Soils Sub-Project Overview

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Community Advisory Board Meeting

Transportation / Waste Committee Meeting

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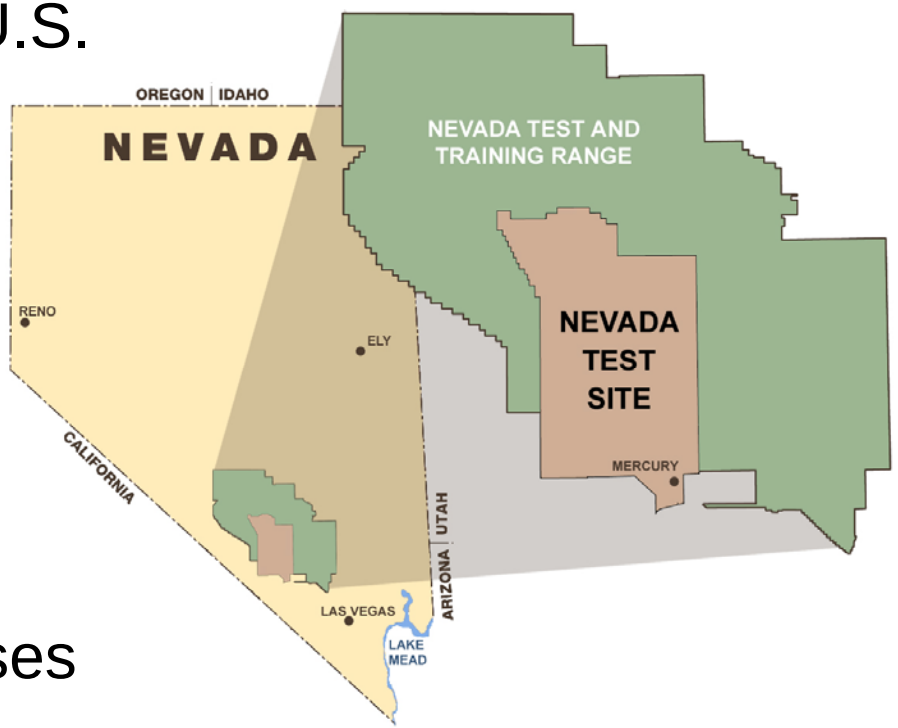
What Is the Problem?

- Surface soils at the Nevada Test Site (NTS) and Nevada Test and Training Range (NTTR), operated by the U.S. Air Force, were contaminated by:
  - Historical atmospheric nuclear weapons tests
  - Nuclear weapon safety experiments
  - Nuclear weapon storage-transportation tests
  - Evaluation tests for peaceful uses of nuclear explosives



Addressing the Problem

- Soils Sub-Project
  - Characterizes and/or remediates surface soil contamination
    - Characterize means to identify the extent and nature of the contamination present
    - Remediate can mean an array of options to dealing with a contaminated site; e.g., closing in place, fencing/posting, or perhaps even removing soils
  - Ensures that appropriate controls (i.e. signage/postings, barriers, etc.) are in place at the sites
  - Conducts long-term monitoring of sites
- State of Nevada oversight provided under the Federal Facility Agreement and Consent Order (FFACO)

Key Terminology

- Corrective Action Site (CAS)
  - a site that has been identified as needing remediation
- Corrective Action Unit (CAU)
  - a grouping of CASs that are similar in remediation technique, type of contaminates or proximity to each other

The Soils Sub-Project consists of 19 CAUs -- comprised of 87 CASs

Project Timeline

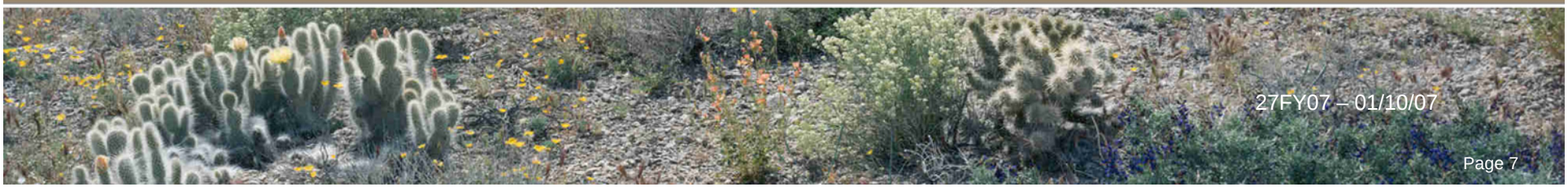
- 1981 to 1986 – Surveyed surface soils to identify the level and location of radioactive contamination
- 1996 – Remediated surface soils at Double Tracks
- 1997– Remediated surface soils at Clean Slate I
- 1998 – Technology evaluation at Clean Slate II

Clean Slate Sites I, II, III

- Tests conducted: May and June 1963
- No yield explosive storage-transportation tests on nuclear weapons
  - Resulted in dispersion of contamination to surface soils

Clean Slate I

- Soil contaminated with plutonium (Pu)
- Fenced area is approximately 47 acres
- Approximately eight acres within 200 pico curies/gram (pCi/g) range according to 1993 aerial survey



Clean Slate II

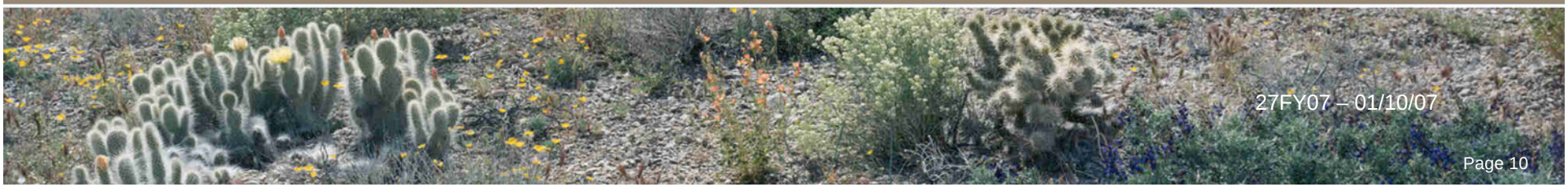
- Pu-contaminated soil
- Fenced area is approximately 120 acres
- Approximately 85 acres within 200 pCi/g range, according to 1993 aerial survey

Clean Slate III

- Pu-contaminated soil
- Approximately 450 acres - fenced
- Approximately 100 acres within 200 pCi/g range, according to 1993 aerial survey

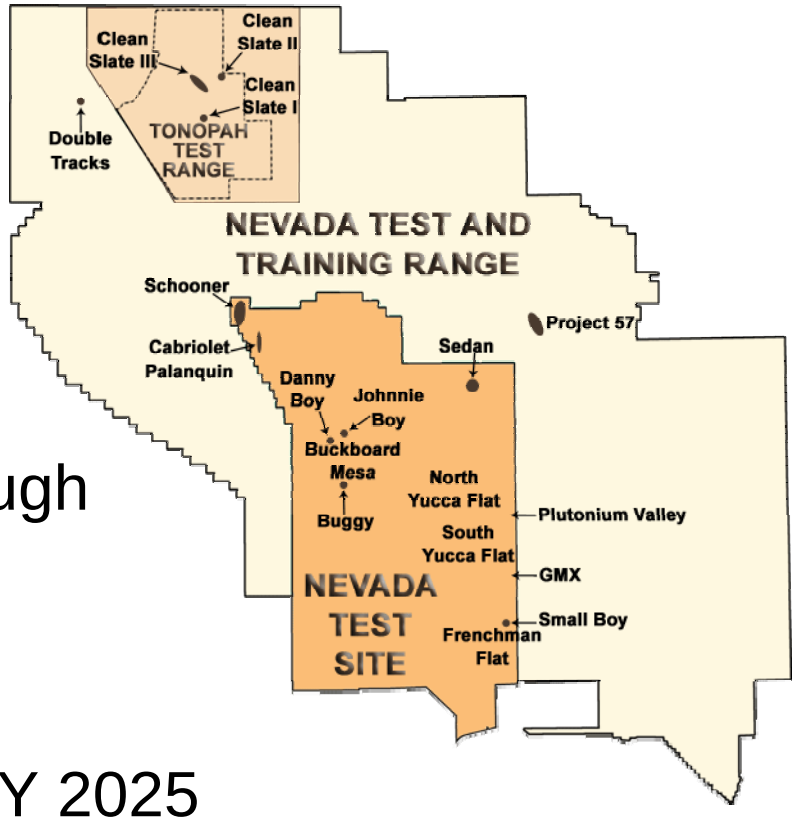
FY 2007 Activities

- No field work planned
- Reviewing the grouping of CAUs / CASs to ensure that most effective approach to characterization / remediation
- Evaluating the nuclear hazard category to ensure that it is appropriate for contamination levels
- Working with the U.S. Air Force to clarify the end-use state to ensure appropriate approach to remediation



Future Activities

- Conduct additional characterization at Project 57, Small Boy, and Plutonium Valley
- Conduct cover closure activities at Clean Slate II and III
- Conduct long-term monitoring through compliance surveys
- Monitor remaining sites indefinitely
- Complete the soils sub-project in FY 2025



Stakeholder Information / Involvement

- Do not anticipate any document release for comments in FY 2007
- Will continue to respond to CAB requests for information
- Will provide ongoing information in monthly CAB updates