## PEACE RIVER REGIONAL DISTRICT GROUNDWATER BASELINE



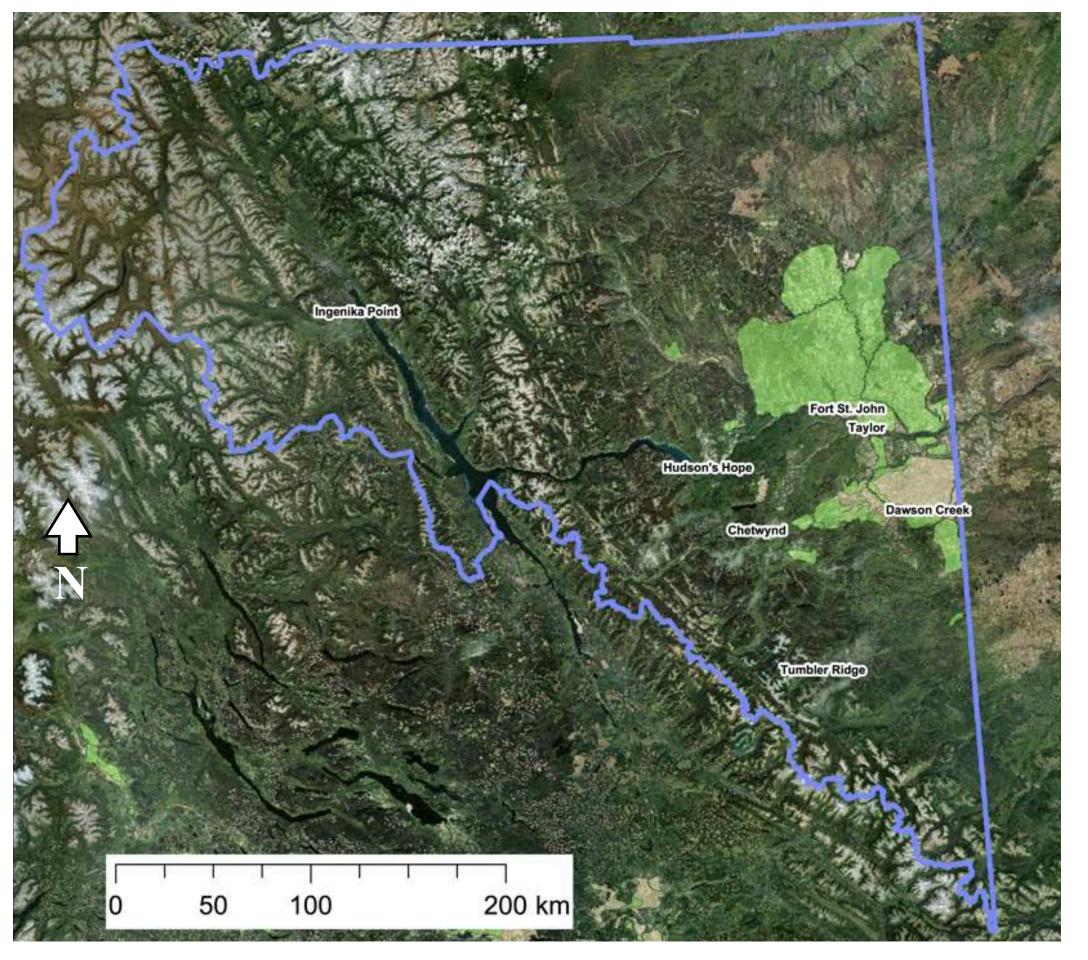
PRRD Team GW Solutions - Interraplan Peace River near Hudson's Hope

First Nations, thank you for having us on your land.

Chetwynd, May 2015

## Outline

- o Background
- o Approach
- o Preliminary Results



Aquifer Map (DataBC, Feb 2014)

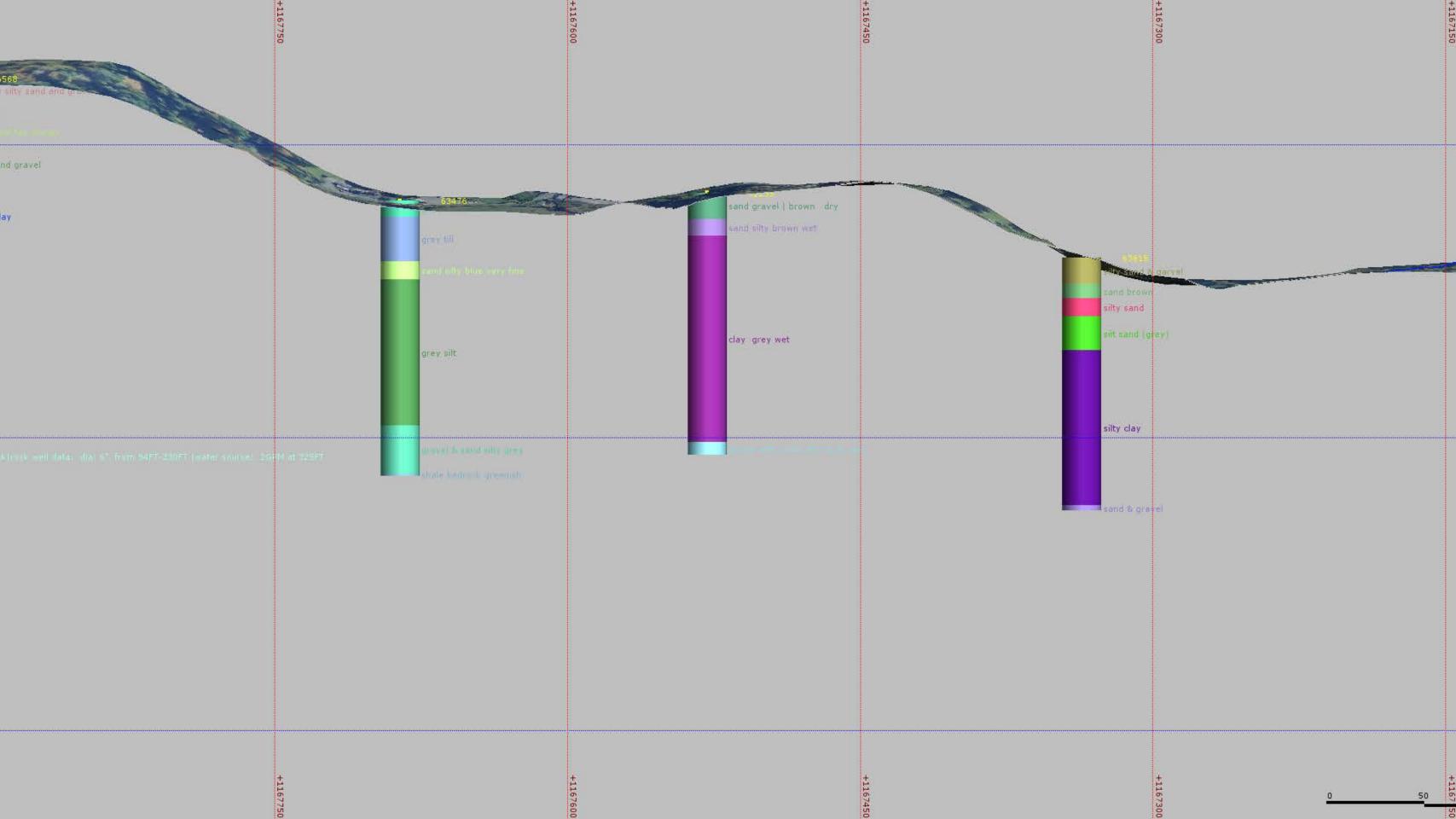
**Aquifer Material Class** 

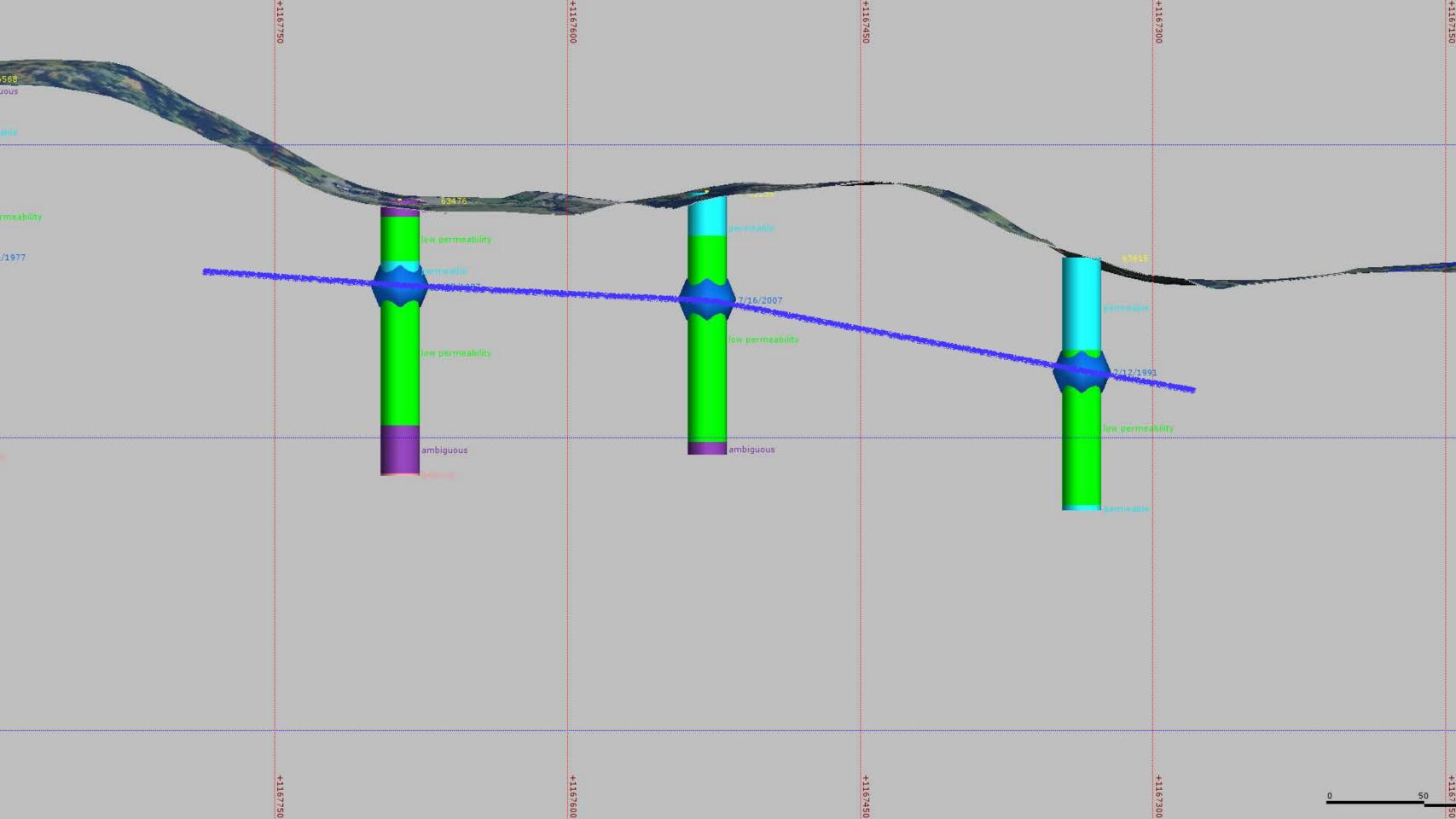
Bedrock

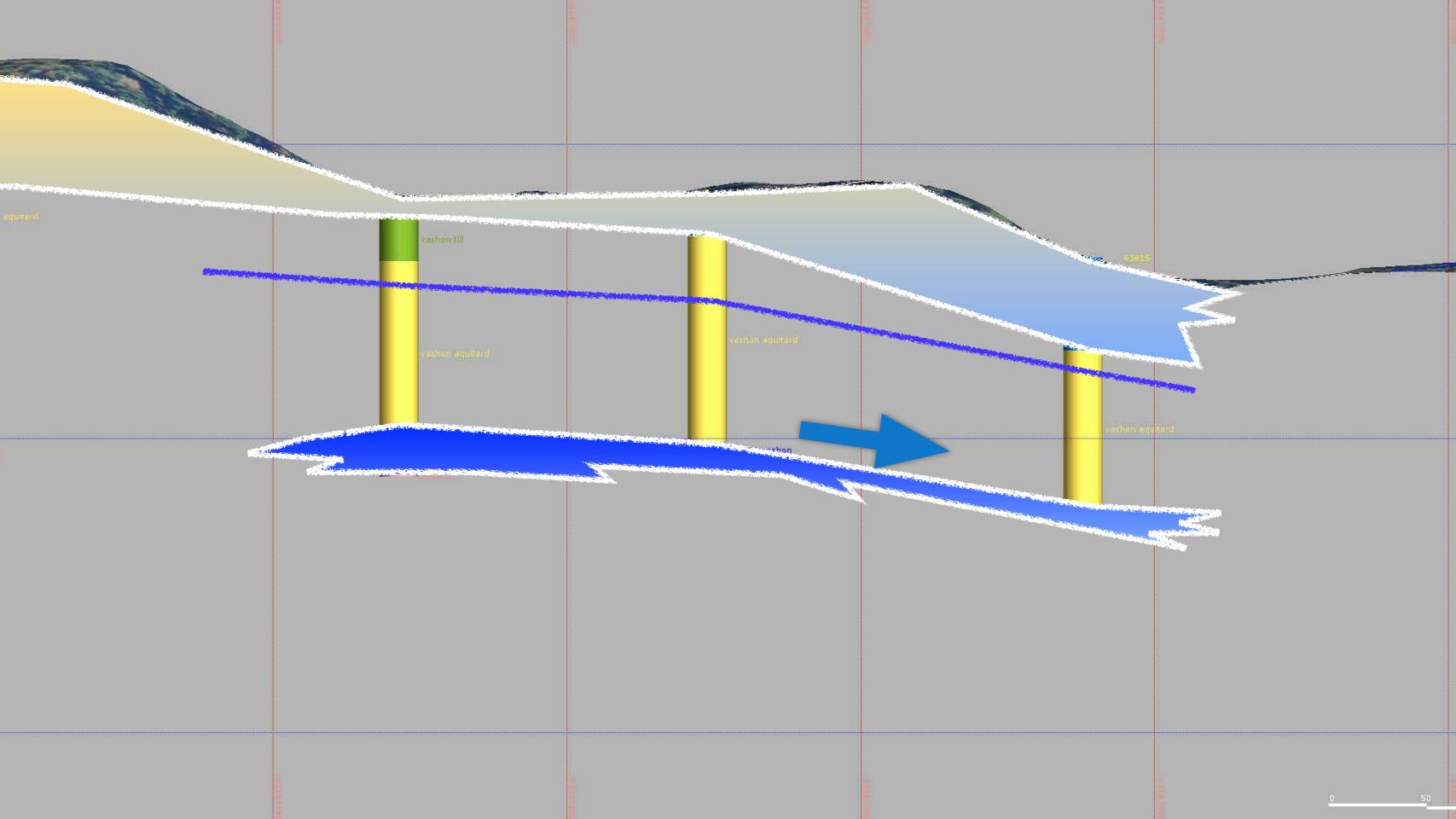
Gravel

Sand

Sand and Gravel



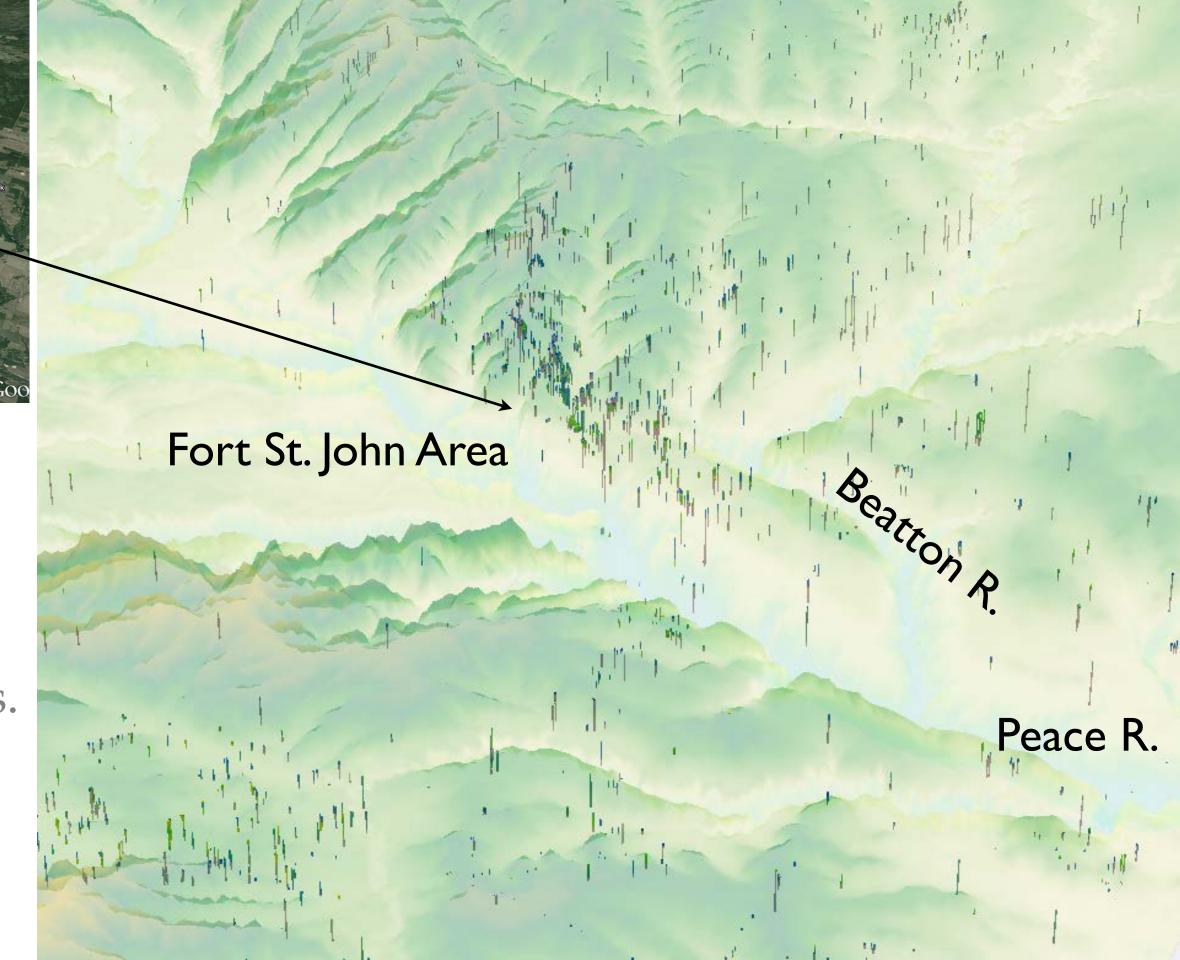




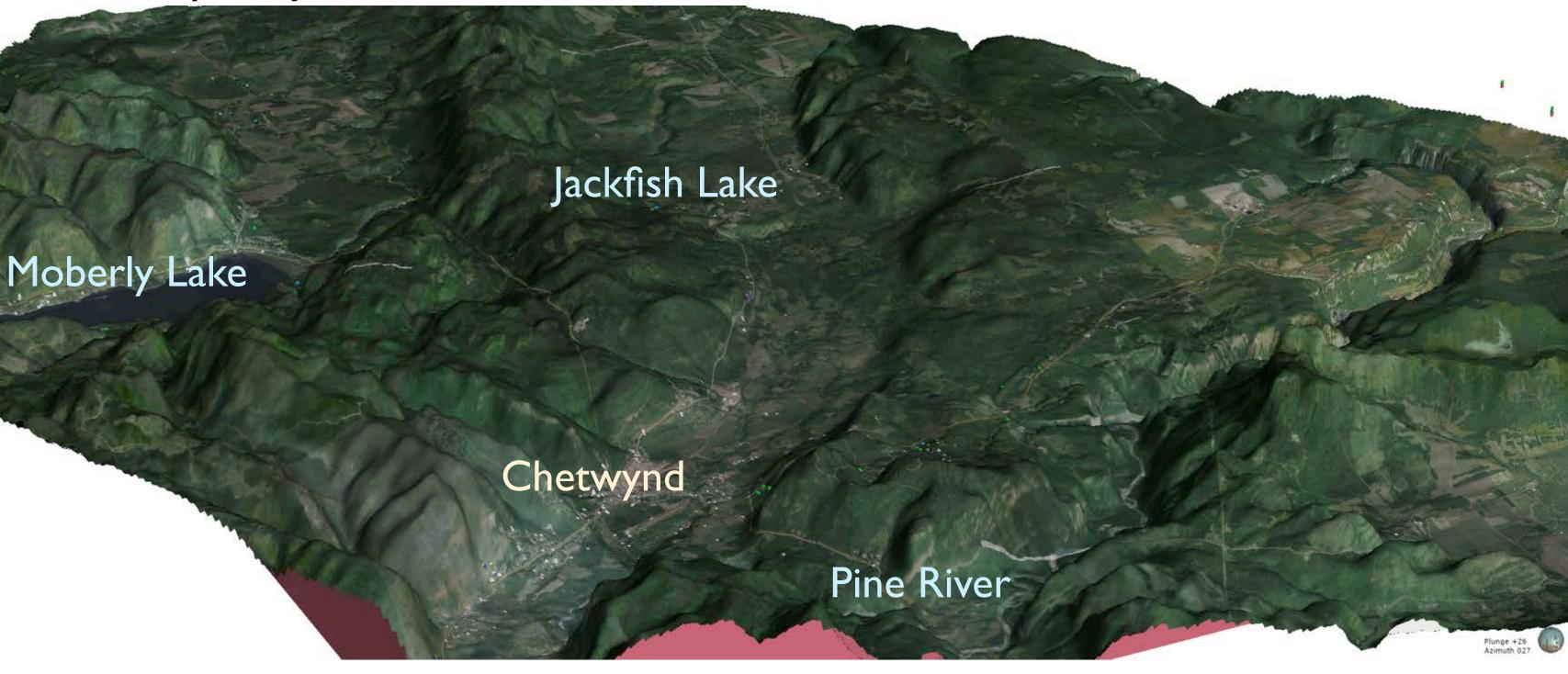


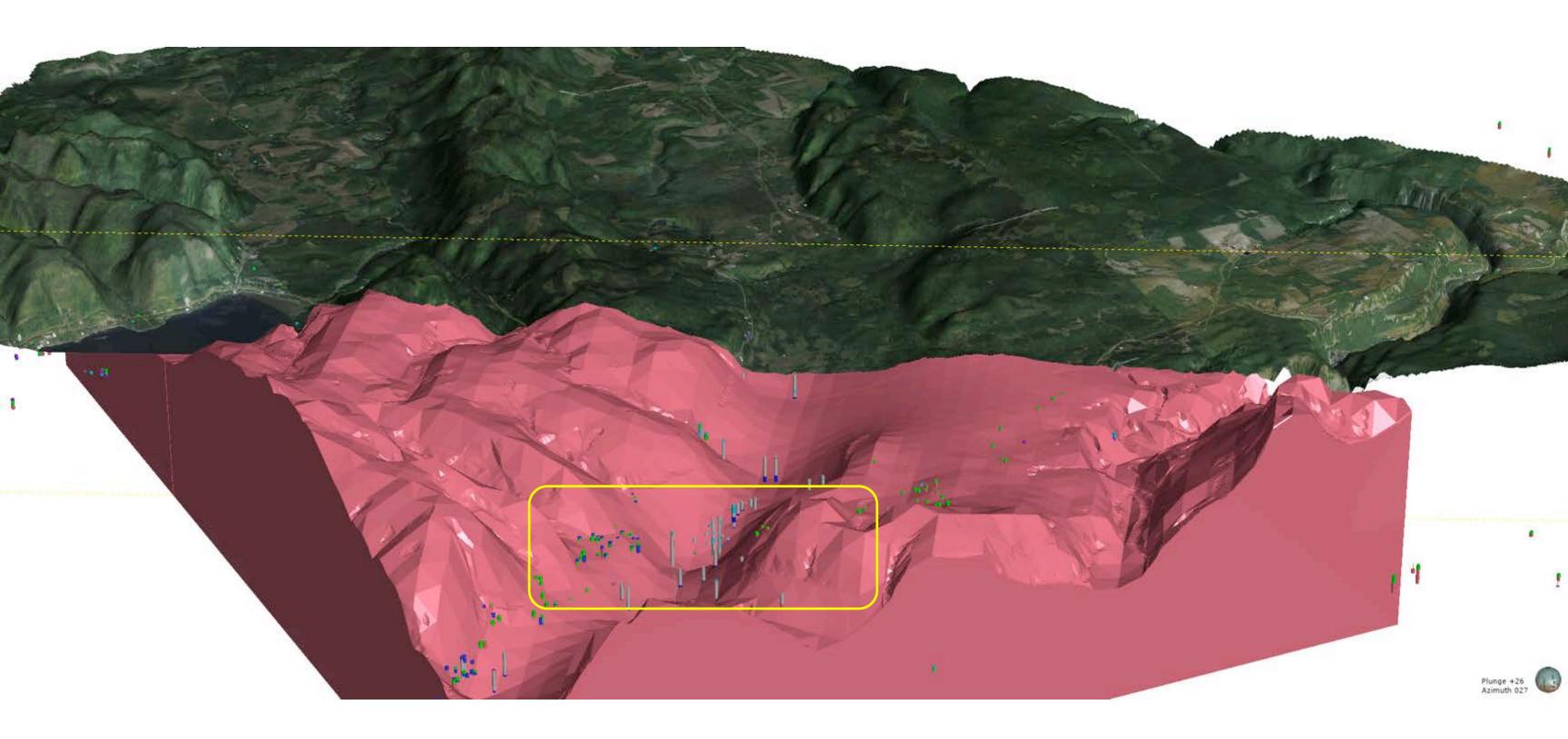
Oct 2014:

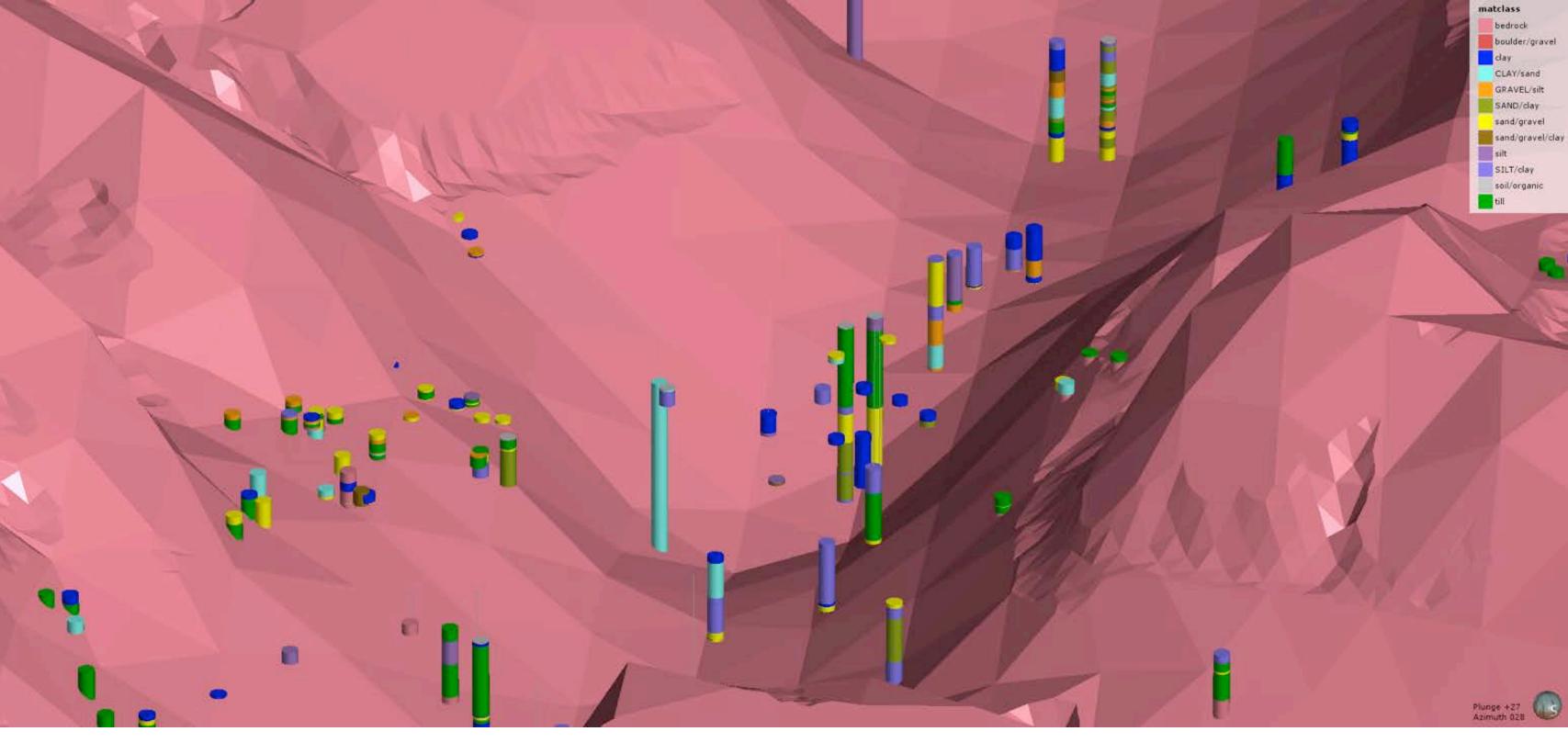
2400 "clean" well logs.

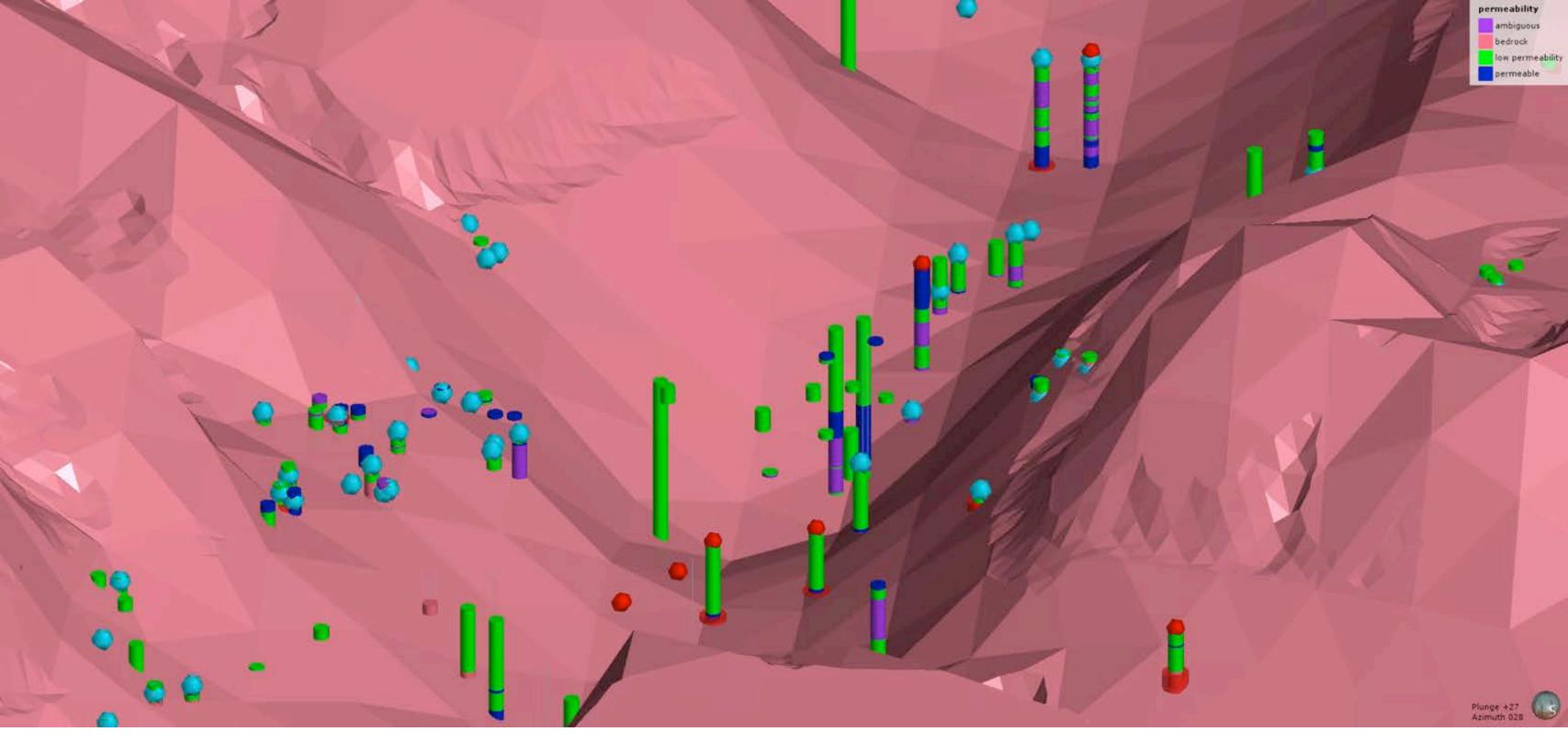


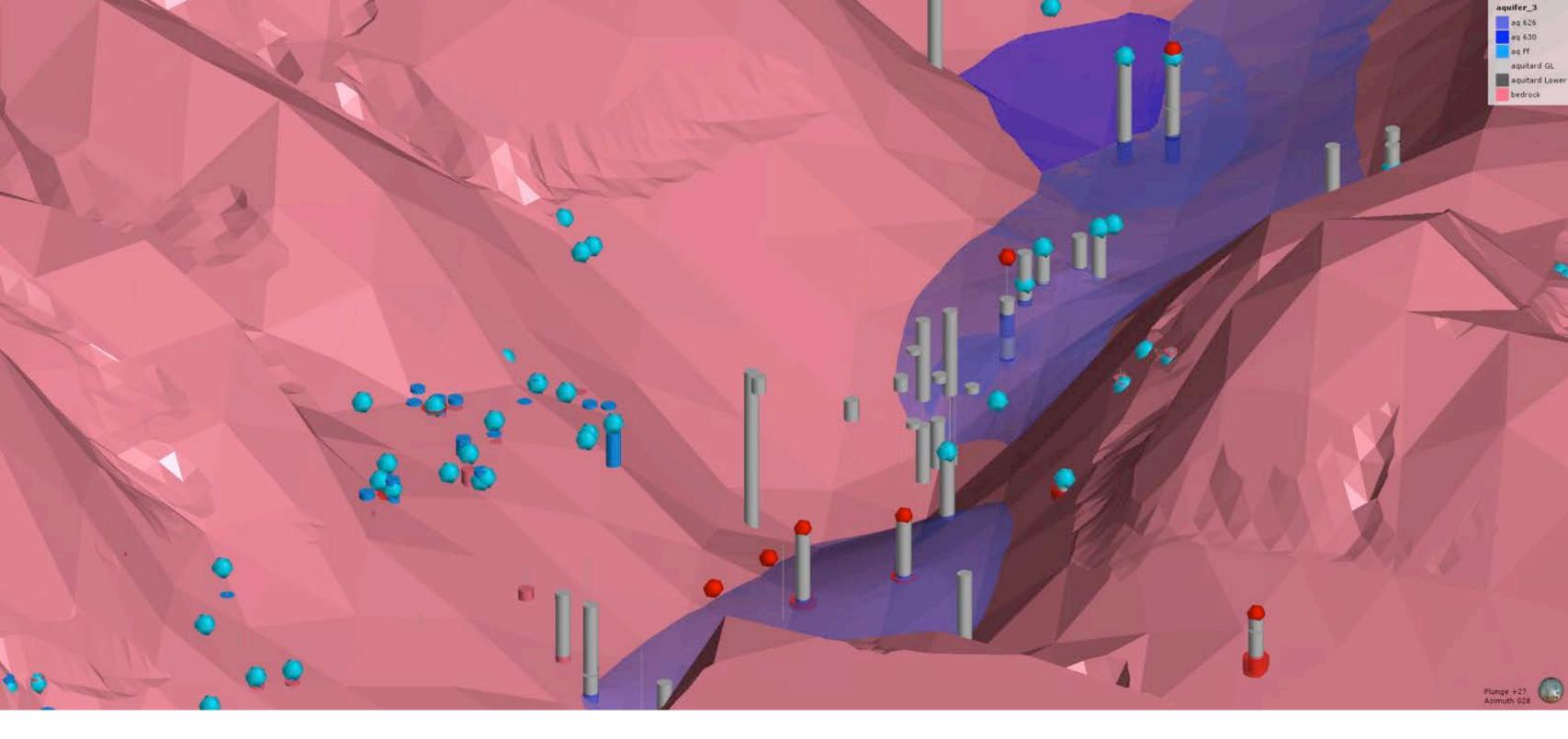
Chetwynd - Jackfish

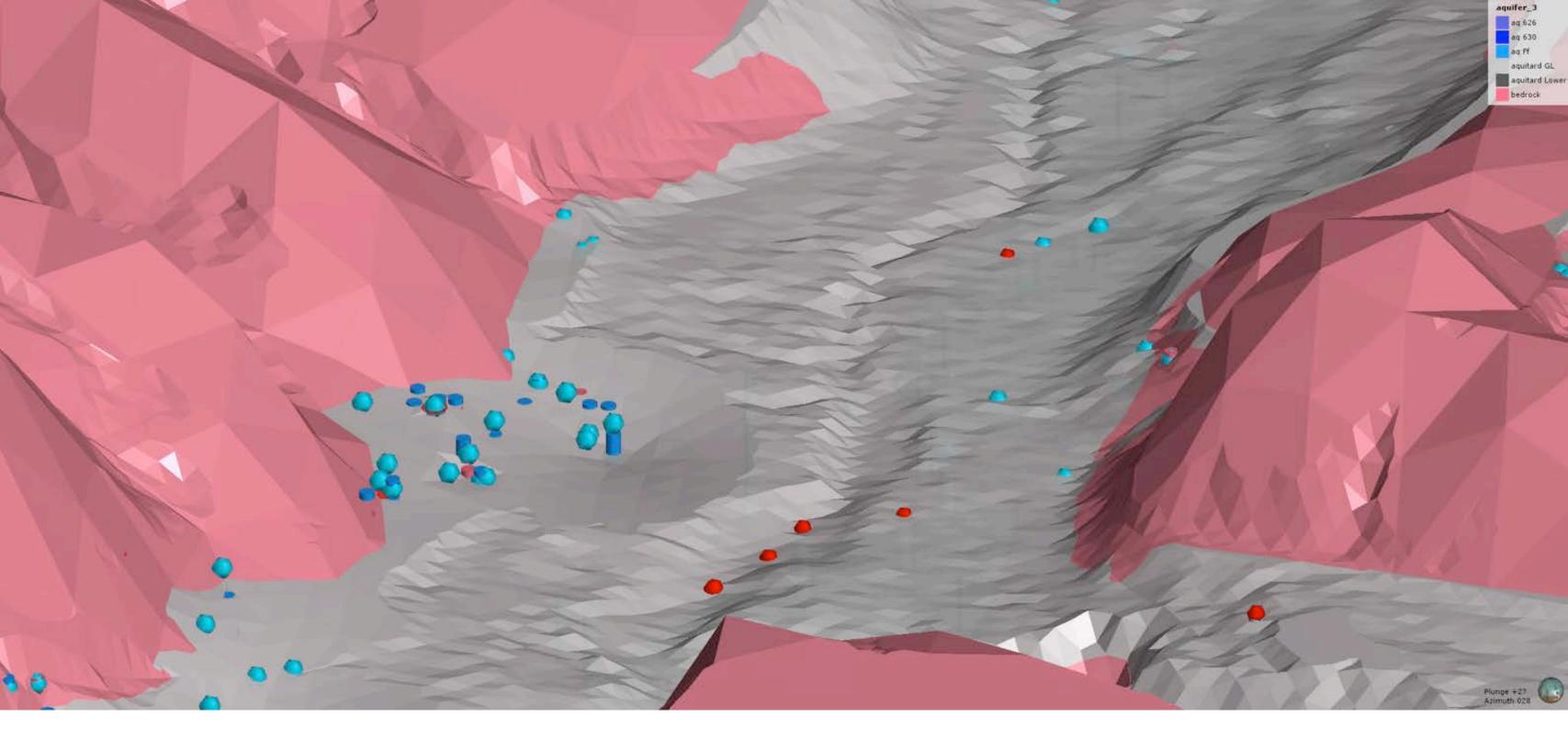


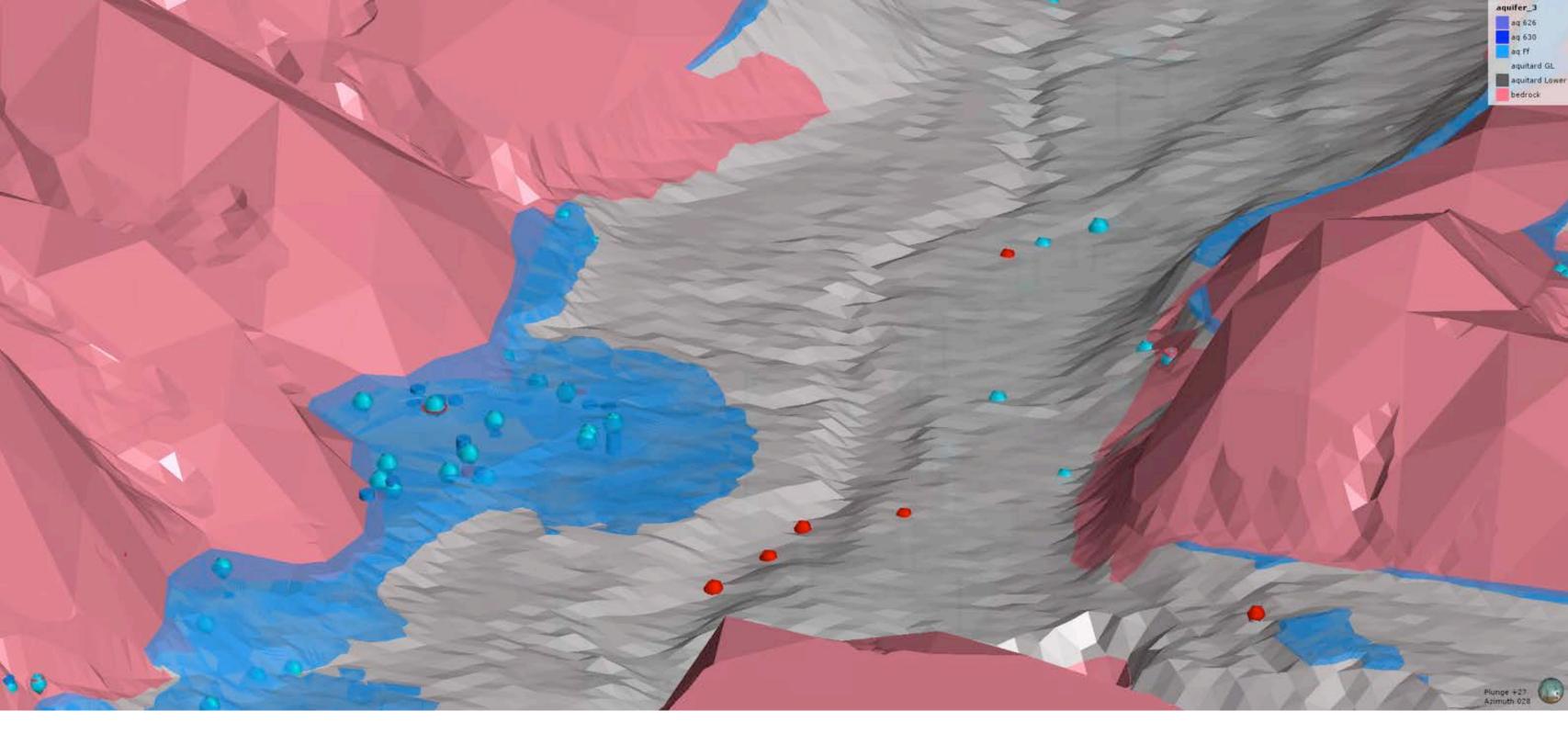




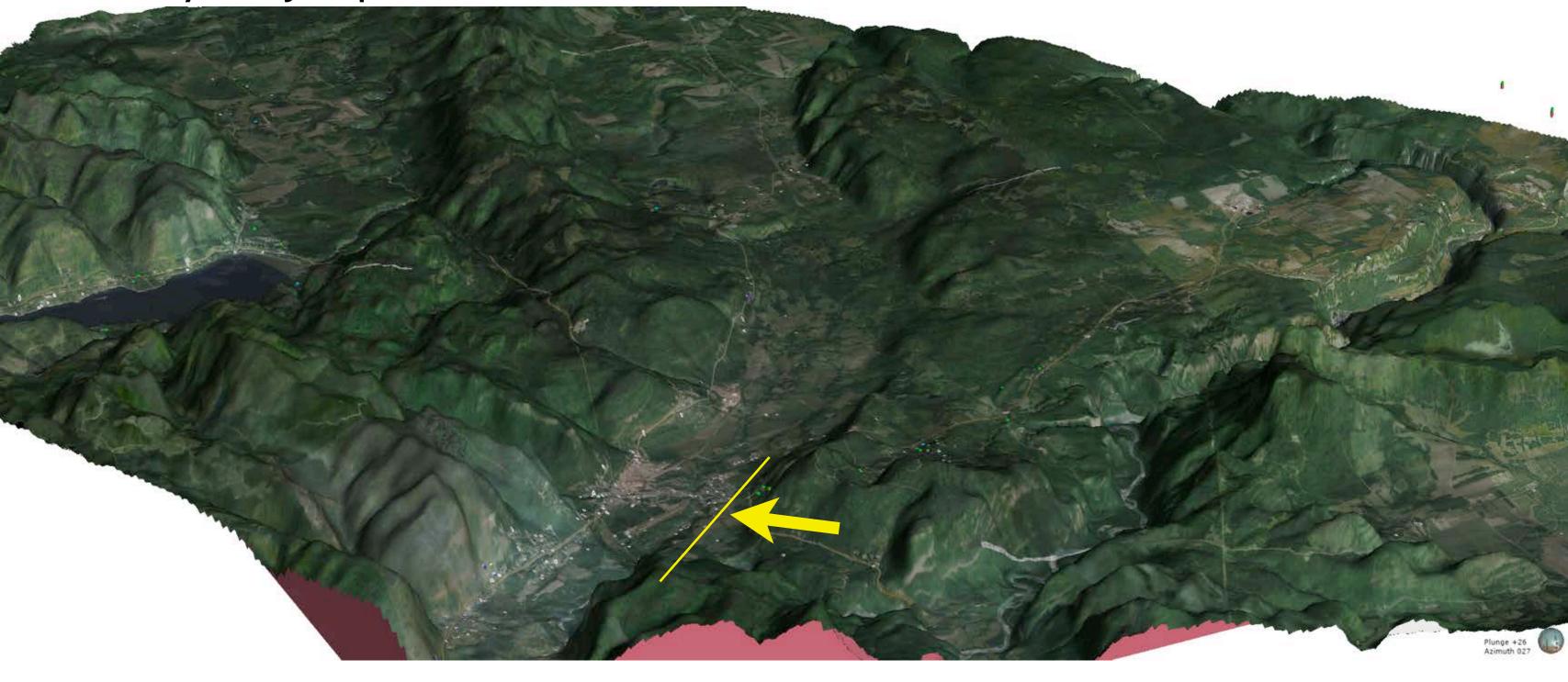


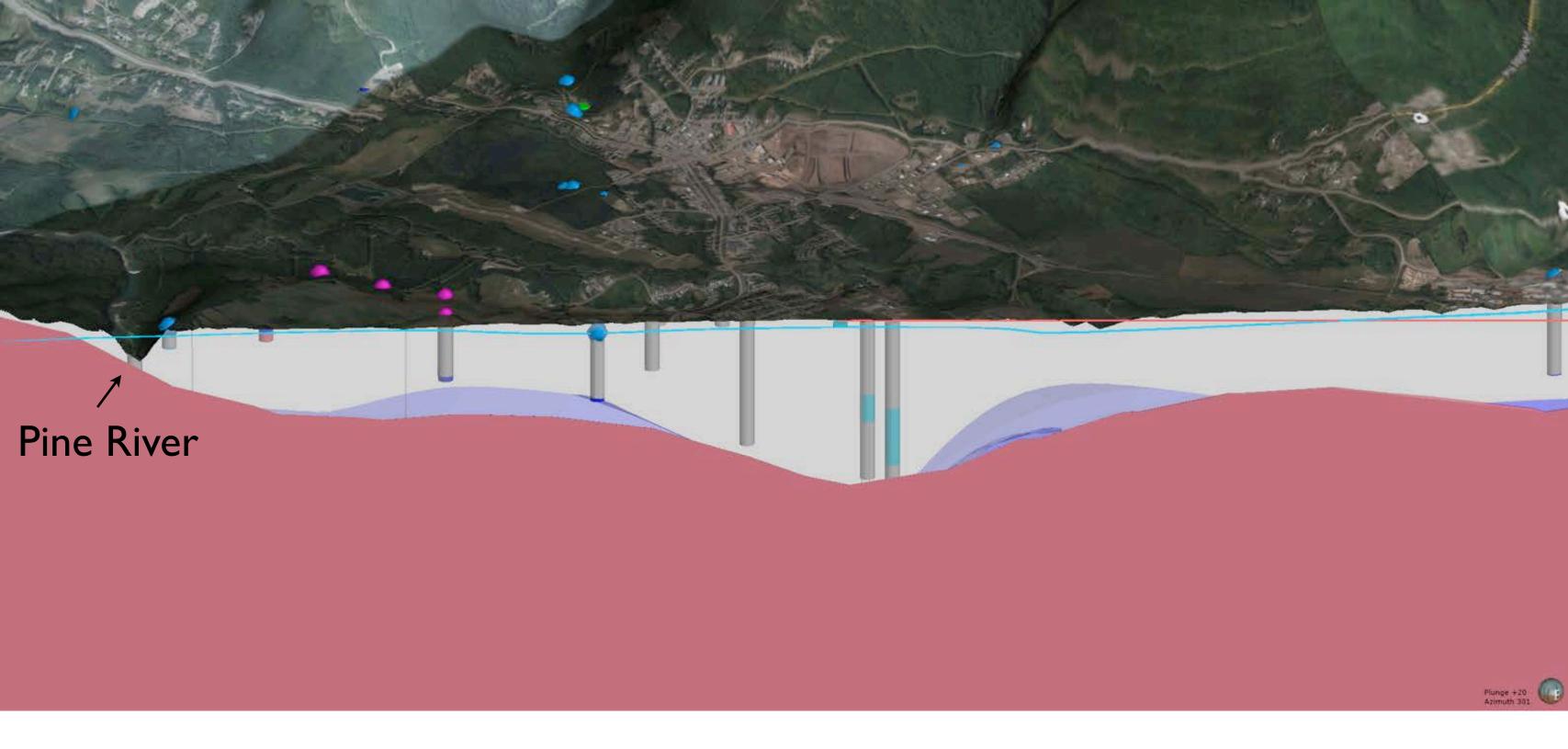


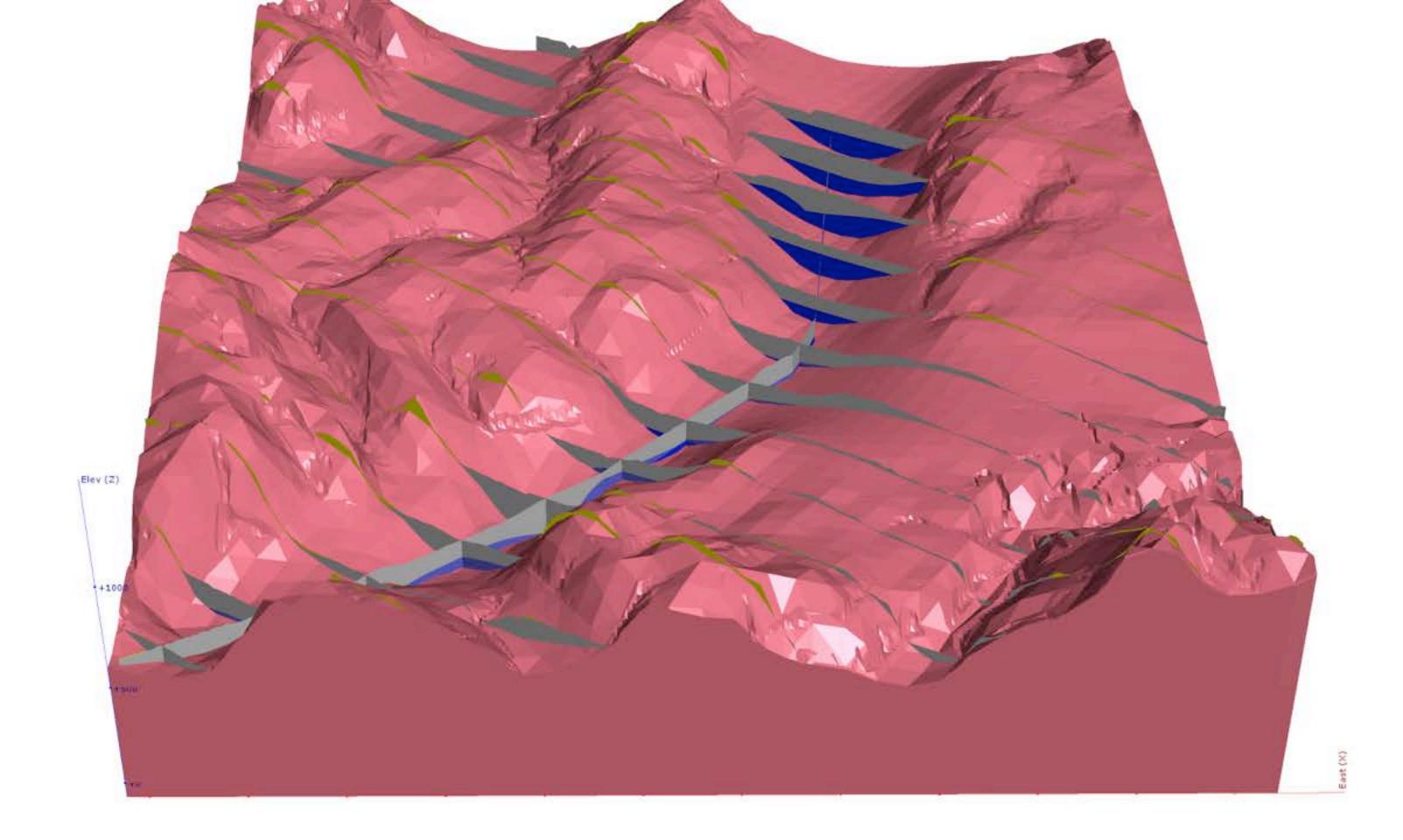




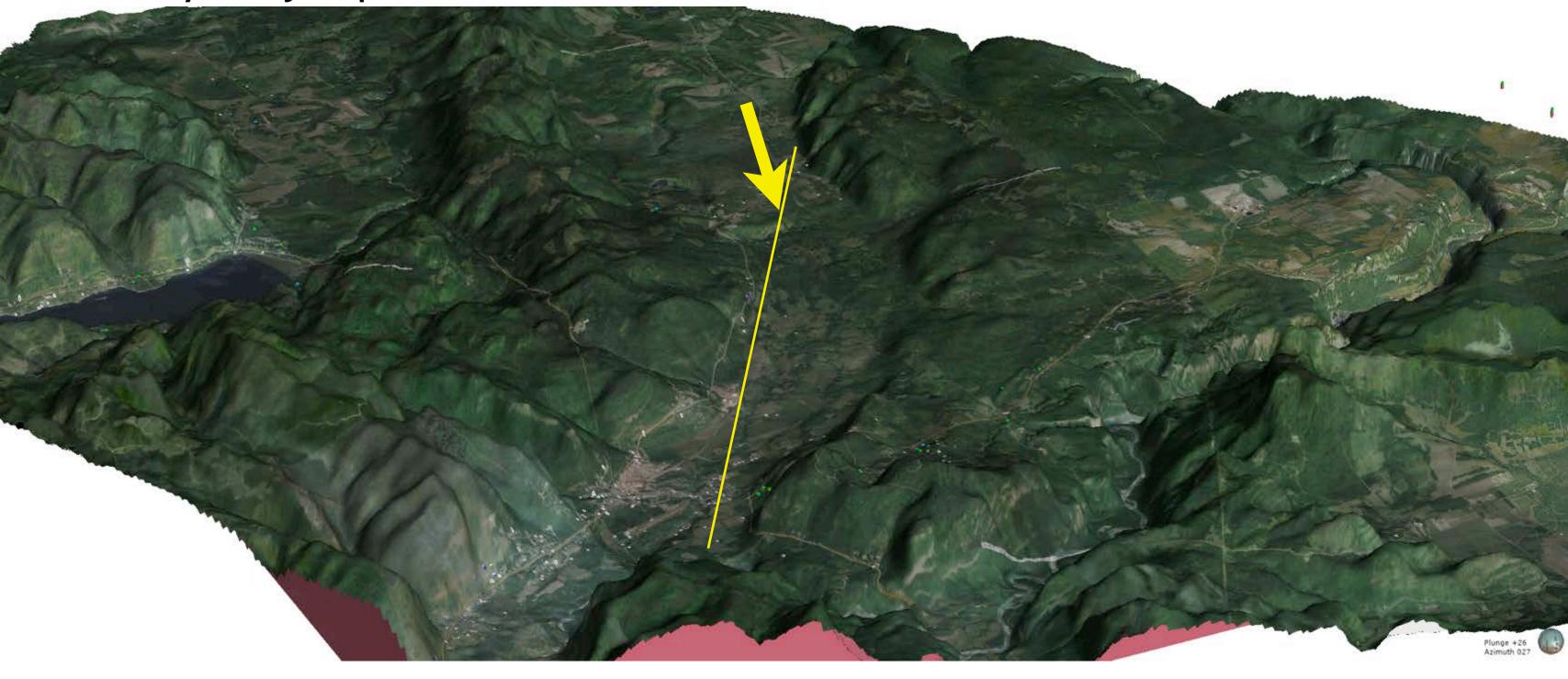
Chetwynd - Jackpine

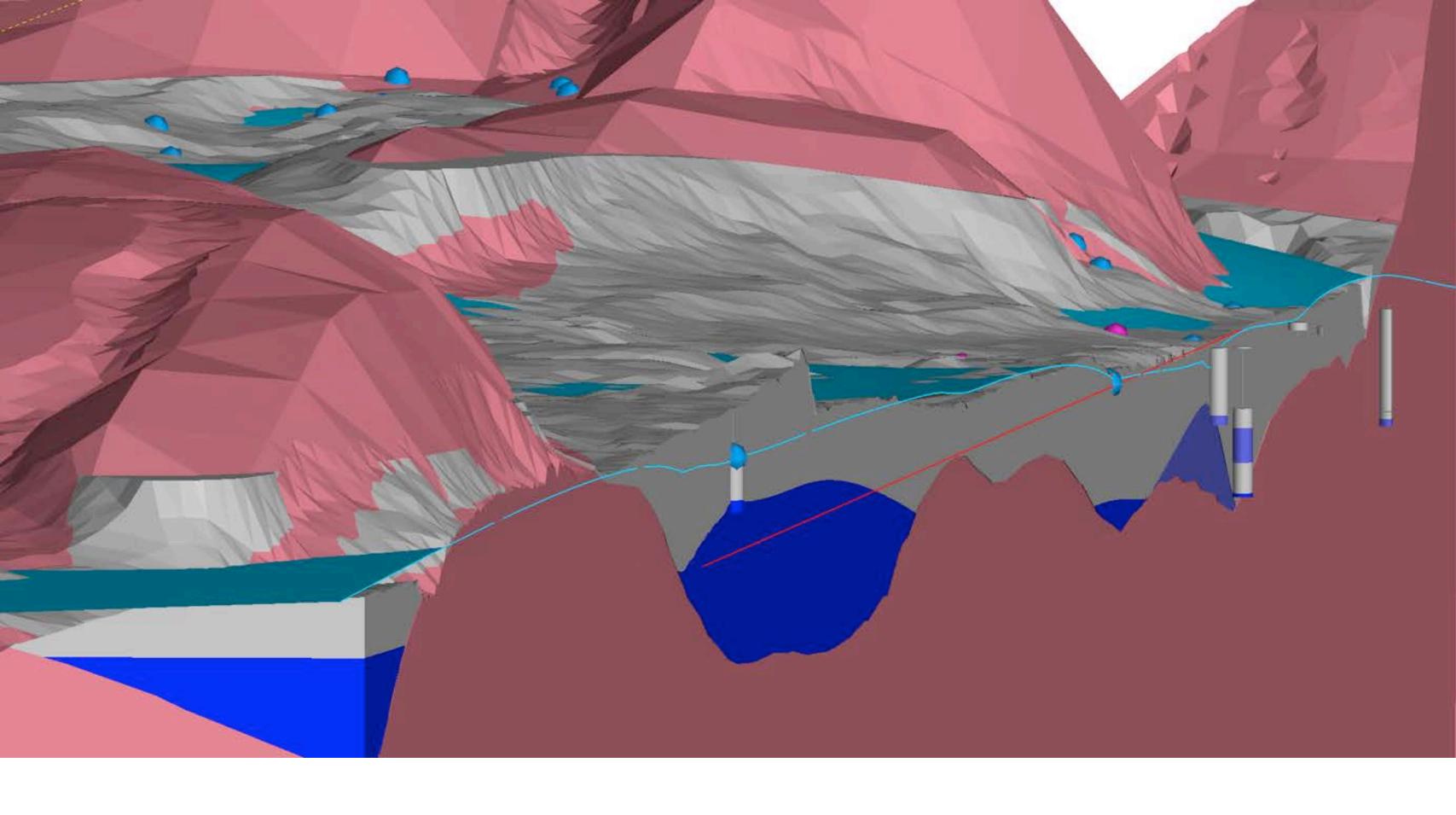


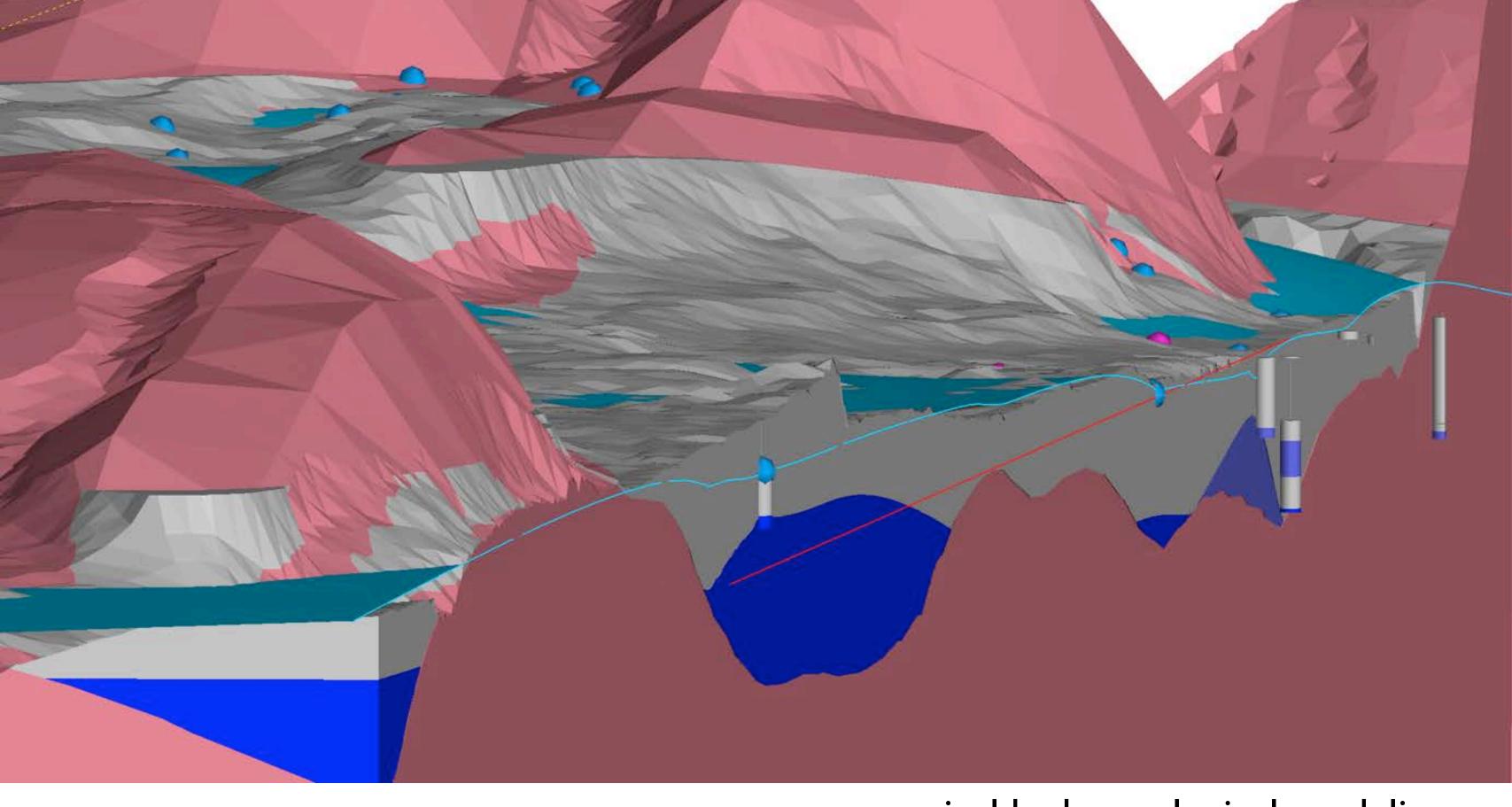




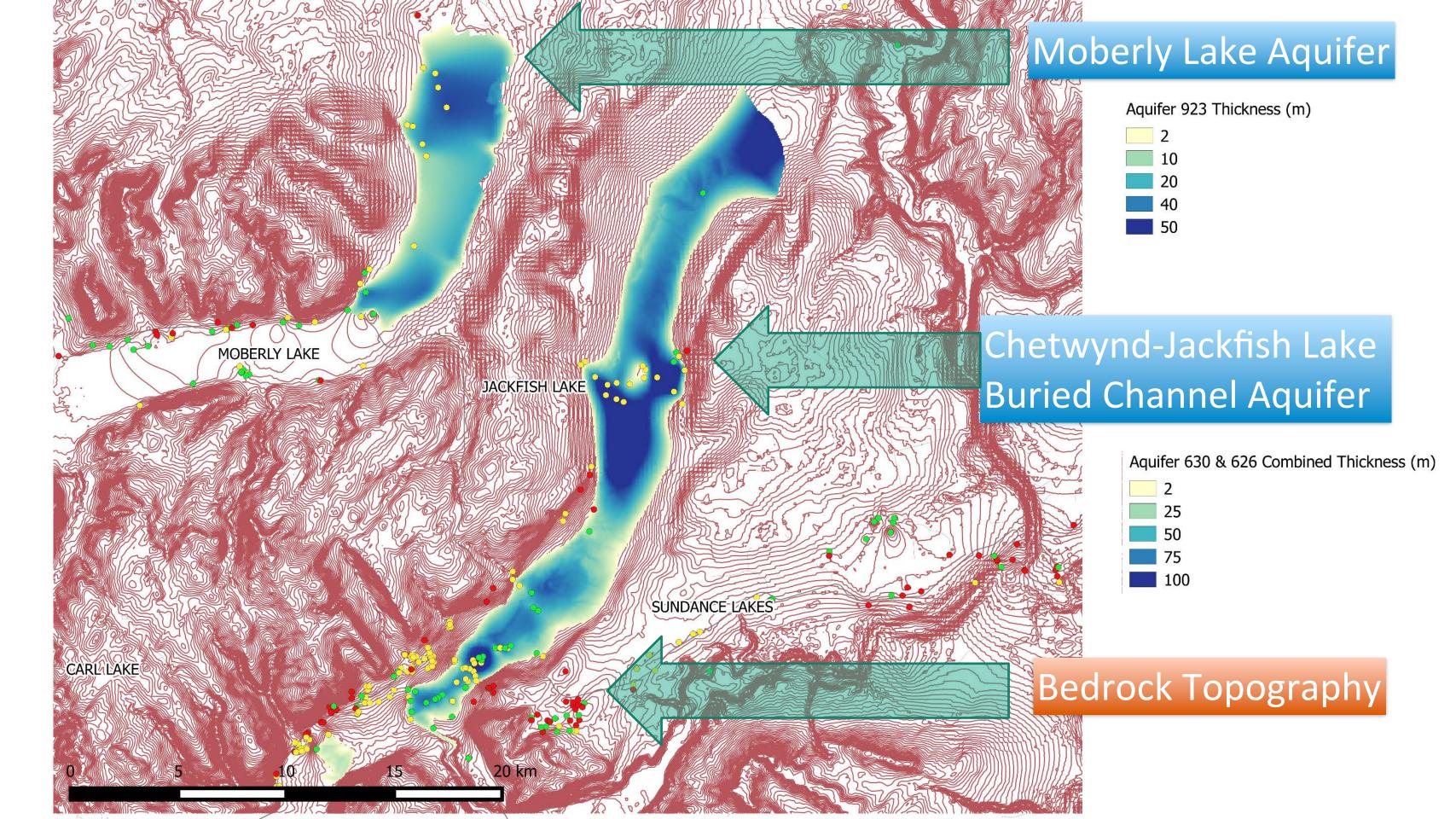
Chetwynd - Jackpine

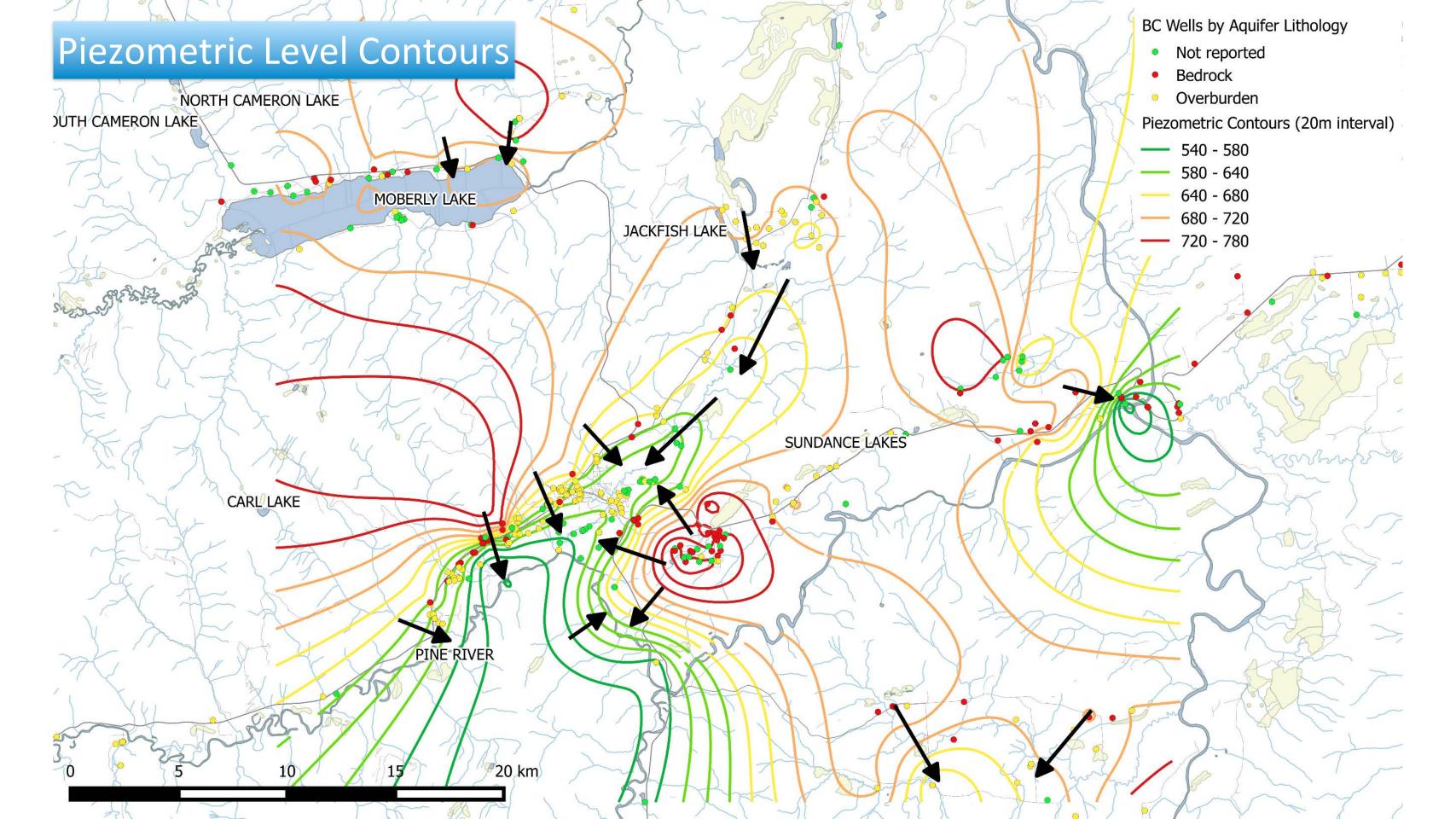


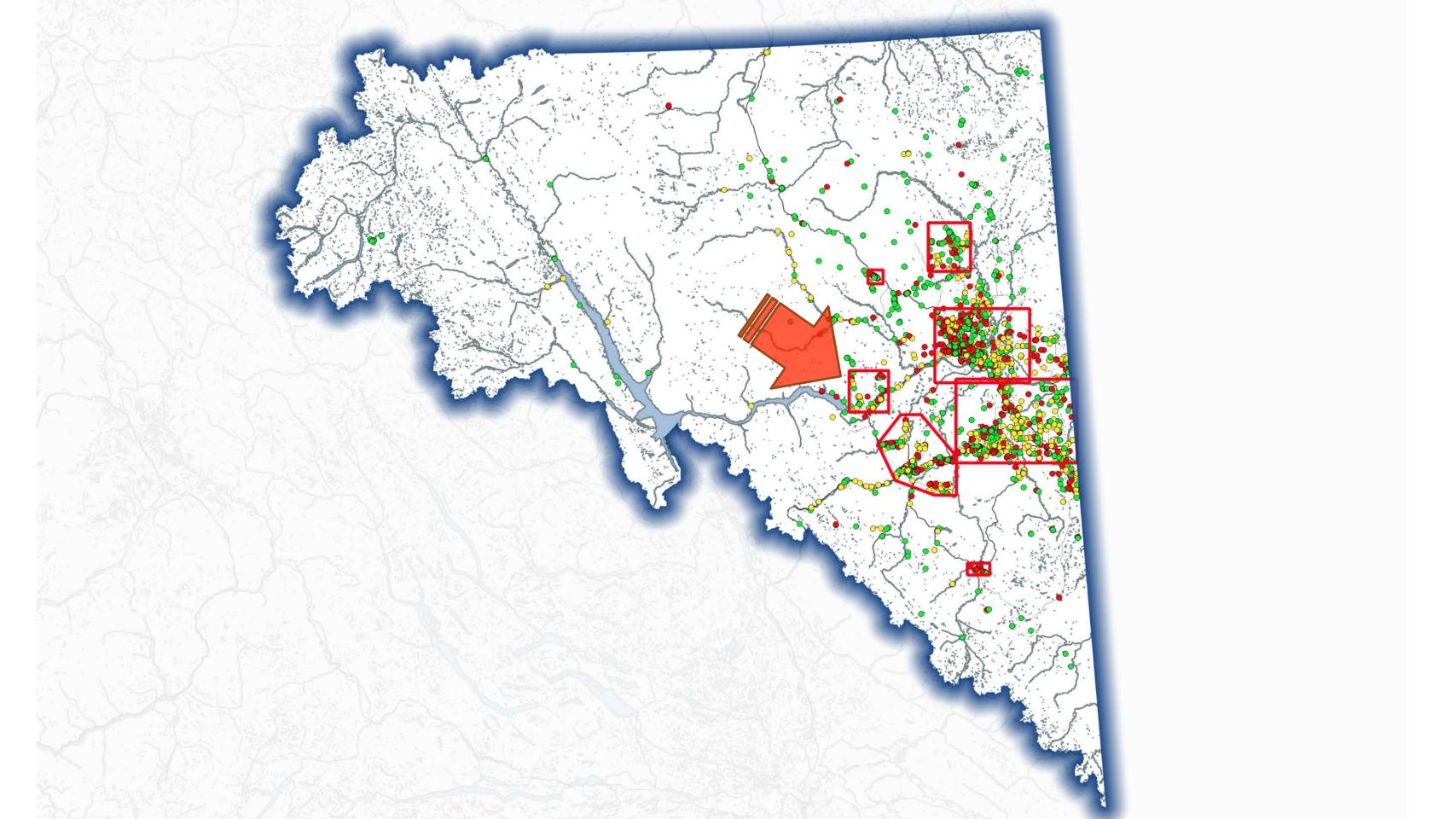


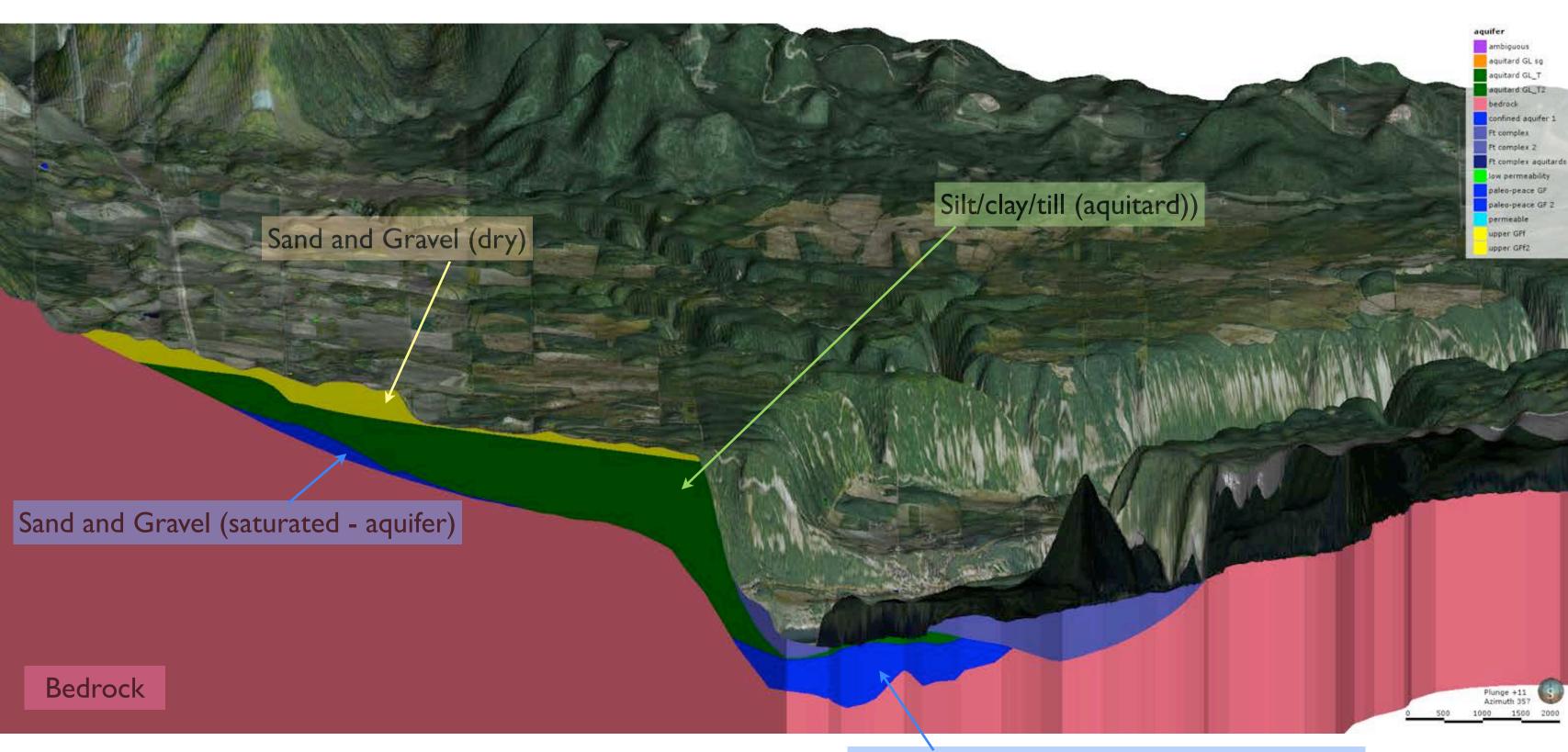


numerical hydrogeological modeling

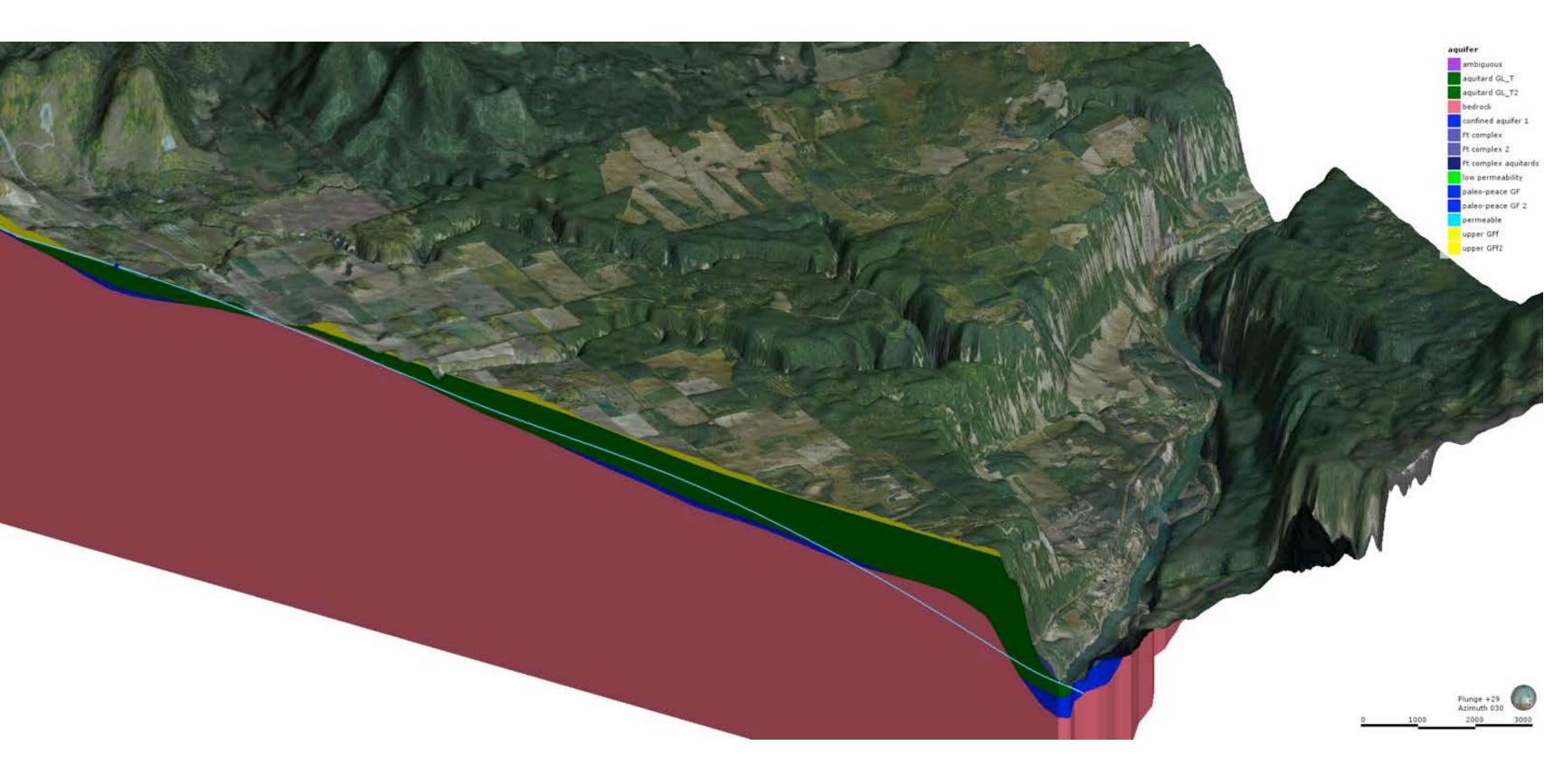


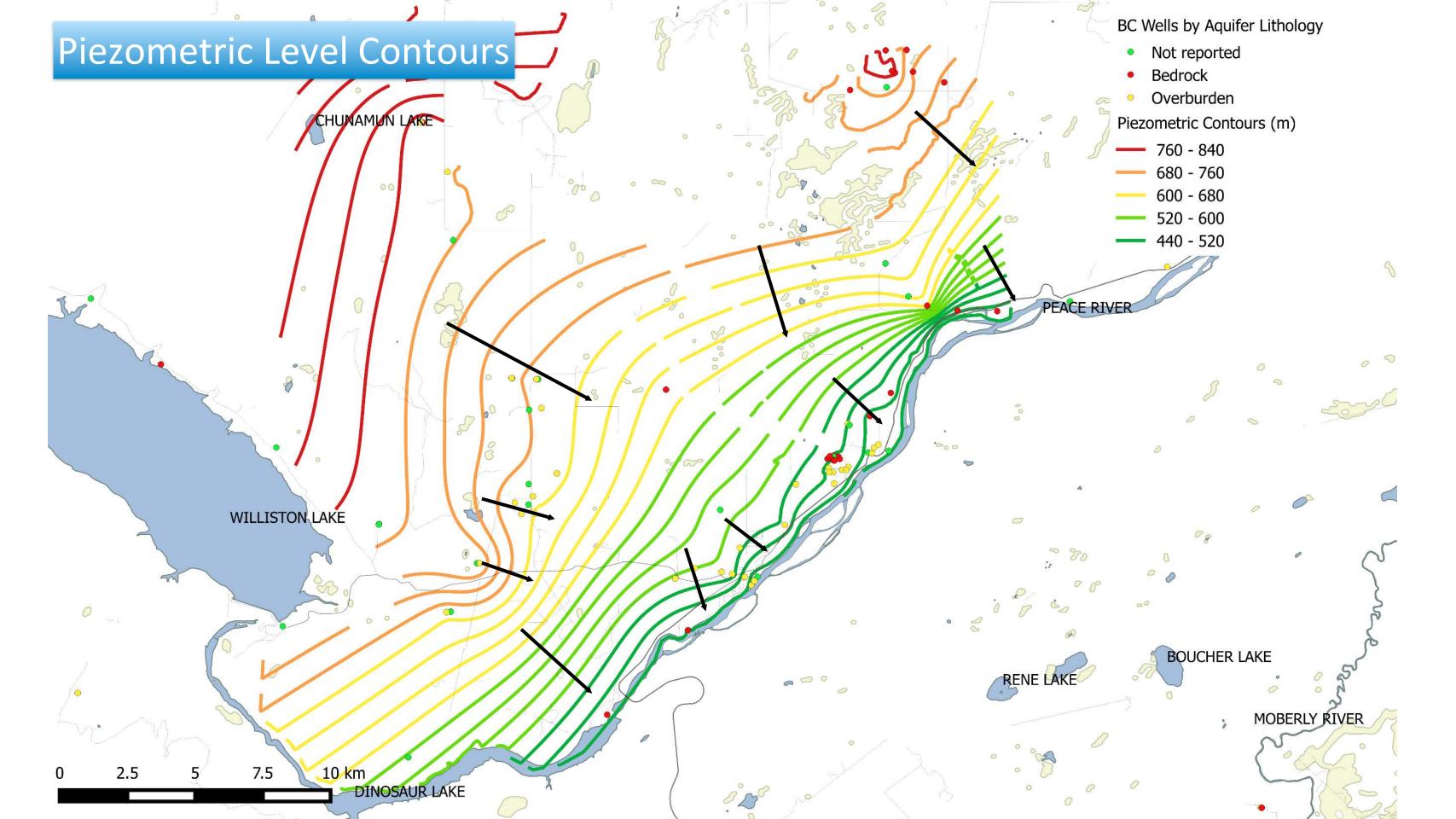


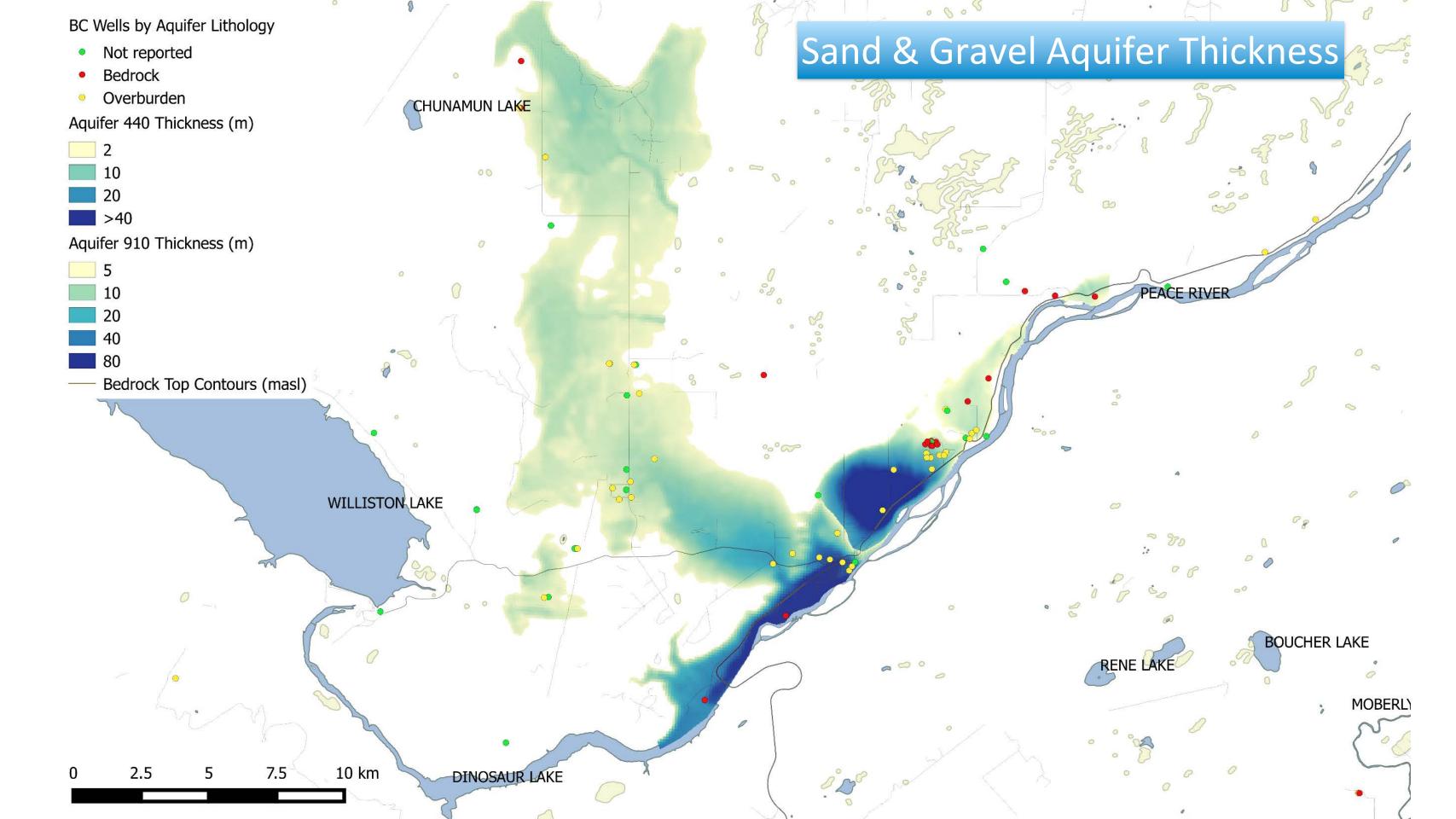


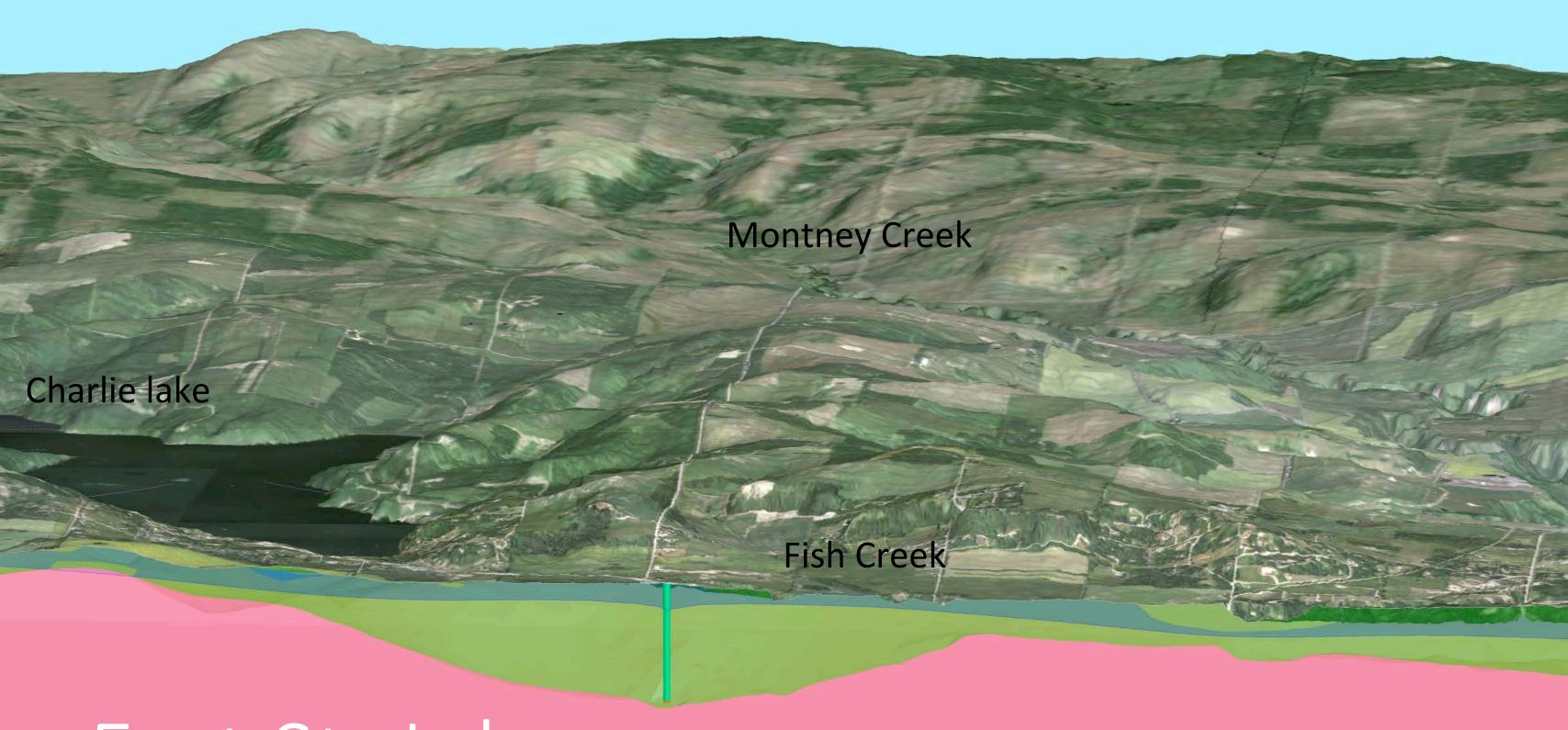


Mixed sand and gravel (saturated - aquifer)

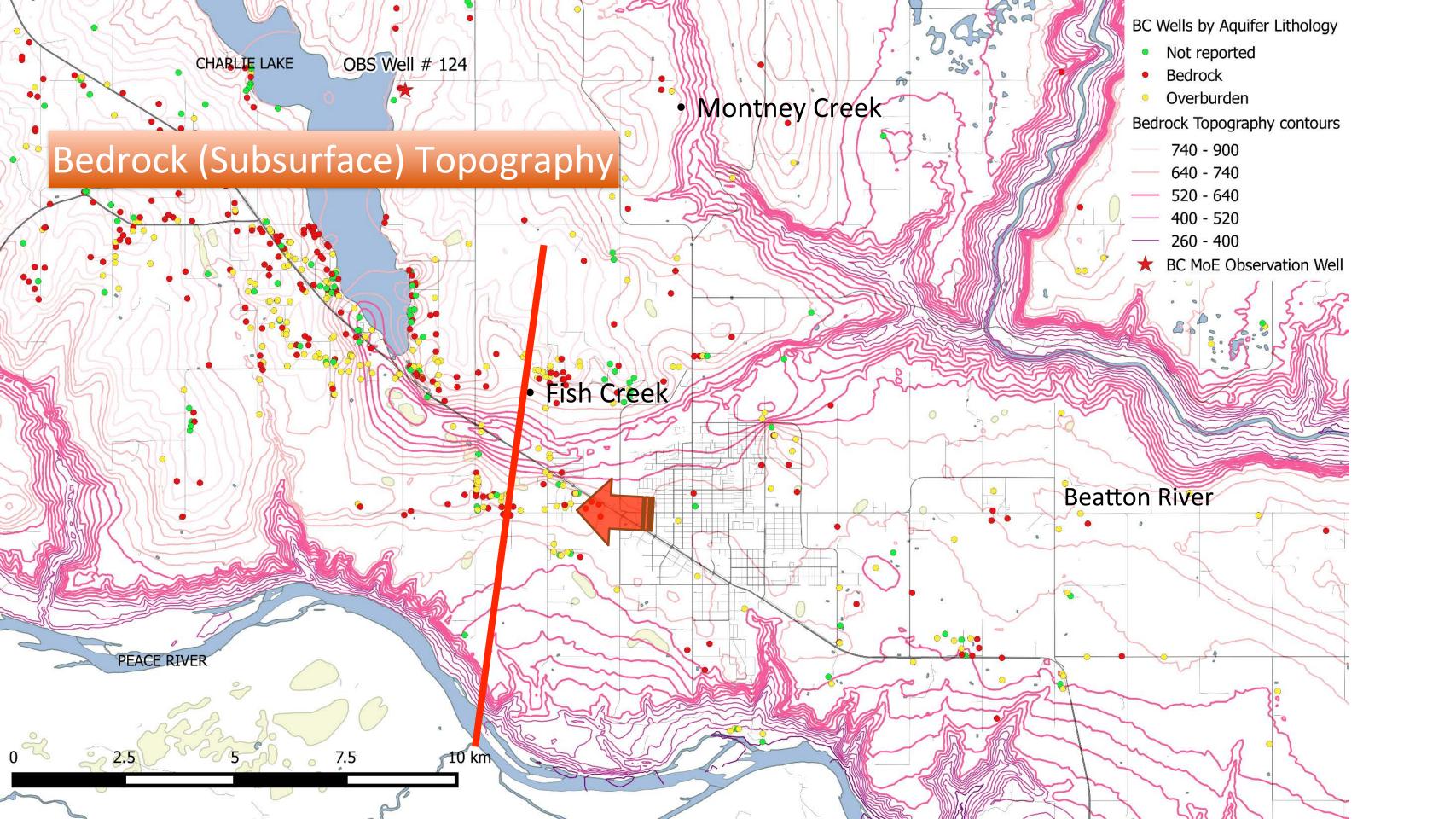




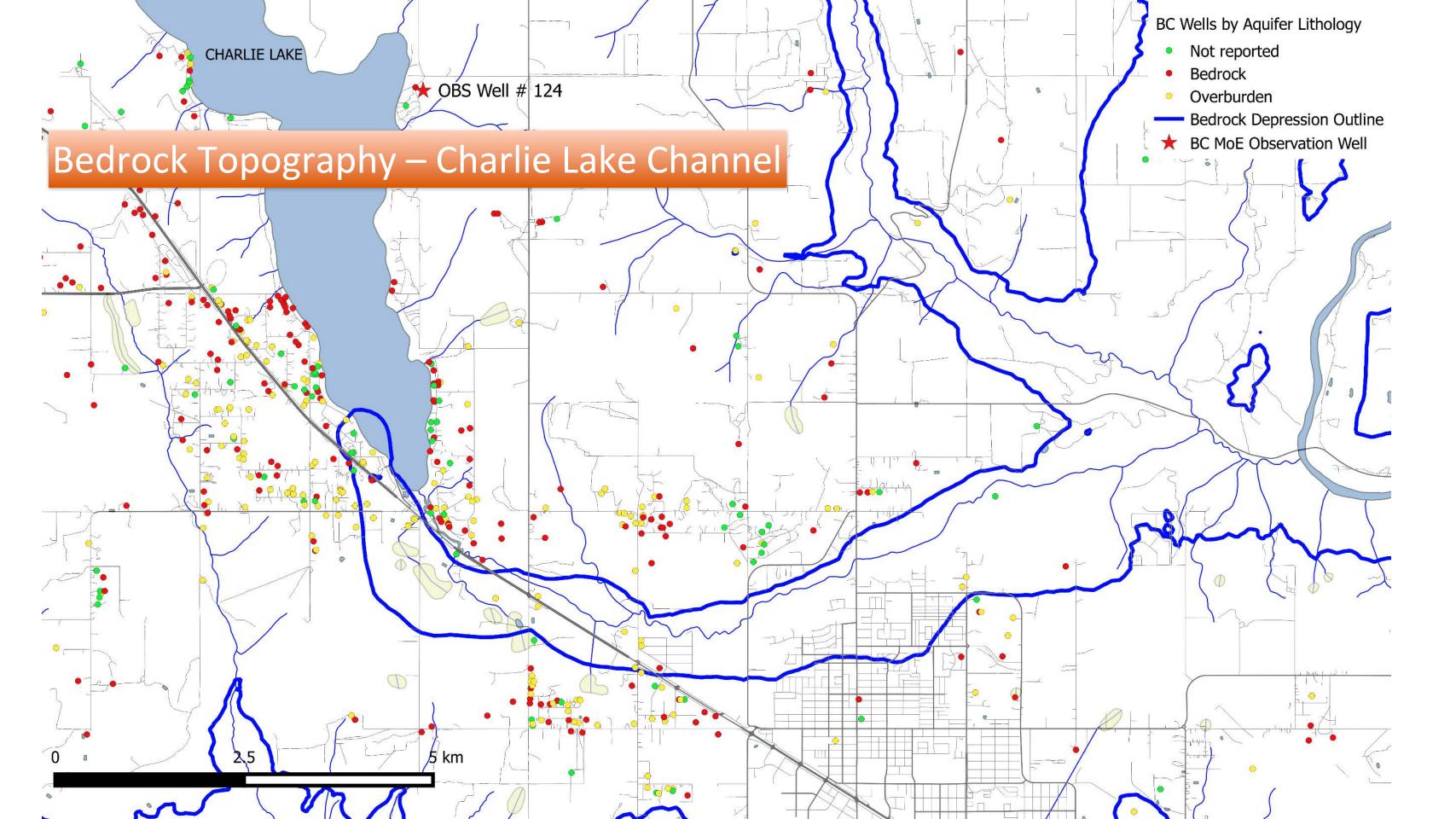


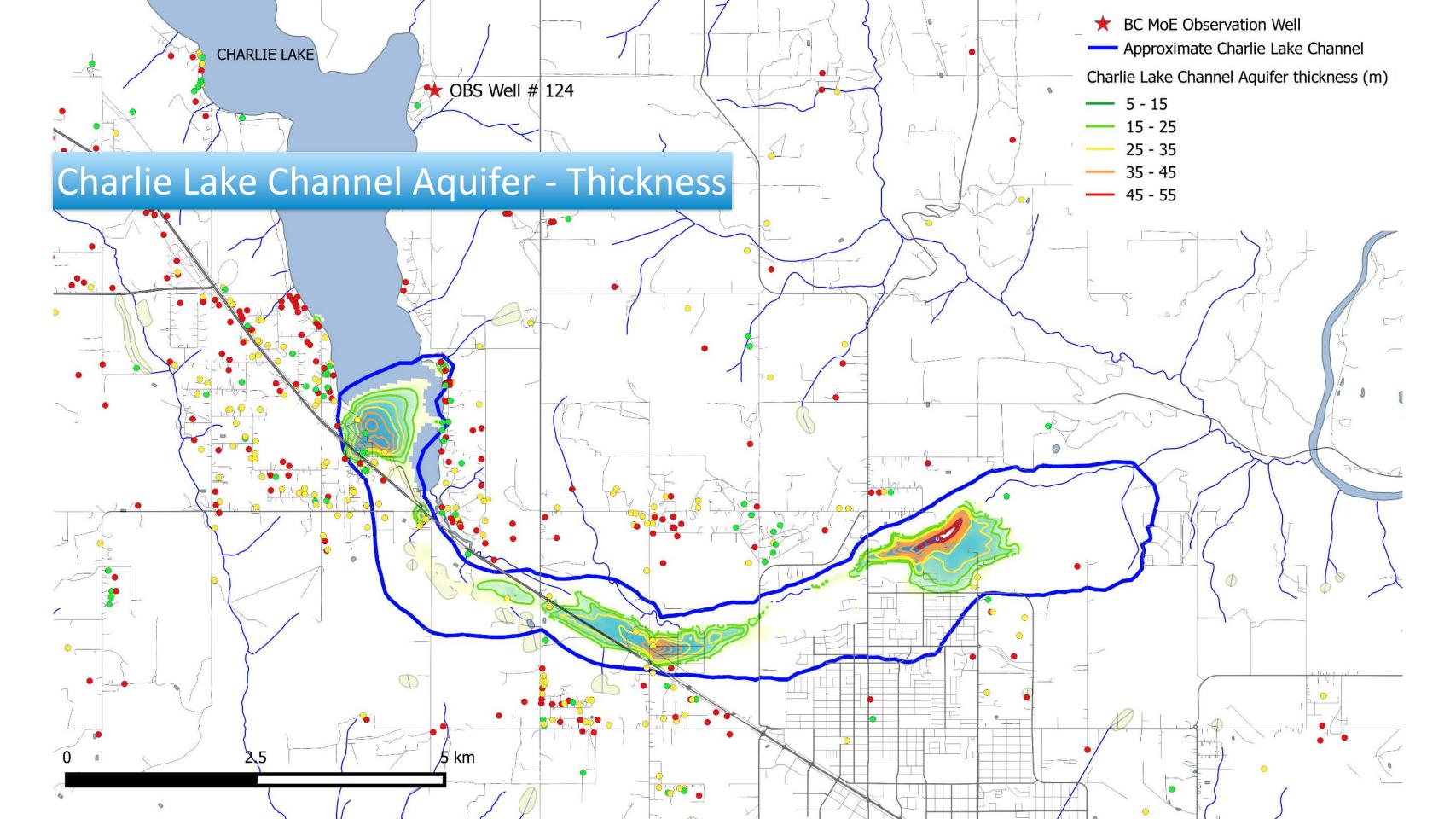


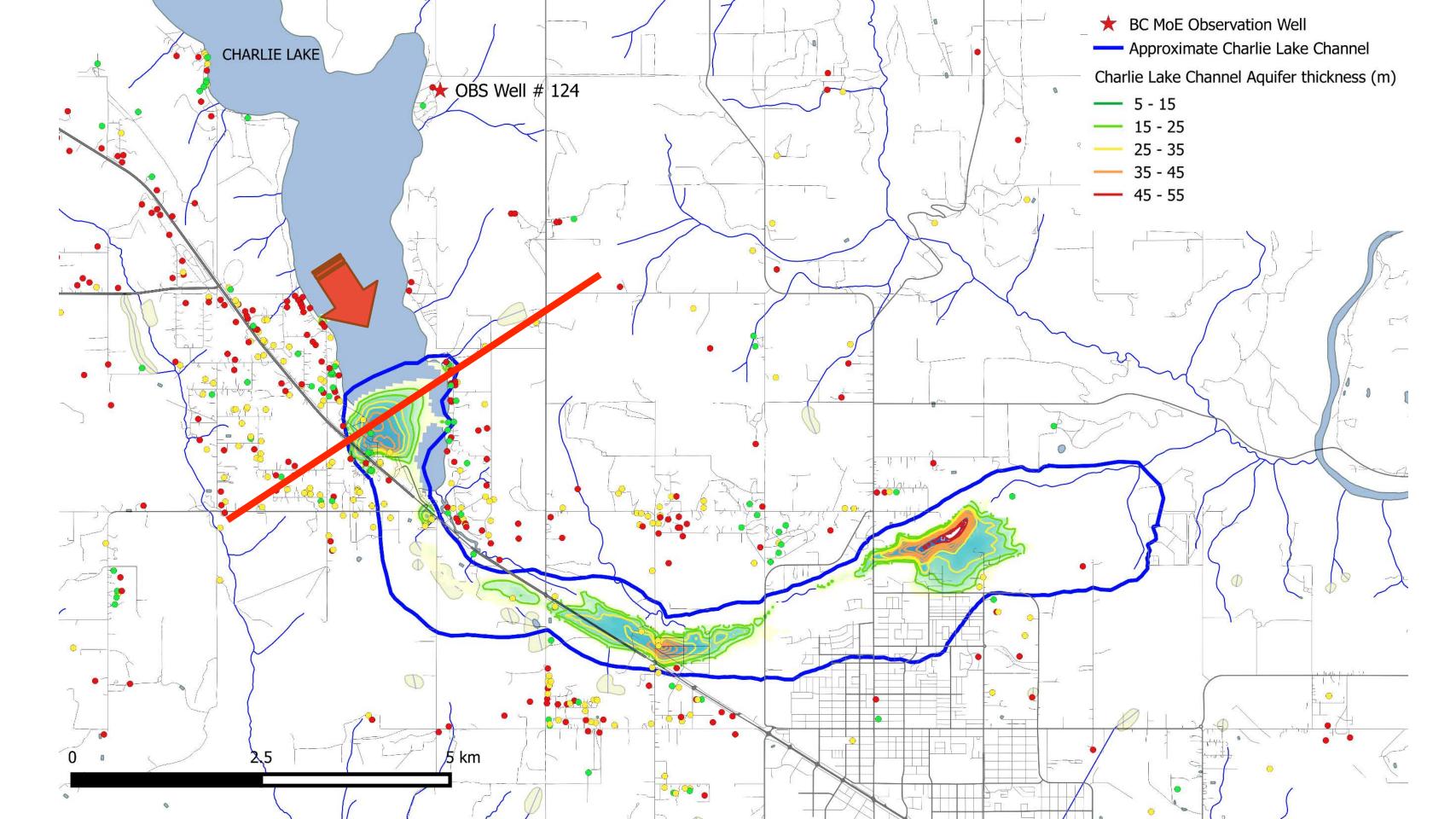
Fort St. John

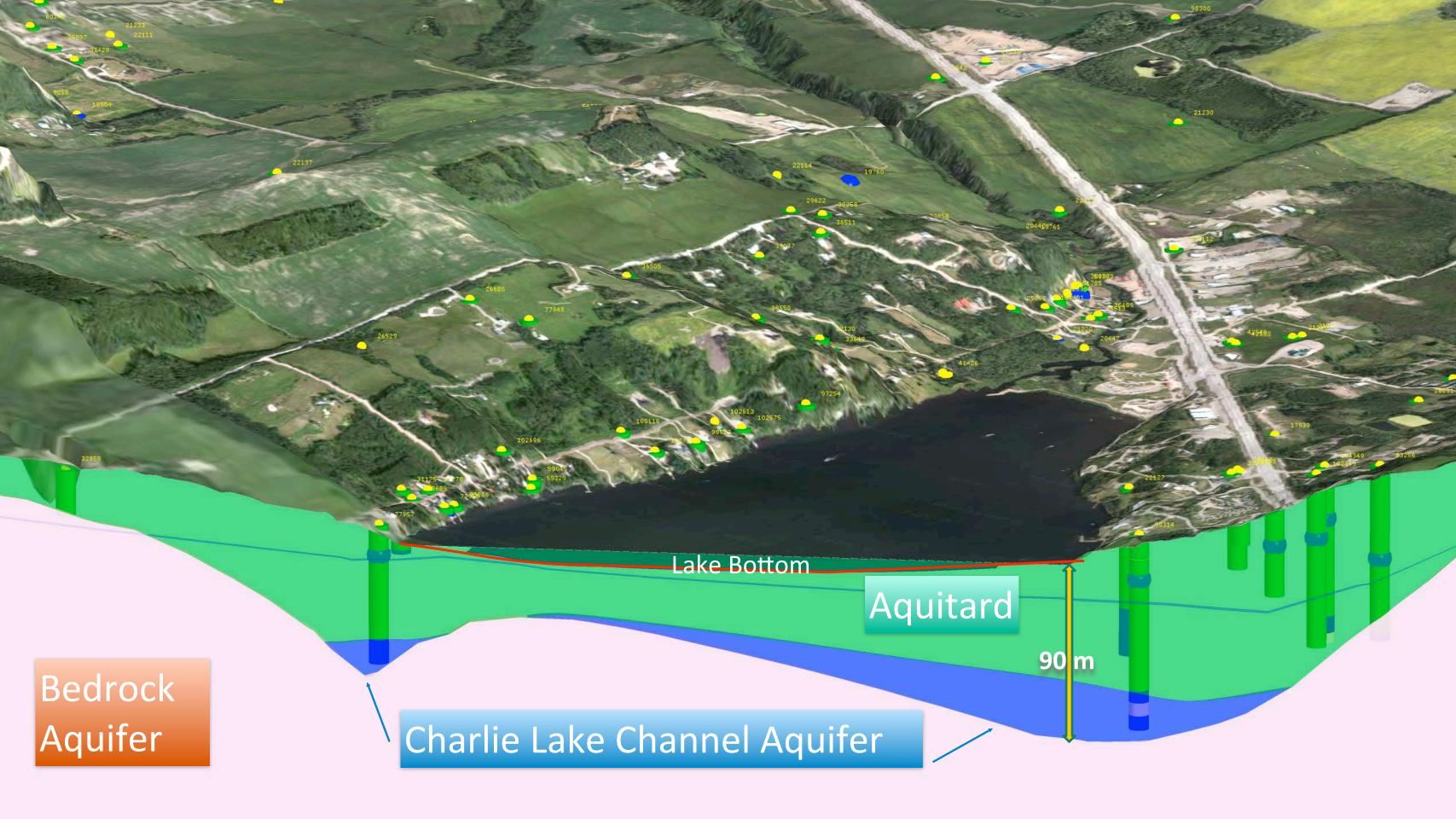


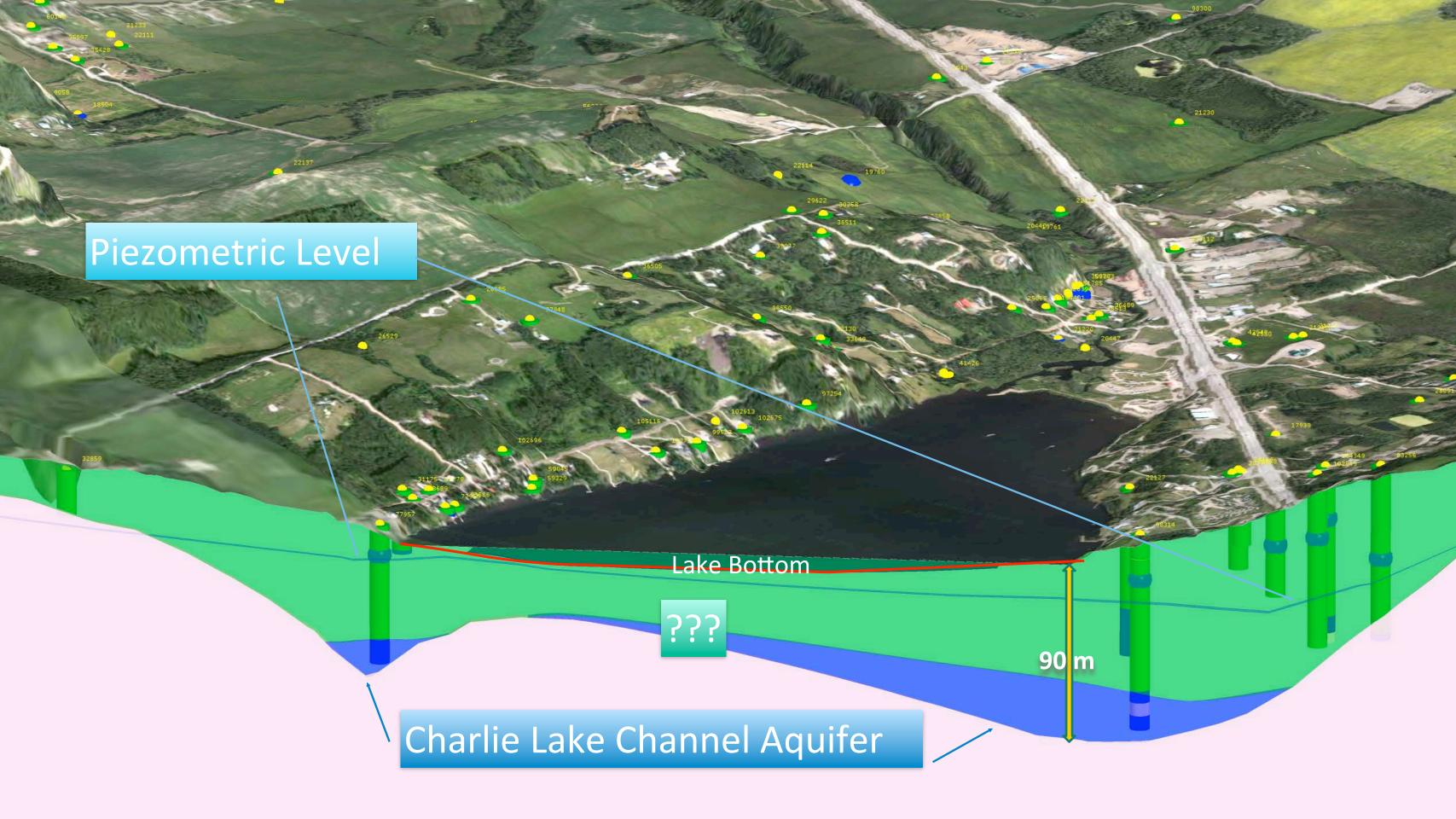


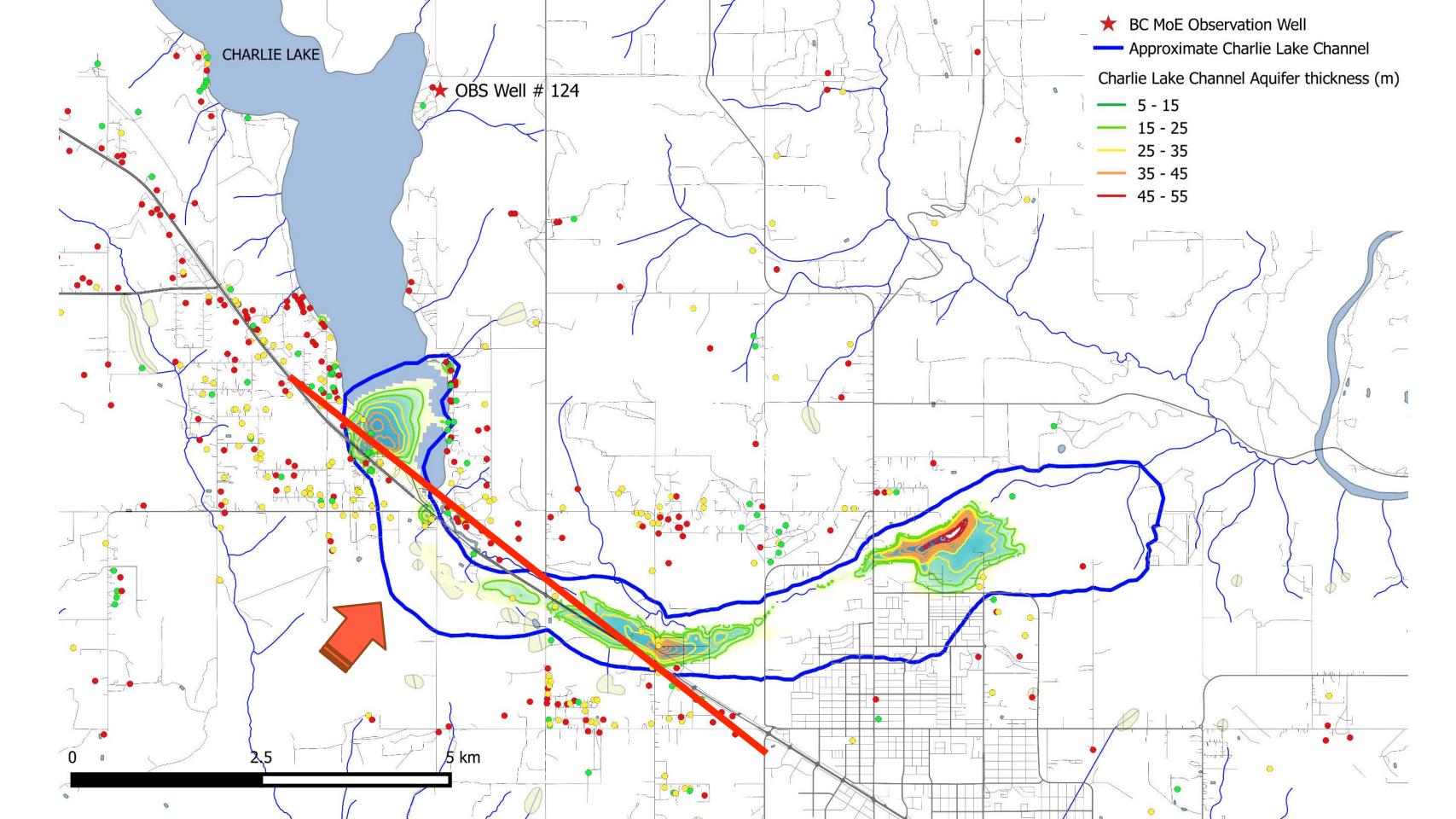


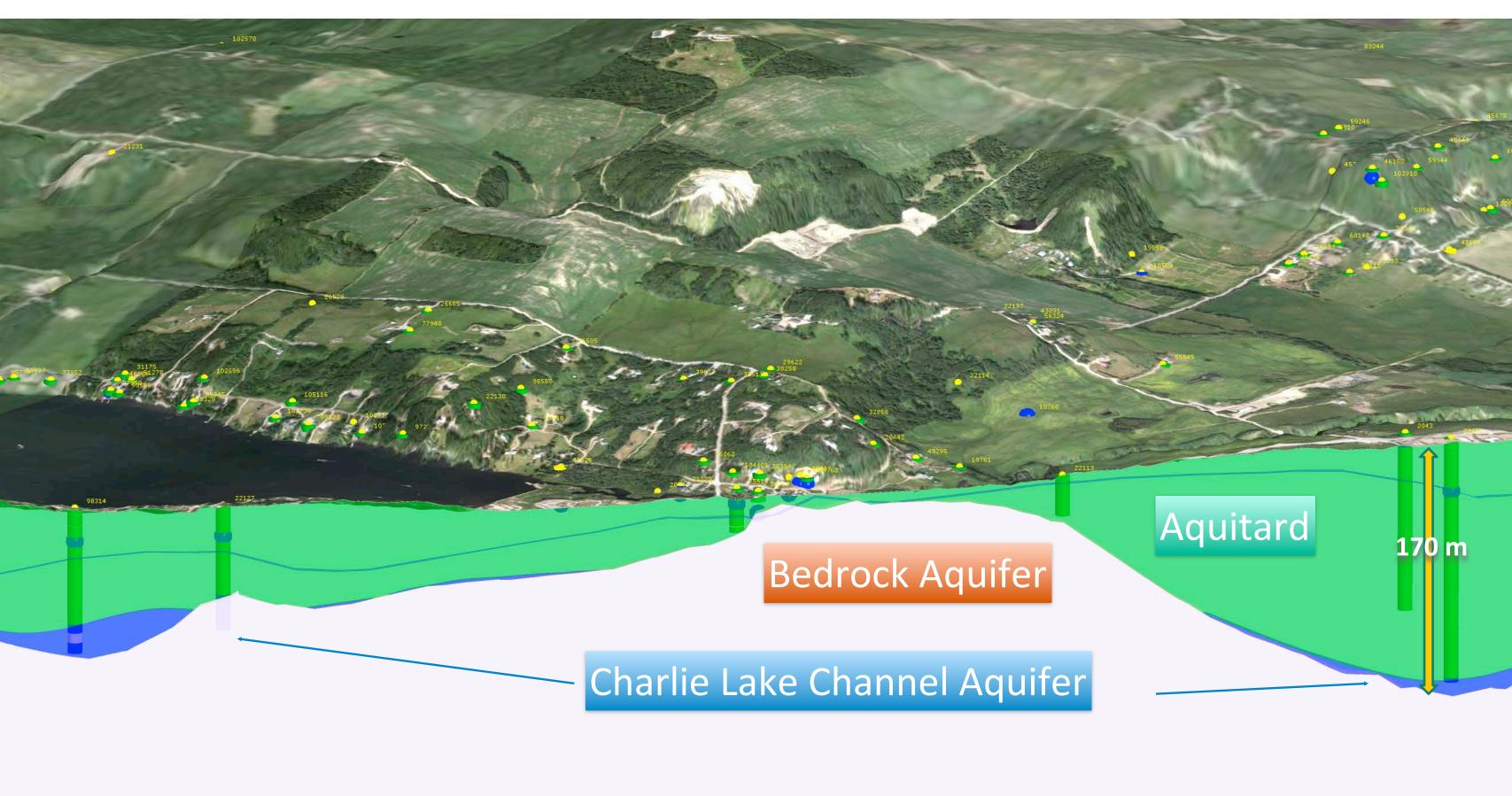


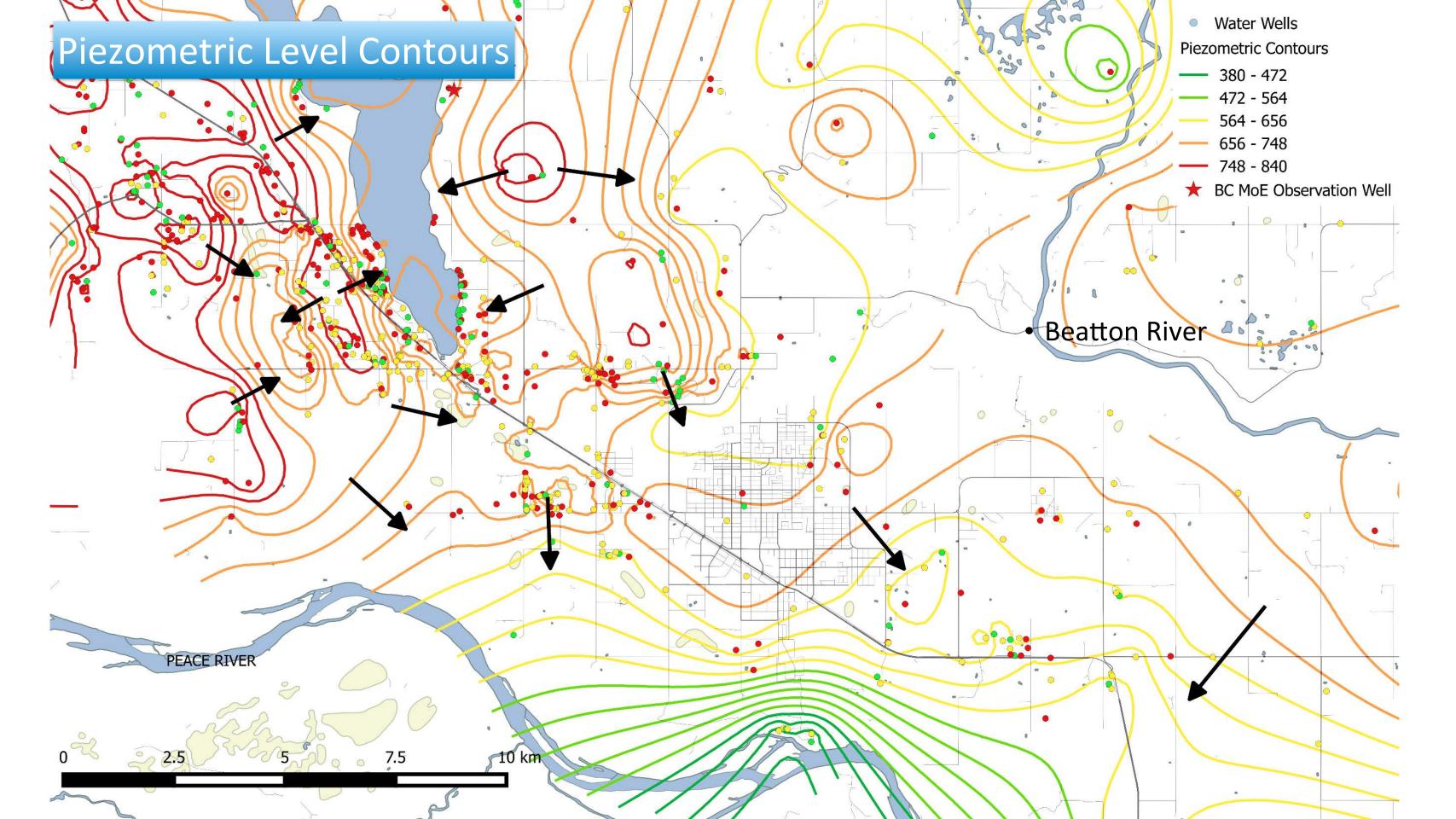




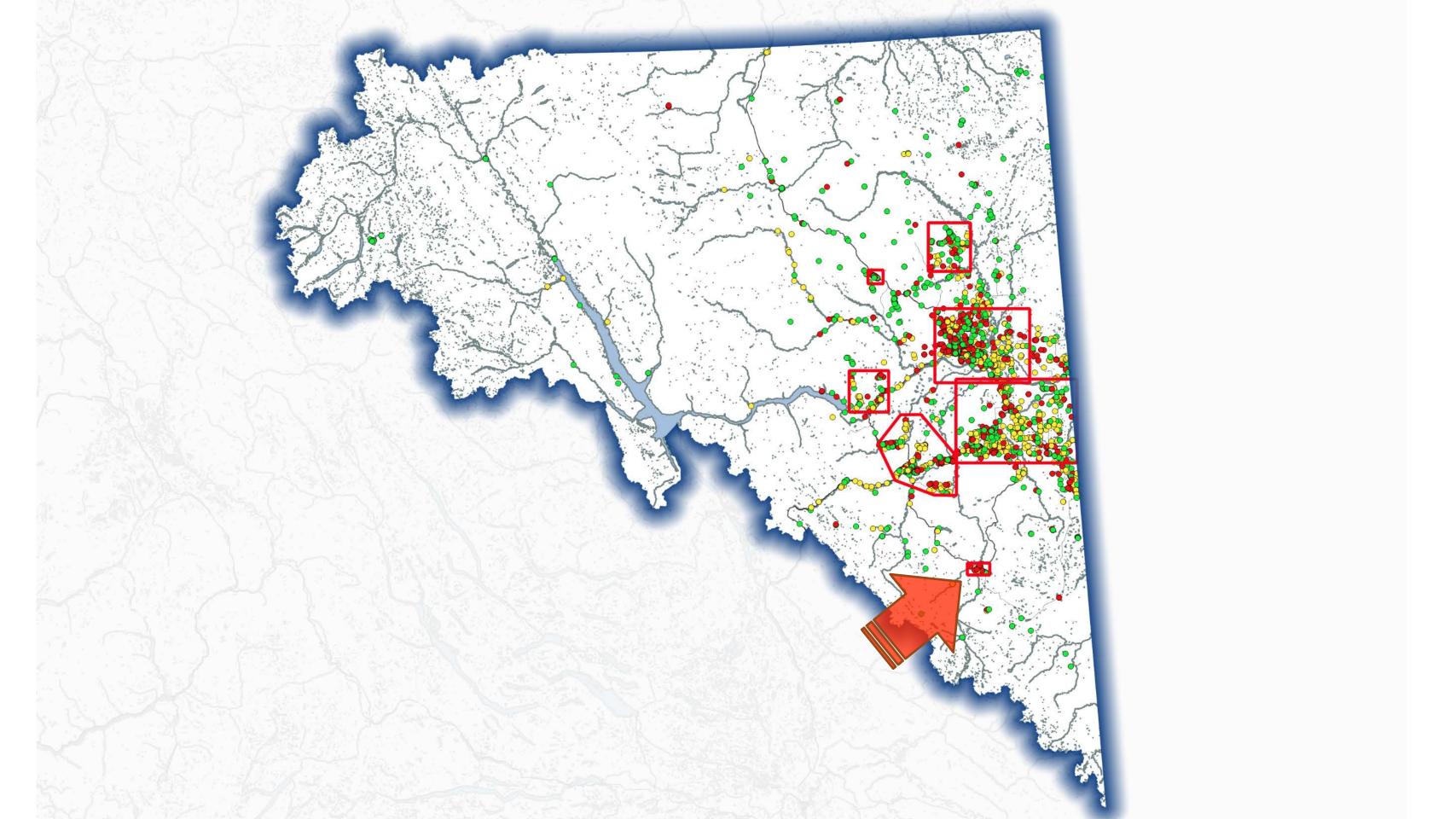




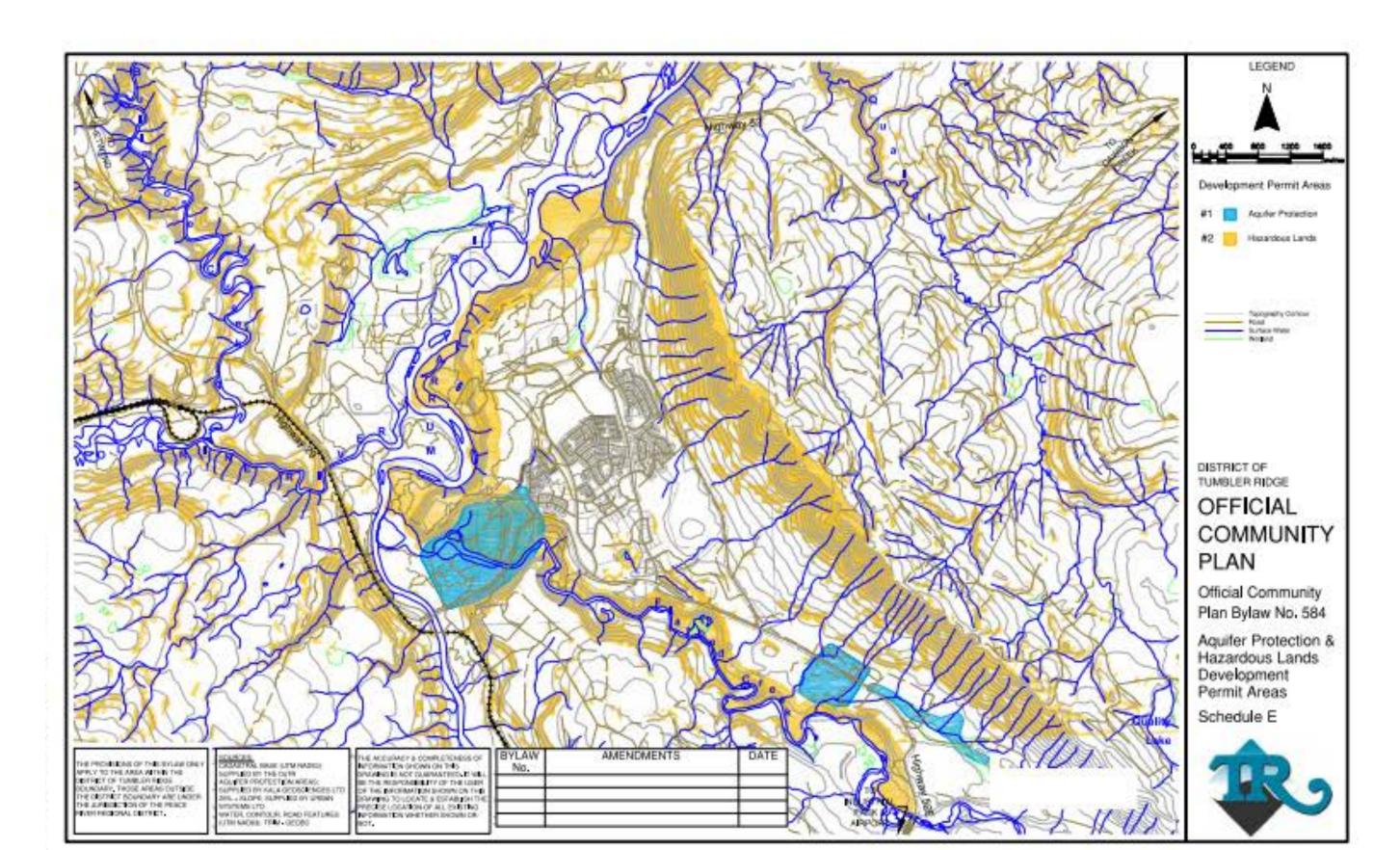


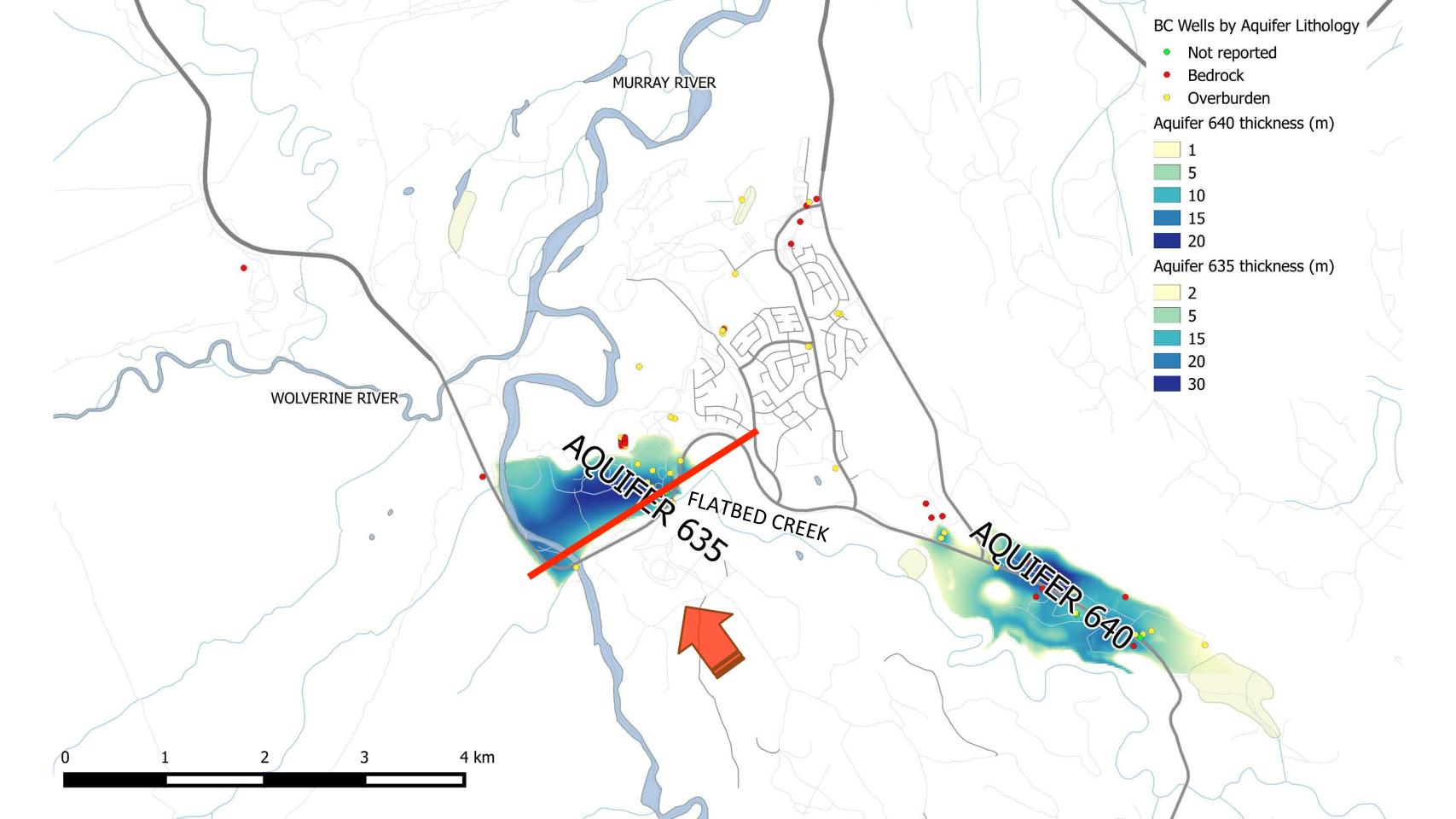


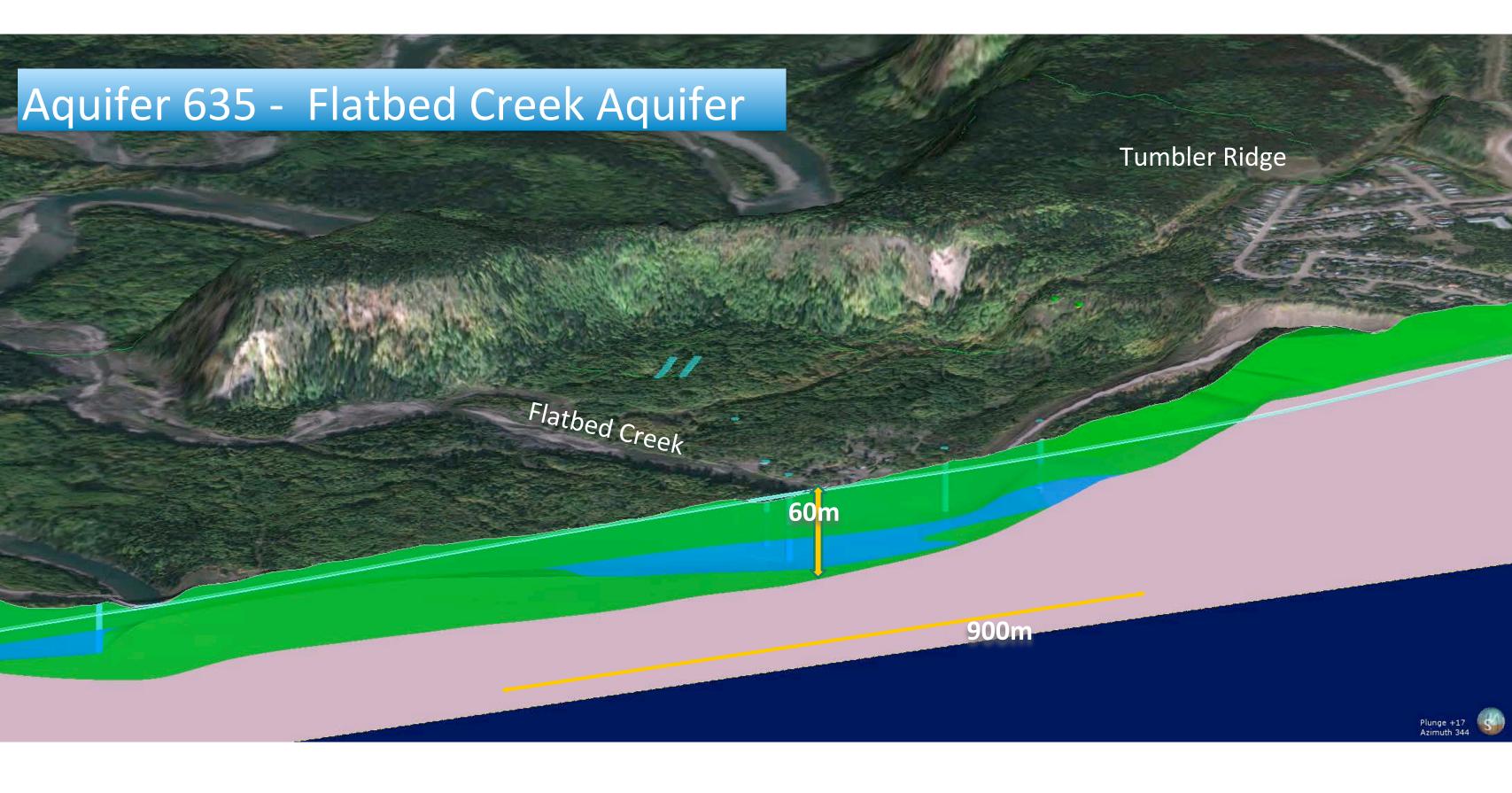


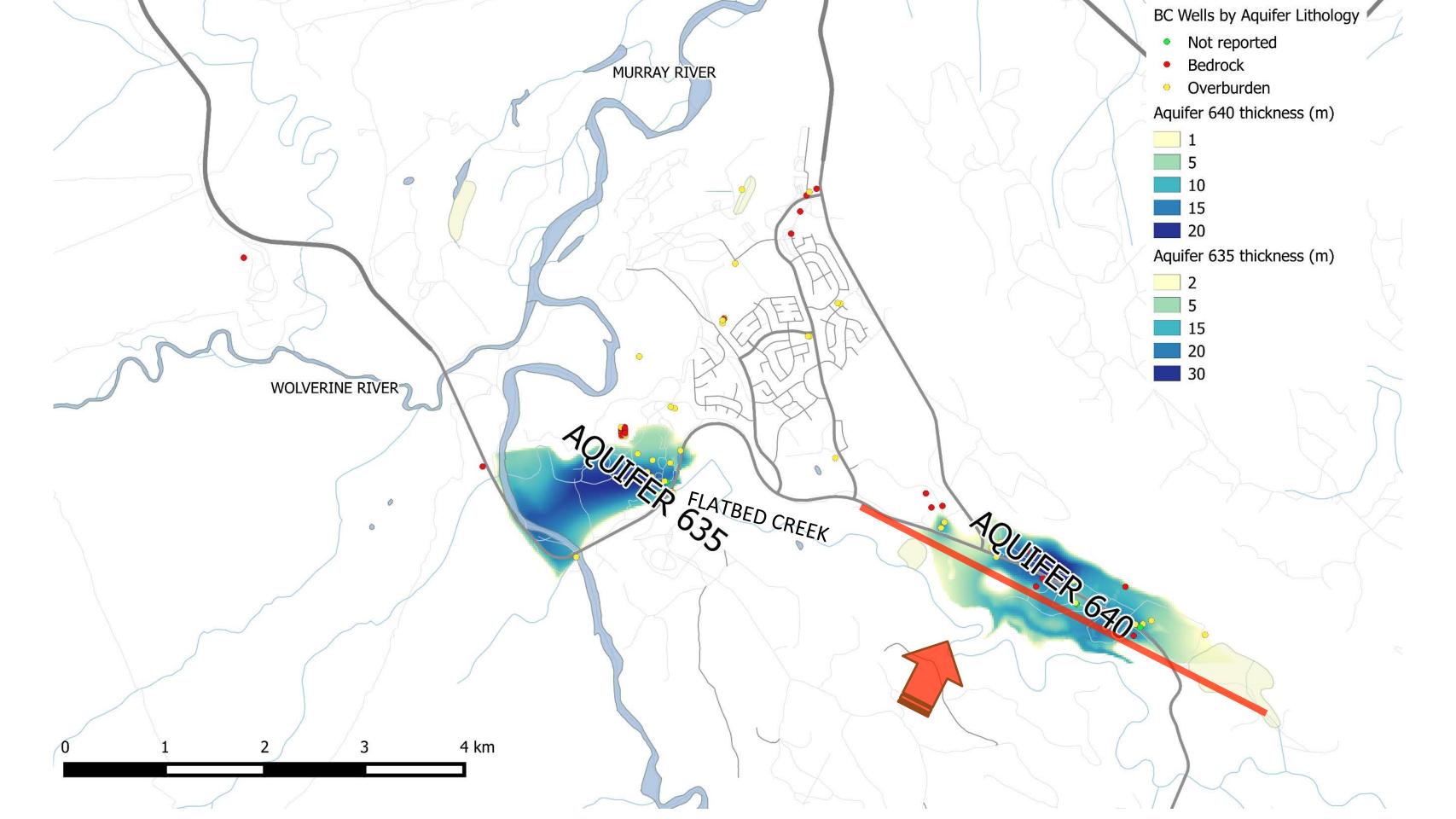


## **Tumbler Ridge Aquifer Protection**

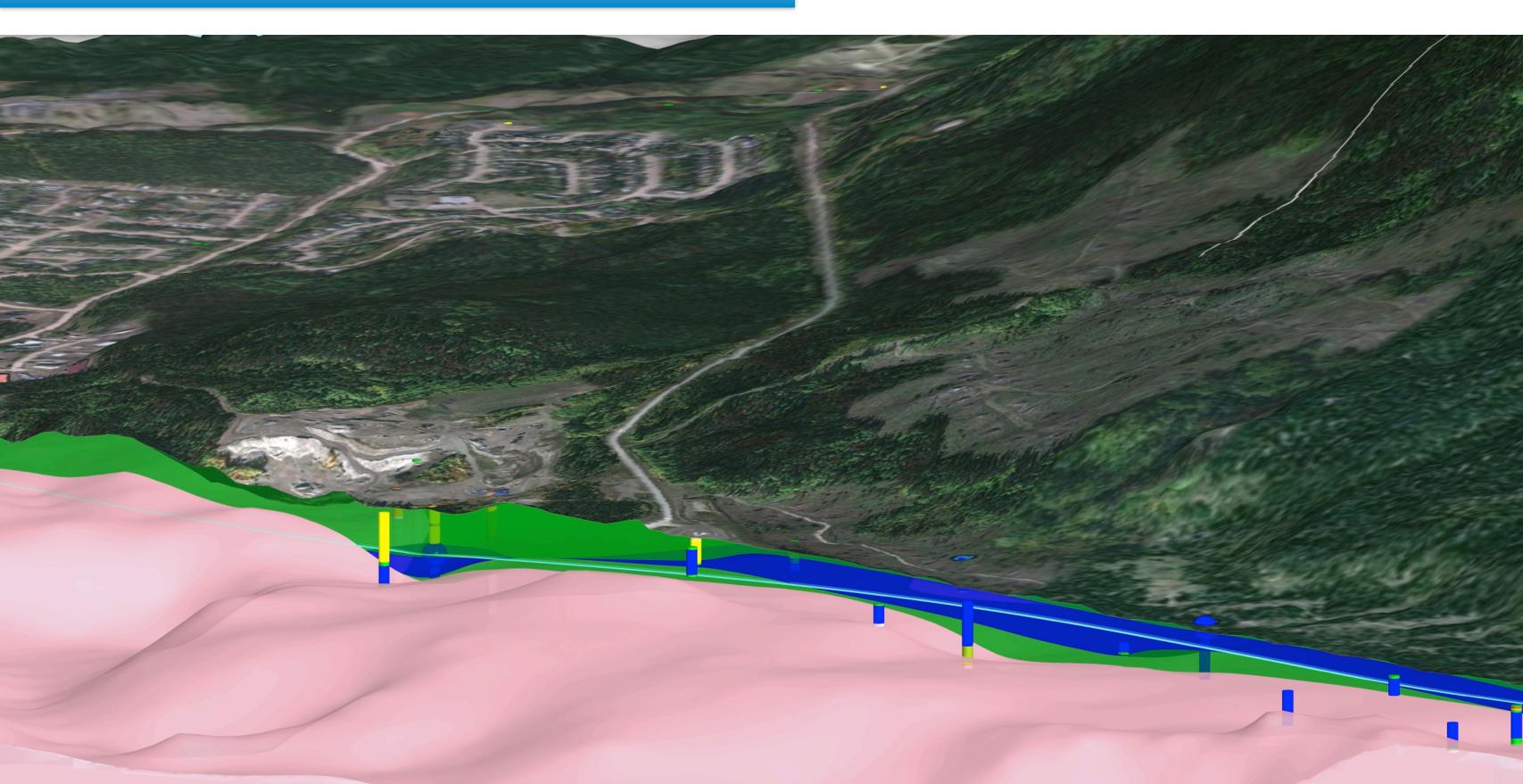


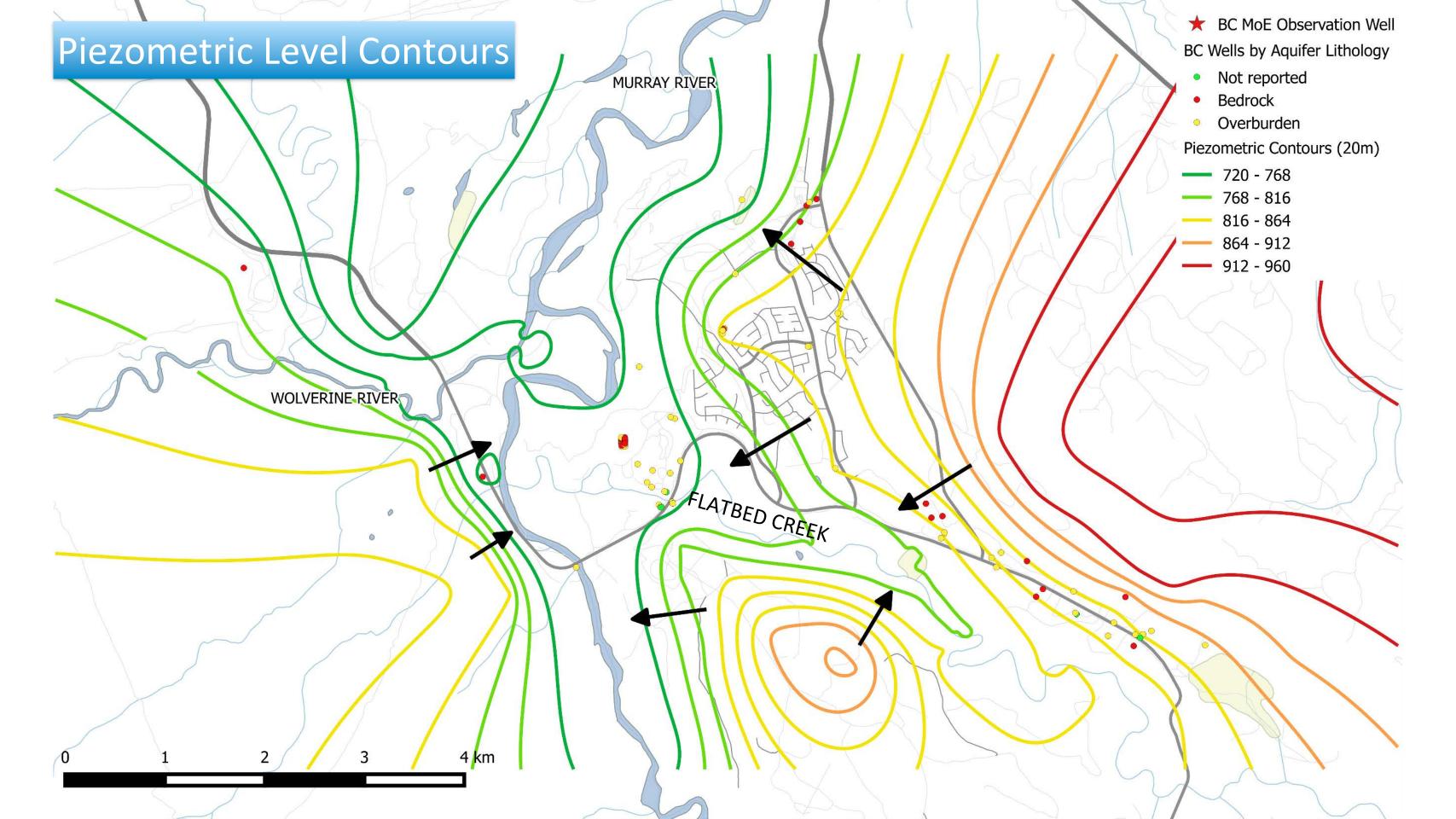






## Aquifer 640 - Tumbler Ridge Aquifer





## Work in progress

- South-Peace / Lower Kiskatinaw / Groundbirch in partnership with FLNRO/MOE/SFU
- o Mapping of bedrock aquifers



Thank You