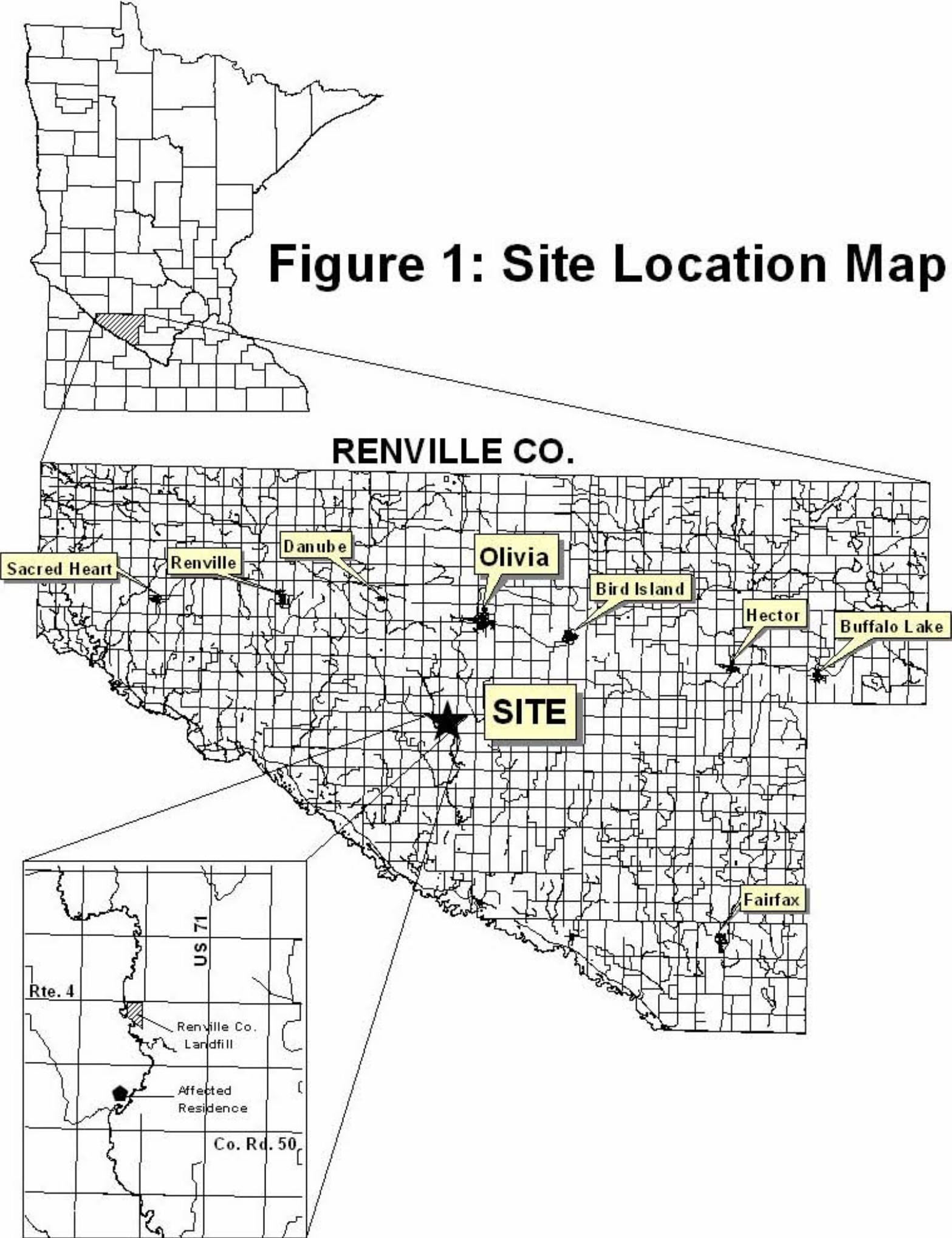
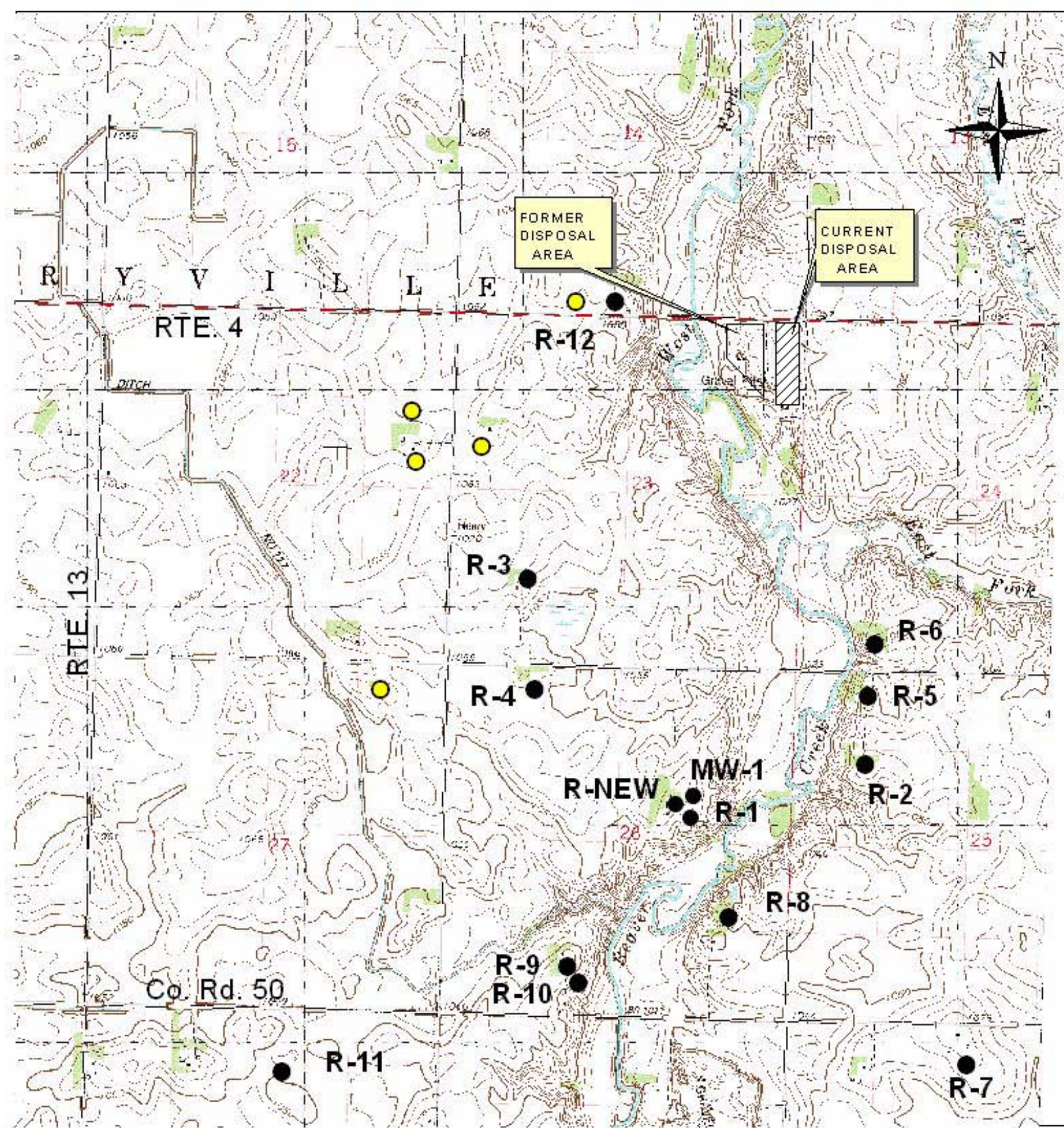


## **APPENDIX A: FIGURES**

# Figure 1: Site Location Map



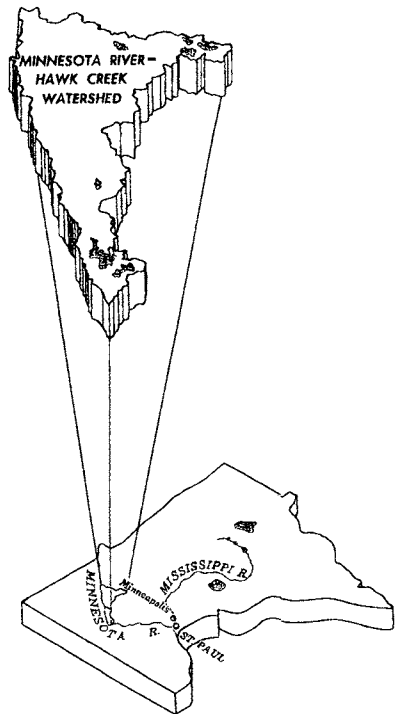
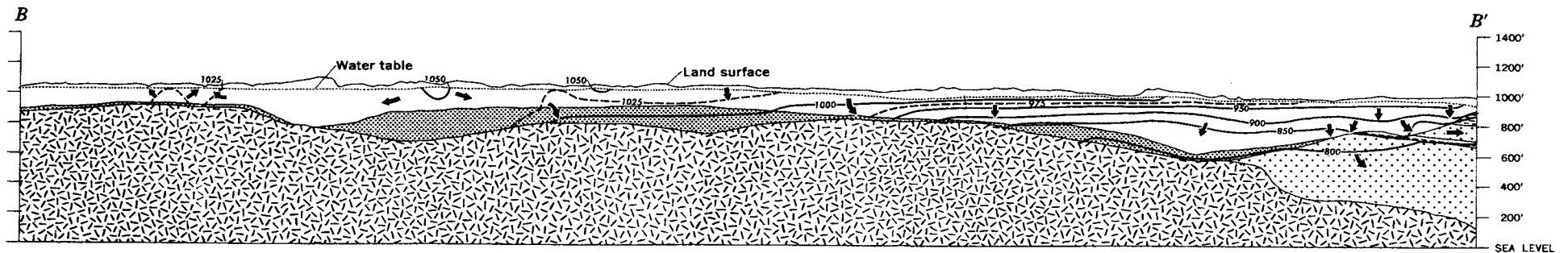


**Figure 2: Residential Well Sample Locations**

- Residential well sample location
- Well near SLF not sampled

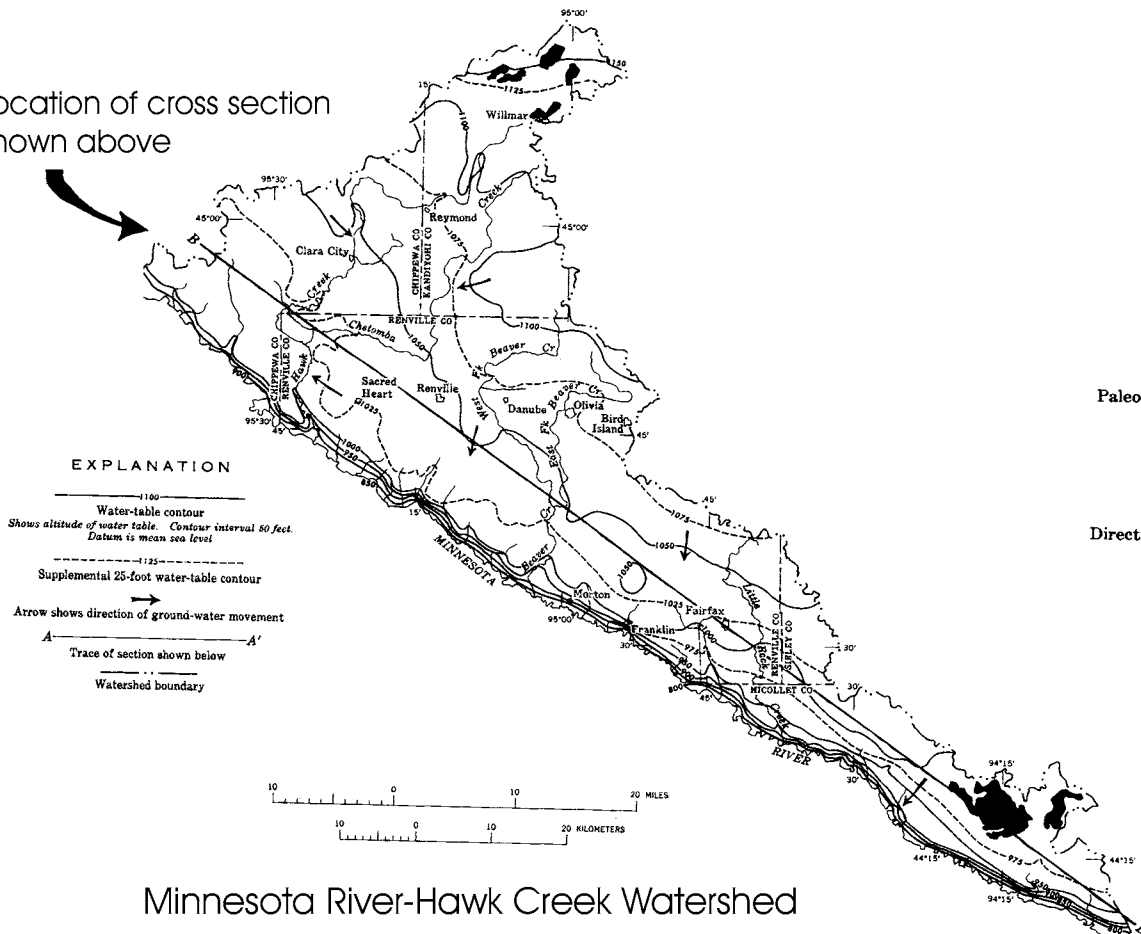


# Figure 3 - Geologic Cross Section and Regional Ground Water Flow Directions



Location of Watershed

Location of cross section shown above



Minnesota River-Hawk Creek Watershed

### EXPLANATION

- Quaternary glacial deposits
- Cretaceous sedimentary rocks
- Highly permeable Paleozoic and Precambrian sedimentary rocks
- Precambrian crystalline rocks

← Direction of flow schematic because of vertical exaggeration

— 1000 —  
Line of equal hydraulic potential in feet above mean sea level  
Interval is 50 feet

- - - 1025 - - -  
Supplemental 25-foot line of equal hydraulic potential



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LEGEND

- EXISTING CONTOURS
- - - PROPERTY LINES
- ⊙ GAS PROBE
- ⊙ GAS VENT
- ⊙ SOIL BORING
- ⊙ MONITORING WELL
- ⊙ MONITORING WELL NEST
- ⊙ TEST PIT
- WMS WELL
- ⊙ SURFACE WATER SAMPLING LOCATION
- X ABANDONED MONITORING POINT
- GROUND WATER DIVERSION TRENCH
- - - COMPLIANCE BOUNDARY

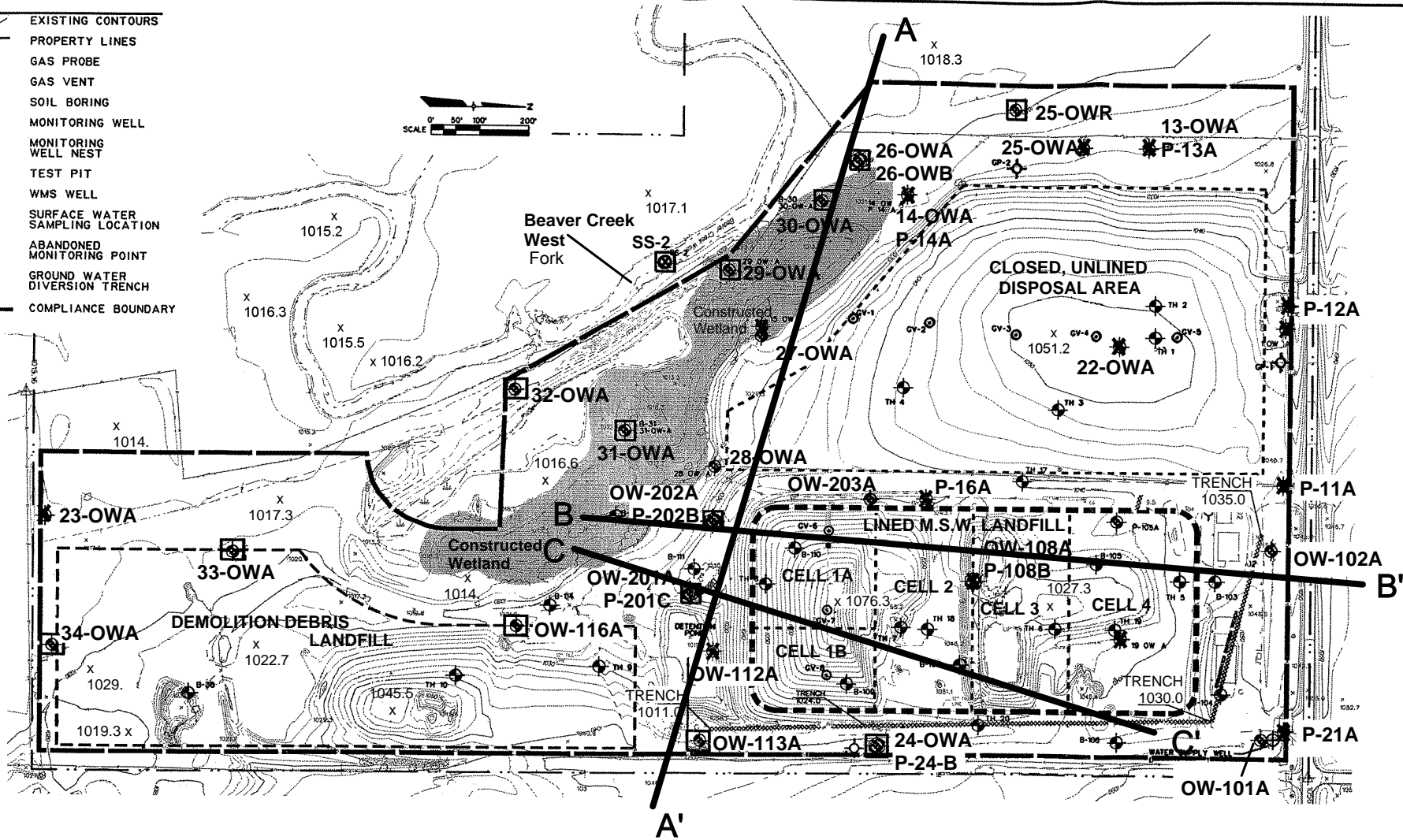
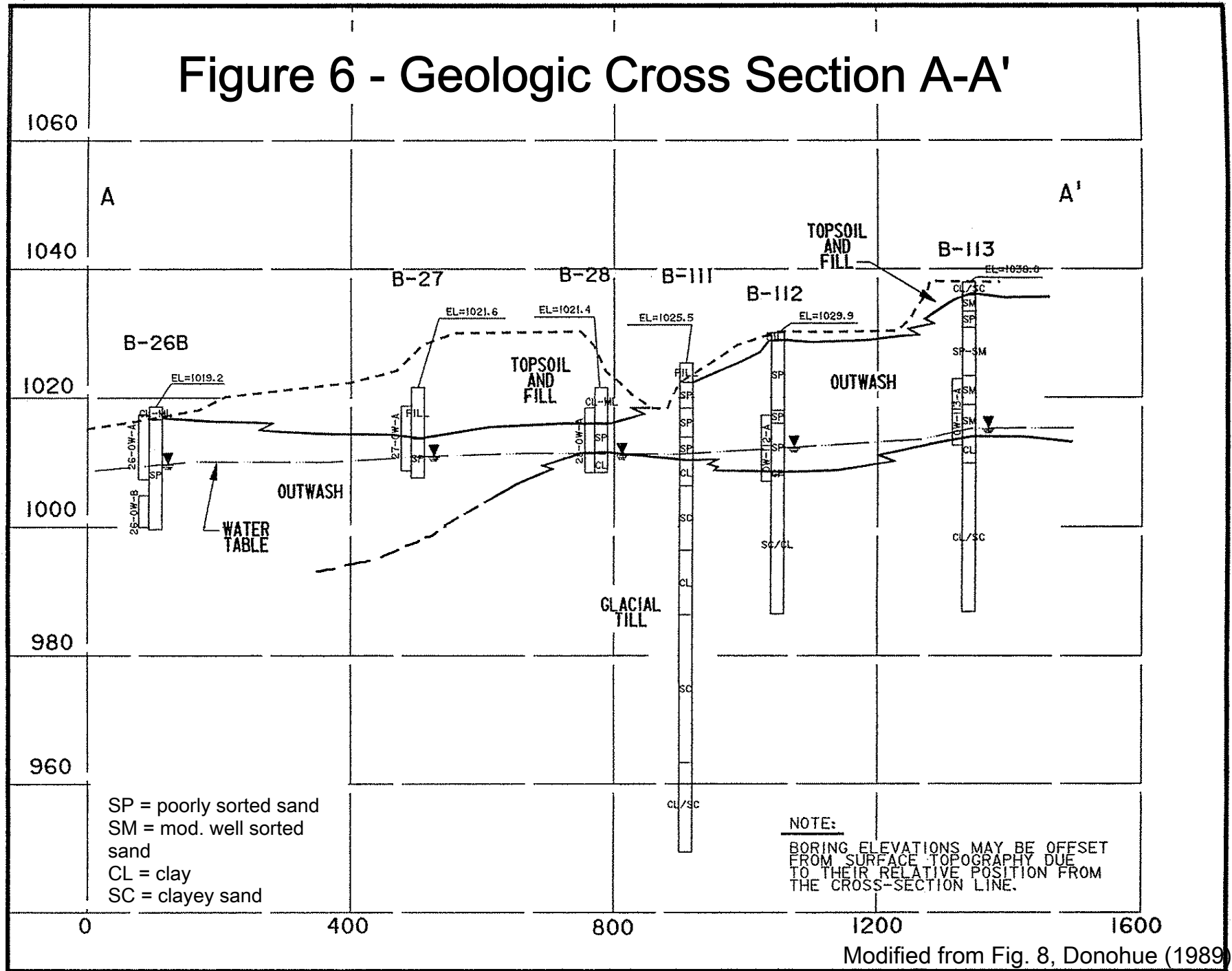


Figure 5: Location of Geologic Cross-sections

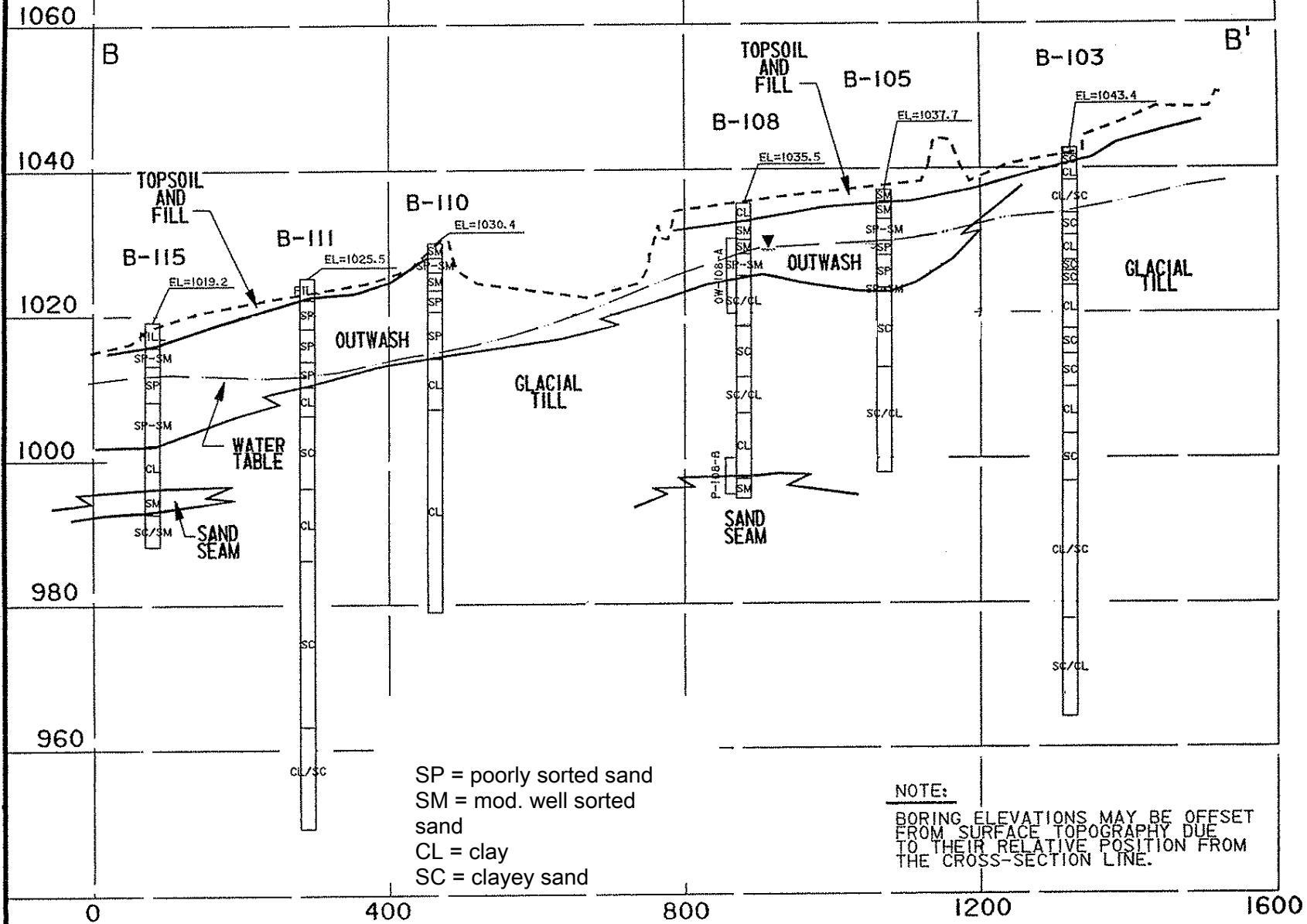
Based on Fig. 7, Donohue (1989)  
Modified from Fig. 1-2, Earth Tech (2004)

# Figure 6 - Geologic Cross Section A-A'



Modified from Fig. 8, Donohue (1989)

# Figure 7 - Geologic Cross Section B-B'

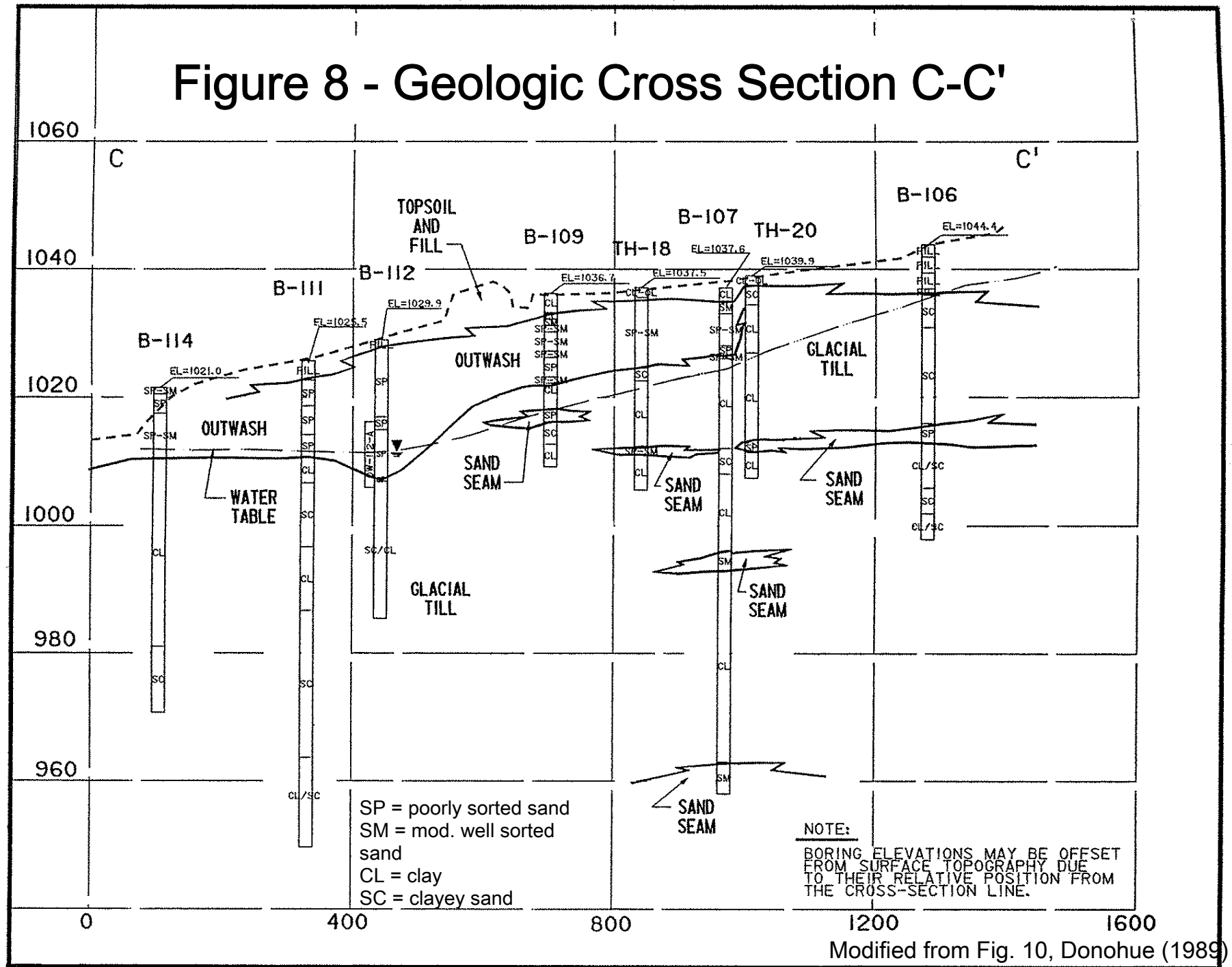


SP = poorly sorted sand  
 SM = mod. well sorted sand  
 CL = clay  
 SC = clayey sand

NOTE:  
 BORING ELEVATIONS MAY BE OFFSET FROM SURFACE TOPOGRAPHY DUE TO THEIR RELATIVE POSITION FROM THE CROSS-SECTION LINE.



# Figure 8 - Geologic Cross Section C-C'



Modified from Fig. 10, Donohue (1989)

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LEGEND

- EXISTING CONTOURS
- - - PROPERTY LINES
- ⊕ GAS PROBE
- ⊙ GAS VENT
- ⊙ SOIL BORING
- ⊙ MONITORING WELL
- ⊙ MONITORING WELL NEST
- ⊙ TEST PIT
- WMS WELL
- ⊙ SURFACE WATER SAMPLING LOCATION
- X ABANDONED MONITORING POINT
- GROUND WATER DIVERSION TRENCH
- - - COMPLIANCE BOUNDARY

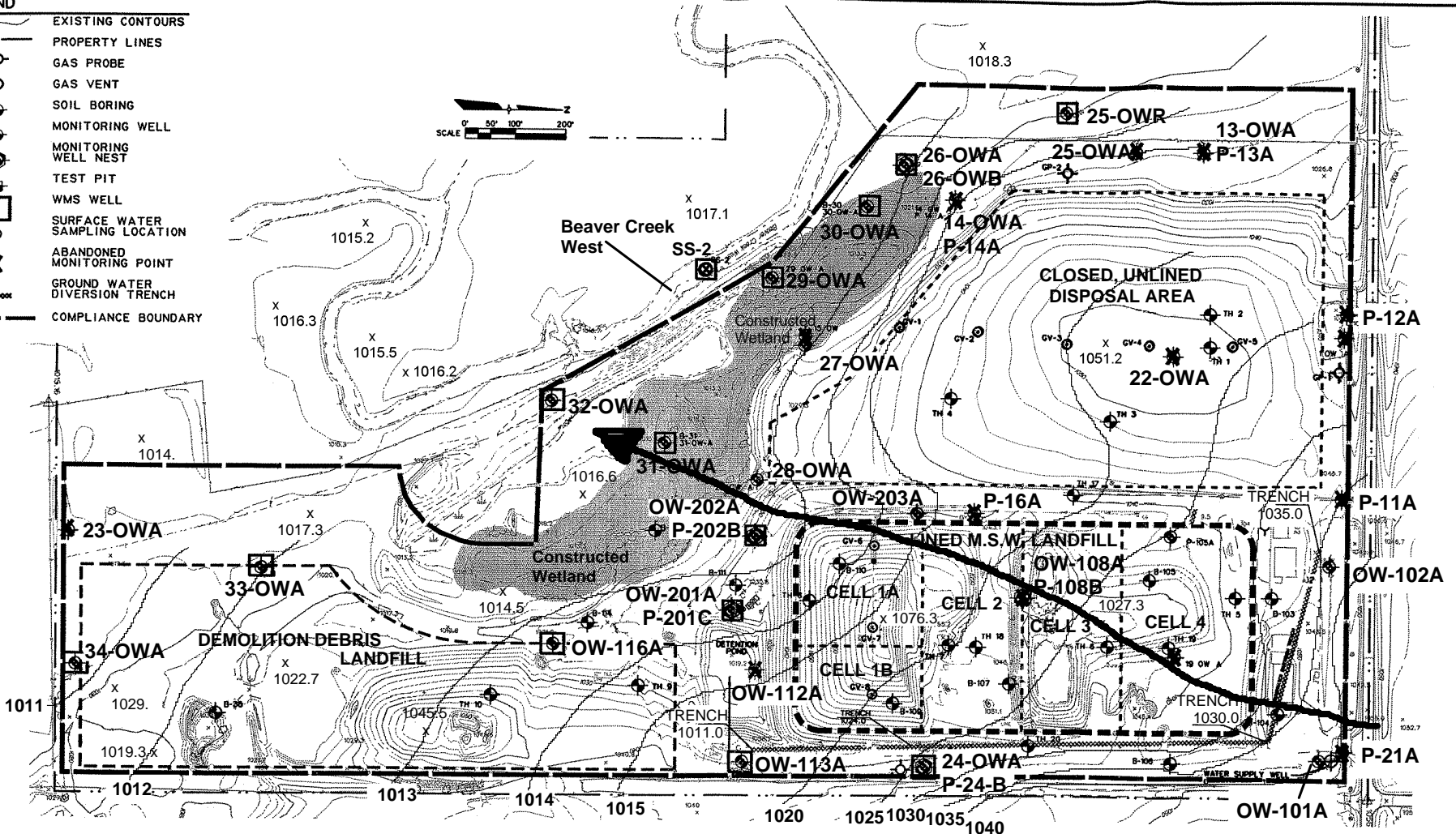


Figure 9: Generalized Groundwater Flow Direction

Based on Aug. 11, 2003 water level measurements

Modified from Figure 1-5, Earth Tech (2004)