

## Salton Sea Summer 2021 GSR Positions: Economics



The project is to help determine [the long-term status of southern California's Salton Sea region](#). UCSC is convening an Expert Panel to review [11 proposals](#) for long-term restoration and management of the Salton Sea, which is rapidly evaporating and shrinking. Six GSRs, working alongside private sector engineering and environmental firms, will support the Panel. Each position is for three summer months at 100% time, with the possibility of an additional academic quarter GSR if the project dictates. The project PI is Professor Brent Haddad, Environmental Studies. The eleven proposals range from short overviews to long, detailed plans with technical details included. The project is funded by the California Natural Resources Agency which is tasked with determining a strategy for Salton Sea restoration.

Two positions will be available for a GSR with expertise in economics. Work will include:

Analysis of costs and benefits of long-term restoration of the Salton Sea considering multiple scenarios (eventual salinity, sea elevation, economic impacts) and alternative restoration strategies. Costs will include project construction and annual operating costs. Benefits will include environmental, including improvement of bird habitat and the Salton Sea fishery; economic, including expansion of tourism, residences, and related businesses; public health, including suppression of airborne aerosols; and other benefits.

The graduate students will work independently and in teams under the guidance of Professor Haddad and the engineering consulting firms as appropriate to accomplish their tasks.

To apply for a GSR position, please complete [this](#) brief application and upload your resume and any related papers or publications. If you have questions, please contact Prof. Haddad at [bhaddad@ucsc.edu](mailto:bhaddad@ucsc.edu).

Positions are subject to finalization of contract between UCSC and California Natural Resources Agency, expected soon. Positions open until filled or redefined. The first review of applications will take place May 10, 2021.



# Institute for Social Transformation

INQUIRY WITH IMPACT

## Salton Sea Summer 2021 GSR Positions: Earth & Planetary Sciences/Engineering/ENVS/Related Fields



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Each position is for three summer months at 100% time, with the possibility of an additional academic quarter GSR if the project dictates. The project PI is Professor Brent Haddad, Environmental Studies.

Two positions will be available for a GSR with expertise in environmental studies, earth and planetary sciences, engineering or related experience. Work will include:

Position 1: Evaluation of surface water - groundwater dynamics and status, including projected impacts of proposals on the sea. Review planned locations for proposed water transfer infrastructure. Provide other assistance in proposal evaluation.

Position 2: Preparation of technical summaries that will enable comparison of restoration proposals. Contribution to technical analysis of cost and benefits analyses.

The graduate students will work independently and in teams as appropriate with guidance from Professor Haddad and the engineering consulting firm to accomplish their tasks. The tasks may be combined or reassigned among the two positions depending on expertise and availability.

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## Salton Sea Summer 2021 GSR Positions: GIS



The project is to help determine [the long-term status of southern California's Salton Sea region](#). UCSC is convening an Expert Panel to review [11 proposals](#) for long-term restoration and management of the Salton Sea, which is rapidly evaporating and shrinking. The eleven proposals range from short overviews to long, detailed plans with technical details included. The graduate student will work under the guidance of a private sector firm who is assisting with the evaluation. The project is funded by the California Natural Resources Agency which is tasked with determining a strategy for Salton Sea restoration.

The position is for three summer months at 100% time, with the possibility of an additional academic quarter GSR if the project dictates. The project PI is Professor Brent Haddad, Environmental Studies.

Work will include setting up a collaboration tool that will be available to all the project participants (expert panel, engineering consultants, other UCSC participants), upload layers, digitize restoration proposals and other data. The maps identify the land types and infrastructure plans of alternative approaches to restoring the Salton Sea. This tool will enable the panel and others to quickly compare alternatives.

This GIS position is one of six GSRs that will be funded for summer '21 covering economics, engineering, hydrology, and GIS.

To apply for this GSR position, please complete [this](#) brief application and upload your resume. If you have questions, please contact Prof. Haddad at [bhaddad@ucsc.edu](mailto:bhaddad@ucsc.edu).

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