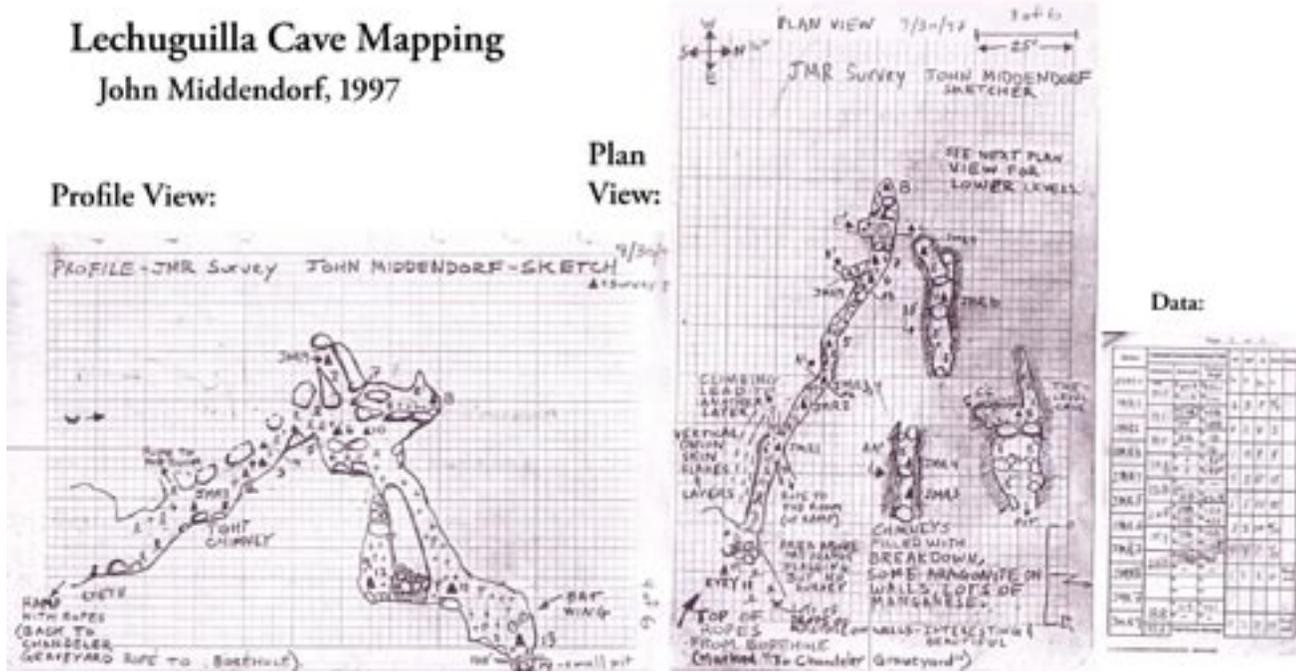


Mapping, GPS, and GIS

Additional work by John Middendorf

Cave Mapping: During seven day underground expeditions in Lechuguilla Cave in New Mexico, because of my attention to detail I was chosen to be the “sketcher” for the mapping of the cave. From the Carlsbad Cavern National Park literature: “The sketcher is the most important person on the survey and has the most responsibilities” and goes on to discuss the responsibilities of the sketcher as to the accuracy and completeness of the survey. Below are samples of my work underground:



Roxy Paine Project

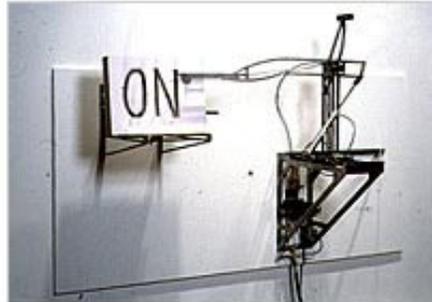
My brother, a well known artist in New York City, asked me to help him with an early project using GPS. I performed all the technical work with a donated GPS unit. The project was entitled, "Where I'm At", and linked the mobile GPS unit to a cell phone which called in periodically and mapped his position on a giant map of New York City. The translation of the GPS coordinates to xy data for the lazer pointer was quite complex and was programmed in Pascal.

Roxy Paine

April 29 – June 3, 1995



Placard Flinger, 1995
steel, pneumatics, cardboard, ink
48 x 60 x 24 inches



Placard Flinger, 1995
(detail)



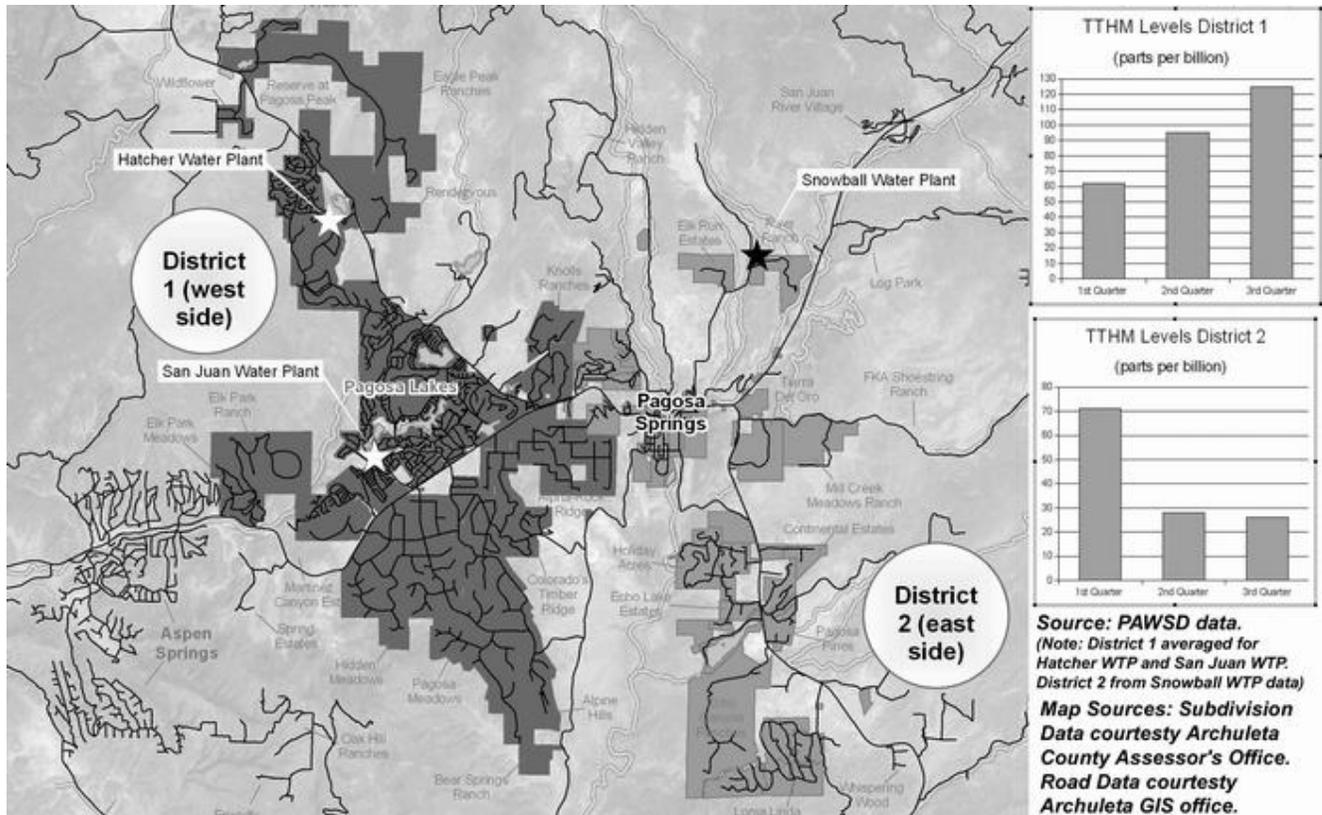
Plug-in Painting, 1995
linen, plastic, aluminum, with 39 moulded brushstrokes
120 x 72 x 4 inches



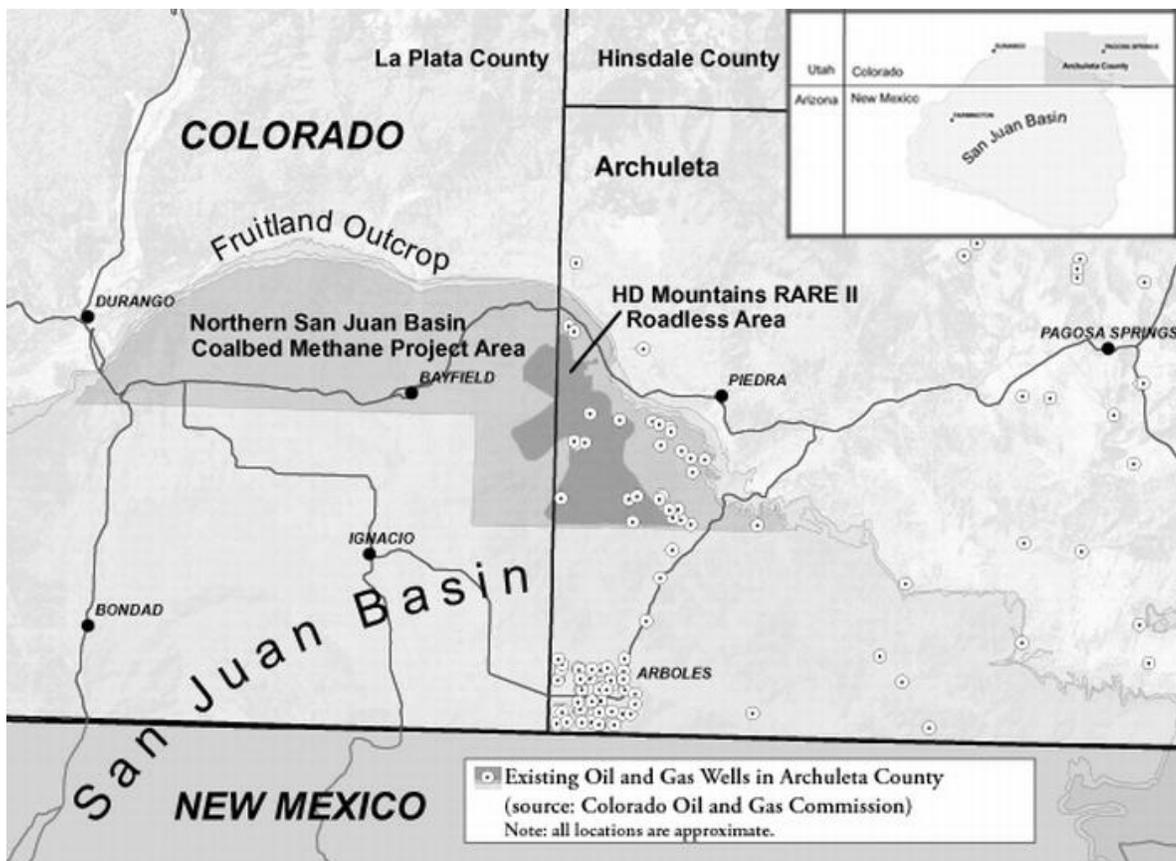
Where I'm At, 1993-95
black and white photograph, desk, computer with laser pointer,
GPS unit, cellular phone
photo: 96 x 96 inches
desk: 30 x 30 x 60 inches

Above Project: "Where I'm At" bottom right.

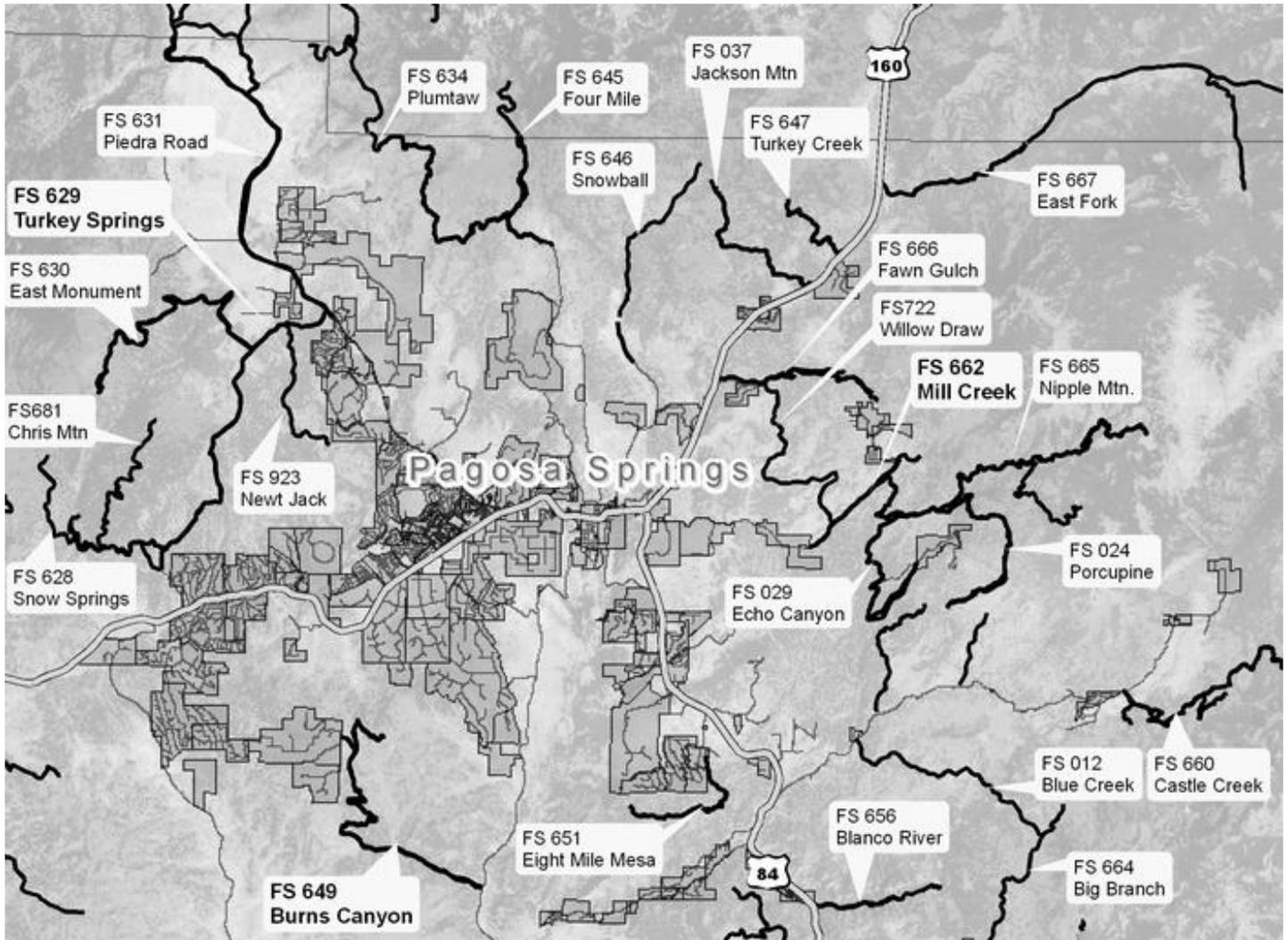
Selected Maps created for the Pagosa Sun Newspaper to illustrate articles:



Above: Water Map showing districts with unhealthy TTHM levels.



Above: Oil and Gas Locations in Archuleta County, Colorado



Above: A map showing local names for Forest Service Roads around Pagosa Springs, Colorado