

Facilitate conjunctive administration

Conjunctive administration is the combined administration by priority date of water rights for the use of groundwater and surface water. Conjunctive administration recognizes that the use of water from one hydraulically connected resource affects water availability in the other resource.

Previous investigations established that the Boise River is hydraulically connected to the Treasure Valley aquifer system (see, for example, Newton (1991), Petrich and Urban (2004)). With the objective of developing a tool to facilitate conjunctive administration, the Treasure Valley groundwater flow model is being designed to simulate and quantify the effects on flow in the Boise River resulting from: (1) new groundwater withdrawals; (2) pumping curtailment by priority date; (3) groundwater point-of-diversion transfers; and (4) mitigation.