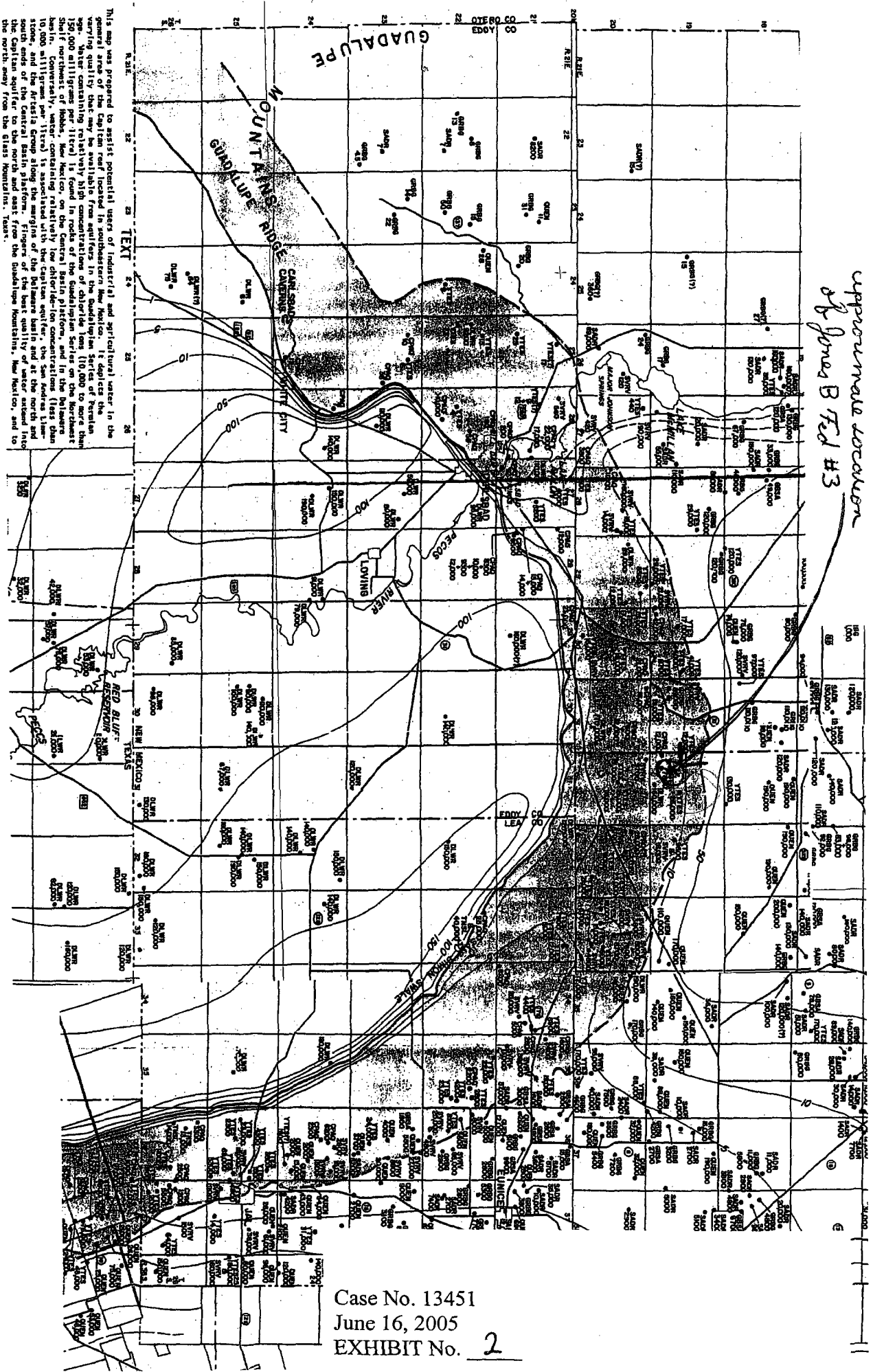


*upstream location
of Jones B Fed #3*



This map was prepared to assist potential users of industrial and agricultural water in the general area of the Capitan reef located in southeastern New Mexico. It depicts the varying quality that may be available from aquifers in the Guadalupe Series of Permian age. Water containing relatively high concentrations of chloride ions (10,000 to more than 150,000 milligrams per liter) is found in rocks of the Guadalupe Series on the northeast shelf northwest of Austin, Texas. The water is contained in relatively low chloride ion concentrations (less than 10,000 milligrams per liter) is associated with the Capitan aquifer, the San Antonio limestone, and the Arista Group along the margins of the Delaware basin and at the north and south ends of the Central Basin platform. Fingers of the best quality of water extend into the Capitan aquifer to the north and east from the Guadalupe Mountains, New Mexico, and to the north away from the Glass Mountains, Texas.