

Western GIS Initiative

Project Proposal

November, 1999

GOALS

- Meet the agency's GIS initiative
- Develop in-house GIS expertise
- Apply GIS technology toward Western SMCRA issues
- Use GIS technology to track GPRA goals

Proposal

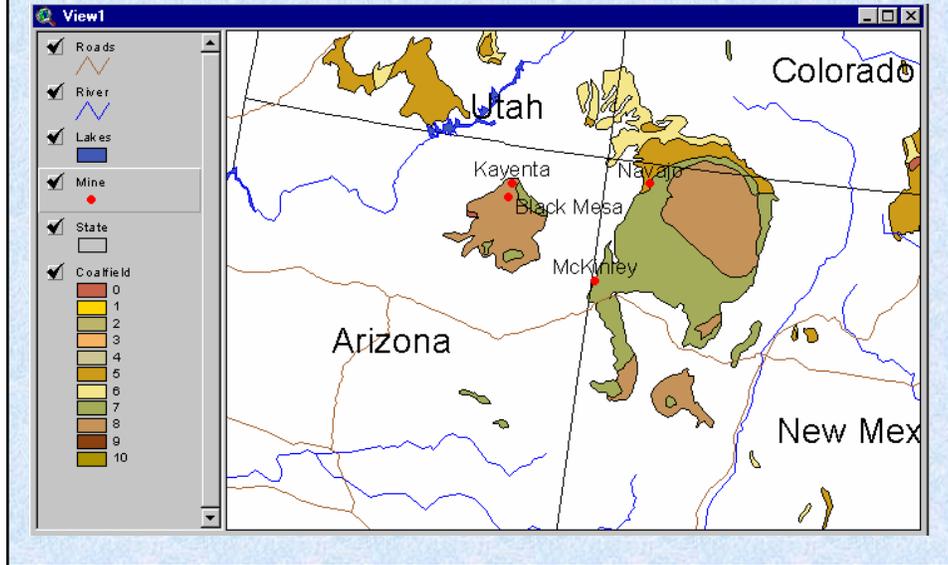
- Develop point locations for all Western coal mines
- Include the following information for each mine:
 - **Ownership**
 - **Permit number**
 - **Production**
 - **Contact information**
 - **Permit Acres**
 - **Bond Amount**

Optional

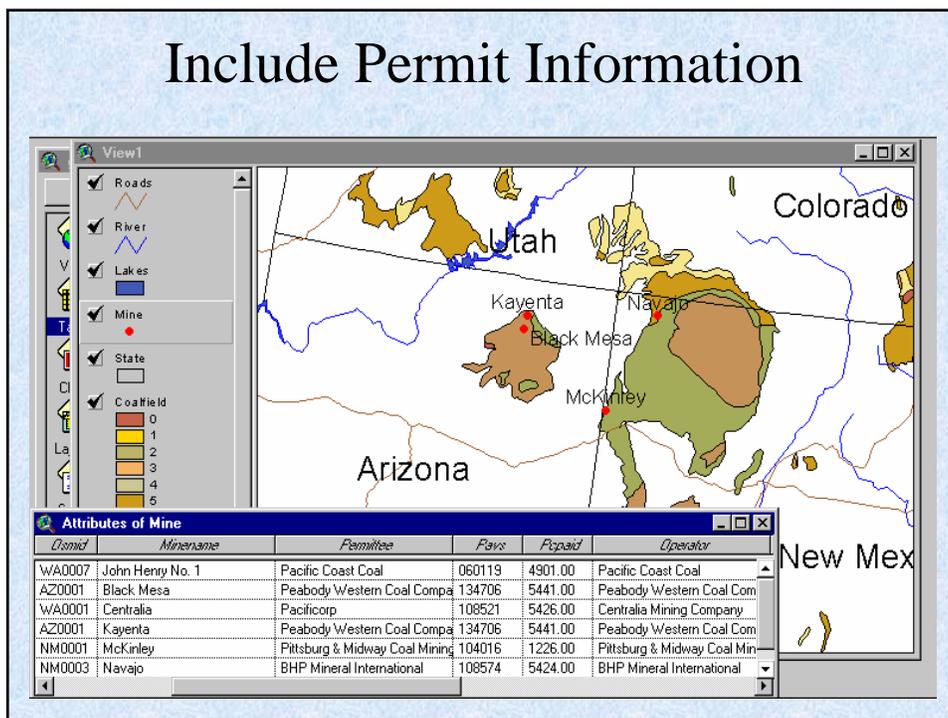
Expand Locations from Points to Boundaries

- Develop polygons for:
 - Permit boundaries
 - Surface ownership
 - Coal ownership
 - Bond status
 - Jurisdiction

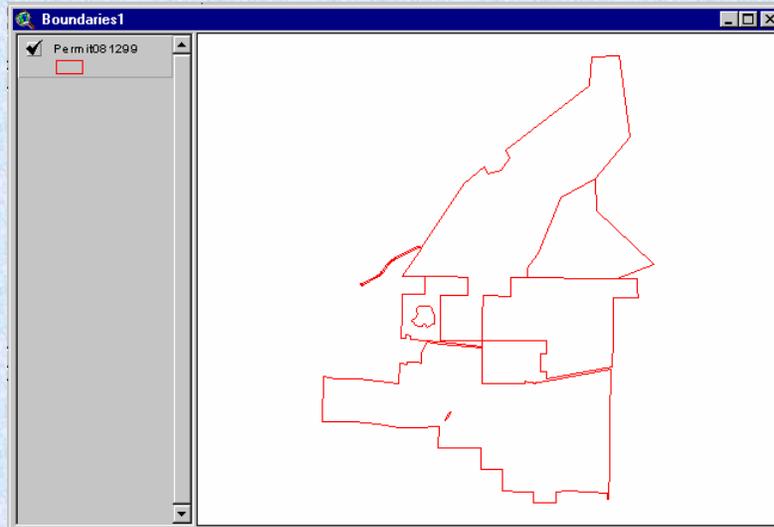
Develop point locations for all Western coal mines



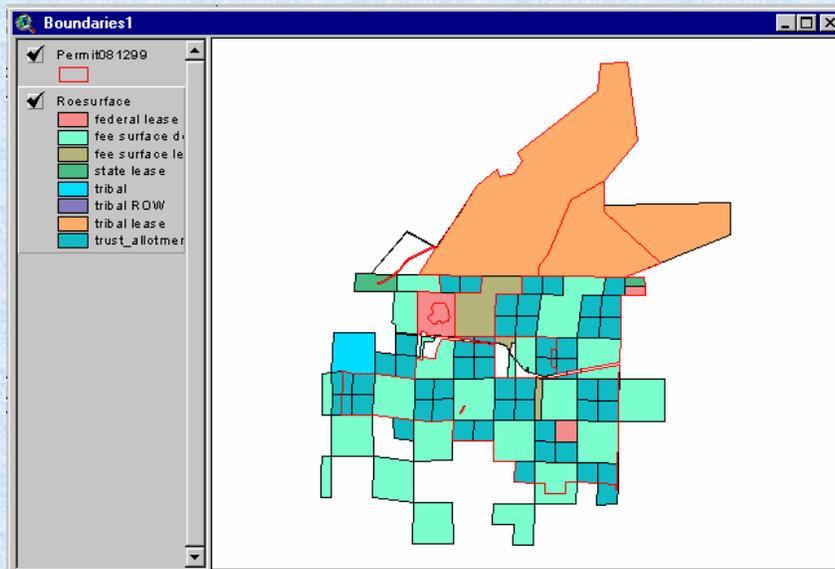
Include Permit Information



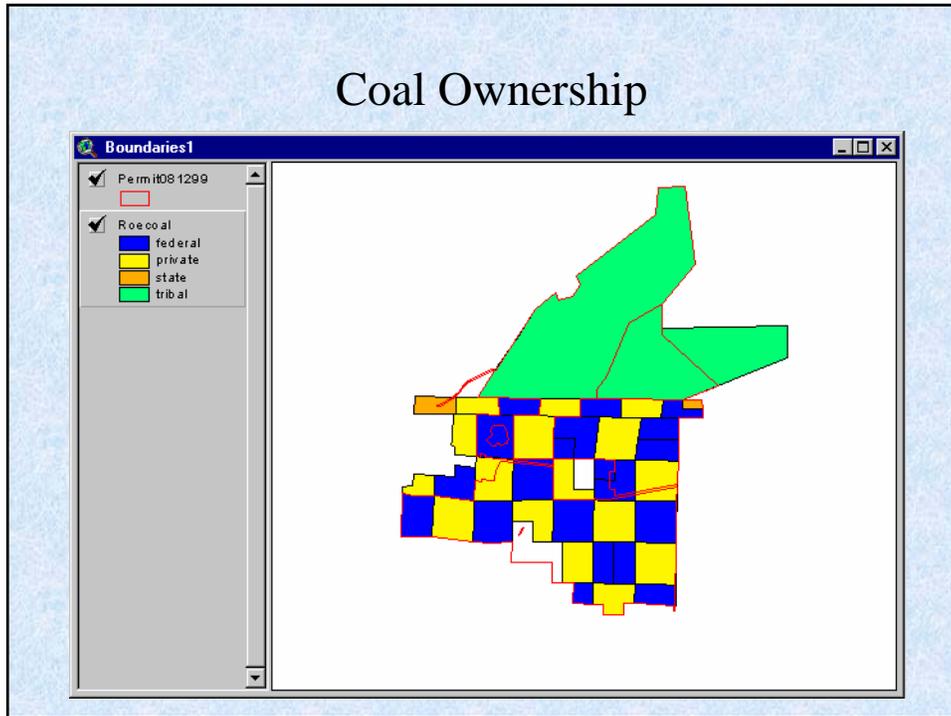
Expand Locations from Points to Boundaries



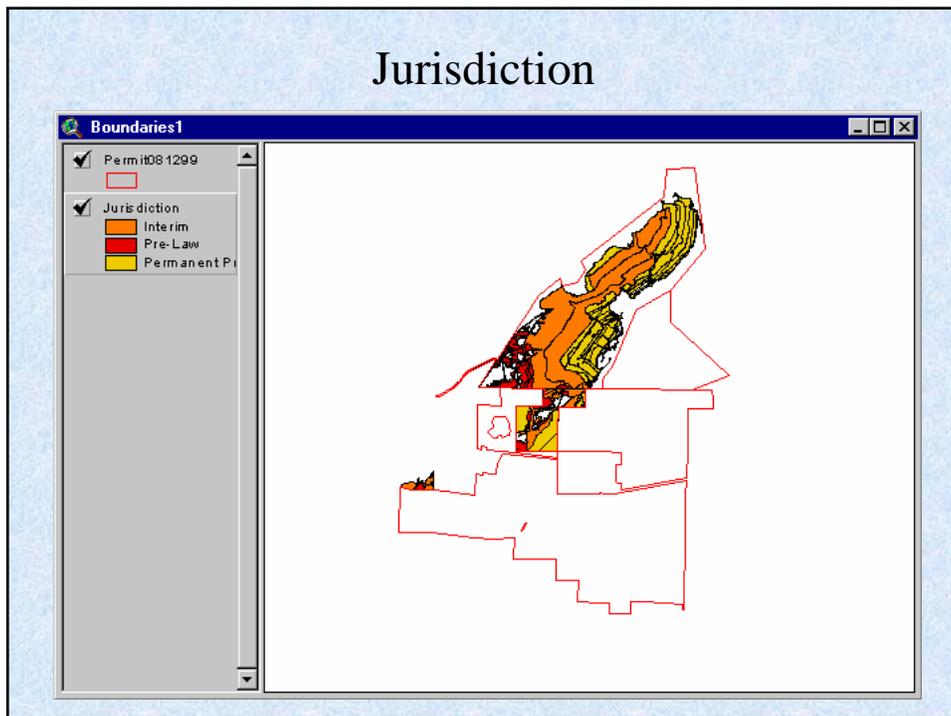
Surface Ownership



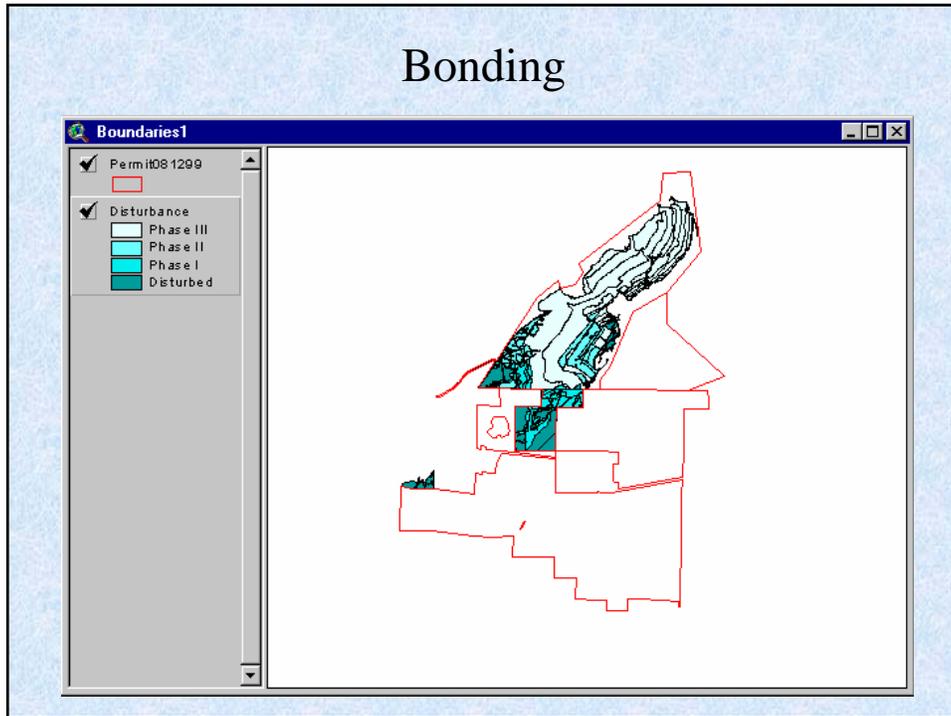
Coal Ownership



Jurisdiction

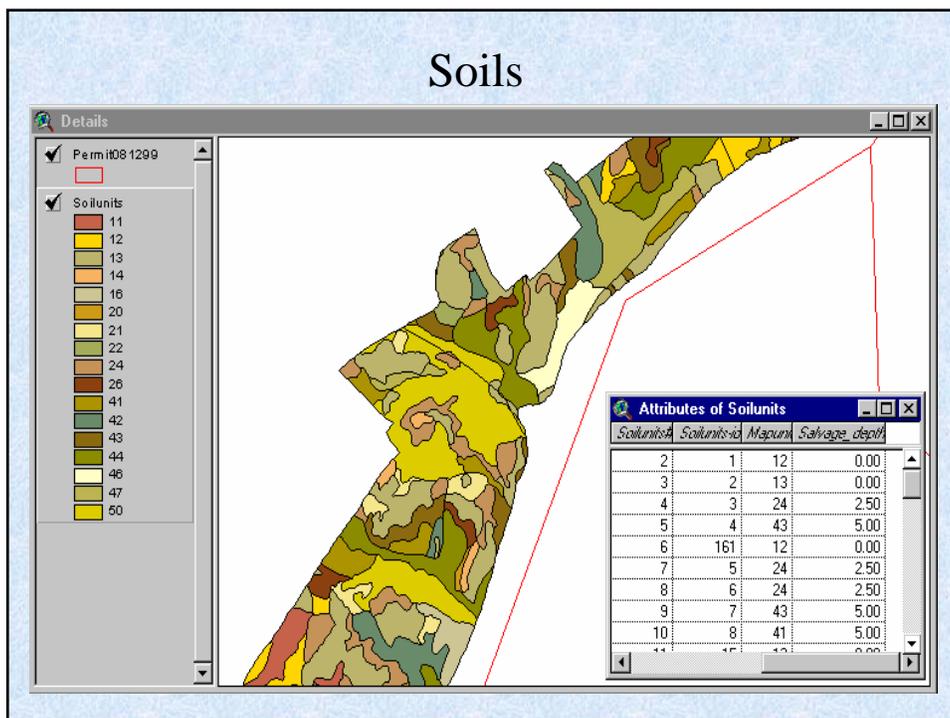
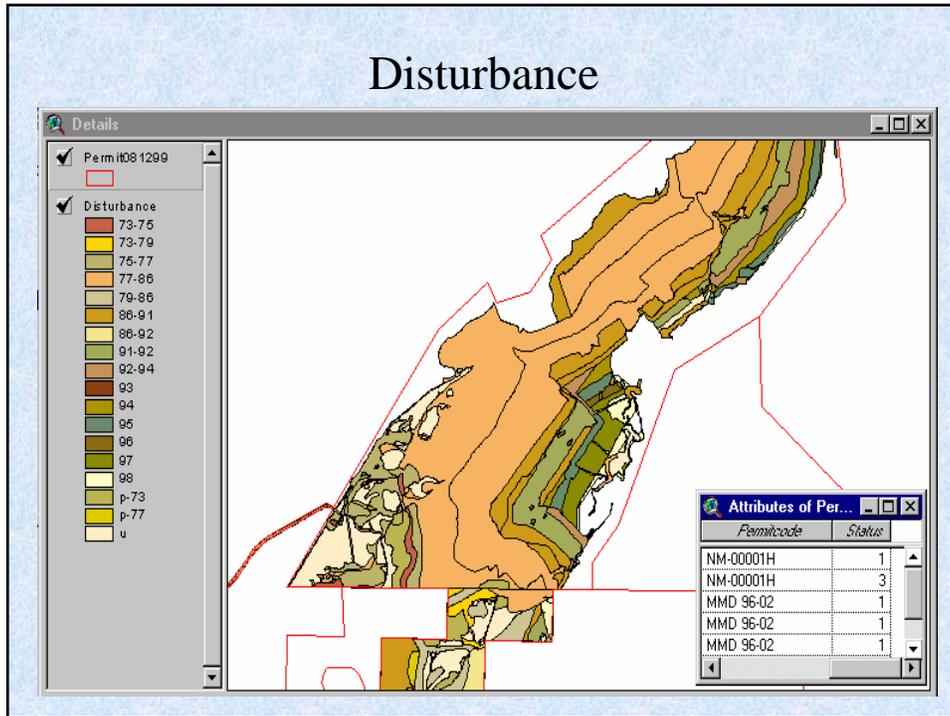


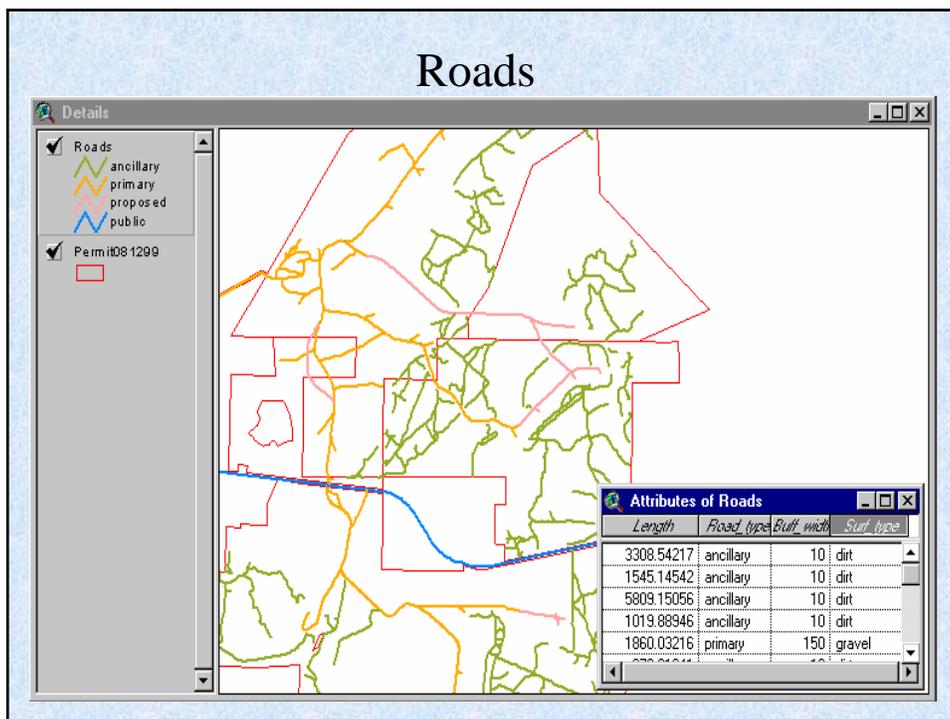
Bonding



Detailed Permit Information for Federal and Indian Mines

- Disturbance
- Soils
- Roads
- Vegetation
- Hydrology
- Others





Payoff

- Tracking GPRA goals
- Improved permit management
- Electronic permitting
- Immediate custom maps
- Central repository for mine information
- Develop staff GIS experience