Navajo Nation working together using ArcGIS to Plan for the future

Everytt Begay, GIS SUPervisor
Navajo Land Department
Vision Statement:
Administer, Acquire, Record, Regulate, Value, and Preserve Our Sacred Navajo Lands (Diné Bí Kéyah)

Mission Statement:
To Provide quality customer service by utilizing technology, legal authority, cultural awareness, and continuous education, to ensure proper optimum use of real property for all to benefit.
<table>
<thead>
<tr>
<th></th>
<th>ARIZONA</th>
<th>NEW MEXICO</th>
<th>UTAH</th>
<th>TOTAL</th>
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<td><strong>17,043,889.88</strong></td>
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The Navajo Nation has: **17,043,889.88 Acres** of land or  
**26,631 Sections/Square Miles** of land or  
**739.75 Townships** of Navajo Nation Lands and Lease Lands.

Not Included - 14 Indian Allotment, 1.159 acres surface, 319 acres of sub-surface purchase CD-80-03; any land relinquishments made by IHS and/or BIA that did not go through NLD; and lands purchased by Navajo-Hopi Land Commission.
Why is Land Use Planning Critical?
Navajo Nation 110 Chapters
Western Navajo Grazing Over-lapping
Snap Shots of GIS data on Navajo

Types of Data
- Land Parcel
- Land Status
- Permits
- Land Withdrawals
- Utility
- Road
- Building
How the Navajo Nation is Using GIS

- Mt. Taylor - Tribal Cultural Properties (TCP)
  - 5 Tribes Came together to persevere Scared sites and Cultural Practices
  - Navajo Nation was the only tribe that had GIS capabilities
  - We were able to develop a Geodatabase for this Project, including maps that supported the Proposal
  - Using Arc Tools we were able to define several TCP Boundaries
  - By using our in house GIS team the issue of releasing Sensitive data to outside Entities was reduced
How Navajo Nation is Using GIS

• Navajo Nation Reapportionment of the Navajo Nation Council
  – Navajo Nation used the GIS capabilities and saved Time and Money
  – Development of a Geodatabase
  – Created 15 different Maps by Population, Community Interest, New Agencies, HIS Service Areas.
  – By using our in house GIS team the issue of releasing Sensitive data to outside Entities
Navajo Nation Reapportionment of the Navajo Nation Council

Total Population = 171,289
Ideal District Number = 7137
Challenges - 80% of the Navajo Nation is Unsurveyed, Surveys tied to Anything and everything
Challenges -
PLSS vs Navajo Nation Data
Discrepancies of PLSS Data
The Navajo Nation

• Has created innovative programs and legislation
• Is a leader in tribal self-determination
• Can consolidate these accomplishments
• Can cooperate for even greater success
• Willing to show the way
• Owns the System