERY PLAN (MJRP)**

Does this request utilize ARPA/MJRP funds?

 Yes – If Yes, please attach the approved Business Case(s). No – If No, proceed to Part V.**PART V: APPROVALS**

The signatures below indicate approval of this procurement request.

Signature of requesting Department's Commissioner (or designee):	DocuSigned by: <i>Randy Chavette</i> 8F3DD450C23241E...		
Typed Name:	Amanda E. Beal, Commissioner	Date:	2/13/2023
Signature of DAFS Procurement Official:	DocuSigned by: <i>Martha Verhille</i> 891CE7A1493D45B...		
Typed Name:	Martha verhille	Date:	2/14/2023