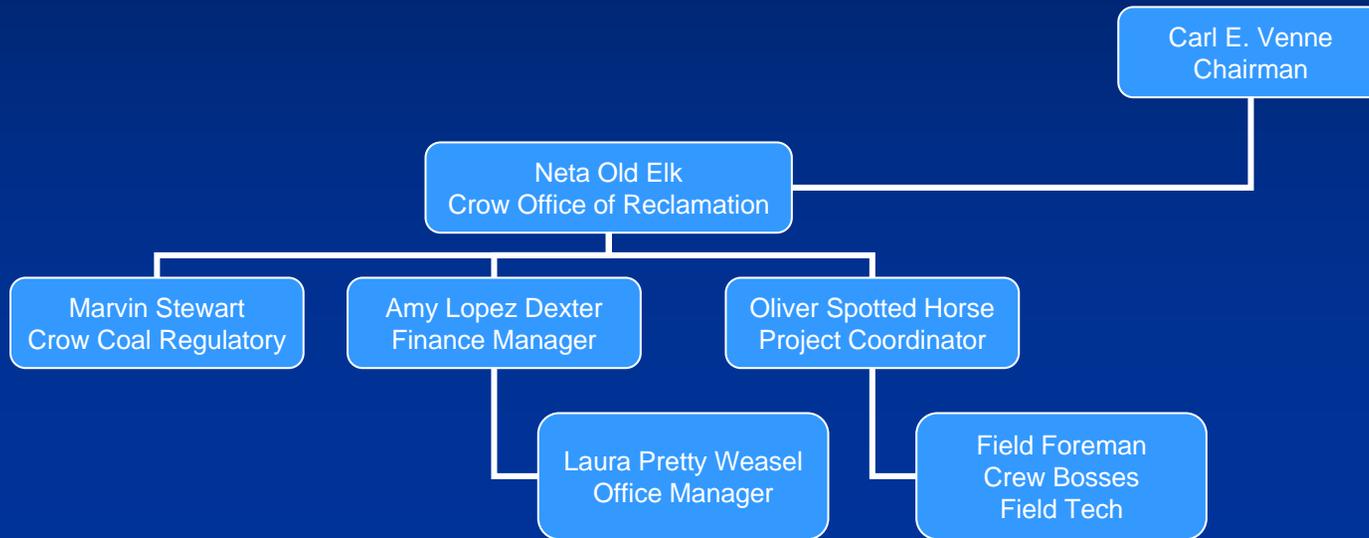


# Crow Office of Reclamation

Abandoned Mine Lands  
Program – Crow Tribe of Indians



# Crow Office of Reclamation Organizational Chart



# Crow Tribe

- Mineral Resources within the Crow Nation include: Coal, Coal Bed Methane, Shallow Sandstone Gas, Oil, Sand, Gravel, and Bentonite.



# Coal Mining

- Coal Mining has been on going since the early 1900's when coal was used primarily for domestic use.
- 1974 Negotiations began on the Apsolaaka Mine near Sarpy, MT on the Crow Tribes Ceded Strip
- 1977 Mining began and is ongoing today producing 5 to 7 Million tons a year



# Crow Office of Reclamation

- Established in 1980 by a Resolution of the Crow Tribal Council upon approval of the Crow Reclamation Code
- Separated from the Crow Tribes Centralized accounting in 1989
- All finance reconciliations, drawdowns, and bookkeeping are done in house by Finance Manager.
- In 2001 AML contract with HKM Engineering Cancelled
- All Environmental Assessments and proposals for projects are done in house by Crow Office of Reclamation staff.
- All Grant proposal both Title IV and Title V done in house by Crow Office of Reclamation Staff



# Crow AML

- Historic Mining activities have resulted in a legacy of abandoned mine sites scattered across the Crow Nation that must now be reclaimed for the protection of the public, livestock, wildlife, and the environment
- 1977, Congress passed SMCRA to regulate the Coal Industry and set up AML reclamation fund.



# Historic Past Mining



# New Prospects - Value Engineering Assessments

- Specific Mine Features, Site Dangers, Conditions
- Photographs
- Site locations (maps, GPS)
- Area of impact (acres)
- Access and routes
- Proposed reclamation alternatives



# Proposed AML Projects

- Value Engineering
- Archeological Surveys (contracted)
- Wildlife and Veg Surveys (contracted)
- Environmental Assessment
- Technical specification and Maps
- Reclamation plans
- GIS/GPS and Aerial photographs



# 2003 Construction Season

- Corral Creek – Priority one
- Goestogether Mine Site – Davies Creek – Priority 3
- Big Man 2 – Davies Creek – Priority 3
- Takes A Horse – Davies Creek – Priority 3



# Corral Creek Mine Site

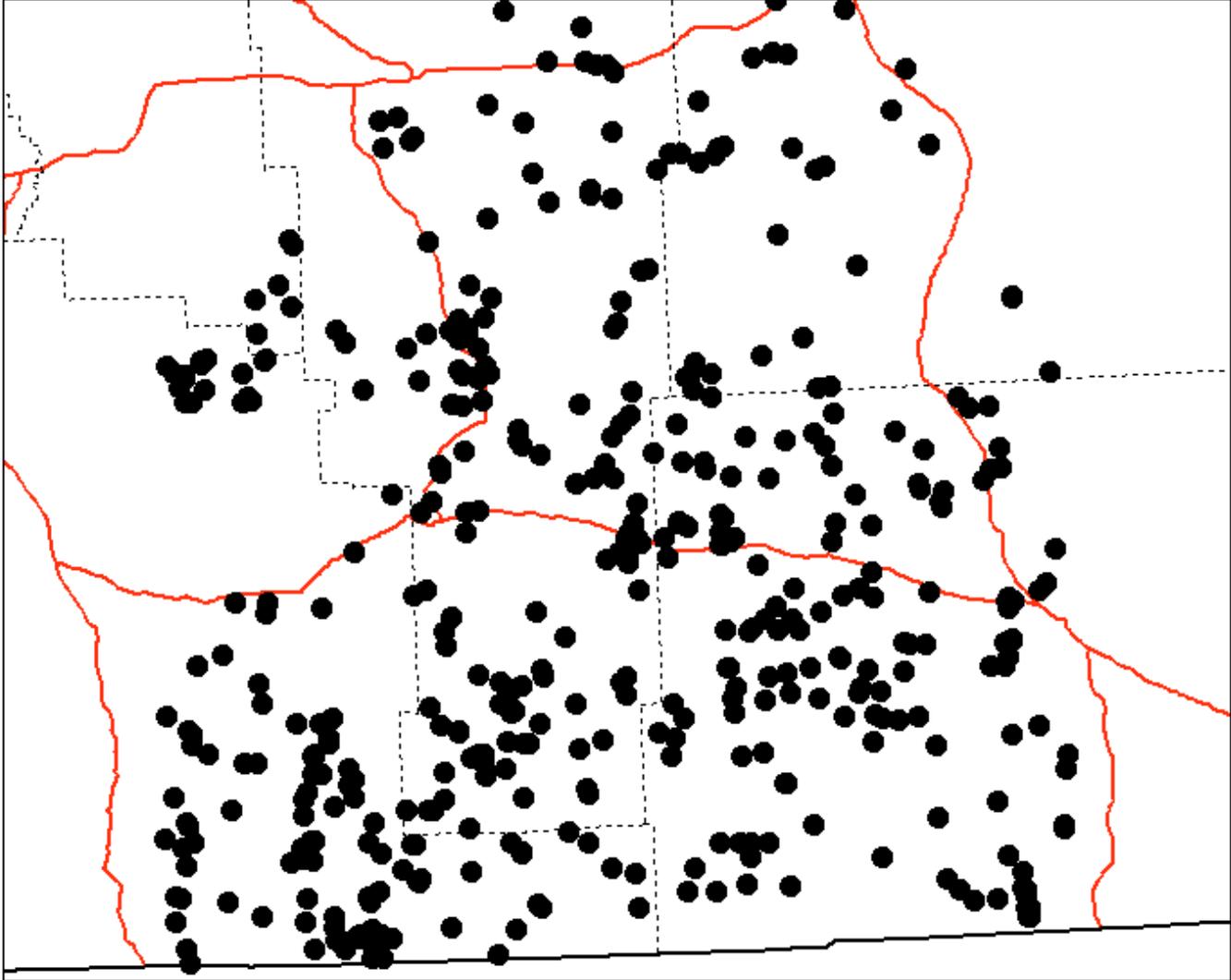


# 2004 Construction Season

- Matt Mine – Priority 3
- Larance Mine – Priority 3
- Continue Correl Creek – Priority 1
- Stops Mine – Priority 3



**Powder River Coal Region, Montana  
Abandoned Mine Locations**



# TIPS Training and Utilization

- All sites located using GPS – Geo Explorer 3
- All maps are produced using TIPS software – Arc GIS, Arc Map, Pathfinder
- All training was provided by TIPS



# Projects for 2005





# Erosion Control



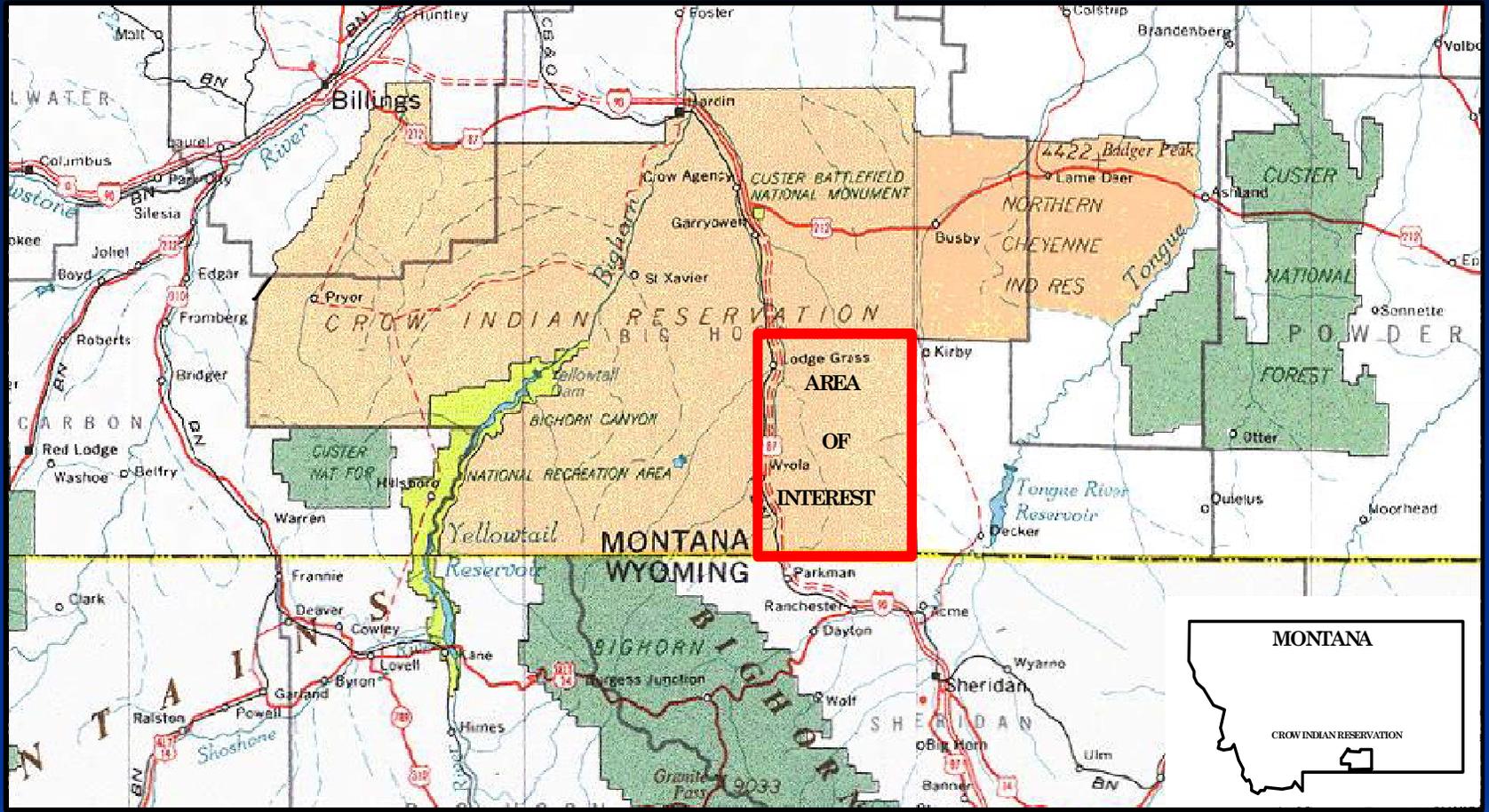
# Future Project – Garvin Basin



# Land Utilization



- Public – residence, livestock, grazing
- Recreation – hunting, skiing, wildlife watching



# Work Continues



# Creating Partnerships

- Crow Navajo partnership for clean up of Garvin Basin, Uranium Exploration Clean-up
- Westmoreland Resources, Clean up of the drill hole exploration site on the South Expansion
- TIPS training and software - daily



# Crow Office of Reclamation Staff

