

**From:** Jarchow, Meghann E  
**Subject:** Sustainable RIVER REU at the University of South Dakota

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The Sustainability Program at the University of South Dakota is offering a NSF REU program this summer titled “Sustainable RIVER (Remediating InVasives to Encourage Resilience).” Sustainable RIVER is a full-time, paid, undergraduate research opportunity. In the Sustainable RIVER project, the students will investigate different invasive elements and cultural and natural stressors affecting the Missouri River. The students will conduct an independent research project (see below), participate in six field trips on and along the Missouri River, and produce a team project.

Research projects for the summer of 2018 are:

- Effects of invasive trees on native floodplain forest vegetation and breeding birds
- Effects of modified sediment loads on Missouri River and tributary hydrology
- Effects of invasive fish on Missouri River food webs
- Construction of a Missouri River participatory geographic information system database
- Terrestrial land-use changes along the Missouri National Recreational River
- Understanding competing value claims of the Missouri River
- Effects of contaminants and pathogens on amphibians along the Missouri River
- Ethnohistorical relationships among American Indian tribes and the Missouri River
- Reincorporating prairies into Missouri River landscapes

The Sustainable RIVER project will run from 29 May 2018 to 3 August 2018. Students participating in the project will receive a \$5,500 stipend plus additional funding for food, housing, and travel. This project is open to any undergraduate student, but students from community or tribal colleges and students studying sustainability are especially encouraged to apply. Applications for the project can be submitted now through 19 February 2018.

Please forward this e-mail onto students who may be interested in this opportunity.

If you would like more information about the Sustainable RIVER project, please visit [www.SustainableRIVER.org](http://www.SustainableRIVER.org).

Thank you,

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