

Water-level fluctuations in the West Crane aquifer depend on location, whether the well is in an upland area or in a tributary valley, and proximity to irrigation pumping. The hydrographs on this plate are labeled from (A) to (J) traversing the profile from south to north, with an asterisk and GWIC ID locating the approximate stratigraphic position of the well screen. The stratigraphic position and well labels are also color-coded to match the trace on the hydrograph.

Wells with high barometric efficiencies respond to barometric changes with relatively minor but high-frequency water-level fluctuations forming a wide line on the hydrographs. Fluctuations in these hydrographs reflect changes in storage in the aquifer. The storage changes include rising water levels caused by precipitation and snowmelt recharge events. Water-level declines indicate discharge events caused by pumping, surface and groundwater outflows, and evapotranspiration.

