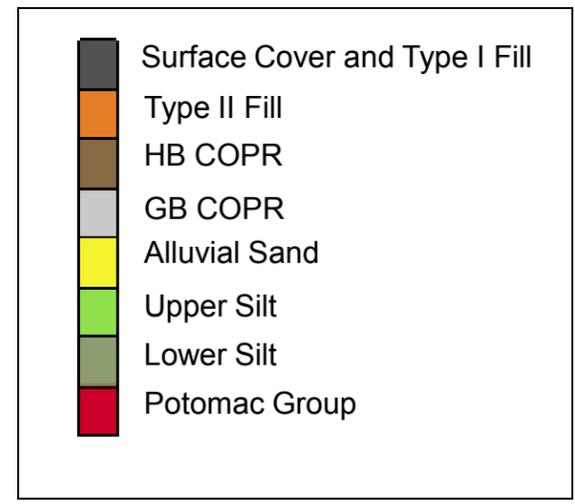
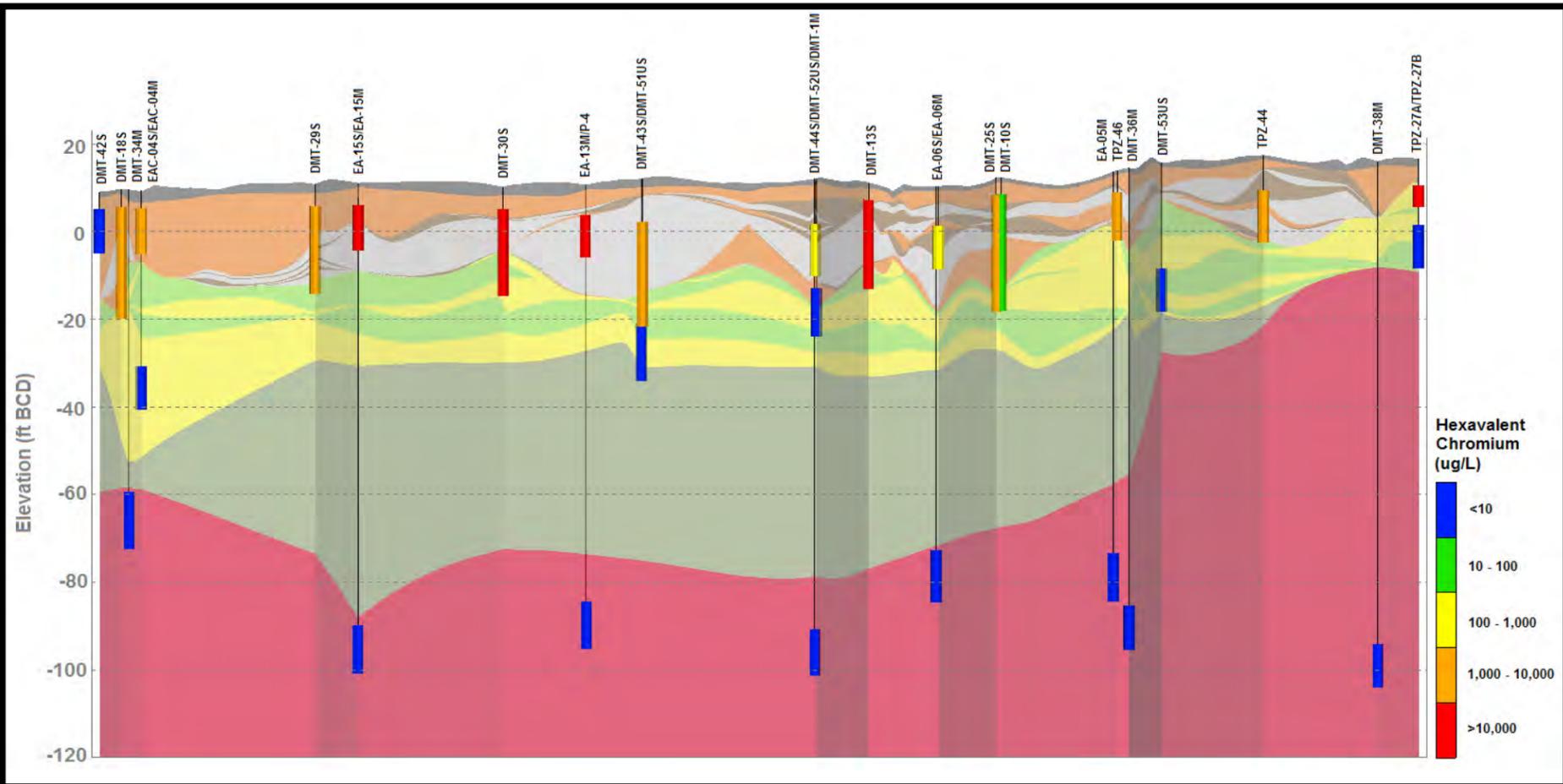
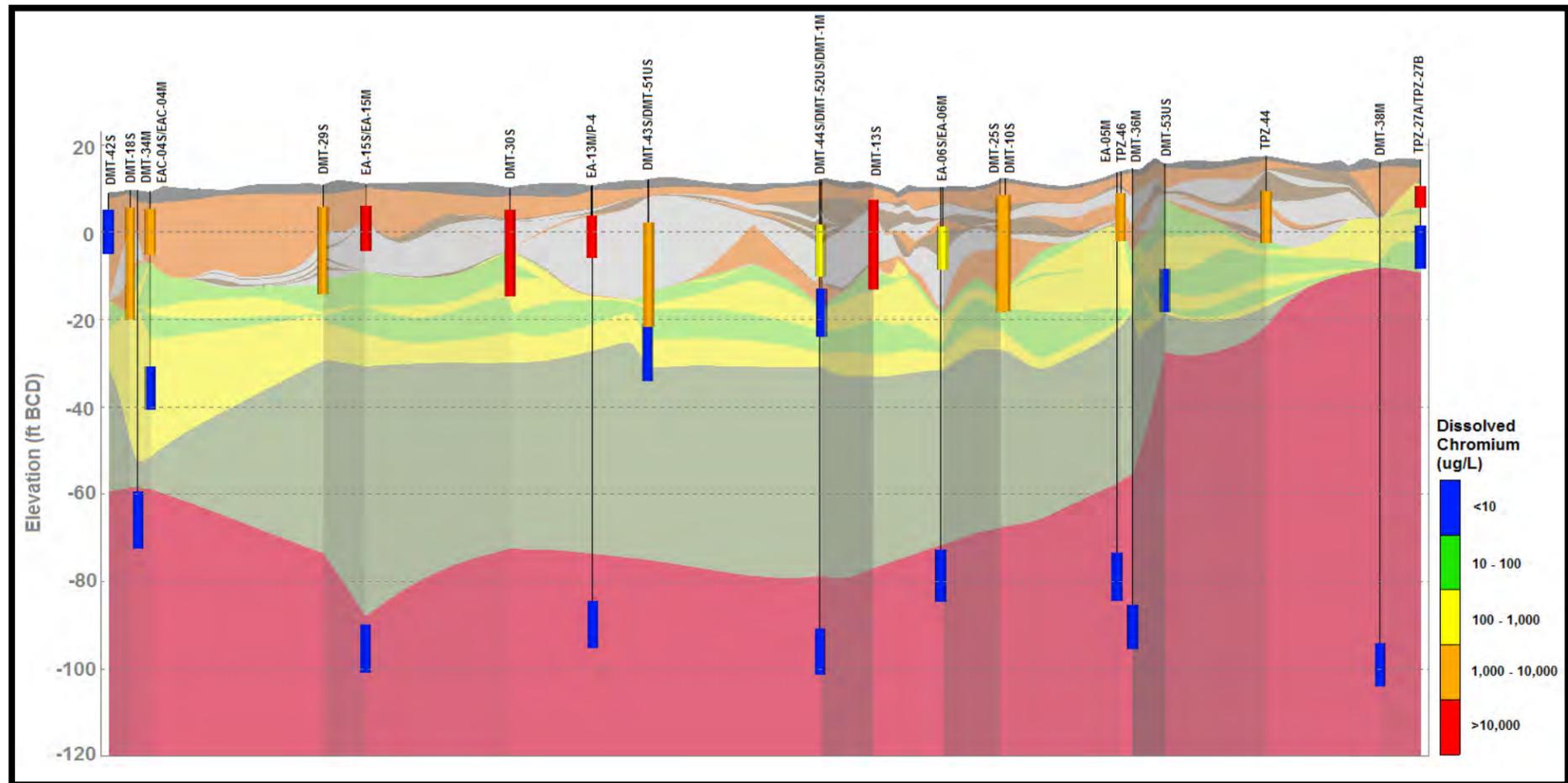
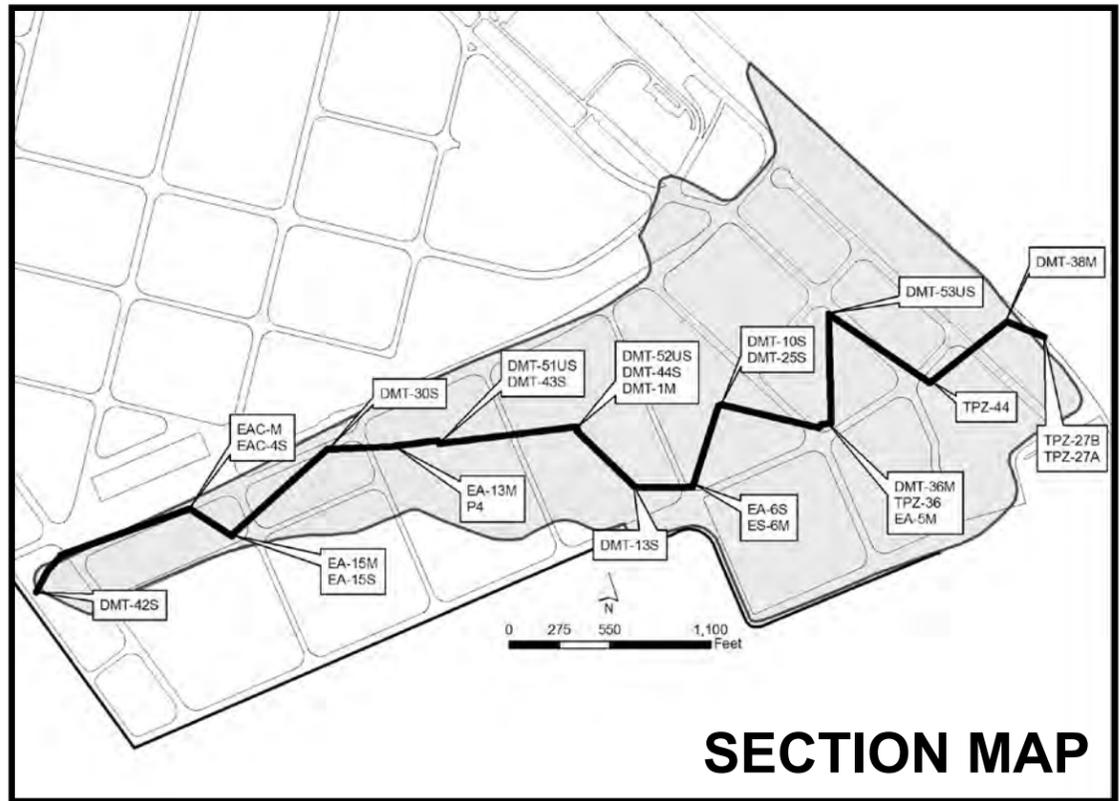


Notes:

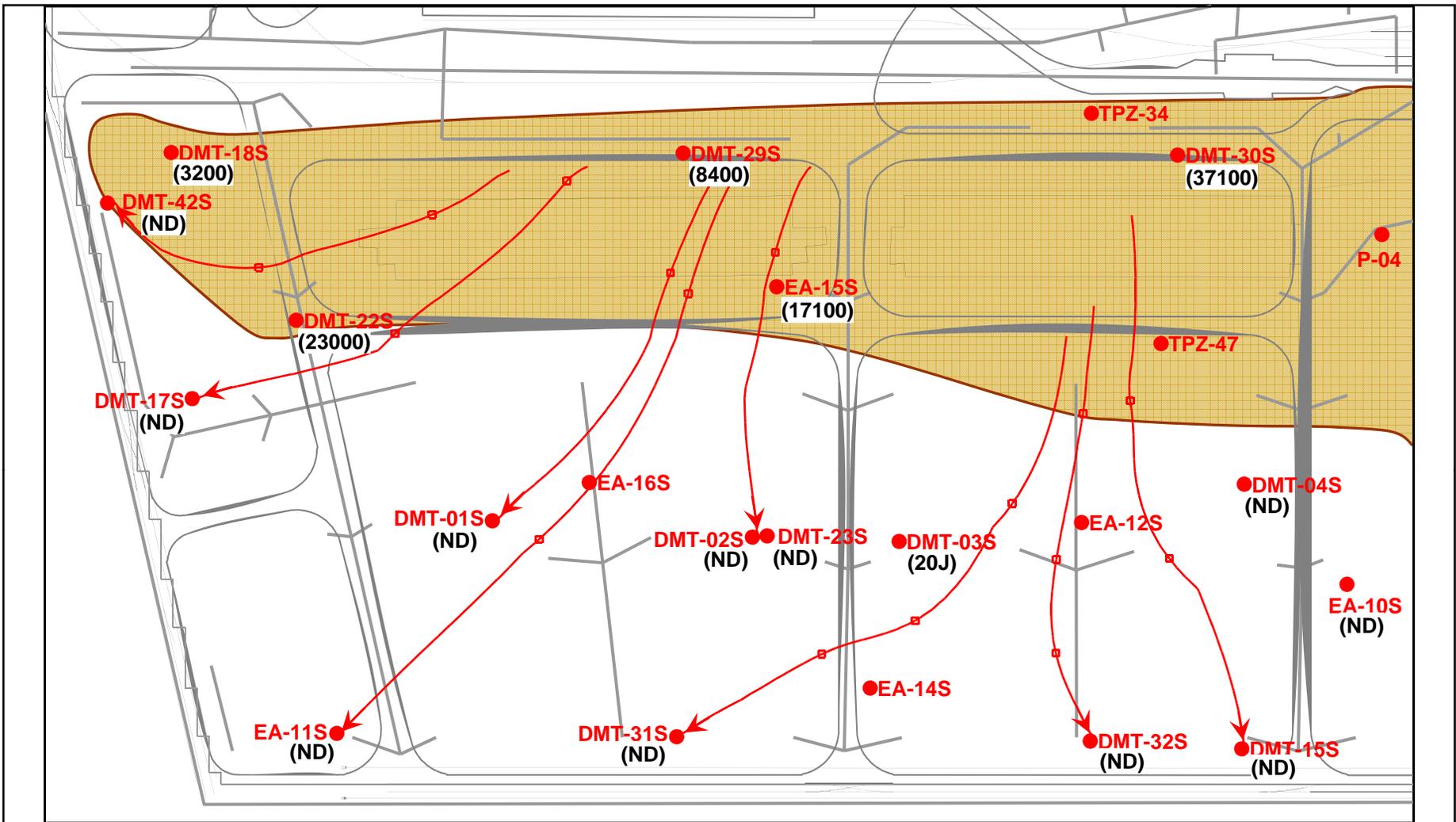
- 1) Horizontal scale for cross-section is distorted due to variability in section orientation. Refer to scale on plan view to determine the actual distance between boring locations.
- 2) Vertical Exaggeration = 20X

Figure 4-14
 Dissolved Chromium and Chromium VI Results in Groundwater (Section 1)
 Chromium Transport Study
 Dundalk Marine Terminal, Baltimore, Maryland



Notes:
 1) Horizontal scale for cross-section is distorted due to variability in section orientation. Refer to scale on plan view to determine the actual distance between boring locations.
 2) Vertical Exaggeration = 20X

Figure 4-15
 Dissolved Chromium and Chromium VI
 Results in Groundwater (Section 2)
 Chromium Transport Study
 Dundalk Marine Terminal, Baltimore, Maryland



Legend

- **EA-11S** Shallow Aquifer Monitoring Well
(20) Dissolved Cr-VI Concentration (µg/L)
(ND) Not Detected above Quantitation Limit
- Particle Pathline with 5-Year Travel Time Tic Mark
- ▨ Approximate Extent of COPR Fill

Note: The estimated distance traveled by a flowing groundwater particle over a 5-year period is represented by the distance between the square tic marks spaced along the pathlines.

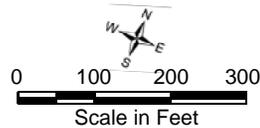
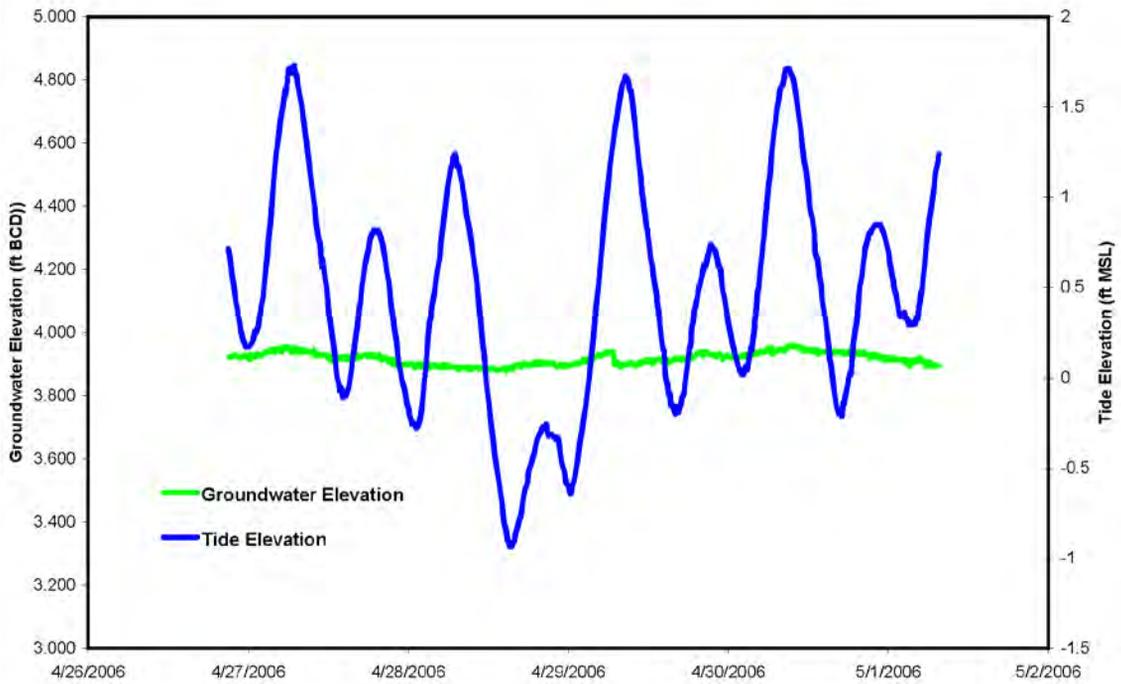
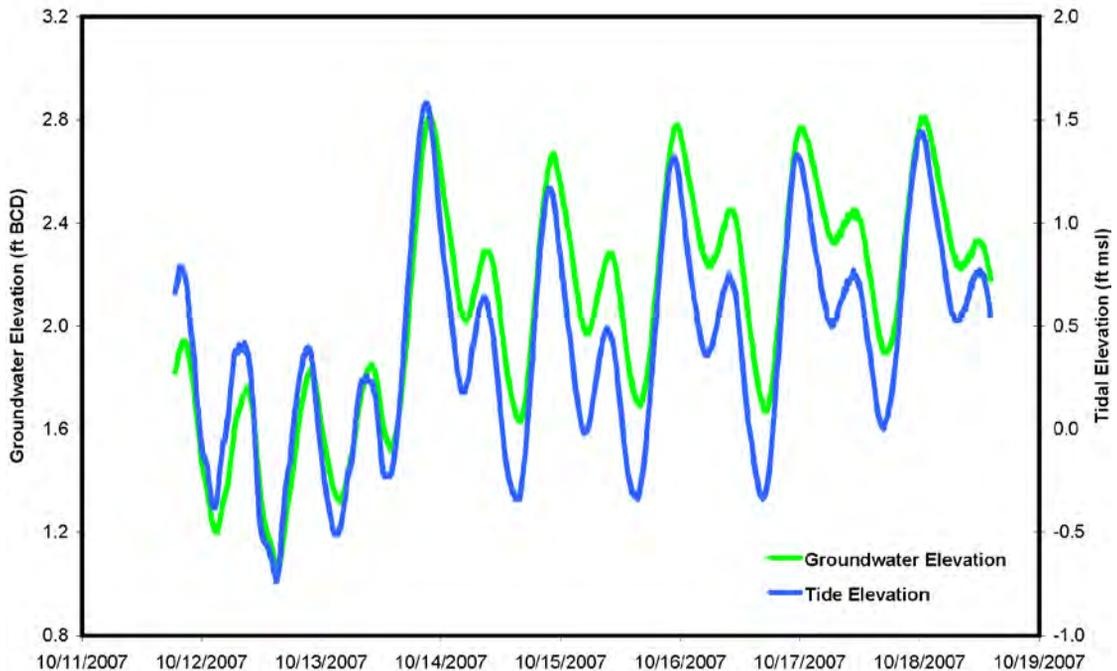


Figure 4-16
 Simulated Backward Particle Tracks
 Leading to Selected Shallow Monitoring Wells
Chromium Transport Study
 Dundalk Marine Terminal, Baltimore, Maryland



a) Tidal study hydrograph for well DMT-15S, which is located immediately inboard of the sheet pile bulkhead in Area 1200. The tidal response is negligible where the shallow fill unit is bounded by the sheet pile bulkhead.



b) Tidal study hydrograph for well DMT-58S, which is located on the southeast corner of Area 1501 adjacent to the Patapsco River. Tidal response is observed where the shallow fill unit is not bounded by the sheet pile bulkhead.

Figure 4-17
Tidal Response in the Shallow Fill Unit
Chromium Transport Study
Dundalk Marine Terminal, Baltimore, Maryland