

## F 1028 – AWSA wellfield

Well F 1028 “AWSA 1” in the AWSA wellfield has a linear fit trend of  $+45 \mu\text{S}/\text{cm}/\text{yr}$ , with a high  $R^2$  of 0.93. The peak EC occurred in 2003, followed by a decrease until 2004, and a subsequent increase until 2006, the last date in the database for this important monitoring well. This example shows a record with adequate data to identify trends. Changing trends during the period of record are also apparent. These shorter duration trends may be related to changes in recharge and/or pumping. El-Naqa and others (2007) examined other constituents and isotope ratios to identify the source of salinity at F 1028 as upward flow from lower-permeability carbonate rocks, and dissolution of matrix salts from those rocks.

