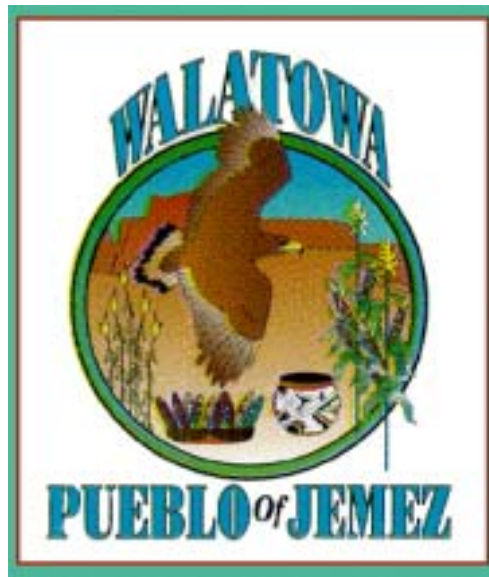


Renewable Tribal Energy Program

October 1, 2002

Denver, Colorado



Pueblo of Jemez
Office of the Governor
PO Box 100
Jemez Pueblo, NM 87024
(505) 834-7359

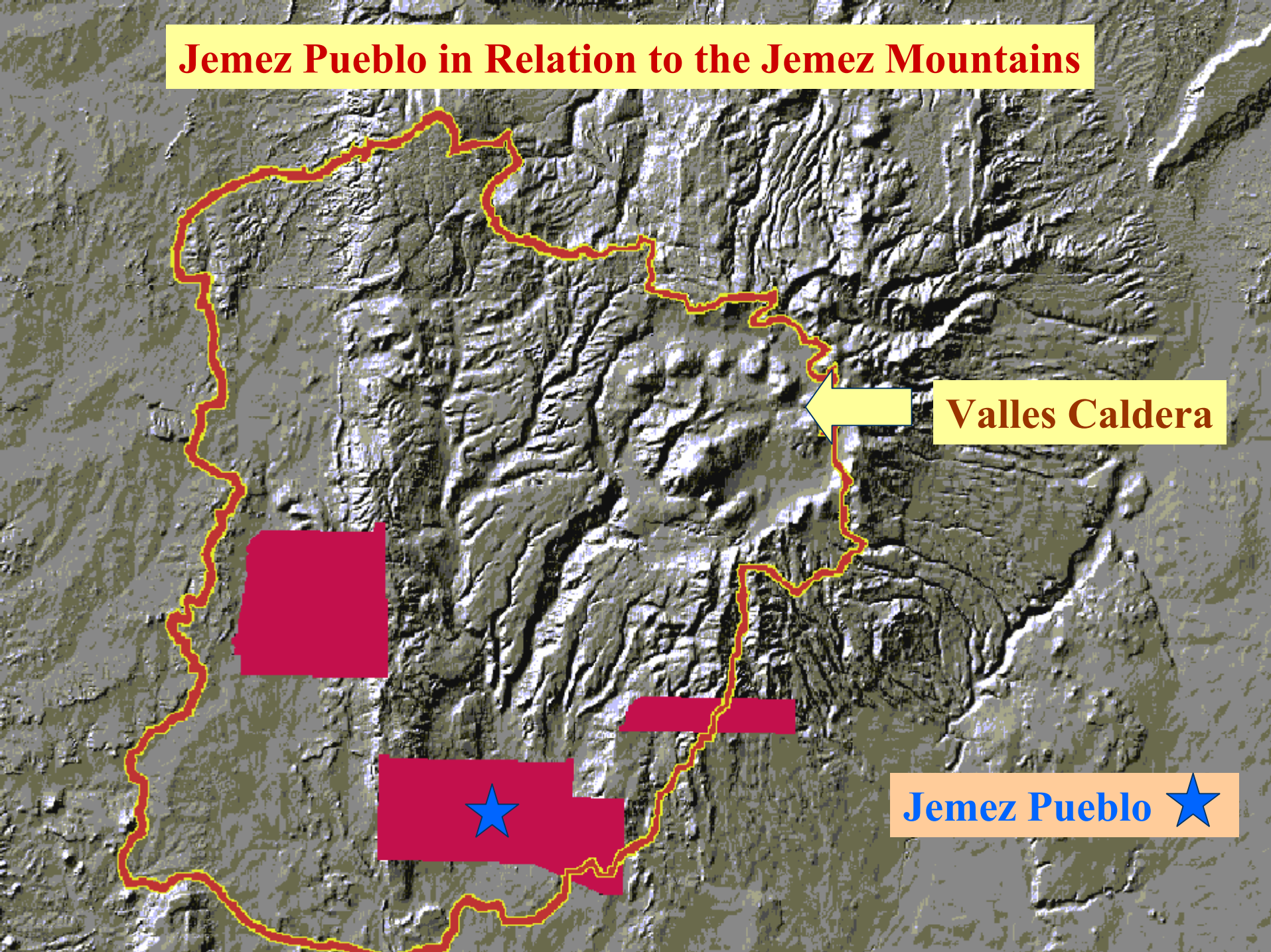
Pueblo of Jemez Geothermal Resources



BACKGROUND

- Jemez Pueblo Tribal Trust Lands located at SW foothills of the Jemez Mountains
- Jemez Mountains are volcanic in origin
- Geologic fault systems connected to geothermal springs and reservoirs
 - Jemez Fault, Nacimiento,

Jemez Pueblo in Relation to the Jemez Mountains



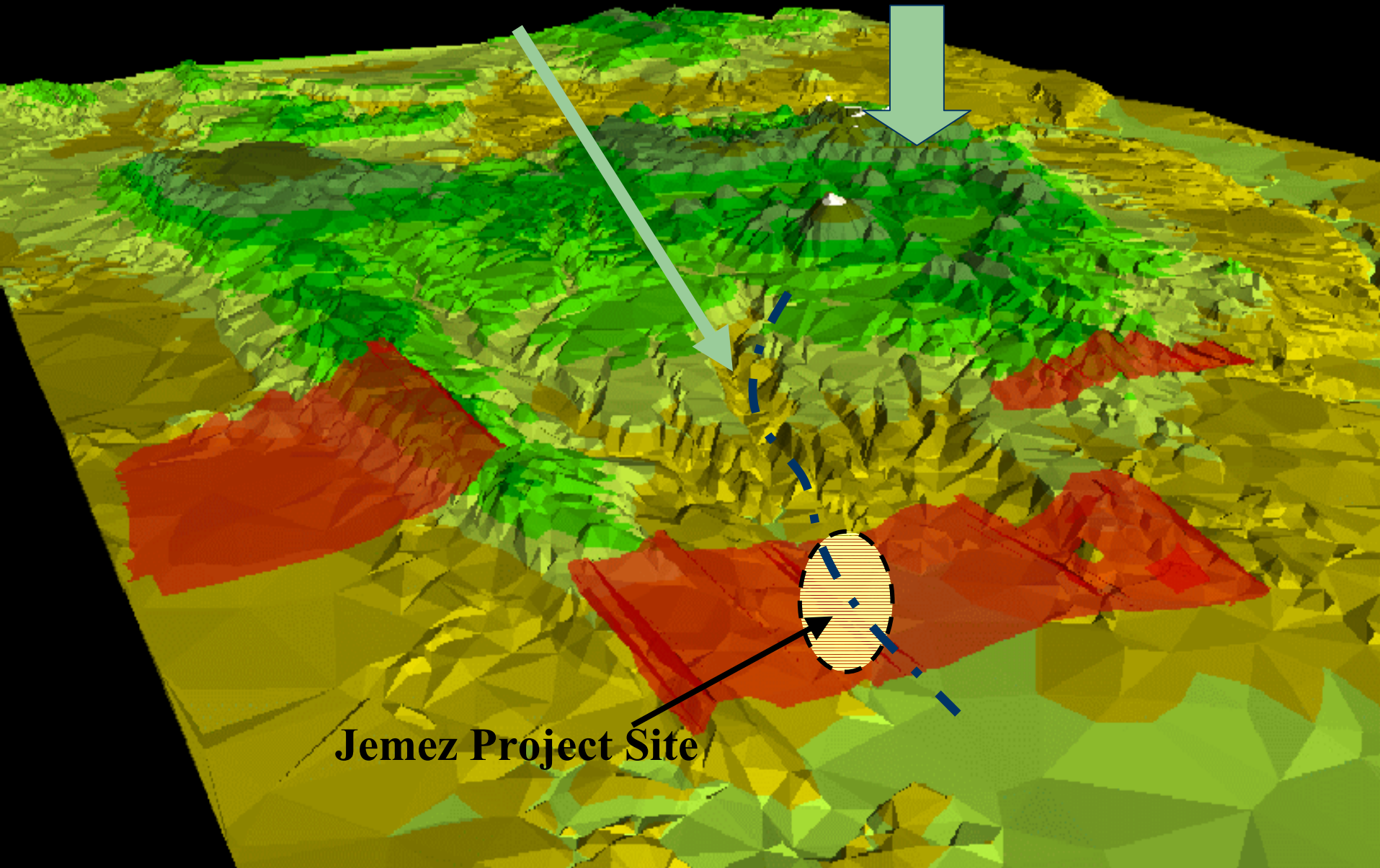
Valles Caldera

Jemez Pueblo ★

Jemez Fault

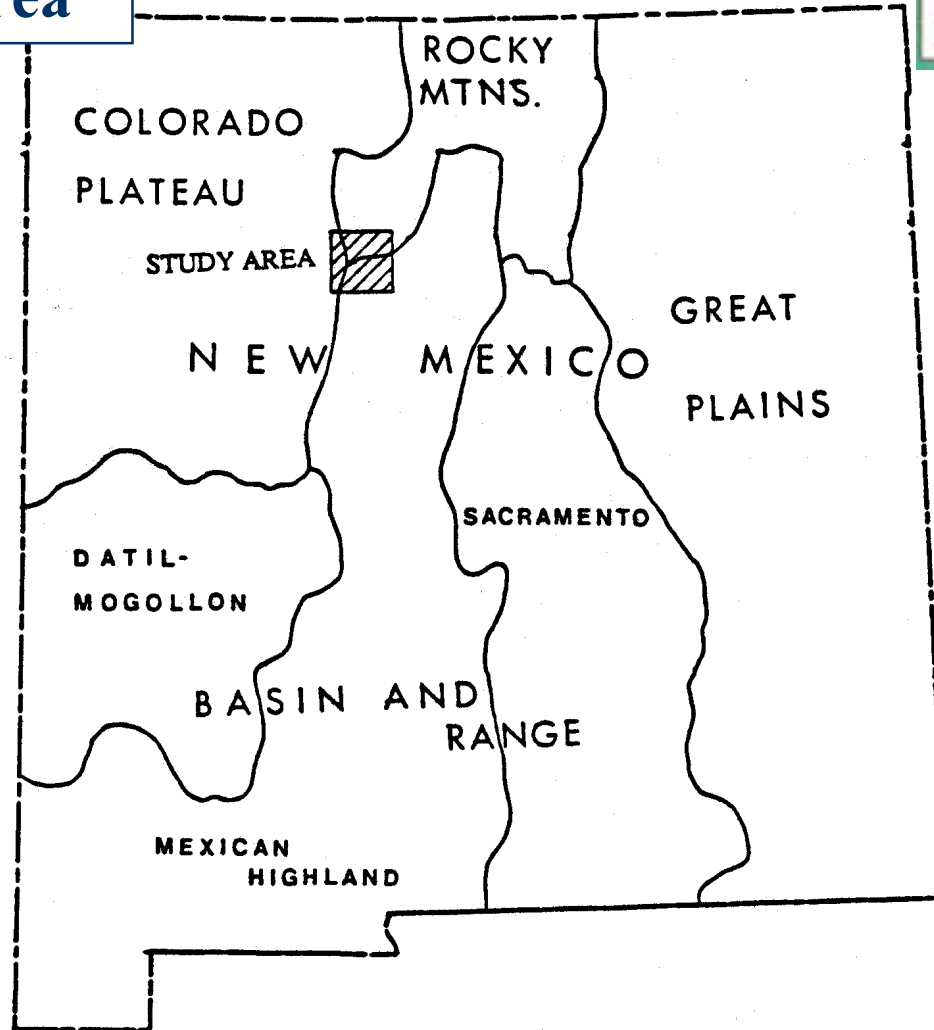
Valles Caldera

Jemez Project Site

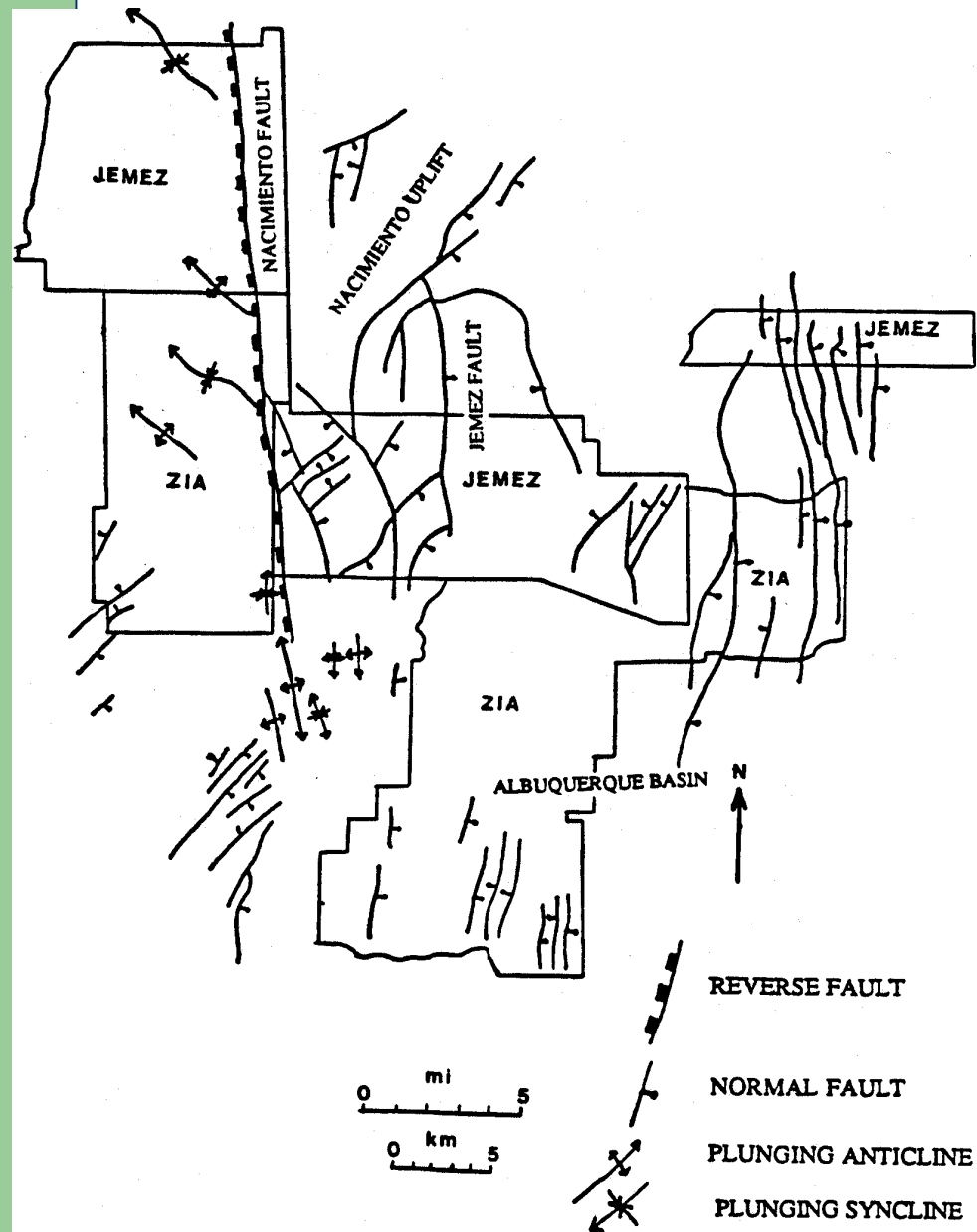
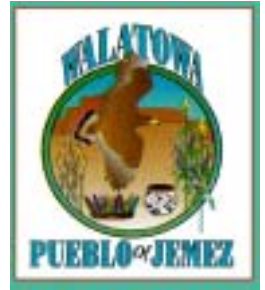


Pueblo of Jemez

Geothermal Study Area



Tectonic Map of the Jemez Pueblo Region



Jemez Geothermal Resources

“What We Currently Know”



- Indian Springs
 - Artesian spring
 - Jemez Fault
 - 51-78°C (124-172°F)
 - 150 gpm
 - 240 ft. well: 1991 Installed
- NMSU Feasibility Study 1992

2002 Jemez Geothermal Assessment & Feasibility Study



Project Objectives

The focus of this proposal is to evaluate the business opportunity to develop low-temperature geothermal resources on Jemez Pueblo. Specific objectives are as follows:

- **Resource Assessment:** Consolidate prior geothermal exploration efforts, conduct additional assessment activities and identify site of production and disposal wells
- **Business Assessment:** Assess specific business opportunities that utilize low-temperature geothermal resources as a catalyst including commercial greenhouses, aquaculture, spa and a kiln for wood drying.
- **Develop Business Plan:** Produce a comprehensive business plan for Jemez Pueblo to present to public and private investors.
- **Outreach:** Conduct and document site visits to well-established geothermal commercial facilities within New Mexico and the southwest.
- **Education:** Educate Jemez tribal leaders and decision makers about the costs and benefits of geothermal resource development.



Technical Project Partners

- Resource Assessment Activities
 - New Mexico State University: Jim Witcher
- Business Plan Development
 - McNeil Technologies: Jack Whittier
- Miscellaneous Technical Assistance
 - Sandia National Laboratory: Roger Hill
 - MOU Development in Progress: Lawrence Brown

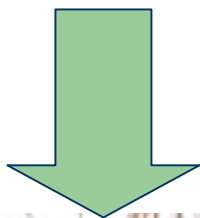
Alex Masson Greenhouse

Radium Springs, NM



Burgett Geothermal Greenhouses

Anima, NM



**AmeriCulture
Tilapia Aquaculture
Animas, NM**



NMSU Incubator Greenhouse
USFW Rio Grande
Silvery Minnow Project





Pueblo of Jemez Contacts

- **Office of the Governor**

- Governor Paul Tosa: (505) 834-7359
- 1st Lt. Governor Benny Shendo Jr.
- 2nd Lt. Governor Warren Casiquito

- **Tribal Administration**

- Vincent Toya: Tribal Administrator
 - (505) 834-7696 or vtoya@jemezpueblo.org

- **Department of Resource Protection**

- Mehrdad Khatibi: mkhaitib@jemezpueblo-drp.org

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