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- In August of 2023, the glacial outburst f ood from Suicide Basin in Juneau created the largest f ood event ever measured on the Mendenhall River, result ng in extensive damage.
- At least nine structures were condemned and more than 30 structures were damaged.
- Funding in the amount of \$150,000 is requested to restore monitoring of the basin in order to collect and analyze data that would bet er enable f ood predict on for Suicide Basin as well as for other similar glacial areas in Alaska and in the world.

- Funding would support the purchase of drone mapping accessories, computat onal equipment, helicopter access to f eld sites, faculty research t me, and the training of undergraduate research assistants.
- By enhancing our ability to predict glacial outburst f oods, this request will enable Juneau and communit es like Juneau in other areas of Alaska and in the world to minimize the devastat on and economic impact of future f ooding events.
- UAS Researchers are already receiving nat onal recognit on in this f eld because of the past monitoring conducted by faculty on glacial f ooding events.
- To increase UAS' grants-based revenue in areas where we are uniquely posit oned to contribute, we need to invest in our ability to collect the data needed to apply for larger funding opportunit es the research conducted th

UAF's glaciology projects extend from the Alaska Range to southeast Alaska, and beyond to Greenland and Antarct ca.

• UAF glaciology research study areas include glacier speeds, glacier ice volumes, glaciated landscapes, glacier water quality, and landslide hazards.



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