

# Napa County Comprehensive Groundwater Monitoring Program

*Follow Up Question*



*by*  
**Vicki Kretsinger Grabert**  
**Luhdorff & Scalmanini,**  
**Consulting Engineers**

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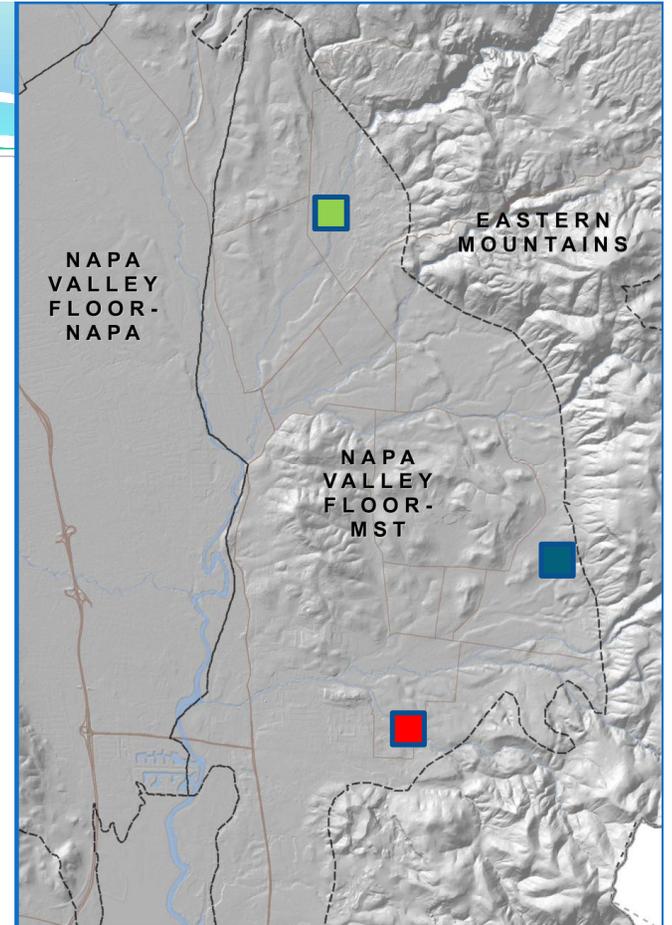
# Overview

- **MST Groundwater Conditions**
  - **GW Level Trends**  
(examples selected wells)
  - **Relationship to Subsurface Geology**

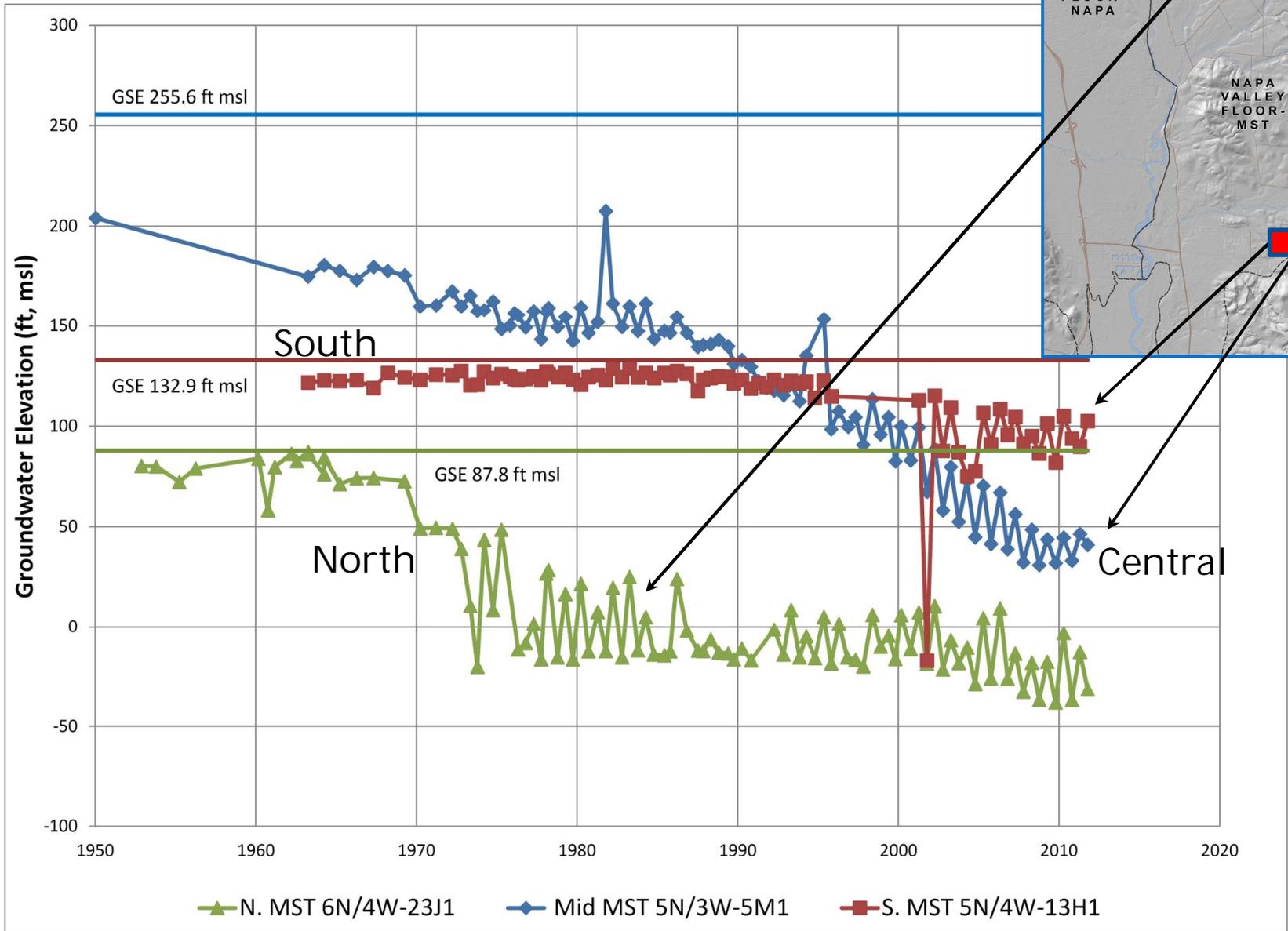


# Napa Valley Floor – MST Subarea

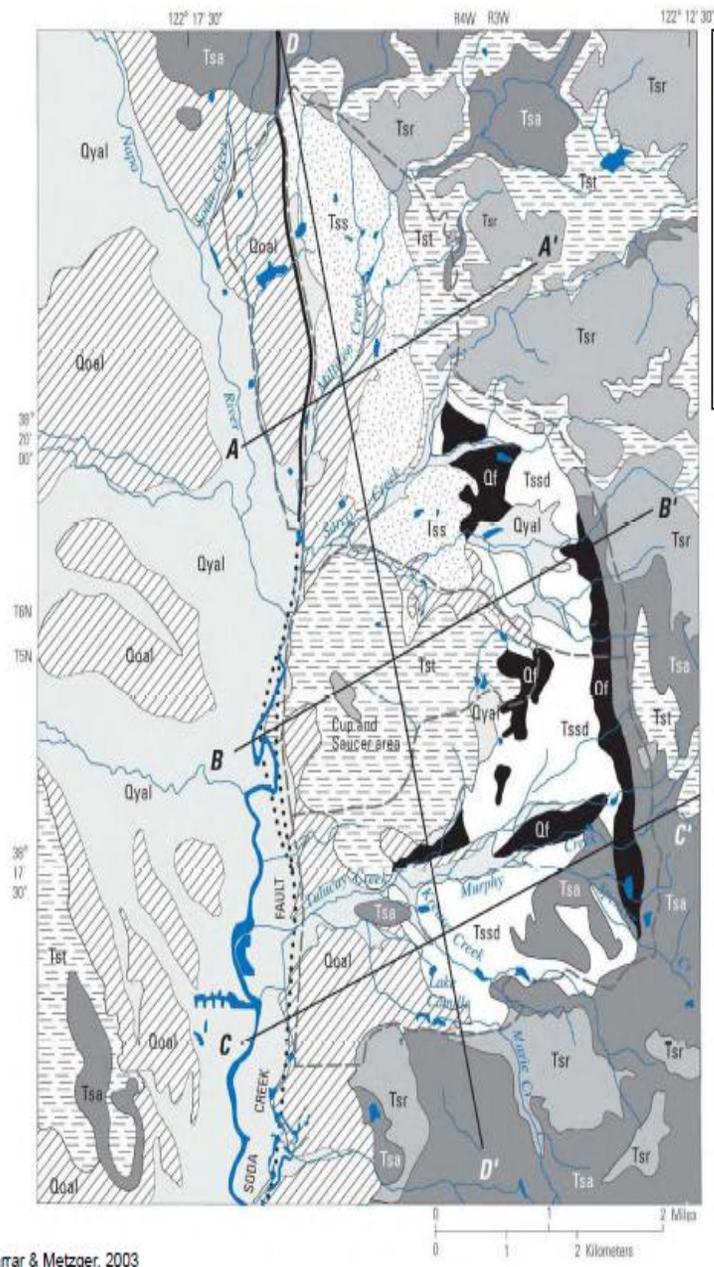
- **Northern Area**
  - Decline in Late 1960s to 1970s, then Stable
- **Central Area**
  - General Long-Term Decline; Increase in Decline from 1990s to 2000s; More recently, levels stabilizing
- **Southern Area**
  - Shallow Depth to Groundwater; Historical Stable Trends; Decline mid 1990s to 2000s; More recently, levels stabilizing



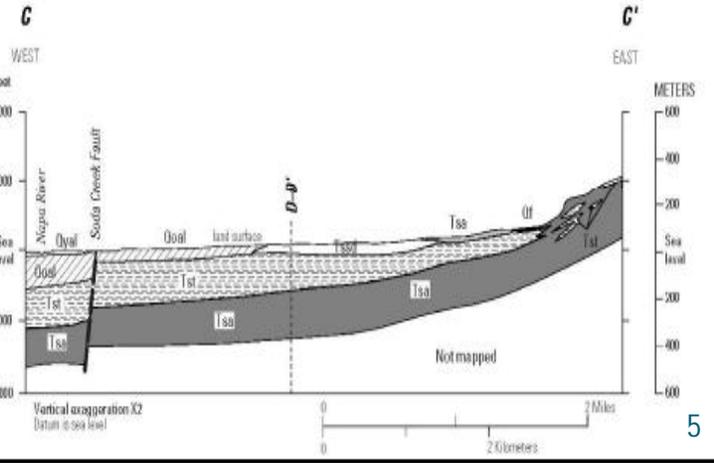
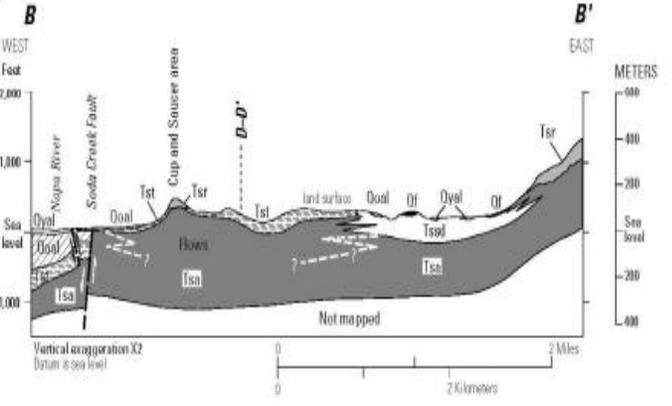
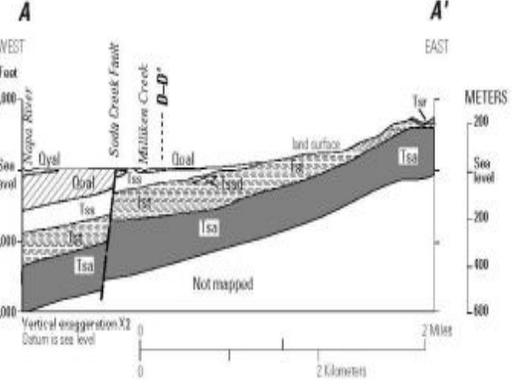
# NVF - MST Subarea

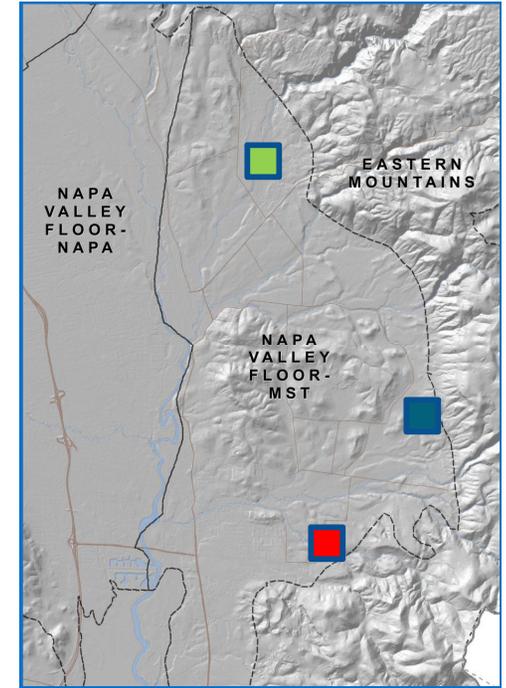
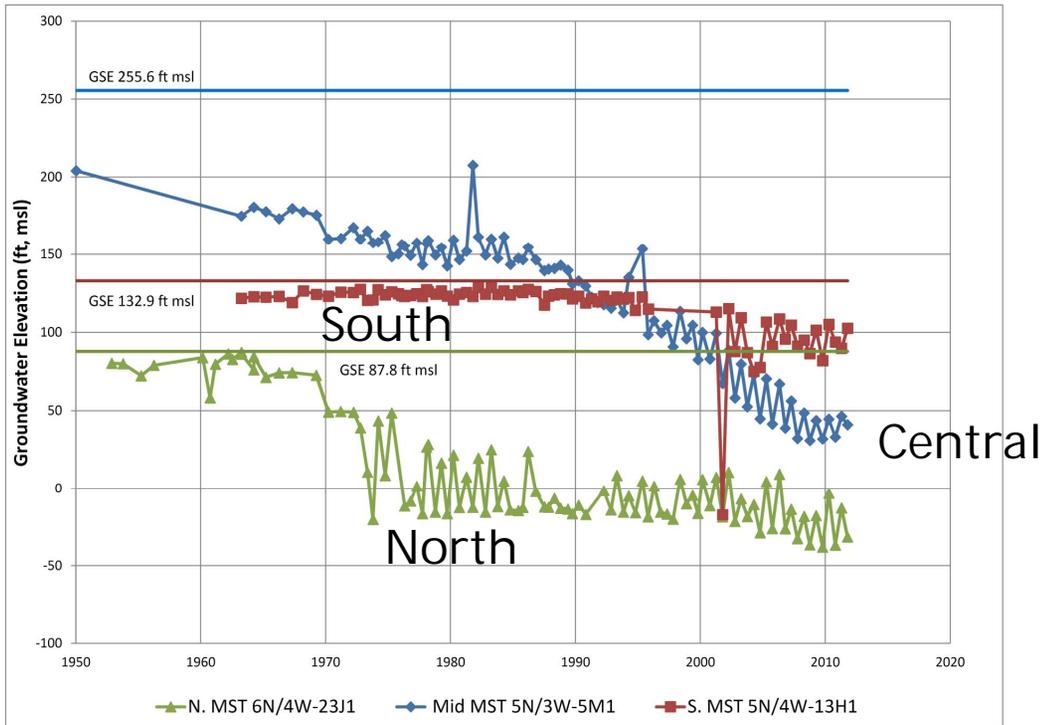


# MST Geology

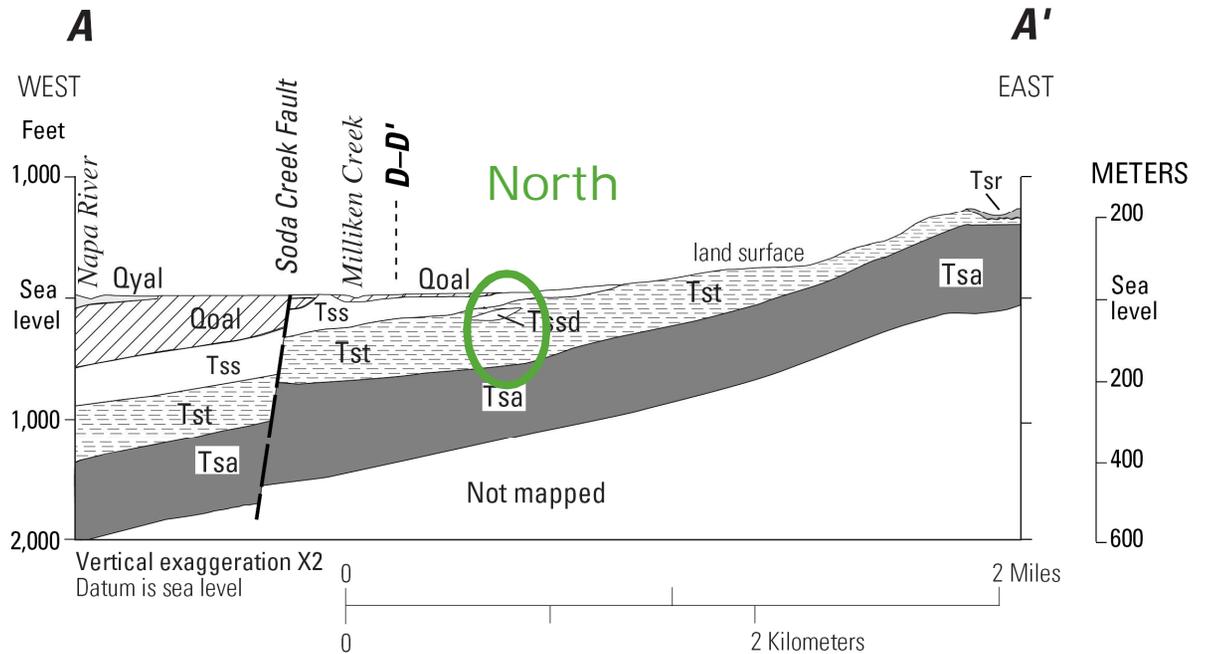


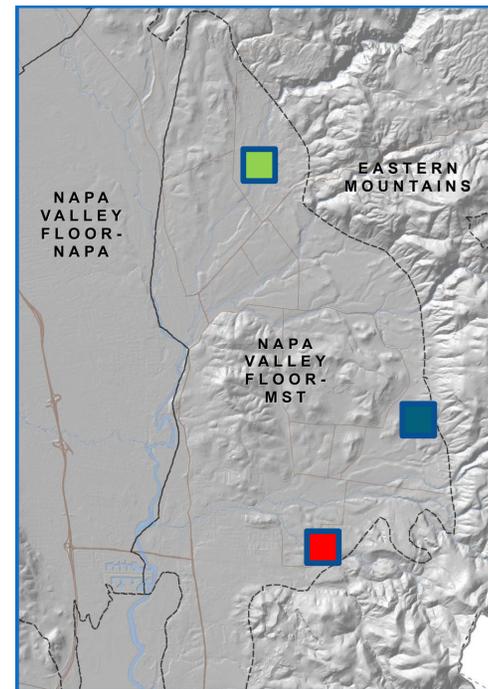
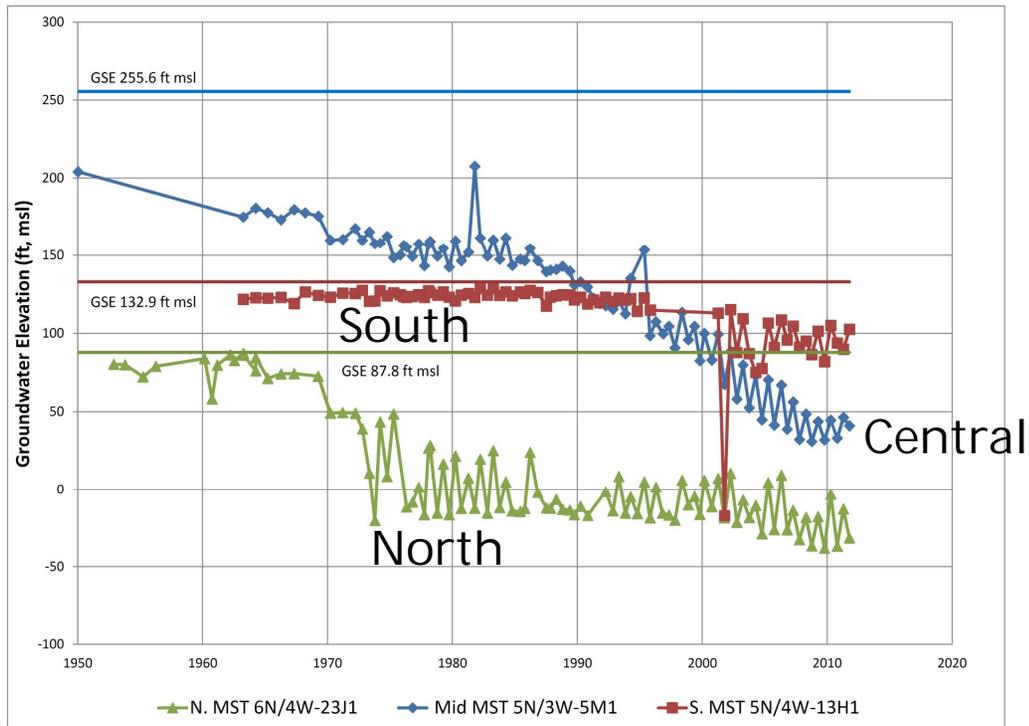
- Geologic Units**
- Qyal - Younger Alluvium (Quaternary)
  - Qoal - Older Alluvium (Quaternary)
  - Qf - Alluvial Fan Deposits (Quaternary)
  - Tsa - Sonoma Volcanics - Andesitic Member (Tertiary)
  - Tsr - Sonoma Volcanics - Ryolitic Member (Tertiary)
  - Tst - Sonoma Volcanics - Tuffaceous Member
  - Tss - Sonoma Volcanics - Sedimentary Deposits (Tertiary)
  - Tssd - Sonoma Volcanics - Diatomaceous Deposits (Tertiary)



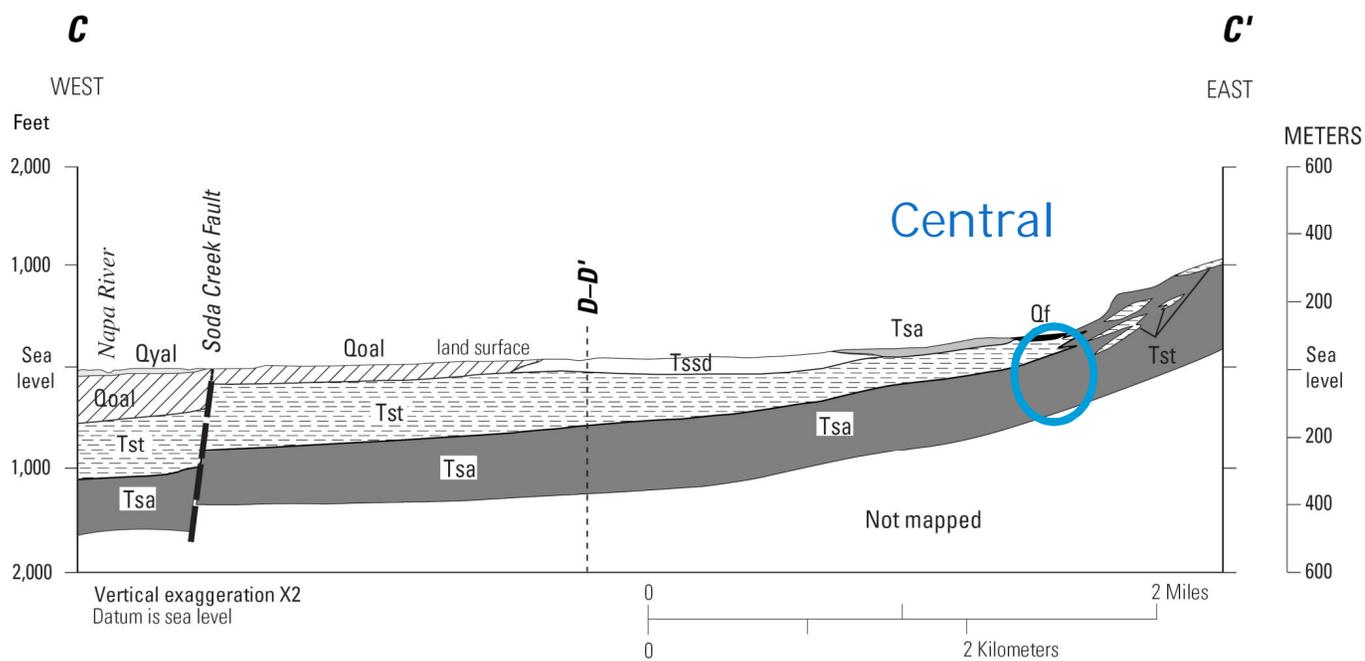


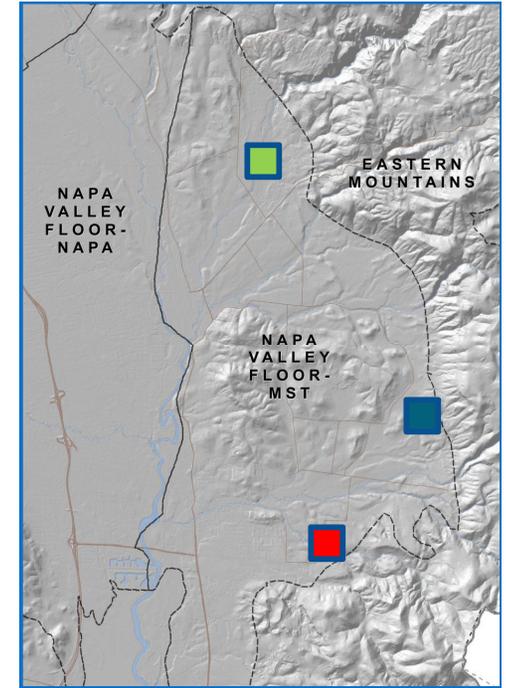
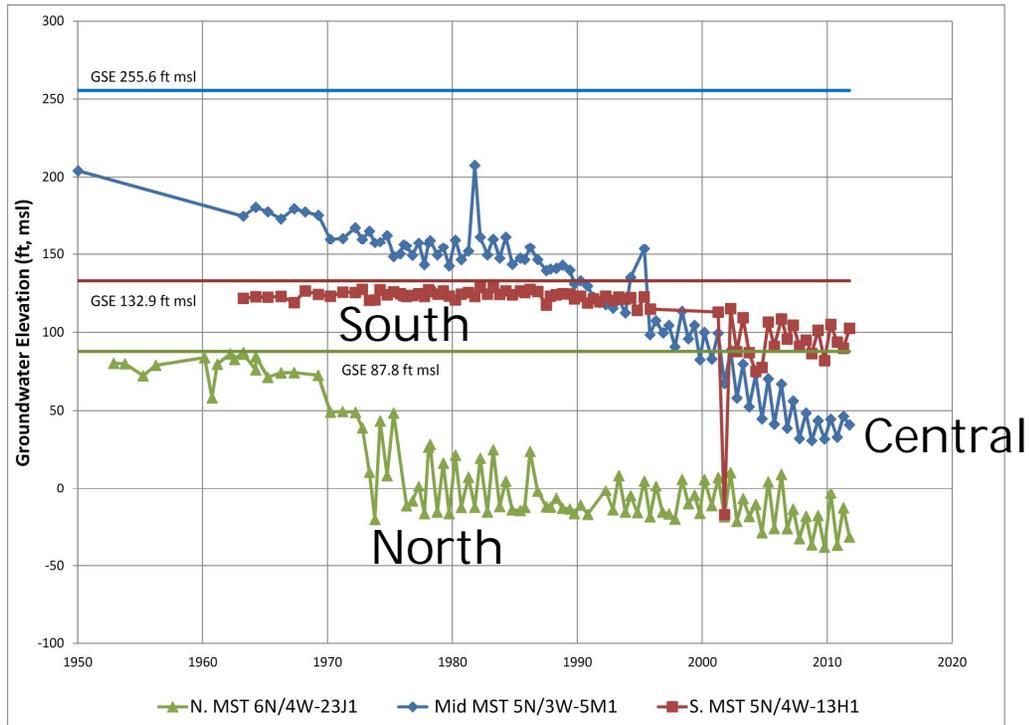
“North” Well  
 Total Depth: 700 ft.  
 Tss, Tst and Tsa (?)



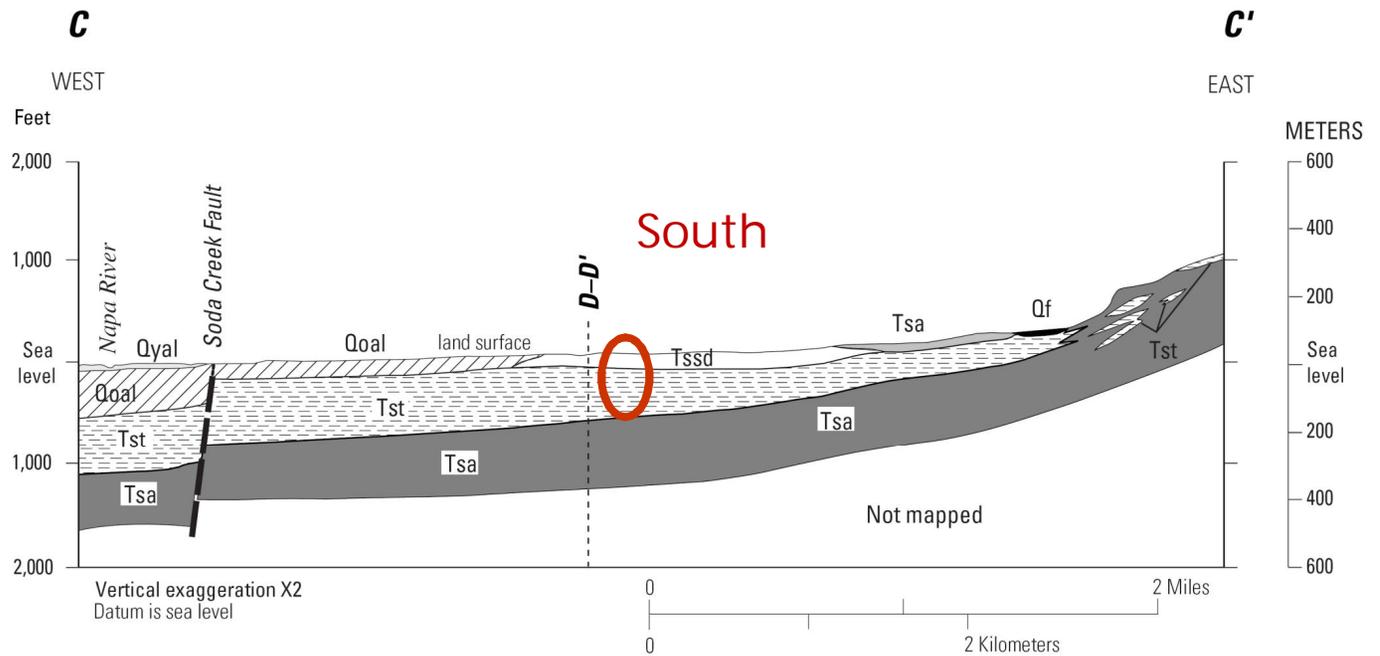


“Central” Well  
Total Depth:  
320 ft.  
Tst and Tsa (?)





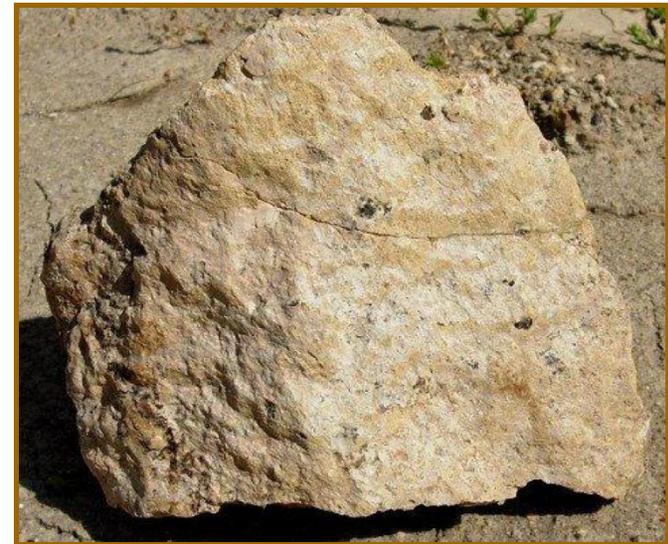
“South” Well  
Total Depth:  
364 ft.  
**Tst (?)**



# Geologic Settings – Selected Wells

## North and South Area Example Hydrographs

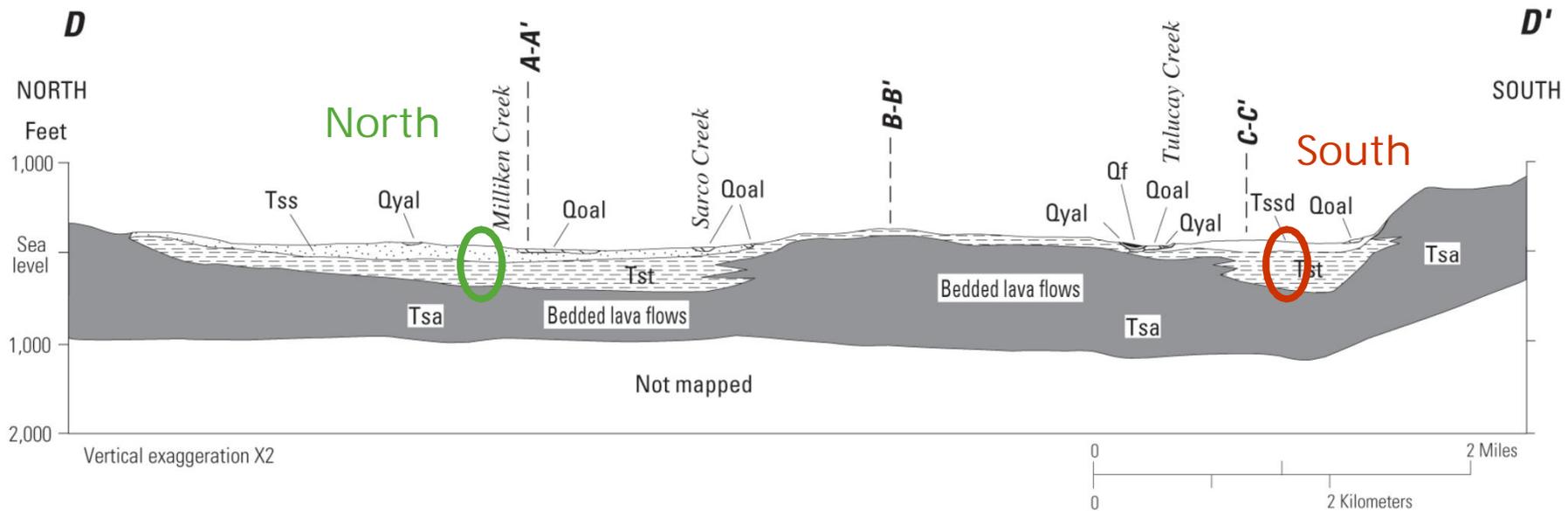
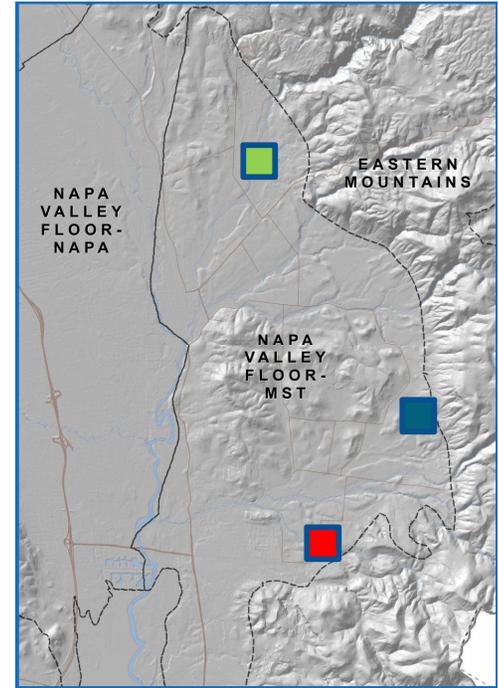
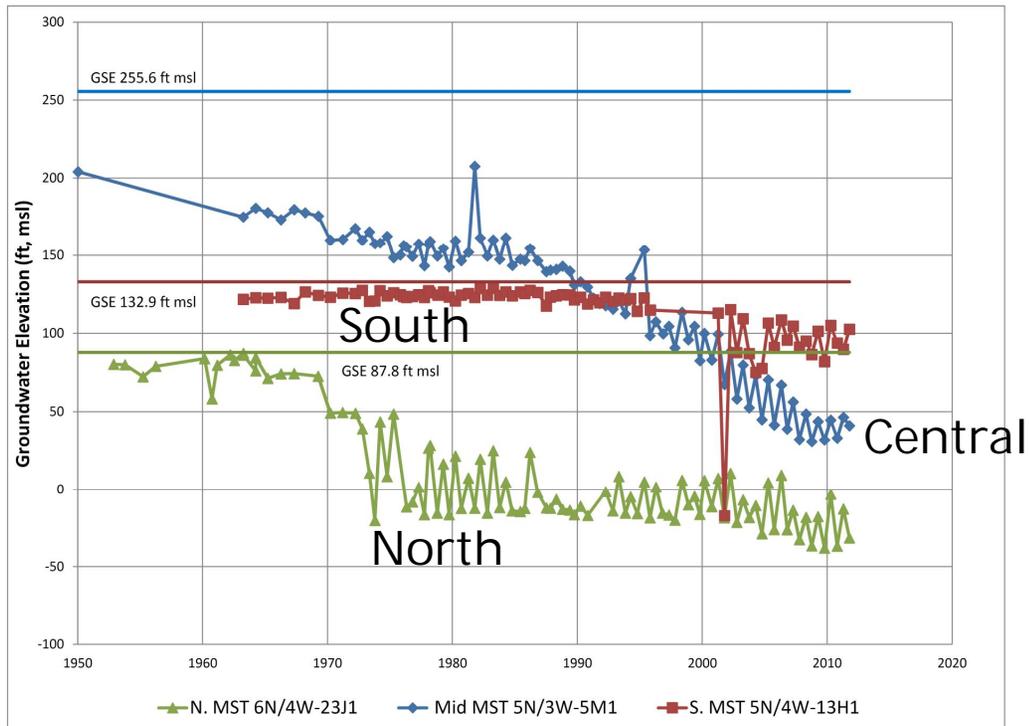
- Wells mostly completed in Sonoma Volcanics, Tuffaceous Member



## Central Area Example Hydrograph

- Well mostly completed in Sonoma Volcanics, Andesitic Member







*Thank You*