**Summary of Water Level Change and Land Subsidence**

**WATER-LEVEL CHANGE**

Since 1994, 3D strain analysis (3DS) has been used to monitor the McMLVl Valley basin, located in the Maricopa County, for its subsidence due to decreases in groundwater levels. This analysis has been repeated annually since 1994 to assess changes in land subsidence caused by the compaction of the subsurface. The analysis has revealed that land subsidence has increased from 1994 to 2004.

**LAND SUBSIDENCE**

Land subsidence is the result of the reduction in the volume of the subsurface due to the decrease in groundwater levels. The subsidence that occurred in the McMLVl Valley basin is due to the decrease in groundwater levels caused by the withdrawal of water from wells for agricultural and residential purposes.

**SELECTED REFERENCES**

