

### Lower Hawthorn Benzene Concentrations, Koppers Site, 2003 - 2009

● Hawthorn Well  
● Hawthorn Well with NAPL Detected  
● Hawthorn Well with NAPL Recovered  
● Proposed Hawthorn Well  
 Koppers DNAPL Source Area

Note: NAPL detection/recovery designations are based on the GeoTrans, October 2009 Monthly Progress Report Passive NAPL Recovery Table

**Bold** = Benzene Concentration is at or above GCTL (1 ug/L)

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

\*\* = Estimated Value

\* = Below Laboratory Detection Limit



Well ID	June 03	Nov. 03	Apr. 04
HG-07	-	-	-

Well ID	June 03	Nov. 03	Apr. 04
HG-17D	-	-	-

Well ID	Dec. 07	Sept. 08	Aug. 09
HG-25D	-	-	-

Well ID	July 04	Sept. 08
HG-16D	<b>19.6</b>	<b>17</b>

Well ID	June 03	Nov. 03	Apr. 04	Dec. 07	Sept. 08
HG-05D	<b>10</b>	<b>8.9*</b>	<b>2.0*</b>	0.51 J	<b>4.6</b>

Well ID	June 03	Nov. 03	Apr. 04
HG-08	-	-	-

Well ID	Dec. 07	Sept. 08	Aug. 09
HG-23D	-	-	-

Well ID	July 04	Sept. 08
HG-10D	<b>137</b>	<b>105*</b>

Well ID	June 03	Nov. 03	Apr. 04	Dec. 07	Sept. 08
HG-02D	<b>128.5*</b>	<b>139*</b>	<b>93.7*</b>	<b>5.4</b>	<b>11</b>

Well ID	Sept. 08	Aug. 09
HG-22D	-	-

Well ID	June 03	Nov. 03	Apr. 04
ITF-01	-	0.58	-

Well ID	Aug. 09
HG-27D	-

Well ID	Dec. 07	Sept. 08	Aug. 09
HG-21D	-	-	-
ITF-2	-	-	-
HG-21S	-	-	-

Well ID	June 03	Nov. 03	Apr. 04
ITF-02	-	-	-

Well ID	Dec. 07	Sept. 08	Aug. 09
HG-20D	0.47 J	-	0.51 J*

Well ID	June 03	Nov. 03	Apr. 04	Dec. 07	Sept. 08
HG-04I	<b>28</b>	<b>35</b>	<b>25</b>	<b>15</b>	<b>18</b>

Well ID	June 03	Nov. 03	Apr. 04	Dec. 07	Sept. 08
HG-04D	<b>20</b>	<b>24.65*</b>	<b>19.2</b>	0.84 J	<b>20</b>

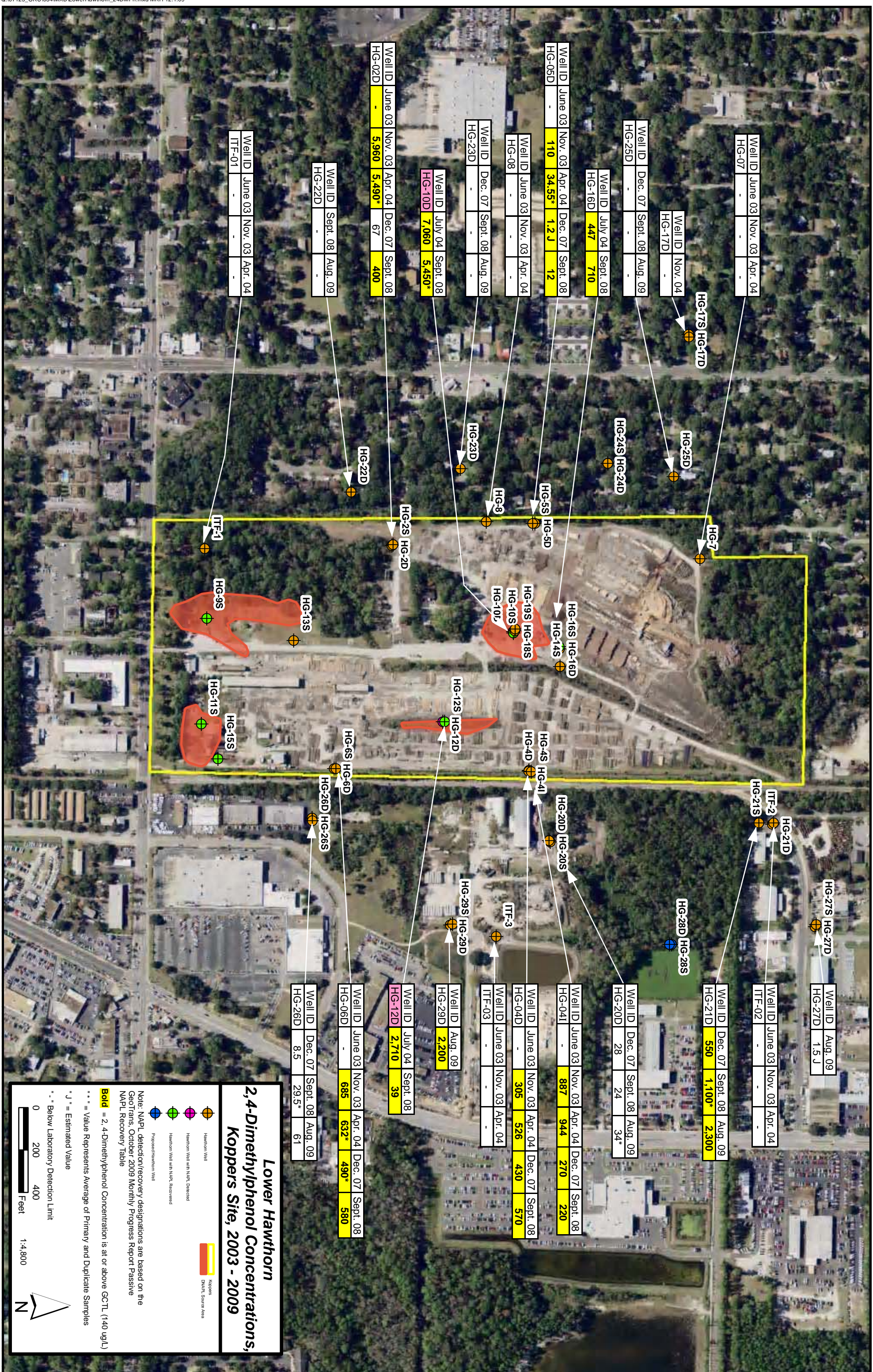
Well ID	June 03	Nov. 03	Apr. 04
ITF-03	-	-	-

Well ID	Aug. 09
HG-29D	<b>150</b>

Well ID	July 04	Sept. 08
HG-12D	<b>86.05*</b>	<b>9.2</b>

Well ID	June 03	Nov. 03	Apr. 04	Dec. 07	Sept. 08
HG-06D	-	<b>39</b>	<b>36.7*</b>	<b>37</b>	<b>44</b>

Well ID	Dec. 07	Sept. 08	Aug. 09
HG-26D	0.38 J	0.965*	<b>2.8</b>



### Lower Hawthorn 2,4-Dimethylphenol Concentrations, Koppers Site, 2003 - 2009

Note: NAPL detection/recovery designations are based on the GeoTrans October 2009 Monthly Progress Report Passive NAPL Recovery Table

**Bold** = 2,4-Dimethylphenol Concentration is at or above GC-TL (140 ug/L)

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

\*\* = Estimated Value

\* = Below Laboratory Detection Limit

Legend:

- Hampton Well
- Hampton Well with NAPL Detected
- Hampton Well with NAPL Recovered
- Proposed Hampton Well
- Koppers Source Area

Scale: 0, 200, 400, 1-4,800 Feet

North Arrow

Well ID	June 03	Nov. 03	Apr. 04
HG-07	-	-	-

Well ID	Nov. 04
HG-17D	-

Well ID	Dec. 07	Sept. 08	Aug. 09
HG-25D	-	-	-

Well ID	July 04	Sept. 08
HG-16D	<b>447</b>	<b>710</b>

Well ID	June 03	Nov. 03	Dec. 07	Sept. 08
HG-05D	-	<b>110</b>	<b>34.55*</b>	<b>1.2 J</b>

Well ID	June 03	Nov. 03	Apr. 04
HG-08	-	-	-

Well ID	Dec. 07	Sept. 08	Aug. 09
HG-23D	-	-	-

Well ID	July 04	Sept. 08
HG-10D	<b>7,060</b>	<b>5,450*</b>

Well ID	June 03	Nov. 03	Apr. 04	Dec. 07	Sept. 08
HG-02D	-	<b>5,960</b>	<b>5,490*</b>	67	<b>400</b>

Well ID	Sept. 08	Aug. 09
HG-22D	-	-

Well ID	June 03	Nov. 03	Apr. 04
ITF-01	-	-	-

Well ID	Aug. 09
HG-27D	1.5 J

Well ID	June 03	Nov. 03	Apr. 04
HG-21D	-	-	-
ITF-02	-	-	-

Well ID	Dec. 07	Sept. 08	Aug. 09
HG-21D	<b>550</b>	<b>1,100*</b>	<b>2,300</b>

Well ID	Dec. 07	Sept. 08	Aug. 09
HG-20D	28	24	34*

Well ID	June 03	Nov. 03	Apr. 04	Dec. 07	Sept. 08
HG-04I	-	<b>887</b>	<b>944</b>	<b>270</b>	<b>220</b>

Well ID	June 03	Nov. 03	Apr. 04	Dec. 07	Sept. 08
HG-04D	-	<b>305</b>	<b>526</b>	<b>430</b>	<b>570</b>

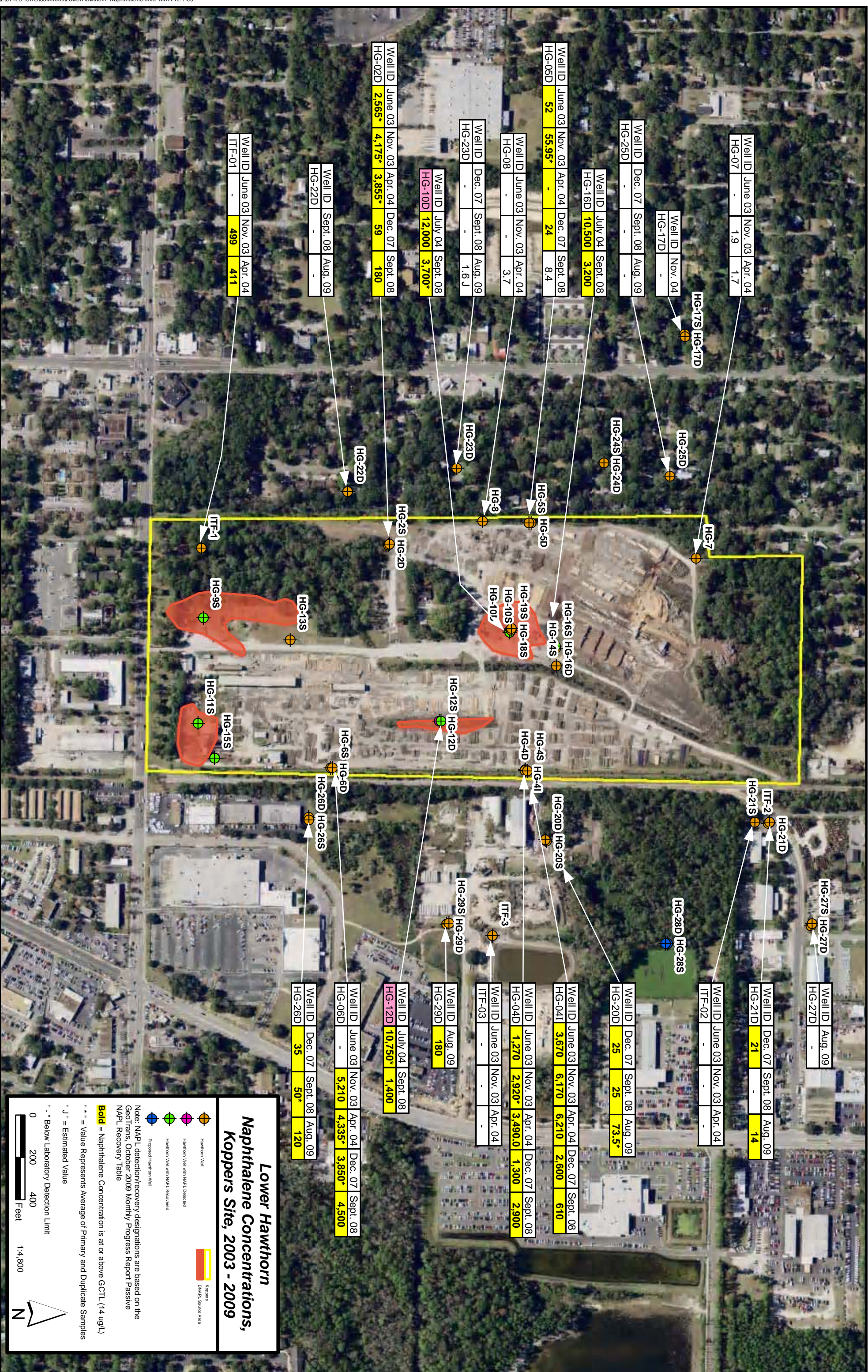
Well ID	June 03	Nov. 03	Apr. 04
ITF-03	-	-	-

Well ID	Aug. 09
HG-29D	<b>2,200</b>

Well ID	July 04	Sept. 08
HG-12D	<b>2,710</b>	<b>39</b>

Well ID	June 03	Nov. 03	Apr. 04	Dec. 07	Sept. 08
HG-06D	-	<b>685</b>	<b>632*</b>	<b>490*</b>	<b>580</b>

Well ID	Dec. 07	Sept. 08	Aug. 09
HG-26D	8.5	29.5*	61



Well ID	June 03	Nov. 03	Apr. 04
HG-07	-	1.9	1.7

Well ID	June 03	Nov. 03	Apr. 04
HG-17D	-	-	-

Well ID	Dec. 07	Sept. 08	Aug. 09
HG-25D	-	-	-

Well ID	July 04	Sept. 08
HG-16D	10,500	3,200

Well ID	June 03	Nov. 03	Apr. 04	Sept. 08
HG-05D	52	55.95*	24	8.4

Well ID	June 03	Nov. 03	Apr. 04
HG-08	-	-	3.7

Well ID	Dec. 07	Sept. 08	Aug. 09
HG-23D	-	-	1.6 J

Well ID	July 04	Sept. 08
HG-10D	12,000	3,700*

Well ID	June 03	Nov. 03	Apr. 04	Sept. 08
HG-02D	2,565*	4,175*	3,855*	59
				180

Well ID	Sept. 08	Aug. 09
HG-22D	-	-

Well ID	June 03	Nov. 03	Apr. 04
ITF-01	-	499	411

Well ID	Aug. 09
HG-27D	-

Well ID	Dec. 07	Sept. 08	Aug. 09
HG-21D	21	-	14

Well ID	June 03	Nov. 03	Apr. 04
ITF-02	-	-	-

Well ID	Dec. 07	Sept. 08	Aug. 09
HG-20D	25	25	73.5*

Well ID	June 03	Nov. 03	Apr. 04	Sept. 08
HG-04I	3,670	6,170	6,210	610

Well ID	June 03	Nov. 03	Apr. 04	Sept. 08
HG-04D	1,270	2,920*	3,490.0	2,900

Well ID	June 03	Nov. 03	Apr. 04
ITF-03	-	-	-

Well ID	Aug. 09
HG-29D	180

Well ID	July 04	Sept. 08
HG-12D	10,750*	1,400

Well ID	June 03	Nov. 03	Apr. 04	Sept. 08
HG-06D	-	5,210	4,335*	3,850*
				4,500

Well ID	Dec. 07	Sept. 08	Aug. 09
HG-26D	35	50*	120

### Lower Hawthorn Naphthalene Concentrations, Koppers Site, 2003 - 2009

- Hawthorn Well
- Hawthorn Well with NAPL Detected
- Hawthorn Well with NAPL Recovered
- Proposed Hawthorn Well

Note: NAPL detection/recovery designations are based on the GeoTrans, October 2009 Monthly Progress Report Passive NAPL Recovery Table

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

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

\*\* = Estimated Value

\* = Below Laboratory Detection Limit

