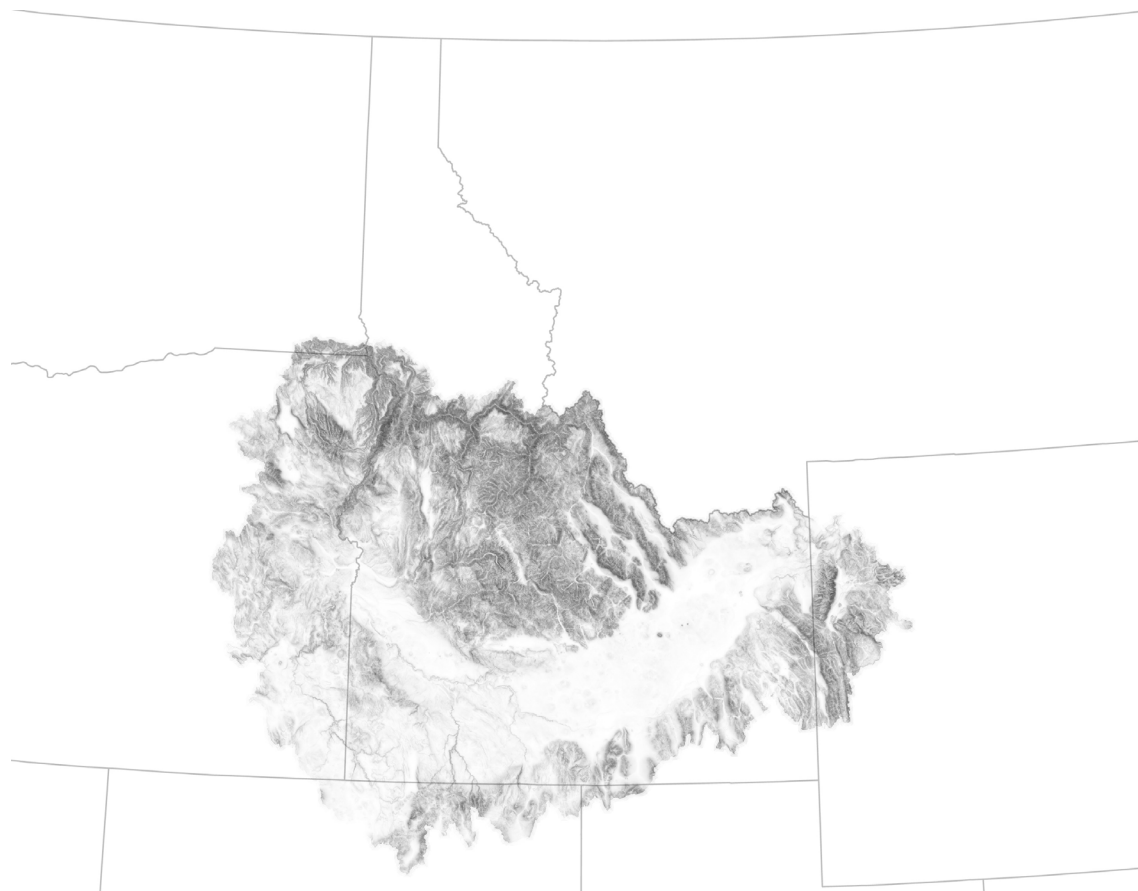


Improving Streamflow Prediction Using Satellite and In Situ Observations in the Snake River Basin



**University
of Idaho**

Ryan Town

*Undergraduate Research Assistant
Department of Earth and Spatial Sciences*

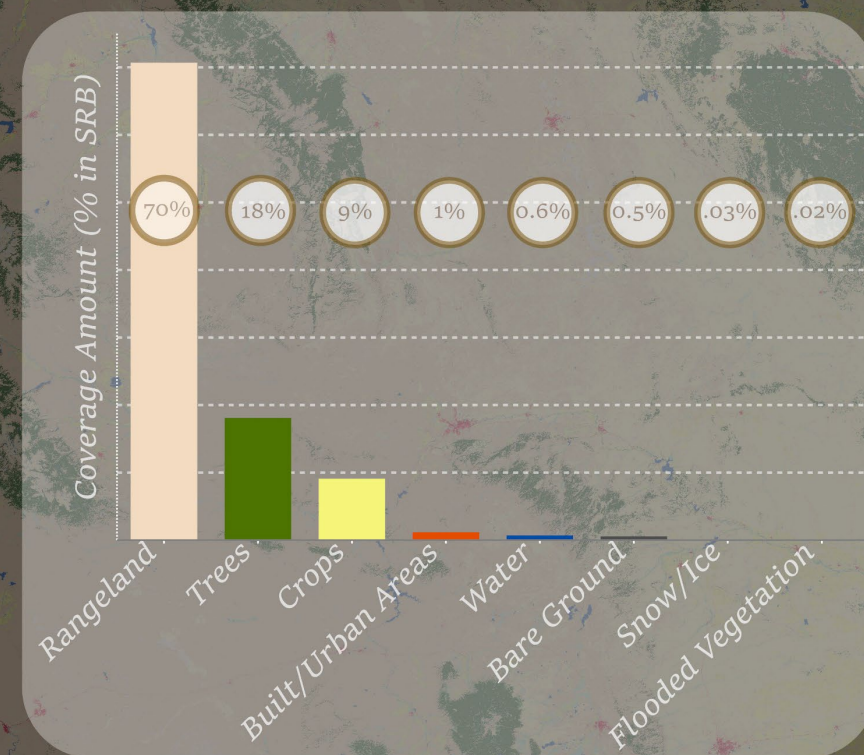
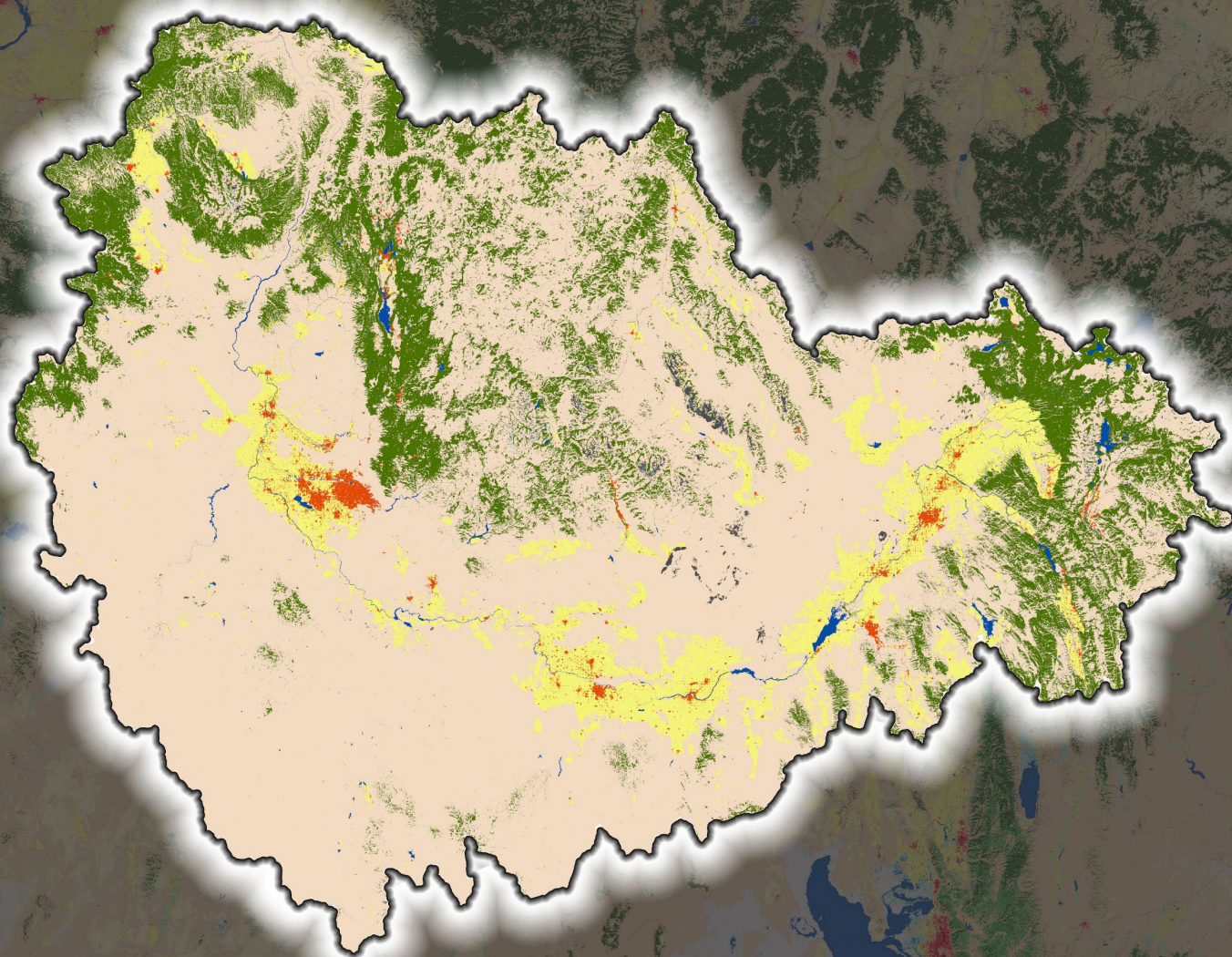
Meng Zhao

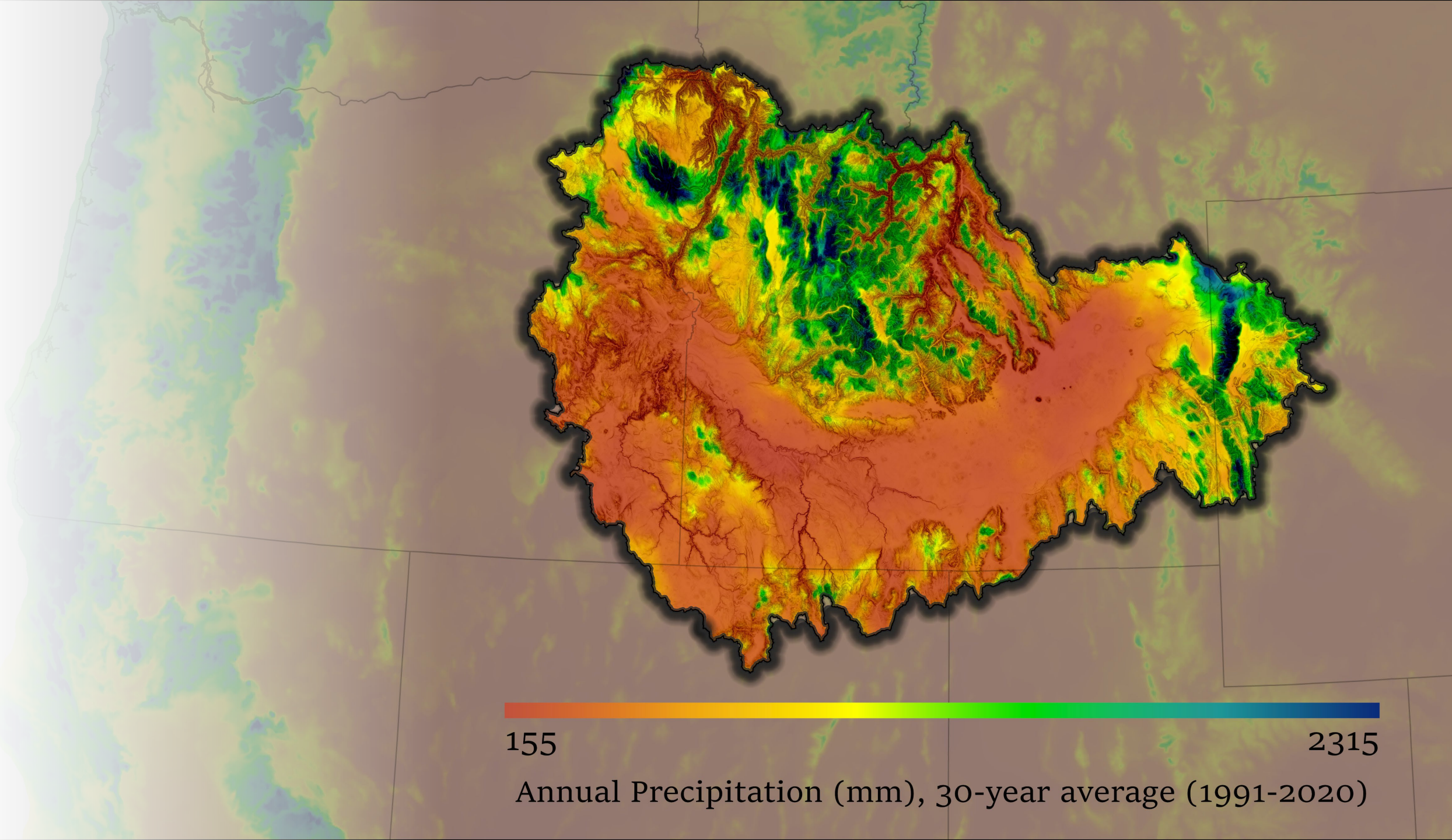
*Assistant Professor
Department of Earth and Spatial Sciences*

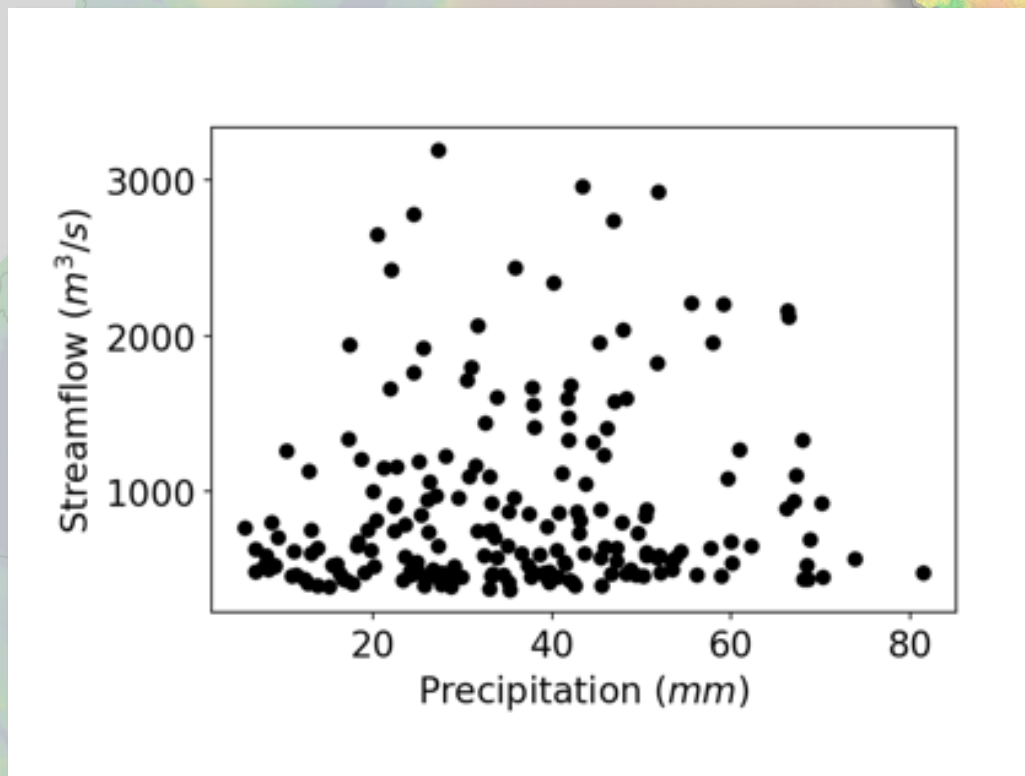
Ecohydrology Research Group

www.webpages.uidaho.edu/mengz





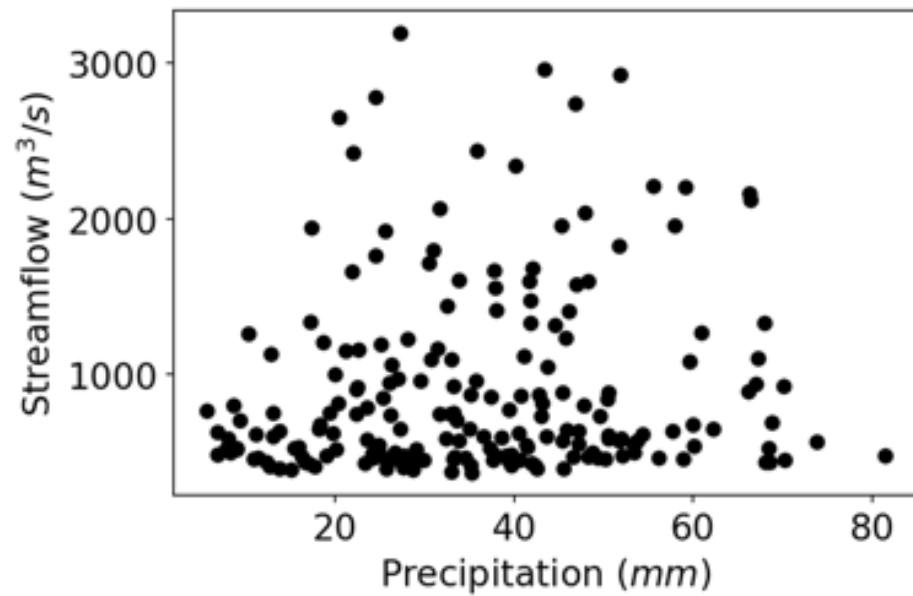




155

2315

Annual Precipitation (mm), 30-year average (1991-2020)

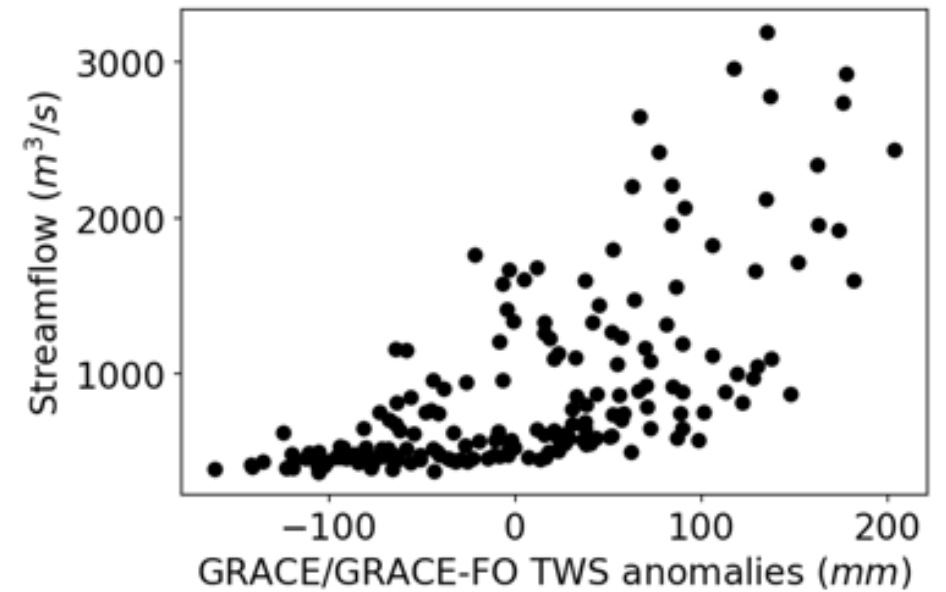
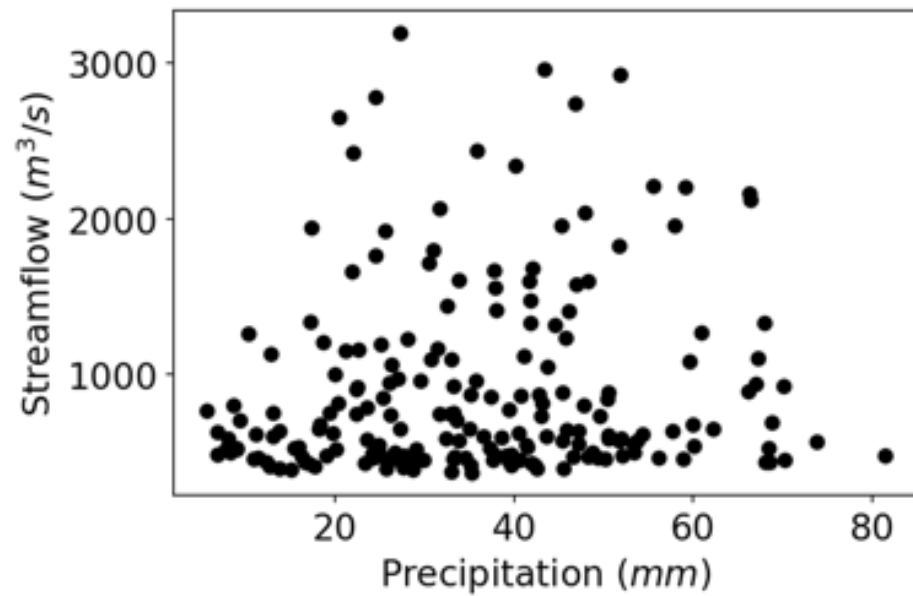


**actual mission uses more modern laser guns*

155

2315

Annual Precipitation (mm), 30-year average (1991-2020)



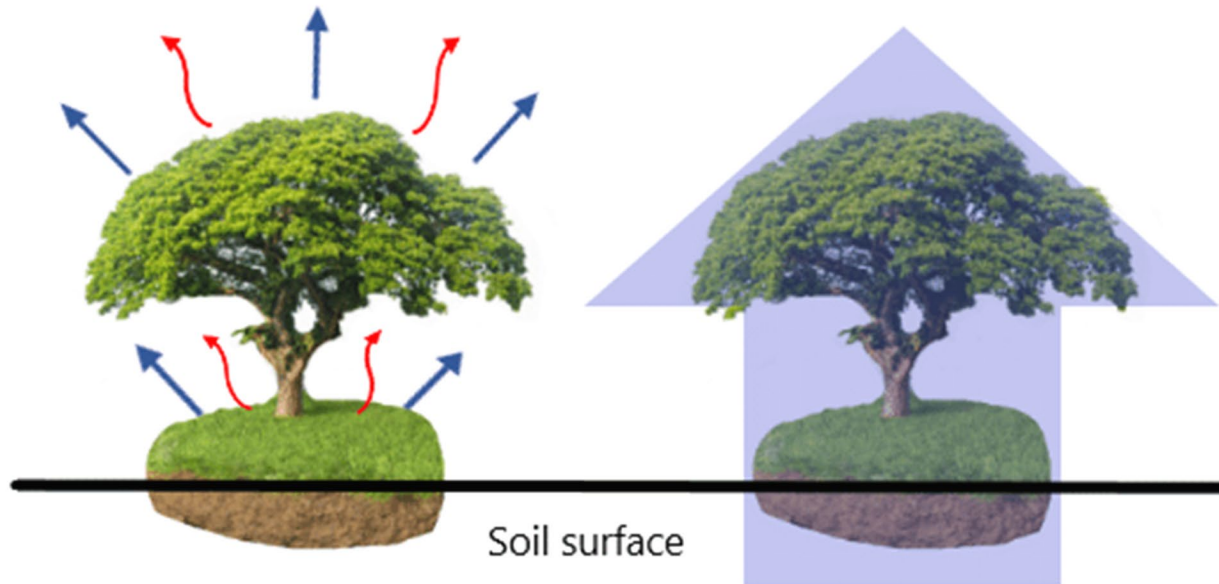
155

2315

Annual Precipitation (mm), 30-year average (1991-2020)

Evaporation + Transpiration

Evapotranspiration



Soil surface



Snake River Basin Average Monthly Discharge, 1979-Present



Soil Saturation

Soil Structure

Plant Hydraulics





Data: Earthstar Geographics, Earth Virtuality
Half-Earth Project
Map: Ryan Town

