



UNITED STATES DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

-- STATEMAP --

**The State Component of the
National Cooperative Geologic Mapping Program**

**Re-authorized in 2022 by the Infrastructure Investment and Jobs Act
(Public Law 117-58, Sec. 40202: “National Cooperative Geologic
Mapping Program”)**

PROGRAM ANNOUNCEMENT No. G24AS00043

For Fiscal Year 2024

ISSUE DATE: September 18, 2023

CLOSING DATE & TIME:

Tuesday, January 9, 2024 - @ 3:00 p.m.

EST

PLEASE READ THE ENTIRE ANNOUNCEMENT CAREFULLY AND NOTE ANY CHANGES

Paperwork Reduction Act Approval – OMB control number 1028-0088, Expiration Date 10/31/2024

TABLE OF CONTENTS

LIST OF ATTACHMENTS	i
PROGRAM ANNOUNCEMENT CHANGES	ii
PART I. Public Law, Program Priorities, and Geologic Map Products	1
A. The National Geologic Mapping Act	1
B. STATEMAP Component of the NCGMP	2
C. STATEMAP Proposals	2
D. FY2024 Guidance for STATEMAP Geologic Map Products	3
E. FY2024 Requirements for New Mapping Products	6
PART II. Timetables, Eligibility, Format Instructions, and Proposal Evaluation	8
A. Timetables	8
B. Eligibility – Who May Submit a Proposal	8
C. Proposal Format Instructions	8
D. Proposal Evaluation	16
PART III. Proposal Delivery and Submission Instructions	18
PART IV. General Provisions	18
A. General Provisions of the NCGMP	18
B. Office of Management and Budget Circulars	19
C. Publication	19
D. Funding	20
LIST OF ATTACHMENTS	
A. STATEMAP Proposal Summary Sheet	
B. STATEMAP Project Abstract Summary	
C. Budget Sheet for Entire Proposal	
D. Budget Sheet for Individual Project	
E. Special Terms and Conditions	
F. Instructions for Uploading Deliverables	
G. STATEMAP Proposals with Tribal Implications	
H. Data Management Plan - Example Template	

Form required at the end of the project period (form is online only)

- I. Standard Form 425 – Federal Financial Report (submitted through GrantSolutions); form is available online at <https://www.grants.gov/forms/post-award-reporting-forms.html>

PROGRAM ANNOUNCEMENT CHANGES

Part I, A, and throughout: Editorial changes were made throughout the entire Program Announcement for conciseness and clarity.

Part I, A, and throughout: Authorizing legislation for the National Cooperative Geologic Mapping Program (2022 Infrastructure Investment and Jobs Act) is updated.

Part I, A, and throughout: Issue date and closing date and time are updated. Please note the longer than 60-day open period.

Part I, A, and throughout: Language related to NCGMP federal trust responsibility to Tribal Nations added here and throughout PA.

Part I, C, STATEMAP Proposals: Proposal Period of Performance may be between 12 and 24 months, not either 12 or 24 months.

Part I, D, FY2024 Guidance Criteria for STATEMAP Geologic Products: Any GeMS database produced under STATEMAP should be tagged at Category 2. For example, new mapping performed under Guidance Criterion 1 must include a GeMS database. This GeMS database may be tagged at Guidance Criterion 5, Category 2.

Part I, D, FY2024 Guidance Criteria for STATEMAP Geologic Products: Clarification provided in Guidance Criterion 1 to allow for completion of unfinished, non-STATEMAP funded maps so long as new mapping activities occur.

Part I, D, FY2024 Guidance Criteria for STATEMAP Geologic Products: Accompanying GeMS database produced under Guidance Criterion 1 may now be either a previously published (within the past 5 years) map that has not been superseded, or a final version of the newly mapped product.

Part I, D, FY2024 Guidance Criteria for STATEMAP Geologic Products: Accompanying GeMS database produced under Guidance Criterion 2 may now be either a previously published (within the past 5 years) map that has not been superseded, or a final version of the new derivative product.

Part I, D, FY2024 Guidance Criteria for STATEMAP Geologic Products: Additional requirements are added for submissions related to Guidance Criterion 3, subsurface geologic data. Additionally, an FGDC-compliant metadata file must accompany all submissions funded under Guidance Criterion 3.

Part I, D, FY2024 Guidance Criteria for STATEMAP Geologic Products: Emphasis is placed on compilation work under Guidance Criterion 4.

Part I, D, FY2024 Guidance Criteria for STATEMAP Geologic Products: Ability to convert previously submitted non-GeMS (e.g., NCGMP09) or GeMS Level 2 or lower databases to current GeMS Level 3 standards is added as an option under Guidance Criterion 5.

Part I, D, FY2024 Guidance Criteria for STATEMAP Geologic Products: For clarity, specific activities that are permissible under Guidance Criterion 8 – GeMS and 3D training – are added.

Part I, D, FY2024 Guidance Criteria for STATEMAP Geologic Products: The Guidance Criterion related to submission of borehole data is removed for FY2024.

Part I, D, FY2024 Guidance Criteria for STATEMAP Geologic Products: Funds may now be used under Guidance Criterion 10 to formally re-name any strata/Formations in your State that contain a derogatory term as identified by Secretarial Order.

Part I, D, FY2024 Guidance Criteria for STATEMAP Geologic Products: Funds may now be used under Guidance Criterion 11 to develop digital Statewide or regional geologic name dictionaries.

Part I, D, FY2024 Guidance Criteria for STATEMAP Geologic Products, and throughout: If proposing a collaborative project under Guidance Criterion 13, a letter from the collaborating State Geologist is no longer needed. Additionally, funds may be requested to attend joint workshops directly related to collaborative projects.

Part I, D, FY2024 Guidance Criteria for STATEMAP Geologic Products: A reminder is provided that any production of a GeMS database should fall under Guidance Criterion 5 (Category 2). Therefore, the GeMS databases required with the proposal of new mapping (Guidance Criterion 1) would not count towards your maximum \$500,000 that can be expended on Category 1 activities.

Part I, E, FY2024 Requirements for New Mapping Products: Added guidance on Geospatial Data.

Part II, C, Proposal Format Instructions: Reference to the Letter of Support from collaborating State Geologist is removed.

Part II, C, Proposal Format Instructions: The STATEMAP Proposal Summary Sheet is updated for FY2024. Clarification regarding what constitutes work on or over Tribal Lands is added. States must now indicate whether any proposed digital data exist in the [geoplatform.gov](https://www.geoplatform.gov) database. Also, please remember to list funds requested and match proposed per project, not just by Category and Guidance Criteria.

Part II, C, 9, Proposal Technical Section: Suggestion to include a graphic tying each proposed project and deliverable to your long-range mapping plan and societal needs is added.

Part II, C, 9, Proposal Technical Section: If proposing work on or near Tribal Lands, provide details in the Location and Geologic Setting Section of your proposal on: (1) whether or not physical access to Tribal Lands is required, (2) whether or not the proposed activity would include soil disturbance (e.g., sample collection) on or near Tribal Lands, and (3) details regarding State pre-coordination, request for access, or other communication with Tribes on the proposed project (if applicable).

Part II, C, 9, Proposal Technical Section: Text added to reiterate that final, published versions of any geologic map produced with STATEMAP funds must be submitted no later than one year after the State's Period of Performance ends.

Part II, C, 11, Budget Sheets: If only one project is proposed, only one budget sheet is needed. Simply submit Attachment C only and no Attachment D.

Part II, C, 11, Budget Sheets: Definition for non-expendable property is provided. Non-expendable property is defined as having a functioning shelf-life of at least two years and a cost greater than \$5,000.

Part II, C, 11, Budget Sheets: Clarification added that if software licenses are already covered in your fringe benefits, then they should not be a listed request/match on your budget sheets. Clarification added that student contractors are an acceptable expense.

Part II, C, 11, Budget Sheets: Requirement to attend a USGS-sponsored conference or event has been removed. State may now request up to \$6,000 for conference, workshop, or training travel. If travel costs are directly related to Guidance Criterion 13, they do not count towards this \$6,000 maximum.

Part II, D, Proposal Evaluation: Weights of Proposal Evaluation Criteria are modified.

Part II, D, Proposal Evaluation: Starting in FY2024, a GeMS Level 3 database will be evaluated alongside a recently submitted PDF geologic map.

Part IV, D, Funding: No Cost Extensions may not exceed 30 days prior to the STATEMAP Panel that directly proceeds the end of a State's Period of Performance without resulting in a penalty during the next Proposal Evaluation Panel. For example, if a State requests an additional one year No Cost Extension, the State will be penalized for tardiness during their next STATEMAP Proposal Evaluation.

Attachment A: Clarification added so that Category 1 and Category 2 requests are outlined for each proposed project. Additionally, indication of whether geoplatform.gov was searched for each project is added.

Attachment E, B.2, Additional Regulations: Government-wide regulations related to Tribal Nations and Alaskan Native Villages are added.

Attachment F, NCGMP-Funded Research with Tribal Implications: STATEMAP Summary: New in FY2024 is Attachment F, a guidance document related to proposing work on, over, or near Tribal Lands.

PART I. Public Law, Program Priorities, and Geologic Map Products

A. The National Geologic Mapping Act

To establish a coordinated program that prioritizes the geologic mapping requirements of the Nation and to increase production of geologic maps, the 102nd Congress passed the National Geologic Mapping Act (Public Law 102-285), referred to within as “the Act.” Signed into law in 1992, the Act created the U.S. Geological Survey (USGS) National Cooperative Geologic Mapping Program (NCGMP). Since, the Act has been re-authorized five times, most recently by P.L. 117-58, the Infrastructure Investment and Jobs Act (<https://www.congress.gov/117/plaws/publ58/PLAW-117publ58.pdf>), Sec. 40202: “*National Cooperative Geologic Mapping Program*”. The Act recognizes that geologic maps are the primary base for virtually all applied and basic earth-science investigations.

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

1. Determine the Nation’s geologic framework through the systematic development of geologic maps.
2. Submit aforementioned maps to the National Geologic Map Database (NGMDB); develop complementary national databases that provide value-added information to the NGMDB.
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.

In 2021, NCGMP published a new Strategic Plan, renewing its vision and mission (see <https://pubs.usgs.gov/of/2021/1013/ofr20211013.pdf>). As described in this Strategic Plan, the renewed vision of the USGS NCGMP is to create an integrated, two-dimensional (2D) and three-dimensional (3D) digital geologic map of the United States and its territories to address the changing needs of the Nation. This mission of the NCGMP is to characterize, interpret, and disseminate a national geologic framework model of the Nation through geologic mapping and associated research. These data are also intended to support the responsible use of land, water, energy, and minerals, and to mitigate the impact of geologic hazards on society, thereby facilitating national security and economic growth through informed earth resource management.

The STATEMAP Program, required and defined by the Act, also carries out NCGMP’s mission and supports Department of the Interior Secretarial priorities (see <https://www.doi.gov/ourpriorities>) by developing a national geologic framework through the generation of 2D and 3D geologic map databases. The geologic mapping supported by STATEMAP provides the foundational information necessary to manage the Nation’s land and water resources, adapt to changes in the environment, and secure the Nation. Geologic maps and associated STATEMAP products provide the data necessary to assess our natural resources, including critical and rare earth minerals, protect our waters, and maintain the health of our ecosystems. STATEMAP mapping efforts continue to support the development of modern infrastructure, including highways, bridges, and pipelines in almost every State by providing

information necessary for land-use planning, as well as the exploration of aggregate resources and building materials. Additionally, as many STATEMAP projects occur on, over, or near Tribal Lands, the Program directly supports the fulfillment of the federal trust responsibility to Tribal Nations, supporting Tribal sovereignty and science needs by integrating Tribal input on geologic mapping proposed by State Geological Surveys. STATEMAP funding also helps to maintain strong geologic mapping programs and a steady workforce at geological surveys across the Nation.

B. STATEMAP Component of the NCGMP

The primary objective of the STATEMAP component of the NCGMP is to establish the geologic framework of areas determined to be vital to the economic, social, or scientific welfare of individual States and the Nation. The State Geologist/Survey Director/Chief Scientist (or similar position) shall determine mapping priorities in consultation with a multi-representational and multidiscipline State Mapping Advisory Committee (SMAC). These priorities shall be based on: (1) State requirements for geologic map information in areas of multiple issue need or areas of compelling single-issue need, and (2) State requirements for geologic map information in areas where mapping is required to solve critical earth science problems. Priorities are **not** dependent on past agreements with the USGS.

Also establishing the geologic framework of the nation is the NCGMP's U.S. GeoFramework Initiative (USGI), which is a collaborative effort that builds on the NGMDB Phase 3 Concept and works to: (1) construct a multi-resolution and seamless national 2D/3D geologic framework model, (2) leverage existing and new geologic mapping, and (3) provide new syntheses and enhanced databases to support scientific discovery and informed decision-making. In designing a national 2D/3D geologic framework model, it is necessary for the USGS to foster a comprehensive approach to planning, data management, workflow, and other elements (i.e., a standardized workflow for implementation). The USGI calls for an array of new deliverables that extend beyond the range of most historically-funded STATEMAP projects. The complexity of incorporating those new features is recognized in this FY2024 Program Announcement with continued emphasis on USGI deliverables and the needs they create.

C. STATEMAP Proposals

One proposal will be accepted from each State each fiscal year (FY), although proposals may contain any number of projects. Projects may contain one or multiple quadrangles and/or specific areas of interest that fit outside of a traditional quadrangle. Each project should: (1) be clearly defined and justified, (2) be organized around a credible issue or area to be mapped, and (3) respond to the FY24 STATEMAP Guidance Criteria listed below. A 1:1 Federal/State funding match is required for the total budget. A graphic or index map showing the project areas should be included in the body of the proposal. **The performance period for FY2024 STATEMAP Cooperative Agreements can be between 12 and 24 months**, and a completely new proposal subject to full review may be submitted each year. The STATEMAP Proposal Evaluation Panel will recommend a funding level for every proposal submitted in each FY cycle. The strength and quality of each proposal, as determined by the STATEMAP Proposal Evaluation Panel, will be considered in funding decisions. If full funding is not granted, an applicant is required to submit to the STATEMAP Program Officer and Grant Specialist a **revised form SF 424, a revised summary sheet (Attachment A), revised budget sheets, shapefiles**

outlining the revised project areas, and a Project Abstract Summary (Attachment B).

Revisions must be aligned with the proposed projects and amount recommended for funding by the NCGMP. Additionally, if the funding decision amount is less than the proposed award amount, **revisions MUST include a reduction in amount of work and/or deliverables proposed, unless States increase match to cover any work not supported with the final Federal Award.** For example, if the Award amount is 70% of what was requested, NCGMP expects a 70% reduction in deliverables and/or project scope. Alternatively, an applicant can decline to participate in the STATEMAP Program.

D. FY2024 Guidance Criteria for STATEMAP Geologic Map Products

Applicants must submit proposals for projects following **at least one** of the Guidance Criteria (GC) that follow **and must identify, on the proposal cover sheet, which of the following Guidance Criteria are being met with each project.** Proposed projects may include any combination of the following Guidance Criteria which fall under one of two Categories, as listed below:

Category 1: New, Detailed Mapping (GC 1 and 2; Maximum Request = \$500,000)

Guidance Criterion 1

Create and submit new geologic maps at a scale deemed appropriate for the geologic problem being addressed, typically at 1:24K to 1:100K scale, but not limited to this range. Completion of unfinished, non-STATEMAP funded maps may be conducted under this guidance criterion so long as new mapping activities occur. Draft geologic maps must be submitted as PDFs. A Geologic Map Schema (GeMS) Level 3 database of either (1) a previously published (within the past 5 years) map that has not been superseded or (2) a final version of the newly mapped product must be submitted with each new mapping product delivered (however, funding needed to complete and submit these required GeMS databases should be tagged as Guidance Criterion 5, Category 2).

Guidance Criterion 2

Create and submit derivative maps that augment any new mapping proposed or augment a previously produced, yet still relevant, geologic map product from any source. This may be done **only if** the derivative map provides additional value to a significant geologic problem. In all cases, the purpose of the derivative product should be adequately explained and the geologic map(s) on which it was based should be clearly identified. Each derivative map must be accompanied by a GeMS Level 3 database of either the final version of the new derivative map or a previously published (within the past 5 years) and not superseded map. Funding needed to complete and submit the GeMS database should be tagged under Guidance Criterion 5.

Category 2: Activities in Support of the U.S. GeoFramework Initiative (GC 3 – 13)

Guidance Criterion 3

Create and submit new subsurface geologic data based on previously published non-digital subsurface maps **and/or** on new 3D mapping/modeling. This includes the development of subsurface data sets

from previously published non-digital subsurface maps including digitization of structure contour and isopach data, digitization of cross section traces, and extraction of XYZ data from cross sections. Digitized contour maps should be submitted as citable (i.e., data are hosted on the web and have been peer reviewed) GeMS Level 3 geospatial databases, if possible. Grids or raster surfaces submitted as CSVs should, at a minimum, have the following described: projection, Z units, XY cell size, grid extent, identification or description of horizon being mapped, description of type and density of input data used to create the surface, some description of the interpolation used to create the surface, originator, contact information, and a URL/doi for the data if published and available. Data submitted should have accompanying FGDC-compliant metadata file. Acceptable subsurface geologic maps should focus on elevation and/or thickness of one or more units of regional significance.

Guidance Criterion 4

Develop geologic map **compilations** within the State (e.g., multiple counties or multiple 30'x60' quadrangles) at 1:100K to 1:500K. Gaps may exist in digital Statewide compilations. Compilations of surficial geology, Quaternary geology, bedrock geology, basement geology, or any combination thereof are acceptable. Compilations must meet the GeMS Level 3 standard, be internally reconciled, and be accompanied by a description of how the compilation was constructed. Funds for necessary field-checking to reconcile conflicts in geologic mapping can be requested to support the compilation process.

Guidance Criterion 5

Convert relevant **published** paper or digital maps (of any age, as long as they have not been superseded) to citable GeMS Level 3 geologic map databases (see <https://doi.org/10.3133/tm11B10> and <https://ngmdb.usgs.gov/Info/standards/GeMS/docs/GeMS-Submittal-Requirements.pdf>) and/or bring previously submitted non-GeMS Level 3 compliant databases (e.g., NCGMP09) to current GeMS Level 3 requirements. To be eligible for GeMS Level 3 conversion, source maps must have a Product Description Page (PDP) in the NGMDB and the PDP URL must be provided.

Guidance Criterion 6

Organize and submit via an NCGMP-provided template, geochronological sample data collected or generated within your State for inclusion in the USGS National Geochron Database, managed by the NGMDB. **Note that if your State previously received funds under this Guidance Criterion, you may only receive FY2024 funds to submit data not previously submitted.**

Guidance Criterion 7

Provide updates to the NGMDB Catalog, in accordance with NGMDB guidelines and format, for all published State maps and related reports not generated using STATEMAP funds. States may also request funds to update or correct existing NGMDB records, including the appropriate tagging of PDPs and other NGMDB content to enable discoverability within the Catalog.

Guidance Criterion 8

Develop the capacity to produce 3D maps and/or models of the subsurface, and/or develop the capacity to construct GeMS Level 3 databases. Funds may be used for training, workshop attendance, workflow development, and/or purchase of appropriate software.

Guidance Criterion 9

Create and submit digital geologic map information for geoheritage sites in your State. Data should be submitted as geospatial/GIS files, with attributes related to the scientific, educational, cultural, economic, and/or aesthetic features of the site(s). Reasoning for designation as a geoheritage site and societal significance must also be included for each site. No sites present in the National Park Service's National Natural Landmarks (see: <https://www.nps.gov/subjects/nnlandmarks/nation.htm>) and Type Section Inventory may be included.

Guidance Criterion 10

Inventory all publications in the NGMDB produced by your State that contain the Derogatory Term identified in Secretarial Order 3404 (see <https://www.doi.gov/sites/doi.gov/files/elips/documents/so-3404-508.pdf>), and those words previously identified by the Board on Geographic Names in 1963 and 1974 (see <https://www.usgs.gov/faqs/what-other-words-are-considered-derogatory-under-secretarys-order-3404-and-doi-derogatory>) that are deemed derogatory. Funds may also be used to **formally** re-name existing strata in your State that contain any of the above Derogatory Terms. Template for inventory will be provided by the NCGMP. **Note that if your State previously received funds under this Guidance Criterion, you may only receive FY2024 funds to formally rename existing strata.**

Guidance Criterion 11

Update the stratigraphic chart for your entire State or regions of significance within your State, and/or develop a Statewide or regional digital lexicon. The resulting deliverable should be an updated scientific chart and submitted as an update to the U.S. Geologic Names Lexicon (Geolex) in accordance with NGMDB Geolex update guidelines.

Guidance Criterion 12

Develop/update and submit a State Fact Sheet and/or status maps of the State's 2D and/or 3D seamless GIS-formatted mapping coverage at scales between 1:100K to 1:500K. A separate status map can be submitted for each scale. Status maps for surficial geology, Quaternary geology, bedrock geology, basement geology, or any combination thereof are acceptable. Status maps may include all mapping products by a State (e.g., mapping funded outside of STATEMAP), but STATEMAP products must be tagged. Submit to the NCGMP a PDF and geospatial/GIS files for each status map. State Fact Sheets must include a map of the State outlining all previously performed STATEMAP projects, along with a summary of STATEMAP geologic mapping in table format including columns with fiscal year, project(s)/deliverable(s), and funds spent/requested.

Guidance Criterion 13

Develop coordinated, parallel projects with neighboring States to collaboratively address any of the above Guidance Criteria. Funds may be used to coordinate and attend working group meetings/workshops related to proposed collaborative work. **The intention to propose this work must be listed on the proposals for each State involved.**

A total proposal request may not exceed \$800,000. Additionally, a maximum of \$500,000 may be requested for Category 1 activities; however, all GeMS databases should be tagged as Category 2 (GC 5). Proposed projects may include any combination of the Guidance Criteria listed above.

E. FY2024 Requirements for New Mapping Products

All new 2D map product deliverables funded by the FY2024 STATEMAP Program must be accompanied by a published GeMS Level 3 geologic map database with a Digital Object Identifier or similar URL. The associated published map must have an NGMDB PDP (or have been recently submitted to the NGMDB) and ideally published within the last 5 years. All submitted GeMS databases should be tagged as Guidance Criterion 5, therefore, the required submission of a GeMS database will not expend any of the \$500,000 that can be applied to new mapping.

All GeMS Level 3 databases must be submitted to the NGMDB using the GeMS Upload Form on the NGMDB's Connect website found at: <https://ngmdb.usgs.gov/connect/members/login/?next=/connect/gems/>. The GeMS website (see <https://ngmdb.usgs.gov/Info/standards/GeMS/>) provides resources and instructions on submitting GeMS databases using the GeMS Upload Form. Prior to submission, all GeMS Level 3 databases must be verified for compliancy using the validation and geologic names checking scripts provided by the NGMDB via the GeMS website; these scripts and related documentation (e.g., GeMS Checklist), as listed in *Requirements for Submitting GeMS-compliant map databases to the NGMDB* (see <https://ngmdb.usgs.gov/Info/standards/GeMS/docs/GeMS-Submittal-Requirements.pdf>), must be included in the submission.

If proposed projects will deliver new geologic maps and/or associated draft GeMS databases, these delivered draft maps must be published **no later than** one year after the end of the period of performance. Once published, geologic map deliverables must be submitted to the NGMDB.

Geologic mapping should be done at a scale deemed appropriate for the geologic problem being addressed. At minimum, a geologic map should include: (1) a clear and legible base (include base map credit and map projection), (2) scale and contour interval, (3) north arrow and magnetic declination, (4) title, authorship, publisher, and date, (5) location index map, (6) field data or field data stations, (7) description of map units, (8) explanation of map symbols, and (9) unit symbols on map. Although not required, a geologic map may also include correlation or sequence of map units, stratigraphic columns, cross sections, other down-hole or three-dimensional data, derivative maps, and text. Geologic maps in digital form also may contain a variety of point data for specific sites, essentially comprising a three-dimensional database. For cartographic elements, please use the Federal Geospatial Data Committee (FGDC) standard whenever feasible (see <https://ngmdb.usgs.gov/Info/standards/#CartoStd>). Metadata must comply with FGDC standards.

As you prepare your geologic maps, compare the stratigraphic nomenclature used on your map to Geolex (see <http://ngmdb.usgs.gov/Geolex/>). The GeMS geologic names checking script assists in identifying formal geologic names on the map that are in Geolex, which helps authors and the NGMDB with modifying nomenclature as needed. The script produces a spreadsheet in which the

author should provide details (e.g., relevant bibliographic citations for names that have been introduced, modified, or abandoned) on corrections or additions that should be considered for Geolex.

All non-GeMS deliverables must be uploaded to the NCGMP Management System Website (<https://my.usgs.gov/ncgmp/>). All GeMS Level 3 databases must be submitted directly to the NGMDB via the GeMS Upload Form found at this URL:

<https://ngmdb.usgs.gov/connect/members/login/?next=/connect/gems/>. An auto-generated email will be sent to users after uploading a GeMS database using the GeMS Upload Form. Submit a copy of this GeMS submission confirmation email (screenshot or printed PDF) along with other non-GeMS deliverables to the NCGMP Management System.

See <https://ngmdb.usgs.gov/Info/standards/GeMS/> for more information about the GeMS standard. Please see Attachment E for instructions on uploading deliverables. Any questions regarding the upload process can be addressed to the NCGMP STATEMAP Program Officer, Jenna Shelton (statemap@usgs.gov).

Geospatial Data Availability Requirements

All geospatial data collected for or produced through the use of the Department of the Interior financial assistance funds are required to meet all relevant standards established by the Federal Geospatial Data Committee (FGDC) as authorized by Geospatial Data Act of 2018, Pub. L. 115-254, Subtitle F – Geospatial Data, §§ 751-759C, codified at 43 U.S.C. §§ 2801– 2811. Interior requires fully compliant metadata on all Geographic Information Systems files developed for financial assistance projects. If a funded financial assistance project involves acquiring or collecting geospatial data, the recipient is required to search GeoPlatform.gov to determine that no existing Federal, State, local or private data meet the Government’s needs and are available at no cost before acquiring or collecting additional geospatial data.

2 CFR 1402.315 Availability of Data

- (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.

All deliverables that include geospatial data products must include appropriate metadata conforming to FGDC standards. FGDC standards can be found on <https://www.fgdc.gov/standards>.

PART II. Timetables, Eligibility, Format Instructions, and Proposal Evaluation

A. Timetables

Proposal Announcement Date: **September 18, 2023**

Closing Date and Time for Proposal Submission: **January 9, 2024 @ 3:00 p.m. (EST)**

B. Eligibility – Who May Submit a Proposal

Only State Geological Surveys are eligible to apply to the STATEMAP component of the NCGMP pursuant to the National Geologic Mapping Act (Public Law 117-58, Sec. 40202: “*National Cooperative Geologic Mapping Program*”). Because many State Geological Surveys are organized under a State university system, such universities may submit a proposal on behalf of the State Geological Survey.

State Geological Surveys must have a State Mapping Advisory Committee (or equivalent) that meets annually to qualify for funding. This committee shall advise the State Geological Survey on geologic mapping priorities within their State. A letter of support from the Chair of the State Mapping Advisory Committee must accompany the proposal (see Section C5 below for more details).

State Geological Surveys that have been funded previously under STATEMAP must follow requirements specified in previous STATEMAP awards and must have no outstanding deliverables (transmittal letter, geologic maps, and technical reports) due. Failure to meet previous award requirements will be grounds for ineligibility (see Attachment D, Section A.5 6) or penalty in the review process.

C. Proposal Format Instructions

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 should be combined and submitted as one Portable Document Format (PDF) file, provided in the order listed below.**

All proposals must include the following documents **in one PDF in this order:**

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 State 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/Indirect Cost 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”. This 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, that is exempt for individual program regulations that have restrictions regarding indirect costs. The program authority for STATEMAP 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/organization.**
5. Letter from the Chair of State Mapping Advisory Committee (SMAC). The letter should discuss state priorities, the long-term mapping plan, the process used to prioritize geologic mapping projects selected for the current proposal, and how the proposed mapping fits into the long-term mapping plans for the state. *The date of the committee meeting and a list of committee members who attended the meeting including their affiliations and expertise are also required. Attendance via virtual means is encouraged to increase representation.* This letter is NOT a summary of the proposed projects. SMAC letters should be limited to no more than four pages (not including the list of members). **Voting SMAC members must not be listed on any projects as personnel.**
6. STATEMAP Proposal Summary Sheet (Attachment A). Using the provided or similar format in Attachment A, submit a proposal summary sheet that includes project dates, proposed projects, **Guidance Criteria (1 through 13)** aligned with those proposed projects, deliverables, whether each proposed project/deliverable will include data collected on or near Tribal Lands (Y or N), funds requested per project (both federal and matched funds), and total funding requested. Please list funds requested and matched for each Category for each project. If the proposal includes any activities on or near Tribal Lands, data interpolated over Tribal Lands, or the generation of new data with potential impact to Tribal interests (e.g., ceded territory), States are required to identify this under each project included on Attachment A and provide additional details within the Proposal Technical Section. See Attachment F for guidance on conducting NCGMP-funded work on or near Tribal Lands. New in FY2024 is the requirement

to indicate on Attachment A whether any proposed digital data already exist in the geoplatform database (www.geoplatform.gov).

7. Statement of Outcome Letter. This should be a one-page letter from an organization or person that used a recently published STATEMAP product generated by your State. The letter must explain why the geologic map or product was critical to the success of their mission and include the bibliographic citation for the recently published STATEMAP product used.
8. Table of Contents.
9. Proposal Technical Section. The technical section of the proposal is limited to **25 single space pages, with no smaller than 11-point font size, and 1-inch margins**. Proposals shorter than 25 pages are encouraged if they contain sufficient content. The use of tables and charts for clarity and conciseness is encouraged. Figures must be labeled, of high quality, and easy to read. Please keep in mind that any figures/images included should be of sufficient resolution such that they are legible when your proposal is printed. References ARE NOT included in this 25-page limit. The technical section of your proposal includes the following:
 - a. Introduction. The introduction should include the relevance of the proposed projects to the State's long-range geologic mapping plan. It should give a clear and concise overview of the project objectives and societal and scientific problems to be addressed. A graphic showing how your long-range mapping plan and proposed deliverables may relate to population growth, transportation corridors, or some other societal need can be very helpful.
 - b. Location and Geologic Setting. **IF APPLICABLE**, a clear, readable map (with scale) showing the location of each project area should accompany the text. A separate generalized geologic map of your State may also be helpful. If the footprint of your proposed work is on or near Tribal lands, provide details: (1) whether or not physical access to Tribal Lands is required, (2) whether or not the proposed activity would include soil disturbance (e.g., sample collection) on or near Tribal Lands, and (3) details on State pre-coordination, request for access, or other communication with Tribes on the proposed project (if applicable).
 - c. Purpose and Justification. This section should answer a few simple, but important questions. Why are you proposing this work? Who are your customers? What are the fundamental scientific contributions? What benefits will society receive from the mapping? If geologic maps already produced nearby have been used by local or state agencies in making decisions, reporting on these outcomes is encouraged.
 - d. Strategy for Performing the Geologic Mapping. **IF APPLICABLE**, this section should emphasize how the geologic mapping will be accomplished, who will be mapping where, and for how long. Include logistics of how the geologic mapping will be accomplished. If drilling, sample collection, and/or other analyses are proposed, please include a justification

as to why these are included in the mapping strategy and how they will inform the proposed mapping. Provide an explanation for more expensive work, such as drilling or helicopter support. If a project is part of a multiyear effort, explain what will be completed for each year. This section should be consistent with the budget justification and budget itemization sections. NCGMP strongly encourages geologic mapping projects to be a team approach to promote safe field practices.

- e. Preliminary Results and Prior Work. If you or others have done any work in the proposed study area, including work not funded by STATEMAP, include a summary of findings or outcomes. This is not a list of prior STATEMAP work, but rather a summary of the current state of science and mapping in the proposed study area.
 - f. Deliverable Geologic Maps and/or Products. You must provide an explicit list of geologic maps and/or products that will be delivered at the end of the one- or two-year Cooperative Agreement period. If a deliverable is a partial quad, you must indicate exactly which section of the quad will be mapped and delivered. When PDF map graphics are submitted at the end of the period of performance, it is recognized that they may be in review, and not in final form; however, it is expected that a final, published version of the produced map be submitted to NCGMP **no later than one year after the Period of Performance ends**. All necessary map components must be included on the PDF map graphic (see Part I, section D). Note: It is expected that all map deliverables will reflect what you propose and what your budget requests. For example, if you request funding for the collection of new geochemical or geochronological data, your deliverables must include these data. **Additionally, please provide the NGMDB Product Description Page URL(s) for any published maps to be converted to GeMS Level 3 databases and submitted along with new mapping products (e.g., see Guidance Criterion 1).**
 - g. Project Personnel. Provide a table or list that includes information about the Principal Investigator, staff, and support positions (such as geologist, field assistant, or cartographer). Briefly discuss each person's role on the project so that it links to the budget and mapping strategy section. For each person give a brief statement of their background or vita and indicate whether the person works for your Survey or elsewhere (contractor or volunteer). To support changes in staffing, specific person's names do not need to be included if applicable; however, it is strongly suggested that names are included. Rather, job titles (e.g., Geologist) may be used in lieu of employee names. However, unfilled positions may not be used as match.
 - h. Budget explanation and justification. This section should explain and justify in detail your budget. It is important that you itemize your supplies, laboratory and drilling expenses, travel expenses, and any unusual costs in this section for the proposal evaluation panel over the proposed performance period. If travel to a conference is included, provide justification for this trip with proposed conference role.
10. 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:

- a. the types of data, samples, physical collections, software, curriculum materials, and other materials to be produced during the project;
- b. 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);
- c. policies for access and sharing including provisions for appropriate protection of privacy, confidentiality, security, intellectual property, or other rights or requirements;
- d. provisions for re-use, re-distribution, and the production of derivatives; and
- e. plans for archiving data, samples, and other research products, and for preservation of **free public access to them**.

An example template for data management plans is provided in Attachment F. Additional guidance on data management plans is available from the USGS Data Management web site here: <https://www.usgs.gov/data-management/data-management-plans>

Note: The DMP does not count towards the 25-page technical section limit.

11. **Budget sheets (Attachments C and D). Your proposal must include one budget sheet for the entire proposal (see Attachment C), and one budget sheet for each project (see Attachment D).** If only one project is proposed, only Attachment C (entire proposal budget sheet) is required. These attachments are only a formatting guide. You may create your own budget sheet with the same information. The financial contribution from a State Geological Survey must be equal to or greater than the amount requested from the USGS and must be derived from non-Federal sources. **All budget costs must be itemized and consistent with the strategy and budget justification sections.** If it is an expensive item, or a significant proportion of your proposal request, the Proposal Evaluation Panel will want to know its details. **NOTE: STATEMAP proposal budgets are not to exceed a Federal request of \$800,000.**

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 budgets shall contain the following:

Salaries and Wages. List names and/or positions and the rate-of-compensation for each person. Salaries or wages for student assistants (both undergraduates and graduate students) are an acceptable cost to the program. This should **only** include personnel actively involved in the proposed projects. The portion of staff time involved in, for example, digitizing, reviewing and map production (to open-file status) can be charged here. If senior management personnel do some of this actual work, include an explanation of their roles. Non-state survey staff working on the project should also be included if they are being supported by other state funding (see below under cost share). **The budget sheet should include the total time worked on the project(s) (in units of months, weeks, days, hours, or percentage of time), rate-of-compensation (dollars/hour for hourly employees, salary/year, or salary/month), and job title or role for each person. If contract employees are hired under a different category in the budget, their total time, rate-of-compensation, job titles, and roles should also be explained.** Unfilled positions should not be listed as a funding match.

Example Salary/Wage Budget Section

Employee	Job Title/Role	Compensation Rate	Units (mo, wk, hr, %)	Federal Cost	State Cost
Employee A OR Geologist	Geologist II	\$50,000/year	2 months	\$8,333	
Employee B OR GIS Specialist	Lead GIS Technologist	\$31.50/hour	240 hours		\$7,560

- a. 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. If you request fringe benefits and not indirect costs you still have to provide an indirect cost rate agreement or show how the fringe benefit rate(s) is calculated.
- b. Field Expenses. Itemize the estimated travel costs (i.e., number of people, number of travel days, per diem rate, mileage rate, airfare, transportation, and any other travel costs).
- c. Other Direct Cost Line Items to List.
 - i. Supplies. List costs for office, field, and laboratory supplies, including base maps, aerial photographs, petrographic thin sections, and other office and laboratory supplies. Itemize by including the number and cost for each item. Do not list a lump sum for each category; a breakdown needs to be provided to show how the costs were determined.

- ii. Equipment. List expendable equipment costs. Federal STATEMAP funds **are not** intended for the purchase of computer hardware, GPS, vehicles, or other nonexpendable property; please note that nonexpendable property is defined as having a functioning self-life of at least two years and a cost greater than \$5000. STATEMAP funds may, if necessary, be used for the purchase of software site licenses (e.g., software required for 3D modeling) that are used specifically for the completion of STATEMAP products, unless these costs are already covered in your fringe benefits. **Requests for software must be accompanied by a copy of an up-to-date cost quote from the software company and prorated for STATEMAP use only.**
- iii. Drilling. Itemize and describe drilling costs and rates.
- iv. Contractual services. Identify proposed contractors (individual or corporate) and provide the criteria by which contractors will be or have been selected. Provide breakdown of all costs. Please note that student contractors are acceptable.
- v. Data. If utilizing datasets like LiDAR or geophysics, you must show how this information will be used to enhance the proposed mapping or map product. If these datasets are used as a match, *make sure no Federal funds were used to collect the data*. Also, you must pro-rate the data cost for the area covered by the proposed map.
- vi. Conference/Workshop Travel. Travel expenses not to exceed \$6,000 are allowable for staff to attend scientific conferences/workshops or relevant training. The staff member(s) should be identified, and a detailed breakdown for all costs related to conference/workshop travel needs to be provided. Conference travel fund requests for contractors are prohibited. Note: travel expenses for SMAC meetings **are not** acceptable expenses. Travel related to Guidance Criterion 13 does not count towards this \$6,000 maximum.

d. Non-allowable Expenses

- i. Equipment and nonexpendable property. Federal STATEMAP funds **are not** intended for the purchase of computer hardware, GPS, vehicles, or other nonexpendable property, nor can these expenses be used as matching costs for Federal funds. Please note: nonexpendable property is defined as having a functioning self-life of at least two years **and** a cost greater than \$5000.
- ii. University or College Tuition. Federal STATEMAP funds **are not** intended to pay university or college tuition, nor can student university or college tuition be used as a matching cost for Federal funds. However, course fees are allowable

expenses (e.g., ESRI GIS course, R Software training, etc.) so long as their purpose is justified in the context of the proposed work.

- iii. Computer maintenance. Routine computer maintenance contracts and charges for computer time **are not** acceptable costs (these should be covered by indirect costs).
- iv. Printing. Federal STATEMAP funds **are not** intended for State printing of multicolored or quality black-and-white versions of geologic maps produced in the program, nor can the cost to a State for such printing be used as a matching cost for Federal funds.
- e. Total direct charges. (Items a - e) The total of the proposal (all projects combined) **MUST** show a 1:1 Federal/State match of direct charges.
- f. Indirect Charges. Show proposed rate and amount. Proposals must include a copy of the negotiated indirect cost rate agreement. Be sure that indirect charges apply only to those direct cost items allowable under the negotiated cost rate agreement. Usually, sub-contract direct costs are either excluded from indirect charges, or there is a cap on the amount of subcontract costs eligible for indirect charges. **NOTE: The 2022 Re-authorization of the National Geologic Mapping Act in the Infrastructure and Jobs Investment Act (Public Law 117-58, Sec. 40202: “National Cooperative Geologic Mapping Program”) states that the USGS and recipients of STATEMAP 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).**
- g. Matching Funds. Regardless of the State’s federally negotiated indirect cost rate, a State 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 State’s total direct costs may be used as a State match on the State’s indirect cost line. If a State chooses (or is required) to show a higher than 18% rate on the State’s indirect cost line it can be listed under “*uncollected indirect costs*” on the State’s side, the result will be a higher State budget total than the Federal budget total – **however, any “uncollected indirect costs” cannot be claimed as additional State match.** If the State’s approved rate is less than 18%, the approved rate must be used. Please read the statement below carefully to fully understand the matching requirements. This also applies to subcontracts. If you have a sub-award issued for a portion of your project the same rules apply regarding the 18% cap for indirect costs on the federal side.

NOTICE OF MATCH AMOUNT - Please note that in accordance with this Program Announcement a 1:1 match is required. If you, the recipient, choose to provide an over match exceeding the 1:1 match requirement it is at your discretion but by doing so you will be held to meet that match amount referenced in your application. A modification

will not be issued to reduce the match amount. An increased match does not increase your chances of award.

The following is a summary of what is required regarding the 1:1 match:

- i. A 1:1 Federal/State match is required for TOTAL DIRECT CHARGES on the entire proposal budget (all projects combined)
- ii. A 1:1 Federal/State match is required for the GRAND TOTAL (this includes direct costs and indirect cost – all projects combined)

PLEASE NOTE THAT THE ABOVE COST CATEGORIES MUST BE BROKEN DOWN AS DESCRIBED ABOVE ON THE BUDGET SHEETS.

12. Bibliography for the National Geologic Map Database (NGMDB). For all published maps and reports for which STATEMAP funding was received since the end of your last Period of Performance, provide the specified bibliographic information for all items submitted to the NGMDB. In your proposal, indicate that this has been or has not been accomplished, state the number of publication citations submitted to the NGMDB in the past year, and provide the links to the Product Description Pages for these products in the NGMDB.

D. Proposal Evaluation

STATEMAP proposals will be reviewed by a seven (7) member peer panel. Four (4) members will be State Geologists/Survey Directors/Chief Scientists (or similar position) selected by the Association of American State Geologists (one from each region and one at large). Three (3) members will be USGS geologists representing different regions. The STATEMAP Administrative Officer and the STATEMAP Program Officer will act as Chairs and will choose the three USGS members.

Evaluation Criteria. All proposals will be considered in accordance with the criteria listed below. The evaluated strength and quality of proposals will be considered in making funding decisions. Panel feedback will be provided to PIs in the decision letters.

NOTE: To avoid any **conflict of interest**, no panelist may review and score a proposal from their State Geological Survey or State agency, nor may any panelist take part in any discussion with other panel members about their State's proposal. Additionally, no panelist may review and score a proposal from which their State Geological Survey or State Agency is collaborating; nor may any panelist take part in any discussion with other panel members about collaborating State's proposal(s).

NOTE: Letters of support other than those required* will not be reviewed by the Panel.

State Mapping Advisory Committee (5 points).

- a. Is the committee broad based and balanced? Are multiple disciplines represented on the SMAC (e.g., hazards, energy, hydrology) as outlined by member's expertise?

- b. Is a letter from the committee chair included?
- c. Does the letter explain both the State's mapping priorities, the process by which priorities were reached, and the long-term mapping plan? **Please note that the SMAC Letter does not need to address activities proposed under Category 2.**
- d. Are the names, affiliations, and expertise of each committee member listed?

Purpose and Impact of geologic mapping or other proposed products (25 points).

- a. How well does the proposal relate to the State Geological Survey's intermediate to long-term plan?
- b. How well does the proposed project(s) respond to societal or customer needs?
- c. How well does the proposed project(s) address Secretarial priorities, and the goals of the National Geologic Mapping Act?
- d. Is a 'Statement of Outcome' provided? Does it show how one of your state's recently published STATEMAP products was used by another organization or person? Is a letter from this organization or person included that states the impact or benefit of the geologic map or how it was a critical component of their decision-making process?
- e. If relevant, how well do any proposed Category Two activities relate to the USGS U.S. GeoFramework Initiative?

Technical Quality of the Proposal (30 points).

- a. Does the proposed work respond to one or more of the STATEMAP Guidance Criteria?
- b. Is the proposal well-written and concise? Is the proposal complete and include all required components? Does it adhere to the required format?
- c. How well does the proposal demonstrate the scientific and technical viability of the proposed objectives?
- d. Do the deliverables for each project adequately relate to the proposed project?
- e. Does the proposal stress relevant and new scientific contributions?

Budget Clarity and Justification (20 points).

- a. Does the overall budget have a 1:1 match of Federal and State funds?
- b. Does the budget clearly show each employee by name/position, salary rate, and length of time employed on each project?
- c. Is the proposed staff sufficient to accomplish the proposed goals?
- d. Are all field expenses, supplies, and other expenses reasonable and adequately itemized?
- e. Are all items included as direct cost appropriate?
- f. Are contract employees clearly distinguished from those already on the State Geological Survey payroll?

**Map Publications or other products from previous STATEMAP Cooperative Agreements (20 points).

- a. What is the quality of the map/product (e.g., GeMS Database) and does it include the components necessary to convey the geology of the quadrangle or mapped area/objective? (see Part I, section D and Part II, section 9.f.)
- b. Have all deliverables been submitted in a timely fashion?

c. Has the State Survey updated the NGMDB or Geolex (as appropriate)?

*Required letters of support include the SMAC letter, letter supporting Statement of Outcome, and letters of commitment from volunteers or in-kind services where necessary.

**If your State Geological Survey has received prior STATEMAP support, the NCGMP Office will judiciously select from the NGMDB Catalog a recent, published geologic map or other product (e.g., submitted GeMS Database) from your State to represent the quality of your work as an example for the STATEMAP Proposal Evaluation Panel. Through the NGMDB Catalog record for the selected map, the Panel will access all related content (e.g., text pamphlets or reports); that information will be found through links to your publication pages that you provided in previous submissions to the NGMDB.

PART III. Proposal Delivery and Submission Instructions

Applicants are held responsible for the proposal to be electronically submitted to GRANTS.GOV (www.grants.gov) by Tuesday, January 9, 2024 @ 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 in the upper right section 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. If you are affiliated with a university, contact your Office of Sponsored Programs as they may already have completed the registration process and should work with you to submit the application.

Please allow sufficient time for the proposal to be submitted electronically and allow time for possible computer delays. It is strongly advised not to wait until the last minute for submission. **A proposal received after the closing date and time will not be considered for award.** If it is determined that a proposal will not be considered due to lateness, the applicant will be notified immediately.

All Federal grant programs are required to use GRANTS.GOV to advertise program announcements. Any form that is not available online may be submitted as attachments at the end of the proposal through the online application process.

PART IV. General Provisions

A. General Provisions of the National Cooperative Geologic Mapping Program

By accepting Federal assistance, your organization agrees to abide by the provisions of the National Cooperative Geologic Mapping Program, namely Infrastructure and Jobs Investment Act of 2022, Public Law 117-58, Sec. 40202: “*National Cooperative Geologic Mapping Program*” (<http://ncgmp.usgs.gov/>), and OMB Circular A-16 “Coordination of Surveying, Mapping and Related Spatial Data Activities” https://obamawhitehouse.archives.gov/omb/circulars_a016_rev/.

Additionally, by accepting Federal assistance, you are required to determine if and report when proposed activities will occur on or near Federally recognized Tribal land, and/or when a new data product is proposed that will cover any portion of Tribal lands. See Attachment F for guidance on conducting NCGMP-funded work on or near Tribal lands.

B. Office of Management and Budget (OMB) Circulars

By accepting Federal assistance, your organization agrees to abide by the applicable OMB Circulars in the expenditure of Federal funds and performance under this program. Copies of these Circulars can be obtained from the Internet at: <https://www.whitehouse.gov/omb/information-for-agencies/circulars/>.

1. 2 CFR Part 200, *Uniform Administrative Requirements, Cost Principles and Audit Requirements for Federal Awards*, as implemented by the Department of the Interior in 2 CFR Part 1402 and 43 CFR Part 12.

C. Publication

1. Publication or open-file release of the results of any project carried out under this assistance award is authorized in map or publication “series” of State Geological Surveys, so long as proprietary, sensitive, and/or protected data is not included in the publication. Publication includes conventional format in paper or electronic format as digital files. Maps or manuscripts submitted to journals, professional organizations, or commercial firms, for publication shall be accompanied by the following notation:

“This map and explanatory information (or manuscript) is submitted for publication with the understanding that the United States Government is authorized to reproduce and distribute reprints for governmental use.”

Regarding data collected on or over Tribal lands, related publications should be protected and sanitized as necessary to safeguard and prevent from release any data that a Tribe has identified as proprietary or culturally sensitive. Data acquired concerning federally recognized tribal lands may not be published by a State or by USGS if a Tribe deems the data/findings as sensitive or protected, and objects in writing to its public release. All other project area data outside of sensitive, protected information Tribal land boundaries may be published. The USGS may use restricted data internally and/or provide a copy of the restricted data to federal agencies for their internal use.

2. Program Credit. All geologic maps and manuscripts resulting from any project carried out under this assistance award resulting wholly or in part from the cooperative agreement shall bear a cooperative statement in the map header, on the title page of an accompanying explanatory text, and in the acknowledgments that accompany the map or any resulting report/manuscript. This credit shall read:

“This geologic map (or report) was funded in part by the USGS National Cooperative Geologic Mapping Program under STATEMAP award number GXXACXXXXX, 20XX.”
[Include award number and year funded]

3. Disclaimer. All maps and explanatory text or reports submitted for publication by professional societies or commercial firms shall carry the following notation:

“The views and conclusions contained in this document are those of the authors and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the U.S. Government.”

4. Publication information (e.g., the citation and links to the publication) should be entered into the NGMDB’s Geoscience Map Catalog. Instructions regarding how to do this are found at the NGMDB “partners” page (<http://ngmdb.usgs.gov/Info/partners.html>). You are strongly encouraged to also submit to the NGMDB this same information for all relevant maps and reports that were not STATEMAP-funded, in order to help USGS and AASG address the vision for the NGMDB as written in the Act.

D. Funding

1. The STATEMAP Program is required by statute (Public Law 117-58, Sec. 40202: “*National Cooperative Geologic Mapping Program*”) to be carried out on a 1:1 matching basis; each recipient must match each Federal dollar with a non-Federal dollar (direct and indirect costs). The non-Federal share may be contributions of services or cash provided to contractors to perform geologic mapping or other services directly applicable to proposed work on the project. The specific source(s) of the State contribution, such as State legislative appropriation, must be provided in the proposal. The 1:1 ratio, however, does not prevent States from securing additional funds from other tax-supported entities to increase the level of work that is accomplished in a region. The Program encourages multiple partnerships, as they enhance the production of geologic maps. A letter or item of evidence should be included with the proposal to support other non-state-survey funds. Federal regulations prohibit the matching of Federal funds with other Federal funds. Consequently, third-party funding arrangements, though encouraged, should be viewed as adding additional activities that are accounted for separately from the USGS-State-matching funds agreement.
2. Non-state-survey "appropriate" State cost share requires at least three basic pieces of documentation: (1) a letter or other official piece of paper from the proposed source of the non-state-survey cost share clearly committing to the cost share and, as specifically as possible, identifying the exact nature of the share (i.e., timing, dollars, equipment, services, personnel, etc.); (2) specific information in the Strategy for Performing the Geologic Mapping section that links the non-state-survey cost share directly and convincingly to the proposed geologic mapping activities; (3) specific information in the budget materials that shows how the non-state-survey cost share will match Federal dollars, category-by-category, and in sufficient detail to corroborate the descriptive material in the Strategy section. Actual or apparent costs caused

by the required indirect (overhead) rate (18% total costs) being less than the State Survey's negotiated cost agreement are NOT a permissible cost share contribution.

3. Performance of projects funded by this Program will conform to OMB Circular A-16 (revised). As noted in that circular, use of USGS funds for the purchase of non-expendable equipment will not be authorized.
4. Funds for the NCGMP and in turn, STATEMAP awards, will not be available until enactment of the Department of the Interior Appropriations for a given Fiscal Year. **Since it is anticipated that awards will not be announced until after February 15, 2024, proposed project start dates should not begin prior to May 1, 2024.** NOTE: An award issued by the USGS Office of Acquisition and Grants is required for the State agency to obligate USGS funds. Notification of a successful proposal does not constitute authority to incur costs funded by USGS money. Costs may be incurred only after the receipt of an award issued electronically through GrantSolutions from the USGS.
5. Requests for no-cost extensions shall be sent to the STATEMAP Program Officer for consideration no later than 30 days prior to the Award end date. After discussion with the STATEMAP Administrative Officer, the Grant Specialist/Contracting Officer will make a final decision on a case-by-case basis and notify the Recipient in writing. If a State requests a no-cost extension, it cannot extend past a date 30 days in advance of the STATEMAP Proposal Evaluation Panel meeting for the *next* funding cycle (**typically close to January 15 of the next year**) without impacting the score of a future proposal. However, if a no cost extension is requested beyond January 15th of the next calendar year, your next STATEMAP proposal will be penalized for tardiness.

-- END OF PROGRAM ANNOUNCEMENT--

Attachment A

USE THE FOLLOWING FORMAT

STATEMAP PROPOSAL SUMMARY SHEET

Name of State Geological Survey:

Principal Investigator(s) (person(s) we can call to ask questions if needed):

Name:

Address:

Phone:

Email:

Project Deliverables (please include list of quadrangles and partial quadrangles if appropriate):

Project 1 Title: Guidance Criteria #(s): Category 1 Request: Category 2 Request: Federal Request & State Match: Deliverables: Mapping on Tribal Lands (Y/N): Present in Geoplatform (Y/N):	
Project 2 Title: Guidance Criteria #(s): Category 1 Request: Category 2 Request: Federal Request & State Match: Deliverables: Mapping on Tribal Lands (Y/N): Present in Geoplatform (Y/N):	
Project 3 Title: Guidance Criteria #(s): Category 1 Request: Category 2 Request: Federal Request & State Match: Deliverables: Mapping on Tribal Lands (Y/N): Present in Geoplatform (Y/N):	

Start date:

End date:

Total Federal Funds Requested:

\$ _____

Total Matching Funds:

\$ _____

Attachment B

USE THE FOLLOWING FORMAT

STATEMAP PROJECT ABSTRACT SUMMARY

Note: Project Abstract Summary character limit is 1 page or less (no more than ~4000 characters) and use of 12 pt. font and Times New Roman is recommended. Project Abstract Summary is to be submitted with Proposal Revisions. If revisions are not required, Project Abstract Summary should be submitted after notification of Award amount.

Purpose

(Include a plain language description of Award purpose (avoid acronyms or Federal or agency-specific terminology))

Activities

(Describe Activities to be performed under proposed project)

Deliverables and Outcomes

(List proposed project deliverables and the expected outcomes of this work)

Intended Beneficiary(ies)

(Detail communities, agencies, priorities, etc. that will benefit from the expected outcomes and include any Subrecipient activities (e.g., sub-contractors), if known)

Attachment C

USE THE FOLLOWING FORMAT

BUDGET SHEET FOR ENTIRE PROPOSAL

State: _____

Proposal Short Title: _____

Budget Category	Federal Funding "Requested"	Matching Funds "Proposed"
SALARIES:		
Survey Staff	\$	\$
	\$	\$
	\$	\$
	\$	\$
	\$	\$
Contract Staff	\$	\$
	\$	\$
	\$	\$
(provide salary rate & time for each)	\$	\$
	\$	\$
Total Salaries:	\$	\$
FRINGE BENEFITS:		
Survey Staff	\$	\$
	\$	\$
	\$	\$
	\$	\$
	\$	\$
Contract Staff	\$	\$
	\$	\$
	\$	\$
	\$	\$
	\$	\$
Total Fringe Benefits:	\$	\$

Attachment C

USE THE FOLLOWING FORMAT

BUDGET SHEET FOR ENTIRE PROPOSAL

State: _____

Proposal Short Title: _____

Budget Category	Federal Funding "Requested"	Matching Funds "Proposed"
FIELD EXPENSES:		
Per Diem	\$	\$
Lodging Cost	\$	\$
Vehicle Cost	\$	\$
Mileage	\$	\$
	\$	\$
(provide number & rate for each)	\$	\$
	\$	\$
MISCELLANEOUS SUPPLIES:		
Office and Laboratory Supplies	\$	\$
(itemize)		
Drilling	\$	\$
Map Digitizing Costs	\$	\$
	\$	\$
	\$	\$
	\$	\$
(breakdown the above costs)	\$	\$
	\$	\$
	\$	\$
	\$	\$
	\$	\$
Total Direct Costs:	\$	\$
Indirect Cost (___%) *	\$	\$
GRAND TOTAL:	\$	\$
Uncollected Indirect Costs (if applicable)	\$ -----	\$

* Not to exceed 18%

Attachment D

USE THE FOLLOWING FORMAT

BUDGET SHEET FOR INDIVIDUAL PROJECT

State: _____

Proposal Short Title: _____

Individual Project Title: _____

Budget Category	Federal Funding "Requested"	Matching Funds "Proposed"
SALARIES:		
Survey Staff	\$	\$
	\$	\$
	\$	\$
	\$	\$
	\$	\$
Contract Staff	\$	\$
	\$	\$
	\$	\$
(provide salary rate & time for each)	\$	\$
	\$	\$
Total Salaries:	\$	\$
FRINGE BENEFITS:		
Survey Staff	\$	\$
	\$	\$
	\$	\$
	\$	\$
	\$	\$
Contract Staff	\$	\$
	\$	\$
	\$	\$
	\$	\$
	\$	\$
Total Fringe Benefits:	\$	\$

Attachment D

USE THE FOLLOWING FORMAT

BUDGET SHEET FOR INDIVIDUAL PROJECT

State: _____

Proposal Short Title: _____

Individual Project Title: _____

Budget Category	Federal Funding "Requested"	Matching Funds "Proposed"
FIELD EXPENSES:		
Per Diem	\$	\$
Lodging Cost	\$	\$
Vehicle Cost	\$	\$
Mileage	\$	\$
	\$	\$
(provide number & rate for each)	\$	\$
	\$	\$
MISCELLANEOUS SUPPLIES:		
Office and Laboratory Supplies (itemize)	\$	\$
Drilling	\$	\$
Map Digitizing Costs	\$	\$
	\$	\$
	\$	\$
	\$	\$
(breakdown the above costs)	\$	\$
	\$	\$
	\$	\$
	\$	\$
Total Direct Costs:	\$	\$
Indirect Cost (___%) *	\$	\$
GRAND TOTAL:	\$	\$
Uncollected Indirect Costs (if applicable)	\$ -----	\$

* Not to exceed 18%

Attachment E

SPECIAL TERMS AND CONDITIONS

SECTION A – ASSISTANCE ADMINISTRATION DATA AND DELIVERABLES

A.1. Cooperative Agreement Administration

This cooperative agreement will be administered by:

U.S. Geological Survey
Office of Acquisition and Grants
Amber Brazil, Grants Specialist
12201 Sunrise Valley Drive, MS 205
Reston, VA 20192
Telephone (703) 648-7477
Email: abrazil@usgs.gov

Written communication shall refer to the Cooperative Agreement number and shall be mailed to the address above or email to abrazil@usgs.gov.

A.2. Consideration

1. The recipient's proposal as identified on Page 1, Block 10 is incorporated by reference. The total estimated cost of the USGS share for the performance of this cooperative agreement is the total amount indicated in Block 13. Costs hereunder shall in no event exceed that amount without prior written approval of the Contracting Officer.
2. Prior approval of the Grant Specialist/Contracting Officer is not required for transfer of funds between direct cost categories when the cumulative amount of the transfers during the performance period does not exceed ten (10) percent of the total USGS cash award. Prior written approval is required from the Grant Specialist/Contracting Officer for transfers more than the ten (10) percent limitation.

A.3. Payment

Payments under financial assistance awards must be made using the Department of the Treasury Automated Standard Application for Payments (ASAP) system (www.asap.gov).

1. The Recipient agrees that it has established or will establish an account with ASAP. USGS will initiate enrollment in ASAP. If the Recipient does not currently have an ASAP account, they must designate an individual (name, title, address, phone, and e-mail) who will serve as the Point of Contact (POC).
2. With the award of each grant/cooperative agreement, a sub-account will be set up from which the Recipient can draw down funds. After recipient completes enrollment in ASAP and links their banking information to the USGS ALC (14080001), it may take up to 10 days for sub-accounts to be activated and for funds to be authorized for drawdown in ASAP.
3. Inquiries regarding payment should be directed to ASAP at (855) 868-0151.

A.4. Definitions

1. Grant Agreement

A grant agreement is the legal instrument reflecting a relationship between the Federal Government and a state or local government or another recipient whenever:

- a. the principal purpose of the relationship is the transfer of money, property, services, or anything of value to the state or local government or other recipient in order to accomplish a public purpose of support or stimulation authorized by Federal statute, rather than acquisition, by purchase, lease, or barter, of property or services for the direct benefit or use of the Federal Government; and
- b. no substantial involvement is anticipated between the executive agency, acting for the Federal Government, and the state or local government or other recipient during performance of the contemplated activity.

2. Cooperative Agreement

A cooperative agreement is the legal instrument reflecting a relationship between the Federal Government and a state or local government or another recipient whenever:

- a. the principal purpose of the relationship is the transfer of money, property, services, or anything of value to the state or local government or other recipient to accomplish a public purpose of support, or stimulation authorized by Federal statute, rather than acquisition, by purchase, lease, or barter, of property or services for the direct benefit or use of the Federal Government; and
- b. substantial involvement is anticipated between the executive agency, acting for the Federal Government, and state or local government or other recipient during performance of the activity.

3. Grantee/Cooperator

Grantee or cooperator means the nonprofit corporation or other legal entity to which a grant or cooperative agreement is awarded, and which is accountable to the Federal Government for the use of the funds provided. The grantee or cooperator is the entire legal entity even if only a particular component of the entity is designated in the award document. For example, a grant or cooperative agreement award document may name as the grantee one school or campus of a university. In this case, the granting agency usually intends, or requires, that the named component assume primary or sole responsibility for administering the grant-assisted project or program. Nevertheless, the naming of a component of a legal entity as the grantee or cooperator in a grant or cooperative agreement award document shall not be construed as relieving the whole legal entity from accountability to the Federal Government for the use of the funds provided.

The term “grantee” or “cooperator” does not include secondary recipients such as sub grantees, contractors, etc., who may receive funds from a grantee pursuant to a grant.

4. Recipient

Recipient means grantee or cooperator.

5. Principal Investigator

The Principal Investigator is the individual designated by the Recipient (and approved by the USGS) who is responsible for the technical direction of the research project. The Principal Investigator cannot be changed or become substantially less involved than was indicated in the Recipient's proposal, without the prior written approval of the Contracting Officer.

6. STATEMAP Program Officer

- a. The STATEMAP Program Officer will work closely with the Principal Investigator to ensure that all technical requirements are being met. The Program Officer's responsibilities include, but are not limited to, providing technical advice on the accomplishment of the proposal's objectives; reviewing the technical content of reports and the other information delivered to the USGS; determining the adequacy of technical reports; and conducting site visits, in coordination with the STATEMAP Administrative Officer, Regional Coordinator, Deputy Chief for External Research, and the Contracting Officer, as frequently as practicable.
- b. The STATEMAP Program Officer is **Jenna Shelton, U.S. Geological Survey, 12201 Sunrise Valley Drive, Reston VA 20192** (jshelton@usgs.gov; STATEMAP@usgs.gov; (571) 512-1641). The STATEMAP Program Officer does not have the authority to issue any technical direction which constitutes an assignment of additional work outside the scope of the award; in any manner cause a change in the total cost or the time required for performance of the award; or change any of the terms, conditions, or general provisions of

the award.

7. STATEMAP Administrative Officer

- a. The STATEMAP Administrative Officer will work closely with the Principal Investigator and STATEMAP Program Officer to ensure that all administrative requirements are being met. The Administrative Officer's responsibilities include, but are not limited to, providing administrative guidance on proposals and projects, reviewing the content of reports and the other information delivered to the USGS; determining the adequacy of reports; and conducting site visits, in coordination with the STATEMAP Program Officer, Regional Coordinator, Deputy Chief for External Research, and the Contracting Officer, as frequently as practicable.
- b. The STATEMAP Administrative Officer is **Mike Marketti, U.S. Geological Survey, 12201 Sunrise Valley Drive, Reston VA 20192 (mmarketti@usgs.gov; (703) 648-6976)**. The STATEMAP Administrative Officer does not have the authority to issue any technical direction which constitutes an assignment of additional work outside the scope of the award; in any manner cause a change in the total cost or the time required for performance of the award; or change any of the terms, conditions, or general provisions of the award.

8. Contracting Officer (CO)

Contracting Officers are individuals who have been delegated in writing by the USGS Office of Acquisition and Grants as the sole authority designated to obligate Federal funds and create terms and conditions of awards. They are the only individuals who have authority to negotiate, enter, and administer awards resulting for this program. Contracting Officers have responsibility to ensure the effective use of Federal funds.

Functions of the Contracting Officer include but are not limited to:

- a. Issuing the grant/cooperative agreement program announcement in coordination with the program officer.
- b. Receiving grant/cooperative agreement proposals and related documents in response to a program announcement. The Grant Specialist as receiving official shall mark all proposals with a control number.
- c. Approving the program manager's Technical Evaluation Plan, which describes in detail the evaluation process for a competitive grant/cooperative agreement program. The Contracting Officer/Grant Specialist shall ensure the openness and fairness of the evaluation and selection process.
- d. Serving in an advisory capacity at peer review panel meetings. They shall interpret grant/cooperative agreement management policies to panel members.
- e. Negotiating, as necessary, the final grant/cooperative agreement budget.

- f. Issuing grant/cooperative agreement awards and revisions to awards.
- g. Receiving all requests for changes to an award. The Grant Specialist/Contracting Officer shall serve as the mandatory control point for all official communications with the grantee which may result in changing the amount of the grant/cooperative agreement, the grant/cooperative agreement budget, or any other terms and conditions of the award.
- h. Receiving financial reports required by the terms and conditions of the award.
- i. Closing out grant/cooperative agreement awards when all applicable award requirements have been complied with.

A.5. Reporting Requirements

1. Required reports/documents. The Recipient shall submit the following reports/documents:

Report/Document	Submit To	Due Date
1. Transmittal Letter, Maps, non-map deliverables, plus accompanying technical report	NCGMP Management System	On or before the last day of the 12 to 24-month project period.
2. Transmittal Letter	Grant Specialist, see Section A.1 of terms & conditions	On or before the last day of the 12 to 24-month project period.
3. SF 425- Federal Financial Report	Electronically through GrantSolutions or via email to Grant Specialist (A.1)	SEE SECTION A.5(2&3) BELOW
4. *Publications	Project Lead, National Geologic Map Database	Immediately following publication.

* Publication means any book, report, photograph, map, chart, or recording published or disseminated to the scientific community.

2. Annual Financial Reports

a. The Recipient will submit an annual SF 425, Federal Financial Report, for each individual USGS award. The SF 425 is available at <https://www.grants.gov/forms/post-award-reporting-forms.html>. The SF 425 will be due in accordance with the following schedule. USGS acknowledges that this annual reporting schedule may not always correspond with a specific budget period.

Award Performance Start Date	Annual Interim Report End Date (year following start date)	Annual Interim Report Due Date (90 days after report end date)
January 1- March 31	March 31	June 30
April 1- June 30	June 30	September 30
July 1- September 30	September 30	December 31

October 1 – December 31	December 31	March 31
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b. The SF 425 must be submitted electronically through the GrantSolutions Message Center or, if GrantSolutions is not available, by e-mail to SF425@usgs.gov with a cc to the Contracting Officer. Recipient must include the USGS award number in the subject line of all correspondence. If, after 90 days, Recipient has not submitted a report, the Recipient's account in ASAP will be placed in a manual review status until the report is submitted.

3. Final Financial Report

a. The Recipient will liquidate all obligations incurred under the award and submit a final SF 425, Federal Financial Report in accordance with C.3.b. no later than 90 calendar days after the Agreement completion date.

b. Recipient will promptly return any unexpended federal cash advances or will complete a final draw from ASAP to obtain any remaining amounts due. Once 120 days has passed since the Agreement completion date, USGS shall unilaterally de-obligate federal funds as reflected in the Final SF 425.

c. Subsequent revision to the final SF 425 will be considered only as follows:

- i. When the revision results in a balance due to the Government, the Recipient must submit a revised final SF 425, Federal Financial Report, and refund the excess payment whenever the overcharge is discovered, no matter how long the lapse of time since the original due date of the report.
- ii. When the revision represents additional reimbursable costs claimed by the Recipient, a revised final SF 425 may be submitted to the USGS Contracting Officer with an explanation. If approved, the USGS will either request and pay a final invoice or reestablish the ASAP subaccount to permit the Recipient to make a revised final draw. Any revised final report representing additional reimbursable amounts must be submitted no later than 1 year from the due date of the original report, i.e., 15 months following the Agreement completion date. USGS will not accept any revised SF 425 covering additional expenditures after that date and will return any late request for additional payment to the Recipient.

4. Report preparation instructions. If submitting a two-year proposal, a progress report after 12 months of the 24-month duration of the Cooperative Agreement is now required. The following items are required:

- a. A cover page containing the award number, Recipient's name, Principal Investigator's name

- b. A no longer than two-page single-spaced on 8 ½ inch by 11-inch paper narrative describing the features below:
 - i) Status of new geologic mapping or any compilations
 - ii) Actions taken towards any proposed training
 - iii) Meetings attended or planned
 - iv) Any updated delivery dates for deliverables
 - v) Potential challenges or adversity in accomplishing the Cooperative Agreement
 - vi) Changes in personnel
 - c. The **final technical report** is due at the end of the performance period (12 or 24 months). The technical report should be no less than 3 single-spaced on 8 ½ -inch by 11-inch pages and include the following:
 - i) A cover page containing the award number, Recipient's name, Principal Investigator's name and title of the Recipient's application.
 - ii) An abstract that summarizes the observations and conclusions of the report.
 - iii) A main body that documents and summarizes the results of the recipient's work over the 12-month project period. The report shall include an adequate but brief description of activities and overall progress which summarizes the results of the entire award. The final report may include tables, graphs, diagrams, sketches, etc., as required to explain the results achieved under the award. The report may also include recommendations and conclusions based upon both the experience and the results obtained.
 - iv) A bibliography of all publications resulting from the work performed during the 12-month period. Copies of the publications are required if the Recipient has not previously submitted them to the STATEMAP Program Officer.
 - v) Publication of the results of any project carried out under this assistance award is authorized in professional journals, trade magazines, or may be made by the USGS. One copy of each article planned for publication shall be submitted to the Program Officer simultaneously with its submission for publication. One reprint of each published article shall be submitted to the Program Officer immediately following publication. **Proper acknowledgment and disclaimers as defined in Part IV, Section C of this Program Announcement shall accompany all publications.**
5. Maps/Products. One copy of each map/product with all accompanying explanatory information shall be electronically submitted to the NCGMP Management System by the end of the cooperative agreement's end date, and, subsequently, the updated map/product shall be sent when published (if applicable). Instructions on electronic delivery are provided in Attachment E. Publication of maps shall follow guidelines in Part IV, Section C of this Program Announcement.
6. Transmittal Letter. A transmittal letter shall also accompany deliverables. The letter should identify the award number, Recipient's name, Principal Investigator's name, title of the

Recipient's application, and a description of the map being submitted. A **copy** of the transmittal letter shall be sent to the Grant Specialist (abrazil@usgs.gov) identified in Section 1 on page 1 of the terms and conditions.

7. Adherence to reporting requirements

A Recipient's failure to submit the required reports/documents, in a timely manner, may result in withholding of payment, termination of the award, or delay or non-issuance of new awards.

A.6. Adherence to Original Research Objectives and Budget Estimates

Any commitments or expenditures incurred by the Recipient more than the funds provided by this award shall be the responsibility of the Recipient. Expenditures incurred prior to the effective date of this award cannot be charged against award funds unless provided for in this award.

The following requests for change require advance written approval by the issuing office at the address on page two of your award. Your request must be submitted directly to the STATEMAP Program Officer (statemap@usgs.gov) **at least 30 calendar days** prior to the requested effective date of the change or prior to the expiration date of the award:

- a. Changes in the scope, objective, or key personnel referenced in the Recipient's proposal.
- b. Transfer of funds between direct cost categories when the cumulative amount of transfers during the project period exceeds 10 percent of the total award.
- c. Acquisition of nonexpendable personal property (equipment) not approved at time of award.
- d. Change in the project period. The Recipient shall include in the request the cause of the needed extension, a description of the remaining work to be completed, the proposed date of completion, the amount of funds remaining, and a revised budget for the remaining funds. If all funds have been disbursed to the Recipient, this must be indicated in the request. A request for an extension that is received by the Grant Specialist after the expiration date shall not be honored.

For continuing work, an extension shall delay the award of a follow-on agreement until such time that the first agreement has been completed. An extension for any period beyond the original expiration may, in unusual circumstances, result in the cancellation of intended subsequent agreement awards.

- e. Creation of any direct cost line item not approved at time of award.
- f. Any other significant change to the award.

The STATEMAP Program Officer will notify the Recipient in writing within 30 calendar days after receipt of the request for revision or adjustment whether the request has been approved.

A.7. Pre-agreement Costs

Pre-agreement costs may be considered and approved on a case-by-case basis. However, approval must be requested and granted **prior to incurring any expenses**. Written approval must be given by the USGS Office of Acquisitions and Grants and formal approval processing may be required.

A.8. Site Visits

Site visits may be made by USGS representatives to review program accomplishments and management control systems and to provide technical assistance, as required.

A.9. Violation of Award Terms

If a Recipient materially fails to comply with the terms of the award, the Contracting Officer may suspend, terminate, or take such other remedies as may be legally available and appropriate in the circumstances.

A.10. Award Closeout

Awards will be closed out once all requirements have been met. Maps/Products and Technical and financial reports must be submitted on time as specified in Section 4 of these Special Terms and Conditions. Failure to adhere to the reporting requirements may result in the delay or denial of further awards.

A.11. Government Involvement Statement

1. Substantial involvement is anticipated through the term of the cooperative agreement between the USGS and the Recipient.
2. The USGS and the Recipient will collaborate and participate in program planning for each phase of the project.

A.12 Modification

This award may be modified in writing by mutual consent of the Recipient representative and the Contracting Officer.

A.13 Geospatial Data Availability Requirements

Geospatial Data Act of 2018, Pub. L. 115-254, Subtitle F - Geospatial Data §§ 751- 759C codified at 43 U.S.C. §§ 2801- 2811 -Federal recipient collection of geospatial data through the use of the

Department of the Interior financial assistance funds requires a due diligence search at the GeoPlatform.gov list of datasets to discover whether the needed geospatial-related data, products, or services already exist. If the required data set already exists, the recipient must use it. If the required data is not already available, the recipient must produce the proposed geospatial data, products, or services in compliance with applicable proposed guidance and standards established by the Federal Geospatial Data Committee (FGDC) posted to www.fgdc.gov. Recipients must submit a digital copy of all GIS data produced or collected as part of the award funds to the bureau or office via email or data transfer. All GIS data files shall be in open format. All delineated GIS data (points, lines or polygons) should be established in compliance with the approved open data standards with complete feature level metadata.

2 CFR 1402.315 Availability of Data

(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.

SECTION B – GENERAL PROVISIONS

B.1 Cost Principles, Audit, and Administrative Requirements

The Recipient shall be subject to the following regulations, which are incorporated herein by reference. Copies of these regulations can be obtained from the Internet at:
http://www.whitehouse.gov/omb/grants_docs

Educational Institutions / State and Local Governments / Non-Profit Organizations

2 CFR Part 200, *Uniform Administrative Requirements, Cost Principles and Audit Requirements for Federal Awards*, as implemented by the Department of the Interior in 2 CFR Part 1402 and 43 CFR Part 12.

B.2 Additional Regulations

This award is subject to the following additional Government-wide regulations:

- 2 CFR 180, Government-wide Debarment and Suspension (Nonprocurement)
- 2 CFR 182, Government-wide Requirements for Drug-Free Workplace (Financial Assistance)
- Executive Order 13175 ([Consultation and Coordination with Indian Tribal Governments](#))
- Federal Register / Vol. 88, No. 8 / Thursday, January 12, 2023 / Federally recognized American Indian Tribes, Alaska Native Villages, and Alaska Native Corporations [2023-00504.pdf \(govinfo.gov\)](#).

This award is subject to the following additional regulations of the U.S. Department of the Interior:

- 2 CFR Part 1400, Nonprocurement Debarment and Suspension
- 2 CFR Part 1401, Requirements for a Drug Free Workplace (Financial Assistance)
- 43 CFR Part 17, Nondiscrimination in Federally Assisted Programs of the Department of the Interior
- 43 CFR Part 18, New Restrictions on Lobbying
 - Submission of an application also represents the applicant's certification of the statements in 43 CFR Part 18, Appendix A, Certification Regarding Lobbying
- 43 CFR Part 41, Nondiscrimination on the Basis of Sex in Education Programs or Activities Receiving Federal Financial Assistance *[Applies only if this award provides assistance to an education program or student(s)]*
- Department of the Interior Policy on Consultation with Indian Tribes ([DOI Policy Part 512, Chapter 4](#))

B.3 Additional Articles Required For Compliance with Statute or Regulation

a) The Seat Belt Provision (Executive Order 13043)

Recipients of grants/cooperative agreements and/or sub-awards are encouraged to adopt and enforce on-the-job seat belt use policies and programs for their employees when operating company owned, rented, or personally owned vehicles. These measures include, but are not limited to, conducting education, awareness, and other appropriate programs for their employees about the importance of wearing seatbelts and the consequences of not wearing them.

b) Federal Leadership on Reducing Text Messaging while Driving (Executive Order 13513)

Recipients are encouraged to adopt and enforce policies that ban text messaging while driving, including conducting initiatives of the type described in section 3(a) of the order. ([Executive Order](#)

c) Use of U.S. Flag Air Carriers (49 USC Section 40118)

Any air transportation to, from, between or within a country other than the U.S. of persons or property, the expense of which will be paid in whole or in part by U.S. Government funding, must be performed by, or under a code-sharing arrangement with, a U.S. flag air carrier if service provided by such a carrier is "available" (49 U.S.C. 40118, commonly referred to as the Fly America Act). Tickets (or documentation for electronic tickets) must identify the U.S. flag air carrier's designator code and flight number. See the Federal Travel Regulation §301-10.131 - §301-10.143 for definitions, exceptions, and documentation requirements. (See also Comp. Gen. Decision B-240956, dated September 25, 1991.)

d) Trafficking in Persons (2 CFR Part 175)

a. *Provisions applicable to a recipient that is a private entity.*

1. You as the recipient, your employees, subrecipients under this award, and subrecipients' employees may not—

- i. Engage in severe forms of trafficking in persons during the period of time that the award is in effect;
- ii. Procure a commercial sex act during the period that the award is in effect; or
- iii. Use forced labor in the performance of the award or subawards under the award.

2. We as the Federal awarding agency may unilaterally terminate this award, without penalty, if you or a subrecipient that is a private entity —

- i. Is determined to have violated a prohibition in paragraph a.1 of this award term; or
- ii. Has an employee who is determined by the agency official authorized to terminate the award to have violated a prohibition in paragraph a.1 of this award term through conduct that is either—

A. Associated with performance under this award; or

B. Imputed to you or the subrecipient using the standards and due process for imputing the conduct of an individual to an organization that are provided in 2 CFR part 180, "OMB Guidelines to Agencies on Government wide Debarment and Suspension (Nonprocurement)," as implemented by our agency at [agency must insert reference here to its regulatory implementation of the OMB guidelines in 2 CFR part 180 (e.g., "2 CFR part XX")].

b. *Provision applicable to a recipient other than a private entity.*

We as the Federal awarding agency may unilaterally terminate this award, without penalty, if a subrecipient that is a private entity—

1. Is determined to have violated an applicable prohibition in paragraph a.1 of this award term; or
2. Has an employee who is determined by the agency official authorized to terminate the award to have violated an applicable prohibition in paragraph a.1 of this award term through conduct that is either—
 - i. Associated with performance under this award; or
 - ii. Imputed to the subrecipient using the standards and due process for imputing the

conduct of an individual to an organization that are provided in 2 CFR part 180, “OMB Guidelines to Agencies on Government wide Debarment and Suspension (Nonprocurement),” as implemented by our agency at [agency must insert reference here to its regulatory implementation of the OMB guidelines in 2 CFR part 180 (e.g., “2 CFR part XX”)].

c. *Provisions applicable to any recipient.*

1. You must inform us immediately of any information you receive from any source alleging a violation of a prohibition in paragraph a.1 of this award term.
2. Our right to terminate unilaterally that is described in paragraph a.2 or b of this section:
 - i. Implements section 106(g) of the Trafficking Victims Protection Act of 2000 (TVPA), as amended (22 U.S.C. 7104(g)), and
 - ii. Is in addition to all other remedies for noncompliance that are available to us under this award.
3. You must include the requirements of paragraph a.1 of this award term in any subaward you make to a private entity.

d. *Definitions.*

For purposes of this award term:

1. “Employee” means either:
 - i. An individual employed by you or a subrecipient who is engaged in the performance of the project or program under this award; or
 - ii. Another person engaged in the performance of the project or program under this award and not compensated by you including, but not limited to, a volunteer or individual whose services are contributed by a third party as an in-kind contribution toward cost sharing or matching requirements.
2. “Forced labor” means labor obtained by any of the following methods: the recruitment, harboring, transportation, provision, or obtaining of a person for labor or services, through the use of force, fraud, or coercion for the purpose of subjection to involuntary servitude, peonage, debt bondage, or slavery.
3. “Private entity”:
 - i. Means any entity other than a State, local government, Indian tribe, or foreign public entity, as those terms are defined in 2 CFR 175.25.
 - ii. Includes:
 - A. A nonprofit organization, including any nonprofit institution of higher education, hospital, or tribal organization other than one included in the definition of Indian tribe at 2 CFR 175.25(b).
 - B. A for-profit organization.
4. “Severe forms of trafficking in persons,” “commercial sex act,” and “coercion” have the meanings given at section 103 of the TVPA, as amended (22 U.S.C. 7102).

e) Reporting Subawards and Executive Compensation Information (2 CFR Part 170).

a. *Reporting of first-tier subawards.*

1. *Applicability.* Unless you are exempt as provided in paragraph d. of this award term, you must report each action that obligates \$25,000 or more in Federal funds that does not include Recovery funds (as defined in section 1512(a)(2) of the American Recovery and Reinvestment Act of 2009, Pub. L. 111-5) for a subaward to an entity (see definitions in paragraph e. of this award term).

2. *Where and when to report.*

i. You must report each obligating action described in paragraph a.1. of this award term to <http://www.fsrs.gov>.

ii. For subaward information, report no later than the end of the month following the month in which the obligation was made. (For example, if the obligation was made on November 7, 2010, the obligation must be reported by no later than December 31, 2010.)

3. *What to report.* You must report the information about each obligating action that the submission instructions posted at <http://www.fsrs.gov>.

b. *Reporting Total Compensation of Recipient Executives.*

1. *Applicability and what to report.* You must report total compensation for each of your five most highly compensated executives for the preceding completed fiscal year, if—

i. the total Federal funding authorized to date under this award is \$25,000 or more;

ii. in the preceding fiscal year, you received—

(A) 80 percent or more of your annual gross revenues from Federal procurement contracts (and subcontracts) and Federal financial assistance subject to the Transparency Act, as defined at 2 CFR 170.320 (and subawards); and

(B) \$25,000,000 or more in annual gross revenues from Federal procurement contracts (and subcontracts) and Federal financial assistance subject to the Transparency Act, as defined at 2 CFR 170.320 (and subawards); and

iii. The public does not have access to information about the compensation of the executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986. (To determine if the public has access to the compensation information, see the U.S. Security and Exchange Commission total compensation filings at <http://www.sec.gov/answers/execomp.htm>.)

2. *Where and when to report.* You must report executive total compensation described in paragraph b.1. of this award term:

i. As part of your registration profile at <https://www.sam.gov>.

ii. By the end of the month following the month in which this award is made, and annually thereafter.

c. *Reporting of Total Compensation of Subrecipient Executives.*

1. *Applicability and what to report.* Unless you are exempt as provided in paragraph d. of this award term, for each first-tier subrecipient under this award, you shall report the names and total compensation of each of the subrecipient's five most highly compensated executives for the subrecipient's preceding completed fiscal year, if—

- i. in the subrecipient's preceding fiscal year, the subrecipient received—
 - (A) 80 percent or more of its annual gross revenues from Federal procurement contracts (and subcontracts) and Federal financial assistance subject to the Transparency Act, as defined at 2 CFR 170.320 (and subawards); and
 - (B) \$25,000,000 or more in annual gross revenues from Federal procurement contracts (and subcontracts), and Federal financial assistance subject to the Transparency Act (and subawards); and
 - ii. The public does not have access to information about the compensation of the executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986. (To determine if the public has access to the compensation information, see the U.S. Security and Exchange Commission total compensation filings at <http://www.sec.gov/answers/execomp.htm>.)
2. *Where and when to report.* You must report subrecipient executive total compensation described in paragraph c.1. of this award term:
- i. To the recipient.
 - ii. By the end of the month following the month during which you make the subaward. For example, if a subaward is obligated on any date during the month of October of a given year (*i.e.*, between October 1 and 31), you must report any required compensation information of the subrecipient by November 30 of that year.

d. *Exemptions*

If, in the previous tax year, you had gross income, from all sources, under \$300,000, you are exempt from the requirements to report:

- i. Subawards,
- and
- ii. The total compensation of the five most highly compensated executives of any subrecipient.

e. *Definitions.* For purposes of this award term:

1. *Entity* means all the following, as defined in 2 CFR part 25:

- i. A Governmental organization, which is a State, local government, or Indian tribe;
- ii. A foreign public entity;
- iii. A domestic or foreign nonprofit organization;
- iv. A domestic or foreign for-profit organization;
- v. A Federal agency, but only as a subrecipient under an award or subaward to a non-Federal entity.

2. *Executive* means officers, managing partners, or any other employees in management positions.

3. *Subaward*:

- i. This term means a legal instrument to provide support for the performance of any portion of the substantive project or program for which you received this award and that you as the recipient award to an eligible subrecipient.
- ii. The term does not include your procurement of property and services needed to carry

out the project or program (for further explanation, see Sec. ____210 of the attachment to OMB Circular A-133, “Audits of States, Local Governments, and Non-Profit Organizations”).

iii. A subaward may be provided through any legal agreement, including an agreement that you or a subrecipient considers a contract.

4. *Subrecipient* means an entity that:

- i. Receives a subaward from you (the recipient) under this award; and
- ii. Is accountable to you for the use of the Federal funds provided by the subaward.

5. *Total compensation* means the cash and noncash dollar value earned by the executive during the recipient's or subrecipient's preceding fiscal year and includes the following (for more information see 17 CFR 229.402(c)(2)):

- i. *Salary and bonus*.
- ii. *Awards of stock, stock options, and stock appreciation rights*. Use the dollar amount recognized for financial statement reporting purposes with respect to the fiscal year in accordance with the Statement of Financial Accounting Standards No. 123 (Revised 2004) (FAS 123R), Shared Based Payments.
- iii. *Earnings for services under non-equity incentive plans*. This does not include group life, health, hospitalization or medical reimbursement plans that do not discriminate in favor of executives and are available generally to all salaried employees.
- iv. *Change in pension value*. This is the change in present value of defined benefit and actuarial pension plans.
- v. *Above-market earnings on deferred compensation which is not tax-qualified*.
- vi. Other compensation, if the aggregate value of all such other compensation (e.g., severance, termination payments, value of life insurance paid on behalf of the employee, perquisites or property) for the executive exceeds \$10,000.

f) System of Award Management and Universal Identifier Requirements (2 CFR Part 25)

a. *Requirement for System of Award Management*

Unless you are exempted from this requirement under 2 CFR 25.110, you as the recipient must maintain the currency of your information in the SAM until you submit the final financial report required under this award or receive the final payment, whichever is later. This requires that you review and update the information at least annually after the initial registration, and more frequently if required by changes in your information or another award term.

b. *Requirement for Unique Entity identifier Numbers*

If you are authorized to make subawards under this award, you:

- 1. Must notify potential subrecipients that no entity (*see* definition in paragraph C of this award term) may receive a subaward from you unless the entity has provided its unique entity identifier number to you.
- 2. May not make a subaward to an entity unless the entity has provided its DUNS number to you.

c. *Definitions*

For purposes of this award term:

1. *System of Award Management (SAM)* means the Federal repository into which an entity must provide information required for the conduct of business as a recipient. Additional information about registration procedures may be found at the SAM Internet site (currently at <http://www.sam.gov>).
2. *Unique entity identifier* means the identifier required for SAM registration to uniquely identify business entities.
3. *Entity*, as it is used in this award term, means all the following, as defined at 2 CFR part 25, subpart C:
 - i. A Governmental organization, which is a State, local government, or Indian Tribe;
 - ii. A foreign public entity;
 - iii. A domestic or foreign nonprofit organization;
 - iv. A domestic or foreign for-profit organization; and
 - v. A Federal agency, but only as a subrecipient under an award or subaward to a non-Federal entity.
4. *Subaward*:
 - i. This term means a legal instrument to provide support for the performance of any portion of the substantive project or program for which you received this award and that you as the recipient award to an eligible subrecipient.
 - ii. The term does not include your procurement of property and services needed to carry out the project or program (for further explanation, see 2 CFR 200.330).
 - iii. A subaward may be provided through any legal agreement, including an agreement that you consider a contract.
5. *Subrecipient* means an entity that:
 - i. Receives a subaward from you under this award; and
 - ii. Is accountable to you for the use of the Federal funds provided by the subaward.

g) Prohibition on Members of Congress Making Contracts with Federal Government (41 USC Section 6306)

No member of or delegate to the United States Congress or Resident Commissioner shall be admitted to any share or part of this award, or to any benefit that may arise therefrom; this provision shall not be construed to extend to an award made to a corporation for the public's general benefit.

h) Enhancement of Recipient and Subrecipient Employee Whistleblower Protection (41 USC Section 4712)

- a. This award, related subawards, and related contracts over the simplified acquisition threshold and all employees working on this award, related subawards, and related contracts over the simplified acquisition threshold are subject to the whistleblower rights and remedies established at 41 USC 4712.

b. Recipients, their subrecipients, and their contractors awarded contracts over the simplified acquisition threshold related to this award, shall inform their employees in writing, in the predominant language of the workforce, of the employee whistleblower rights and protections under 41 USC 4712.

c. The recipient shall insert this clause, including this paragraph (c), in all subawards and in contracts over the simplified acquisition threshold related to this award.

i) Prohibition on Issuing Financial Assistance Awards to Entities that Require Certain Internal Confidentiality Agreements

Section 743 of Division E, Title VII of the Consolidated and Further Continuing Resolution Appropriations Act of 2015 (Pub. L. 113-235) prohibits the use of funds appropriated or otherwise made available under that or any other Act for grants or cooperative agreements to an entity that requires employees or contractors of such entity seeking to report fraud, waste, or abuse to sign internal confidentiality agreements or statements prohibiting or otherwise restricting such employees or contractors from lawfully reporting such waste, fraud, or abuse to a designated investigative or law enforcement representative of a federal department or agency authorized to receive such information.

Recipients must not require their employees or contractors seeking to report fraud, waste, or abuse to sign internal confidentiality agreements or statements prohibiting or otherwise restricting such employees or contractors from lawfully reporting such waste, fraud, or abuse to a designated investigative or law enforcement representative of a federal department or agency authorized to receive such information.

Recipients must notify their employees or contractors that existing internal confidentiality agreements covered by this condition are no longer in effect.

B.4 Additional General Terms and Conditions

a) Research Integrity

- 1) USGS requires that all grant or cooperative agreement Recipient organizations adhere to the Federal Policy on Research Misconduct, Office of Science and Technology Policy, December 6, 2000, 65 Federal Register (FR) 76260. The Federal Policy on Research Misconduct outlines requirements for addressing allegations of research misconduct, including the investigation, adjudication, and appeal of allegations of research misconduct and the implementation of appropriate administrative actions.
- 2) The Recipient must promptly notify the USGS Project Office when research misconduct that warrants an investigation pursuant to the Federal Policy on Research Misconduct is alleged.

b) Access To Research Data

- 1) Recipients that are institutions of higher education, hospitals, or non-profit organizations are required to release research data first produced in a project supported in whole or in part with Federal funds that are cited publicly and officially by a Federal agency in support of an action that has the force and effect of law (e.g., regulations and administrative orders). “Research data” is defined as the recorded factual material commonly accepted in the scientific community as necessary to validate research findings. It does not include preliminary analyses; drafts of scientific papers; plans for future research; peer reviews; communications with colleagues; physical objects (e.g., laboratory samples, audio or video tapes); trade secrets; commercial information; materials necessary to be held confidential by a researcher until publication in a peer-reviewed journal; information that is protected under the law (e.g., intellectual property); personnel and medical files and similar files, the disclosure of which would constitute an unwarranted invasion of personal privacy; or information that could be used to identify a particular person in a research study.
- 2) These requirements do not apply to commercial organizations or to research data produced by State or local governments. However, if a State or local governmental grantee contracts with an educational institution, hospital, or non-profit organization, and the contract results in covered research data, those data are subject to these disclosure requirements.
- 3) Requests for the release of research data subject to this policy are required to be made to USGS, which will handle them as FOIA requests under 43 CFR 2.25. If the data are publicly available, the requestor will be directed to the public source. Otherwise, the USGS Contract Officer, in consultation with the affected Recipient and the PI, will handle the request. This policy also provides for assessment of a reasonable fee to cover Recipient costs as well as (separately) the USGS costs of responding.

c) Conflict of Interest

The Recipient must establish safeguards to prohibit its employees and Subrecipients from using their positions for purposes that constitute or present the appearance of a personal or organizational conflict of interest. The Recipient is responsible for notifying the USGS Contracting Officer in writing of any actual or potential conflicts of interest that may arise during the life of this award. Conflicts of interest include any relationship or matter which might place the Recipient or its employees in a position of conflict, real or apparent, between their responsibilities under the agreement and any other outside interests. Conflicts of interest may also include, but are not limited to, direct or indirect financial interests, close personal relationships, positions of trust in outside organizations, consideration of future employment arrangements with a different organization, or decision- making affecting the award that would cause a reasonable person with knowledge of the relevant facts to question the impartiality of the Recipient and/or Recipient's employees and Sub-recipients in the matter.

The USGS Contracting Officer and the servicing Ethics Counselor will determine if a conflict of interest exists. If a conflict of interest exists, the USGS Contracting Officer will determine whether a mitigation plan is feasible. Mitigation plans must be approved by the USGS Contracting Officer

in writing. 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).

d) Program Income

- 1) If the Recipient is an educational institution or nonprofit research organization, any other program income will be added to funds committed to the project by the Federal awarding agency and Recipient and be used to further eligible project or program objectives, as described in 2 CFR 200.307(e)(2).
- 2) For all other types of Recipients, any other program income will be deducted from total allowable costs to determine the net allowable costs before calculating the Government's share of reimbursable costs, as provided in 2 CFR 200.307(e)(1).

e) Government Furnished Property or Property Authorized for Purchase

Title to nonexpendable personal property acquired wholly or in part with Federal funds shall be vested in the Recipient unless otherwise specified in the award document. The Recipient shall retain control and maintain a property inventory of such property if there is a need for such property to accomplish the purpose of the project, whether or not the project continues to be supported by Federal funds. When there is no longer a need for such property to accomplish the purpose of the project, the Recipient shall use the property in connection with other Federal awards the Recipient has received. Disposal of nonexpendable personal property shall be in accordance with 2 CFR 200.313.

There is no non-expendable personal property authorized on this grant/cooperative agreement.

Attachment F

INSTRUCTIONS FOR UPLOADING DELIVERABLES

The National Cooperative Geologic Mapping Program Management System <https://my.usgs.gov/ncgmp/>

The NCGMP requires all STATEMAP deliverables other than GeMS Level 3 databases be submitted through the NCGMP Management System.

Creating your myUSGS Account

To get started you will need to create a myUSGS account - this account **requires** you to use the email address that will be associated with your proposal.

- Go to <https://my.usgs.gov/welcome/>
- Click on **Request New Account** at the bottom of the page
- Fill out your email address (do not use a personal address) and click the “I am not a robot” check box
- Then click Submit

You will then need to check your inbox for an email from myUSGS and follow the steps, including providing a sponsor’s email address for the account, to complete your registration. Please use mmarketti@usgs.gov as your myUSGS sponsor.

Next, your sponsor will get an email and need to verify your account, after which you will get an email asking you to finalize your account and create a password. You will now be able to access the Management System and view any current projects (and corresponding deadlines/project end dates) associated with your email address.

Accessing Your Projects and Uploading Deliverables to the NCGMP Management System

If you have any difficulty or questions when accessing the Management System, please contact Mike Marketti at mmarketti@usgs.gov / 703-648-6976.

1. Navigate to the Management System at <https://my.usgs.gov/ncgmp/> and log in using your myUSGS credentials. Once logged in and viewing the home screen, click **Proposal List**
2. In order to find your active/current projects, set the **Stage** section to **Project Live**

3. Click the **Search** button
4. Click on the name of the project (i.e. FY2023 Alaska STATEMAP Proposal)
5. Once displaying the project details, you will see a list of associated deliverables. Click on the name of the deliverable (i.e. “FY2023 Alaska STATEMAP Transmittal Letter”) in order to upload a document
6. Click on the **+Upload New File** button
7. Browse to your computer and select a file

As a suggestion, please make sure the name of your file is meaningful and connects it to your project. For example, titles like **MT_Boulder_East_24K_map.pdf** or **TX_STATEMAP_PortOConnor_map_sheet1_2019** are excellent titles for your files. Please note: If needed, you may upload multiple documents for a single deliverable item listed (for example, multiple plates for a single mapped quad)

8. Then save by clicking on **Update**
9. **After** you have uploaded all deliverable documents click on the **Proposal** icon in the menu
10. Then click on **Start Deliverables Review** to move your proposal to the next phase – this will allow NCGMP to review your documents.

Forgot your password?

Go to <https://my.usgs.gov/resources/main/forgotPassword>, fill in the email address that you used to create your myUSGS account, and soon thereafter you will receive an email with a new password. Again, if you have any questions related to the NCGMP Management System, please contact Mike Marketti at mmarketti@usgs.gov / 703-648-6976.

Submitting GeMS Level 3 Deliverables

Please submit all GeMS Level 3 deliverables to the NGMDB’s GeMS Submission Web Form, found here: <https://ngmdb.usgs.gov/connect/members/login/?next=/connect/gems/>. See https://ngmdb.usgs.gov/Info/standards/GeMS/docs/Updated_Guidance_for_submitting_GeMS_files.pdf for guidance on preparing GeMS databases of submission. Additionally, a copy of the submission confirmation email for each GeMS Level 3 database must be submitted along with other deliverables in the NCGMP Management System.

Attachment G

STATEMAP Proposals with Tribal Implications

States applying for NCGMP grant funds to conduct geologic mapping activities with Tribal implications (activities with a substantial direct effect on Tribes, Tribal lands, or resources), must adhere to PI responsibilities in Survey Manual Chapter 500.6-American Indian and Alaska Native Tribal Relations (see [SM 500.6](#)). This and other policies (see [EO 13175, Consultation and Coordination with Indian Tribal Governments](#) and [DOI Policy on Consultation with Indian Tribes](#)) guide the USGS in fulfilling its Federal Trust responsibilities to Tribal Nations. All NCGMP-funded agencies must also adhere to Tribal rules and regulations when conducting activities on Tribal lands. STATEMAP PIs must obtain permission to enter and conduct research on any parcel(s) identified as *trust land* which can be located using a variety of State and Federal resources including the Bureau of Indian Affairs (BIA) GIS map tool: [Indian Lands \(doi.gov\)](#).

The NCGMP will work collaboratively with States to fulfill various permit, review, and notification requirements in accordance with Federal and Tribal policy. This includes the drafting and coordination of a requisite Tribal Notification Letter per USGS policy. However, if Tribal permission and/or consultation requirements are not met before the STATEMAP Award period of performance start date, work scope and/or approach may need to be modified.

The table below provides examples of STATEMAP geologic mapping activities on, over, or near Tribal Lands along with respective permit, review, and USGS notification requirements.

Proposed Work	Deliverable	Physical Access Permit Required	Section 106 Review	Type of Notification Required
Geologic Mapping (including, but not limited to, fieldwork, interpretative analysis, data interpolation/extrapolation)	Any new map publication, e.g., surficial geologic map, GIS GeMS database, derivative map	Possibly	Possibly	Tribal Notification Letter with an invite to consult
Soil Disturbance (including, but not limited to, sampling, core collection, drilling) and Lab Analytics (new and/or previously collected samples)	Data samples, data tables, and lab analyses, e.g., data to support new mapping, mineral / geochem / geochron data	Yes	Yes	Tribal Notification Letter with an invite to consult
Data Conversion, Synthesis, and/or Compilation (previously published, non-proprietary, publicly available data)	Digital dataset, e.g., GIS-GeMS database, 3D modeling, raster data, geochron data	No	No	Tribal Notification Letter with an invite to consult OR Courtesy Notification
Data Conversion, Synthesis, and/or Compilation (non-publicly available, proprietary, protected, or sensitive data)	Digital dataset (for examples, see block above)	No	No	Tribal Notification Letter with an invite to consult
Geoheritage Data Collection and/or Compilation (previously published, non-proprietary, publicly available data)	Report, digital dataset, GIS database	Possibly	No	Courtesy Notification
Any Activity w/in 5 miles of Tribal Lands	Any new data product	No	Possibly	Courtesy Notification

Attachment H

DATA MANAGEMENT PLAN - EXAMPLE TEMPLATE

Below is an example data management plan. Additional examples are available at <https://www.usgs.gov/data-management/data-management-plans>

Template 1: This template is for use with projects involving data collection or data digitizing, processing, or other transformations:

PI Name:

Project Title:

1. Will this project utilize existing data? ☐Yes/☐No

If yes, where is the existing data hosted/stored currently? (Paper files, Excel spreadsheets, custom database, etc.)

2. Will your Project collect or process new data? ☐Yes/☐No

If yes, what file format will be used to collect the new data? (Paper, web forms, PDF forms, etc.)

3. Are there access/use limitations associated with your data? ☐Yes/☐No

If yes, describe the limitations, including proprietary or sensitive data elements, etc.

4. Is existing data currently available to the public? ☐Yes/☐No

a. Where are the data made available?

b. Describe how any proprietary/sensitive data is handled.

c. Are any fees associated with release of the data?

d. What data format is the data released in? ☐CSV ☐Shapefile ☐GeoTIFF ☐GeMS ☐Other:

e. Is associated metadata made available, and if so what format?

5. Is new data planned to be made available to the public?

a. Where will the data made available?

b. Describe how any proprietary/sensitive data will be handled.

c. Will any fees be associated with release of the data?

d. What data format will the data be released in? ☐CSV ☐Shapefile ☐GeoTIFF ☐GeMS
☐Other:

e. Will associated metadata be made available, and if so what format will be used?

6. Describe the approach for backup of all data associated with this project.

7. What is the lifespan of these data? ☐Maintained indefinitely/☐Moved to archive storage after ____ years/☐Destroyed after __years/☐Other:

8. Does data for this project rely on proprietary or licensed software? List software:

9. Describe quality assurance and/or quality control procedures that are associated with data collection and processing:

-- End of Agreement --