



State of Idaho

DEPARTMENT OF WATER RESOURCES

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BRAD LITTLE
Governor

GARY SPACKMAN
Director

July 7, 2020

Re: Aquifer Boundary and the Greenferry Water and Sewer Area

Dear Susan Anderson:

Thank you for contacting Idaho Department of Water Resources (IDWR) with your questions regarding the Spokane Valley-Rathdrum Prairie (SVRP) Aquifer and the hydrogeology of the Greenferry area adjacent to the Spokane River. I understand your home receives potable water from the Greenferry Water and Sewer District and that you are interested in learning if the Greenferry wells produce water from the SVRP Aquifer.

In Idaho, the SVRP Aquifer is composed of primarily sands and gravels related to the outburst flood from Glacial Lake Missoula. Wells logs on record for the Greenferry system show their wells are completed in sands and gravels. Well logs and a well location map are attached.

The location of the Greenferry wells are just south of the Spokane River which has been established as the southern extent of the SVRP Aquifer boundary as shown in the attached map. The current aquifer boundary, however, was established in the 1970's with limited hydrogeological data.

In 2005, the U.S. Geological Survey completed a detailed hydrogeological investigation of the SVRP Aquifer which included an update to the aquifer boundary. The 2005 USGS investigation extended the aquifer boundary to include areas south of the Spokane River, including the Greenferry wells. Additionally, IDWR is in the process of completing an updated investigation of the SVRP Aquifer boundary. This investigation also finds the Greenferry wells to be completed in the SVRP Aquifer. IDWR's unofficial SVRP Aquifer boundary has not been peer-reviewed. Both the USGS and IDWR aquifer boundary maps are attached.

Please contact me by phone or email with any further questions or needs.

Sincerely,

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