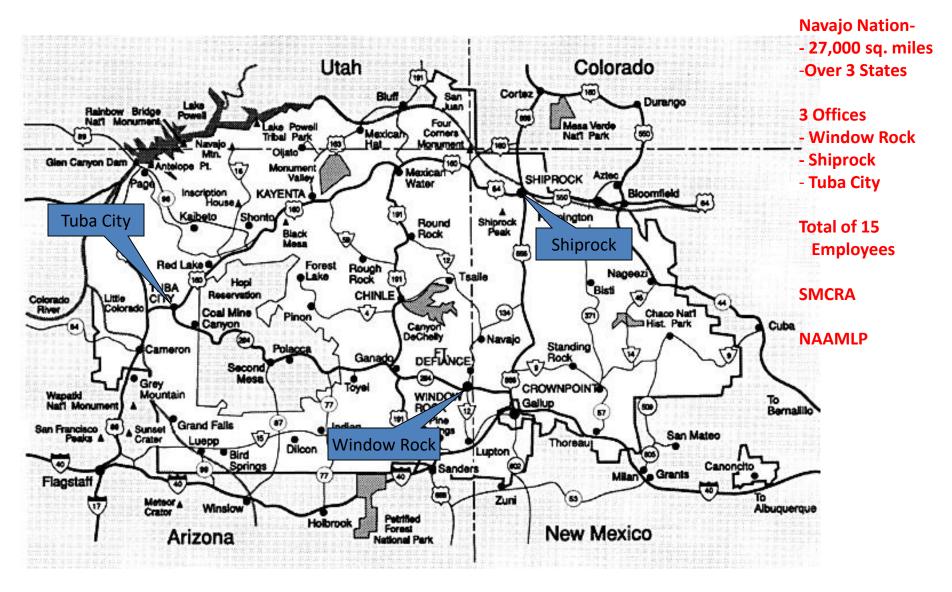
NAVAJO NATION Division of Natural Resources

"Improving Abandoned Mine Lands – Building Trust & Taking Action

Melvin H. Yazzie, Principal Mining Engineer

April 6, 2022

Navajo Nation and NAMLRD Offices



NAMLRD Considerations (Inventory)

- Mineral Involved: Surface or Underground Mine Coal, Uranium, Limestone, Sand & Gravel, Copper
- **Geology:** Sandstone, Mudstone, Clay, Forest, Rocky, Terrain, Soil Types
- Hydrology: Drainage, Elevation, Weather patterns, Watershed, Vegetation, Roads
- Public Relations: Meetings, brochures/pictures, Interactive Webmap, conferences, fairs, STEM, Partners/Stakeholders
- **NEPA:** Archaeological, Biological (F&W), Community and Public consent, Clean Water Act, CX/EA's
- **Post Land Use:** Grazing, Recreational, Farming, Residential, Land Development, Trails. *Mother Nature Dynamic!*
- **Alternatives:** Designs, Cost, Technology; Culture –vs- Science, What's acceptable? Deliverable: For the People and Environment.

New Ideas – Self Education

- Conferences:
 - NAAMLP
 - Active Mines
 - StormCon
 - Waste
 Management





Partnerships: LaPlata Mine, New Mexico Geomorphic Reclamation – large scale

Research, Computers, Partners, Capacity Building, Natural-

Enhanced Geomorphic Concepts



What is Natural?



What is Man-made?





NA-0907 Completed February 2009

Purpose: Look natural and beneficial

Enhanced Geomorphic Concepts





Window Rock AML Office Phone: 928-871-6982 Shiprock AML Office Phone: 505-368-1220

https://www.aml.navajo-nsn.gov

