

MINE SITE REPORT
NAVAJO ABANDONED MINE LANDS RECLAMATION PROGRAM

DATE (S) OF VISIT: 29 July 2013
MINE/PROJECT NAME: Oakridge Coal Outcrop Fire
DURATION OF VISIT: 10:30 pm - 2:30 pm
PURPOSE OF VISIT: Coal Outcrop Fire Analysis

OBSERVATION:

On Monday, 29 July 2013, we traveled to the Oakridge Coal Outcrop Fire in Black Mesa, AZ. The project area is located approximately 10 miles southeast of Peabody Western, Kayenta Coal Mine, J-28 Complex near Indian Route 8034. Review the map attached. Our objective was to determine the current status of the coal fire using the OSM FLIR camera. We also used an RTK to survey the topography of the coal outcrop fire area.

Mr. Duane Matt, Physical Scientist/Technology Coordinator of OSM provided instructions on the FLIR to Navajo AML staff members. He demonstrated the FLIR by filming the entire coal outcrop fire area. He explained how the camera uses infrared radiate to obtain thermal or, infrared images. He demonstrated how the camera needed to be adjusted for a given field conditions. He ensured Navajo AML staff members understood how to use the FLIR by allowing them to use the camera and by asking them questions.

After filming the coal fire area, we also surveyed the project area. Mr. Matt was able to assist Navajo AML staff members, as he had in-depth knowledge of the RTK unit we had onsite. With the RTK was set up properly; the entire coal outcrop fire was surveyed successfully. The topographic map is attached.

FOLLOW-UP:

The FLIR images needs to be downloaded onto a PC and analyzed. Navajo AML staff will research and determine the process of down loading the images with assistance from OSM. The coal outcrop fire will be part of the 2014 coal reclamation and maintenance projects.

CONTACTS:

Mr. Roger Stash, GIS Technician
Mr. Duane Matt, Physical Scientist/Technology Coordinator

NAME: Gilbert Dayzie 
TITLE: Civil Engineer

Photo 1
Explaining the FLIR Camera

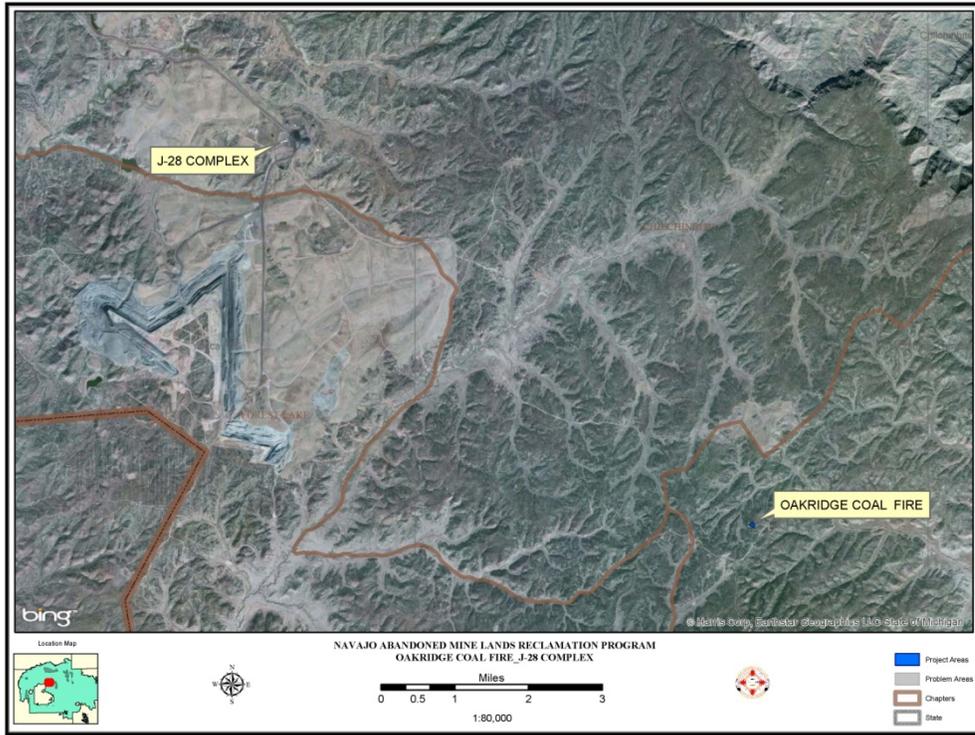


Photo 2

Filming the Coal Outcrop Fire Area



Oakridge Coal Outcrop Fire Location:



Oakridge Coal Outcrop Fire Topography Map:

