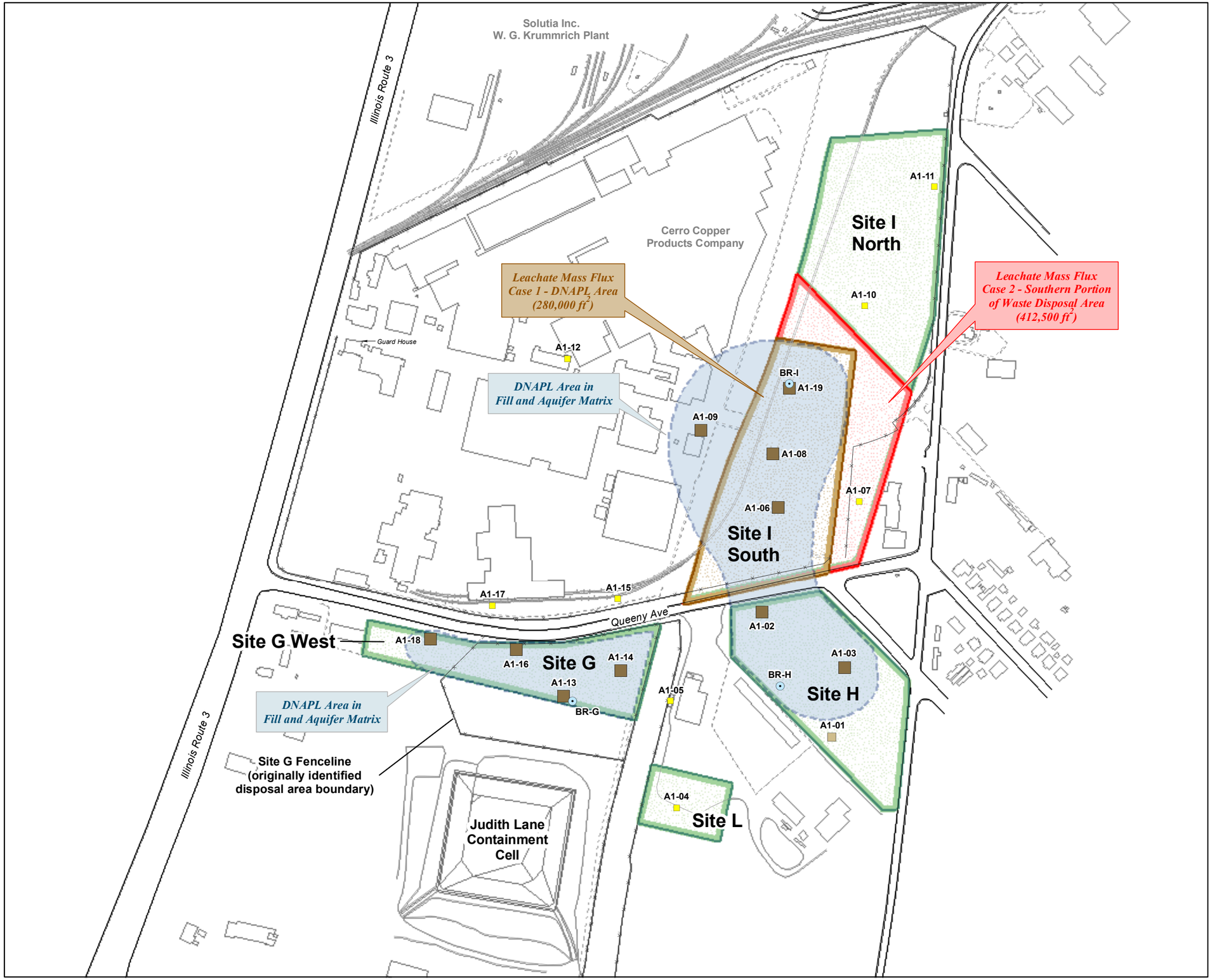

LEGEND

- Existing bedrock wells
- Field evidence of NAPL based on visual inspection of cores and/or vial test kit results. Total VOCs ≥ 1 mg/kg and/or total SVOCs ≥ 1 mg/kg.
- Field evidence of NAPL based on visual inspection of cores and/or vial test kit results. Total VOCs < 1 mg/kg and total SVOCs < 1 mg/kg.
- No field evidence of NAPL based on visual inspection of cores or vial test kit results.

Notes:

1) The vial test kits contained Sudan IV dye, which is soluble in DNAPL and petroleum and stains DNAPL and petroleum products red. Each test kits also contained a small bead of polystyrene, which will develop a pink halo or hue in the presence of TPH at concentrations exceeding approximately 500 mg/kg.

2) Vial test results for a soil sample were considered as evidence for the presence of NAPL if: i) a layer of LNAPL or DNAPL was observed in the vial; ii) red spots or staining were noted in the vial; or iii) the polystyrene ball in the vial was observed to have a pink halo or hue.

3) Results of soil core inspection and testing for borings A1-1 through A1-18 are documented in the DNAPL Characterization and Remediation Report.

Scale (ft)
0 150 300

GSI ENVIRONMENTAL

CASE 1 AND CASE 2 - AREA OF UNSATURATED SOURCE MATERIALS

Remedial Investigation Report

Sauget Area 1
Sauget and Cahokia, Illinois

GSI Job No.	G-3385	Drawn By:	CDM
Issued:	27-Apr-12	Chk'd By:	JAK
Revised:		Aprv'd:	JAK
Scale:	As Shown		**Figure 6-43**