Water Level Changes in Big Chino Sub-basin, Arizona

Between 1999 and 2004, 29 wells showed water level declines of 2 feet or less. The water levels in these wells were 2 feet below the bottom of the irrigation wells in 2004. The water levels in these wells declined an average of 1.1 feet between 1999 and 2004. The water levels in these wells declined an average of 1.1 feet between 1999 and 2004.

Between 2004 and 2009, 40 wells showed water level declines of 2 feet or less. The water levels in these wells were 2 feet below the bottom of the irrigation wells in 2004. The water levels in these wells declined an average of 1.1 feet between 1999 and 2004. The water levels in these wells declined an average of 1.1 feet between 1999 and 2004.

Between 1999 and 2009, 89 wells showed water level declines of 2 feet or less. The water levels in these wells were 2 feet below the bottom of the irrigation wells in 2004. The water levels in these wells declined an average of 1.1 feet between 1999 and 2004. The water levels in these wells declined an average of 1.1 feet between 1999 and 2004.

In the Lower Chino area, the water levels in 20 wells showed water level declines of 2 feet or less. The water levels in these wells were 2 feet below the bottom of the irrigation wells in 2004. The water levels in these wells declined an average of 1.1 feet between 1999 and 2004. The water levels in these wells declined an average of 1.1 feet between 1999 and 2004.

In the Upper Big Chino area, the water levels in 20 wells showed water level declines of 2 feet or less. The water levels in these wells were 2 feet below the bottom of the irrigation wells in 2004. The water levels in these wells declined an average of 1.1 feet between 1999 and 2004. The water levels in these wells declined an average of 1.1 feet between 1999 and 2004.

In the Lower Big Chino area, the water levels in 20 wells showed water level declines of 2 feet or less. The water levels in these wells were 2 feet below the bottom of the irrigation wells in 2004. The water levels in these wells declined an average of 1.1 feet between 1999 and 2004. The water levels in these wells declined an average of 1.1 feet between 1999 and 2004.

In the Upper Big Chino area, the water levels in 20 wells showed water level declines of 2 feet or less. The water levels in these wells were 2 feet below the bottom of the irrigation wells in 2004. The water levels in these wells declined an average of 1.1 feet between 1999 and 2004. The water levels in these wells declined an average of 1.1 feet between 1999 and 2004.

Water Level Change Color Categories (feet)

Water Level Decline

-3 to -10

11 to 20

More than 20

Water Level Rise

3 to 10

20 to 40

More than 20

Water Level Unchanged

-2 to -10

10 to 20

More than 20

Explanation

City
County Line
 Township and Range Boundaries
 Sub-basin Boundary
 Extractions Area of Plays
 Highway
集成电路
 Approximate Extent of the Principal Aufer in the Extractions Area of Plays

USGS Stream Gauge

Well in which depth to water was measured in 1999 and 2004

Water level changes in the upper basin from 1999 to 2004 and the lower basin from 1999 to 2004.

Borehole without water in 1999 and 2004

Land Surface Elevation

feet above mean sea level (meters)

Low: 4,118
High: 8,854

For more information or copies contact:

Arizonas Water Resources Field Office

1520 North Central Avenue
Phoenix, AZ 85004

(602) 771-8627

arizona.gov/water
**WATER LEVEL CHANGES**

**1999 - 2004**

**WATER LEVEL CHANGES**

**2004 - 2009**

**ARIZONA GROUNDWATER BASINS AND SUB-BASINS**

**BIG CHINO SUB-BASIN**

**Explanation**

- **City**
- **County Line**
- **Sub-Basin Boundary**
- **Land Surface Elevation**
- **Water Level Rise**
- **Land Surface Elevation**
- **Well in which depth to water was measured for both years**
- **Well in which depth to water was measured for both years, and the letter (G) corresponds to the hydrograph shown on sheet 3.**

**Water Level Change Color Categories (feet)**

<table>
<thead>
<tr>
<th>Water Level Decline</th>
<th>Water Level Rise</th>
</tr>
</thead>
<tbody>
<tr>
<td>-3 to -10</td>
<td>-11 to -20</td>
</tr>
<tr>
<td>-11 to -20</td>
<td>11 to 20</td>
</tr>
<tr>
<td>More Than 20</td>
<td>More Than 20</td>
</tr>
</tbody>
</table>

**Water Level Unchanged (+/- 2 feet)**

**ARIZONA DEPARTMENT OF WATER RESOURCES**

**HYDROLOGY DIVISION**

**WATER LEVEL CHANGES IN BIG CHINO SUB-BASIN, ARIZONA**

**1999 - 2009**

By

Stephen Flora, Teri Davis, and Frank Corkhill

September 2009
Table 1 - Depth to Water (DTW), Water Level Elevation (WLE), and Water Level Change (in feet) for wells located in the Big Chino Sub-Basin measured in 1999, 2004, and 2009.