

AL1043 – Central part of Zarqa groundwater basin

Well AL1043 “TW15 / N. DHULEIL (PP 160)” in the central part of Zarqa basin is the well with the steepest current decline in groundwater level, -4.2 m/yr. This rate of decline is steeper than the rate of decline before 2007, perhaps reflecting increased pumping in the area. Margane and others (2009) estimated trends of -0.55 m/yr and -0.85 m/yr for the periods 1968-1981 and 1988-2006, respectively. The groundwater level is currently above the top of the A7 aquifer, but the saturated thickness is forecast to decline to 62 percent of the total aquifer thickness at this location in 2030. Groundwater data is available for this location since 1968, with only minor gaps, reflecting an effective long-term groundwater monitoring program in this area.

