

Underground Test Area Activities Update



Bill Wilborn, Sub-Project Director

Underground Test Area (UGTA)

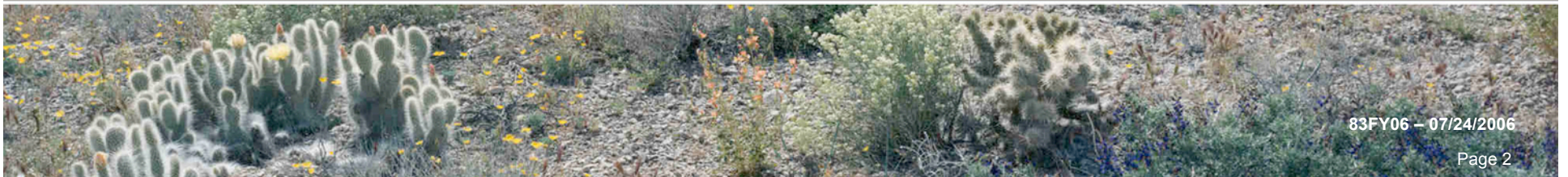
July 24, 2006

Community Environmental Monitoring Program
Mount Charleston, Nevada

U.S. Department of Energy, National Nuclear Security Administration
Nevada Site Office – Environmental Management

Underground Test Area Sub-Project Goals and Description

- Evaluate the extent of contamination to the groundwater due to underground nuclear testing
- Develop five Corrective Action Unit (CAU) specific models
- Design groundwater monitoring network

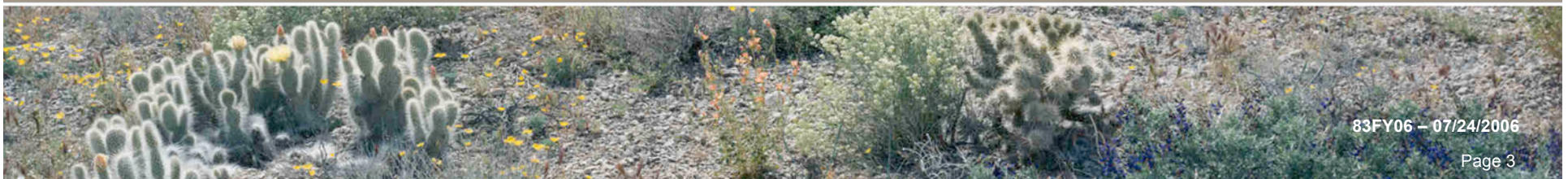


Sub-Project Goals and Descriptions

continued

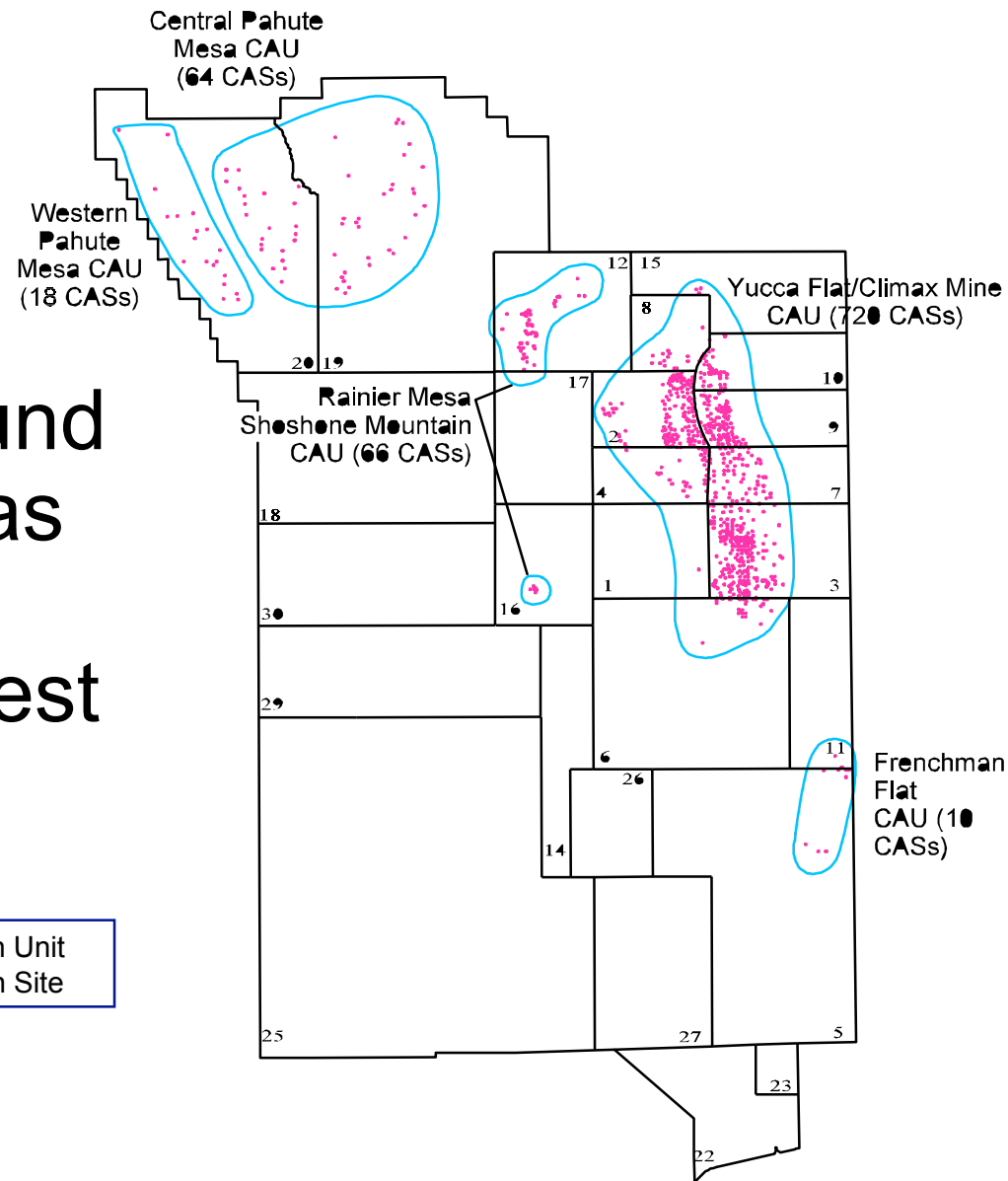


- Provide for protection of the public and workers
- Establish a long-term groundwater monitoring network
- Develop groundwater flow models which can be used by National Nuclear Security Administration Nevada Site Office and the State of Nevada to evaluate effects of future changes in the system concerning contaminant migration



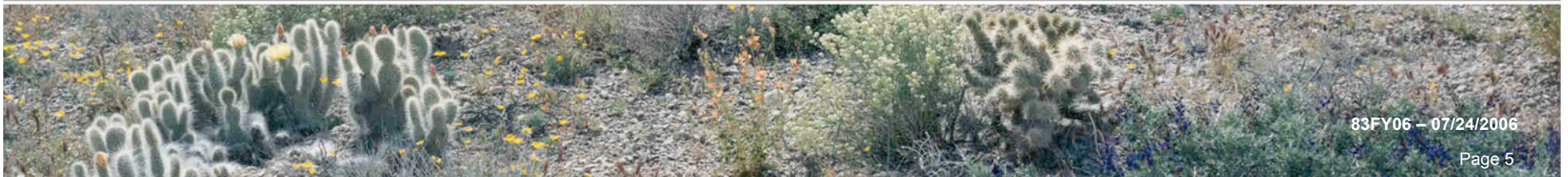
Underground Test Areas on the Nevada Test Site

CAU = Corrective Action Unit
CAS = Corrective Action Site



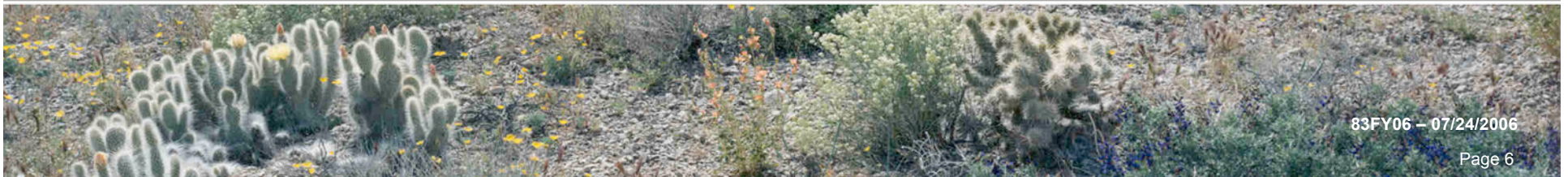
FY 2005 Frenchman Flat Activities

- Phase II Data Analysis and Evaluation (A/E)
 - Completed flow model
 - Continuing transport model parameter analysis
 - Continuing source-term sub-CAU scale (Transient Cambric)



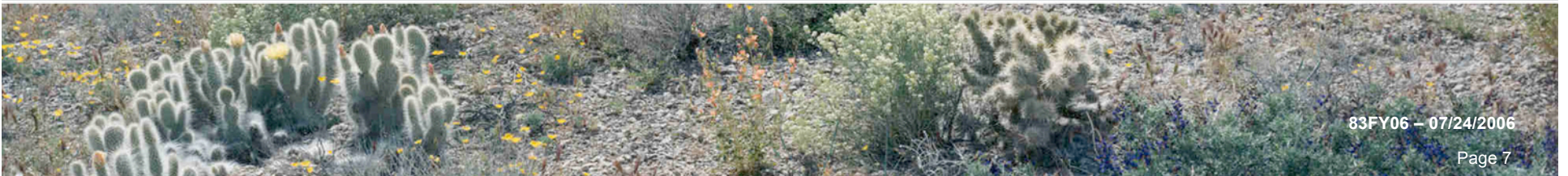
FY 2005 Central / Western Pahute Mesa Activities

- Phase I Contaminant Boundary
 - Completed flow model
 - Continuing transport model A/E



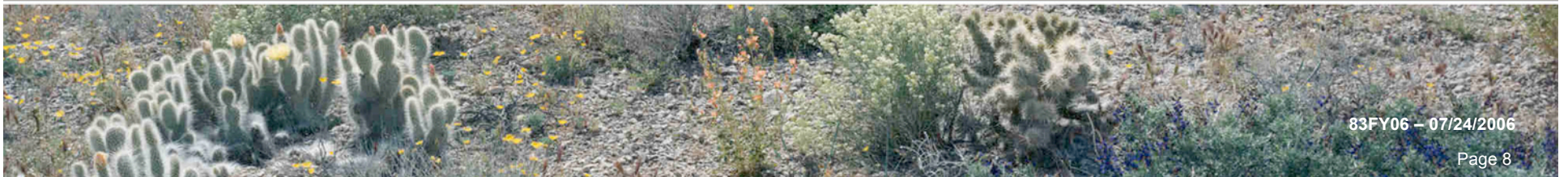
FY 2005 Yucca Flat Activities

- Phase I Data A/E
 - Completed geologic model
 - Completed hydrologic data documentation package
 - Reviewing ER-6-1 analysis report



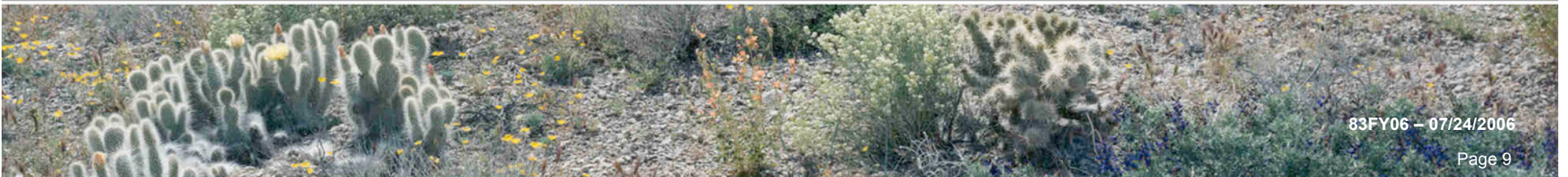
Rainier Mesa / Shoshone Mountain

- Activities
 - Continuing geologic model
 - Evaluating groundwater sampling locations
 - Drilling ER-16-1 well an additional 500 feet



UGTA Field Work

- Installing pumps
- Sampling five wells



UGTA Summary



- UGTA is aggressively moving forward in all CAUs
- UGTA continues to work closely with the Environmental Monitoring Program

