

United States Geological Survey

The Educational Component of the National Cooperative Geologic Mapping Program

<https://my.usgs.gov/ncgmp/>



Notice of Funding Opportunity - Fiscal Year 2022
Funding Opportunity Number (FON) G22AS00060

Closing Date: 01/07/2022

Table of Contents

A. Program Description	2
A1. Authority	2
A2. Background, Purpose and Program Requirements.....	2
B. Federal Award Information.....	3
B1. Total Funding	3
B2. Award Amount	3
B3. Anticipated Award Funding and Dates	3
B4. Number of Awards	3
B5. Type of Award.....	4
C. Eligibility Information	4
C1. Eligible Applicants	4
C2. Cost Sharing or Matching.....	4
C3. Other	4
D. Application and Submission Information	4
D1. Address to Request Application Package	8
D2. Content and Form of Application Submission.....	8
D3. Unique Entity Identifier and System for Award Management (SAM)	17
D4. Submission Dates and Times	18
D5. Intergovernmental Review	18
D6. Funding Restrictions	19
D7. Other Submission Requirements.....	21
E. Application Review Information.....	21
E1. Criteria	21
E2. Review and Selection Process	22
E3. CFR – Regulatory Information.....	22
E4. Anticipated Announcement and Federal Award Dates	23
F. Federal Award Administration Information	23
F1. Federal Award Notices	23
F2. Administrative and National Policy Requirements	23
F3. Reporting	23
G. Federal Awarding Agency Contact(s)	25
G1. Program Technical Contact.....	25
G2. Program Administration Contact	25

G3. Application System Technical Support.....	26
H. Other Information	26

A. Program Description

A1. Authority

The 102nd Congress recognized that the USGS and the State Geological Surveys needed a coordinated program to prioritize the geologic mapping requirements of the Nation, and to increase production of these geologic maps. The National Geologic Mapping Act (Public Law 102-285) was signed into law in 1992 and created the National Cooperative Geologic Mapping Program (NCGMP). The Act has been re-authorized four times since then, most recently by the 116th Congress in 2019 (S. 47: John D. Dingell, Jr. Conservation, Management, and Recreation Act, sec. 5002). The Act recognizes that geologic maps are the primary database for virtually all applied and basic earth-science investigations.

The objectives of the NCGMP as outlined in the Act are to:

1. Determine the Nation's geologic framework through the systematic development of geologic maps; such maps will contribute to the National Geologic Map Database.
2. Develop complementary national databases (e.g., geophysical and palaeontologic databases) that provide value-added information to the National Geologic Map Database.
3. Apply cost-effective mapping techniques that assemble and disseminate geologic-map information, and that render such information of greater application and benefit to the public.
4. Develop public awareness of the role and application of geologic-map information to the resolution of national issues of land use management.

Catalog of Federal Domestic Assistance (CFDA) Number

15.810

A2. Background, Purpose and Program Requirements

INTRODUCTION

The EDMAP Program continues to carry out NCGMP's mission and address the Department of Interior's Secretarial priorities by developing a national geologic framework through student training in skills needed for geologic mapping. Geologic mapping training supported by EDMAP provides the foundational capacity to capture the geologic framework information necessary to manage the Nation's land and water resources, adapt to changes in the environment, and secure the Nation. In addition, EDMAP support helps to maintain strong academic geologic mapping programs which in turn produce a healthier workforce at geological surveys throughout the Nation.

PROGRAM OBJECTIVES

The primary objective of the EDMAP component of the NCGMP is to train the next generation of geologic mappers. To do this, the NCGMP provides funds for undergraduate and graduate students in research projects that involve all activities relevant to the creation of geologic maps (**defined broadly as all maps that characterize the solid Earth and/or its constituents**) as a major component. Through cooperative agreements, the NCGMP hopes to expand the research and educational capacity of academic programs that teach earth science students the broad range of techniques relevant to geologic mapping and the analysis of field, geophysical, borehole and remote sensing data. Another important goal is to increase the level of communication between the Nation's geological surveys (both the USGS and State Geological Surveys) and those contributing to the geologic framework in the academic community. We hope that this improved communication will have two results: 1) the academic mapping community will more closely collaborate with geologic mapping projects at the USGS and State Geologic Surveys, and 2) more geologic maps produced in academic programs will eventually be made available to the public. As of 2021, EDMAP has funded over 1,370 students from over 170 universities.

B. Federal Award Information

B1. Total Funding

Estimated Total Funding

\$1,038,857

B2. Award Amount

Maximum Award

\$70,000

Minimum Award

\$0

B3. Anticipated Award Funding and Dates

Anticipated Award Date

June 03, 2022

B4. Number of Awards

Expected Number of Awards

45

B5. Type of Award

Funding Instrument Type

CA - Cooperative Agreement

C. Eligibility Information

C1. Eligible Applicants

Eligible Applicants

20 – Private institutions of higher education

06 – Public and State controlled institutions of higher education

Additional Information on Eligibility

EDMAP is restricted to U.S. Universities with geoscience or related departments or programs (for more information on whether your institution is eligible to submit an EDMAP proposal, contact the EDMAP Program Officer). University professors (**including adjunct professors**) must write and submit the proposals; the supported student(s) must not write the proposal. EDMAP Cooperative Agreements are intended to fund upper level (junior and senior) undergraduate and graduate (Masters and Doctoral) students. Undergraduate students must have received appropriate geoscience or related training prior to the time they are to begin the proposed project. While it is proper for the Principal Investigator to ask for some logistical financial support so that they may mentor their student(s) in the field for a credible amount of time, the bulk of the award is intended to support the student's proposed efforts. EDMAP cooperative agreements do not support faculty/Principal Investigator salaries, nor do they support student tuition.

C2. Cost Sharing or Matching

Cost Sharing / Matching Requirement

Yes

This program has a match requirement.

A 1:1 Federal/State funding match is required for the total budget.

C3. Other

Excluded Parties: USGS conducts a review of the SAM.gov Exclusions database for all applicant entities and their key project personnel prior to award. USGS cannot award funds to entities or their key project personnel identified in the SAM.gov Exclusions database as ineligible, prohibited/restricted or otherwise excluded from receiving Federal contracts, certain subcontracts, and certain Federal assistance and benefits, as their ineligibility condition applies to this Federal program.

D. Application and Submission Information

Grants.gov Application Submission and Receipt Procedures

Grants.gov Application Submission and Receipt Procedures

This section provides the application submission and receipt instructions for U.S. Geological Survey (USGS) program applications. Please read the following instructions carefully and completely.

1. Electronic Delivery

USGS is participating in the Grants.gov initiative to provide the grant community with a single site to find and apply for grant funding opportunities. USGS encourages applicants to submit their applications online through Grants.gov.

2. How to Register to Apply through Grants.gov

a. *Instructions:* Read the instructions below about registering to apply for USGS funds. Applicants should read the registration instructions carefully and prepare the information requested before beginning the registration process. Reviewing and assembling the required information before beginning the registration process will alleviate last-minute searches for required information.

Organizations must have a Data Universal Numbering System (DUNS) Number, active System for Award Management (SAM) registration, and Grants.gov account to apply for grants. If individual applicants are eligible to apply for this funding opportunity, then you may begin with step 3, Create a Grants.gov Account, listed below.

Creating a Grants.gov account can be completed online in minutes, but DUNS and SAM registrations may take several weeks. Therefore, an organization's registration should be done in sufficient time to ensure it does not impact the entity's ability to meet required application submission deadlines.

Complete organization instructions can be found on Grants.gov here:

<https://www.grants.gov/web/grants/applicants/organization-registration.html>

1) *Obtain a DUNS Number:* All entities applying for funding, including renewal funding, must have a DUNS Number from Dun & Bradstreet (D&B). Applicants must enter the DUNS Number in the data entry field labeled "Organizational DUNS" on the SF-424 form. For more detailed instructions for obtaining a DUNS Number, refer to:

<https://www.grants.gov/web/grants/applicants/organization-registration/step-1-obtain-duns-number.html>

2) *Register with SAM:* All organizations applying online through Grants.gov must register with the System for Award Management (SAM). Failure to register with SAM will prevent your organization from applying through Grants.gov. SAM registration must be renewed annually. For more detailed instructions for registering with SAM, refer to:

<https://www.grants.gov/web/grants/applicants/organization-registration/step-2-register-with-sam.html>

3) *Create a Grants.gov Account:* The next step is to register an account with Grants.gov. Follow the on-screen instructions or refer to the detailed instructions here:

<https://www.grants.gov/web/grants/applicants/registration.html>

4) *Add a Profile to a Grants.gov Account*: A profile in Grants.gov corresponds to a single applicant organization the user represents (i.e., an applicant) or an individual applicant. If you work for or consult with multiple organizations and have a profile for each, you may log in to one Grants.gov account to access all of your grant applications. To add an organizational profile to your Grants.gov account, enter the DUNS Number for the organization in the UEI (Unique Entity Identifier) field while adding a profile. For more detailed instructions about creating a profile on Grants.gov, refer to: <https://www.grants.gov/web/grants/applicants/registration/add-profile.html>

5) *EBiz POC Authorized Profile Roles*: After you register with Grants.gov and create an Organization Applicant Profile, the organization applicant's request for Grants.gov roles and access is sent to the EBiz POC. The EBiz POC will then log in to Grants.gov and authorize the appropriate roles, which may include the AOR role, thereby giving you permission to complete and submit applications on behalf of the organization. You will be able to submit your application online any time after you have been assigned the AOR role. For more detailed instructions about creating a profile on Grants.gov, refer to: <https://www.grants.gov/web/grants/applicants/registration/authorize-roles.html>

6) *Track Role Status*: To track your role request, refer to: <https://www.grants.gov/web/grants/applicants/registration/track-role-status.html>

b. *Electronic Signature*: When applications are submitted through Grants.gov, the name of the organization applicant with the AOR role that submitted the application is inserted into the signature line of the application, serving as the electronic signature. The EBiz POC **must** authorize people who are able to make legally binding commitments on behalf of the organization as a user with the AOR role; **this step is often missed and it is crucial for valid and timely submissions.**

3. How to Submit an Application to USGS via Grants.gov

Grants.gov applicants can apply online using Workspace. Workspace is a shared, online environment where members of a grant team may simultaneously access and edit different webforms within an application. For each funding opportunity announcement (FOA), you can create individual instances of a workspace.

Below is an overview of applying on Grants.gov. For access to complete instructions on how to apply for opportunities, refer to:

<https://www.grants.gov/web/grants/applicants/workspace-overview.html>

1) *Create a Workspace*: Creating a workspace allows you to complete it online and route it through your organization for review before submitting.

2) *Complete a Workspace*: Add participants to the workspace to work on the application together, complete all the required forms online or by downloading PDF versions, and check for errors before submission. The Workspace progress bar will display the state of your application process as you apply. As you apply using Workspace, you may click the blue question mark icon near the upper-right corner of each page to access context-sensitive help.

a. *Adobe Reader*: If you decide not to apply by filling out webforms you can download individual PDF forms in Workspace. The individual PDF forms can be downloaded and

saved to your local device storage, network drive(s), or external drives, then accessed through Adobe Reader.

NOTE: Visit the Adobe Software Compatibility page on Grants.gov to download the appropriate version of the software

at: <https://www.grants.gov/web/grants/applicants/adobe-software-compatibility.html>

b. *Mandatory Fields in Forms*: In the forms, you will note fields marked with an asterisk and a different background color. These fields are mandatory fields that must be completed to successfully submit your application.

c. *Complete SF-424 Fields First*: The forms are designed to fill in common required fields across other forms, such as the applicant name, address, and DUNS Number. Once it is completed, the information will transfer to the other forms.

3) *Submit a Workspace*: An application may be submitted through workspace by clicking the Sign and Submit button on the Manage Workspace page, under the Forms tab. Grants.gov recommends submitting your application package at least 24-48 hours prior to the close date to provide you with time to correct any potential technical issues that may disrupt the application submission.

4) *Track a Workspace Submission*: After successfully submitting a workspace application, a Grants.gov Tracking Number (GRANTXXXXXXXX) is automatically assigned to the application. The number will be listed on the Confirmation page that is generated after submission. Using the tracking number, access the Track My Application page under the Applicants tab or the Details tab in the submitted workspace.

For additional training resources, including video tutorials, refer to: <https://www.grants.gov/web/grants/applicants/applicant-training.html>

Applicant Support: Grants.gov provides applicants 24/7 support via the toll-free number 1-800-518-4726 and email at support@grants.gov. For questions related to the specific grant opportunity, contact the number listed in the application package of the grant you are applying for.

If you are experiencing difficulties with your submission, it is best to call the Grants.gov Support Center and get a ticket number. The Support Center ticket number will assist the USGS with tracking your issue and understanding background information on the issue.

4. Timely Receipt Requirements and Proof of Timely Submission

a. *Online Submission*. All applications must be received by the due date established for each program. Proof of timely submission is automatically recorded by Grants.gov. An electronic date/time stamp is generated within the system when the application is successfully received by Grants.gov. The applicant with the AOR role who submitted the application will receive an acknowledgement of receipt and a tracking number (GRANTXXXXXXXX) from Grants.gov with the successful transmission of their application. This applicant with the AOR role will also receive the official date/time stamp and Grants.gov Tracking number in an email serving as proof of their timely submission.

When USGS successfully retrieves the application from Grants.gov, and acknowledges the download of submissions, Grants.gov will provide an electronic acknowledgment of receipt of

the application to the email address of the applicant with the AOR role who submitted the application. Again, proof of timely submission shall be the official date and time that Grants.gov receives your application. Applications received by Grants.gov after the established due date for the program will be considered late and will not be considered for funding by USGS.

Applicants using slow internet, such as dial-up connections, should be aware that transmission can take some time before Grants.gov receives your application. Again, Grants.gov will provide either an error or a successfully received transmission in the form of an email sent to the applicant with the AOR role attempting to submit the application. The Grants.gov Support Center reports that some applicants end the transmission because they think that nothing is occurring during the transmission process. Please be patient and give the system time to process the application.

D1. Address to Request Application Package

Program Website Link

<https://my.usgs.gov/ncgmp/>

D2. Content and Form of Application Submission

1. SF-424, Application for Federal Assistance

Applicants must submit the appropriate Standard Form (SF)-424, Application for Federal Assistance. The required application forms are available with this announcement on Grants.gov. The SF-424, Application for Federal Assistance must be complete, signed, and dated. Do not include any proprietary or personally identifiable information. Please note: Enter only the amount requested from this Federal program in the “Federal” funding box on the SF-424 Application form. Include any other Federal sources of funding in the “Other” box and provide details on those Federal source(s) and funding amount(s) in the required Budget Narrative (see the “Budget Narrative” section below).

The electronic submission shall consist of forms SF-424, SF-424A, and SF-424B, and a Project Narrative Attachment Form.

Any applicant organization that has not completed the financial assistance certifications and representations within their SAM.gov registration must submit the appropriate signed and dated Assurances form. All of the required application forms are available with this announcement on Grants.gov.

Project Narrative

PROPOSALS MUST BE ARRANGED ACCORDING TO THE FORMAT AND ORDER PROVIDED BELOW.

Proposals must be arranged according to the format and order provided below. Following this format ensures that every proposal contains all essential information and is evaluated equitably. All documents (except the SF 424 forms) must be combined and submitted as one Portable Document Format (PDF) file.

All proposals must include the following documents:

1. Standard Form 424, Application for Federal Assistance (mandatory form provided in

grants.gov). The person who electronically submits the SF-424 must have the authority to bind the University/Institution to the terms of the assistance award.

2. Standard Form 424A, Budget Information – Non-Construction Programs (mandatory form provided in grants.gov).

3. Standard Form 424B, Assurances - Non-Construction Programs (mandatory form provided in grants.gov)

4. Negotiated Rate Agreement. Most States and Universities have a rate agreement. They are usually titled “State and Local Rate Agreement” or “Colleges and Universities Rate Agreement.” The document provides the rates approved for use on grants, contracts and other agreements with the Federal Government. New regulations (2 CFR 200.414) went into effect in 2015 stating that a recipient must provide a federally approved negotiated rate agreement or their indirect costs cannot exceed 10%. The language states the agency will comply with the recipients approved rate, however, this is exempt for individual program regulations that have restrictions regarding indirect costs. The program authority for EDMAP has a cap of 18%. If you request fringe benefits that are not referenced in your approved rate agreement or if you do not have a rate agreement to provide, please include a reference on how your fringe benefit rate(s) are determined for your university/institution.

5. Support letter from State Geologist or USGS Project Chief. A letter of acknowledgement or support from the State Geologist (or head of the State geological survey geologic mapping program) in the state that you are proposing to conduct field mapping and/or a USGS Project Chief is mandatory. It is highly recommended that discussions occur with the State Geologist and/or the USGS Project Chief prior to the request of a letter of support. Informing them of your proposed field mapping and/or research project is of benefit to everyone. If other organizations are supporting your proposed project, letters of support are welcome. See Attachments D and E for State and USGS contacts. For questions related to coordination with USGS Project Chief and/or State Geologists, please contact the EDMAP Program Officer.

6. Mandatory EDMAP Proposal Cover Sheet. **Please be mindful of the new requirements for FY2022.**

7. Proposal Technical Section. This section of the proposal is limited to 10 single-spaced pages, no smaller than 11-point font size, and 1-inch margins. Remember that a graphic is worth a thousand words, and the Proposal Evaluation Panel has many proposals to read. The 10-page limit includes all text, figures, references, and personnel information. (The letter(s) of support, attachments, budget sheets and data management plan are not included in the 10-page limit.) The technical section of your proposal includes the following:

a. Abstract. The abstract must be no more than 350 words and include: (1) a statement of purpose, objective, or hypothesis, (2) research methods to accomplish the goal, (3) expected scientific or societal impacts of your research, (4) expected conclusions or outcomes, and (5) identify the state and quadrangle or areas that you will be mapping in or otherwise addressing through mapping-related activities. Please be clear and concise to briefly describe what you

propose to do in your project. Do not include personal information.

b. Introduction. The introduction is a brief description of the problem and background. Particular reference should be made to any earlier geologic mapping, or geologic mapping going on nearby at present time. If the PI has received prior EDMAP funding in recent years, discussion of previous projects, results and impacts of previous results, and if/how this work relates to the work being proposed should be included. Please be as specific as possible and include a bibliography of previous EDMAP products. Please state if this project is a significant part of a thesis. The introduction is a good place to discuss coordination with a State Geological Survey or USGS.

c. Location and geologic setting. A clear, readable map (with scale) showing the location (with coordinates) of your project area should accompany the text. Please keep in mind that the Proposal Evaluation Panel may not be familiar with your proposed field area's geography.

d. Purpose and Justification. This section should answer a few simple, but important questions. Why are you doing this project? What scientific questions are you addressing? What benefits will society receive from the mapping? If you have previously proposed similar research convey how the current proposal ties into it and how it is different. Please avoid boilerplate proposals from year-to-year.

e. Strategy for Performing the Project. This section should explain how your student will achieve the scientific results presented in the previous section through geologic mapping or other activities related to geologic mapping. If multiple students are involved, please be specific about the roles and individual projects and deliverables of each student. A short discussion about the digital cartography and GIS component related to the project is also beneficial. If the objectives can only be accomplished with the support of drilling, or other analytical services such as geochronology or geochemistry, or through the purchase of third-party assets (e.g., datasets) please describe these activities here. Keep in mind that most of the budget request should go toward support of the student, and that any support investigations (drilling and analytical services) or other purchased assets should be limited to less than 20 percent of the overall budget request.

f. Mentoring strategy and timetable. Provide a realistic mentoring approach and timetable for completing the mapping project. A table embedded in your proposal can be a clear and concise way of conveying this information. Explain how much time the Principal Investigator/faculty advisor will spend directly engaged with the student(s) and what his/her specific role will be. Clearly discuss how the Principal Investigator/faculty advisor will mentor the student before, during, and after the field experience. If the student has experience in geologic mapping (for example, a second year EDMAP student), then explain why you may have a more flexible mentoring schedule versus working with a junior or senior undergraduate student. If the Principal Investigator plans to be closely engaged with the student throughout the project (e.g., in the field with the student mapper for the entire duration of the mapping project), then please explain how the student will gain independent experience with the techniques being learned. If applicable, explain how the Principal Investigator will mentor any field assistants, and explain exactly what the assistant(s) role will be. Will there be any student interaction with or

mentorship from State Geological Survey staff or USGS scientists? The program considers project review by USGS and State geological survey partners an important part of EDMAP Projects and sharing your project plan with them is beneficial. NCGMP strongly encourages geologic mapping projects to utilize a buddy system approach to promote safe field practices. Please include a discussion of field safety if appropriate.

g. Deliverables. You must provide a list of all deliverables. If maps are produced, they must be submitted (with scale) and accompanying technical reports by quadrangle, portion of quadrangle, or study area (indicate bounding coordinates), that will be produced by this project. Keep in mind that the primary student mapper will be the first author of the deliverables while other students (e.g., mapping assistants) will be secondary authors or acknowledged on the deliverable. If two primary mappers are funded on a project, then two separate map deliverables and a breakdown of which map deliverable will be authored by which student are required. All EDMAP deliverables, when possible, are required to be delivered as a high quality digital Portable Document Format (PDF) files. See Part IV, Section F for more information about Project Deliverables.

h. Project Personnel. Proposed personnel must include the name of the Principal Investigator, other supervising professor(s), and student(s). Clearly list the primary student mapper(s) and those that will be assistants. A short biography of each will assist the Proposal Evaluation Panel to judge both the qualifications of the professor(s) and the ability of the student(s) to complete the geologic mapping project. Full CV/resumes are not required if sufficient biographical information is provided. The Principal Investigator should include educational information about the student's prior geologic experience (e.g., field camp, analysis projects, or other mapping projects), and any course work that would help significantly in the project. The Principal Investigator and other supervising professors should include teaching experience relevant to the proposed project.

For projects that include inter-institutional collaborations, include the expected contribution and relevant background of each PI, co-PI, and other faculty member serving in a defined role. It is important that the proposal make it clear that the combined skills and knowledge of the faculty team warrant a collaborative approach to the project. Be sure to identify which faculty member is the point of contact for the NCGMP, which must be a faculty member at the lead institution (i.e., the institution submitting the proposal and receiving payments).

NOTE: As the timing of proposal submission comes soon after the beginning of the school year, we appreciate that it is sometimes difficult to identify the student(s) who will undertake some kinds of projects, especially in the case of new graduate students. Proposals submitted that do not identify the actual students who will do the project are allowed. However, the name, contact information, and biography/qualifications of ALL students involved in the project (e.g., primary mappers and assistants) must be submitted to the USGS, before the Office of Acquisition and Grants formally issues the cooperative agreement. This should give professors several extra months to identify students to undertake the project. It is preferred that most students will be identified in the original proposals (but this is not part of the proposal review criteria). Finally, even if the name and background information of the student(s) are not included in the proposal, it must be made clear whether the student is an undergraduate, a Masters, or a Doctoral student,

and the minimal educational requirements and qualifications for the student(s). Otherwise, the Proposal Evaluation Panel will not be able to determine if the students are qualified to do the described level of work.

i. Other support. If the student has pending requests for support to perform a similar project from other institutions, these requests should be listed.

j. Budget explanation and justification. It is important that the Proposal Evaluation Panel understand your budget in order to determine if it is adequately justified for the proposed mapping project. The budget justification section should explain in detail the itemized budget in the included Budget Sheet (Attachment B).

8. USGS Data Management Plan

Proposals submitted to USGS must include a supplementary document of no more than two pages labeled "Data Management Plan" (DMP). This supplementary document should describe how the proposal will conform to USGS policy on the dissemination and sharing of research results and associated data.

Applicants must submit the appropriate SF-424 Budget Information form and Budget Narrative. For non-construction programs or projects, applicants must complete and submit the SF-424A, "Budget Information for Non-Construction Programs" form. All of the required application forms are available with this announcement on [Grants.gov](https://www.grants.gov). Federal award recipients and subrecipients are subject to Federal award cost principles in 2 CFR 200.

Detailed Budget Narrative

The project budget shall include detailed information on all cost categories and must clearly identify all estimated project costs. Unit costs shall be provided for all budget items including the cost of work to be provided by contractors or sub-recipients. In addition, applicants shall include a narrative description of the items included in the project budget, including the value of in-kind contributions of goods and services provided to complete the project when cost share is identified to be included (reference section C of this announcement). Cost categories can include, but are not limited to, those costs items included on the SF424A or SF424C.

Budget Sheets (Attachment B). Only one budget sheet per proposal is required, but if, for logistical reasons, the budget request for one student is significantly different than another student, it may be useful to submit separate, individual budget sheets. Itemize budget sheets and include rates for salary and travel logistics. If there is a cost item that represents a large proportion of your proposal budget, the Proposal Evaluation Panel will want to know details. Please include a description of the cost share (cash vs. in kind). Examples of cost share (university/institution costs) include the Principal Investigator salary, student salary or assistantships, travel expenses, laboratory analysis, or other non-Federal support. If cost share includes support from another organization outside of the proposing institution, include a letter from that organization as evidence

PLEASE READ EACH CATEGORY DESCRIPTION BELOW AND PROVIDE THE DETAILED BREAKDOWN THAT IS REQUIRED FOR EACH. THIS WILL HELP AVOID POSSIBLE DELAYS IN PROCESSING A FUNDED PROPOSAL, AS AN AWARD WILL

NOT BE ISSUED UNTIL ALL REQUIRED INFORMATION IS PROVIDED.

The budget should contain the following:

k. Salaries. Include all students (list number of students, salary rate and amount of time on project for each student). Federal EDMAP funds do not support Teaching Assistantships (TA). Research Assistantships (RA) are allowed but only for students working exclusively on the proposed project. No faculty salary is allowed (but faculty salary may be used as match). In collaborative proposals that involve more than one student, if the students are from different institutions it is permissible to use different salary levels, but these must be justified in a manner that demonstrates that any differential remains equitable.

l. Fringe Benefits. Propose your rates/amounts. If rates are audit approved, include a copy of the audit agreement and/or the name of the audit agency. In collaborative proposals that involve more than one student, if the students are from different institutions, it is permissible to use different fringe benefit levels, but these must be justified in a manner that demonstrates that any differential remains equitable. Audit approval documentation should be provided for each institution.

m. Field Expenses. Itemize the estimated travel costs (i.e., number of people, number of travel days, per diem rate, mileage rate, airfare or other transportation, and any other travel costs).

n. Miscellaneous. Federal EDMAP funds are not allowed for the purchase or rental of capital equipment, such as GPS units, rock hammers, Brunton compasses, hand lenses, cameras, or other nonexpendable items. Matching funds may be used for this purpose, provided they are directly related and essential to the project. Itemize supplies such as base maps, aerial photographs, petrographic thin sections, film, datasets and other expendable field and office supplies. List any contractual services and associated costs. Use this section to itemize costs that are not identified elsewhere on the budget sheet. (Provide an estimated breakdown to include number and cost for each item).

o. Drilling and analytical expenses. Drilling and analytical laboratory (e.g., geochemistry, geochronology, geophysics) expenses are to be capped to less than 20 percent of your total proposal costs. Please note, Federal EDMAP funds are prohibited from being used to fund analytical work at any Federal facility (matching funds for this are allowed).

p. Non-allowable Expenses

i. Tuition and course fees. Federal EDMAP funds are not intended to pay tuition or course fees and use of tuition waivers as matching funds is not acceptable. Tuition remission is not an acceptable match.

ii. Teaching assistantships. Federal EDMAP funds are not intended for teaching assistantship salaries, nor are matching funds. EDMAP funds may be used to support student research assistantships if the student is working exclusively on the EDMAP project.

iii. Professional meetings. Federal EDMAP funds are not intended for travel or registration to professional meetings nor are they an acceptable Federal match.

iv. Software. Software licenses and maintenance contracts are non-allowable expenses (Federal or Institution match) IF the proposed project is a Field-Focused Project. **Software is an allowable expense if proposing a Data Synthesis Project.**

v. Overhead expenses. It is not permissible to use items or facilities (computers, computer facilities, plotters, rock lab, office space, etc.) as match that are already university/department/institution overhead expense. These items should be covered by indirect costs.

q. Total Direct Charges. Total for items k – o. Total direct charges MUST have a 1:1 Federal/Proposing Institution match. Failure to do so will result in automatic ineligibility and your proposal will not be further evaluated. The match side may be higher, but it must meet the 1:1 match requirement. In collaborative proposals, partial match from each institution is allowed as long as the total reaches the 1:1 threshold.

r. Indirect Charges. Show proposed rate and amount. Proposals must include a copy of the Indirect Negotiated Cost Rate between the institution and the Federal Government. NOTE: The 2009 Reauthorization of the National Geologic Mapping Act (Public Law 111-11) states that the USGS and recipients of EDMAP grants shall not use more than 15.25% of the Federal funds to pay indirect, servicing, or program management charges (which is equivalent to 18% of total direct costs). In collaborative proposals, different rates and amounts are allowed based on the direct costs to be received by each institution. A copy of the Indirect Negotiated Cost Rate must be included for each institution claiming indirect charges.

s. Matching Funds. Regardless of the Proposing Institution's federally negotiated indirect cost rate, a Proposing Institution must show a 1:1 match of the total direct costs and no more than 18% on the Federal indirect cost line. Up to 18% of a Proposing Institution's total direct costs may be used as a Proposing Institution match on the Proposing Institution's indirect cost line. If a Proposing Institution chooses (or is required) to show a higher than 18% rate on the Proposing Institution's indirect cost line it can be listed under "uncollected indirect costs" on the University/proposing Institution side, the result will be a higher Proposing Institution budget total than the Federal budget total. If the Proposing Institution's approved rate is less than 18%, the approved rate must be used. This also applies to subcontracts. If you have a sub-award issued for a portion of your project the same rules apply to the 18% cap for indirect costs on the federal side. **In collaborative proposals, partial match from each institution is allowed as long as the total reaches the 1:1 threshold.**

Data Management Plan Requirements

Proposals submitted to USGS must include a supplementary document of no more than four pages labeled "Data Management Plan" (DMP). This supplementary document should describe

how the proposal will conform to USGS policy on the dissemination and sharing of research results and associated data. A valid DMP may include only the statement that no detailed plan is needed (e.g. “No data are expected to be produced from this project”), as long as the statement is accompanied by a clear justification. This supplementary document may include:

- the types of data, samples, physical collections, software, curriculum materials, and other materials to be produced in the course of the project;
- the standards to be used for data and metadata format and content (where existing standards are absent or deemed inadequate, this should be documented along with any proposed solutions or remedies);
- policies for access and sharing including provisions for appropriate protection of privacy, confidentiality, security, intellectual property, or other rights or requirements;
- provisions for re-use, re-distribution, and the production of derivatives; and
- plans for archiving data, samples, and other research products, and for preservation of free public access to them.

Additional guidance on data management plans is available from the USGS Data Management web site here: <https://www.usgs.gov/products/data-and-tools/data-management/data-management-plans> Simultaneously submitted collaborative proposals and proposals that include subawards are a single unified project and should include only one supplemental combined DMP by the lead PI that also addresses all subaward data management needs, regardless of the number of non-lead collaborative proposals or subawards included.

USGS Data Management Plan

Proposals submitted to USGS must include a supplementary document of no more than two pages labeled "Data Management Plan" (DMP). This supplementary document should describe how the proposal will conform to USGS policy on the dissemination and sharing of research results and associated data. A valid DMP may include only the statement that no detailed plan is needed (e.g., “No data are expected to be produced from this project”), if the statement is accompanied by a clear justification. This supplementary document may include:

- the types of data, samples, physical collections, software, curriculum materials, and other materials to be produced during the project;
- the standards to be used for data and metadata format and content (where existing standards are absent or deemed inadequate, this should be documented along with any proposed solutions or remedies);
- policies for access and sharing including provisions for appropriate protection of privacy, confidentiality, security, intellectual property, or other rights or requirements;
- provisions for re-use, re-distribution, and the production of derivatives; and plans for archiving data, samples, and other research products, and for preservation of free public access to them.

Additional guidance on data management plans is available from the USGS Data Management web site here: <https://www2.usgs.gov/datamanagement/plan/dmplans.php>

Conflict of Interest Disclosure

Per the Financial Assistance Interior Regulation (FAIR), [2 CFR §1402.112](#), applicants must state in their application if any actual or potential conflict of interest exists at the time of submission.

(a) Applicability.

(1) This section intends to ensure that non-Federal entities and their employees take appropriate steps to avoid conflicts of interest in their responsibilities under or with respect to Federal financial assistance agreements.

(2) In the procurement of supplies, equipment, construction, and services by recipients and by subrecipients, the conflict of interest provisions in 2 CFR 200.318 apply.

(b) Notification.

(1) Non-Federal entities, including applicants for financial assistance awards, must disclose in writing any conflict of interest to the DOI awarding agency or pass-through entity in accordance with 2 CFR 200.112.

(2) Recipients must establish internal controls that include, at a minimum, procedures to identify, disclose, and mitigate or eliminate identified conflicts of interest. The recipient is responsible for notifying the Financial Assistance Officer in writing of any conflicts of interest that may arise during the life of the award, including those that have been reported by subrecipients.

(c) Restrictions on lobbying. Non-Federal entities are strictly prohibited from using funds under a grant or cooperative agreement for lobbying activities and must provide the required certifications and disclosures pursuant to 43 CFR part 18 and 31 U.S.C. 1352.

(d) Review procedures. The Financial Assistance Officer will examine each conflict of interest disclosure on the basis of its particular facts and the nature of the proposed grant or cooperative agreement, and will determine whether a significant potential conflict exists and, if it does, develop an appropriate means for resolving it.

(e) Enforcement. Failure to resolve conflicts of interest in a manner that satisfies the government may be cause for termination of the award. Failure to make required disclosures may result in any of the remedies described in 2 CFR 200.338, Remedies for noncompliance, including suspension or debarment (see also 2 CFR part 180).

Single Audit Reporting Statement

All U.S. states, local governments, federally recognized Indian tribal governments, and non-profit organizations expending \$750,000 USD or more in Federal award funds in the applicant's fiscal year must submit a Single Audit report for that year through the [Federal Audit Clearinghouse's Internet Data Entry System](#). U.S. state, local government, federally recognized Indian tribal government, and non-profit applicants must state if your organization was or was not required to submit a Single Audit report for the most recently closed fiscal year. If your organization was required to submit a Single Audit report for the most recently closed fiscal year, provide the EIN associated with that report and state if it is available through the [Federal Audit Clearinghouse](#) website.

Certification Regarding Lobbying

Applicants requesting more than \$100,000 in Federal funding must certify to the statements in [43 CFR Part 18, Appendix A-Certification Regarding Lobbying](#). If this application requests more than \$100,000 in Federal funds, the Authorized Official's signature on the appropriate SF-424, Application for Federal Assistance form also represents the entity's certification of the statements in 43 CFR Part 18, Appendix A.

Disclosure of Lobbying Activities

Applicants and recipients must not use any federally appropriated funds (annually appropriated or continuing appropriations) or matching funds under a Federal award to pay any person for lobbying in connection with the award. Lobbying is influencing or attempting to influence an officer or employee of any U.S. agency, a Member of the U.S. Congress, an officer or employee of the U.S. Congress, or an employee of a Member of the U.S. Congress connection with the award. Applicants and recipients must complete and submit the [SF-LLL, "Disclosure of Lobbying Activities"](#) form if the Federal share of the proposal or award is more than \$100,000 and the applicant or recipient has made or has agreed to make any payment using non-appropriated funds for lobbying in connection with the application or award. The SF-LLL form is available with this Funding Opportunity on Grants.gov. See 43 CFR, Subpart 18.100 and 31 USC 1352 for more information on when additional submission of this form is required.

Overlap or Duplication of Effort Statement

Applicants must provide a statement indicating if there is any overlap between this Federal application and any other Federal application, or funded project, in regards to activities, costs, or time commitment of key personnel. If no such overlap or duplication exists, state, "There are no overlaps or duplication between this application and any of our other Federal applications or funded projects, including in regards to activities, costs, or time commitment of key personnel". If any such overlap exists, provide a complete description of overlaps or duplications between this proposal and any other federally funded project or application in regards to activities, costs, and time commitment of key personnel, as applicable. Provide a copy of any overlapping or duplicative proposal submitted to any other potential funding entity and identify when that proposal was submitted, to whom (entity name and program), and when you anticipate being notified of their funding decision. The statement and the description of overlap or duplication, when applicable, may be provided within the proposal or as a separate attachment to the application. If at any time a proposal is awarded funds that would be overlapping or duplicative of the funding requested from USGS, the applicant must immediately notify the USGS point of contact. Any overlap or duplication of funding between the proposed project and other active or anticipated projects may impact selection and/or funding amount.

D3. Unique Entity Identifier and System for Award Management (SAM)

Identifier and System for Award Management (SAM.gov) Registration: This requirement does not apply to individuals applying for funds as individual (i.e., unrelated to any business or nonprofit organization you may own or operate) or any entity with an exception approved by the funding bureau or office in accordance with bureau or office policy. All other applicants are required to obtain a Data Universal Numbering System (DUNS) number from Dun & Bradstreet and then register in SAM.gov prior to submitting a Federal award application. Federal award

recipients must continue to maintain an active SAM.gov registration with current information through the life of their Federal award(s). See the “Submission Requirements” section of this document below for more information on SAM.gov registration. We may not make a Federal award to an applicant that has not completed the SAM.gov registration. If an applicant selected for funding has not completed their SAM.gov registration by the time the program is ready to make an award, the program may determine that the applicant is not qualified to receive an award. The program can use that determination as a basis for making an award to another applicant. **There is no cost to register with Dun & Bradstreet or SAM.gov.** There are third-party vendors who will charge a fee in exchange for registering entities with Dun & Bradstreet and SAM.gov; **please be aware you can register and request help for free.**

Obtain a DUNS Number

Request a DUNS Number through the Dun & Bradstreet website. For technical difficulties, send an email to the D&B SAM Help Desk. Please ensure that you are able to receive emails from SAMHelp@dnb.com. The Grants.gov “Obtain a DUNS Number” webpage also provides detailed instructions. Once assigned a DUNS number, your organization must maintain up-to-date information with Dun & Bradstreet. Applicants must enter their DUNS number in the “Organizational DUNS” field on the SF-424, Application for Federal Assistance form.

Register with the System for Award Management (SAM)

Register on the SAM.gov website. “Help” tab on the website contains User Guides and other information to assist you with registration. The Grants.gov Register with SAM page also provides detailed instructions. You can also contact the supporting Federal Service Desk for help registering in SAM. Once registered in SAM, entities must renew and revalidate their SAM registration at least once every 12 months from the date previously registered. Entities are strongly encouraged to revalidate their registration as often as needed to ensure their information is up to date and reflects changes that may have been to the entity’s DUNS or IRS information.

D4. Submission Dates and Times

Due Date for Applications

January 07, 2022

Application Due Date Explanation

Electronically submitted applications must be submitted no later than 3:00 p.m., ET, on the listed application due date.

D5. Intergovernmental Review

Prior to application submission, U.S. state and local government applicants should visit the [OMB Office of Federal Financial Management website](#) and view the “State Point of Contact (SPOC) List” to determine whether their application is subject to the state intergovernmental review process under Executive Order (E.O.) 12372 “Intergovernmental Review of Federal Programs.” States not on the list do not participate in the intergovernmental review process, and therefore do not have a SPOC. If you are located within a State that does not have a SPOC, you may send application materials directly to a Federal awarding agency. If your state is on the list, contact the

designated entity for more information on the state's prior review requirements for Federal assistance applications.

D6. Funding Restrictions

The Federal awarding agency that provides the largest amount of direct funding to your organization is your cognizant agency for indirect costs, unless otherwise assigned by the White House Office of Management and Budget (OMB). If the Department of the Interior is your organization's cognizant agency, the Interior Business Center will negotiate your indirect cost rate. Contact the Interior Business Center by phone 916-930-3803 or using the [IBC Email Submission Form](#). See the [IBC Website](#) for more information.

-

Organizations must have an active Federal award before they can submit an indirect cost rate proposal to their cognizant agency. Failure to establish an approved rate during the award period renders all costs otherwise allocable as indirect costs unallowable under the award. Recipients must have prior written approval from USGS to use amounts budgeted for direct costs to satisfy cost-share or match requirements or to cover unallowable indirect costs. Recipients shall not shift unallowable indirect costs to another Federal award unless specifically authorized to do so by legislation.

Required Indirect Cost Statement to be submitted with Application

All organizations must include the applicable statement from the following list in their application, and attach to their application any documentation identified in the applicable statement:

We are:

- A U.S. state or local government entity receiving more than \$35 million in direct Federal funding each year with an indirect cost rate of [insert rate]. We submit our indirect cost rate proposals to our cognizant agency. Attached is a copy of our most recently approved rate agreement/certification.
- A U.S. state or local government entity receiving less than \$35 million in direct Federal funding with an indirect cost rate of [insert rate]. We have prepared and will retain for audit an indirect cost rate proposal and related documentation.
- A [insert your organization type; U.S. states and local governments, do not use this statement] that has previously negotiated or currently has an approved indirect cost rate with our cognizant agency. Our indirect cost rate is [insert rate]. [Insert either: "Attached is a copy of our most recently approved but expired rate agreement. In the event an award is made, we will submit an indirect cost rate proposal to our cognizant agency within 90 calendar days after the award is made." or "Attached is a copy of our current negotiated indirect cost rate agreement."]
- A [insert your organization type] that has never submitted an indirect cost rate proposal to our cognizant agency. Our indirect cost rate is [insert rate]. If we receive an award, we will submit an indirect cost rate proposal to our cognizant agency within 90 calendar days after the award date.

- A [insert your organization type] that has never submitted an indirect cost rate proposal to our cognizant agency and has an indirect cost rate that is lower than 10%. Our indirect cost rate is [insert rate; must be lower than 10%]. However, if we receive an award we will not be able to meet the requirement to submit an indirect cost rate proposal to our cognizant agency within 90 calendar days after award. We request as a condition of award to charge a flat indirect cost rate of [insert rate; must be lower than 10%] against [insert a clear description of the direct cost base against which your rate is charged (e.g., salaries; salaries and fringe benefits; or modified total direct costs). However, please note that your organization cannot charge indirect costs in excess of the indirect costs that would be recovered if applied against modified total direct costs as defined in [§2 CFR 200.68](#)]. We understand that we must notify USGS in writing if we establish an approved rate with our cognizant agency at any point during the award period.
- A [insert your organization type] that has never submitted an indirect cost rate proposal to our cognizant agency and has an indirect cost rate that is 10% or higher. Our indirect cost rate is [insert your organization's indirect rate; must be 10% or higher]. However, if we receive an award we will not be able to meet the requirement to submit an indirect cost rate proposal to our cognizant agency within 90 calendar days after award. We request as a condition of award to charge a flat *de minimis* indirect cost rate of 10% to be charged against modified total direct project costs as defined in [2 CFR §200.68](#). We understand that we must notify USGS in writing if we establish a negotiated rate with our cognizant agency at any point during the award period. We understand that additional Federal funds may not be available to support an unexpected increase in indirect costs during the project period and that such changes are subject to review, negotiation, and prior approval by USGS.
- A [insert your organization type] that is submitting this proposal for consideration under the “Cooperative Ecosystem Studies Unit Network”, which has a Department of the Interior-approved indirect cost rate cap of 17.5%. If we have an approved indirect cost rate with our cognizant agency, we understand that we must apply this reduced rate against the same direct cost base as identified in our approved indirect cost rate agreement per [2 CFR §1402.414](#). If we do not have an approved indirect cost rate with our cognizant agency, we understand that we must charge indirect costs against the modified total direct cost base defined in 2 CFR §200.68 “Modified Total Direct Cost (MTDC)”. We understand that we must request prior approval from USGS to use the 2 CFR 200 MTDC base instead of the base identified in our approved indirect cost rate agreement. We understand that USGS approval of such a request will be based on: 1) a determination that our approved base is only a subset of the MTDC (such as salaries and wages); and 2) that use of the MTDC base will still result in a reduction of the total indirect costs to be charged to the award. In accordance with 2 CFR §200.405, we understand that indirect costs not recovered due to a voluntary reduction to our federally negotiated rate are not allowable for recovery via any other means.
- A [insert your organization type] that will charge all costs directly.

Matching Funds. Regardless of the Proposing Institution's federally negotiated indirect cost rate, a Proposing Institution must show a 1:1 match of the total direct costs and no more than 18% on the Federal indirect cost line. Up to 18% of a Proposing Institution's total direct costs may be used as a Proposing Institution match on the Proposing Institution's indirect cost line. If a

Proposing Institution chooses (or is required) to show a higher than 18% rate on the Proposing Institution's indirect cost line it can be listed under "uncollected indirect costs" on the University/proposing Institution side, the result will be a higher Proposing Institution budget total than the Federal budget total. If the Proposing Institution's approved rate is less than 18%, the approved rate must be used. This also applies to subcontracts. If you have a sub-award issued for a portion of your project the same rules apply to the 18% cap for indirect costs on the federal side. **In collaborative proposals, partial match from each institution is allowed as long as the total reaches the 1:1 threshold.**

D7. Other Submission Requirements

Applicants are held responsible for the proposal to be electronically submitted into GRANTS.GOV (www.grants.gov) by January 3, 2022 @ 3:00 p.m. (EST). This website includes step by step instructions for GRANTS.GOV. Please be aware that the electronic submission system is relatively complex for first-time users and involves several preliminary registration steps to be taken before the proposal can be submitted (go to www.grants.gov and click on the "Register" link at the top of the page). **Be advised that it is virtually impossible to begin the process of electronic submission for the first time if you start just a few days before the proposal submission due date.** Please contact your Office of Sponsored Programs as they may already have completed the registration process and should work with you to submit the application.

E. Application Review Information

E1. Criteria

Coordination	Maximum Points: 10
---------------------	---------------------------

Coordination (10 points). Has the PI discussed or planned their mapping project with the appropriate State Geologist or USGS Project Chief? Is a letter of support from the State Geologist and/or USGS Project Chief included with the proposal? What is the degree of this coordination? Are geologists from other organizations, such as the USGS or State geological surveys, included in the project?

Justification	Maximum Points: 20
----------------------	---------------------------

Justification (20 points). How well does the proposed project answer any significant scientific questions? How well does the project address a problem that has any significant societal value? How well does the proposed project address current Department of the Interior priorities, the goals of the National Geologic Mapping Act, and the goals of the NCGMP?

Technical quality	Maximum Points: 30
--------------------------	---------------------------

Technical quality (30 points). Are the scientific objectives clearly stated? How well does the proposal stress what is important and new? How does the proposal address necessary support

data, such as geochronological or geochemical information, if that data is critical to the success of the project? How well does the mapping strategy focus on developing student mapping skills, OR developing skills related to data synthesis? Does the student appear to be capable of accomplishing the objectives stated, and in the time allowed? Is the proposal well-written and concise?

Mentorship

Maximum Points: 25

Mentorship (25 points). What is the level of faculty mentoring and will the faculty member be spending adequate time advising the student on geologic mapping techniques and other aspects of the project? How well does the proposal address details on mentoring activities including time before, during, and after the fieldwork and/or field experience, as well as field (or other, e.g., laboratory) safety? What is the degree of communication between the Principal Investigator and student? If there are assistant mappers, are they being mentored as well?

Budget

Maximum Points: 15

Budget (15 points). Is the proposed budget commensurate with the level of effort required to accomplish the objectives? Is the cost reasonable relative to the anticipated results? Are non-Federal funds or in-kind services available to at least equally match the requested Federal funding amount? (For example, this could consist of documentation showing salary paid or intended to be paid to a graduate student for any work relating to the field project. In addition, university stipends for RA (Research Assistant) work paid to the student for any work related to the research project during the year can be used as the university/institution match. Alternatively, match can be shown as money paid to undergraduate field assistants during work on the research project.) Is the budget designed primarily to get the student into the field to learn and perform geologic mapping (e.g., Field-Focused Projects), OR is the budget designed to address other earth science related questions resulting in the production of a geologic map (Data Synthesis Projects)? Is the amount of faculty advisor support modest and reasonable? Is the budget well itemized and explained and justified in detail?

E2. Review and Selection Process

EDMAP proposals will be reviewed by an eight-member panel in early January. Four (4) members will be professors. Two (2) members will be State Geologists chosen by the Association of American State Geologists. Two (2) members will be USGS geologists. The EDMAP Program Officer will serve as Chair and will choose the USGS and academic members. All members will serve three year-long terms. No panelist may review or take part in any discussion with other panel members prior to or during a panel meeting about a proposal that originated from her/his university/institution, or for which other potential conflicts of interest are recognized.

E3. CFR – Regulatory Information

Refer to the U.S. Geological Survey (USGS) Award Terms and Conditions for the general administrative and national policy requirements applicable to USGS awards. USGS will

communicate any other program- or project-specific special terms and conditions to recipients in their Notice of Award.

E4. Anticipated Announcement and Federal Award Dates

F. Federal Award Administration Information

F1. Federal Award Notices

F2. Administrative and National Policy Requirements

See the “[DOI Standard Terms and Conditions](#)” for the administrative and national policy requirements applicable to DOI awards.

Refer to the U.S. Geological Survey (USGS) Award Terms and Conditions for the general administrative and national policy requirements applicable to USGS awards. The USGS will communicate any other program- or project-specific special terms and conditions to recipients in their Notice of Award.

Data Availability

Per the Financial Assistance Interior Regulation (FAIR), [2 CFR §1402.315](#):

(a) All data, methodology, factual inputs, models, analyses, technical information, reports, conclusions, valuation products or other scientific assessments in any medium or form, including textual, numerical, graphic, cartographic, narrative, or audiovisual, resulting from a financial assistance agreement is available for use by the Department of the Interior, including being available in a manner that is sufficient for independent verification.

(b) The Federal Government has the right to:

(1) Obtain, reproduce, publish, or otherwise use the data, methodology, factual inputs, models, analyses, technical information, reports, conclusions, or other scientific assessments, produced under a Federal award; and

(2) Authorize others to receive, reproduce, publish, or otherwise use such data, methodology, factual inputs, models, analyses, technical information, reports, conclusions, or other scientific assessments, for Federal purposes, including to allow for meaningful third-party evaluation.

Full Terms and Conditions are presented in Attachment C, 'Terms and Conditions'.

F3. Reporting

Financial Reports

All recipients must use the [SF-425, Federal Financial Report](#) form for financial reporting. At a minimum, all recipients must submit a **final** financial report. Final reports are due no later than

90 calendar days after the award period of performance end date or termination date. For awards with periods of performance longer than 12 months, recipients are required to submit **interim** financial reports on the frequency established in the Notice of Award. The only exception to the interim financial reporting requirement is if the recipient is required to use the SF 270/271 to request payment and requests payment at least once annually through the entire award period of performance. We will describe all financial reporting requirements in the Notice of Award.

Details on deadlines and how to submit the Financial Report are included in the Terms and Conditions shown in Attachment C, Section A.5, Reporting Requirements.

Performance Reports

Performance reports must contain a comparison of actual accomplishments with the established goals and objectives of the award; a description of reasons why established goals were not met, if appropriate; and any other pertinent information relevant to the project results. Final reports are due no later than 90 calendar days after the award period of performance end date or termination date. For awards with periods of performance longer than 12 months, recipients are required to submit **interim** financial reports on the frequency established in the Notice of Award.

Details on deadlines and how to submit the Interim Project Report are included in the Terms and Conditions shown in Attachment C, Section A.5, Reporting Requirements.

Significant Development Reports

Events may occur between the scheduled performance reporting dates which have significant impact upon the supported activity. In such cases, recipients are required to notify the Bureau in writing as soon as the recipient becomes aware of any problems, delays, or adverse conditions that will materially impair the ability to meet the objective of the Federal award. This disclosure must include a statement of any corrective action(s) taken or contemplated, and any assistance needed to resolve the situation. The recipient should also notify USGS in writing of any favorable developments that enable meeting time schedules and objectives sooner or at less cost than anticipated or producing more or different beneficial results than originally planned.

Conflict of Interest Disclosures

Recipients must notify the program immediately in writing of any conflict of interest that arise during the life of their Federal award, including those reported to them by any subrecipient under the award. Recipients must notify the program in writing if any employees, including subrecipient and contractor personnel, are related to, married to, or have a close personal relationship with any Federal employee in the Federal funding program or who otherwise may have been involved in the review and selection of the award. The term employee means any individual engaged in the performance of work pursuant to the Federal award. Recipients may not have a former Federal employee as a key project official, or in any other substantial role related to their award, whose participation put them out of compliance with the legal authorities addressing post-Government employment restrictions. See the [U.S. Office of Government Ethics website](#) for more information on these restrictions. USGS will examine each conflict of interest disclosure based on its particular facts and the nature of the project and will determine if a significant potential conflict exists. If it does, USGS will work with the recipient to determine an appropriate resolution. Failure to disclose and resolve conflicts of interest in a manner that satisfies USGS may result in any of the remedies described in 2 CFR 200.338 Remedies for Noncompliance, including termination of the award.

Other Mandatory Disclosures

The Non-Federal entity or applicant for a Federal award must disclose, in a timely manner, in writing to the Federal awarding agency or pass-through entity all violations of Federal criminal law involving fraud, bribery, or gratuity violations potentially affecting the Federal award. Non-Federal entities that receive a Federal award including the terms and conditions outlined in 2 CFR 200, Appendix XII—Award Term and Condition for Recipient Integrity and Performance Matters are required to report certain civil, criminal, or administrative proceedings to SAM. Failure to make required disclosures can result in any of the remedies described in 2 CFR 200.338 Remedies for Noncompliance, including suspension or debarment.

Reporting Matters Related to Recipient Integrity and Performance

If the total value of your currently active grants, cooperative agreements, and procurement contracts from all Federal awarding agencies exceeds \$10,000,000 for any period of time during the period of performance of this Federal award, then you as the recipient during that period of time must maintain the currency of information reported to the System for Award Management (SAM) that is made available in the designated integrity and performance system (currently the Federal Awardee Performance and Integrity Information System (FAPIIS)) about civil, criminal, or administrative proceedings in accordance with Appendix XII to 2 CFR 200.

G. Federal Awarding Agency Contact(s)

G1. Program Technical Contact

For **programmatic technical assistance**, contact:

First Name:

Michael

Last Name:

Marketti

Address:

Telephone:

7036486976

Email:

mmarketti@usgs.gov

G2. Program Administration Contact

For **program administration assistance**, contact:

First Name:

Lisa

Last Name:

Nicholson

Address:

Telephone:

703-648-7396

Email:

lnicholson@usgs.gov

G3. Application System Technical Support

For **Grants.gov** technical registration and submission, downloading forms and application packages, contact:

Name:

Grants.gov Customer Support

Telephone:

1-800-518-4726

Email:

Support@grants.gov

H. Other Information

Payments

Domestic recipients are required to register in and receive payment through the U.S. Treasury's Automated Standard Application for Payments (ASAP), unless approved for a waiver by the USGS program. Foreign recipients receiving funds to a final destination bank outside the U.S. are required to receive payment through the U.S. Treasury's International Treasury Services (ITS) System. Foreign recipients receiving funds to a final destination bank in the U.S. are required to enter and maintain current banking details in their SAM.gov entity profile and receive payment through the Automated Clearing House network by electronic funds transfer (EFT). The Bureau will include recipient-specific instructions on how to request payment, including identification of any additional information required and where to submit payment requests, as applicable, in all Notices of Award.

PAPERWORK REDUCTION ACT STATEMENT:

OMB Control Number: 1028-0088, Expiration Date: 10/31/2021