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Title: Trails at TA-70 and 71 - Project Update Public Meeting June 12, 2013

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Intended for: Public meeting presentation held in White Rock on June 12, 2013
Environmental Programs

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70 YEARS OF CREATING TOMORROW



Los Alamos
NATIONAL LABORATORY

Trails at Technical Areas 70 and 71

Project Update Public Meeting

June 12, 2013

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General Ground Rules

Please ...

- Wait until the scheduled time to provide comments or to ask questions
- Identify yourself before speaking
- Keep your questions short
 - remember there may be others waiting to ask questions
- Honor the process by keeping questions and comments civil and by using appropriate language
- Yield the floor if requested by the facilitator
- Help the participants and facilitator ensure that the agenda content and timeframes are met



Agenda

Time	Subject	Speaker
5:30	Meeting opening Welcome and purpose	Lorrie Bonds Lopez Dan Pava Los Alamos National Laboratory
5:35	Commitment to resource conservation	Isaac Valdez Department of Energy
5:40	Overview of trails and etiquette at TA-70 and TA-71	Craig Martin Los Alamos County
6:00	Resource protection requirements	Jen Payne Los Alamos National Laboratory
6:15	Fencing, kiosks, and fire restrictions	Manny L'Esperance Los Alamos National Laboratory
6:30	Rules and Park Service patrols	Tom Betts Bandelier National Monument
6:45	Unexploded ordnance	Brad Lounsbury
7:00	Where to find trail information	Dan Pava
7:10	Questions	Lorrie Bonds Lopez



Meeting Goals

- To inform and educate citizens about trails management issues in TA-70 and 71, including resource protection, public safety, and trails etiquette.
- To better understand citizen concerns about trails use and related issues at TA-70 and 71.
- To identify the path forward that allows the area to remain open to the public while NNSA/LANS meets stewardship responsibilities and complies with federal laws.



Isaac Valdez

Department of Energy
National Nuclear Security Administration
Los Alamos Field Office

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Cultural Resources and Recreational Trails In Technical Areas 70 and 71

Jennifer E. Payne
Environmental Stewardship Services

June 12, 2013

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Cultural Resources and Compliance

Los Alamos National Laboratory (LANL) is responsible for managing approximately 2000 cultural properties spanning more than 8000 years.

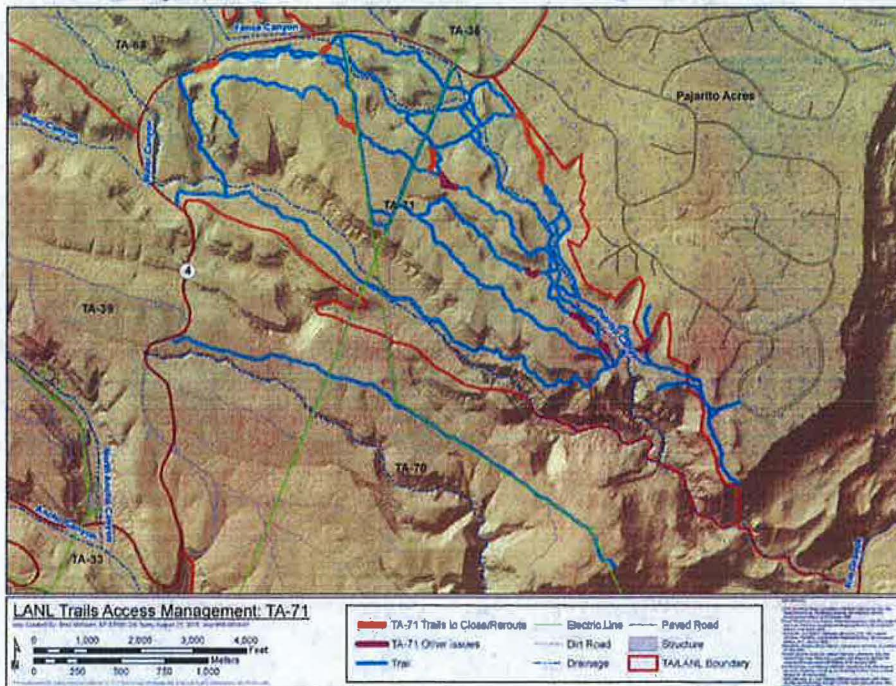
Federal and State laws, Executive Orders, and Department of Energy Orders require LANL to identify, evaluate, and protect archaeological properties that are eligible for the National Register of Historic Places.

Additionally, consultation with Native American communities regarding the protection and disposition of archeological sites and traditional cultural properties is required under the National Historic Preservation Act.

The Laboratory assists the Department of Energy/National Nuclear Security Administration in its stewardship and trust responsibilities for these cultural resources.



Technical Areas 70 and 71 and Pajarito Acres in White Rock





Issues related to recreational trails use

Compliance, including protection of cultural and natural resources;

Public opinion;

Attitudes and interests of the Accord Pueblos, namely San Ildefonso in this area; and

National security, safety, LANL operations, and LANL liability.

Trails management and site stewardship decisions must account for all of these issues.



Looting at an Ancestral Pueblo site adjacent to a trail

Bottom line: It is illegal to excavate, collect from, or damage archaeological sites on federal lands without a permit. The penalty for violations includes fines and/or imprisonment.





Trail segment adjacent to an artifact scatter with evidence of a modern campfire within the site



Ancestral Pueblo trail segments are sometimes incorporated into recreational trails





Balancing Preservation and Recreation

The goal of cultural resources management and trails management is to find a balance between preserving and protecting cultural and other affected resources and the public's desire to use these lands for recreation.

A majority of people are very respectful of the natural and cultural resources along the trails they use.

Some of the damage to archaeological sites is a result of natural erosion, which can be exaggerated by the creation and use of trails. Other kinds of damage are intentional.

A site stewardship program that trains trails users in trails maintenance, site monitoring, and cultural resources preservation and protection, may be an effective strategy. This effort could be beneficial to all participants, because it creates an opportunity for communication, education, and participation.



Recommendations for Future Trails Use and Cultural Resources Management

- ✓ Education, outreach, and awareness for residents and recreational users of the area;
- ✓ Use these areas respectfully;
- ✓ Access control points that avoid impacts to cultural resources in the area;
- ✓ Archaeological site monitoring and management; and
- ✓ Increased NPS patrols of the area.
- ✓ **Last resort:** if controls are ignored or removed, DOE will have to close the area to all users to avoid compliance issues and impacts to sites. In this case, a few bad apples **can** spoil the bunch.



Manny L'Esperance

Los Alamos National Laboratory



WILDLAND FIRE





2013 Fire Season Considerations and Outlook

SWCC Predictive Services

Created April 4, 2013

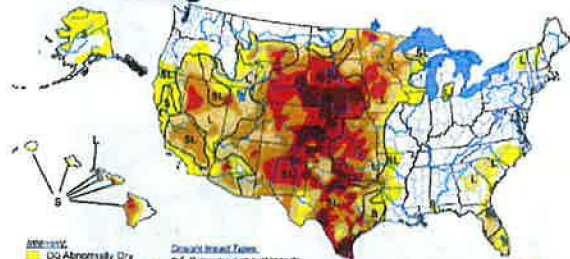


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U.S. Drought Monitor March 26, 2013



Abbreviations:
 D0 Abnormally Dry
 D1 Drought - Moderate
 D2 Drought - Severe
 D3 Drought - Extreme
 D4 Drought - Exceptional

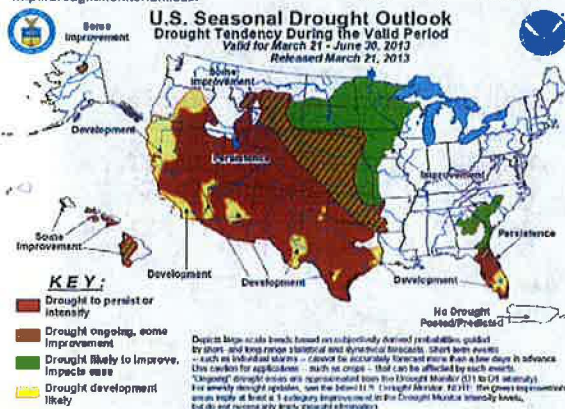
Drought Impact Terms:
 D0 - D1: Drought without impacts
 D2 - D3: Short-Term, typically 4-6 months (e.g. Agriculture, grasslands)
 D4: Long-Term, typically 6-8 months (e.g. Hydrology, ecology)

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

<http://droughtmonitor.unl.edu/>



Released Thursday, March 28, 2013
 Author: Anthony Arasa, NOAA/NWS/CPC/CRPC



KEY:
 Drought to persist or intensify
 Drought ongoing, some improvement
 Drought likely to improve, impacts ease
 Drought development likely

Drought maps are based on subjectively derived persistence guidelines for short- and long-range historical and dynamical forecasts, which have evolved. This makes for applications - such as crop insurance - that can be affected by such events. "Severe" drought events are operationalized from the Drought Monitor (D1 to D4 intensity). For weekly drought updates, see the latest D1 to D4 Drought Monitor (D1 to D4 intensity). For weekly drought updates, see the latest D1 to D4 Drought Monitor (D1 to D4 intensity). For weekly drought updates, see the latest D1 to D4 Drought Monitor (D1 to D4 intensity). For weekly drought updates, see the latest D1 to D4 Drought Monitor (D1 to D4 intensity).

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Fire Season 2013: Drought



- Severe+ long term drought ongoing across much of the region
- Drought outlook calls for drought to persist through the spring
- Best we can hope for is temporary mitigation of drought impacts with any wetter periods
- "Increased volatility during fire season"



FUEL MODIFICATION



UNTREATED





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MITIGATION TEAM



YOU

- Maintain Defensible Space
- Fire Safe Operations
- Smoking in Designated Areas
- Follow Posted Restrictions
- Report Hazardous Situations
- Maintain Situational Awareness
- Report Smoke or Fire 911





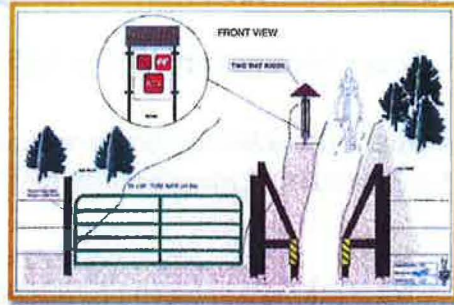
Turning issues into solutions



Issues with vandalism



New fencing, gates and kiosks to guide users



Tom Betts

United States National Park Service Bandelier National Monument



Trails Information can be found on the LANL external website at:

<https://www.lanl.gov/community-environment/environmental-stewardship/protection/trails.php>

Trails Information can be found on the LANL internal website at:

<http://blog.lanl.gov/trails/>

For further information please contact Dan Pava:

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Unexploded Ordnance (UXO) in the LANL TA-70 & TA-71 Areas

Presented By
Brad Lounsbury,
Los Alamos National Laboratory,
OSH-ISH

DANGER UXO



Objective

To enable the briefing attendees to perform in a safe and correct manner when in a potential or known ordnance site or impact range.

The protection of people from the hazards associated with discovered fired munitions is the most important factor in dealing with UXO.

The Three R's of a UXO Response



Unexploded Ordnance (UXO)

Military munitions that have been primed, fuzed, armed, and have been fired, dropped, launched, projected, as to constitute a hazard to operations, personnel, or material, and remain unexploded either by malfunction, design, or any other cause. UXO is considered to be the most dangerous category of military munitions.



UXO Qualified Personnel

Personnel that have graduated from
US Naval EOD School, Indian Head, MD
or
US Naval EOD School, Eglin Air Force Base, FL.
All four military services have EOD Technicians.



General Safety Precautions

- **DO NOT TOUCH**, directly or indirectly, or move UXO at any time.
- Consider all practice ammunition to contain live explosives.
- Never spend more time near a suspected UXO than is absolutely necessary.
- Never attempt to remove anything from any suspected UXO.
- Never use any cell phone or radio transmitting device in any UXO site until it has been determined to be safe.
- Never assume that the color code on an ammunition item is correct.
- Never dig or disturb the soil in a UXO area.

Military Munitions Found On LANL



A 60-mm Mortar
Found in the TA-70 Area



An X-Ray Taken
of the Mortar



Military Munitions – 60-mm & 81-mm Mortars



Military Munitions – 2.36-Inch Rocket



Military Munitions – MK 2 Hand Grenade



Military Munitions – Rifle Grenades



Military Munitions – Projectiles



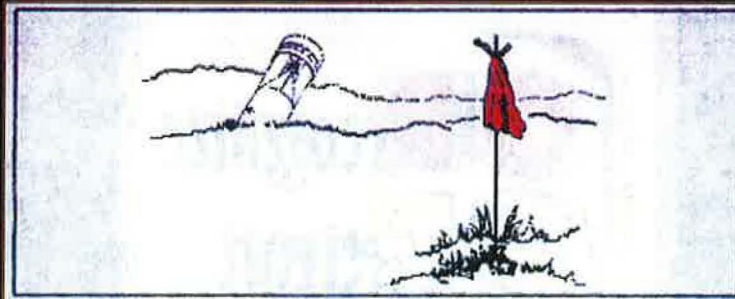
The Three R's of a UXO Response



LANL Area UXO Signs



UXO Markers



94032058

Figure 3-11. Marking UXO with alternate type of material.

Reporting UXO

- **On LANL Property**
 - LANL Emergency Management —
7-6211 or 911
- **In Los Alamos County - 911**