



# Abandoned Mine Lands, Colorado

## Inspecting AML Features Using Unmanned Aircraft Systems

September 10-14, 2012



Below: Raven ortho 1.7' image of the reclaimed Sutey Pile



Above: Raven images of AML features and tributaries of Coal Creek

Mining of the Coal Basin deposits began in 1895 and continued until 1908 when production ceased for many years. Mid-Century Resources began producing coking coal at the Coal Basin mine in 1956 and continued until shut down in 1991. In 2012, OSM inspectors and USGS scientist collected high resolution images using the unmanned RQ-11A Raven. These images and terrain models assisted reclaiming efforts by studying abandoning mine land features.

Below: Terrain model derived from overlapping Raven images

