

Division of Geological & Geophysical Surveys

Geologic Mapping Advisory Board

Fall Meeting Minutes

20 October 2020, 9 – 11:20 am

CONVENE Session (Chair)

9:00 am

Call to order, logistics, roll call: Jamey Jones calls meeting to order.

GMAB members present:

Jamey Jones (chair)
Steve Adamczak
Maragret Darrow
Curt Freeman

Tom Homza
Nicole Kinsman
Mitch McDonald,
Rob Retherford

Excused members:

Paul McCarthy
Jaime Marunde

Eight of ten Board Members present.

Review and approve agenda:

Curt Freeman motion to approve, Margaret Darrow seconds the motion
Motion to approve agenda passed.

Review and approve January 27, 2021 meeting minutes:

Curt Freeman motions to approve, Nicole Kinsman seconds the motion
All in favor, Motion to approve January 27, 2021 meeting minutes passed.

Recruitment of DGGGS State Geologist:

Steve Masterman gave an update of the recruitment status for the State Geologist
Position at DGGGS.

Old Business

9:10 am

Status of StateMap program and other DGGGS news

S. Masterman

Steve Masterman gave an overview of the FY22 division budget, StateMap awards summary, funding increase for EarthMRI, StateMap awards summary, and FY22 Operating Budget (general funds) increased from previous year. Critical minerals proposal to the Governor's Officials of expansion of geologic mapping in the state. Summary of the geologic mapping project and geophysical surveys ten -year program.

DGGGS field work summary – 986 fields of work completed by field crews.

AK Geospatial Office is in the transition of becoming an office.

All state Geospatial data will be transferred to this office.

Landslides Hazards Program partnership with USGS and currently identifying staffing and program goals. This project is funded by USGS.

Jamey Jones asked if the proposal includes both critical minerals and EarthMRI?

S. Masterman replied the EarthMRI is included with the Critical Minerals proposal, EarthMRI would be needed. J. Jones commented the overlap of both programs would be expected.

New Business – Presentation started by DGGGS staff

9:45 am

2022 Engineering Geology StateMap Project
Deliverables, Project Summary, & Future Plans

D. Stevens

DeAnne Stevens gave a summary about the Haines 2022 StateMap proposed project – landslides mapping project of Southeast, Alaska primarily Haines. This proposed project includes the data acquisition of area bedrock geology, detailed lithologic and structural data including samples for testing.

close Rob Rutherford asked on the list of priorities to be studied are there regions in proximity to communities? D. Stevens replied the goal is to prioritize communities and a list of strategies for collecting data sets. StateMap is geologic mapping and not landslides hazards. No Landslide analysis in populated areas. StateMap work in non-populated areas.

2020/2021 Energy Resources Program
Deliverables & Recent Fieldwork Summary

10:15 am

T. Herriott/A. Willingham

Tristan Herriott gave a summary of the rooftop Ridge and Racetrack Basin StateMap projects in the Central North Slope – Northern Alaska.

Amanda Willingham gave a recap of the 2021 summer field season in the Central North Slope area. Most areas not able to process due to geologic formations. Documentation of two previously unknown petroliferous zones. First survey completed by a manually flown drone. Historical mapping excellent with some revisions.

Jamey Jones commented on the high-quality geologic mapping work by the field crew.

2020/2021 StateMap Supplemental Program
Deliverables & Current Project Summary

10:30 am

J. Athey/M. Hendricks

Jennifer Athey gave a summary of current StateMap mapping projects and GeMS conversions. Alaska State Compilation Map has four active projects, Two StateMaps, FY21 NGGDPP, Conversion of eight North Slope/Brooks Range maps to GeMS, and conversion of seven Seward Peninsula area maps to GeMS.

Jennifer Athey asked the board where to map?

Rob Rutherford asked Is the Seward Peninsula a focus or is the Southwest of the state more of a priority? J. Athey replied Southwest area is a priority. S. Masterman commented the Southwest area is a higher priority for new data collection for the EarthMRI project.

Rob Rutherford. Thank you all for your efforts on prioritizing the areas to be covered. Critical Minerals is driving a lot of things. J. Athey commented strategy of overlap between Critical Minerals and Mapping. J. Jones commented Critical Minerals are exploded for communities. Go anywhere and one could find critical minerals.

10:50am

M. Hendricks

Mike Hendricks gave a summary AKGeMS database, conversions tools, and published AK GeMS production workflow and task list., published standards with data dictionary including symbology.

Due to time limit – no questions – move to next presentation.

2020/2021 National Data Preservation Program 11:00 am
Deliverables & Current Projects Summary *J. Athey*

Jennifer Athey gave of summary of three project options for NNGDPP Traditional Data Preservation FY 21.

- Preservation of legacy data sets conversion of paper records and/or analog
- GeMS conversion of four maps: Yukon Territory and three maps of the Seward Peninsula.
- Data sales/distribution – add on to GMC. Inventory database for business processes.

FY22 NNGDPP EarthMRI – project ideas:

- Complete inventory of Union Bay and Duke Island, core at GMC
- Conversion of GMC reports to actual geochemical data publications. Combine geochemical data with DGGG AK Geochemistry Database
- Research and update AGDI records

Jamey Jones comment circulate a survey to Board members would be the best option.

Public Comments or questions - none 11:15 am

Board Business 11:15 am

Feedback and comments – no comments
Board discussion, (closed to the public)
DGGG Director position
Next meeting schedule
J. Jones & board members

ADJOURN 11:20 am