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November 14, 2010

El Dorado County Planning Commission
c/o Development Services Department
2850 Fairlane Court, Building C
Placerville, CA 95667

RE: **Sundance Subdivision: Z07-0040 /TM07-1454/S09-0012**
Groundwater Impacts:

Gentlemen:

In the previous hearing and submittals, we pointed out a number of deficiencies with the water studies that were performed to analyze the impacts of the Sundance development. These included:

- The water supply study failed to include parcels beyond the boundaries of the subdivision
- The study did not look at drought years
- The groundwater analysis used storm rainfall probabilities to assess rainfall pattern even though historical records are available.
- The study did not quantify the groundwater storage in the area
- The groundwater study failed to obtain any records for exiting residents that are located around the proposed development or groundwater information on existing surrounding wells.

To help verify and quantify the development's impacts on groundwater, we have performed the enclosed engineering study that updates the previous work by using actual rainfall and soils information particular to the Sundance area and including surrounding properties within the analysis.

This report concludes the annual recharge of the fractured rock foundation varies significantly year to year. A long term average recharge may not properly exhibit significant periods of low annual recharge that exist and can lead to a critical over-estimation of available groundwater supplies, especially for areas where groundwater storage cannot be quantified. For some 4-year periods of historical conditions there is not enough recharge from rain falling on the area to support the annual water needs of Sundance and the surrounding properties at build out.

Thank you for your consideration. As always, you can reach me by e-mail or contact me at (530) 823-7079 if you have questions or if I can clarify any details

Sincerely,



Bill Bennett

Enclosures

