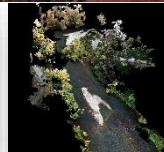


VIRTUAL RIVERS

RICHE CARMICHAEL UNIVERSITY OF IDAHO-BOISE CER
JEAN-MARC GAUTHIER UNIVERSITY OF IDAHO VTD
REILLY CISCO UNIVERSITY OF IDAHO VTD



University of Idaho

-Lemhi River, ID

-Boise River, ID



Drone Flight

DJI Mavic Pro

12 megapixel camera

Polarized Filter

330 overlapping images



Drone Flight

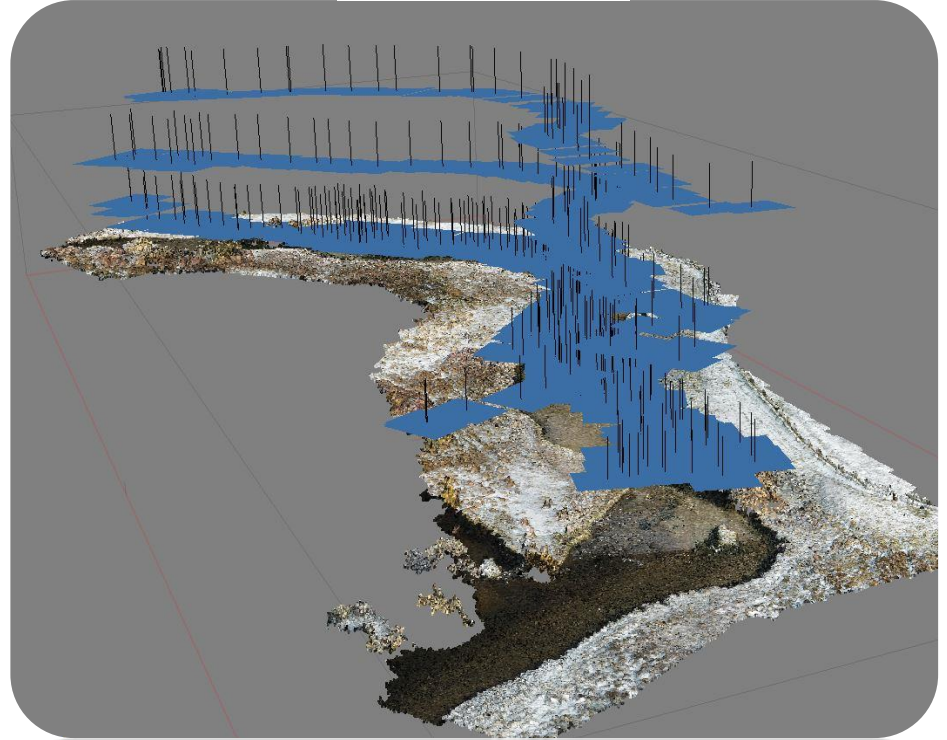


DJI Mavic Pro

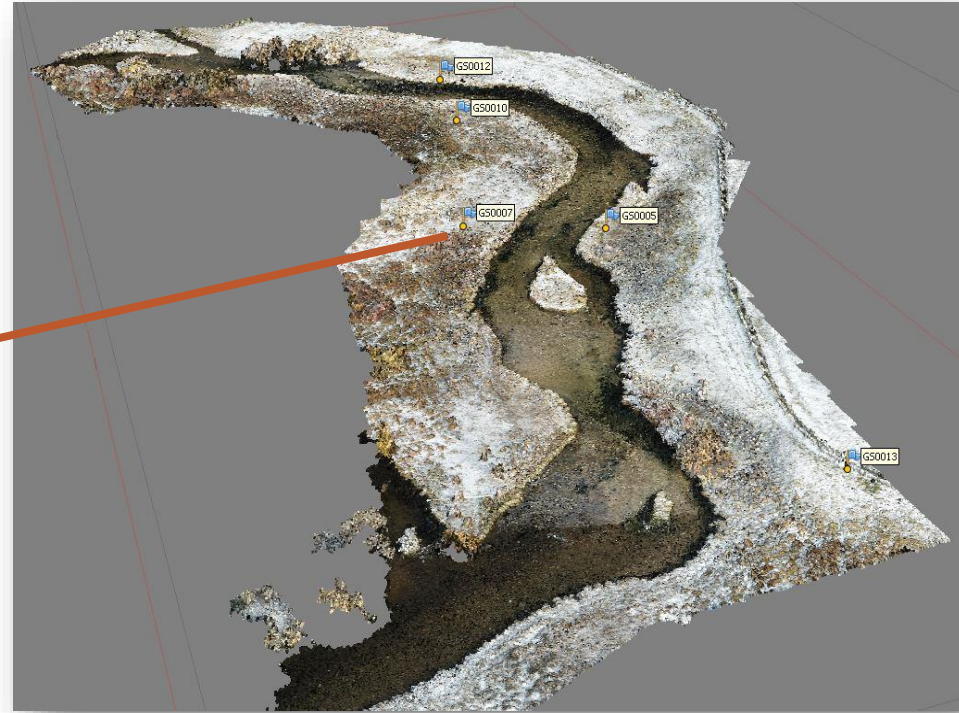
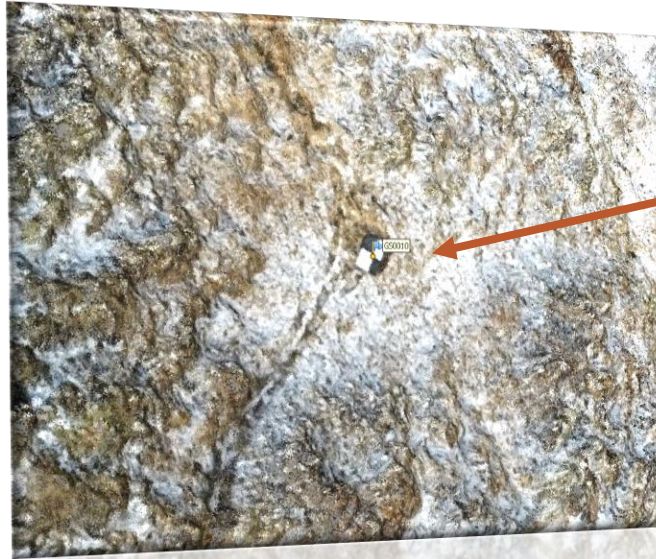
12 megapixel camera

Polarized Filter

330 overlapping images

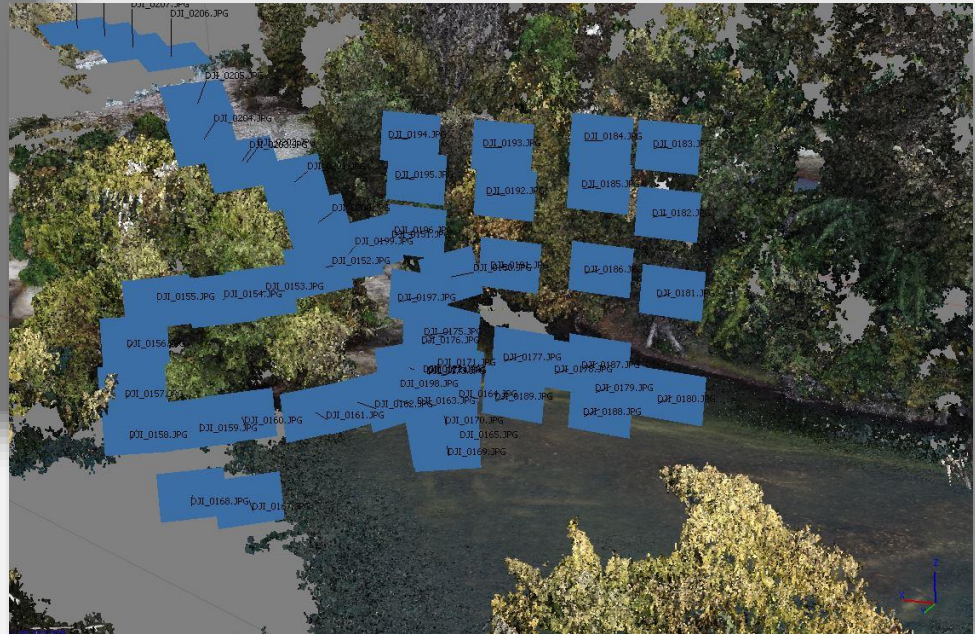
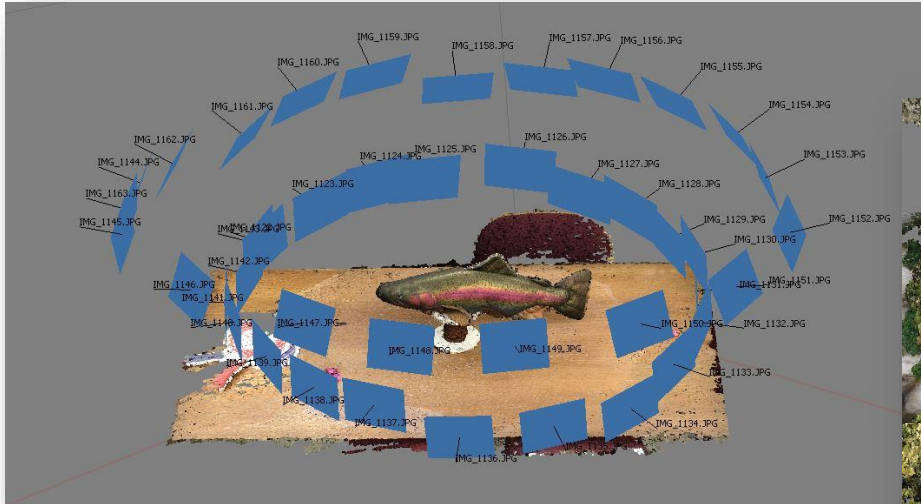


Reference targets



IGS 08 UTM Zone 12

Scan testing



Production

Build Mesh  Fill holes/Sculpt



Production

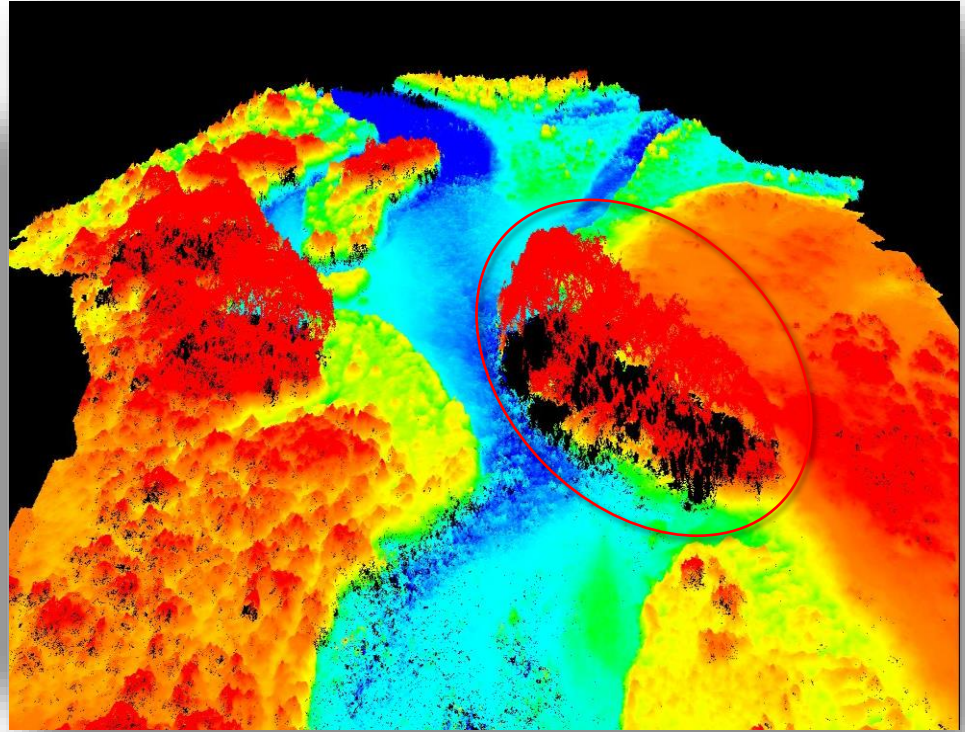
Re-texture



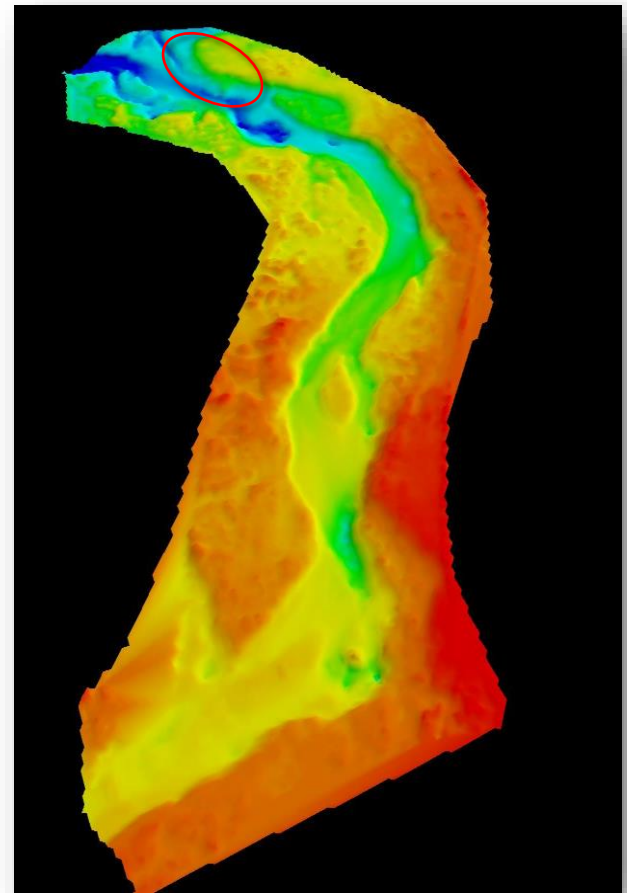
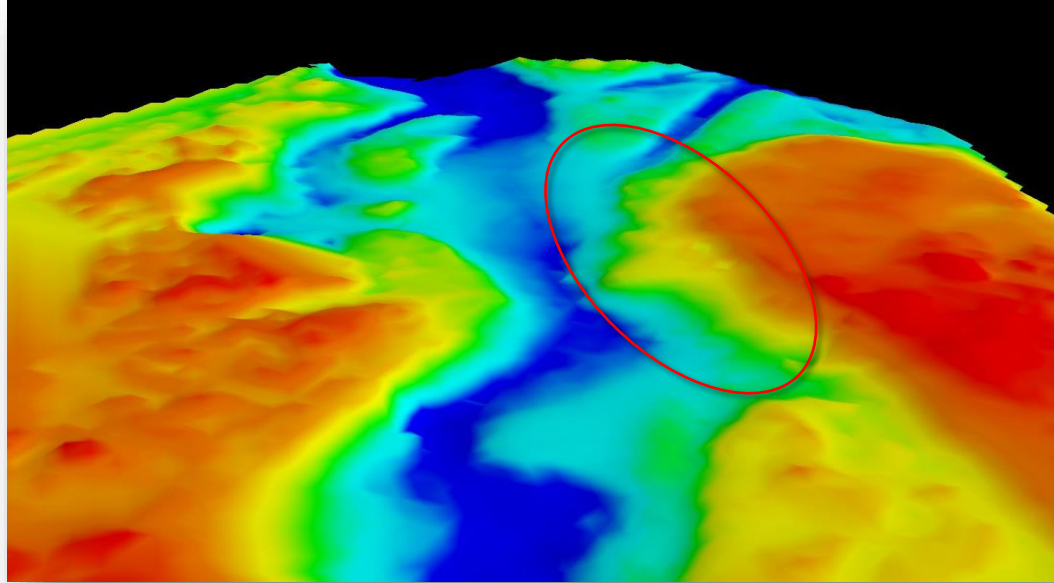
Render

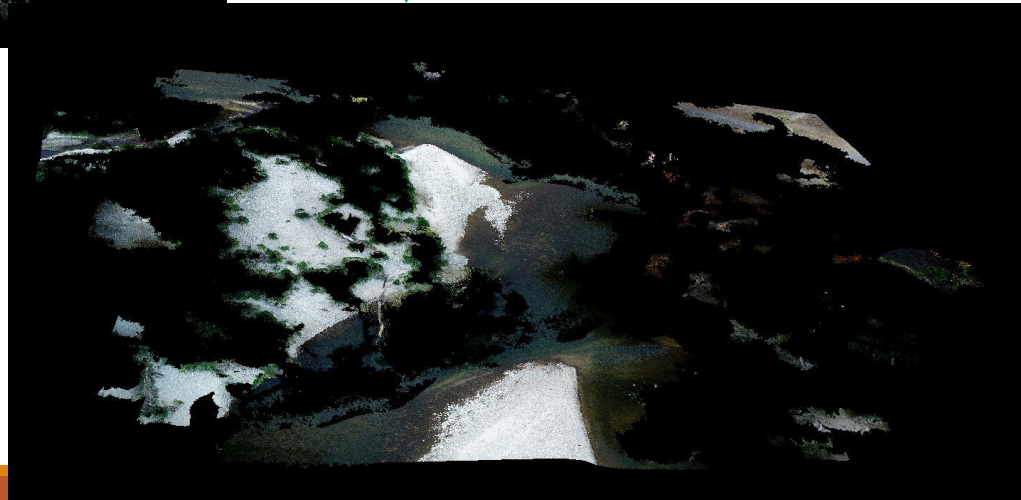
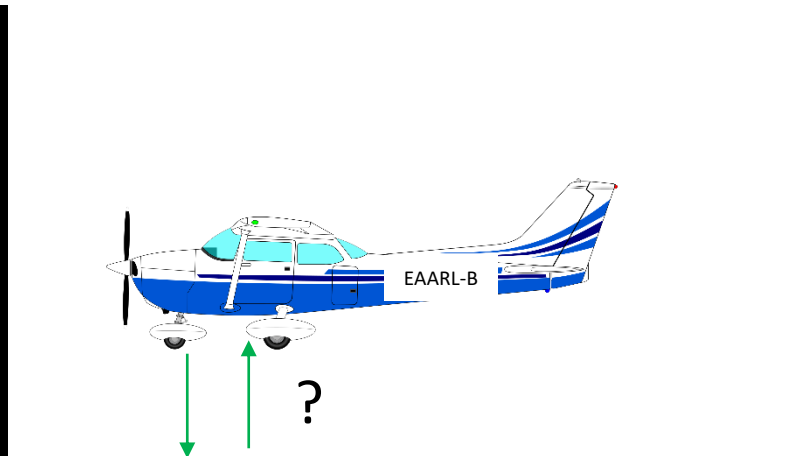


Vegetation Filtering



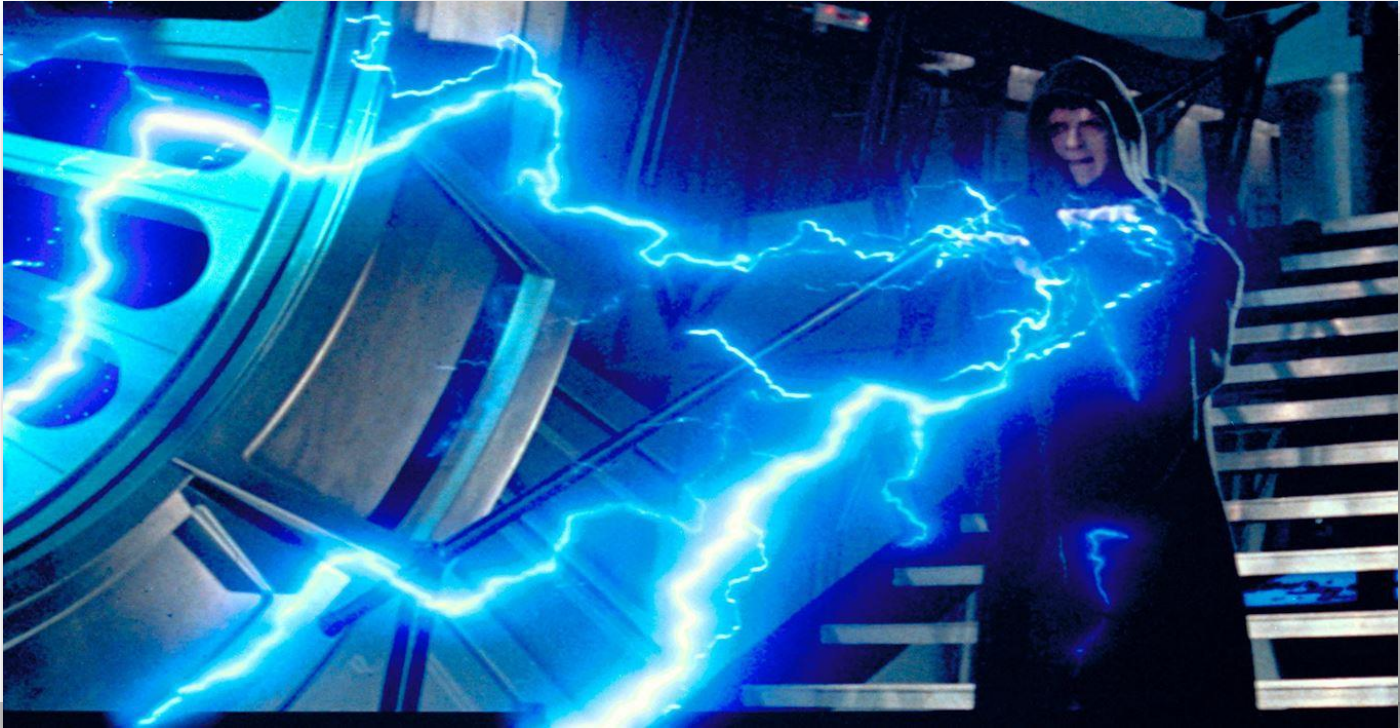
Filtered...





GIS Day 2017 Lightning Talks

Thanks!



University of Idaho