



# Ariana Flourney, M.Sc.

## Landslide Geoscientist

Ariana is a debris flow and alluvial fan hazards mapper on the Post-Wildfire Debris Flow team. A typical day for Ariana consists of her mapping geomorphological landforms using remote sensing data. Previously, she has mapped alluvial fans in Okanogan County. Lately, she maps debris flows in wildfire prone areas to provide inventories to emergency hazard planners. She aids her team by assisting in producing pamphlets for grant funded projects and mapping alluvial fans across the state for the Wildfire-Associated Landslide Emergency Response Team (WALERT). She also helps provide insight into underrepresented communities and creates outreach materials for the public and youth to better understand how debris flow hazard maps can be useful for the communities that live in these study areas.



Ariana showing off her first recent debris flow visit from the Bolt Creek Fire in Skykomish, WA.



Ariana standing in a large landslide deposit in Arlington, WA.

### Job Responsibilities

Mapping alluvial fans, educational outreach, writing hazards reports, project management, boosting group morale.

### Professional Interests

Alluvial fans, debris flows, curating outreach materials, and developing educational videos on technical topics

### Skills

InDesign; Canva, Microsoft Word, Excel, and PowerPoint; customer service; ArcGIS Pro Planetary Geology Mapping.

### Professional Experience

- Communications and Outreach Support Specialist at The Department of Natural Resources, Olympia, WA
- Curating inventories of alluvial fans on Mars and analyzing the timing and climate in which the geomorphic landforms were created at the University of Virginia, Charlottesville, VA
- Graduate Research and Teaching Assistant at the University of Virginia, Charlottesville, VA
- NASA Space Grant Awardee 2020 at Western Washington University, Bellingham, WA

### Education

- M.S. Environmental Sciences specializing in Planetary Geomorphology, University of Virginia, Charlottesville, VA
- B.A. Geology, Western Washington University, Bellingham, WA

### Personal Interests

Singing, dancing, listening to audiobooks and true crime podcasts, cooking, baking fresh sourdough, playing with my dog, attending concerts and festivals, and traveling.