

# **Promoting Student Interest in Geology and Geological Engineering**

**Submitted by:**

**Association of UND Geologists**

- Total Funding Request - \$5,300**
- Total Project Costs - \$10,600**
- Project Duration: 2 months**

# PROJECT DESCRIPTION

- This proposal outlines a 3-day field trip to show participants just how exciting many aspects of geology are: such as petroleum geology, sedimentology, stratigraphy, paleontology, geomorphology, slope stability, and more. The overall goal of this proposed field trip is to expose students to the fields of geology and geological engineering in a fun and exciting non-classroom setting, in order to increase interest in the field of geology and increase the enrollment of GGE students at the Harold Hamm School of Geology and Geological Engineering (HHS/GGE). This will help provide more geologists to support North Dakota businesses and industry. A secondary benefit will be that some students, even if they elect not to become majors, will be exposed to the geology of North Dakota and to the importance of oil and gas production to our state.

## TECHNICAL REVIEWERS' RATING SUMMARY

		Technical Reviewer			
Statement	Weighting Factor	<u>G-49-03A</u>	<u>G-49-03B</u>	<u>G-49-03C</u>	<u>Average Weighted Score</u>
Objectives	9	5	3	5	36
Achievability	7	5	4	2	21
Methodology	8	5	3	4	32
Contribution	8	4	4	3	24
Awareness / Background	5	5	4	4	20
Project Management	3	4	3	3	9
Equipment / Facilities	2	4	4	5	8
Value / Industry-Budget	4	4	4	5	16
Financial Match – Budget	4	4	4	3	12
<b>Average Weighted Score</b>		229	180	186	198
<b>Maximum Weighted Score</b>				<b>250 possible points</b>	

# TECHNICAL REVIEWER TOTALS

- G-49-03A

Average Weighted Score: **229 out of 250**

**FUND**

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- G-49-03B

Average Weighted Score: **180 out of 250**

**FUND**

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- G-49-03C

Average Weighted Score: **186 out of 250**

**FUND**

# TECHNICAL REVIEWER COMMENTS

## **Reviewer G-49-03A**

Overall, the logic to inspire students to consider a potential course of study in geology or geologic engineering is very good. Hands on experience, when you can hold history in your hand, walk among 65 million year old geologic features, and see how knowledge in these majors translates to high-demand (and rewarding) careers in North Dakota and in the oil and gas industry provides great value. It supports good program growth at one of our universities and continues to grow awareness and support from one of the state's key industries. Ensuring we inspire and promote careers in this area is a key goal in helping North Dakota's economy to remain strong.

**Recommendation: Fund**

## **Reviewer G-49-03B**

I appreciate a project championed and organized by a student organization, as well as support shown them by industry through tours and education. It seems like a grassroots approach to education and promotion of the industry. I encourage the PI to identify any enrollment changes from the initiative, and survey students' perspectives following the event.

**Recommendation: Fund**

## **Reviewer G-49-03C**

This proposed project presents a potential to have a small impact on the inflow of trained geoscientists to staff the North Dakota oilfield. Because so little money is being requested, and because the project has potential to impact many beyond just those students selected for the field trips, this seems like a worthy investment by the state. The only flaw this reviewer noticed was timing. If funds are needed to begin efforts immediately in preparation tasks, this project will struggle. In the event the OGRC opts to recommend funding for this project, it is likely that funds will not be available until after the scheduled field trip in September.

**Recommendation: Fund**

## Director's Recommendation:

The duration of this project does not allow for the final report to track ongoing enrollment. Request the applicant provide further measurement of success through student surveys, comments, and group report highlighting their experience. The timing of reimbursement has been discussed with the PI and, should the project be funded, those issues have been resolved.

**Fund in the amount of \$5,300 with the contingency that the final report include student surveys, comments and a group report highlighting the students experience.**