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

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

## 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

Cultural Resources and Recreational Trails In Technical Areas 70 and 71
Jennifer E. Payne
Environmental Stewardship Services
June 12, 2013
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.
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.

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
2013 Fire Season Considerations and Outlook
SWCC Predictive Services

Created April 4, 2013

U.S. Drought Monitor March 26, 2013

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
MITIGATION TEAM

- 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:


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

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

For further information please contact Dan Pava:
Telephone: 667-7360
Email: dpava@lanl.gov
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

U.S. Rifle Grenades, WWII-Korea

Military Munitions – Projectiles

Figure C-1: Spin-stabilized projectiles. 105-millimeter and smaller.
The Three R's of a UXO Response

LANL Area UXO Signs
UXO Markers

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