Las Conchas Survey

Survey Areas
July 2, 2011

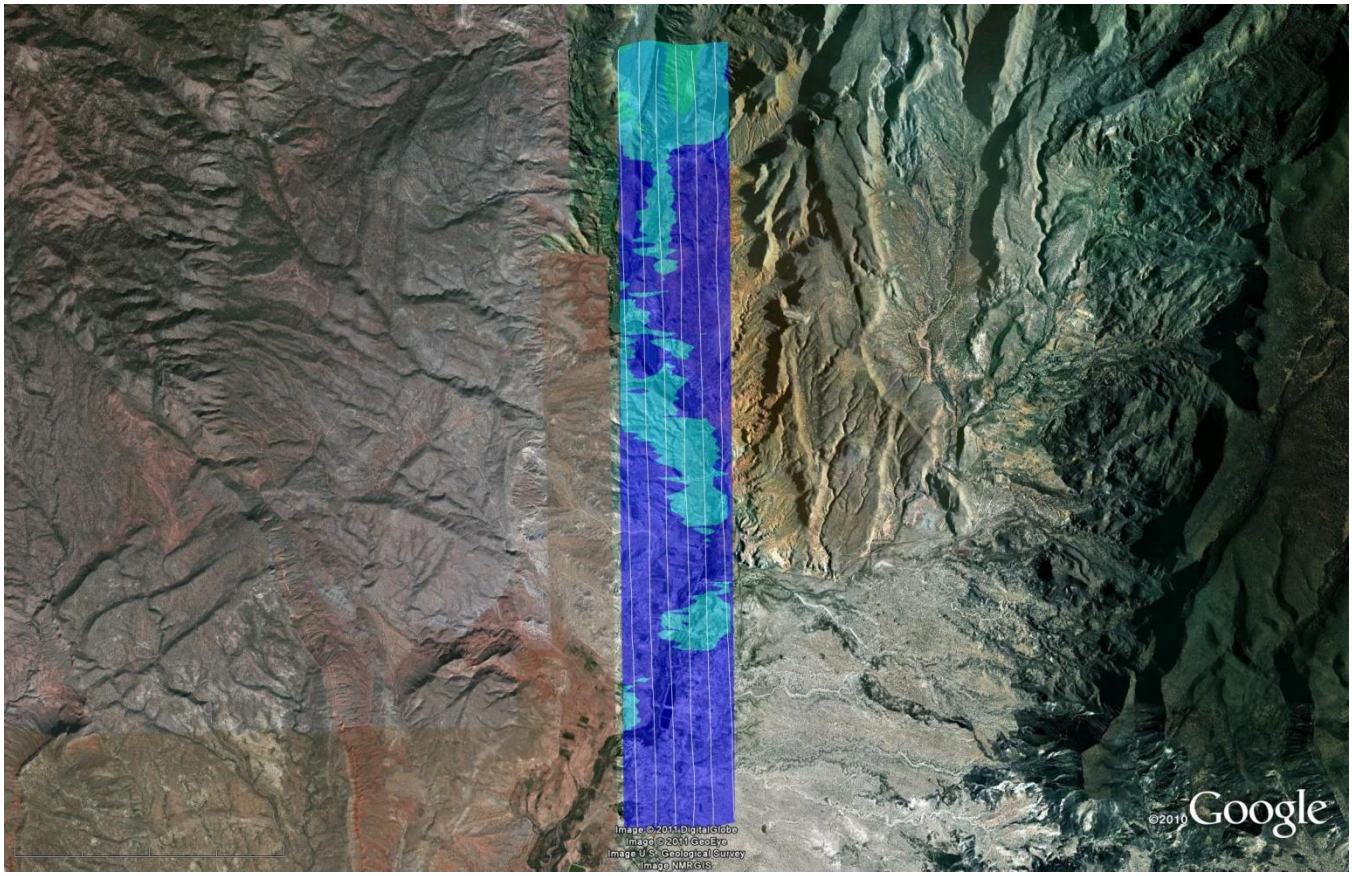
ASPECT Program

693727

Las Conchas Survey

Image 1

Jemez Pueblo Survey Area
Exposure Rate Contour Map
July 2, 2011



Parameter	Exposure Rate (uR/hr)
< 5.0000	25.000 : 30.000
5.0000 : 10.000	30.000 : 35.000
10.000 : 15.000	35.000 : 40.000
15.000 : 20.000	40.000 : 45.000
20.000 : 25.000	> 45.000

ASPECT Program

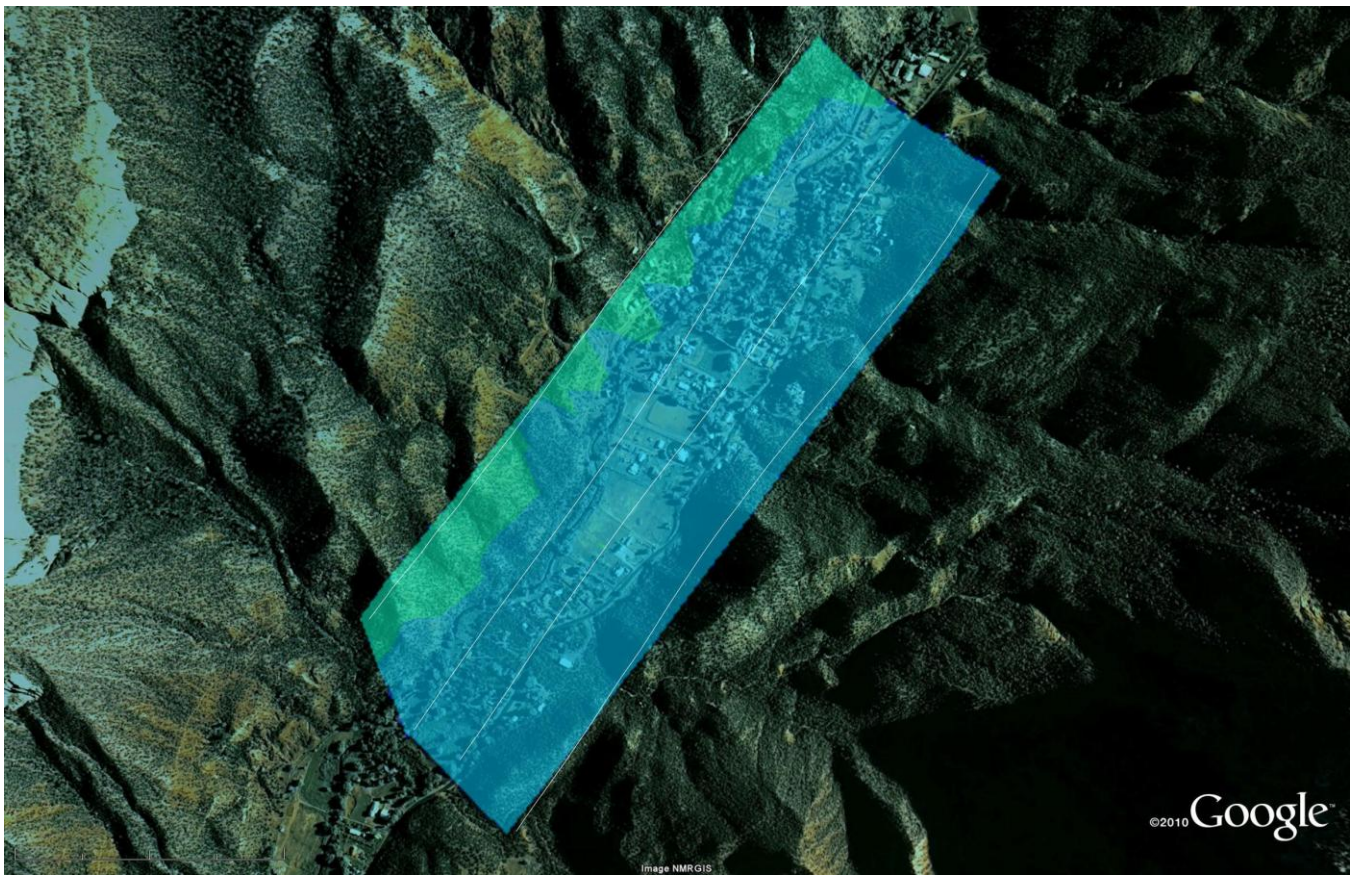
Flight Parameters

1000 ft altitude
1000 ft line spacing
110 knots
1 second acquisition time

Radiation can be measured in exposure rate. Typical background exposure rates in New Mexico range from 5 - 20 µR/hr. The maximum exposure rate for this survey was 15 µR/hr. This is in the normal range. The exposure rate contour map indicates estimated radiation exposure rates on the ground and can be used to identify hazardous levels of radiation. This map indicates that there are no hazardous levels in the area surveyed.

Image 2

Jemez Springs Survey Area
Exposure Rate Contour Map
July 2, 2011



Parameter	Exposure Rate (uR/hr)
< 5.0000	25.000 : 30.000
5.0000 : 10.000	30.000 : 35.000
10.000 : 15.000	35.000 : 40.000
15.000 : 20.000	40.000 : 45.000
20.000 : 25.000	> 45.000

ASPECT Program

Flight Parameters

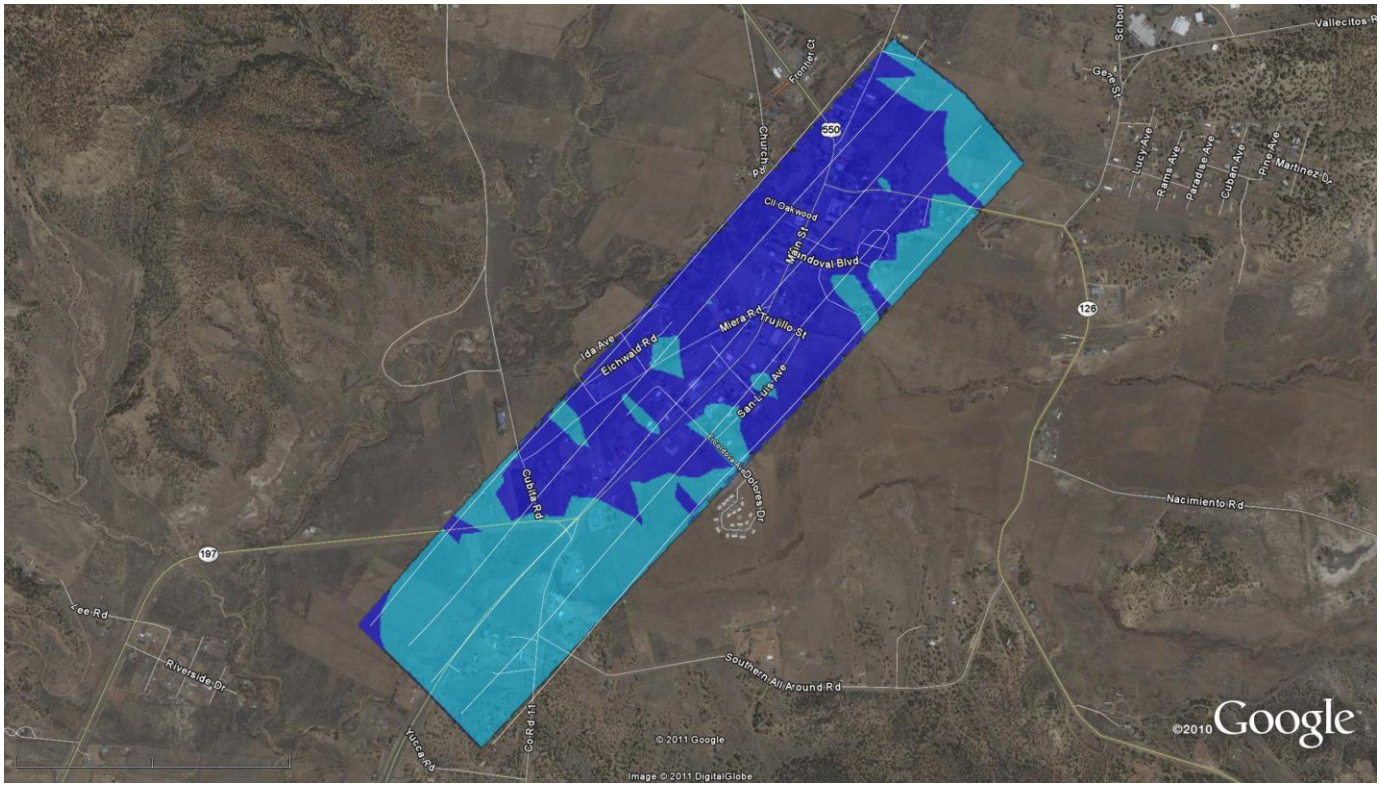
1000 ft altitude
500 ft line spacing
110 knots
1 second acquisition time

Radiation can be measured in exposure rate. Typical background exposure rates in New Mexico range from 5 - 20 μR/hr. The maximum exposure rate for this survey was 13 μR/hr. This is in the normal range. The exposure rate contour map indicates estimated radiation exposure rates on the ground and can be used to identify hazardous levels of radiation. This map indicates that there are no hazardous levels in the area surveyed.

Las Conchas Survey

Image 3

Cuba Survey Area
Exposure Rate Contour Map
July 2, 2011



Parameter	Exposure Rate (uR/hr)
< 5.0000	25.000 : 30.000
5.0000 : 10.000	30.000 : 35.000
10.000 : 15.000	35.000 : 40.000
15.000 : 20.000	40.000 : 45.000
20.000 : 25.000	> 45.000

ASPECT Program

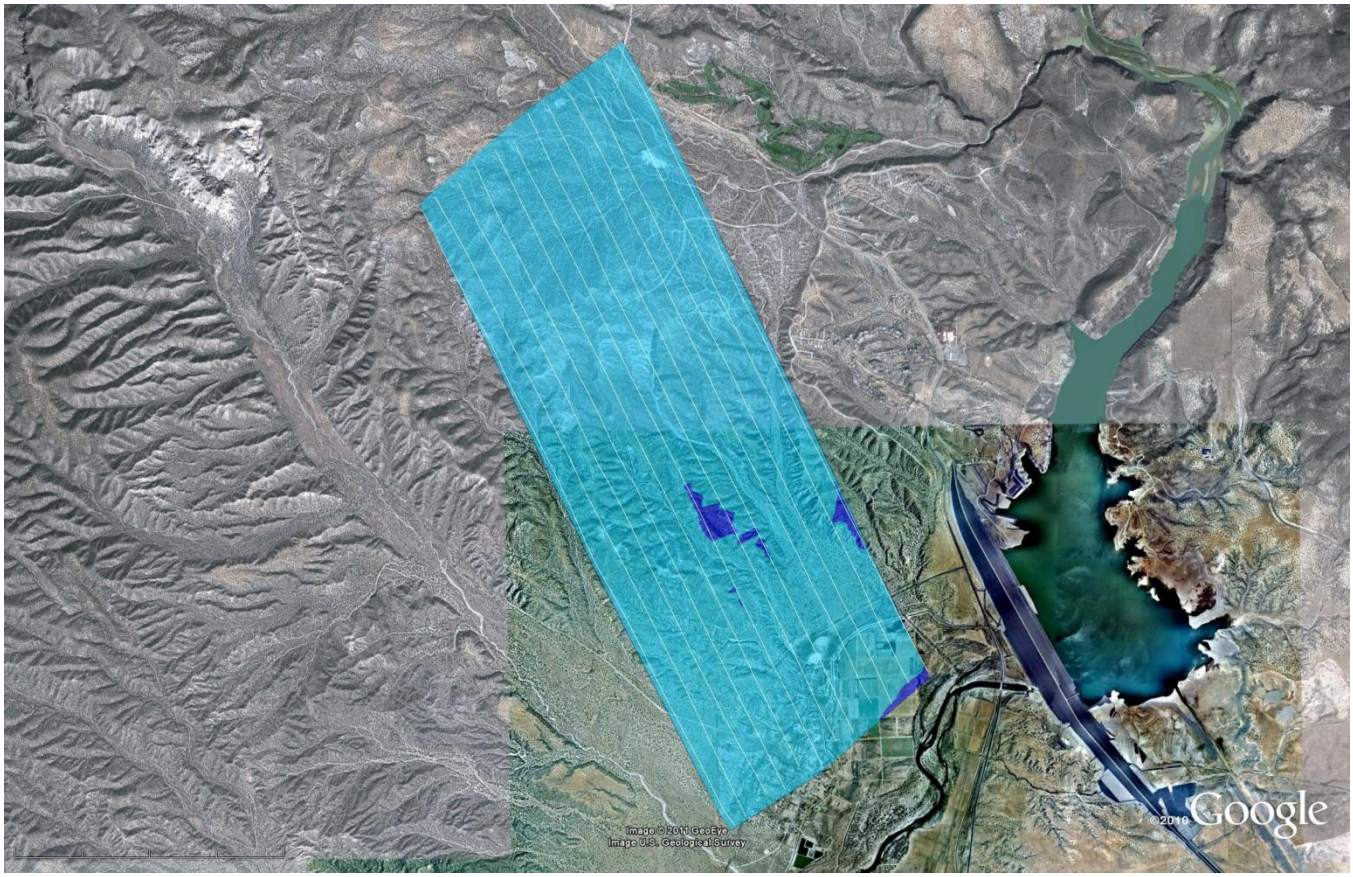
Flight Parameters

1000 ft altitude
500 ft line spacing
110 knots
1 second acquisition time

Radiation can be measured in exposure rate. Typical background exposure rates in New Mexico range from 5 - 20 µR/hr. The maximum exposure rate for this survey was 6 µR/hr. This is in the normal range. The exposure rate contour map indicates estimated radiation exposure rates on the ground and can be used to identify hazardous levels of radiation. This map indicates that there are no hazardous levels in the area surveyed.

Image 4

Cochiti Survey Area
Exposure Rate Contour Map
July 2, 2011



Parameter	Exposure Rate (uR/hr)
< 5.0000	25.000 : 30.000
5.0000 : 10.000	30.000 : 35.000
10.000 : 15.000	35.000 : 40.000
15.000 : 20.000	40.000 : 45.000
20.000 : 25.000	> 45.000

ASPECT Program

Flight Parameters

1000 ft altitude
750 ft line spacing
110 knots
1 second acquisition time

Radiation can be measured in exposure rate. Typical background exposure rates in New Mexico range from 5 - 20 µR/hr. The maximum exposure rate for this survey was 10 µR/hr. This is in the normal range. The exposure rate contour map indicates estimated radiation exposure rates on the ground and can be used to identify hazardous levels of radiation. This map indicates that there are no hazardous levels in the area surveyed.

Brief Discussion of Results

Chemical

No chemical data were collected due to sensor-door malfunction.

Radiological

No significant radiological detections over the following areas:

1. *Cuba*
2. *Jemez Pueblo*
3. *Jemez Springs*
4. *Cochita Pueblo*

Photography

No aerial photographs were collected due to camera-door malfunction.

Infrared Imaging

No infrared imaging data were collected due to sensor-door malfunction.

General Observations

1. *Bland Area was not able to be surveyed due to air traffic control, active fires, and heavy smoke conditions.*
2. *Medium to heavy smoke conditions existed at every survey location.*

ASPECT Team is demobilizing today.