

# Relationship between physical and chemical erosion in transient landscapes

*Central Michigan University*



We are working in two landscapes, the Klamath Mountains in northern California (above) and the Nicoya Peninsula of Costa Rica (below). Tectonic processes are thought to engender transient denudation rates at both sites. We hope to capture the complex responses of chemical erosion to changing patterns of physical erosion using  $^{10}\text{Be}$ , geochemical mass balance, topographic analysis, and regolith formation modeling.



**Visitor:** Miles Reed

**Visit dates:** April 1- May 10, 2019

I am a 1<sup>st</sup>-year PhD student with Dr. Nicole West at Central Michigan University. I studied erosion on mountaintop removal/valley fill landscapes at West Virginia University for my master's degree. I enjoy watching European soccer, hiking, and chilling with my cats.