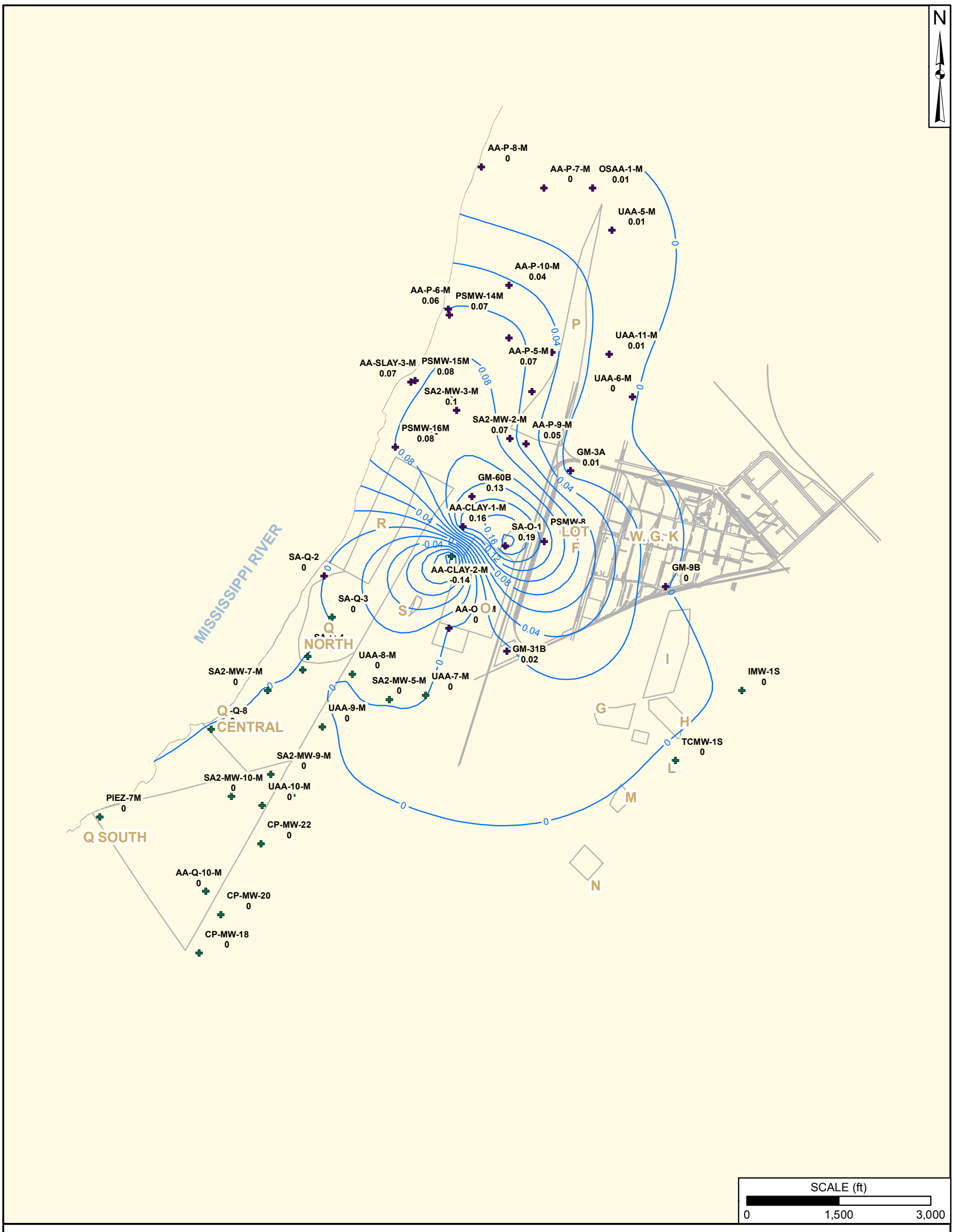

Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
3. The residual value plotted is the difference between simulated and measured values. Positive residuals indicate model overestimation while negative residuals indicate model underestimation.

LEGEND

Well ID
Residual in mg/L

Model Under Predicts by	Model Over Predicts by
> 2 mg/L	> 2 mg/L
1.5 - 2 mg/L	1.5 - 2 mg/L
1.0 - 1.5 mg/L	1 - 1.5 mg/L
0.5 - 1.0 mg/L	0.5 - 1 mg/L
up to 0.5 mg/L	up to 0.5 mg/L

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	FIGURE 102

Spatial Correlation Between Simulated and Measured Concentrations

Vinyl Chloride: Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer