



UNITED STATES DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

-- STATEMAP --

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

**Re-authorized in 2021 by the Infrastructure Investment and Jobs Act
(Public Law 117-58, Sec. 40202: “National Cooperative Geologic
Mapping Program”)**

PROGRAM ANNOUNCEMENT No. G25AS00030

For Fiscal Year 2025

ISSUE DATE: September 25, 2024

CLOSING DATE & TIME:

Tuesday, January 7, 2025 - @ 5:00 p.m. EST

PLEASE READ THE ENTIRE ANNOUNCEMENT CAREFULLY AND NOTE ANY CHANGES

Paperwork Reduction Act Approval – OMB control number 1028-0088, Expiration Date 04/28/2027

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Form required at the end of the project period (form is online only): Standard Form 425 – Federal Financial Report (submitted through GrantSolutions); form is available online at <https://www.grants.gov/forms/forms-repository/post-award-reporting-forms>

PROGRAM ANNOUNCEMENT CHANGES

Part I, A, and throughout: There are editorial changes made throughout the entire Program Announcement for conciseness and clarity.

Part I, A, and throughout: Issue date and closing date/time are updated.

Part I, C, STATEMAP Proposals: Please refrain from naming proposed projects with number of deliverables, for example, “Three maps in Brevard County,” because project names cannot be modified in GrantSolutions with revisions (e.g., with revisions, you modify to “Two maps in Brevard County”; the project title will not change from the original title proposed). Instead, select a name such as “Mapping in Brevard County.”

Part I, C, STATEMAP Proposals: Many required proposal elements are now OPTIONAL for proposals requesting less than \$150,000. These now optional sections are indicated by asterisks throughout this Program Announcement.

Part I, D, Category 1: All products produced under Category 1 (Guidance Criteria 1 and 2) are now scale limited. New maps and derivative maps produced under Category 1 must be at scales of or between 1:24,000 and 1:63,360.

Part I, D, Guidance Criterion 1: Maps produced under Guidance Criterion 1 are limited to scales at or between 1:24,000 and 1:63,360. Funds may be requested to publish EDMAP products. If requesting funds to publish unfinished geologic maps, then an explanation of explicit activities performed to finalize the map must be included in the proposal (e.g., field work, digitization, cartography, etc.).

Part I, D, Guidance Criterion 2: Derivative maps produced under Guidance Criterion 2 must be at scales at or between 1:24,000 and 1:63,360. Examples of previously-funded derivative map products are provided. The required Geologic Map Schema (GeMS) Level 3 database that must be submitted with each derivative map does not have to be a similar derivative map.

Part I, D, Category 2: The definition for Category 2 work is updated. Specifically, all geologic map products (other than 3D products and GeMS conversions) must be at scales ranging from >1:63,360 to 1:500,000.

Part I, D, Guidance Criterion 3: This Guidance Criterion allows producing or finalizing geologic maps and compilations at scales ranging from >1:63,360 to 1:500,000.

Part I, D, Guidance Criterion 4: This Guidance Criterion allows derivative map production at scales ranging from >1:63,360 to 1:500,000.

Part I, D, Guidance Criterion 5: This Guidance Criterion allows GeMS database development training.

Part I, D, Guidance Criterion 6: This Guidance Criterion now allows 3D work and related training.

Part I, D, Guidance Criterion 7: This Guidance Criterion has been expanded to allow multiple types of complimentary databases that will add content to the National Geologic Map Database (NGMDB). Databases (with only previously published data) may include geophysical map databases, geochemical map databases, and/or geochronologic databases. Templates are available for each data type.

Part I, D, Guidance Criterion 8: This Guidance Criterion allows products related to geoheritage sites. Most importantly, funds may be requested to produce StoryMaps (or similar product) related to compiled geoheritage data.

Part I, D, Guidance Criterion 9: This Guidance Criterion allows inventorying of State publications that contain Derogatory Terms.

Part I, D, Guidance Criterion 10: This Guidance Criterion allows work related to updating stratigraphy in your State.

Part I, D, Guidance Criterion 11: This Guidance Criterion has been modified to allow only the production of a STATEMAP Fact Sheet. Please note that all funded projects will require the submission of an updated STATEMAP Fact Sheet starting in Fiscal Year 2026.

Part I, D, Guidance Criterion 12: This Guidance Criterion allows work conducted collaboratively with other State Surveys or FEDMAP Projects related to any of the previous Guidance Criteria. Requested funds must only cover the proposing State Geological Survey.

Part I, E, Requirements for New Mapping Products: New in Fiscal Year 2025 is Attachment J. In lieu of uploading a copy of the GeMS Submission email with non-GeMS deliverables, States must now provide Attachment J for each submitted GeMS database along with all other non-GeMS deliverables at the Period of Performance end date. States are encouraged to use Attachment J as the GeMS database submission Transmittal Letter.

Part II, A, Timetables: In an effort to limit the need for some no-cost extensions, project deliverables are now due no later than 90 days after the end of the project period of performance – in line with the final technical report timeline as defined in the award Terms and Conditions. Additionally, final published deliverables will now be due within 12 months from the date of deliverables submission.

Part II, C, Proposal Format Instructions, and throughout: Proposals requesting less than \$150,000 have the option to omit some of the previously required proposal elements. Additionally, character limits are now imposed for specific proposal sections regardless of requested funding amount.

Part II, C, Proposal Format Instructions and throughout: The USGS Office of Acquisition and Grants (OAG) has updated several sections of the Program Announcement in FY2025. Please read these sections carefully for new instructions.

Part II, C, 4, Negotiated Rate Agreement: Clarifying language added by the USGS OAG.

Part II, C, 6, Statement of Outcome Letter: This Letter is now optional for proposals requesting less than \$150,000.

Part II, C, 8, Proposal Technical Section: If submitting a proposal requesting less than \$150,000, then the technical section is limited to ten pages.

Part II, C, 8, a, Introduction: States are encouraged to submit a table in this section to limit text. Attachment H provides an example format for such a table. This section now has a limit of 400 words.

Part II, C, 8, b, Location and Geologic Setting: This section is now limited to 300 words, not including those used on Figures (e.g., map legends). States are encouraged to use figures for this section.

Part II, C, 8, c, Purpose and Justification: This section now has a limit of 500 words.

Part II, C, 8, d, Strategy for Performing the Geologic Mapping: Reminder that this section is not required if geologic mapping is not occurring (e.g., proposed work includes only GeMS conversions or database compilation).

Part II, C, 8, e, Preliminary Results and Prior Work: This section is now optional for proposals requesting less than \$150,000.

Part II, C, 11, Budget Sheets (Attachment C and D): There are major changes to the required budget sheet format in FY2025. Attachments C and D now ensure that all required information requested by the USGS OAG is included on Budget Sheets. The National Cooperative Geologic Mapping Program (NCGMP) encourages each State to use the provided templates.

Part II, C, 11, c, Travel: States may request funds for staff to attend the in-person Geologic Mapping Forum Meeting in Minneapolis, Minnesota in September of 2025. These funds do not count towards the \$6,000 travel expense limit.

Part II, C, 11, e, Supplies: Field Tablets are now an allowable expense (or match) under STATEMAP (in accordance with the current definition of “Supplies” in 2 CFR), provided the cost per unit is under \$5,000.

Part II, C, 12, Bibliography for the National Geologic Map Database: This section is optional for States requesting less than \$150,000.

Part II, D, Proposal Evaluation: GeMS databases will not be evaluated as part of the proposal evaluation process for FY2025. Details on GeMS database evaluation will be provided in FY2026.

Part IV, D, 5: No-cost extension and deliverables submission timeline requirements have been revised – please review in detail.

Attachment B, STATEMAP Project Abstract Summary: The STATEMAP Abstract Summary must include the Proposal Title and Project Timeline.

Attachment C, Budget Sheet for Entire Proposal: Please note the changes to this Attachment. The NCGMP encourages States to use these templates for Budget development.

Attachment D, Budget Sheet for Individual Project: Please note the changes to this Attachment. The NCGMP encourages States to use these templates for Budget development.

Attachment E, Terms and Conditions: This entire section is revised by the USGS OAG. Please read carefully.

Attachment F, Instructions for Uploading Deliverables: The NCGMP Management System is no longer used. Until a new system is established and publicized, States should submit non-GeMS deliverables to a Microsoft SharePoint site. A link for a State's folder will be provided by email ~60 days prior to the deadline to submit deliverables, or earlier upon request.

Attachment I, Example Table for Introduction Section: This Attachment is new in FY2025. Use of the example table in the introduction section is encouraged for all proposals.

Attachment J, GeMS Submission Form: This Attachment is new in FY2025 and should be submitted with STATEMAP Deliverables for each GeMS database instead of submitting a copy of the GeMS Upload Confirmation Email.

Note regarding updates to [2 CFR 200](#) effective October 1, 2024

Please be aware that projects anticipated for funding under this NOFO will be subject to the revised Uniform Guidance, effective 10/1/2024. For reference, resources are included below to help determine how this may affect your proposal and budgeted costs.

OMB's [revised Uniform Guidance launch](#) was on April 4, 2024. To view the announcement OMB made on April 4, 2024 introducing the finalized Uniform Guidance, visit [here](#).

The [final rule, Guidance for Federal Assistance](#), was published to the Federal Register on April 22, 2024 (89 FR 30046).

OMB released [a redline document showing the 2024 revisions](#), and issued accompanying [implementation memorandum](#) M-24-11, as well as [reference guides](#).

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 then, 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, in addition to geologic mapping at traditional scales such as 1:24,000, the renewed vision of the USGS NCGMP is to create national and continental-resolution two-dimensional (2D) and three-dimensional (3D) digital geologic maps 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, which is 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 information on aggregate resources and building materials.

Many STATEMAP projects include lands of American Indian Tribes, Alaska Native Tribes, and Alaska Native Corporations (hereafter referred to as Tribal Nations). The Program supports the fulfillment of the federal trust responsibility to Tribal Nations by recognizing their sovereignty and responding to the science needs expressed by Tribal communities. The NCGMP works closely with State partners to ensure Tribal Nations are appropriately notified of NCGMP supported geologic mapping activities inclusive of Tribal Nation land. 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 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.

Guidance Criteria that fall under STATEMAP Category 2 (U.S. GeoFramework Initiative or USGI) are meant to fund work that encourages a collaborative effort that builds on NGMDB Phase 3 Concept. This effort works to: (1) create national and continental-resolution 2D and 3D geologic maps of the United States, (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, the NCGMP must foster a comprehensive approach to planning, data management, workflow, and other elements (i.e., a standardized workflow for implementation). The STATEMAP Category 2 options call for an array of new deliverables that extend beyond the range of most historically-funded STATEMAP projects.

C. STATEMAP Proposals

Each fiscal year (FY) NCGMP will accept one proposal from each State. Proposals may contain any number of projects. **However, please refrain from naming projects citing number of deliverables (for example, “Three maps in Brevard County”), because project names cannot be modified in GrantSolutions with revisions (e.g., with revisions, you modify to “Two maps in Brevard County”); the project title will not change from the original title proposed). Instead, select a name such as “Mapping in Brevard County.”** Projects may contain one or multiple quadrangles and/or specific areas of interest outside of a traditional quadrangle. Each project should be: (1) clearly defined and justified, (2) organized around a credible issue or area to be mapped, and (3) responsive to the FY25 STATEMAP Guidance Criteria listed below. As stipulated in the National Geologic Mapping Act (NGMA), a 1:1 Federal/State funding match is required for the total budget. Each proposal should contain a graphic or index map showing the proposed project areas. **The performance period for FY2025 STATEMAP Cooperative Agreements can be between 12 and 24 months.** The STATEMAP Proposal Evaluation Panel will recommend a funding level for every proposal submitted in

each FY. The strength and quality of each proposal, as determined by the STATEMAP Proposal Evaluation Panel, will be considered in funding decisions. After funding decisions are made, each applicant shall re-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 area(s), and a Project Abstract Summary (Attachment B).**

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

Please note that several changes have been made to the Proposal Format Instructions, specifically for proposals requesting less than \$150,000.

D. FY2025 Guidance Criteria for STATEMAP Geologic Map Products

STATEMAP Proposals must contain a project/projects that relate to **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 addressed with each project.** For the purposes of the STATEMAP Program, the term “detailed map” refers to maps of scales ranging from 1:24,000 to 1:63,360. The term “regional scale map” refers to maps of scales ranging from 1:250,000 to 1:500,000. The term “intermediate scale map” refers to maps of scales that fall between detailed and regional. Proposed projects may include any combination of the following Guidance Criteria.

Category 1: New, Detailed (1:24,000- to 1:63,360-scale) Geologic Mapping (GC 1 - 2; Maximum Request = \$500,000)

Guidance Criterion 1

Create and submit new geologic maps at 1:24,000 to 1:63,360 scale. Draft geologic maps must be submitted as PDFs. Draft geologic maps must be re-submitted as published products no later than 12 months after the end of your period of performance.

Completion and/or publication of unfinished, non-STATEMAP funded maps (e.g., previous unpublished EDMAP projects) may be conducted under this guidance criterion so long as the explicit activities required to complete this work are outlined in your proposal (e.g., map digitization, field work, peer review).

A Geologic Map Schema (GeMS) Level 3 database of **either** (1) a previously published (within the past five years) map that has not been superseded **or** (2) a final version (i.e., not draft) of the newly mapped product must be submitted with each new mapping product delivered (however, funding for GeMS databases should be tagged to Guidance Criterion 5).

Guidance Criterion 2

Create and submit new, detailed (1:24,000 to 1:63,360 scale) derivative maps that augment any new mapping proposed or augment a previously produced, yet still relevant, geologic map product from any source. This work 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 is based should be clearly identified. Draft derivative maps must be submitted as published products no later than 12 months after the end of your period of performance.

Examples of derivative maps include: karst susceptibility maps, depth-structure maps of specific formations, glacial striation maps, coastal erosion maps, energy and mineral resource maps, depth to bedrock maps, geologic hazard maps, and aggregate resource maps.

Each derivative map must be accompanied by a GeMS Level 3 database of either the final version of the new derivative map (if applicable), or a previously published (within the past five years) and not superseded map. The previously published map submitted as a GeMS database does not need to be a derivative map. Funding needed to complete the GeMS database should be tagged as Guidance Criterion 5.

Category 2 (U.S. GeoFramework Initiative): Intermediate-scale to Regional-scale (>1:63,360 to 1:500,000-scale) 2D or 3D Geologic Mapping, Derivative Maps, or Complimentary Geologic Databases/GeMS conversions (GC 3 – 12; no request limit)

Guidance Criterion 3

Create and submit new geologic maps or compilations at >1:63,360 to 1:500,000 scale. Draft geologic maps must be submitted as PDFs. 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 may be requested to support the compilation process. Draft geologic/compilation maps must be submitted as published products no later than 12 months after the end of your period of performance.

Completion and/or publication of unfinished, scale-appropriate non-STATEMAP funded maps (e.g., previous unpublished EDMAP projects) may be conducted under this guidance criterion so long as the explicit activities required to complete this work are outlined in the proposal (e.g., map digitization, field work, peer review). 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 five years) map that has not been superseded or (2) a final version (i.e., not draft) 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 4

Create and submit new intermediate or regional scale (i.e., >1:63,360 to 1:500,000 scale) derivative maps that augment any new mapping proposed or augment a previously produced, yet still relevant, geologic map product from any source. This work 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. Draft derivative maps must be submitted as published products no later than 12 months after the end of your period of performance.

Examples of derivative maps include: karst susceptibility maps, depth-structure maps of specific formations, glacial striation maps, coastal erosion maps, energy and mineral resource maps, depth to bedrock maps, geologic hazard maps, and aggregate resource maps.

Each derivative map must be accompanied by a GeMS Level 3 database of either the final version of the new derivative map (if applicable), or a previously published (within the past five years) and not superseded map. The previously published map submitted as a GeMS database does not need to be a derivative map. Funding needed to complete and submit the GeMS database should be tagged as Guidance Criterion 5.

Guidance Criterion 5

Convert relevant previously-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, databases that require revisions after the GeMS Quality Control process) to current GeMS Level 3 requirements. Maps should be at scales ranging from 1:24,000 to 1:500,000. 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. Funds may also be requested for training related to this Guidance Criterion.

Guidance Criterion 6

Create and submit new subsurface geologic data based on previously published non-digital subsurface maps **and/or** on new 3D mapping/modeling. Subsurface data/3D maps should be at scales ranging from 1:24,000 to 1:500,000. This work may include 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. Funds may also be requested for training related to this Guidance Criterion.

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 an accompanying Federal Geographic Data Committee (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 7

Organize and submit, via NCGMP-provided templates, complimentary geologic databases of previously published data that provide value-added information to the NGMDB. Such databases may include geophysical map databases, geochemical map databases, and/or geochronologic databases. A State that previously received funds for this purpose may only receive FY2025 funds to submit new data.

Guidance Criterion 8

Create and submit digital geologic map information for geoheritage sites in a 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. Do not include sites that are already included in the National Park Service National Natural Landmarks and Type Section Inventory (see: <https://www.nps.gov/subjects/nnlandmarks/nation.htm>). Template will be provided. The development of an accompanying StoryMap (or similar product) is allowable.

Guidance Criterion 9

Inventory all State publications in the NGMDB 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-words-are-considered-derogatory-under-secretarys-orders-3404-and-3405>) that are deemed derogatory. Funds may also be used to rename stratigraphic units that contain Derogatory Terms. Please follow steps outlined in the North American Code of Stratigraphic Nomenclature (https://ngmdb.usgs.gov/Geolex/resources/docs/NACSN_Code_2021.pdf) to abandon the derogatory term and to enact a formal change to a new term in the stratigraphic nomenclature. Possible venues for publishing such changes in stratigraphic nomenclature include the USGS “Stratigraphic Notes” publication series (https://ngmdb.usgs.gov/Geolex/stratres/strat_notes) or other peer-reviewed scientific journals. As stipulated in the North American Code of Stratigraphic Nomenclature, the following venues are inadequate for enacting a formal change in stratigraphic nomenclature: maps, theses, dissertations, open-file reports, meeting abstracts, or guidebooks with limited distribution. Note that a State that previously received STATEMAP funds for this purpose may only receive FY2025 funds to inventory additional derogatory terms or to rename additional stratigraphic units.

Guidance Criterion 10

Update the stratigraphic chart for an entire State or for regions of significance within a State, and/or develop a Statewide or regional digital stratigraphic 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 11

Develop/update and submit a State Fact Sheet that includes 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. Note that this is the final year submission of a State Fact Sheet will be optional; it will be required for all funded projects in FY2026.

Guidance Criterion 12

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. FY2025 Requirements for New Mapping Products

All new 2D map product deliverables funded by the FY2025 STATEMAP Program must be accompanied by a GeMS Level 3 geologic map database with a Digital Object Identifier or similar URL. If submitting a GeMS database for a previously published map to fulfill this requirement, then the associated published map must have an NGMDB PDP (or have been recently submitted to the NGMDB) and ideally published within the last five years. All submitted GeMS databases should be tagged as Guidance Criterion 5.

All GeMS Level 3 databases must be submitted to the NGMDB using the GeMS Upload Form on the NGMDB Connect website: <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 compliance 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.

The GeMS Submission Form (Attachment I) should be sent to the NCGMP as proof of delivery in lieu of a copy of the NGMDB GeMS submission upload email.

If proposed projects will deliver draft mapping products, then these draft products 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 3D database. For cartographic elements, please use

the Federal Geospatial Data Committee (FGDC) standard whenever feasible (see <https://ngmdb.usgs.gov/Info/standards/#CartoStnd>). Metadata must comply with FGDC standards.

During the preparation of geologic maps, please compare the stratigraphic nomenclature used on your map to that of 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.

Please see Attachment E for instructions on uploading deliverables. Any questions regarding the upload process can be addressed to the NCGMP STATEMAP Program Officer (statemap@usgs.gov).

1. Geospatial Data Availability Requirements

If you receive financial assistance from the Department of the Interior (DOI), you must follow these rules for geospatial data:

Follow Federal Standards: All geospatial data you collect or create must meet the standards set by the Federal Geospatial Data Committee (FGDC) or the Department of the Interior. This is required by the Geospatial Data Act of 2018, which is part of Public Law 115-254, specifically in Subtitle F (Geospatial Data), sections 751-759C (codified at 43 U.S.C. §§ 2801–2811).

Include Metadata: Your Geographic Information Systems (GIS) files must include complete metadata. Metadata is information that describes the data, such as where it came from, how accurate it is, and how it should be used. This is to ensure that anyone using the data understands its context and quality.

Check for Existing Data: Before you start collecting new geospatial data, you need to check GeoPlatform.gov. This is to see if there is already existing geospatial data from federal, state, local, or private sources that can meet your needs and is available for free. If such data is available, you should use it instead of gathering new data.

These rules help ensure that geospatial data is reliable, high-quality, and that resources are used efficiently.

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 25, 2024**
- Closing Date and Time for Proposal Submission: **January 7, 2025 @ 5:00 p.m. (EST)**
- Proposal Revisions: Due no later than 60 days before your requested Period of Performance start date
- Progress Report (if applicable): Due 12 months after your period of performance start date
- Deliverable submission: Due no later than 90 days after the end of your Period of Performance
- Final, published deliverables: Due within 12 months from the date of deliverables submission

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 delinquent deliverables (transmittal letter, geologic maps, and technical reports). 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.

In FY2025, many of the required elements of the proposal have been modified to “Optional” IF submitting a proposal with a request less than \$150,000 USD. Additionally, character limits have been developed for

specific proposal sections. **These sections/items will be labeled below with: **, and additional information will be provided in parenthesis.**

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

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”. A copy of the State or University’s negotiated indirect cost rate agreement is required if requesting indirect costs. Per the program authority for STATEMAP, indirect costs are capped 18%. Please note that in the absence of a negotiated indirect cost rate agreement, the maximum indirect rate that may be charged is the de minimus rate (see 2 CFR 200.414(f)).
5. Letter from the Chair of State Mapping Advisory Committee (SMAC). The letter must 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, **each Guidance Criteria (1 through 12)** aligned with those proposed projects, deliverables, whether (Yes or No) each proposed project/deliverable will include Tribal Nations land (if Yes, indicate the name of the Tribal Nation(s) and whether physical access to/sampling on this land is required), whether digital data proposed exist in geoplatform.gov, funding amount requested for each project (both federal and matched funds), and total funding requested. Please list the individual funding amount requested and matched for each Category under each project. See Attachment G for more information STATEMAP work with Tribal Nation Implications, including the Tribal Nation Notification Process.
7. **Statement of Outcome Letter. This Letter 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 (Note that this is optional for all proposals requesting less than \$150,000 USD).

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. If submitting a proposal for less than \$150,000, then the technical section is limited to 10 pages, with no smaller than 11-point font size and 1-inch margins. Please note that word count limits below apply per proposed project, not for a proposal overall.** Proposals shorter than these limits 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 the long-range mapping plan and proposed deliverables may relate to population growth, transportation corridors, or some other societal need can be very helpful. **Ideally, this section can be mostly replaced by a succinct yet informative Table. See Attachment H for an example. Introduction should be no longer than 400 words.**
 - 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 within five miles of Tribal Nation lands, to include ceded lands, this should be depicted on the aforementioned map(s). **NCGMP encourages the use of mostly figures for this section. Text is limited to 300 words.**
 - 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. **Text is limited to 500 words.**
 - 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, then 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, then 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. If geologic mapping is not being proposed, then this section may be eliminated (e.g., a proposal includes only GeMS database conversion of previously published maps).

- 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, then please include a summary of findings or outcomes. This summary should not be a list of prior STATEMAP work, but rather a summary of the current state of science and mapping in the proposed study area. (Note that this section is optional for all proposals requesting less than \$150,000 USD). **This section should be limited to no more than 200 words.**
- f. **Deliverable Geologic Maps and/or Products.** 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, then 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 was proposed and what the budget requested. For example, if you request funding for the collection of new geochemical or geochronological data, then your deliverables must include these data.
- 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. **This section should simply be a table with the above information provided.**
- 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.

An example template for data management plans is provided in Attachment H. 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).

Each 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, then 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. If proposing multiple projects, the entire budget sheet needs to be broken down by rate in addition to the individual project budget sheets (i.e., do not write, “see Project 1 for rate” or “Project 1 supplies” on entire budget sheet). 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, then the Proposal Evaluation Panel will want to know its details. **NOTE: STATEMAP proposal budgets must not exceed a Federal request of \$800,000.**

Please read each category description below and provide the detailed breakdown that is required for each. This breakdown will help avoid possible delays in processing a funded proposal, because an award will not be issued until all required information is provided.

The budgets shall contain the following:

- a. **Personnel/Salaries** - 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. 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

- b. **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.

- c. **Travel** - Itemize the estimated travel costs (i.e., number of people, number of travel days, per diem rate, mileage rate, airfare or other transportation, and any other travel costs).

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 the annual Geologic Mapping Forum meeting also does not count towards the \$6,000 maximum request..

- d. **Equipment** - List expendable equipment costs. Federal STATEMAP funds **are not** intended for the purchase of computer hardware, GPS, vehicles, or other nonexpendable property. 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.**
- e. **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. **Note: field tablets are an allowable supply expense if the price per unit does not exceed \$5,000.**
- f. **Contractual** - 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. **Sub-awards should be listed**

as a single line item in the Contractual category. A separate budget sheet providing the same level of detail for each category as described in this section is required for each sub-award and should be attached with the main recipient's proposal.

- g. **Other Direct Costs** - Includes drilling and analytical laboratory (e.g., geochemistry, geochronology, geophysics) expenses. Itemize the different types of costs not included elsewhere and explain the cost's applicability to the project.

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.

- h. **Total Direct Charges** - Total for items a – g. Total direct charges **MUST** have a 1:1 Federal/Proposing State match. Failure to do so will result in automatic ineligibility and your proposal will not be further evaluated. The match side may be higher, but it must meet the 1:1 match requirement.
- i. **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, subcontract 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).

Non-allowable Expenses

1. 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.
2. 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.
3. Computer maintenance. Routine computer maintenance contracts and charges for computer time **are not** acceptable costs (these should be covered by indirect costs).

4. 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.

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, then 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%, then the approved rate must be used. Please read the statement below carefully to fully understand the matching requirements. This statement also applies to subawards. If a sub-award is issued for a portion of your project, then 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 the recipient (at their discretion) chooses to provide an over match exceeding the 1:1 match requirement, then the State 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 the last Period of Performance, provide the specified bibliographic information for all items submitted to the NGMDB. In your proposal, indicate whether publications have or have not been uploaded to the NGMDB, 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 (Note that this is optional for all proposals requesting less than \$150,000 USD).

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 activities (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 if proposal request is greater than \$150,000? 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 renewed vision of the NCGMP to create national- and continental-resolution 2D and 3D digital geologic maps of the United States?

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 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, Statement of Outcome (if applicable), and letters of commitment from volunteers or in-kind services where necessary.

**If your State Geological Survey has received prior STATEMAP support, then the NCGMP Office will judiciously select from the NGMDB Catalog a recent, published geologic map that State to represent the quality of 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 7, 2025 @ 5:00 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, then contact the university's Office of Sponsored Programs, which 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, then 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, the grant recipient's 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, the grant recipient is required to determine if and report when proposed activities will occur on or near Federally recognized Tribal Nation land, and/or when a new data product is proposed that will cover any portion of Tribal Nation lands. See Attachment G for more information regarding Tribal Nation Implications and the Tribal Nation Notification Process.

B. Office of Management and Budget (OMB) Circulars

By accepting Federal assistance, the grant recipient's 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 Nation lands, related publications should be protected and sanitized as necessary to safeguard and prevent from release any data that a Tribal Nation has identified as proprietary or culturally sensitive. Data acquired concerning federally recognized Tribal Nation lands may not be published by a State or by USGS if a Tribal Nation 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 Nation 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 Geoscience Map Catalog. Instructions regarding how to do this are found at the NGMDB “partners” page (<http://ngmdb.usgs.gov/Info/partners.html>). Grant recipients 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 funds 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. **It is anticipated that awards will not be announced until after February 15, 2025, therefore proposed project start dates should not begin prior to May 1, 2025.** 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, then it cannot extend past **March 1 of the next year**. No-cost extensions **or deliverables submission** (e.g. within the 90-day grace period) that extend beyond **March 1st** of the next calendar year may result in a penalty for tardiness at the discretion of the STATEMAP Program Officer.

-- 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: Includes Tribal Nation Lands (Y/N): *if yes, indicate access needs Present in Geoplatform (Y/N):	
Project 2 Title: Guidance Criteria #(s): Category 1 Request: Category 2 Request: Federal Request & State Match: Deliverables: Includes Tribal Nation Lands (Y/N): *if yes, indicate access needs Present in Geoplatform (Y/N):	
Project 3 Title: Guidance Criteria #(s): Category 1 Request: Category 2 Request: Federal Request & State Match: Deliverables: Includes Tribal Nation Lands (Y/N): *if yes, indicate access needs 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, then Project Abstract Summary should be submitted after notification of Award amount.

Proposal Title:

Project Period: XX/XX/2024 – XX/XX/202X

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: _____

(Example provided in blue, please delete when using template)

Salary				
Personnel, Job Title	Rate	Time or % effort	USGS Funds	Recipient Matching
Jane Doe, State Geologist	\$35/hour	360 hours	\$6,300.00	\$6,300.00
Total			\$	\$

Fringe			
Personnel, Job Title	Fringe Rate	USGS Funds	Recipient Matching
Jane Doe, State Geologist	40.20%	\$0.00	\$5,065.20
Total		\$	\$

Travel				
Expense	Rate	Quantity	USGS Funds	Recipient Matching
Lodging	\$109/night	6 nights	\$654.00	\$0.00
Per diem				
Mileage				
Total			\$	\$

Supplies				
Expense	Rate	Quantity	USGS Funds	Recipient Matching
Thin Sections (not thin section analysis)	\$25/each	70	\$1000.00	\$750.00
Field Notebooks				
Topographic Maps				
Sample Bags				
Total			\$	\$

Attachment C

USE THE FOLLOWING FORMAT

BUDGET SHEET FOR ENTIRE PROPOSAL

Contracts				
Expense	Rate	Quantity	USGS Funds	Recipient Matching
* DC Geological Survey	--	--	\$50,000.00	\$0.00
Total			\$	\$

Sub-awards should be listed as a single line item in the “Contractual” category. A separate budget sheet is required for each subaward and should be attached with the main recipient’s proposal.

Other Direct Costs				
Expense	Rate	Quantity	USGS Funds	Recipient Matching
Drilling	\$1,300/day	5	\$ 3,250.00	\$ 3,250.00
Sample Analytics (name sample type)	\$45/sample	10	\$2,250.00	\$2,250.00
Map Digitization				
Total			\$	\$

Direct/ Indirect Costs	Rate	USGS Funds	Recipient Matching
Total Direct Costs	--	\$50,000.00	\$50,000.00
Indirect Cost (not to exceed 18%)	18%	\$9,000.00	\$9,000.00
Total		\$59,000.00	\$59,000.00
Uncollected Indirect Costs (if applicable)		--	\$9,000
Total Project Cost		\$127,000.00	

Attachment D

BUDGET SHEET FOR EACH PROJECT

State: _____

Project Number and Title: _____

Proposal Short Title: _____

(Example provided in blue, please delete when using template)

Salary				
Personnel, Job Title	Rate	Time or % effort	USGS Funds	Recipient Matching
Jane Doe, State Geologist	\$35/hour	360 hours	\$6,300.00	\$6,300.00
Total			\$	\$

Fringe			
Personnel, Job Title	Fringe Rate	USGS Funds	Recipient Matching
Jane Doe, State Geologist	40.20%	\$0.00	\$5,065.20
Total		\$	\$

Travel				
Expense	Rate	Quantity	USGS Funds	Recipient Matching
Lodging	\$109/night	6 nights	\$654.00	\$0.00
Per diem				
Mileage				
Total			\$	\$

Supplies				
Expense	Rate	Quantity	USGS Funds	Recipient Matching
Thin Sections (not thin section analysis)	\$25/each	70	\$1000.00	\$750.00
Field Notebooks				
Topographic Maps				
Sample Bags				
Total			\$	\$

Contracts				
Expense	Rate	Quantity	USGS Funds	Recipient Matching
* DC Geological Survey	--	--	\$50,000.00	\$0.00
Total			\$	\$

Sub-awards should be listed as a single line item in the “Contractual” category. A separate budget sheet is required for each subaward and should be attached with the main recipient’s proposal.

Other Direct Costs				
Expense	Rate	Quantity	USGS Funds	Recipient Matching
Drilling	\$1,300/day	5	\$ 3,250.00	\$ 3,250.00
Sample Analytics (name sample type)	\$45/sample	10	\$2,250.00	\$2,250.00
Map Digitization				
Total			\$	\$

Direct/ Indirect Costs	Rate	USGS Funds	Recipient Matching
Total Direct Costs	--	\$50,000.00	\$50,000.00
Indirect Cost (not to exceed 18%)	18%	\$9,000.00	\$9,000.00
Total		\$59,000.00	\$59,000.00
Uncollected Indirect Costs (if applicable)		--	\$9,000
Total Project Cost		\$127,000.00	

Attachment E

SPECIAL TERMS AND CONDITIONS

THE STATE COMPONENT OF THE NATIONAL

COOPERATIVE GEOLOGIC MAPPING PROGRAM (STATEMAP)

OFFER AND ACCEPTANCE:

The United States of America, acting by and through the U.S. Geological Survey (USGS), hereby offers a Cooperative Agreement to the Recipient (see page 1, block 9a. titled *Grantee Name and Address*), which will be identified as the “recipient” throughout the remainder of this document.

Acceptance of a federal financial assistance award from the Department of the Interior (DOI) carries with it the responsibility to be aware of and comply with the terms and conditions of the award. Acceptance is defined as the start of work, drawing down funds, or accepting the award by signature or electronic means. Awards are based on the application submitted to and approved by DOI and are subject to the terms and conditions incorporated either directly or by reference below.

SECTION A – PROJECT DESCRIPTION

A.1 Project Description

The primary objective of the STATEMAP component of the National Cooperative Geologic Mapping Program (NCGMP) is to establish the geologic framework of areas determined to be vital to the economic, social, or scientific welfare of individual States. STATEMAP mapping priorities are established by State Geological Surveys in consultation with a multi-representational State Mapping Advisory Committee. These priorities are based on multiple factors including: a) State requirements for geologic-map information in areas of multiple-issue need or areas of compelling single-issue need, and b) State requirements for geologic-map information in areas where mapping is required to solve critical earth-science problems. In recent years, STATEMAP efforts have focused primarily on geologic maps that address land-use, water resources, aggregate and mineral resources, oil and gas, and natural hazards issues.

A.2 USGS Involvement

Substantial involvement is anticipated through the terms of this agreement between the USGS and the recipient. USGS involvement will be in the form of collaboration and joint participation.

SECTION B – FUNDING AND AWARD PERIODS

B.1 Funding

- a) The total estimated cost of the USGS share for the performance of this agreement is located on page 1, block 13 titled *Total Federal Funds Awarded to Date for Project Period*, and is inclusive of any renewal years.
- b) The amount of federal funds obligated under this agreement shall be available for payment of costs incurred by the recipient in performance of this agreement (see page 1, block 6 titled *Project Period*). In no event shall costs be incurred in performance of this agreement in excess of the funds currently obligated (see page 1, block 13 titled *Total Federal Funds Awarded to Date for Project Period*).

B.2 Award Period

The initial budget period is located on page 1, block 7 titled *Budget Period*. The total project period is located on page 1, block 6 titled *Project Period*.

B.3 Pre-Agreement Costs

The recipient is not authorized to incur costs prior to the award of this agreement. Costs incurred prior to the award of this agreement are not allowable.

SECTION C - DELIVERABLES

C.1 Progress Reports

- a) The recipient must submit annual progress reports electronically through GrantSolutions (<https://home.grantsolutions.gov/home/>) or via e-mail to the USGS Program Officer (STATEMAP@usgs.gov) and one copy of the transmittal letter to the USGS Grants Specialist (abrazil@usgs.gov) within 90 calendar days after the agreement year (i.e., 12 months after the approved effective date of the agreement and every 12 months thereafter until the expiration date of the agreement.). For agreements with a total anticipated performance period of twelve (12) months or less, only a final technical report will be required. A progress report is not required in the final budget year, unless the recipient requests an extension to the project period.
- b) The progress reports shall include the following information:
 - (i) A comparison of actual accomplishments to the objectives of the agreement established for the budget period and overall progress in response to the performance metrics.
 - (ii) The reasons why established goals were not met, if appropriate.
 - (iii) Additional pertinent information including, when appropriate, analysis and explanation of cost overruns or high unit costs.

- (iv) An outline of anticipated activities and adjustments to the program during the next budget period.
- c) Between the required reporting dates, events may occur which have significant impact upon the project or program. In such cases, the recipient shall inform the USGS as soon as the following types of conditions become known:
 - (i) Problems, delays, or adverse conditions which will materially impair the ability to meet the objective of the agreement. This disclosure must include a statement of the action taken, or contemplated, and any assistance needed to resolve the situation.
 - (ii) Favorable developments which enable meeting time schedules and objectives sooner or at less cost than anticipated or producing more or different beneficial results than originally planned.

C.2 Final Technical Report

- a) The Recipient must submit the final technical report electronically through GrantSolutions (<https://home.grantsolutions.gov/home/>) or via e-mail to the USGS Program Officer (STATEMAP@usgs.gov) and one copy of the transmittal letter to the USGS Grants Specialist (abrazil@usgs.gov). The final performance report will be due 90 calendar days after the period of performance end date.
- b) The final technical report shall document and summarize the results of Recipient's work. The report shall include a quantitative description of activities and overall progress in response to the performance metrics which documents and summarizes the results of the entire agreement. The final report shall include tables, graphs, diagrams, sketches, etc., as required to explain the results achieved under the agreement. The report shall also include recommendations and conclusions based upon both the experience and the results obtained.

C.3 Annual Financial Reports

- a) The Recipient must submit an annual SF 425, Federal Financial Report, for each individual USGS award. The SF 425 is available at grants.gov/forms/forms-repository/post-award-reporting-forms. The SF 425 will be due within 90 days following the end of the annual period or within 90 days following the end of each annual period coinciding with the award start date.
- b) The SF 425 must be submitted electronically through GrantSolutions (<https://home.grantsolutions.gov/home/>) or by e-mail to SF425@usgs.gov with a cc to the USGS Grants Specialist (abrazil@usgs.gov). Recipient must include the USGS award number (see page 1, block 4 titled *Grant No.*) in the subject line of all e-mail correspondence. If, after 90 days, recipient has not submitted a report, then the recipient's account in Automated Standard Application for Payments (ASAP) will be placed in a manual review status until the report is submitted.

C.4 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 120 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 Grants Specialist (abrazil@usgs.gov) 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.

C.5 Publications

a) Acknowledgment of Support

Recipient is responsible for assuring that an acknowledgment of USGS support:

1. is made in any publication (including World Wide Web pages) of any material based on or developed under this agreement, in the following terms:

This material is based upon work supported by the U.S. Geological Survey under Grant/Cooperative Agreement No. (see page 1, block 4 titled: Grant No.).

2. is orally acknowledged during all news media interviews, including popular media such as radio, television and news magazines.

b) Disclaimer

Recipient is responsible for assuring that every publication of material (including World Wide Web pages) based on or developed under this agreement, contains the following disclaimer:

The views and conclusions contained in this document are those of the authors and should not be interpreted as representing the opinions or policies of the U.S. Geological Survey. Mention of trade names or commercial products does not constitute their endorsement by the U.S. Geological Survey.

c) USGS Logo

Use of the USGS logo (also known as "visual identity" or "identifier") constitutes the recipient's agreement to and acceptance of the following terms:

- The USGS identifier is trademarked and not in the public domain.
- Use of the trademarked USGS identifier is authorized by USGS for use only by recipients of USGS funding.
- Use is authorized on information products that result from research funded by the financial assistance award.
- Use the USGS identifier for any other purpose without written permission from USGS is prohibited; doing so constitutes trademark infringement.
- Recipient will adhere to the design requirements, which are as follows:
 - The USGS identifier must appear in black, white, or green only.
 - The USGS identifier cannot be modified in any way except for proportional sizing.
 - The USGS identifier should appear at the same size as logos of other agencies, if any.
 - If used on a digital product, then the USGS identifier should link to www.usgs.gov

d) Publication

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. Such manuscripts or publications submitted to journals or professional publications for publication shall be accompanied by the following notation:

This manuscript is submitted for publication with the understanding that the United States Government is authorized to reproduce and distribute reprints for Governmental purposes.

e) Copies for USGS

Recipient is responsible for assuring that the USGS Project Office is provided a digital version of every accepted manuscript upon acceptance for publication.

f) Department of the Interior Requirements

Two copies of each publication produced under a grant or cooperative agreement shall be sent to the Natural Resources Library with a transmittal that identifies the sender and the publication. The address of the library is:

U.S. Department of the Interior
Natural Resources Library
Division of Information and Library Services
Gifts and Exchange Section
18th and C Streets, NW
Washington, DC 20240

SECTION D – ASSISTANCE ADMINISTRATIVE DATA

D.1 Assistance Administration

This agreement will be administered by:

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

Written communications shall make reference to the assistance award number and shall be mailed (or emailed) to the above address.

D.2 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).

- a) The recipient agrees that they have established or will establish an account with ASAP. USGS will initiate enrollment in ASAP. If the recipient does not currently have an ASAP account, then they must designate an individual (name, title, address, phone and e-mail) who will serve as the Point of Contact (POC).
- b) 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's complete enrollment in ASAP and link 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.
- c) Inquiries regarding payment should be directed to ASAP at 855-868-0151.
- d) Payments may be drawn in advance only as needed to meet immediate cash disbursement needs.

D.3 Revisions and Prior Approvals

Modifications to this agreement shall generally be executed by mutual written consent of the parties, with the exception of certain purely administrative changes that may be executed unilaterally by the USGS. Recipients may make certain limited budgetary and programmatic changes without prior USGS approval as outlined in 2 CFR 200.308 and 200.407. Any proposed change which requires prior written approval of the USGS shall be sent to STATEMAP@usgs.gov at least thirty (30) days prior to the requested effective date of the proposed change. The USGS will respond to the change request within thirty (30) days of receipt.

- a) Extensions. Recipients are specifically advised that requests for extension or other change to the budget or project period(s) require prior written approval. Such requests must be submitted as outlined above and be accompanied by a statement supporting the extension and a revised budget (if necessary) indicating the planned use of all unexpended funds during the proposed extension period. A revised budget is not required for no cost extensions.
- b) Transfer of Funds. Recipients are specifically advised that prior written approval is not required for transfer of funds between direct cost categories when the cumulative amount of the transfer during the performance period does not exceed ten percent (10%) of the total USGS award. Prior written approval is required from the USGS Program Office for transfers of funds in excess of the ten percent limitation.
- c) Carry Forward of Funds. Not Applicable to awards issued under the STATEMAP Program.

SECTION E - GENERAL PROVISIONS

E.1 Department of the Interior Standard Terms and Conditions

The recipient shall be subject to the Department of the Interior Standard Terms and Conditions which are incorporated herein by reference and available on the Internet at: [DOI Standard Terms and Conditions | U.S. Department of the Interior](https://www.doi.gov/grants/doi-standard-terms-and-conditions): <https://www.doi.gov/grants/doi-standard-terms-and-conditions>

E.2 Additional 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) Data Availability

- 1) Applicability. The Department of the Interior is committed to basing its decisions on the best available science and providing the American people with enough information to thoughtfully and substantively evaluate the data, methodology, and analysis used by the Department to inform its decisions.
- 2) Use of Data. The regulations at 2 CFR 200.315 apply to data produced under a federal award, including the provision that the Federal Government has the right to obtain, reproduce, publish, or otherwise use the data produced under a federal award as well as authorize others to receive, reproduce, publish, or otherwise use such data for federal purposes.
- 3) Availability of Data. The recipient shall make the data produced under this award and any subaward(s) available to the Government for public release, consistent with applicable law, to allow meaningful third party evaluation and reproduction of the following:
 - a. The scientific data relied upon;
 - b. The analysis relied upon; and
 - c. The methodology, including models, used to gather and analyze the data.

c) Conflict of Interest

- 1) Applicability.
 - a. This section intends to ensure that non-federal entities and their employees take appropriate steps to avoid conflicts of interest in their responsibilities under or with respect to federal financial assistance agreements.
 - b. In the procurement of supplies, equipment, construction, and services by recipients and by subrecipients, the conflict of interest provisions in 2 CFR 200.318 apply.
- 2) Requirements.
 - a. Non-federal entities must avoid prohibited conflicts of interest, including any significant financial interests that could cause a reasonable person to question the recipient's ability to provide impartial, technically sound, and objective performance under or with respect to a federal financial assistance agreement.
 - b. In addition to any other probations that may apply with respect to conflicts of interest, no key official of an actual or proposed recipient or subrecipient, who is substantially involved in the proposal or project, may have been a former federal employee who, within the last one (1) year, participated personally and substantially in the evaluation, award, or administration of an award with respect to that recipient or subrecipient or in development of the requirement leading to the funding announcement.

- c. No actual or prospective recipient or subrecipient may solicit, obtain, or use non-public information regarding the evaluation, award, or administration of an award to that recipient or subrecipient or the development of a federal financial assistance opportunity that may be of competitive interest to that recipient or subrecipient.

3) Notification.

- a. Non-federal entities, including applicants for financial assistance awards, must disclose in writing any conflict of interest to the DOI awarding agency or pass-through entity in accordance with 2 CFR 200.112, Conflicts of Interest.
 - b. Recipients must establish internal controls that include, at a minimum, procedures to identify, disclose, and mitigate or eliminate identified conflicts of interest. The recipient is responsible for notifying the USGS Grants Management Official in writing of any conflicts of interest that may arise during the life of the award, including those that have been reported by subrecipients.
- 4) Restrictions on Lobbying. Non-federal entities are strictly prohibited from using funds under this grant or cooperative agreement for lobbying activities and must provide the required certifications and disclosures pursuant to 43 CFR Part 18 and 31 USC 1352.
- 5) Review Procedures. The USGS Grants Management Official will examine each conflict-of-interest disclosure on the basis of its particular facts and the nature of the proposed grant or cooperative agreement and will determine whether a significant potential conflict exists and, if it does, develop an appropriate means for resolving it.
- 6) Enforcement. Failure to resolve conflicts of interest in a matter that satisfies the Government may be cause for termination of the award. Failure to make required disclosures may result in any of 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, then 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 Equipment or Equipment Authorized for Purchase

Title to equipment 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 an inventory of such equipment as long as there is a need for such equipment 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 equipment to accomplish the purpose of the project, the recipient shall use the equipment in connection with other federal awards the recipient has received. Disposal of equipment shall be in accordance with 2 CFR 200.313.

No equipment is provided or authorized for purchase on this cooperative agreement.

SECTION F – SPECIAL PROVISIONS

Geospatial Requirements

The Geospatial Data Act of 2018 outlines specific requirements for federal recipients when collecting or producing geospatial data using Department of the Interior financial assistance funds. Here's a summary of the key points:

- **Due Diligence Search:** Federal recipients must first check the GeoPlatform.gov list of datasets to see if the needed geospatial data, products, or services already exist.
- **Use of Existing Data:** If the required data is already available, recipients must use it rather than producing new data.
- **Production of New Data:** If the needed data is not available, recipients must produce new geospatial data, products, or services in accordance with guidance and standards established by the Federal Geospatial Data Committee (FGDC), which can be found at www.fgdc.gov.
- **Submission Requirements:** Recipients must submit a digital copy of all GIS data produced or collected under the award to the relevant bureau or office.
- **Data Format:** All GIS data files must be in an open format.
- **Metadata Requirements:** All delineated GIS data (such as points, lines, or polygons) should be compliant with approved open data standards and include complete feature-level metadata.

These requirements ensure that geospatial data is managed efficiently, used appropriately, and made accessible in a standardized format for future use and sharing.

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.
- (c) Bureaus and offices of the Department of the Interior must include the language in paragraphs (a) and (b) of this section in full text in all Notices of Funding Opportunity (NOFOs) and financial assistance agreements.

SECTION G – DOCUMENTS INCORPORATED BY REFERENCE AND ORDER OF PRECEDENCE

G.1 Documents Incorporated By Reference

The following documents are hereby incorporated into this agreement by reference:

- 1) The Recipient's proposal
- 2) The Recipient's application for financial assistance (SF424, SF424A, SF424B)

G.2 Order of Precedence

In the event of any inconsistency within this agreement, the following order of precedence shall be followed:

- 1) The cover page.
- 2) Sections A through F of this agreement.
- 3) Documents incorporated by reference (see G.1) in the order in which they are incorporated.

– END OF ASSISTANCE AWARD DOCUMENT –

Attachment F

INSTRUCTIONS FOR UPLOADING DELIVERABLES

The National Cooperative Geologic Mapping Program Management System is no longer active. Deliverables should be uploaded via SharePoint, instructions provided below: The NCGMP requires all STATEMAP deliverables other than GeMS Level 3 databases be submitted via SharePoint.

Receiving a SharePoint Link

Sixty days prior to the end of your Period of Performance, the PI will receive an email from the STATEMAP Program Officer providing instructions to submit deliverables to SharePoint. Within that email, a unique link will be provided to each PI where all deliverables (except GeMS databases) should be deposited. If the PI would like a dedicated deliverable link sent earlier than 60 days prior to the end of your Period of Performance, then please email STATEMAP@usgs.gov to request.

In lieu of submitting the confirmation email from the NGMDB to provide evidence of submission of GeMS databases, submission of Attachment J is now required to accompany each GeMS database. This Attachment should be uploaded to SharePoint.

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 [NGMDB | GeMS \(usgs.gov\)](https://ngmdb.usgs.gov) for guidance on preparing GeMS databases for 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

STATEMAP Proposals that include lands of American Indian Tribes, Alaska Native Tribes, and Alaska Native Corporations (collectively referred to as Tribal Nations) require Program Review to determine whether the project is subject to the NCGMP Tribal Nation Implications Assessment and Notification Process. Generally, this process is triggered if the answer to any of the following is “Yes”:

- Does any portion of the proposal study area(s) include Tribal Nation land (this also refers to known ceded land and land areas with where Tribal Nations have reserved rights)?
- Will any of the products resulting from the work in the proposal (i.e., deliverables) include data collected on or over Tribal land (including interpolated data), regardless of when the data was collected, who it was collected by, or previous use/publication of the data?
- Is access to, or sampling on, any Tribal Nation land (including ceded land and or areas with reserved rights) required to support the work in the proposal?

If the answer to any of the above questions is “Yes”, the NCGMP will conduct a Tribal Nation Implications Assessment and, if deemed appropriate, mark the proposal as subject to the Notification Process upon receipt/approval of revisions. Key elements in this process include:

- **Physical Access to Tribal Nation Land:** if access to Tribal Nation land is wanted, States must contact the appropriate Tribal Nation authority to request/obtain access and provide a copy of this permission to the NCGMP **before** the Award is forwarded to OAG for processing; if physical access is not desired, no immediate State action is required.
- **Sampling on Tribal Nation Land:** If the proposed work includes any type of earth disturbing activity (e.g., digging, rock sampling), the State is legally required to comply with project review requirements set forth under the National Historic Preservation Act (NHPA), known as “Section 106”. This applies even if the work is requested by the Tribal Nation or if the Nation has granted permission to conduct research/sampling on their lands. States may not undertake activities subject to a NHPA until the Section 106 review is complete. The NCGMP will work with States to help coordinate the review as needed.
- **USGS Tribal Nation Notification:** Following approval of proposal revisions, NCGMP will prepare and coordinate the USGS Tribal Nation Notification Letter(s) for each Tribal Nation affected by the proposed work; after the appropriate USGS Regional Director signs the Tribal Nation Notification Letter, NCGMP will ensure the letter is sent to the Tribal Nation with a courtesy copy to the PI of the respective STATEMAP Award.

Questions regarding the Tribal Nation Implication Assessment and Notification Process, or anything related to work on Tribal Nation land, should be sent to statemap@usgs.gov.

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>

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

- If yes, where are the data made available?

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

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

7. What data format is the data released in?

☐CSV ☐Shapefile ☐GeoTIFF ☐GeMS ☐Other:

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

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

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

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

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

Attachment I
EXAMPLE TABLE FOR INTRODUCTION SECTION

Project Title	Deliverables	Relation to Long-Term Mapping Plan	Societal Relevance	Scientific Problems to be Addressed
Project 1: The Marketti Project	Bedrock geologic map of the Marketti 7.5-minute quadrangle at 1:24,000 scale	Priority 3: Drinking water management in growing population areas	Surface and groundwater management, agriculture, ecological habitats	Landslides, fault mapping, stratigraphic correlation across the Marketti area
Project 2: The Soller Project	Surficial geologic map of the Soller 30x60-minute quadrangle at 1:100K scale	Priority 2: Identify and characterize potentially life-threatening hazards	Geohazard assessment, management of public and Tribal Nation lands	Characterize and identify faults and landslides in support of geohazard assessments
Project 3: The Shelton Project	GeMS Level 3 geodatabase of a 1:100K scale compilation of the northern half of the state	Priority 1: Uniform mapping and seamless statewide coverage	USGS USGI, management of public and Tribal Nation lands	Create statewide and regional models of tectonics
Project 4: GeMS Geodatabases	GeMS Level 3 database of the Ritzel 7.5-minute quadrangle (PDP = 234567); GeMS Level 3 database of the Swezey 30x60-minute quadrangle (PDP = 876543);	N/A: USGS Priority	USGS USGI	Serving standardized geologic mapping data to the public

Attachment J

GEMS SUBMISSION FORM

Submitter Name: _____

Submitting Organization: _____

Contact Email: _____

Product is GeMS Level (Circle):

Level 1

Level 2

Level 3

Pre-Compliant

Non-Compliant

Has the GeMS Compliance Checklist been Completed? Yes No

Has this GeMS product been published? Yes No

If unpublished, are there plans for this to be published in the future? Yes No

Does your agency approve this product for public download from the NGMDB? Yes No

Does this GeMS Database include protected or proprietary data? Yes No

This GeMS Deliverable is a (choose one)

☐ **Revision of a published map** — the GeMS file's content includes somewhat or substantially modified science from what is shown on the map. For example: one or more faults have been added, removed, or their position modified; the topology of one or more geologic map unit polygons has been modified; or, in your judgement, there have been significant changes to one or more map unit descriptions (i.e., not just grammatical, or typographical corrections).

☐ **Reproduction of a published map** — the conditions noted for a Revision are not met, and the GeMS file is a digital rendition of the published map graphic.

☐ **Reproduction of a published map, with value added content** — for example, an ancillary table or set of point locations for geochemistry or geochronology not shown on the published map (or the accompanying text report) have been included in, or accompany, the GeMS database.

☐ **Compilation of published maps** — all or parts of two or more published maps are included in the GeMS database. The content of these source maps has or may not have been revised in the compilation.

☐ **New, stand-alone digital map product** — a new map database or map compilation database that is not managed by your agency as part of a pre-existing or newly-published geologic map product. For example, the published map graphic is designated in your agency's publications-management system in a different Series than the map database or is given a different Series Number.

☐ **Other** _____

Primary NGMDB Record ID : _____ OR N/A if not yet in the NGMDB
(Enter the individual NGMDB record ID that matches this specific product; i.e., what is the NGMDB ID for the paper map??)

A new NGMDB Map Record has been submitted: Y or N

Additional NGMDB Record ID(s) which should be associated with this submission
(enter multiple NGMDB Record IDs as a comma separated list): _____

Full bibliographic citation for the published product, please provide the citation associated with the specific product being submitted to the GeMS Archive.

Title: _____

Authors: _____

Series Name: _____

Series Number: _____

Publishing Organization: _____

Publication Date: _____

Scale: _____ # of Plates (for the complete product): _____

Pamphlet or Report Available: Yes No

Direct URL where users may access the GIS files, PDF(s), and/or pamphlets and reports from submitting agency site: _____

OR GIS data are not yet available

Please list any supplemental resources excluded from the GeMS Submittal Package that are available at the above link.

-- End of Agreement --