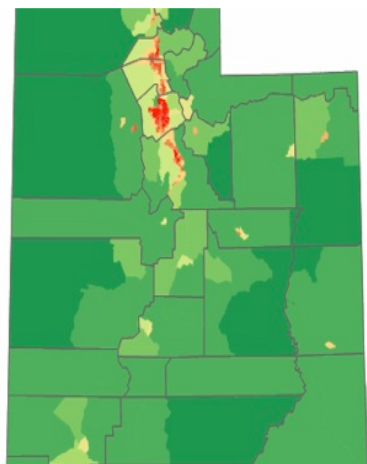




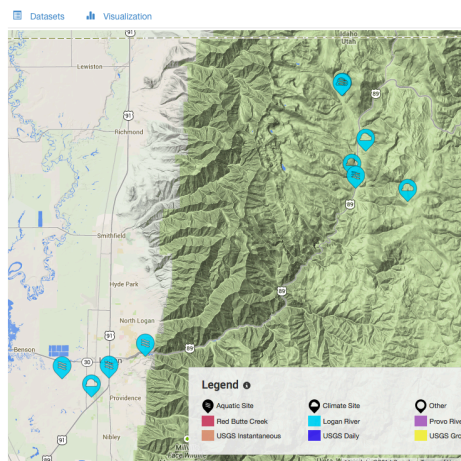
Gradients Along Mountain to Urban Transitions (GAMUT): Utah's Environmental Observatory



The Issue Utah is an urban state with 2.45 million residents living in the Wasatch Front. Utah's water comes from snow, and this source may be reduced by climate change. We formed iUTAH (innovative Urban Transitions and Arid-region Hydro-sustainability) to enhance statewide capacity to understand how biophysical systems and human systems interact to affect water supply, demand, and management.

We built an environmental observatory

GAMUT: Gradients Along Mountain to Urban Transitions, to help us monitor and understand Utah's water resources from the mountains through the cities of the Wasatch Front. The GAMUT includes capacity to measure climate variables, stream water quantity and quality, and a suite of socio-demographic data.



Data from GAMUT are open access iUTAH data can be visualized, summarized, and exported from a user-friendly web interface. Currently the data from the GAMUT network and active USGS sites in the Logan/Little Bear River, Jordan River, and Provo River basins can be accessed from the iUTAH portal. <http://gamut.iutahepsco.org>

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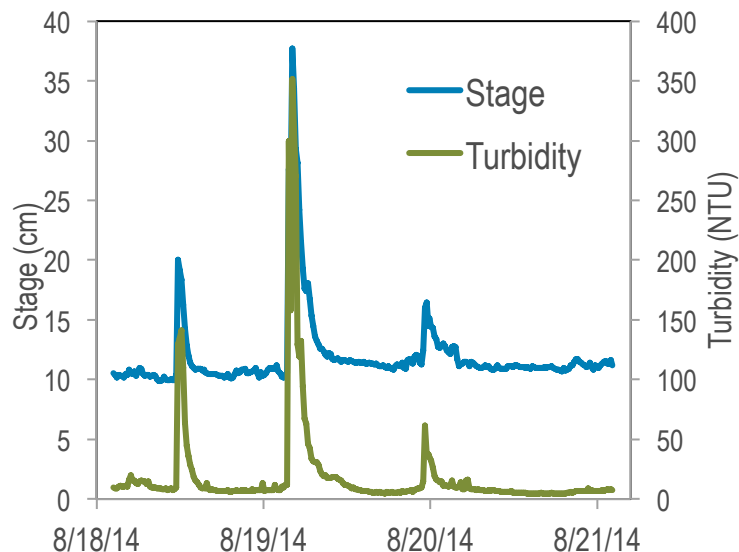


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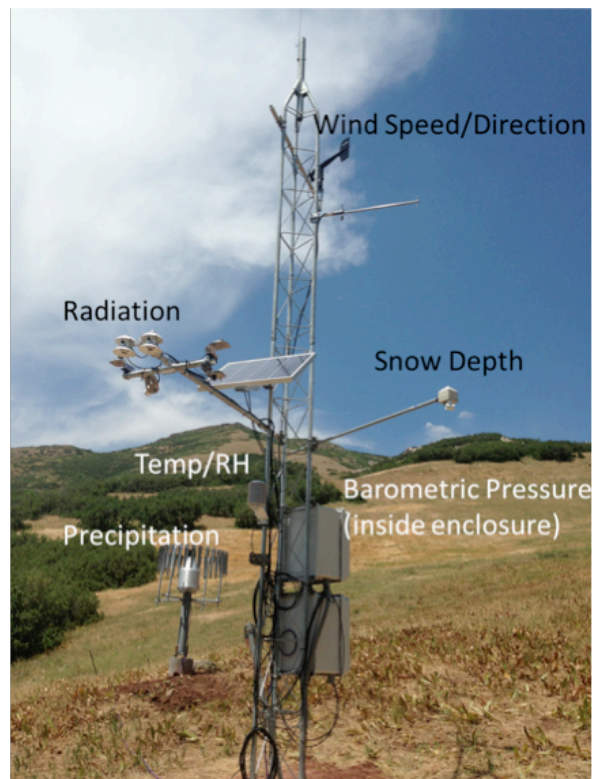
Common aquatic and terrestrial instrumentation

Logan, Red Butte, Middle Provo Watersheds

15-minute climate, soil, and stream data records



Storm flow data from Red Butte Creek at Foothill Drive, August 2014



GAMUT aquatic (left) and terrestrial (right) stations are installed in several locations in each watershed to capture changes along the mountain to urban interface.

For specific information about data in each watershed, contact:

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