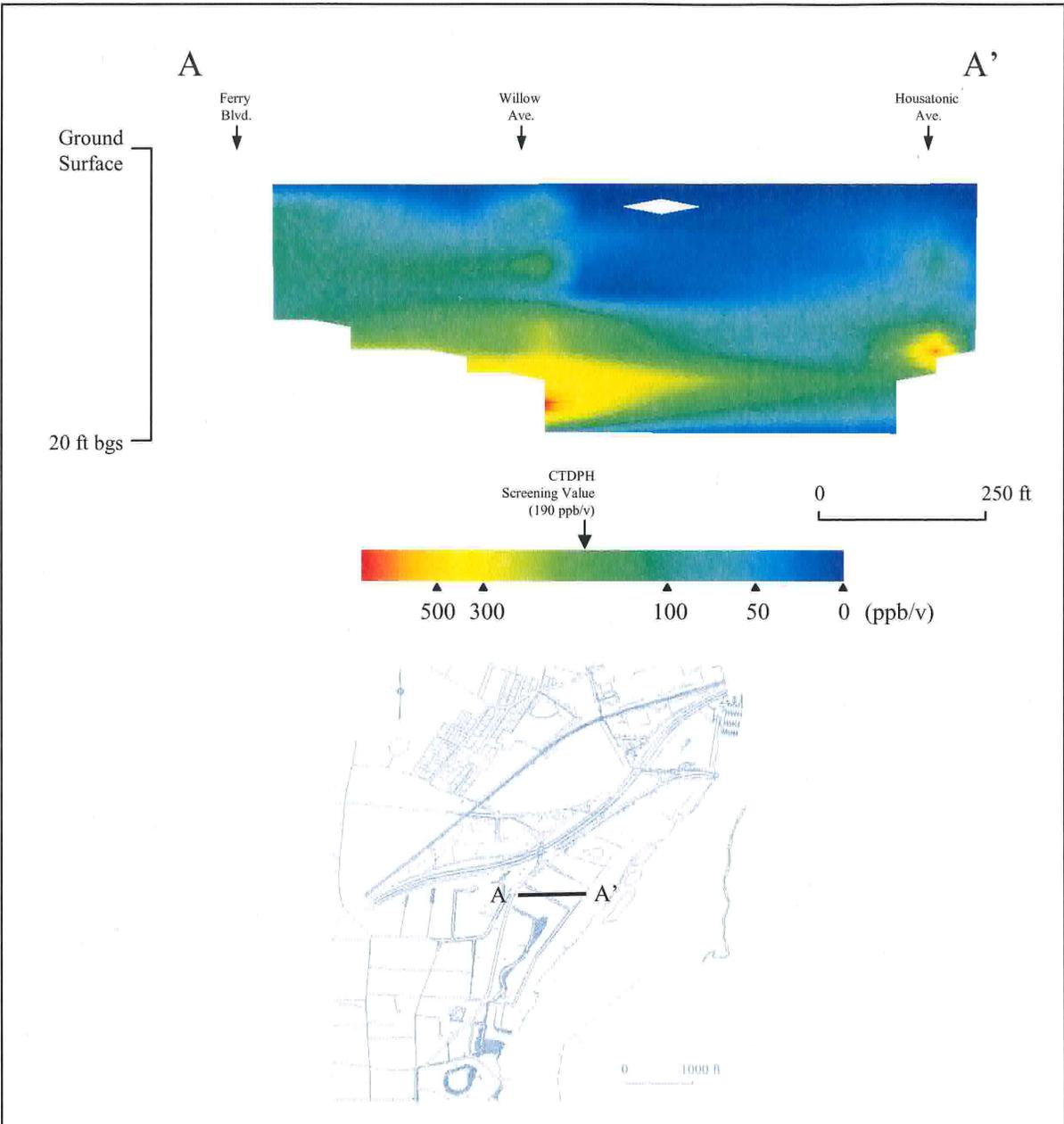


1. Map was generated from sample data collected between February 2002 and July 2002.
2. Colored portion of the map represents the areal extent of the modeling domain. The areal extent of contamination may be greater than that shown.
3. Computer model smooths data values. As a result, actual concentrations at some locations may be significantly different from those shown.
4. Color scale was split into four linear segments to better visualize concentration distribution. Color scaling is linear from 0 to 50 ppb/v, 50 to 100 ppb/v, 100 to 300 ppb/v, and 300 to 500 ppb/v.

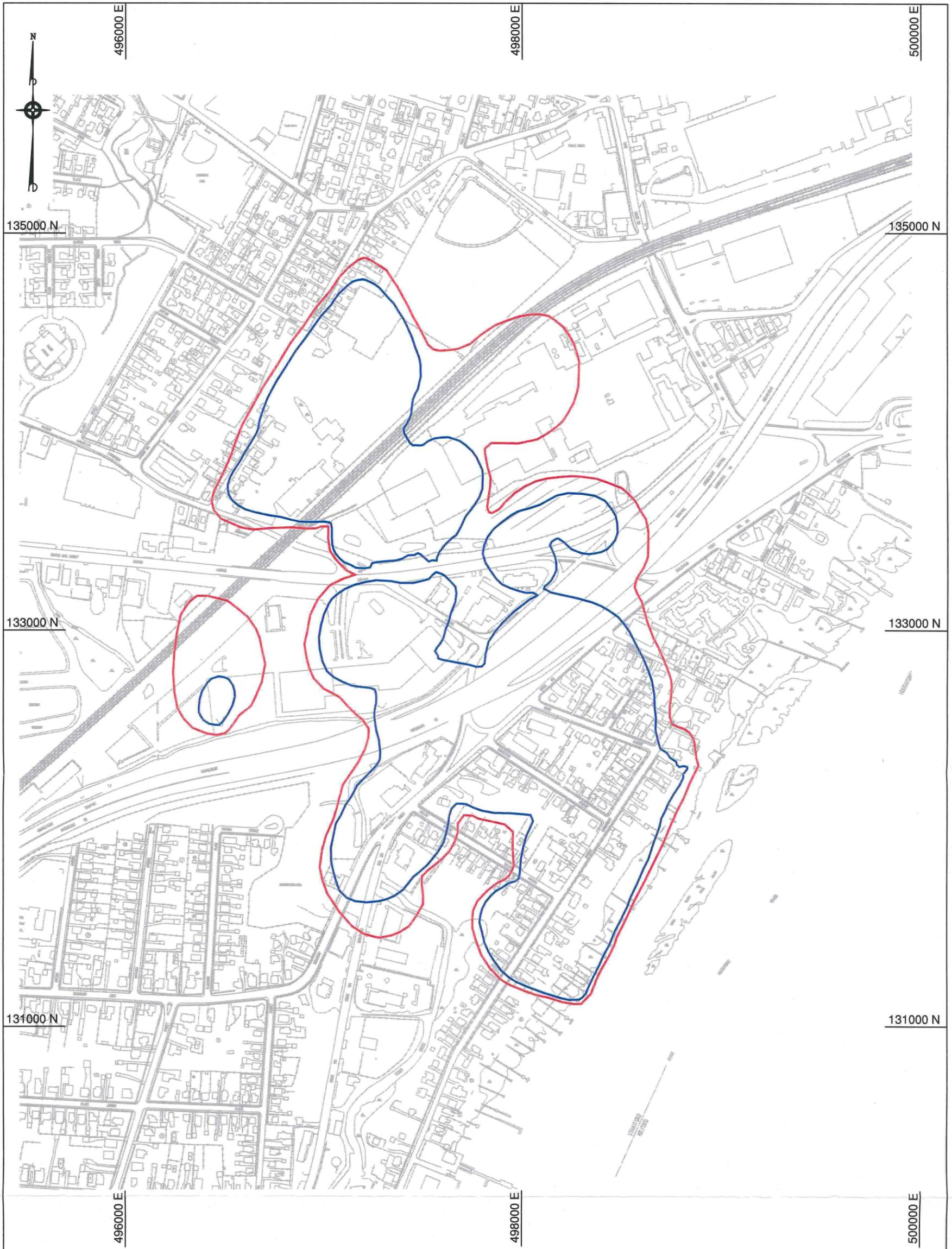
<b>TRICHLOROETHENE CONCENTRATIONS</b> In soil gas 8 feet below the ground surface		<b>FIGURE 4-18</b>	
RAYMARK - OU2 - STRATFORD, CT		 <b>TETRA TECH NUS, INC.</b> 55 JONSPIN RD                      WILMINGTON, MA (978) 658-7899	
PROJECT MANAGER	H. FORD		
CREATED BY:	G. STURGEON		
CHECKED BY:			
SCALE:	AS SHOWN      DATE: NOVEMBER 23, 2004		



**Notes**

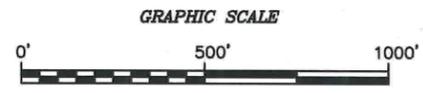
1. Map was generated from sample data collected between February 2002 and July 2002.
2. Colored portion of the map represents the areal extent of the modeling domain. The areal extent of contamination may be greater than that shown.
3. Computer model smooths data values. As a result, actual concentrations at some locations may be significantly different from those shown.
4. Color scale was split into four linear segments to better visualize concentration distribution. Color scaling is linear from 0 to 50 ppb/v, 50 to 100 ppb/v, 100 to 300 ppb/v, and 300 to 500 ppb/v.

<b>TRICHLOROETHENE CONCENTRATIONS</b> In soil gas along cross-section line A-A'		<b>FIGURE 4-19</b>	
RAYMARK - OU2 - STRATFORD, CT		 <b>TETRA TECH NUS, INC.</b>	
PROJECT MANAGER	H. FORD	55 JONSPIN RD	WILMINGTON, MA
CREATED BY:	G. STURGEON		
CHECKED BY:			
SCALE:	AS SHOWN	DATE:	NOVEMBER 23, 2004
		<b>(978) 658-7899</b>	



**NOTES:**

1. ALL LOCATIONS TO BE CONSIDERED APPROXIMATE.
2. PLAN NQI TO BE USED FOR DESIGN.
3. BASE PLAN COMPILED FROM THE FOLLOWING: DIVERSIFIED TECHNOLOGIES CORPORATION, NORTH HAVEN, CT; GEOD-PHOTOGRAMMETRIC SCIENCES SURVEY TECHNOLOGY, NEWFOUNDLAND, NJ; DELUCA-HOFFMAN ASSOCIATES, INC., S. PORTLAND, ME; CT-GIS; AND EPIC AERIAL PHOTOGRAPHY.
4. THE INDOOR AIR AREA OF INTEREST FOR RESIDENTIAL AND COMMERCIAL PROPERTIES ARE REPRESENTED BY THE AREA ENCLOSED BY THE TRICHLOROETHANE CONNECTICUT RESIDENTIAL CRITERIA ( $27 \mu\text{g/L}$ ) AND THE CONNECTICUT INDUSTRIAL VOLATILIZATION CRITERIA ( $67 \mu\text{g/L}$ ), RESPECTIVELY.
5. CONTOURS BASED ON VIEW OF TCE AT -2 ft. (NGVD 1929). REFER TO FIGURE 4-6 FOR DETAILED TCE PLUME MAP AND FURTHER DETAILS ON PLUME MAP CONSTRUCTION.



- LEGEND**
- $67 \mu\text{g/L}$  (PROPOSED TRICHLOROETHANE CONNECTICUT INDUSTRIAL VOLATILIZATION CRITERION)
  - $27 \mu\text{g/L}$  (PROPOSED TRICHLOROETHANE CONNECTICUT RESIDENTIAL VOLATILIZATION CRITERION)

INDOOR AIR AREA OF CONCERN	
RAYMARK – OU2 – GROUNDWATER	
STRATFORD, CONNECTICUT	
DRAWN BY: D.W. MACDOUGALL	REV.: 0
CHECKED BY: J. LAMBERT	DATE: NOVEMBER 23, 2004
SCALE: AS NOTED	FILE NO.: DWG\4236\0900\INDOOR_AIR_AOC.DWG

FIGURE 4-20

**TETRA TECH NUS, INC.**

55 Jonspin Road      Wilmington, MA 01887  
(978)658-7899



RAYBESTOS  
MEMORIAL  
BALLFIELD

(A) TOLUENE RELEASE  
LOCATION

CONTRACT  
PLATING

FORMER  
RAYMARK  
FACILITY

1,1,1-TCA RELEASE  
LOCATION

(C)

(D)

LAGOON NO. 4

(B)

FORMER ACID  
NEUTRALIZATION  
PIT AREAS

LAGOON NO. 1

LAGOON NO. 2

(E)

600 EAST  
BROADWAY

(F)

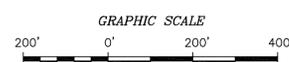
LEGEND

-  GROUNDWATER FLOW LINE - WATER TABLE
-  GROUNDWATER FLOW LINE - DEEP AQUIFER
-  DRAINAGE PATH FROM C TO D

- (A) 1984 TOLUENE SPILL
- (B) ACID NEUTRALIZATION PITS
- (C) 1987 1,1,1-TRICHLOROETHENE SPILL
- (D) LAGOON 4
- (E) LAGOONS ON CONTRACT PLATING

(F) RAYMARK FACILITY WASTE  
TWO FLOWLINES WERE MODELED DUE TO THE  
APPARENT COMPLEXITY IN SHALLOW GROUNDWATER  
FLOW DIRECTIONS AT THIS SOURCE.

- NOTES:
1. ALL LOCATIONS TO BE CONSIDERED APPROXIMATE.
  2. PLAN NOT TO BE USED FOR DESIGN.
  3. BASE PLAN COMPILED FROM THE FOLLOWING:  
DIVERSIFIED TECHNOLOGIES CORPORATION, NORTH HAVEN,  
CT; GEOD-PHOTOGRAMMETRIC SCIENCES SURVEY  
TECHNOLOGY, NEWFOUNDLAND, NJ; DELUCA-HOFFMAN  
ASSOCIATES, INC., S. PORTLAND, ME; CT-GIS; AND EPIC  
AERIAL PHOTOGRAPHS.

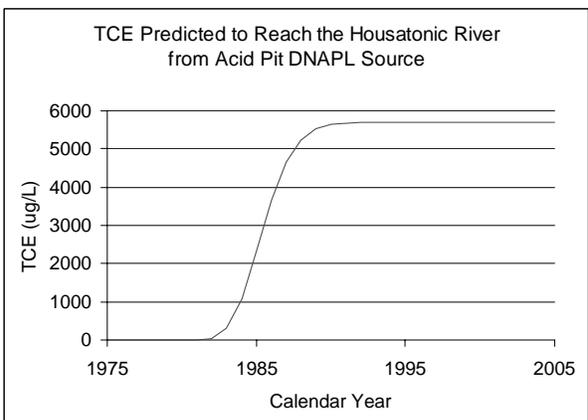
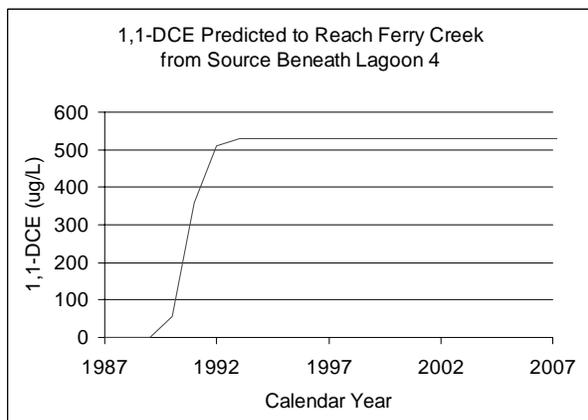
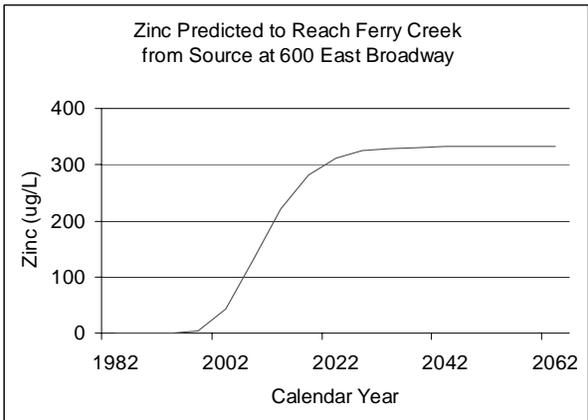
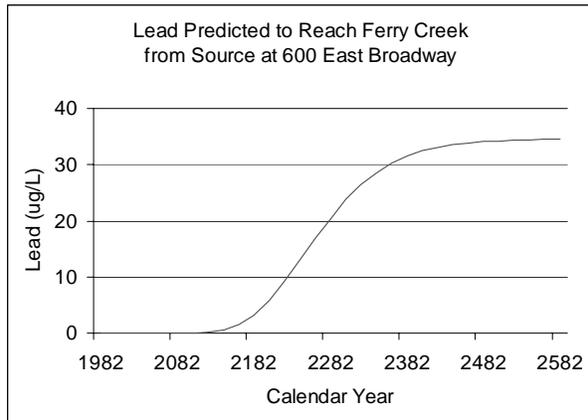
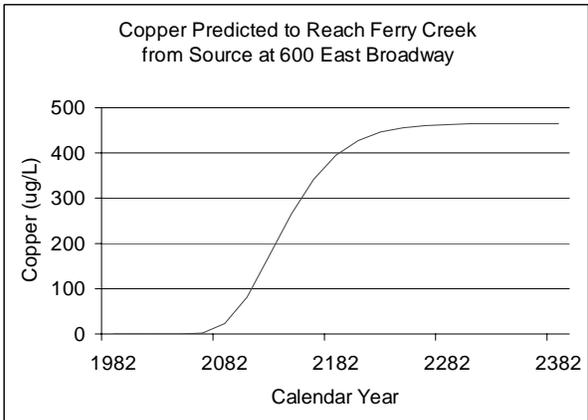
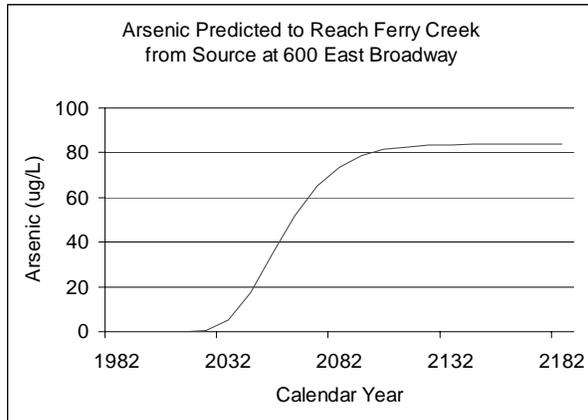


DRAWN BY: D.W. MACDOUGALL  
 PREPARED BY: G. STURGEON  
 CHECKED BY: D. CHISHOLM

TITLE: SELECTED SOURCES AND FLOWLINES  
 RAYMARK - OU2 - GROUNDWATER  
 REMEDIAL INVESTIGATION  
 STRATFORD, CONNECTICUT

SOURCE: NOTE NO. 3  
 SCALE: AS NOTED DATE: NOVEMBER 8, 2004 PROJ. NO: N4236  
 DRAWING NO: 5-1 ACFILE NAME: DWG\4236\0900\SOURCES.DWG REV: 0

 TETRA TECH NUS, INC.  
 55 JONSPIN ROAD  
 WILMINGTON, MASSACHUSETTS 01887  
 (978)658-7899



**Notes**

1. Concentration vs. arrival time graphs are not shown for the metals emanating from the Lagoons on 540 Longbrook Ave, because the metals may never reach the Housatonic River (see Sections 5.1.2 and 5.3.4.2).
2. Concentration vs. arrival time graphs are not shown for the metals traveling from the 600 East Broadway source to the Ferry Boulevard swale, because the model results indicate the metals will never be a significant source of contamination to the surface water in the swale (see Section 5.3.4.1).

<b>PREDICTED CONCENTRATION VS. TIME</b>		<b>FIGURE 5-2</b>	
<b>RAYMARK - OU2 - GROUNDWATER</b>		<b>TETRA TECH NUS, INC.</b> 55 JONSPIN ROAD      WILMINGTON, MA 01887 (978)658-7899	
<b>STRATFORD, CONNECTICUT</b>			
PROJECT MANAGER:	H. FORD		
PREPARED BY:	G. STURGEON		
SCALE:	AS SHOWN	DATE:	AUGUST 12, 2004