

Fallout Radioactivity Survey of Public Zones Around the Nevada National Security Site: A Recent Study

- Motivation: The Nevada National Security Site was home to over 100 above ground atomic bomb tests from 1951-1992. Want to evaluate potential fallout nuclides from testing in public areas.
- Methods: Measurement of flora samples and air filters around area through Neutron Activation Analysis followed by counting using HPGe detector
- Conclusion: No nuclear fallout detected in air samples or plant samples. All activity observed is consistent with values seen in uncontaminated areas

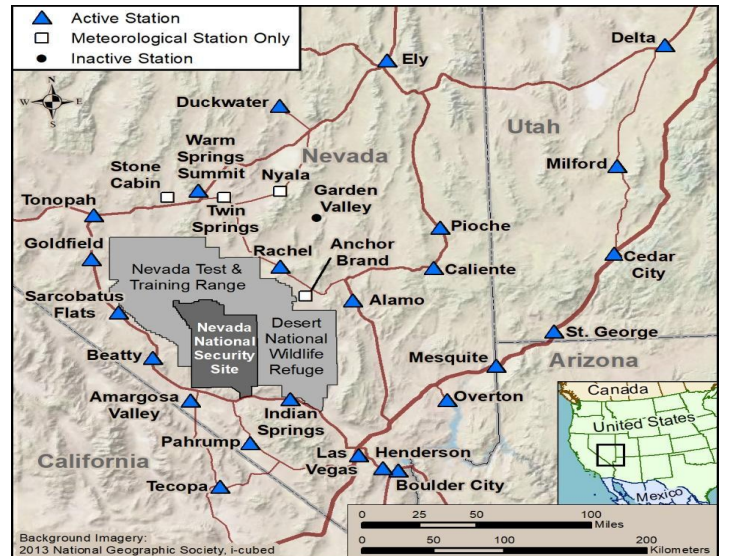


Figure 1: Air sampling locations

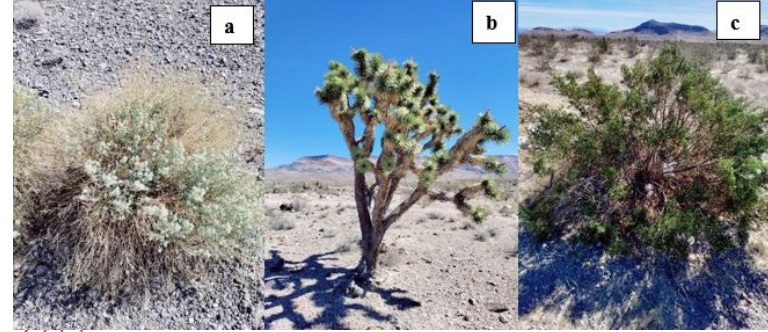


Figure 2: Flora sample plant species

Figure 4: Comparison of used filter paper with unused

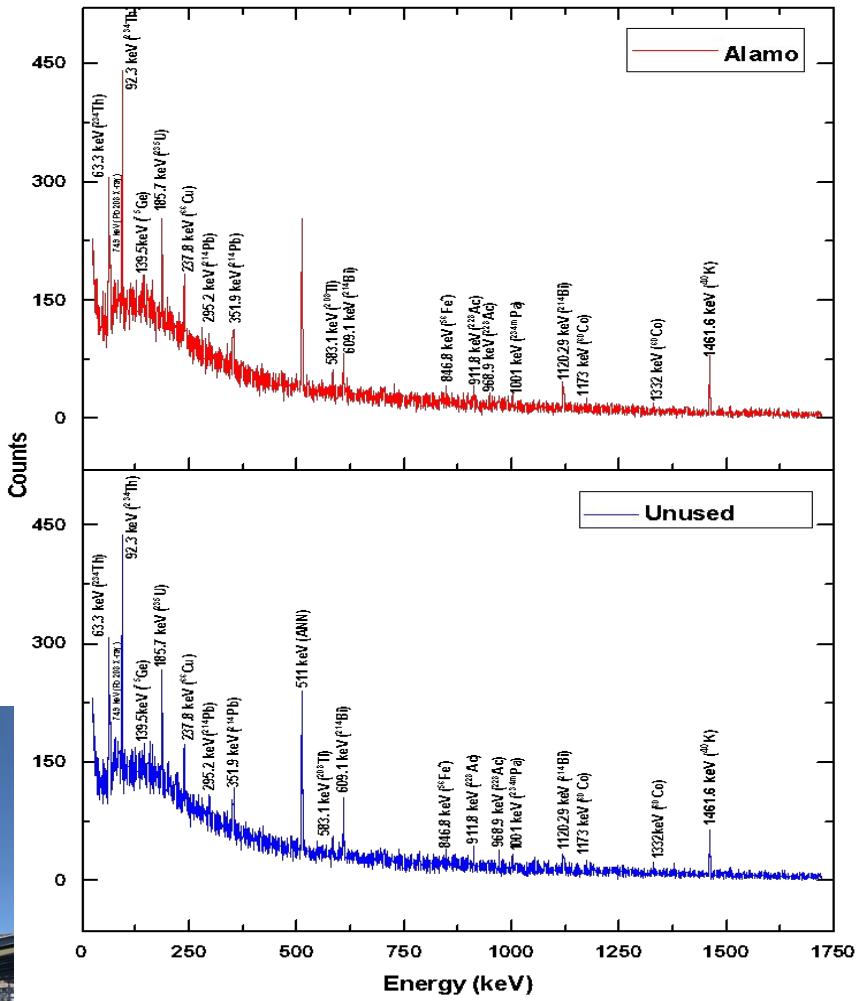


Figure 3 CEMP air sampling station

