

Barn Bluff Master Plan

Nick Meyers, GISP
GIS Project Manager

Barn Bluff Master Plan



UAV Background

License Needs

- FAA part 107
- MnDOT UAS commercial operator license

Software

- Pix4D, Drone2Map, DroneDeploy

Services

- Updated Data, Informed Decisions, Inspections, Work Site Management, Public Engagement



Why Use UAV for Barn Bluff?

Minimize impacts to culture resources

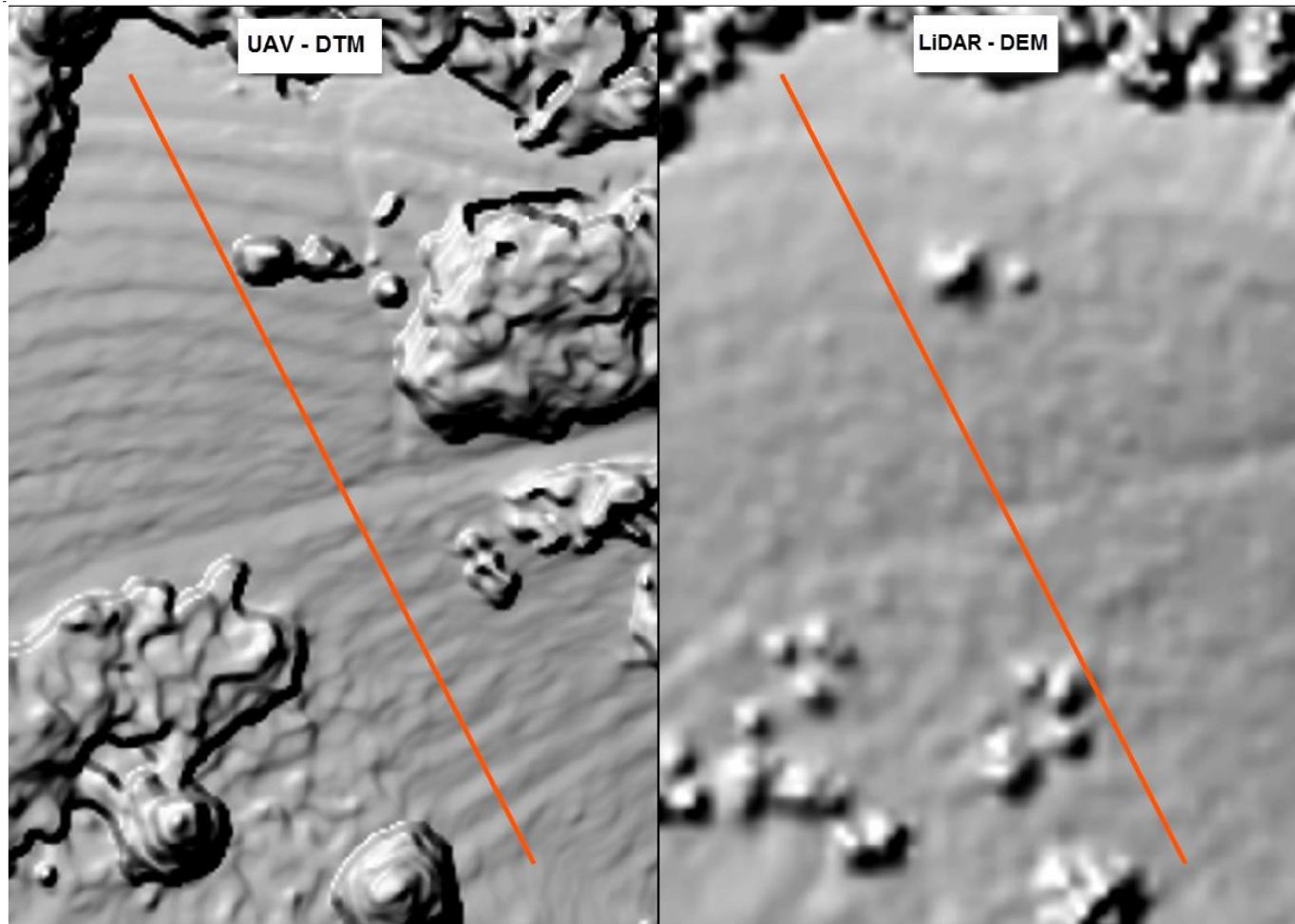
- Lack of available high resolution data
- LiDAR data did not provide enough detail & too old
- Quick Turnaround
- Funding



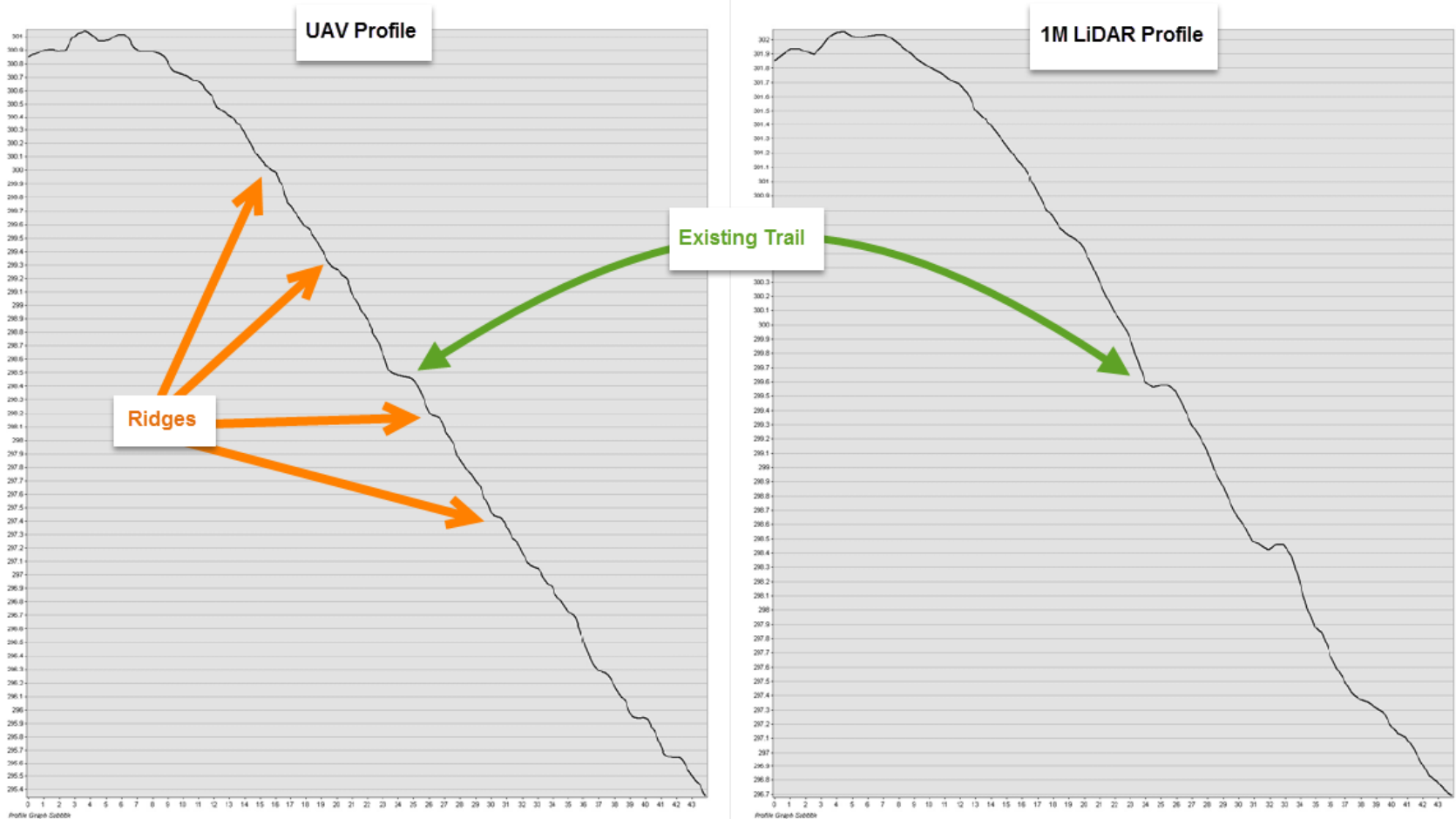
Barn Bluff Outputs - Aerial



Barn Bluff Outputs - Elevation



Barn Bluff Outputs - Elevation



Barn Bluff Ridge



Barn Bluff Deliverables

Orthomosaic

<http://drdp.ly/lG8S1T>

Elevation

<http://drdp.ly/n2HuDx>

3D Model

<http://drdp.ly/vsS9k9>



Barn Bluff Erosion



Questions

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