

# Metadata Report

Project Name Survey of Grape Creek Entrance Area, Cañon City, Colorado, March 2021

## Summary

This Unoccupied Aerial Vehicle (UAV) survey was flown to provide geology field camp students with a high-resolution orthomosaic, Digital Elevation Model (DEM), and Point Cloud of the entrance to the Grape Creek mapping area. The area shows monocline of Cretaceous beds dipping to the Southeast in the Frontal Range.

## Personnel

- Conn Wethington, Lauren Weilert, Daniel A. Laó-Dávila, James H. Knapp, James O. Puckette, and Caitlin Barnes

## Site Information

- Site description: The area shows monocline of Cretaceous beds dipping to the Southeast in the Frontal Range.
- Site objective: To capture high-resolution orthomosaic, Digital Elevation Model (DEM), and Point Cloud of the entrance to the Grape Creek mapping area.
- Site conditions: Surveys were conducted during sunny and clear days.

## Survey Results

- Equipment used: We used a DJI Phantom Pro 4 with a camera

## Products

- Date of dataset collection: March 31 2021
- Coordinate system of datasets: WGS84
- Spatial resolution: 5.84 cm/pix
- Data processing methods: Agisoft Photoscan