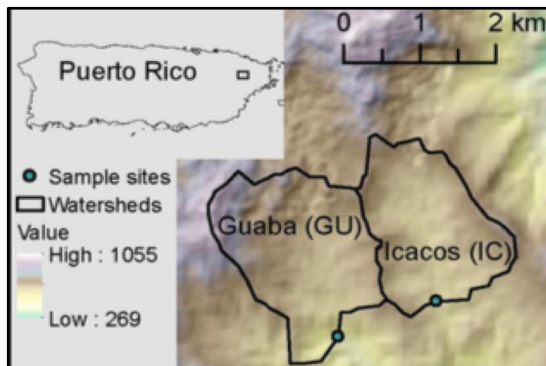


Quantifying the Effects of Hurricane Maria on the Use of Detrital Sediment as an Erosion Monitor

Oberlin College



I will be quantifying in situ and meteoric ^{10}Be in river sediments collected from two watersheds in Puerto Rico (Guabá and Icacos) following Hurricane Maria in 2017. By analyzing ^{10}Be , I will quantify the effect of episodic events on the use of cosmogenic nuclides in sediments as an erosion monitor. This study is important for understanding the effects large storms like Hurricane Maria have on erosion.



Visitor: Alexandra Grande

Visit dates: June 26- August 9, 2019

I'm a rising, fourth-year undergraduate student at Oberlin College, and I'm very excited about this project! I have previously worked on a similar project, using different fallout radionuclides to determine the effects of deforestation on erosion in southwestern China.