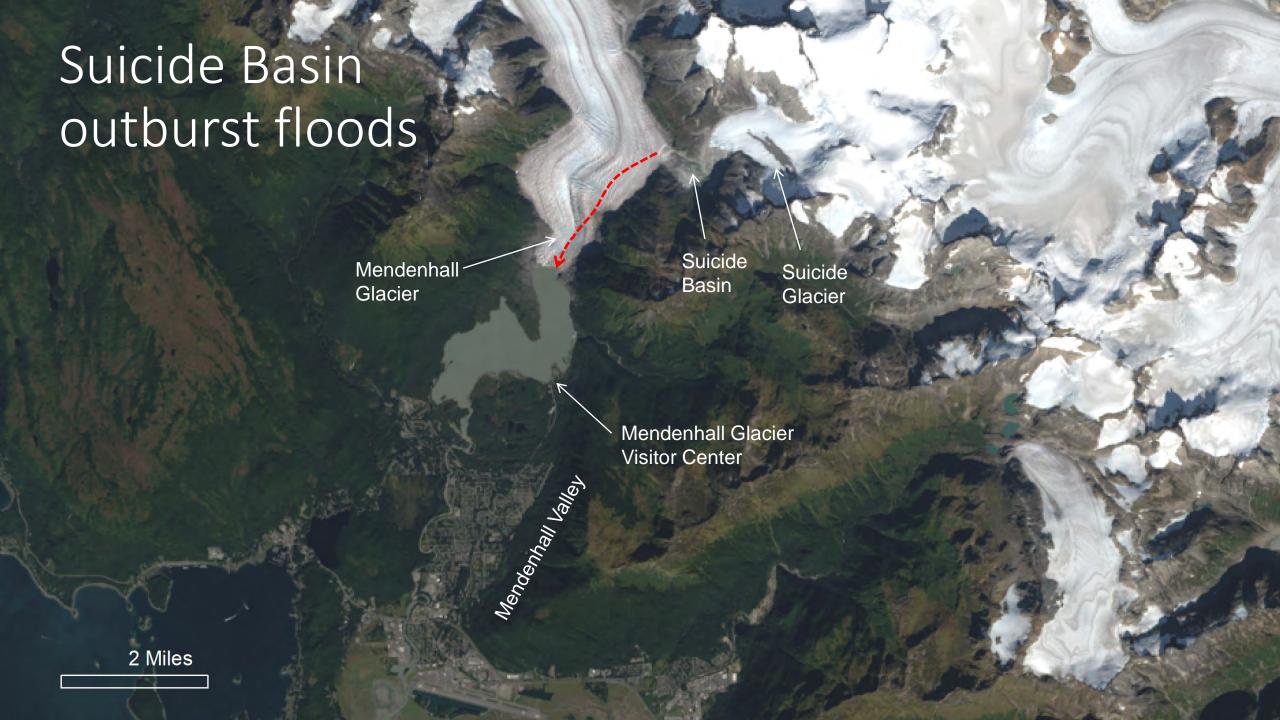
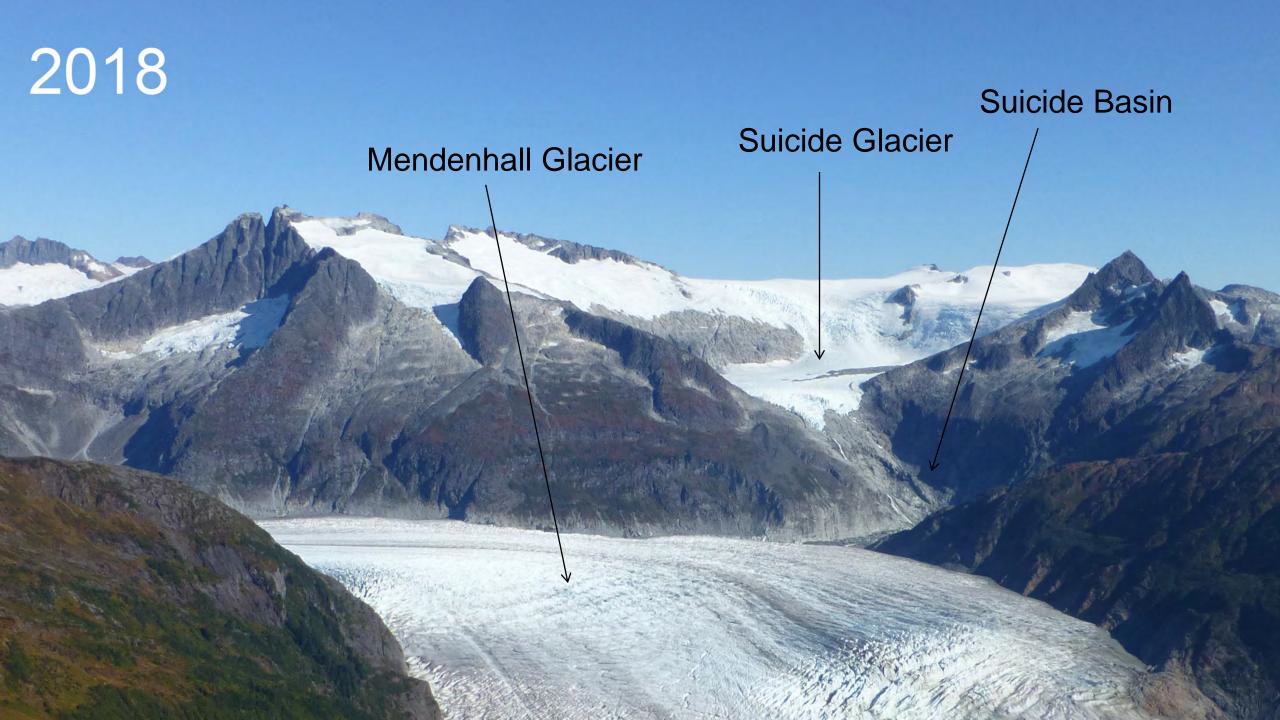
Monitoring, measuring, and modeling the Suicide Basin outburst flood



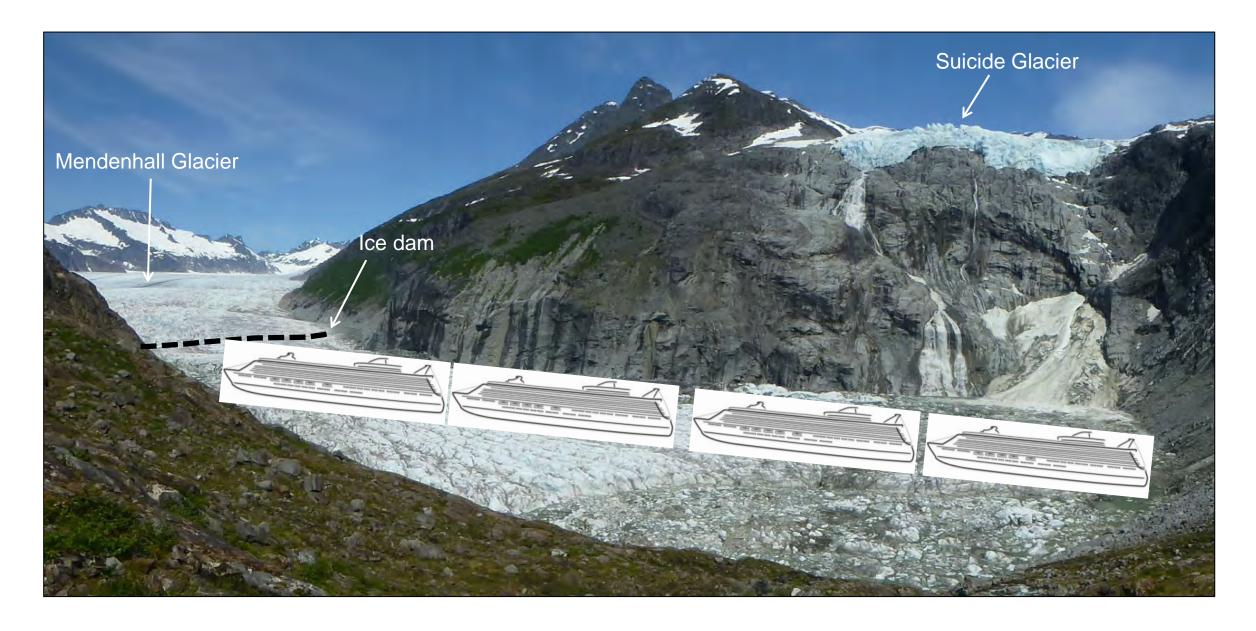
Jamie Pierce, Aaron Jacobs, and Eran Hood/Jason Amundson







Suicide Basin



Monitoring Efforts



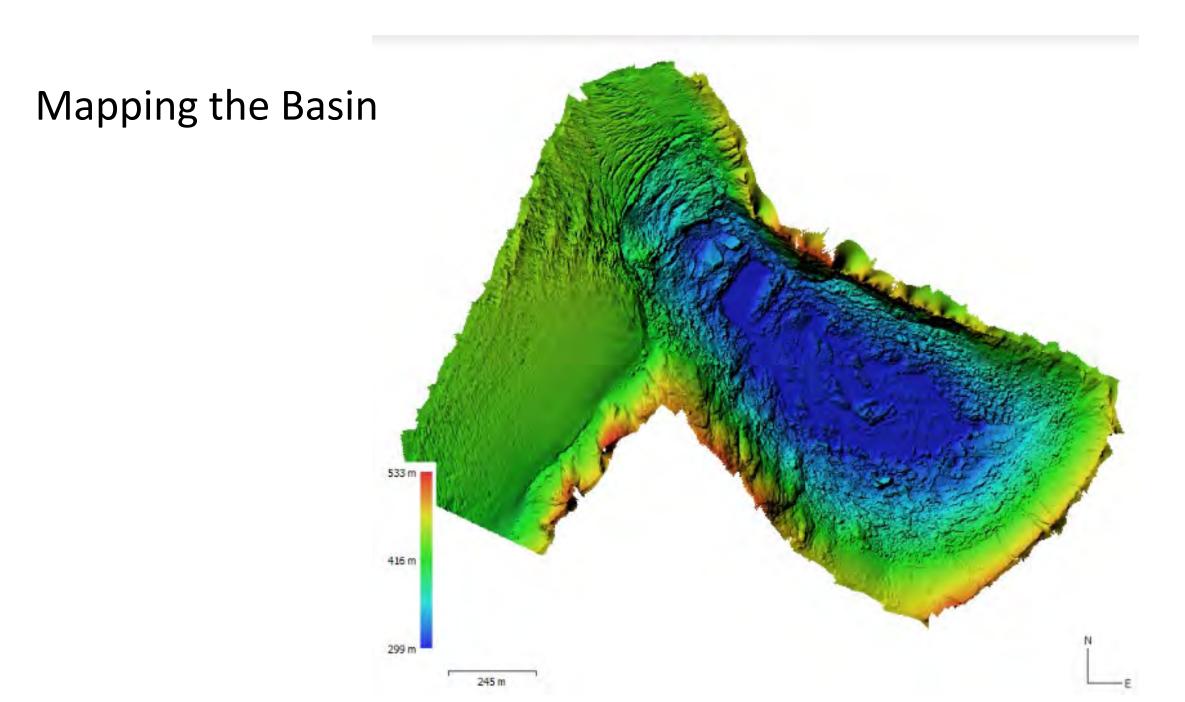




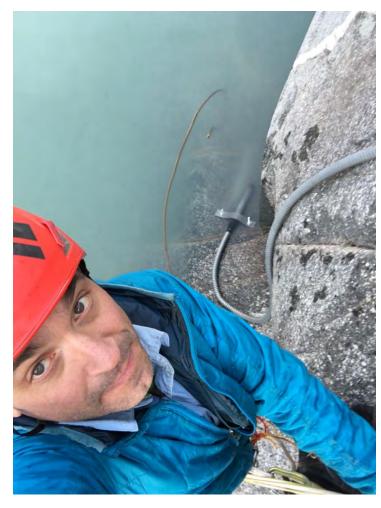
Time Lapse Cameras

Drones

Laser Range Finder



Challenges

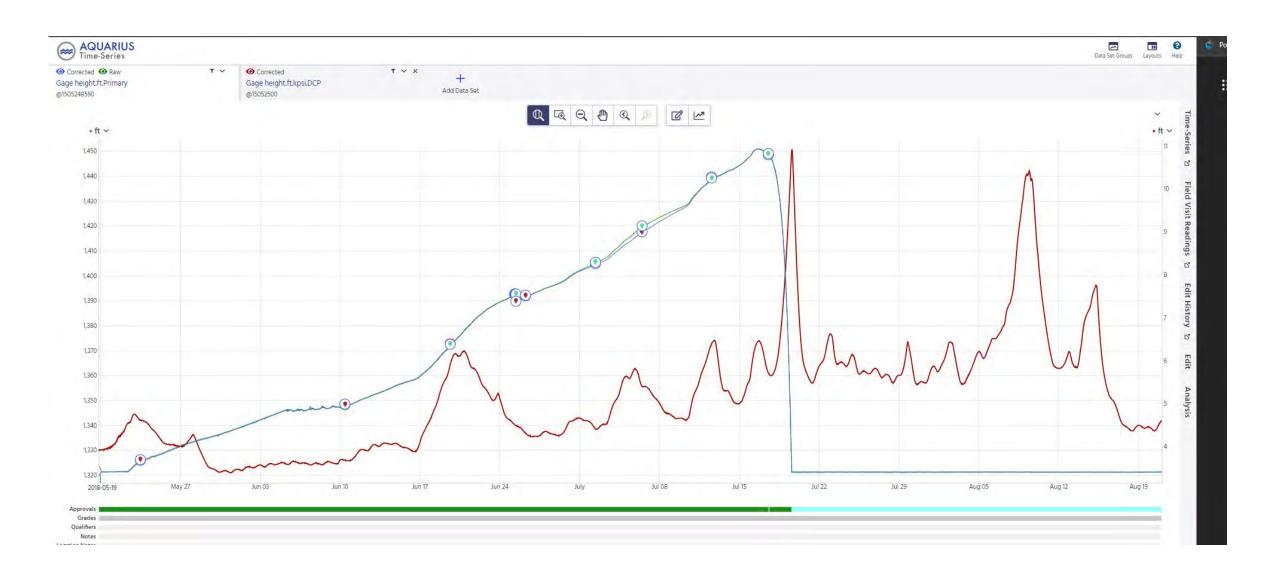


Access



Instrument damage

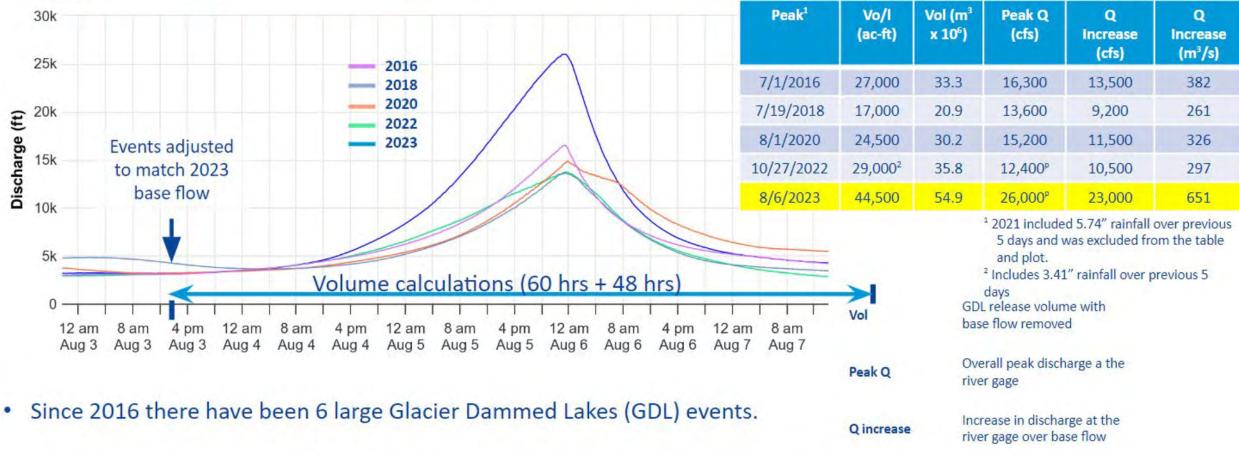
Basin water level and the onset of the flood





NATIONAL WEATHER SERVICE

Building a Weather-Ready Nation



- Four events 2016, 2018, 2020 and 2022 were shifted in time to match the peak date/time of the 2023 event.
 These events were also adjusted to match the pre-event baseflow of the 2023 event.
- Volume calculations and discharge (Q) increase constrained to 60 hours prior to peak and 48 hours after peak.