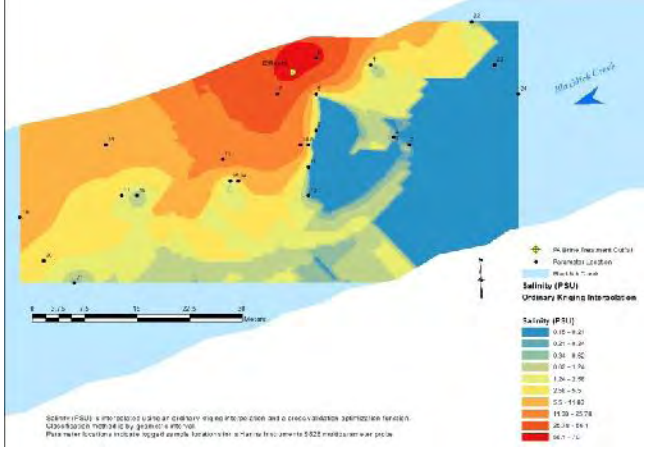
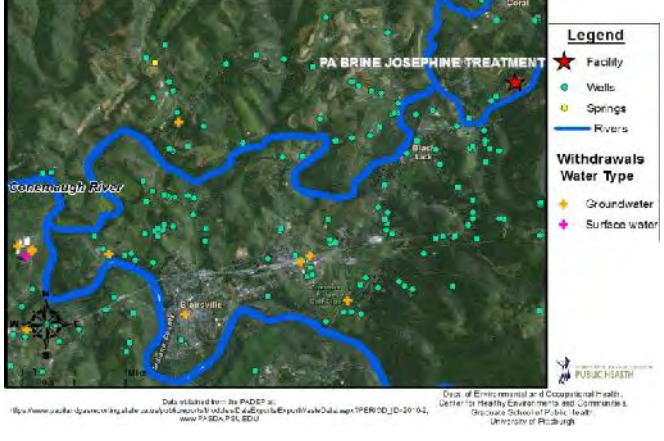


Hart Resources PA Brine Josephine Treatment Facility
and Water Resources of the Conemaugh River Basin



Contaminant Characterization of Effluent from Pennsylvania Brine Treatment Inc., Josephine Facility:

Implications for Disposal of Oil and Gas Flowback Fluids from Brine Treatment Plants

EPA Hydraulic Fracturing Study Technical Workshop 3, Fate and Transport
March 28-29, 2011, EPA Potomac Yards Conference Facility

Conrad D. Volz, DrPH, MPH, Kyle Ferrar, MPH, Drew Michanowicz, MPH, CPH, Charles Christen, DrPH, MEd, Shannon Kearney, MPH, CPH, Matt Kelso, BS and Samantha Malone, MPH, CPH

Department of Environmental and Occupational Health
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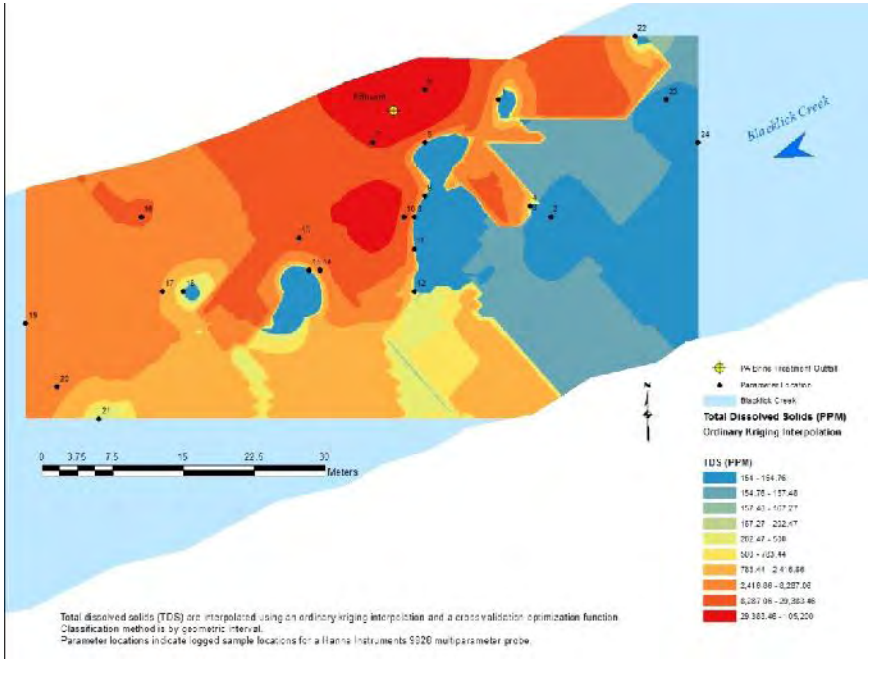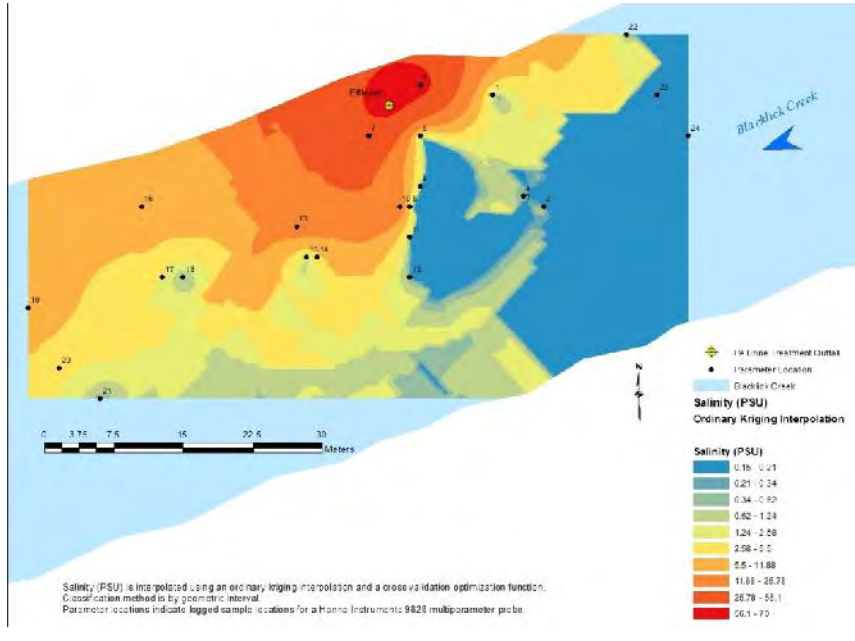
PBT-Josephine Facility Outfall on Blacklick Creek and Kriging Interpolation of Instream TDS and Salinity