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Depth-to-water level measurements indicate average annual decline of 0.91 of a foot within High Plains Water District service area. The annual depth-to-water level measurements have been collected from wells in the network of observation wells within the service area of the High Plains Underground Water Conservation District No. 1. Collection of these data began in the first week of 2007 and continued from that time to near the end of March. Annual extended periods of well freezing conditions during the winter months and extended periods of drought and extended periods of heavy rains have all had an impact on the data. The network of wells has many different types of wells, but all have similar characteristics that created challenges to measurement progress. Measurement evaluation has indicated a district average decline of 0.91 of a foot during 2006. The previous average decline of 0.54 of a foot during 2005 was a pleasant surprise, although a district average annual decline of less than one foot should probably also be considered as a reasonable year.

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