Flathead Valley Deep Aquifer: Geologic Setting and Hydrogeologic Implications

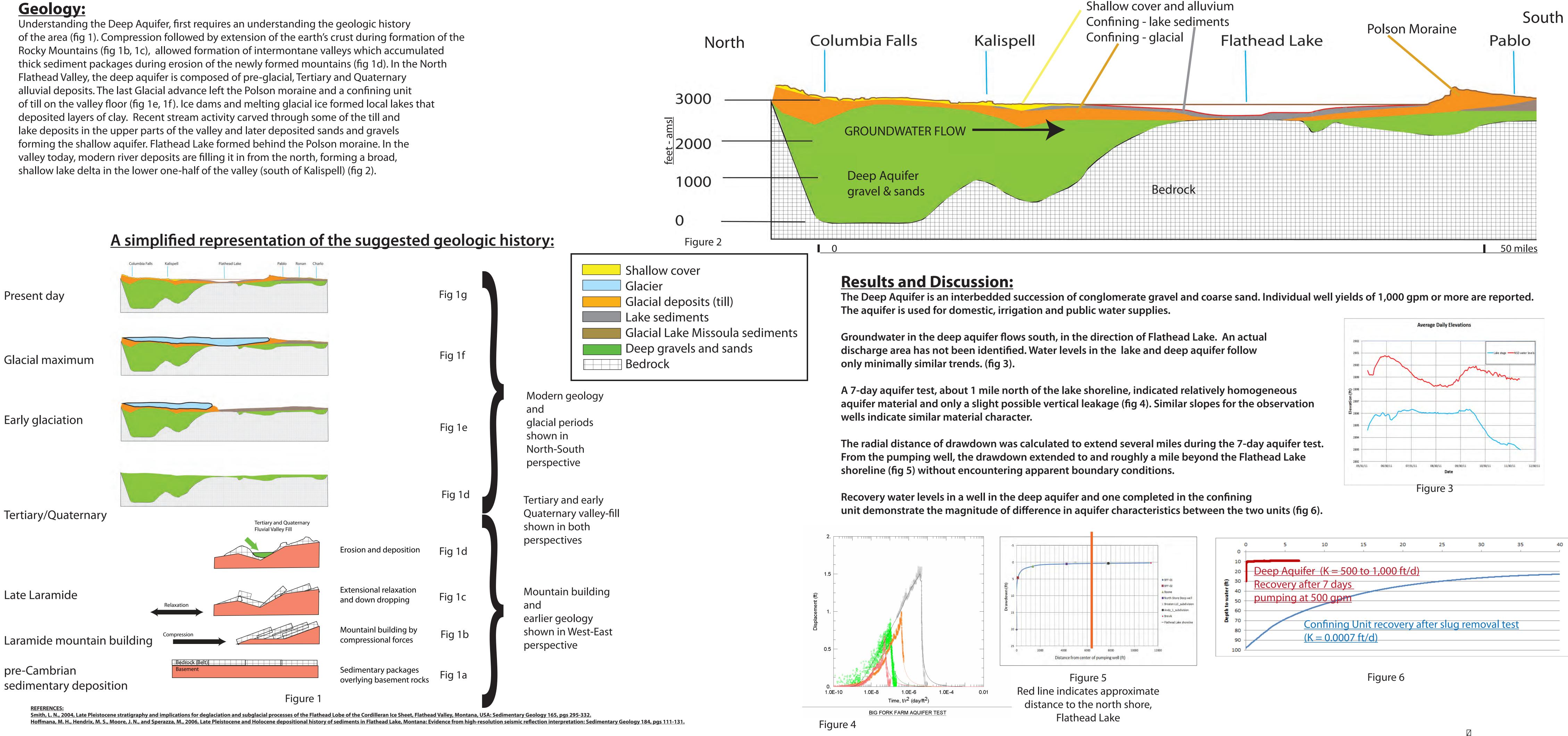
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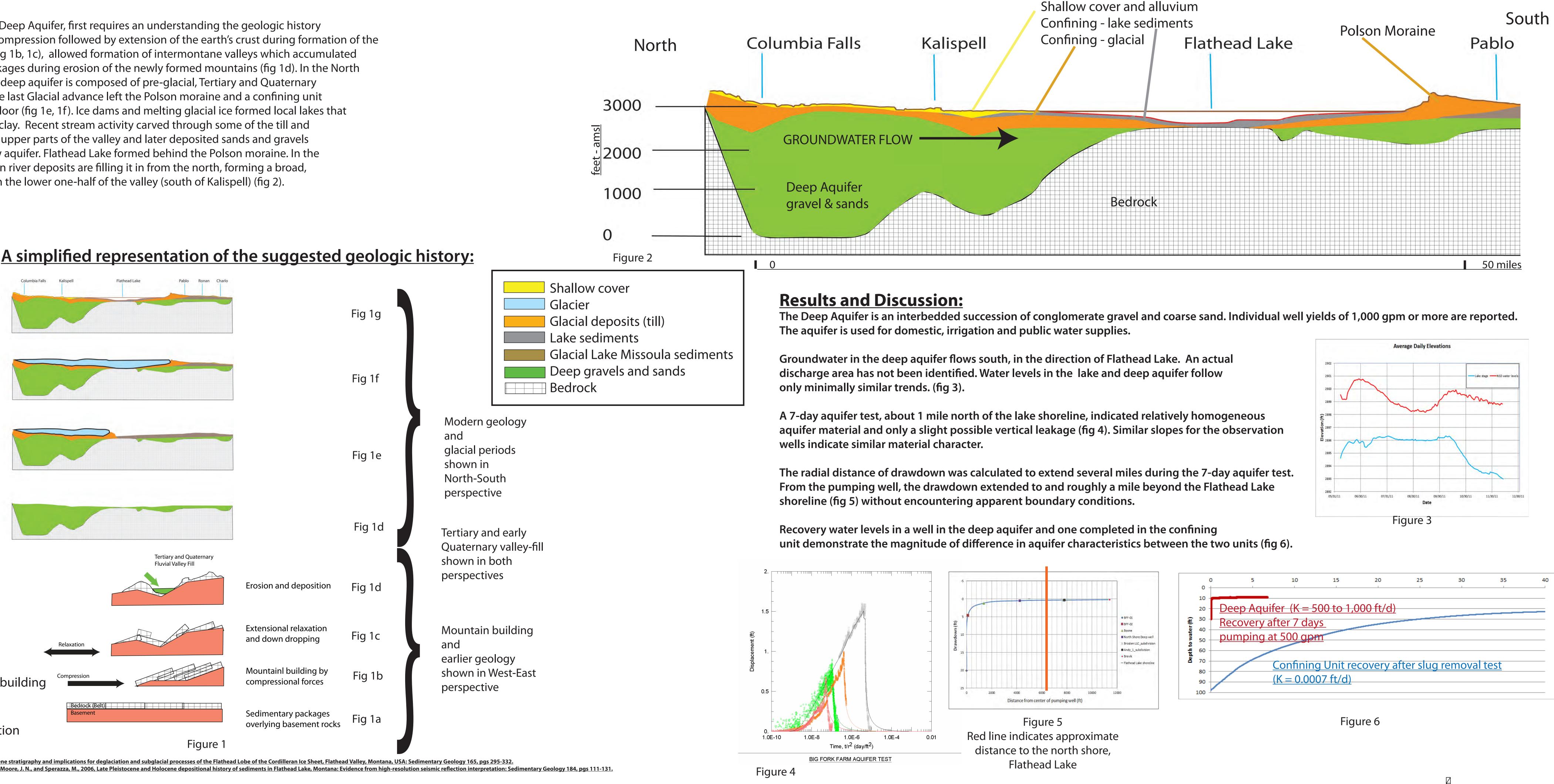
Purpose:

The population in the Flathead Valley has increased by more than 25 percent in the Flathead Valley is the most utilized aquifer in the valley, supplying high-capacity municipal and irrigation wells in addition to thousands of domestic wells. Continued growth and localized water-level declines in the deep aquifer have raised concerns about the long-term sustainability of the water resources.

Question:

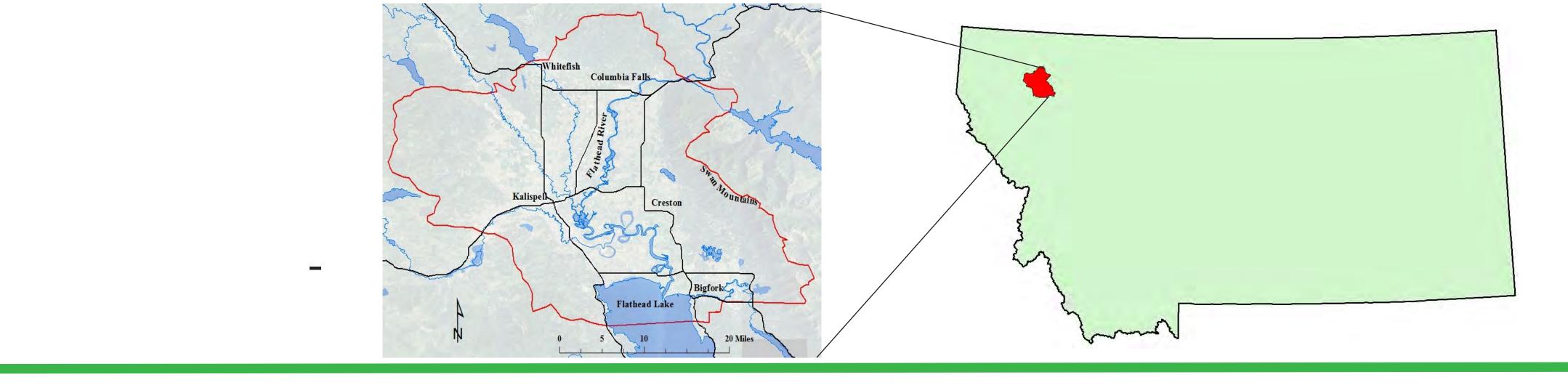
The Deep Aquifer is generally overlain by a tight confining unit is the primary research question of this project. Does the confining unit separate the Deep Aquifer from surfacewater bodies? Within that question is the concern that natural discharge from the Deep Aquifer is to Flathead Lake and that development of high-yield wells completed in the Deep Aquifer could impact the Lake and Flathead River.

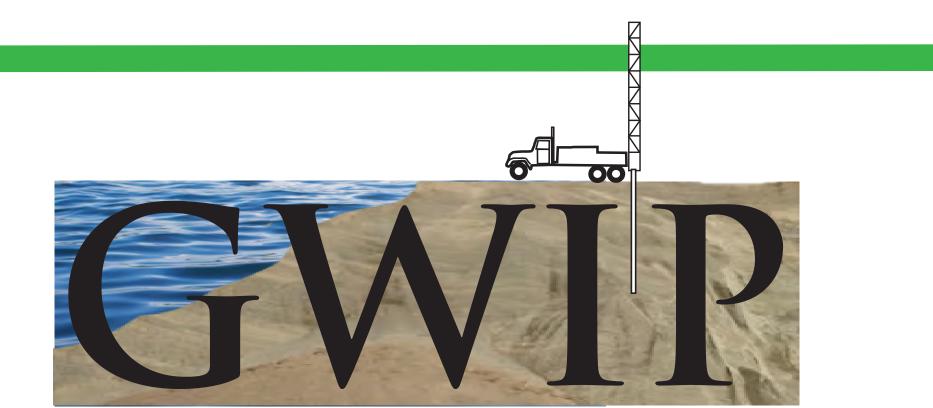






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