# Koppers Site Visit

Senator Nelson's Staff

February 17, 2009



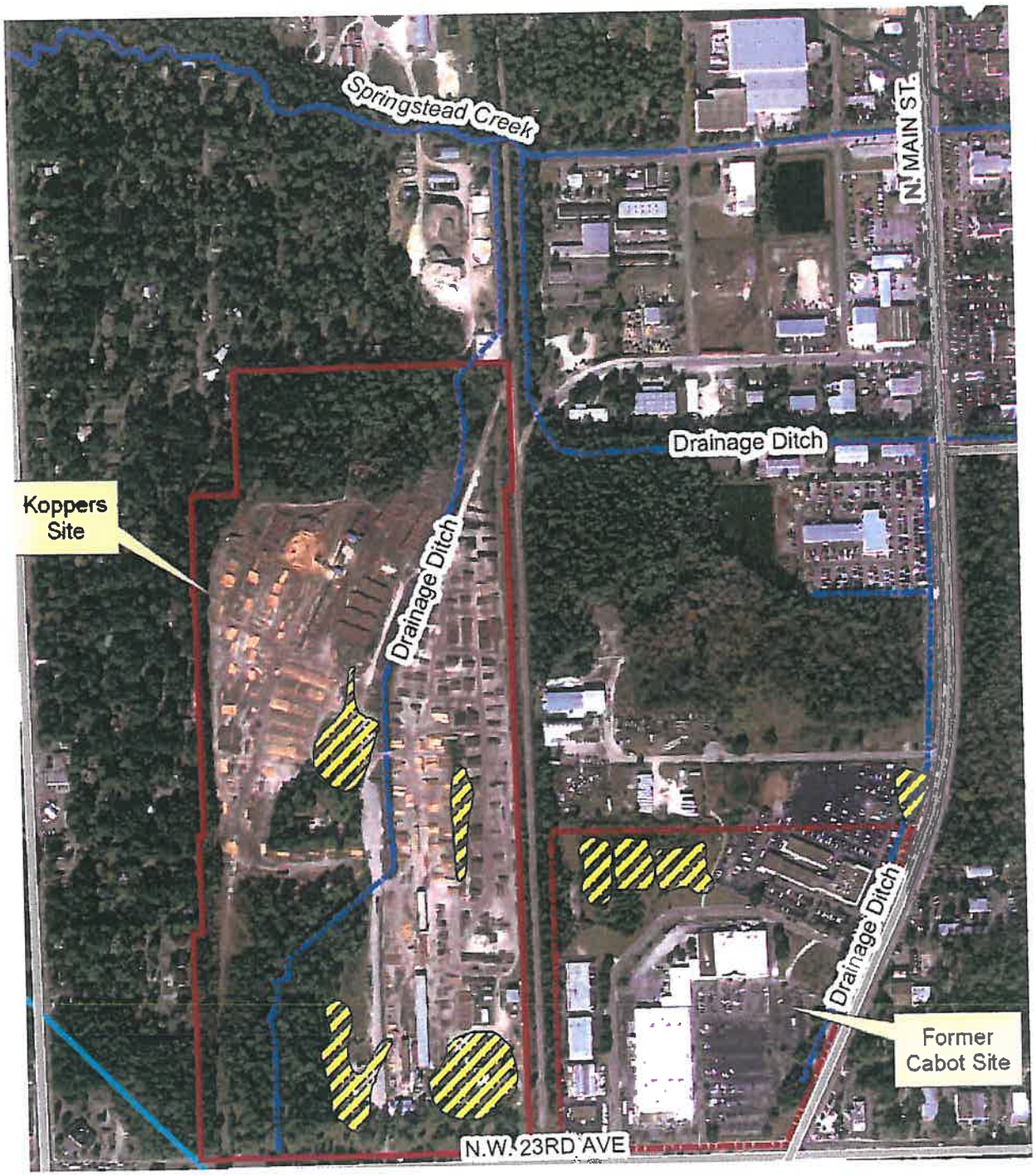
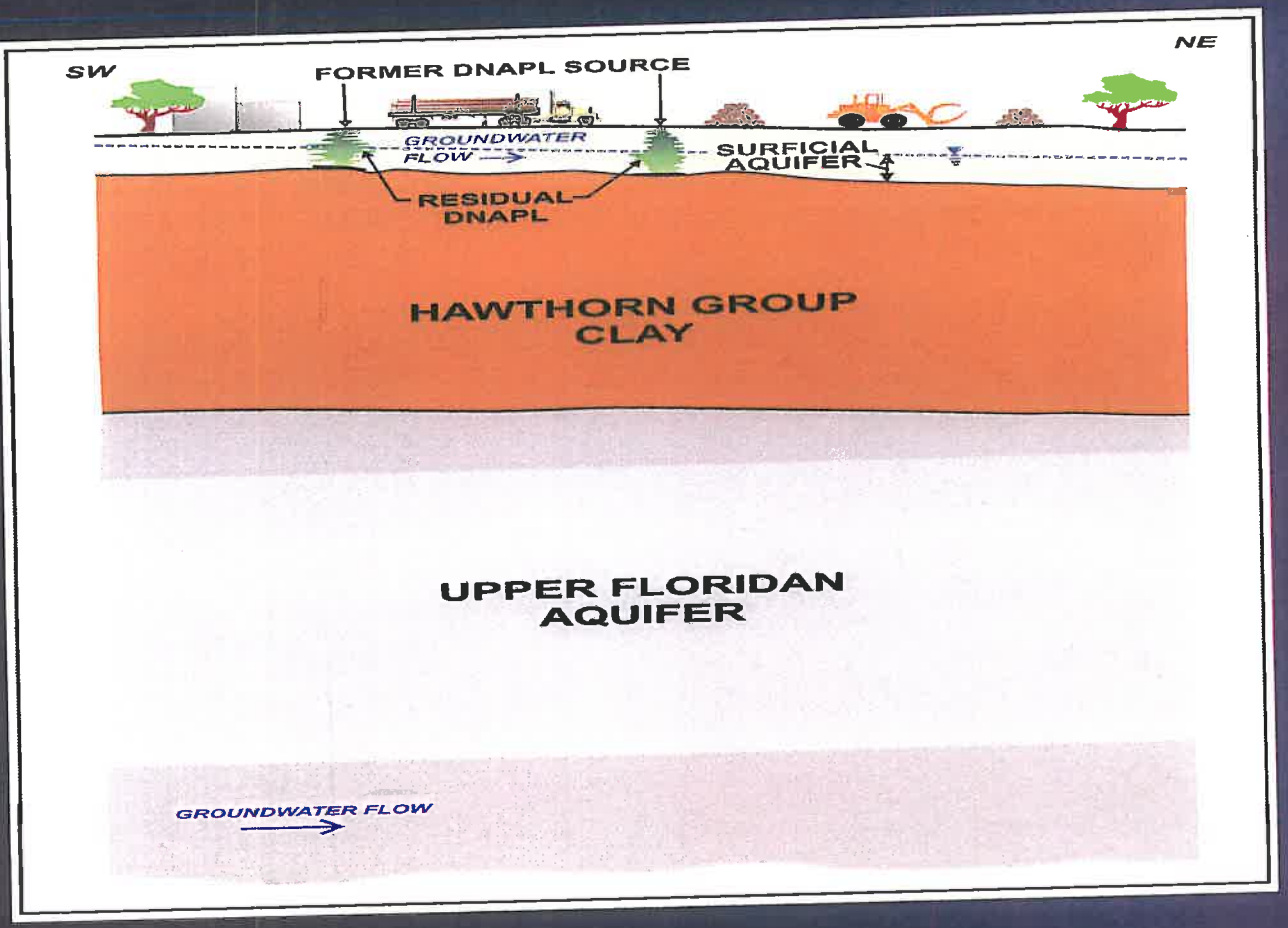
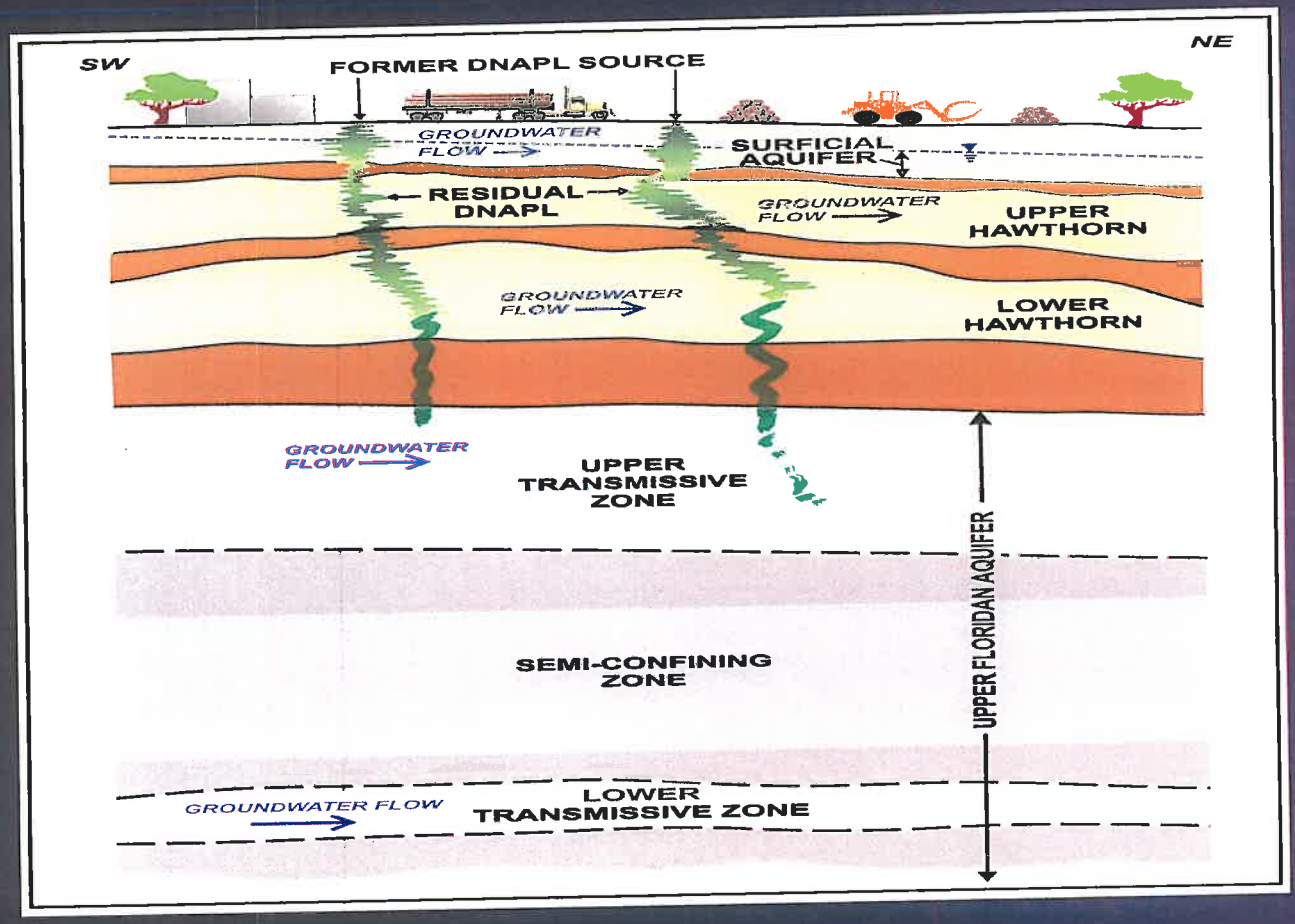


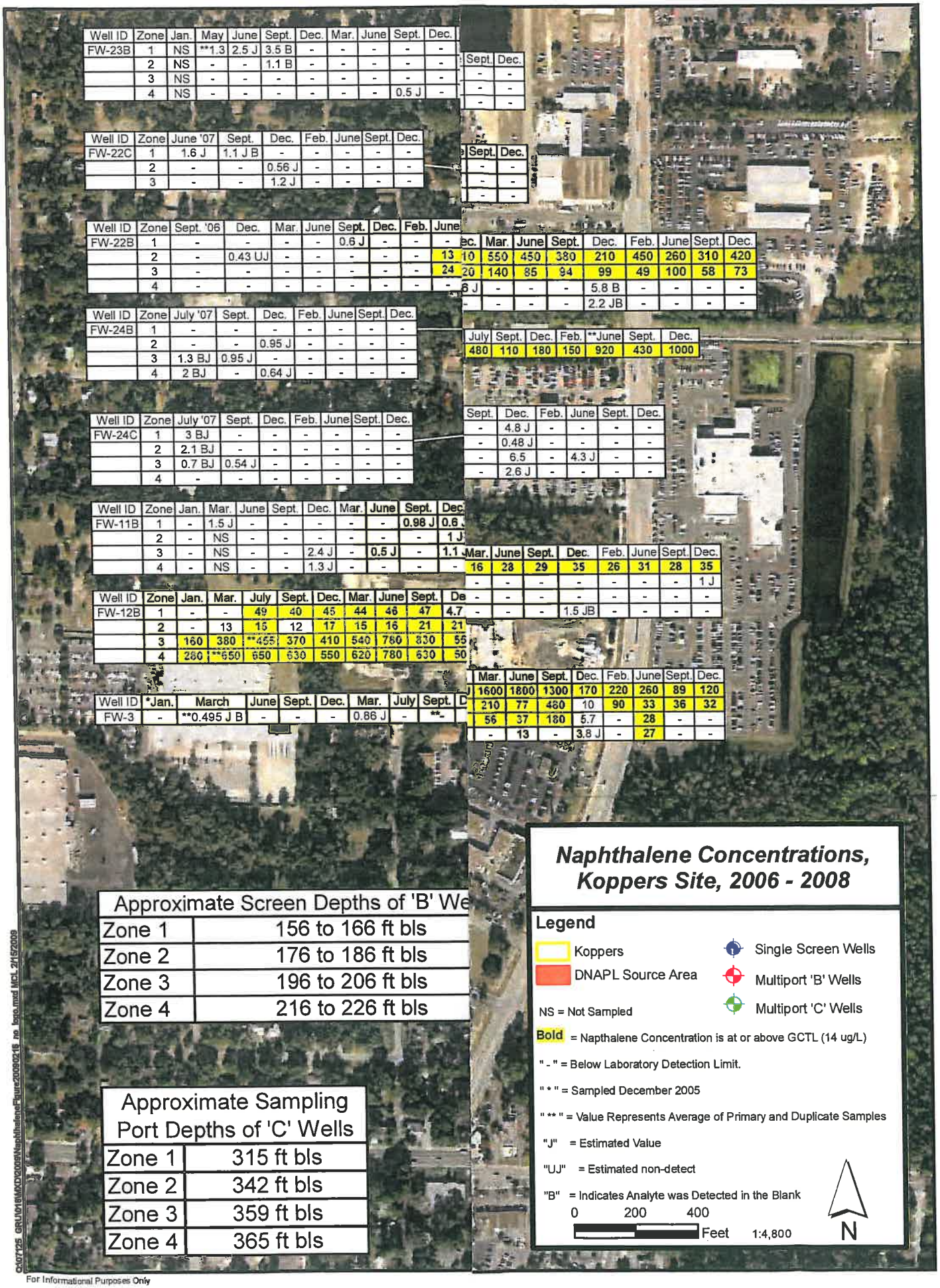

**Figure 3. Source areas, for Cabot and Koppers sites (Source of photo: Alachua County Environmental Protection Department)**

# Old Conceptual Model



# Current Conceptual Model





| Well ID | Zone | Jan. | May | June | Sept. | Dec. | Mar. | June | Sept. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|
| FW-23B | 1 | NS | **1.3 | 2.5 J | 3.5 B | - | - | - | - | - |
| | 2 | NS | - | - | 1.1 B | - | - | - | - | - |
| | 3 | NS | - | - | - | - | - | - | - | - |
| | 4 | NS | - | - | - | - | - | - | 0.5 J | - |

| Well ID | Zone | June '07 | Sept. | Dec. | Feb. | June | Sept. | Dec. |
|---|---|---|---|---|---|---|---|---|
| FW-22C | 1 | 1.6 J | 1.1 J B | - | - | - | - | - |
| | 2 | - | - | 0.56 J | - | - | - | - |
| | 3 | - | - | 1.2 J | - | - | - | - |

| Well ID | Zone | Sept. '06 | Dec. | Mar. | June | Sept. | Dec. | Feb. | June |
|---|---|---|---|---|---|---|---|---|---|
| FW-22B | 1 | - | - | - | - | 0.6 J | - | - | - |
| | 2 | - | 0.43 UJ | - | - | - | - | - | 13 |
| | 3 | - | - | - | - | - | - | - | 24 |
| | 4 | - | - | - | - | - | - | - | - |

| Well ID | Zone | July '07 | Sept. | Dec. | Feb. | June | Sept. | Dec. |
|---|---|---|---|---|---|---|---|---|
| FW-24B | 1 | - | - | - | - | - | - | - |
| | 2 | - | - | 0.95 J | - | - | - | - |
| | 3 | 1.3 BJ | 0.95 J | - | - | - | - | - |
| | 4 | 2 BJ | - | 0.64 J | - | - | - | - |

| Well ID | Zone | July '07 | Sept. | Dec. | Feb. | June | Sept. | Dec. |
|---|---|---|---|---|---|---|---|---|
| FW-24C | 1 | 3 BJ | - | - | - | - | - | - |
| | 2 | 2.1 BJ | - | - | - | - | - | - |
| | 3 | 0.7 BJ | 0.54 J | - | - | - | - | - |
| | 4 | - | - | - | - | - | - | - |

| Well ID | Zone | Jan. | Mar. | June | Sept. | Dec. | Mar. | June | Sept. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|
| FW-11B | 1 | - | 1.5 J | - | - | - | - | - | 0.98 J | 0.6 J |
| | 2 | - | NS | - | - | - | - | - | - | 1 J |
| | 3 | - | NS | - | - | 2.4 J | - | 0.5 J | - | 1.1 J |
| | 4 | - | NS | - | - | 1.3 J | - | - | - | - |

| Well ID | Zone | Jan. | Mar. | July | Sept. | Dec. | Mar. | June | Sept. | De |
|---|---|---|---|---|---|---|---|---|---|---|
| FW-12B | 1 | - | - | 49 | 40 | 45 | 44 | 46 | 47 | 4.7 |
| | 2 | - | 13 | 15 | 12 | 17 | 15 | 16 | 21 | 21 |
| | 3 | 160 | 380 | **455 | 370 | 410 | 540 | 780 | 830 | 55 |
| | 4 | 280 | **650 | 650 | 630 | 550 | 620 | 780 | 630 | 50 |

| Well ID | *Jan. | March | June | Sept. | Dec. | Mar. | July | Sept. | D |
|---|---|---|---|---|---|---|---|---|---|
| FW-3 | - | **0.495 J B | - | - | - | 0.86 J | - | **- | |

| Sept. | Dec. |
|---|---|
| - | - |
| - | - |
| - | - |

| Sept. | Dec. |
|---|---|
| - | - |
| - | - |
| - | - |

| ec. | Mar. | June | Sept. | Dec. | Feb. | June | Sept. | Dec. |
|---|---|---|---|---|---|---|---|---|
| 10 | 550 | 450 | 380 | 210 | 450 | 260 | 310 | 420 |
| 20 | 140 | 85 | 94 | 99 | 49 | 100 | 58 | 73 |
| 6 J | - | - | - | 5.8 B | - | - | - | - |
| - | - | - | - | 2.2 JB | - | - | - | - |

| July | Sept. | Dec. | Feb. | **June | Sept. | Dec. |
|---|---|---|---|---|---|---|
| 480 | 110 | 180 | 150 | 920 | 430 | 1000 |

| Sept. | Dec. | Feb. | June | Sept. | Dec. |
|---|---|---|---|---|---|
| - | 4.8 J | - | - | - | - |
| - | 0.48 J | - | - | - | - |
| - | 6.5 | - | 4.3 J | - | - |
| - | 2.6 J | - | - | - | - |

| Mar. | June | Sept. | Dec. | Feb. | June | Sept. | Dec. |
|---|---|---|---|---|---|---|---|
| 16 | 28 | 29 | 35 | 26 | 31 | 28 | 35 |
| - | - | - | - | - | - | - | 1 J |
| - | - | - | - | - | - | - | - |
| - | - | - | 1.5 JB | - | - | - | - |

| Mar. | June | Sept. | Dec. | Feb. | June | Sept. | Dec. |
|---|---|---|---|---|---|---|---|
| J 1600 | 1800 | 1300 | 170 | 220 | 260 | 89 | 120 |
| 210 | 77 | 480 | 10 | 90 | 33 | 36 | 32 |
| 56 | 37 | 180 | 5.7 | - | 28 | - | - |
| - | 13 | - | 3.8 J | - | 27 | - | - |

| Approximate Screen Depths of 'B' We | |
|---|---|
| Zone 1 | 156 to 166 ft bls |
| Zone 2 | 176 to 186 ft bls |
| Zone 3 | 196 to 206 ft bls |
| Zone 4 | 216 to 226 ft bls |

| Approximate Sampling Port Depths of 'C' Wells | |
|---|---|
| Zone 1 | 315 ft bls |
| Zone 2 | 342 ft bls |
| Zone 3 | 359 ft bls |
| Zone 4 | 365 ft bls |

# *Naphthalene Concentrations, Koppers Site, 2006 - 2008*

**Legend**

- Koppers
- DNAPL Source Area
- Single Screen Wells
- Multiport 'B' Wells
- Multiport 'C' Wells

NS = Not Sampled

**Bold** = Napthalene Concentration is at or above GCTL (14 ug/L)

" - " = Below Laboratory Detection Limit.

" * " = Sampled December 2005

" ** " = Value Represents Average of Primary and Duplicate Samples

"J" = Estimated Value

"UJ" = Estimated non-detect

"B" = Indicates Analyte was Detected in the Blank

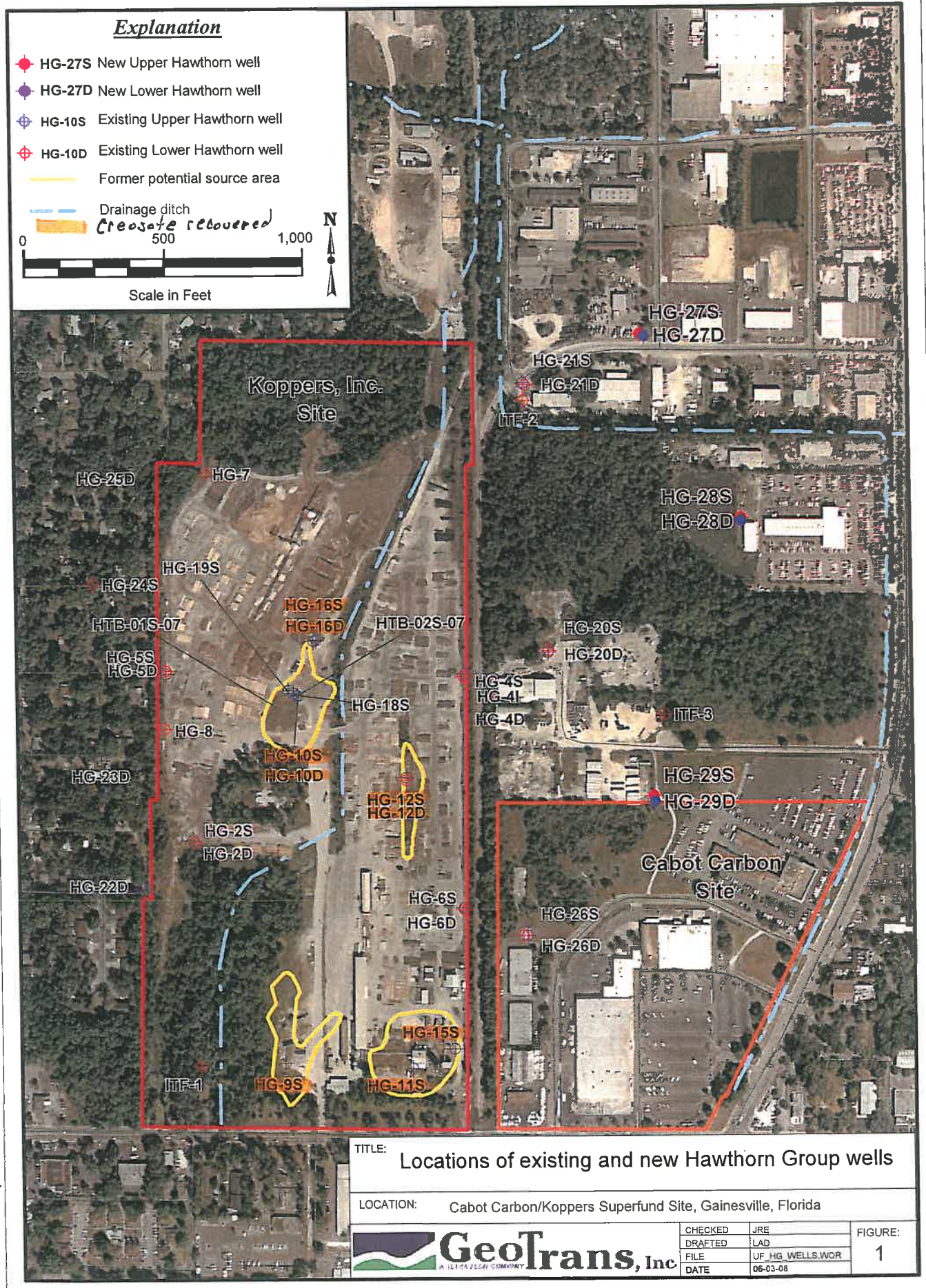
0 200 400

Feet 1:4,800

N

CK07725 GRU01618\MXD\2009\Naphthalene\Figure20090216_ne_bgrp.mxd MCL 2/15/2009

For Informational Purposes Only




T:\GainesvilleMapinfo\wells\HG Wells_aerial_060308.WOR

TITLE: Locations of existing and new Hawthorn Group wells

LOCATION: Cabot Carbon/Koppers Superfund Site, Gainesville, Florida

GeoTrans, Inc

| | |
|---|---|
| CHECKED | JRE |
| DRAFTED | LAD |
| FILE | UF_HG_WELLS.WOR |
| DATE | 06-03-08 |

FIGURE: 1

Process Area Wells
DNAPL Volume Recovered HG-11S = 76 USgallons, HG-15S = 75 USgallons
Void Volume of Sand Pack and Well Screen HG-11S = 8.9 USgallons, HG-15S = 9.6 USgallons

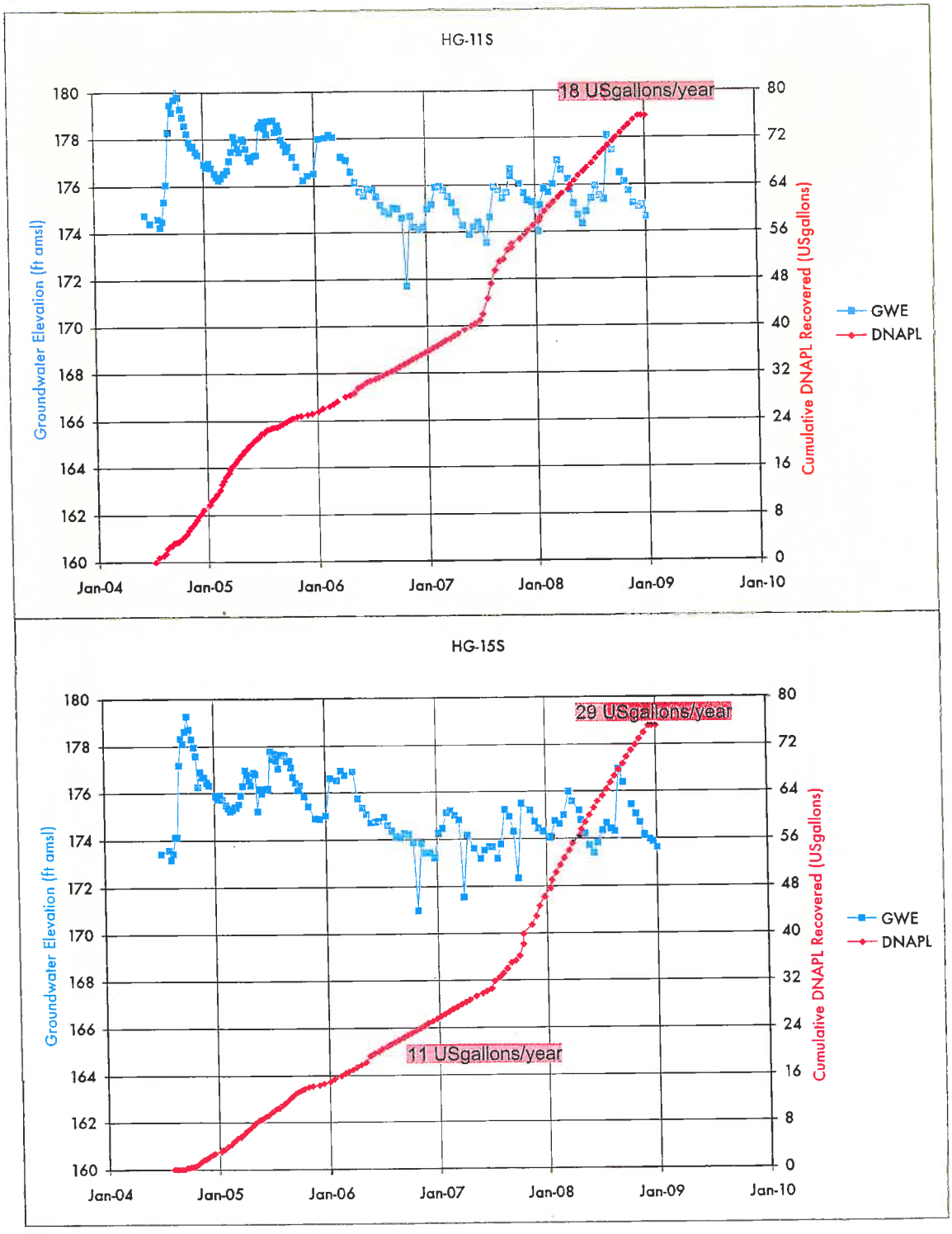
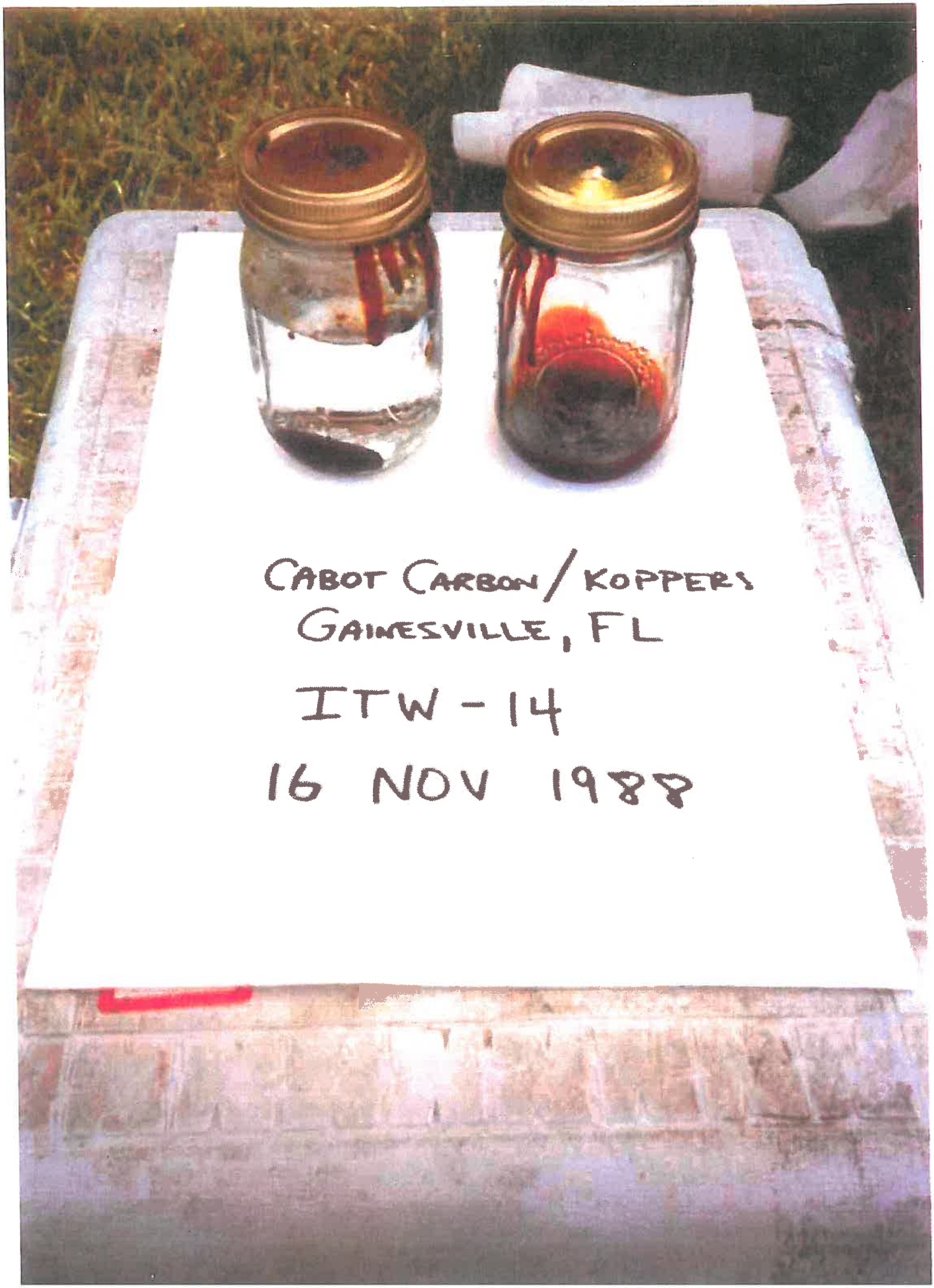
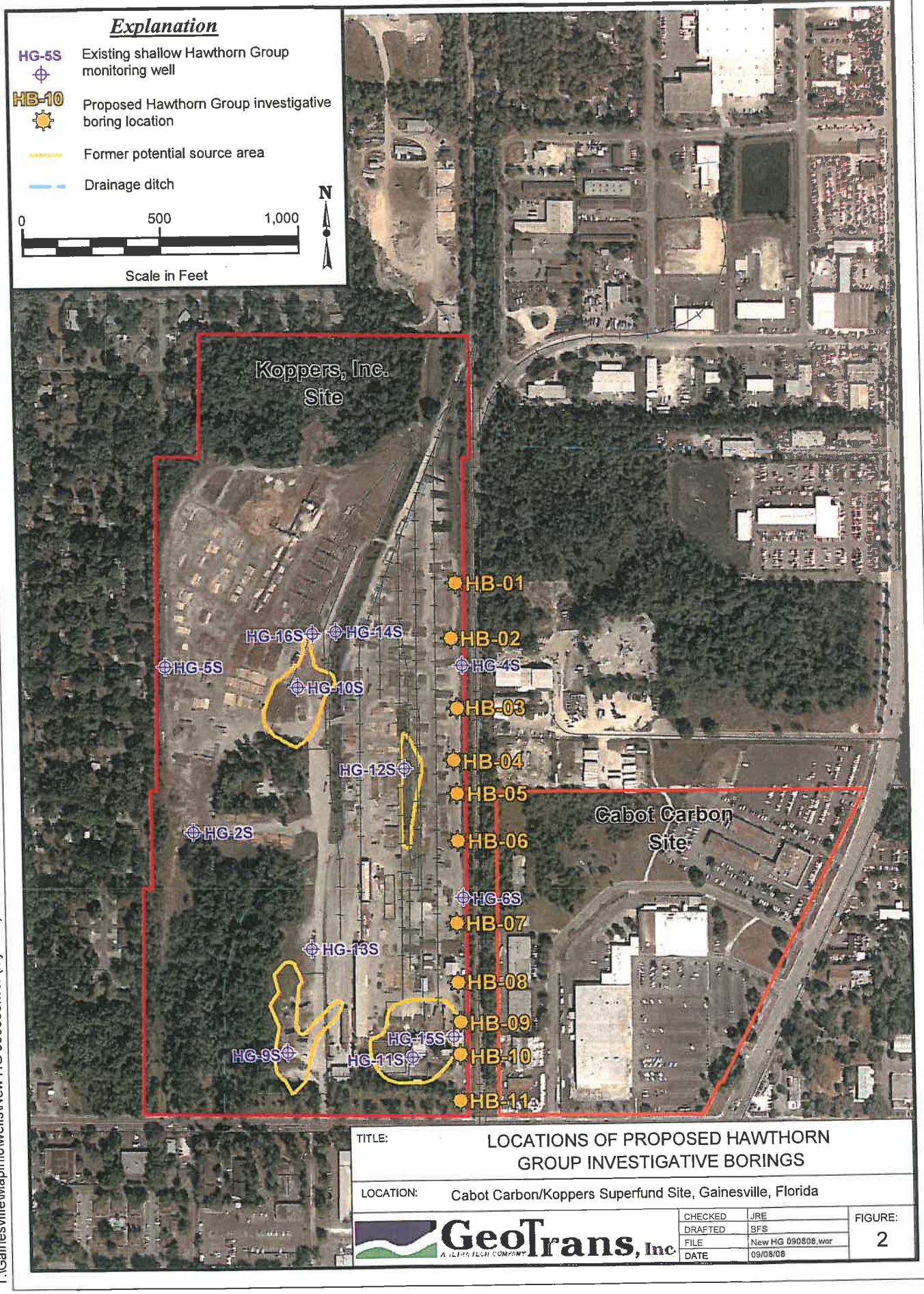



Figure 6A. Groundwater elevation and Cumulative DNAPL Recovered


SOIL
-4


CABOT CARBON / KOPPERS
GAINESVILLE, FL
ITW - 14
16 NOV 1988




TITLE: LOCATIONS OF PROPOSED HAWTHORN GROUP INVESTIGATIVE BORINGS

LOCATION: Cabot Carbon/Koppers Superfund Site, Gainesville, Florida

GeoTrans, Inc.
A TETRA TECH COMPANY

| | |
|---|---|
| CHECKED | JRE |
| DRAFTED | BFS |
| FILE | New HG 090808.wor |
| DATE | 09/08/08 |

FIGURE: 2

T:\Gainesville\MapInfo\wells\New HG 090808.wor (layout 1)