



NORTHERN ARIZONA UNIVERSITY

ANTHROPOLOGY LABORATORIES

Deliverable Acceptance

Sponsor Name	National Park Service	Deliverable #	Task NAU-187
Project Name	<u>Navajo National Monument – Mapping Keet Seel Ruin</u>	Date Submitted	<u>07/22/09</u>
Deliverable Name	<u>Year Two – Western Mapping</u>	Date Reply Due	<u> </u>

Description:

Products

TASK – 1:

- 1) Establish two permanent datums at Betatakin
- 2) Establish and provide NAD83/WGS84 UTM coordinates and NAVD88 elevations for each datum.

TASK – 2:

- 1) Digital 3D TIN decimated model of scanned portions of cave and architecture (AutoCad 2004, 3ds-Max, or as designated by NPS)
- 2) Digital topographic model (5 or 10 cm) from scan data (AutoCad 2004, or as designated by NPS)
- 3) 2D map products:
 - A) 3 - 11" x 17" (or as needed) color maps depicting Keet Seel showing location of prehistoric architecture and other features, modern trails and improvements, cave overhang, profiles, and various metric information (for mapping data acquired in FY04-05 effort).

TASK – 3:

- 1) 2 - hard copy oversize (24" x 36" - or as directed) color inkjet plots of Keet Seel Unit area (approximately 2.6 sq. km) showing 1 m C.I. topography and modern culture captured by photogrammetric mapping process.
- 2) 3 sets of approximately 10 - 9" x 9" color stereo aerial photographs of Keet Seel Unit area and Betatakin Unit area.
- 3) 2 sets of approximately 10 - 9"x9" inter-negatives of color stereo aerial photographs for archival storage (Denver and WACC).
- 4) AutoCad R2000 and/or ArcGIS (as directed by NPS) digital cartographic data.

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Accepted By Ellen Brennan Title Chief, SDFD CRD Date 7/24/09

Remarks: