**Summary of Water Level Changes**

**Colombian area**

- The Columbian area typically has very little change in water levels between the shallower aquifers and the deeper formation (Owen et al., 1989). Of the 12 wells that were sampled from 1999 to 2009, 9 of the wells showed little or no change in water levels. When changes occurred in the water levels of the wells, it was typically due to a small amount of water used at between 2002 and 2003 (Sheet 2). A few wells also showed small increases in water levels that were slight and not significant.

**Late bottom area**

- The Late Bottom area showed variable water levels in many areas. Some of the water levels increased by a small amount, while others showed little or no change. The water levels in this area were influenced by the water withdrawal from the wells and the recharge from the surrounding area.

**Water level changes from 1999 to 2009**

- Between 1999 and 2009, the average water level change for all wells within the Late Bottom area was -1 ft. The majority of the wells in this area showed little or no change in water levels. Some of the wells showed small increases, while others showed little or no change.

**Camp Verde area**

- The majority of wells in the Camp Verde area are shallow and located within the alluvial deposits. The water levels in this area were influenced by the water withdrawal from the wells and the recharge from the surrounding area. The average water level change for all wells within the Camp Verde area was -1 ft. The majority of the wells in this area showed little or no change in water levels. Some of the wells showed small increases, while others showed little or no change.

**Wet Beaver Creek**

- The majority of wells in the Wet Beaver Creek area showed moderate to large decreases in water levels from 1999 to 2009. The average water level change for all wells within the Wet Beaver Creek area was -5 ft. The majority of the wells in this area showed moderate to large decreases in water levels. Some of the wells showed small increases, while others showed little or no change.

**Conclusions**

- Water level data are available for the Verde Valley sub-basin prior to 1999. However, available data show significant overall water level declines in the Cottonwood area and moderate to large declines in the Sedona area. The majority of the remaining areas within the sub-basin showed variable changes in water levels. Some areas showed little or no change, while others showed small increases or decreases.
Water Level Changes 1999 - 2004

Water Level Change Color Categories (Feet)

- Water Level rises
  - 3 to 10
  - More than 10
- Water Level falls
  - 3 to 10
  - More than 10
- Water Level unchanged (\(\pm 2\) feet)
  - \(\pm 2\)

Explanation
- Well in which depth to water was measured for both years
- Data obtained from ADWR. Thirty observations are in each category of color: including those with remarks, i.e. pumping.
- The anomaly code is used to indicate if ADWR interpretations do not correlate to the GIS layers. The anomaly code identifies it in the map legend as a transparent, triangle filled with green.
- Water with hydrograph shown on sheet 3:
  - It shows the last recorded water level change between 1999 and 2009.
  - Some wells were not measured in 2009 or 2004, so no color (transparent) were not included on the water level map in 2009.

Land Surface Elevation

Feed Above Mean Sea Level (feet)

- Low: 2,985
- High: 5,000

Note: Water Level Change Map Series (WLCMS) reports typically include a map and a general overview of water levels and groundwater conditions within a basin. These reports are prepared by the Hydrology Division of the Arizona Department of Water Resources. For more information or copies contact ADWR Information Services 3510 North Central Avenue Phoenix, AZ 85012 (602) 771-8427 www.azwater.gov