

QUARTERLY PROGRESS REPORT

REPUBLICAN RIVER BASIN MODELING PROJECT

JUNE 26, 1997

The Republican River Basin Modeling Project officially began April 28, 1997, when the Nebraska Environmental Trust Fund approved funding for the project. During the last two months the following activities have ,

- A four-year work plan has been produced which includes timelines for the initiation and completion of all major project activities.
- Discussions were conducted with the Central Regional Ground-Water Specialist to lay the ground-work for a conceptual ground-water model of the project area. The MODFLOW model was tentatively selected with the intent of running the model on a personal computer platform.
- A literature search has begun in which all pertinent reports and available data are being identified and reviewed and a temporary library of these documents is being established.
- The process of well selection for the purpose of ground-water sample collection has begun. Wells are being selected from the current list of registered wells for the State using a stratified random approach. Selected wells are then checked against well registration data to ensure that they meet basic USGS criteria before final selection is made.
- A Republican River Basin project coordination meeting was held on June 20 at the Nebraska Department of Water Resources office in Lincoln, Nebraska, in which Ann Bleed, Mike Thompson, Ed Harvey, and Doug Druliner attended. The purpose of the meeting was to compare work plans for the USGS project that is being funded by the Environmental Trust Fund and the C&SD project that is being funded by the Department of Water Resources. A number of complementary issues were identified for coordinated activities. It was decided that quarterly meetings will be held with the USGS and C&SD investigators throughout the life of the projects.