

Defense-Related Uranium Mines Program

This fact sheet provides information about the Defense-Related Uranium Mines program.

Program Overview

The U.S. Department of Energy (DOE) Defense-Related Uranium Mines (DRUM) program is a partnership between DOE, federal land management agencies, and state and tribal abandoned mine lands (AML) programs to verify and validate the condition of approximately 4,225 mine sites across the nation. These DRUM sites provided uranium ore to the U.S. Atomic Energy Commission (AEC) for defense-related activities that occurred between 1947 and 1970.

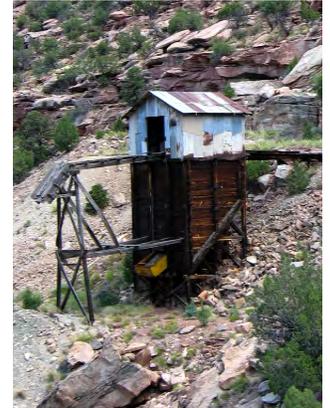
Most DRUM sites are located on public land and are abandoned. Initiated in 2017, DRUM Campaign 1 focuses on approximately 2,500 legacy mines located on public land and administered by federal and state agencies. Campaign 2 is scheduled to commence field work in fiscal year 2023 and will assess DRUM sites on tribal land. Campaign 3, which will address DRUM sites on private property, is scheduled to begin field work in fiscal year 2024. DOE Office of Legacy Management (LM) implements the program by conducting verification and validation activities, which include:

- Exchanging program results and information with other federal, state, and tribal governments.
- Performing field inventories to document mining-related features at DRUM sites for safety risks.
- Conducting environmental sampling to evaluate health and environmental risks.
- Producing mine-specific reports that document conditions at DRUM sites.
- Working with partner agencies to leverage resources to address mines with priority hazards.

Report to Congress

DOE obtained its authority for the DRUM program under Section 3151 of the National Defense Authorization Act for fiscal year 2013. The act mandated that the Secretary of Energy conduct a review of and prepare a report on abandoned uranium mines that provided ore for defense-related activities of the United States. DOE consulted with other federal agencies, affected states and tribes, and the public to develop the report. In August 2014, DOE finalized

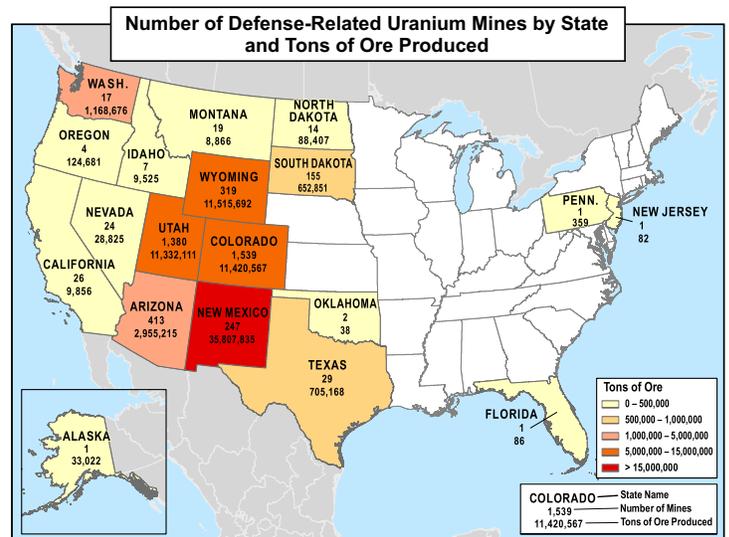
the report, which documented that many data gaps still exist about DRUM sites. DOE determined that further review of DRUM sites was needed to fully meet the intent of the act. For more information, please visit the Report to Congress web page at www.energy.gov/lm/defense-related-uranium-mines-report-congress.



Wild Steer Mine
(BLM-administered land)

Abandoned Uranium Mines Working Group

The Abandoned Uranium Mines Working Group (AUMWG) is a consortium of federal agencies working together to address the human health, safety, and environmental challenges posed by the nation's abandoned uranium mines. The working group is led by LM and includes leadership from the U.S. Environmental Protection Agency (EPA), U.S. Bureau of Land Management (BLM), U.S. Forest Service (USFS), Bureau of Indian Affairs, and National Park Service (NPS).

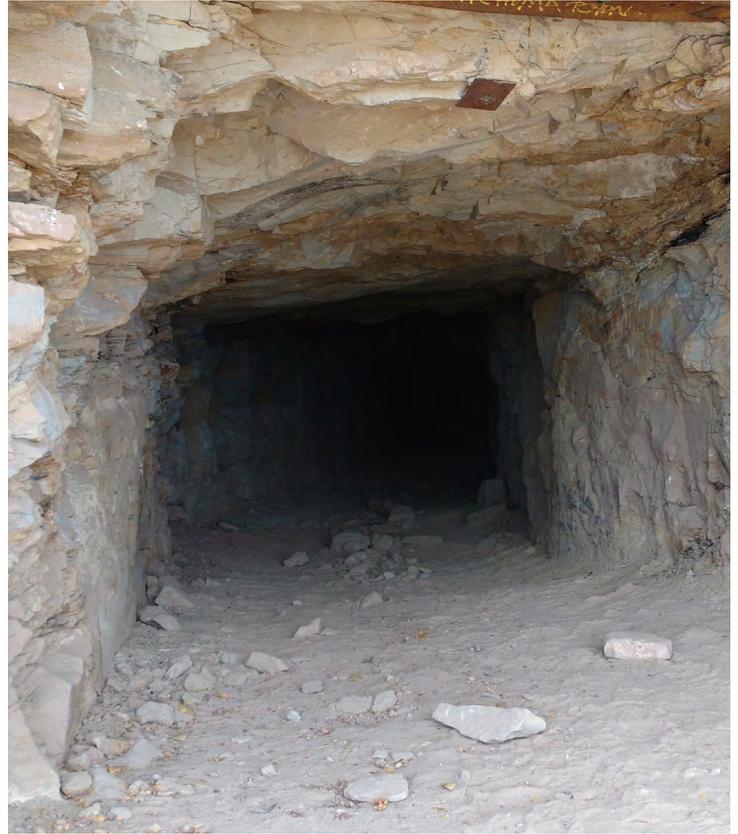


Field Operations

LM uses a technical support contractor to implement field projects that verify and validate DRUM sites. Projects are often grouped by mining district. Technical specialists perform tasks such as:

- Confirming accurate locations of DRUM sites through record reconciliation efforts.
- Determining the status of mine reclamation or remediation.
- Inventorying DRUM sites by collecting location and condition data on features, such as adits, shafts, and waste-rock piles.
- Performing radiological (gamma) walkover surveys.
- Conducting soil and water sampling (if applicable).
- Developing reports that provide rankings of physical safety hazards at DRUM sites, as well as performing preliminary screenings of potential risks to human health and the environment.

Field crews implementing the work administered by DOE are the backbone of the program. Their efforts will support DOE in achieving its current goal of addressing the estimated 2,500 DRUM sites located on public land by the end of fiscal year 2022.



Adit at the Cedar Mine, a Small Mine Located Southeast of Moab, Utah (BLM-administered land)



Rattlesnake Open Pit, a Large Mine Located Southeast of Moab, Utah (BLM-administered land)

Federal and State Partnerships

In order to effectively inventory and sample DRUM sites, DOE continues to maintain and develop new partnerships with BLM, USFS, and NPS, as well as with state, local, and tribal governments in Colorado, New Mexico, Utah, South Dakota, and Wyoming. DOE will continue to expand its partnerships until all DRUM sites on public land are verified and validated.

DOE also formed partnerships with state AML programs. Agreements are established with AML programs in Colorado and Utah to obtain inventories of DRUM sites located primarily on private, mixed-ownership, and state land. DOE will continue to work with state AML programs, which offer authority and expertise in regard to the status and closures of physical safety hazards presented by DRUM sites.



CONTACT INFORMATION

**IN CASE OF AN EMERGENCY AT THE SITE,
CONTACT 911.**

Information about LM is available at
www.energy.gov/lm.

For more information about LM activities, contact:
U.S. Department of Energy
Office of Legacy Management
2597 Legacy Way
Grand Junction, CO 81503

Email:
DRUMInfo@lm.doe.gov
public.affairs@lm.doe.gov

DOE Office of Legacy Management
(970) 248-6070 (monitored continuously)
(877) 695-5322 (toll-free)



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