

VII PLANNING OBJECTIVES AND CONSTRAINTS

Alternatives to address a goal of *maximizing the economic, environmental and social benefits of water that is consumptively used in and from the study area* will be developed and analyzed. In doing so the following planning objectives will be considered:

- maximize irrigation benefits
- maximize benefits of keeping water in the lake
- maximize benefits of providing streamflow
- maximize the benefits of providing water for compact purposes

It is recognized that objectives would not be compatible if each was fully implemented. To that end the study will develop scenarios that illustrate alternative strategies for addressing the planning objectives and project goal. Scenarios that examine *recharge, lake-level maintenance* and *system efficiency options* will be included. Scenarios may also include elements that result in differing distribution of benefits and differing levels of addressing each planning objective. However, questions of equity and differing distribution of benefits would need to be dealt with after this study process in a separate multi-objective effort that could utilize the products of this study.

Planning constraints for the objective and scenarios include the following:

- Conform to the Final Settlement Stipulation and Proposed Consent Judgement
- Conform to the Republican River Compact, including subbasin allocations
- Conform to State and NRD regulations
- Conform to Integrated Management Plans developed by the Upper and Middle Republican Natural Resource Districts