

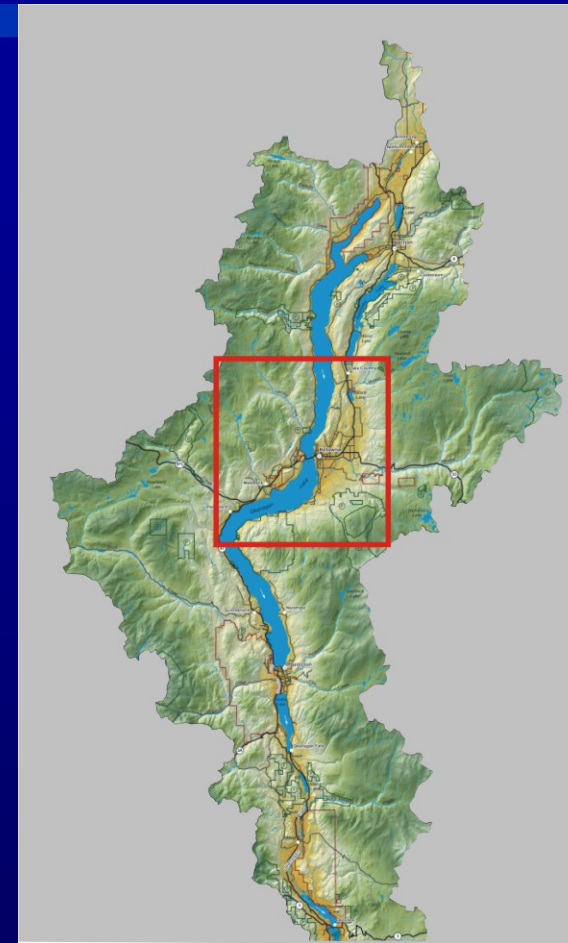
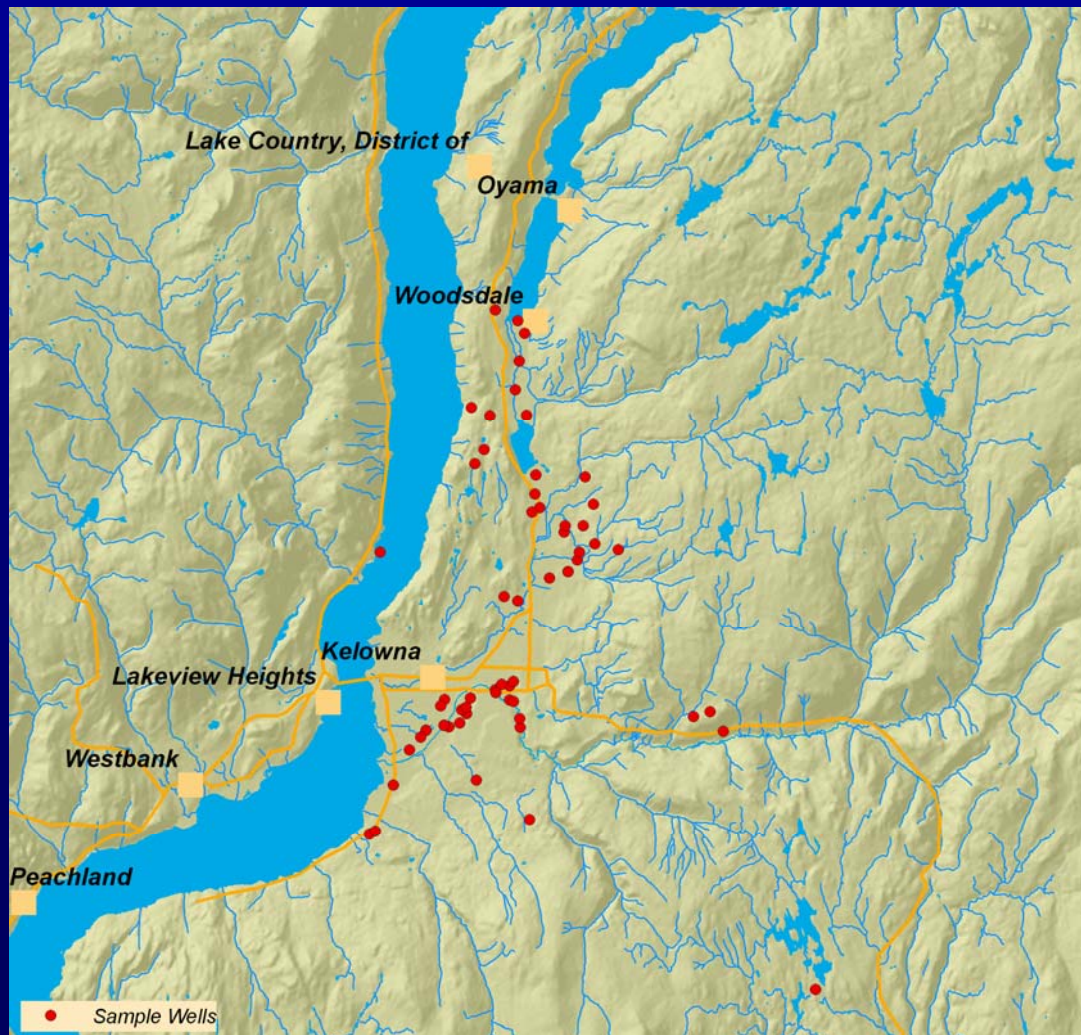
# Central Okanagan Groundwater Research



# Participants

- GSC
- BC Ministry of Environment
- UBC Okanagan
- SFU
- SFX
- Local stakeholder groups

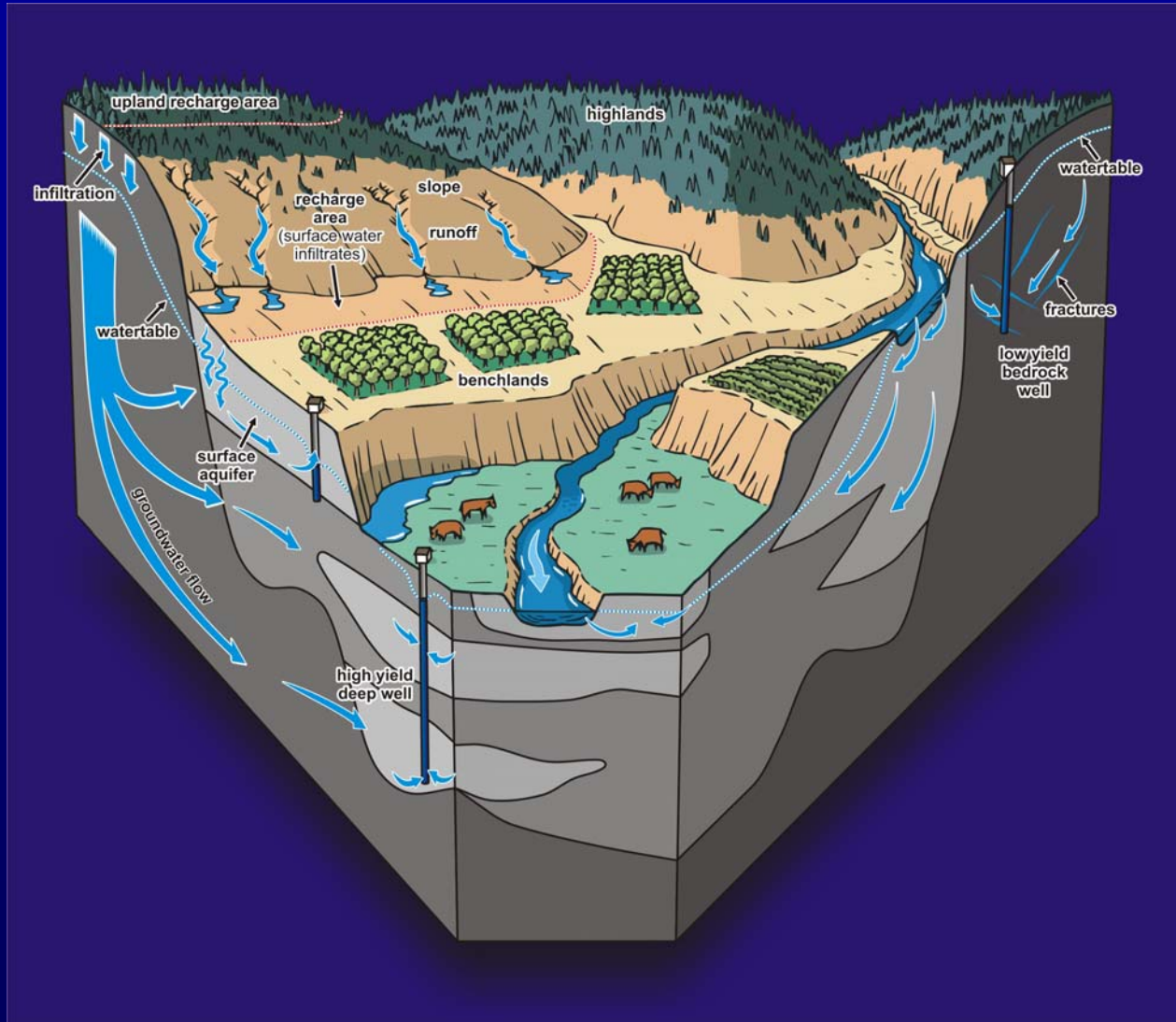
# Study Area



# Goals

- An assessment of groundwater resources
- Develop a geologic model of key aquifers
- Develop numerical models
- Characterize groundwater quality
- Outreach activities for increasing awareness of the groundwater resource
  
- Understand impact of geothermal development

# Hydrogeologic model

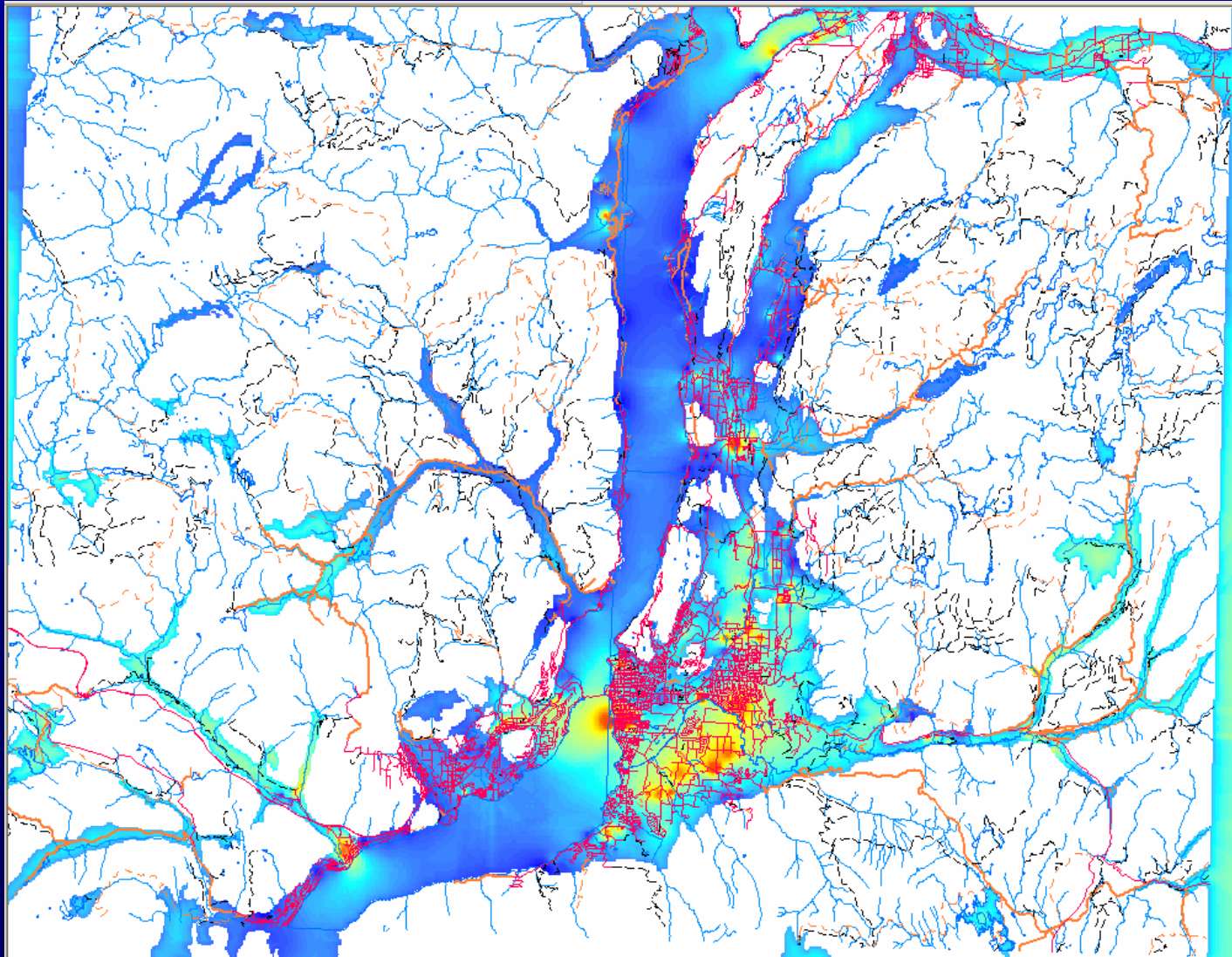


# Work to date

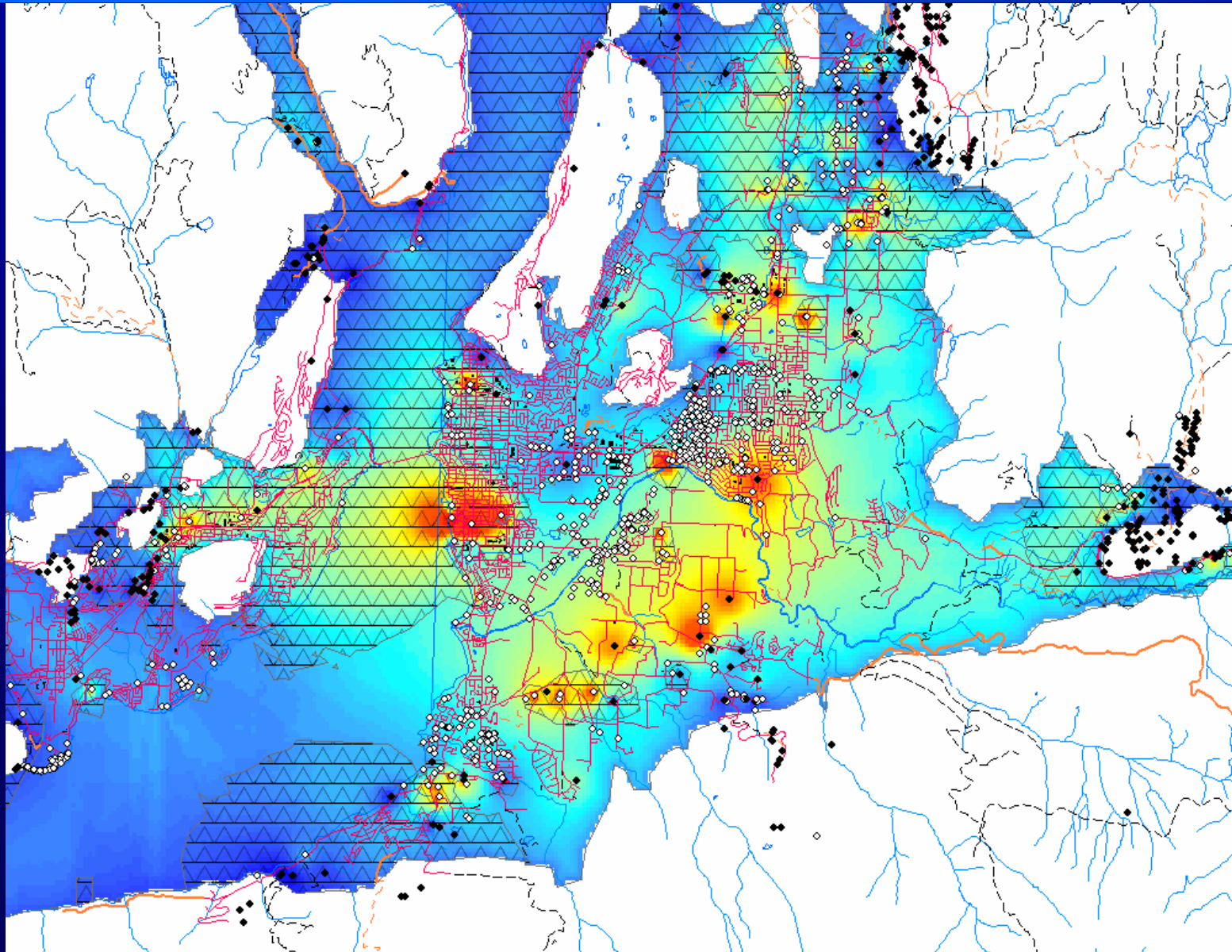
2006

- Initial field investigations
- groundwater sampling
- Geological mapping
- Mapping sediment thickness
- Air photo interpretation
- Geothermal investigations and modeling

# Regional thickness maps

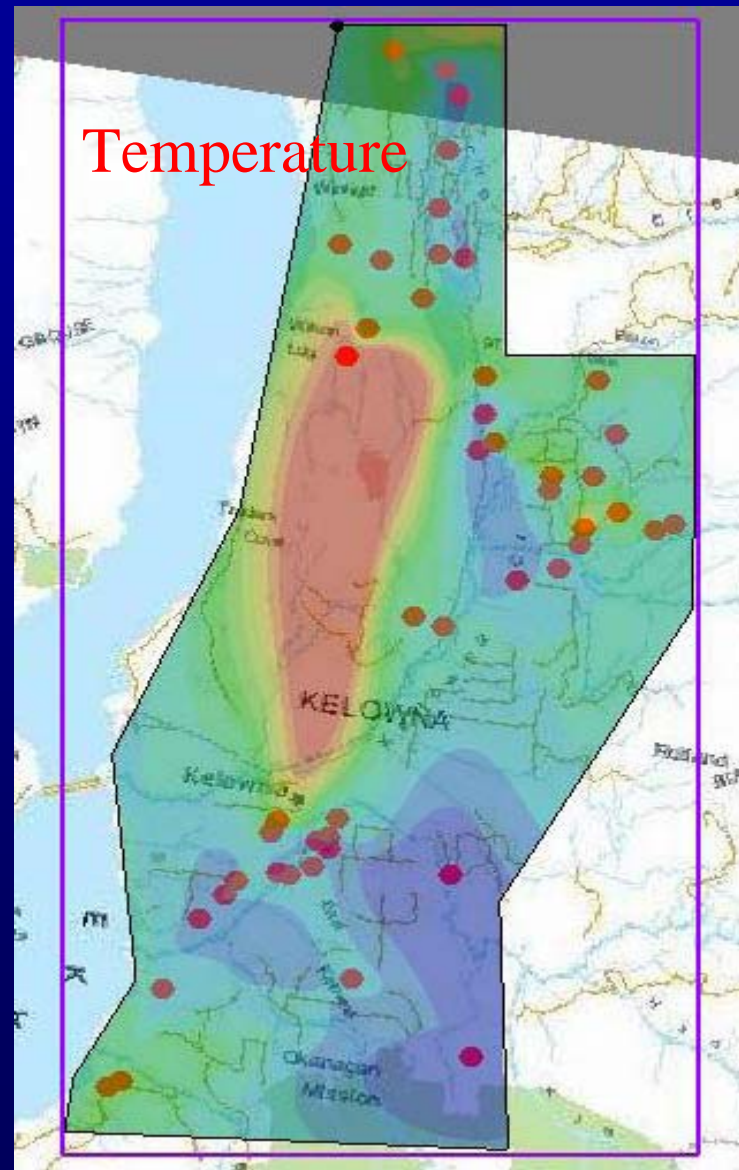
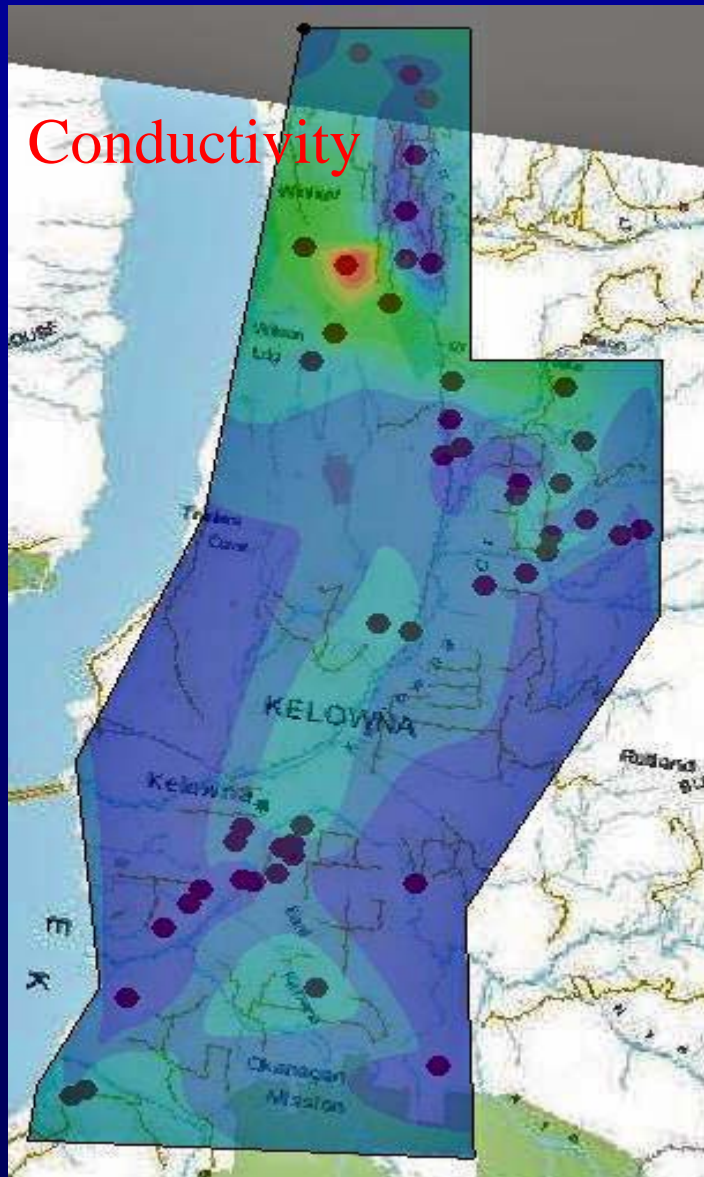


# Kelowna area





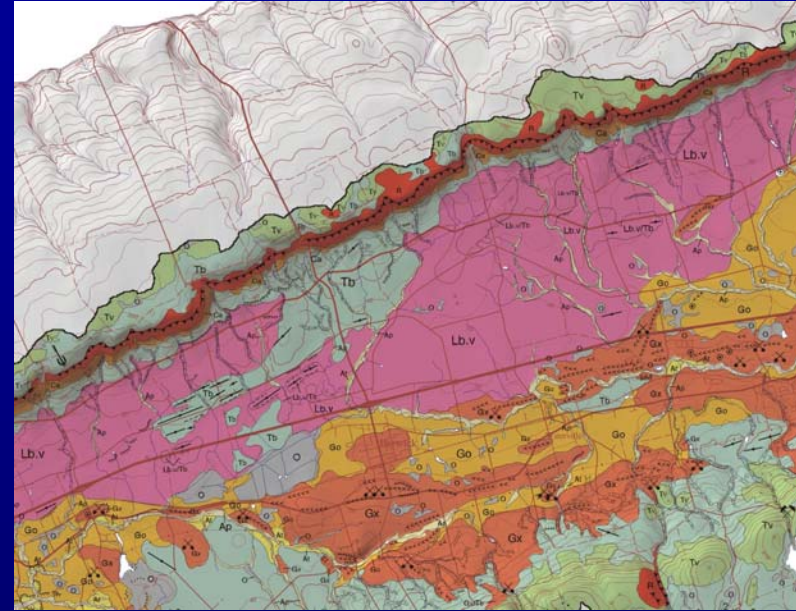
# Water sampling results



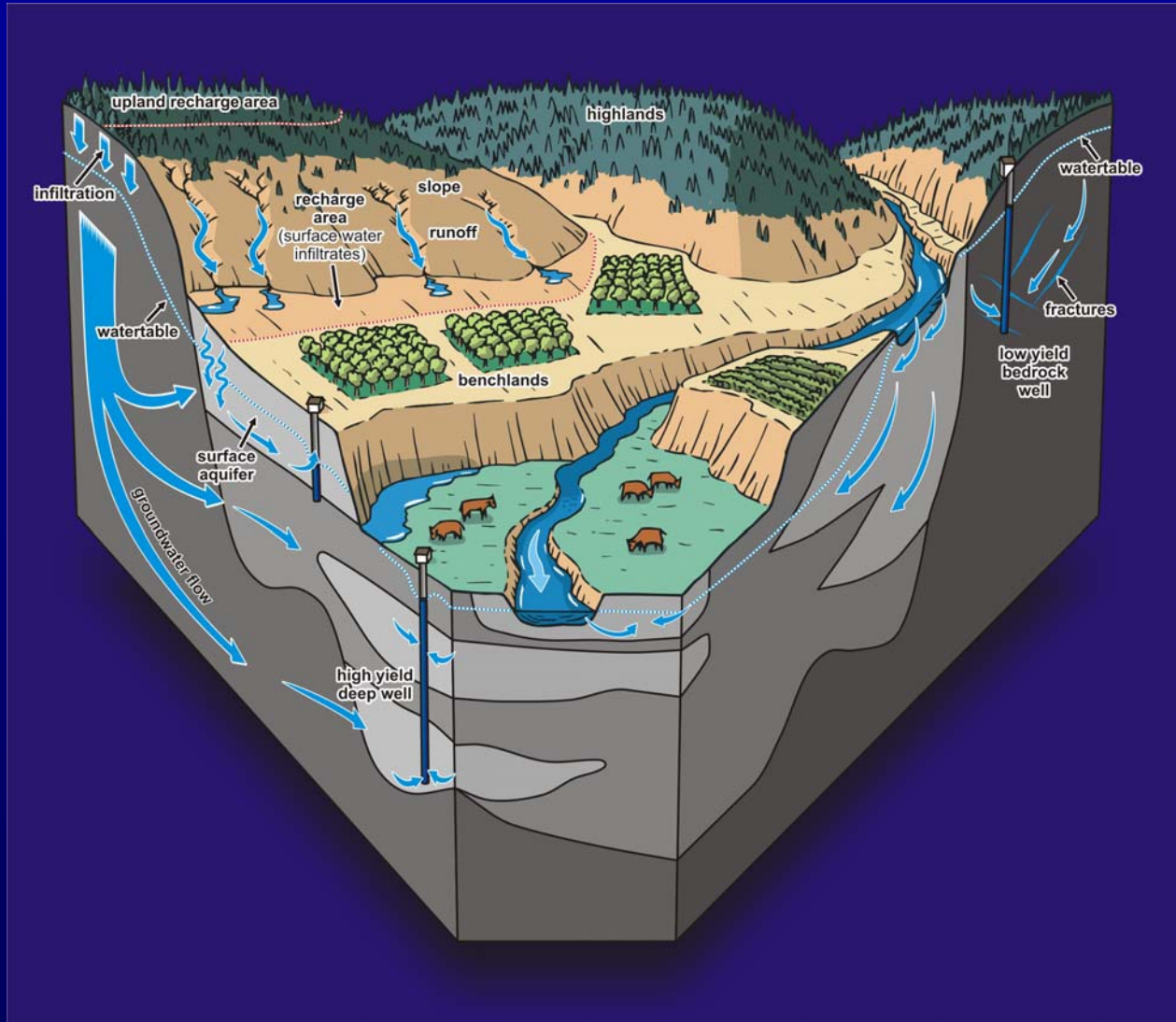
# Future Work Plan

2007

- Geophysical survey
- Field mapping
- Surficial geology maps
- Water sampling
- Development of 3D geologic model



# Hydrogeologic model



# Future Work

2008

- Release of hydrogeologic model and surficial geology maps
- Initial reports on water geochemistry
- Results of geophysical work
- Start of numerical modelling