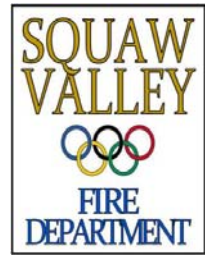




SQUAW VALLEY PUBLIC SERVICE DISTRICT



Olympic Valley Creek / Aquifer Interaction Study

DATE: October 31, 2017

TO: District Board of Directors

FROM: Mike Geary, General Manager

SUBJECT: Olympic Valley Creek / Aquifer Interaction Study – Repeat Presentation

BACKGROUND: The Squaw Creek / Aquifer Interaction Study was commissioned to gain a better understanding of the impacts of domestic water well pumping on shallow groundwater adjacent to Squaw Creek so current pumping can be managed and well field improvements planned with the best available information to minimize impacts on Squaw Creek. The project's specific goals were to:

- Improve and quantify our understanding of interactions between Squaw Creek and the valley's aquifer;
- Diminish groundwater pumping impacts on Squaw Creek and the Truckee River; and to
- Increase groundwater storage in Olympic Valley.

The PSD's work on the Interaction Study started in 2007, was prepared in two phases and completed by HydroMetrics Water Resources, Inc.:

- Phase I was completed in March, 2011 with grant funds in the amount of almost \$223,520, provided by the CA Dept. of Water Resources.
- Phase II of the Study was completed in November 2014 with funds provided by Squaw Valley Real Estate in the amount of approximately \$187,729.

DISCUSSION: This study was presented to the Board in November 2013 and again in November 2014. The District was requested by staff of the Lahontan Regional Water Quality Control Board to present the results of the Olympic Valley Creek / Aquifer Interaction Study to its Board of Directors in South Shore at its *Groundwater-Surface Water Interaction Workshop* on November 15th.

Staff is using the District's October Regular Board Meeting as an opportunity to fine-tune the presentation and re-familiarize the Board of the Study's findings.

ALTERNATIVES: This is an informational item only; no action is requested by the Board.

FISCAL/RESOURCE IMPACTS: The total cost of the study was \$411,250 and has already been paid for. No costs were incurred in re-presenting this material to the District's Board of Directors or to the Lahontan Regional Water Quality Control Board.

RECOMMENDATION: This is an informational item only; no action is requested by the Board.

ATTACHMENTS: None.

DATE PREPARED: October 25, 2017