

## Appendix A

### Groundwater Trends in Wells in the Azraq Groundwater Basin

This appendix includes trend graphs for wells in Azraq groundwater basin. Comments on water-level trends, forecasts of saturated aquifer thickness, and trends in electrical conductivity (EC) accompany graphs of data for selected wells. All data were provided by Ministry of Water and Irrigation, Jordan. Click on a well ID to display the corresponding graph.

#### Water Level Trends and Forecasts

Locations of all wells with water-level data in the Azraq groundwater basin used for this study are shown on figure 13 in the report. Groundwater-level trends and forecast saturated aquifer thickness at each well are listed in table 1 in the report. The thin black line on each figure is the long-term trend determined by linear regression. Where present, the thicker orange line is the linear trend in 2010, determined graphically, and extrapolated to forecast the depth to water and saturated thickness in 2030.

<i>F 1002</i>	<i>F 1126</i>	<i>F 1334</i>
<i>F 1014</i>	<i>F 1145</i>	<i>F 3222</i>
<i>F 1022</i>	<i>F 1162</i>	<i>F 3755</i>
<i>F 1042</i>	<i>F 1280</i>	<i>F 3979</i>
<i>F 1043</i>	<i>F 1284</i>	<i>F 3989</i>
<i>F 1060</i>	<i>F 1286</i>	<i>F 4120</i>
<i>F 1063</i>	<i>F 1308</i>	<i>F 4233</i>

#### Electrical Conductivity Trends

Locations of all wells with EC data in the Azraq groundwater basin used for this study are shown on figures 15 and 16 and EC trends are listed in table 2 in the report. The thin black line on each figure is the long-term trend determined by linear regression.

<i>F 1002</i>	<i>F 1059</i>	<i>F 3343</i>
<i>F 1008</i>	<i>F 1063</i>	<i>F 3757</i>
<i>F 1028</i>	<i>F 1145</i>	<i>F 3935</i>
<i>F 1029</i>	<i>F 1175</i>	<i>F 3936</i>
<i>F 1031</i>	<i>F 1348</i>	
<i>F 1033</i>	<i>F 1348, F 3579,</i>	
<i>F 1034</i>	<i>F 3756, F 3758,</i>	
<i>F 1040</i>	<i>and F 3759</i>	
<i>F 1042</i>	<i>F 3277</i>	