

Community Information

Public Notice

The Department of Water Resources has invited agencies to submit proposals for groundwater management project grants from the Local Groundwater Assistance Fund, which was established by the Local Groundwater Management Assistance act of 2000 (AB303, Stats. Of 2000, ch 708, §2; Water Code Section 10795 et seq.)

The Denair Community Services District is in the process of applying for the AB303 Grant to drill two monitoring wells and develop a hydro geologic model that addresses groundwater movement and quality in the alluvial sequence underlying the Denair Community Services District.

Denair Community Services District's best groundwater lies within a vertical interval that extends from about 200 feet to 400 feet beneath the ground surface. Groundwater quality that occurs at shallower depths is sometimes compromised by recharge from agricultural irrigation. Over pumping of deeper groundwater can result in degradation of water quality from upcoming of the saline / freshwater interface. DCSD's plight is having its fresh water resource trapped between these problem zones. To address its plight, DCSD began an active aquifer characterization program in 2001 with the drilling of a test well, subsurface interpretations of favorable aquifer sequences, and by creating formal guidelines for residential developers to use to construct DCSD-required test and monitoring wells. Due to inadequate funding, the DCSD's program is currently limited to residential developers' activities.

DCSD proposes to construct two cluster-monitoring (test) wells. Information from these two test wells, and other existing wells, will be used to support advancement of a hydro geologic model of the producing groundwater system and to monitor the quality of groundwater produced from the alluvial aquifer sequences underlying DCSD. This monitoring information will allow DCSD to produce from select wells and water-bearing sequences to meet peak demands without affecting groundwater quality during peak pumping periods. Understanding what controls groundwater movement together with monitoring and selective pumping are the best means to avoid the hydraulic conditions that will pull contaminants into DC SD's best groundwater.

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