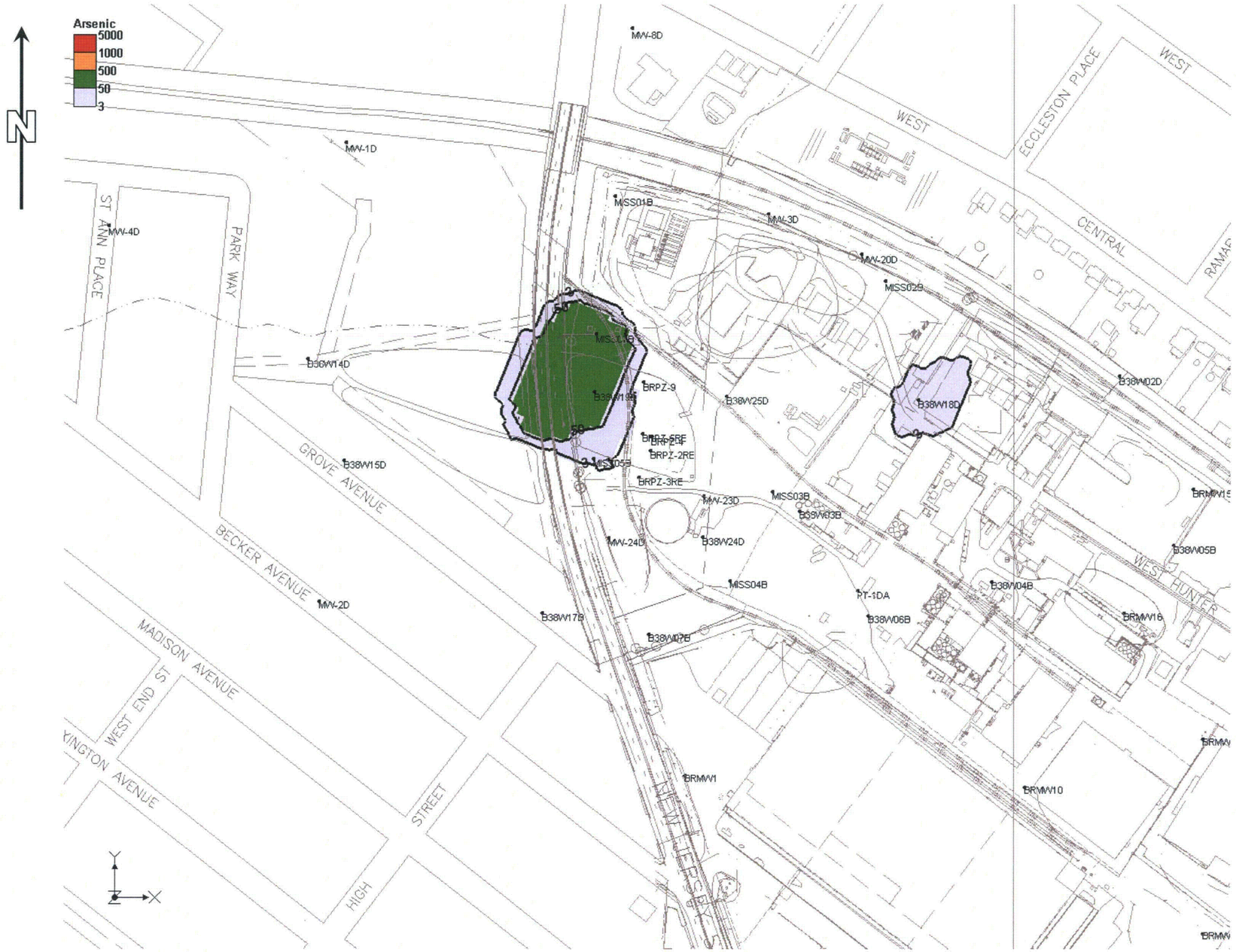


NOTES:

1. THE OVERBURDEN AQUIFER IS NOT PRESENT IN AREAS WITH MODEL GRID.

2. ARSENIC CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).

3. THE REGULATORY LIMIT FOR ARSENIC IS 3 UG/L.

4. YEAR ZERO ARSENIC CONCENTRATIONS ARE BASED ON GROUNDWATER MONITORING RESULTS OBTAINED BETWEEN 2000 AND 2002.

SCALE

1 INCH = 250 FEET

FIGURE 8-12A

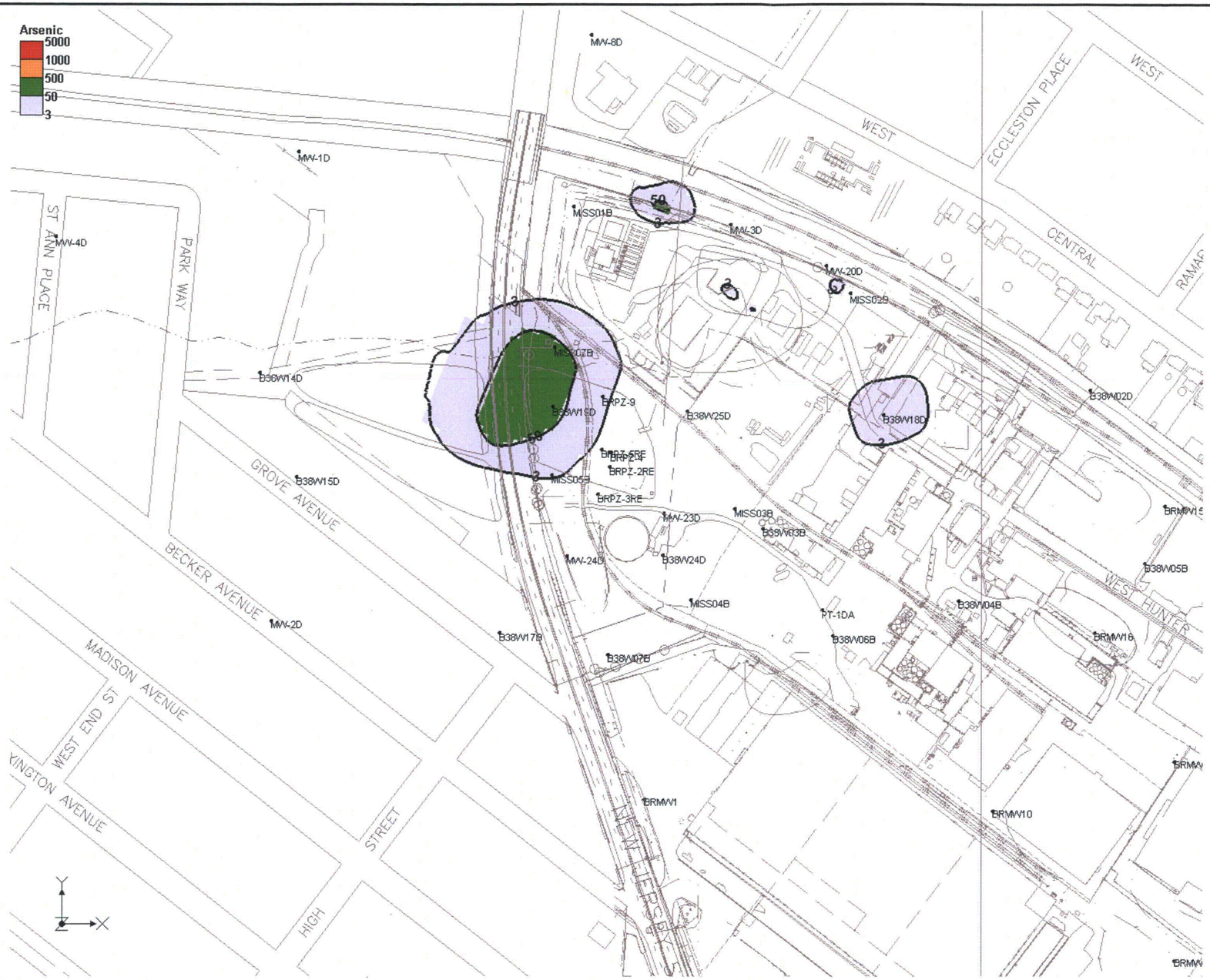
ARSENIC IN SHALLOW BEDROCK GROUNDWATER –YEAR ZERO

MAYWOOD SUPERFUND SITE, NEW JERSEY

US Army Corps of Engineers.

FUSRAP Maywood Superfund Site

Shaw Shaw Environmental, Inc.



NOTES:

1. ARSENIC CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).

2. THE REGULATORY LIMIT FOR ARSENIC IS 3 UG/L.

SCALE

1 INCH = 250 FEET

FIGURE 8-12B

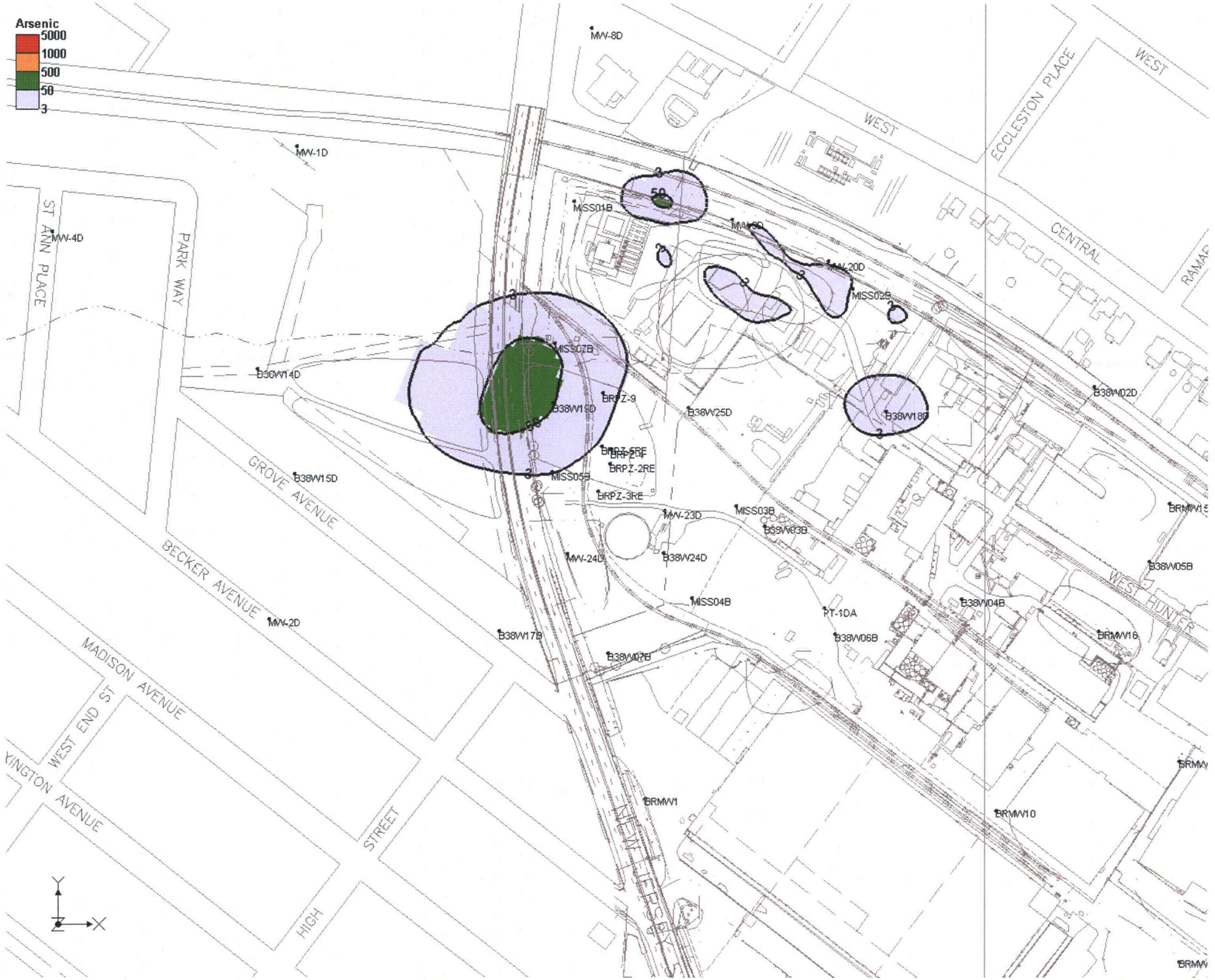
ARSENIC IN SHALLOW BEDROCK GROUNDWATER AFTER 5 YEARS OF NO ACTION / NATURAL ATTENUATION

MAYWOOD SUPERFUND SITE, NEW JERSEY

US Army Corps of Engineers

FUSRAP Maywood Superfund Site

Shaw Shaw Environmental, Inc.



NOTES:

1. ARSENIC CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).

2. THE REGULATORY LIMIT FOR ARSENIC IS 3 UG/L.

SCALE

1 INCH = 250 FEET

FIGURE 8-12C

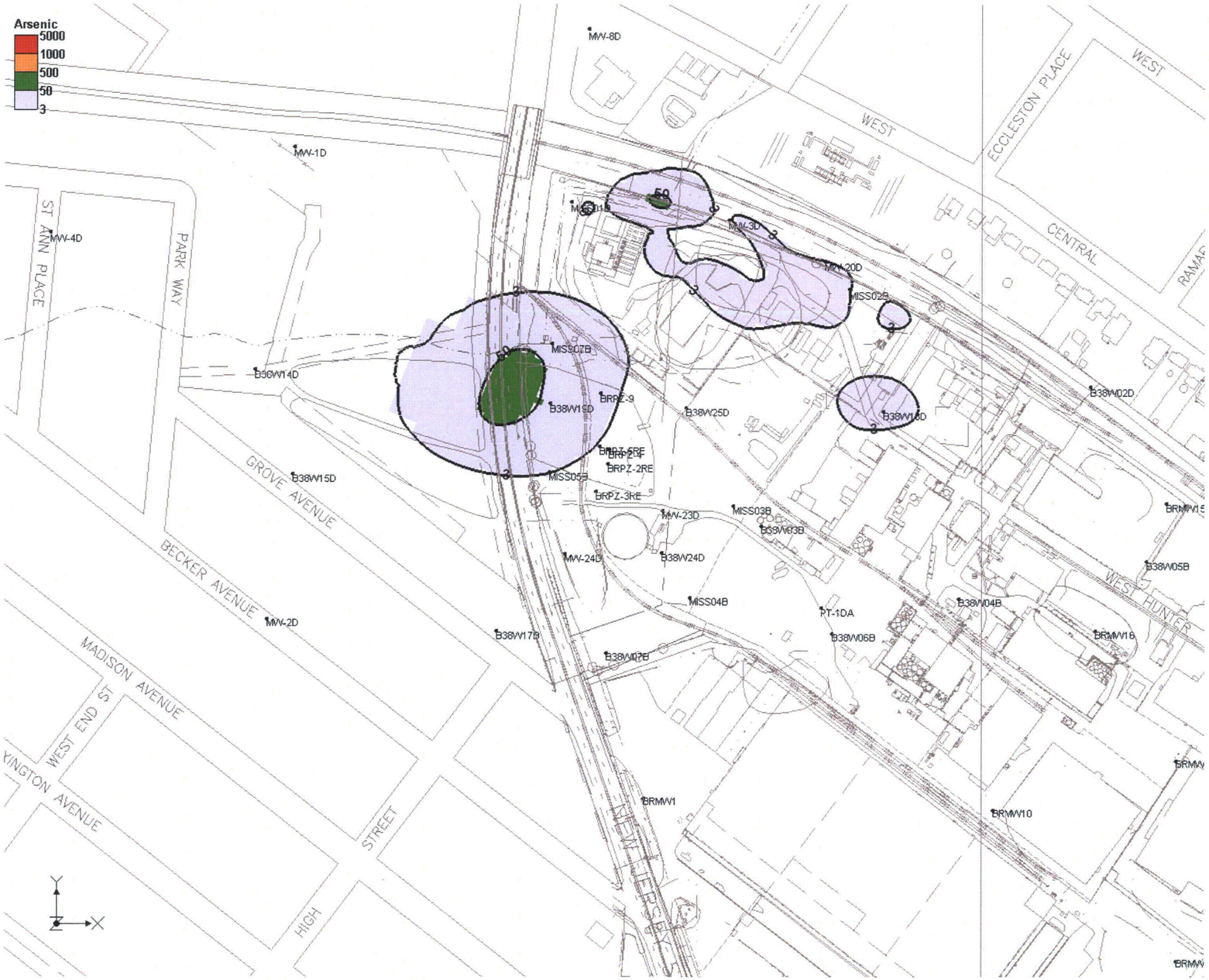
ARSENIC IN SHALLOW BEDROCK GROUNDWATER AFTER 10 YEARS OF NO ACTION / NATURAL ATTENUATION

MAYWOOD SUPERFUND SITE, NEW JERSEY

US Army Corps of Engineers.

FUSRAP Maywood Superfund Site

Shaw Environmental, Inc.



NOTES:

1. ARSENIC CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).

2. THE REGULATORY LIMIT FOR ARSENIC IS 3 UG/L.

SCALE

1 INCH = 250 FEET

FIGURE 8-12D

ARSENIC IN SHALLOW BEDROCK GROUNDWATER AFTER 15 YEARS OF NO ACTION / NATURAL ATTENUATION

MAYWOOD SUPERFUND SITE, NEW JERSEY

US Army Corps of Engineers

FUSRAP Maywood Superfund Site

Shaw Environmental, Inc.

NOTES:

1. ARSENIC CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).

2. THE REGULATORY LIMIT FOR ARSENIC IS 3 UG/L.

SCALE

1 INCH = 250 FEET

FIGURE 8-12E

ARSENIC IN SHALLOW BEDROCK GROUNDWATER AFTER 20 YEARS OF NO ACTION / NATURAL ATTENUATION

MAYWOOD SUPERFUND SITE, NEW JERSEY

US Army Corps of Engineers.

FUSRAP Maywood Superfund Site

Shaw Environmental, Inc.

NOTES:

1. ARSENIC CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).

2. THE REGULATORY LIMIT FOR ARSENIC IS 3 UG/L.

SCALE

1 INCH = 250 FEET

FIGURE 8-12F

ARSENIC IN SHALLOW BEDROCK GROUNDWATER AFTER 25 YEARS OF NO ACTION / NATURAL ATTENUATION

MAYWOOD SUPERFUND SITE, NEW JERSEY

US Army Corps of Engineers.

FUSRAP Maywood Superfund Site

Shaw Environmental, Inc.

NOTES:

1. ARSENIC CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).

2. THE REGULATORY LIMIT FOR ARSENIC IS 3 UG/L.

SCALE

1 INCH = 250 FEET

FIGURE 8-12G

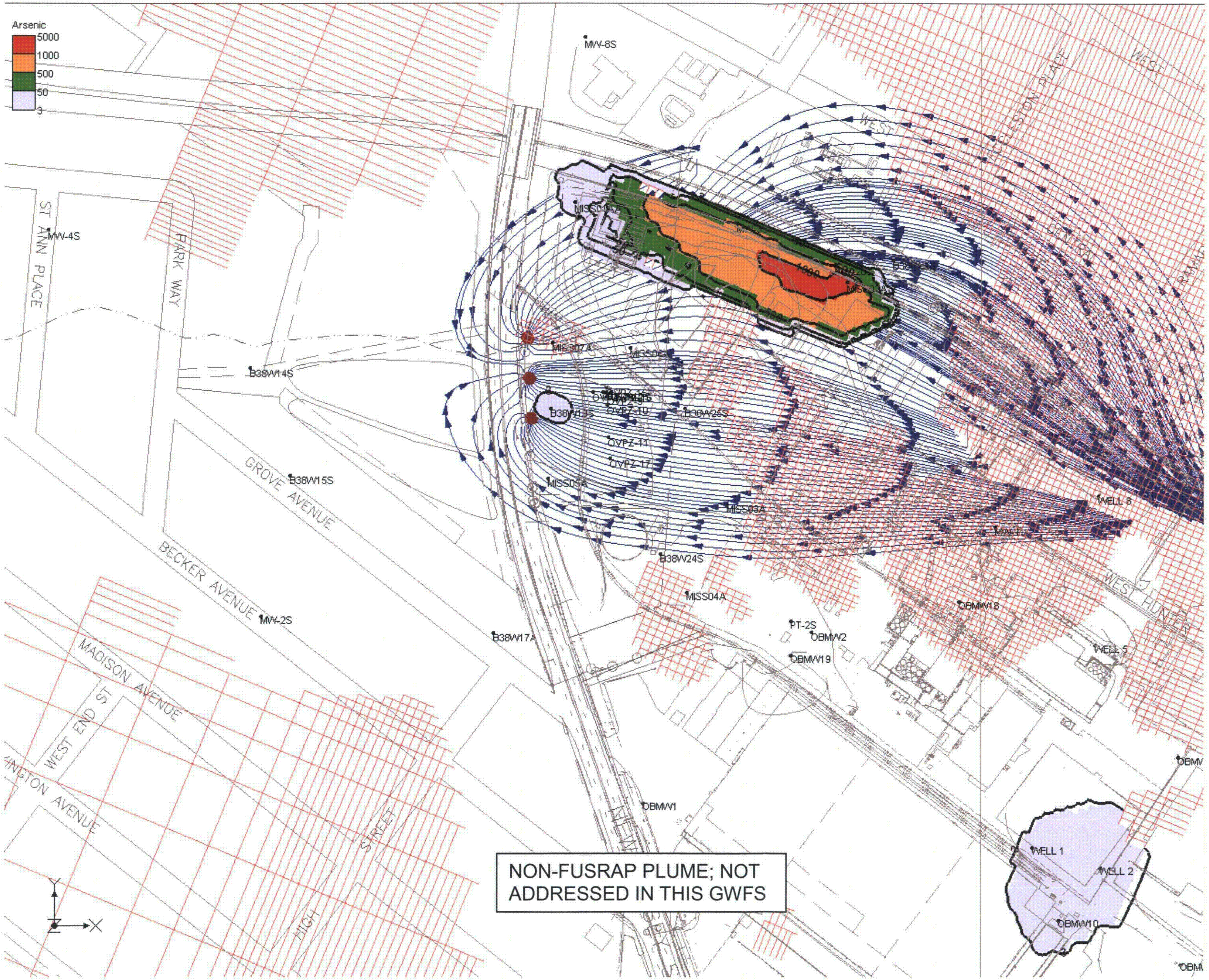
ARSENIC IN SHALLOW BEDROCK GROUNDWATER AFTER 30 YEARS OF NO ACTION / NATURAL ATTENUATION

MAYWOOD SUPERFUND SITE, NEW JERSEY

US Army Corps of Engineers

FUSRAP Maywood Superfund Site

Shaw Shaw Environmental, Inc.



NOTES:

1. THE OVERBURDEN AQUIFER IS NOT PRESENT IN AREAS WITH MODEL GRID.

2. GROUNDWATER EXTRACTION WELLS ARE LOCATED IN THE SHALLOW BEDROCK; NO EXTRACTION WELLS ARE PROPOSED IN THE OVERBURDEN DUE TO SMALL SATURATED THICKNESS. HOWEVER, GROUNDWATER FLOW PATHS AND CONCENTRATIONS IN THE OVERBURDEN AQUIFER ARE ALSO AFFECTED BY PUMPING IN THE SHALLOW BEDROCK.

3. ARSENIC PLUME IS INITIAL (YEAR ZERO) CONDITIONS BASED ON GROUNDWATER MONITORING RESULTS OBTAINED BETWEEN 2000 AND 2002.

4. ARSENIC CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).

5. THE REGULATORY LIMIT FOR ARSENIC IS 3 UG/L.

LEGEND:

● PARTICLE TRAJECTORY TERMINATION LOCATION (OVERLYING SHALLOW BEDROCK EXTRACTION WELL LOCATION)

← GROUNDWATER FLOW PATH

◄ ONE YEAR TRAVEL DISTANCE MARKER

SCALE

1 INCH = 250 FEET

FIGURE 8-13A

CAPTURE ZONE FOR OVERBURDEN ARSENIC PLUME

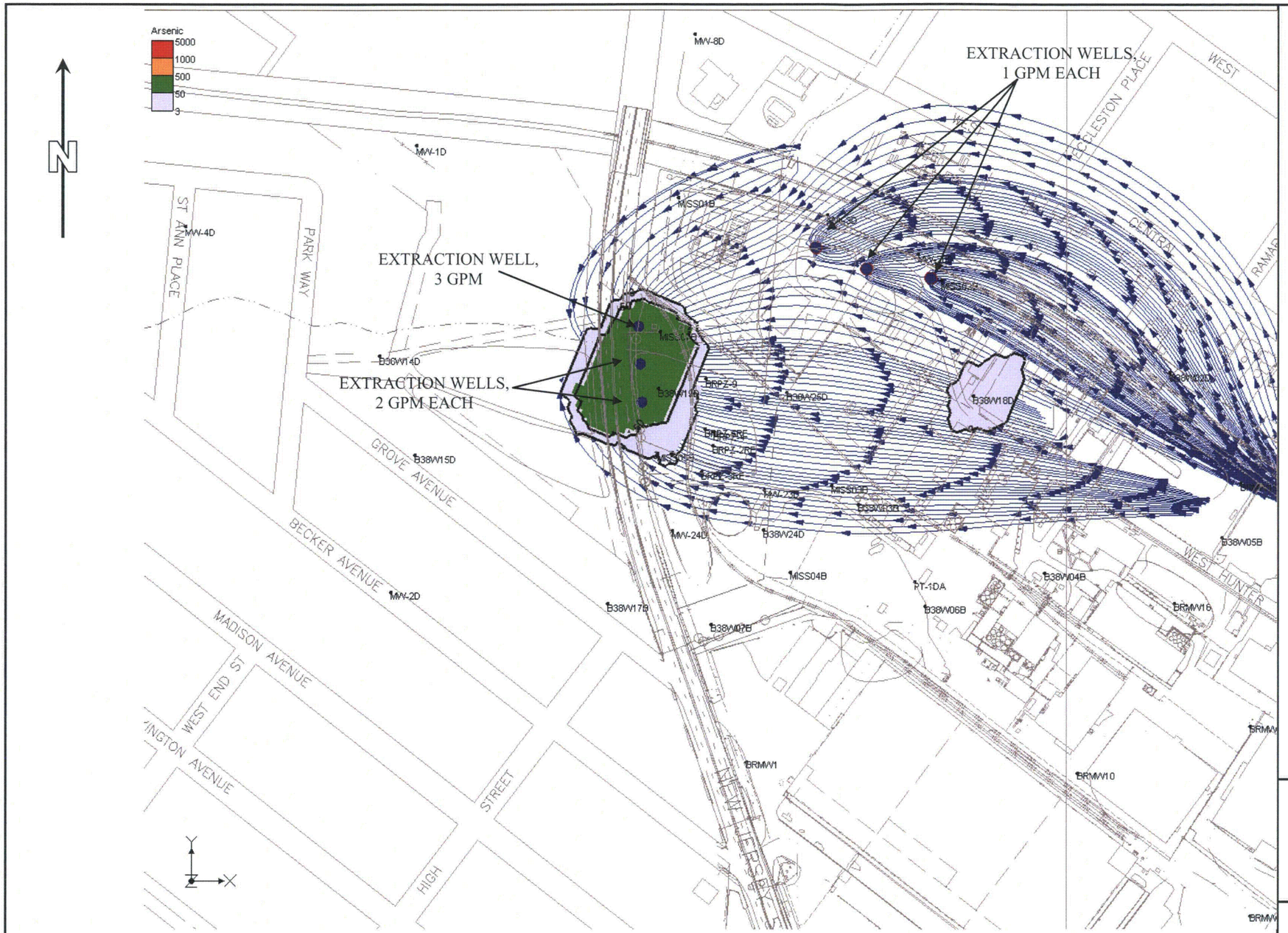
MAYWOOD SUPERFUND SITE, NEW JERSEY

US Army Corps of Engineers

FUSRAP

Maywood Superfund Site

Shaw Environmental, Inc.



NOTES:

1. SIX GROUNDWATER EXTRACTION WELLS ARE PROPOSED TO BE LOCATED IN THE SHALLOW BEDROCK TO CAPTURE MISS RELATED ARSENIC PLUMES. TOTAL PUMPING RATE IS 10 GALLONS PER MINUTE (GPM).

2. ARSENIC PLUME IS INITIAL (YEAR ZERO) CONDITIONS BASED ON GROUNDWATER MONITORING RESULTS OBTAINED BETWEEN 2000 AND 2002.

3. ARSENIC CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).

4. THE REGULATORY LIMIT FOR ARSENIC IS 3 UG/L.

LEGEND:

- EXTRACTION WELL / PARTICLE TRAJECTORY TERMINATION LOCATION
- GROUNDWATER FLOW PATH
- ONE YEAR TRAVEL DISTANCE MARKER

SCALE

1 INCH = 250 FEET

FIGURE 8-13B

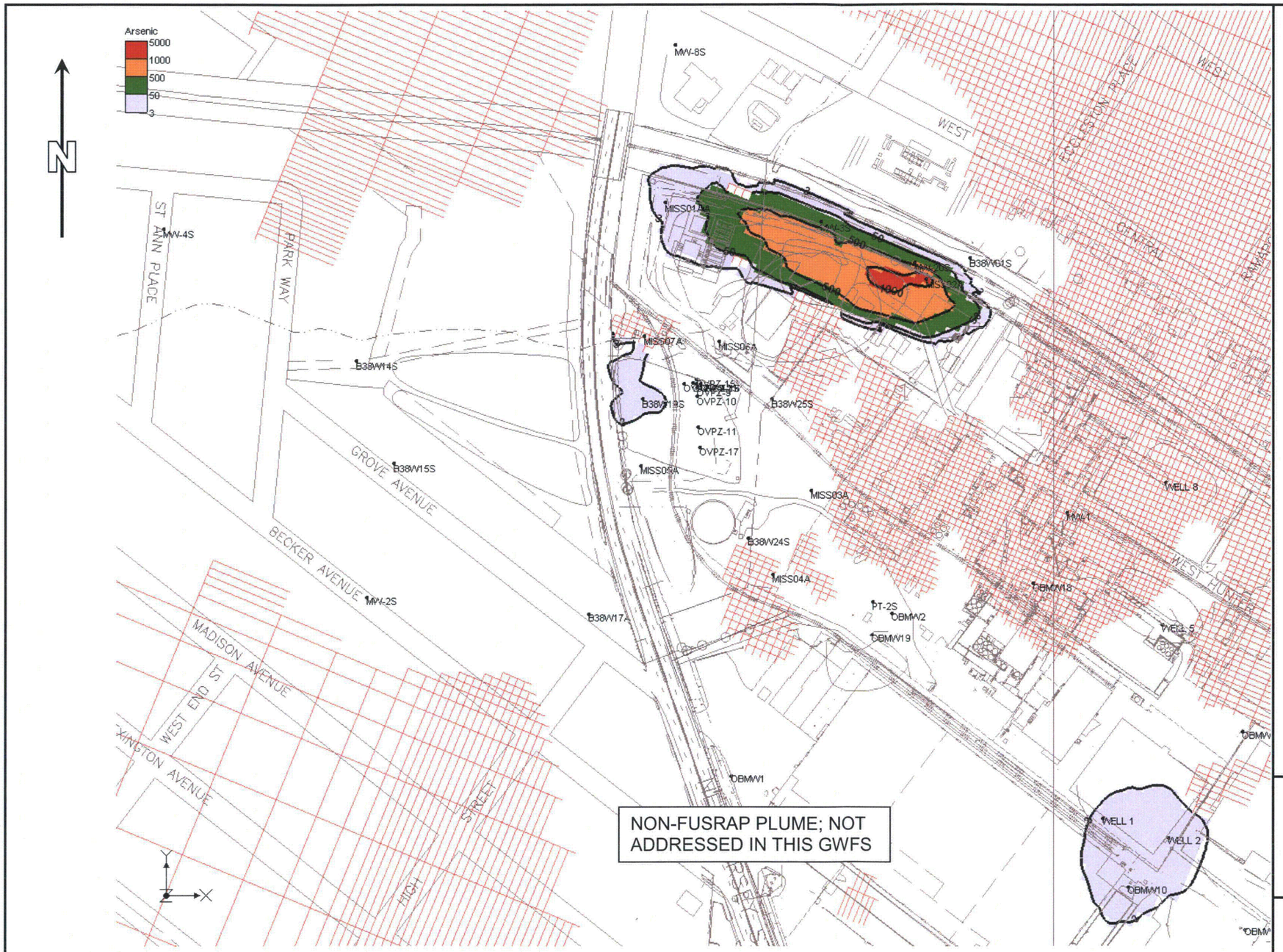
PUMPING SYSTEM LAYOUT AND CAPTURE ZONE FOR SHALLOW BEDROCK ARSENIC PLUME

MAYWOOD SUPERFUND SITE, NEW JERSEY

US Army Corps of Engineers

FUSRAP Maywood Superfund Site

Shaw Shaw Environmental, Inc



NOTES:

1. THE OVERBURDEN AQUIFER IS NOT PRESENT AREAS WITH MODEL GRID.

2. ARSENIC CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).

3. THE REGULATORY LIMIT FOR ARSENIC IS 3 UG/L.

SCALE

1 INCH = 250 FEET

FIGURE 8-14A

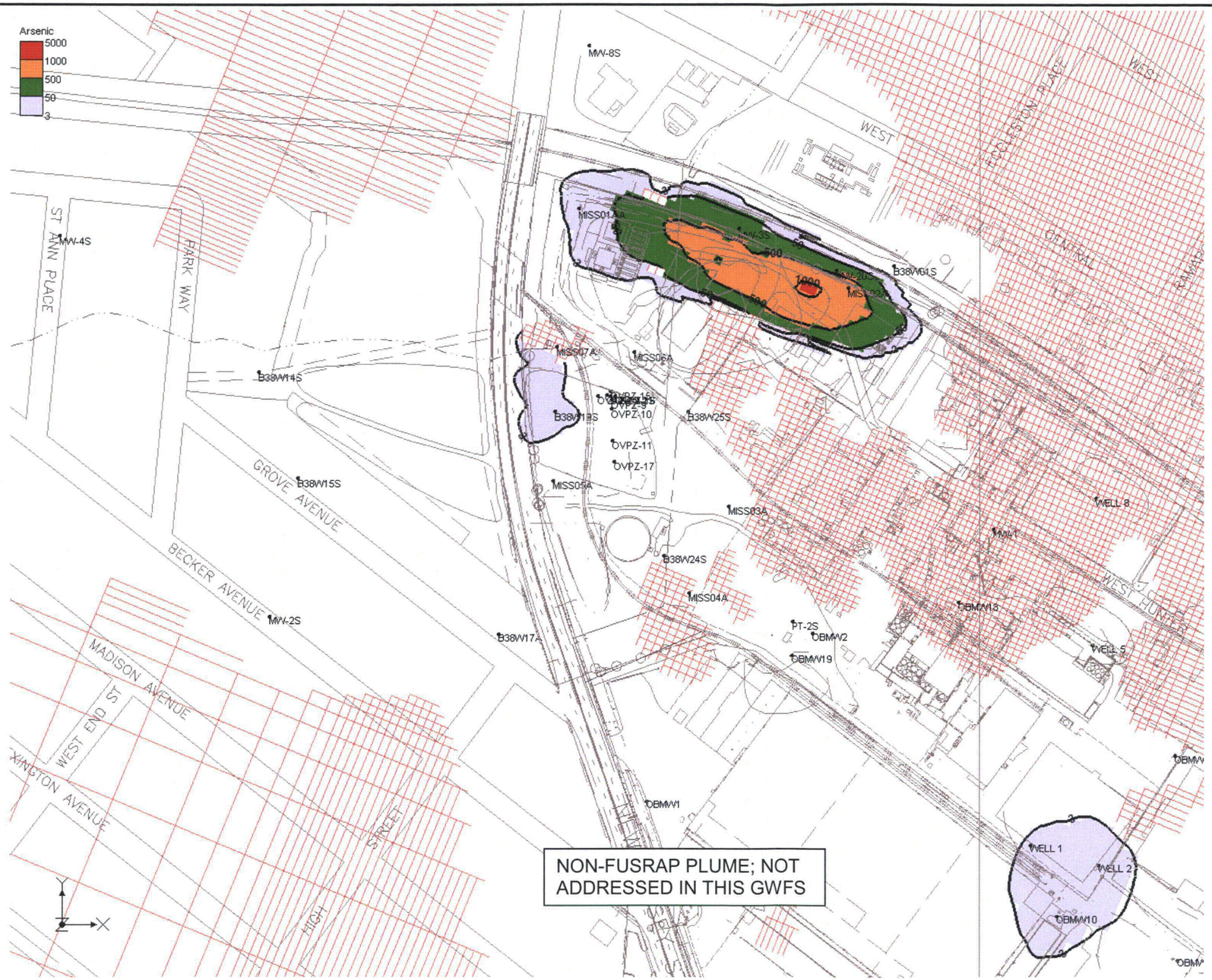
ARSENIC IN OVERBURDEN GROUNDWATER AFTER 5 YEARS OF PUMPING

MAYWOOD SUPERFUND SITE, NEW JERSEY

US Army Corps of Engineers.

FUSRAP Maywood Superfund Site

Shaw Shaw Environmental, Inc.



NOTES:

1. THE OVERBURDEN AQUIFER IS NOT PRESENT AREAS WITH MODEL GRID.

2. ARSENIC CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).

3. THE REGULATORY LIMIT FOR ARSENIC IS 3 UG/L.

SCALE

1 INCH = 250 FEET

FIGURE 8-14B

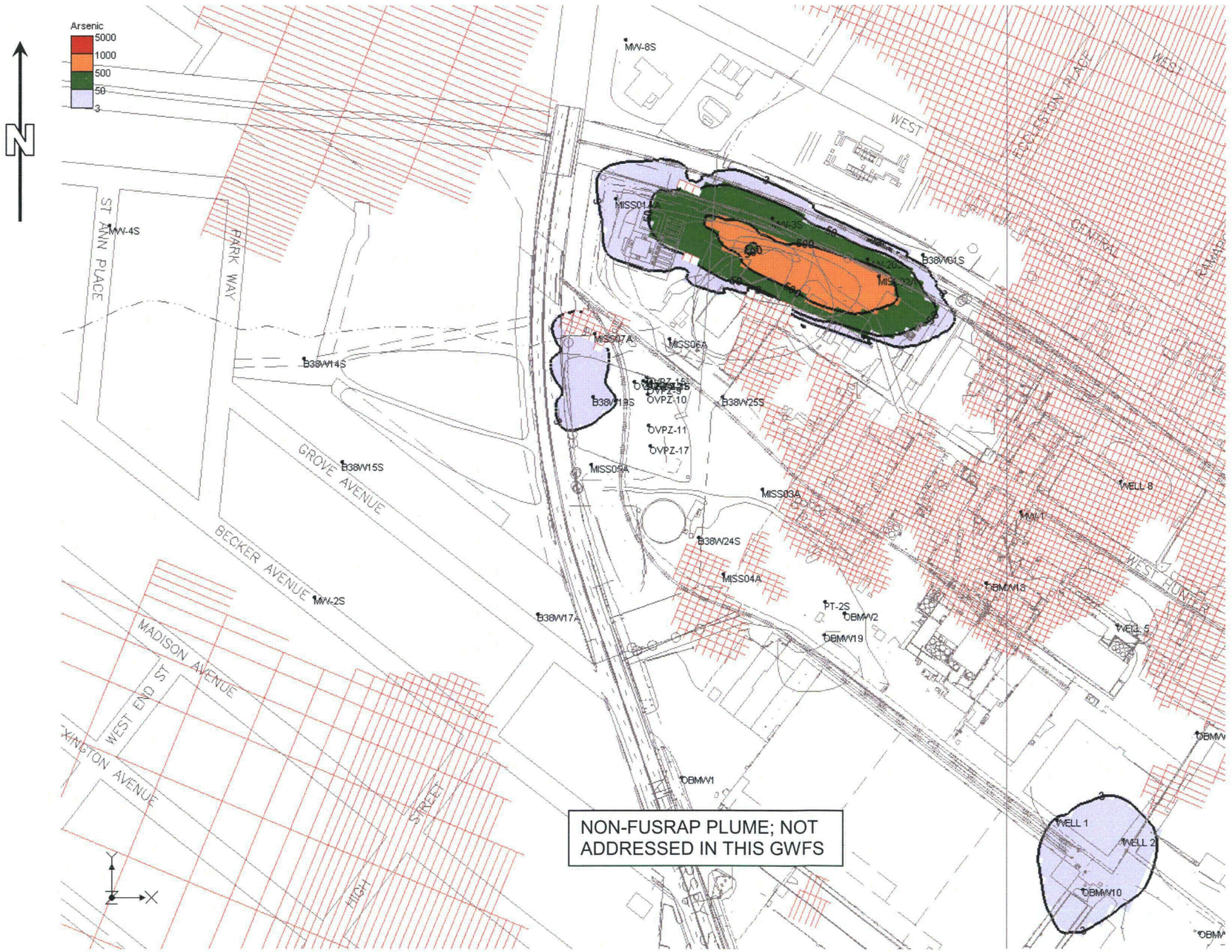
ARSENIC IN OVERBURDEN GROUNDWATER AFTER 10 YEARS OF PUMPING

MAYWOOD SUPERFUND SITE, NEW JERSEY

US Army Corps of Engineers.

FUSRAP Maywood Superfund Site

Shaw Shaw Environmental, Inc.



NOTES:

1. THE OVERBURDEN AQUIFER IS NOT PRESENT AREAS WITH MODEL GRID.

2. ARSENIC CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).

3. THE REGULATORY LIMIT FOR ARSENIC IS 3 UG/L.

SCALE

1 INCH = 250 FEET

FIGURE 8-14C

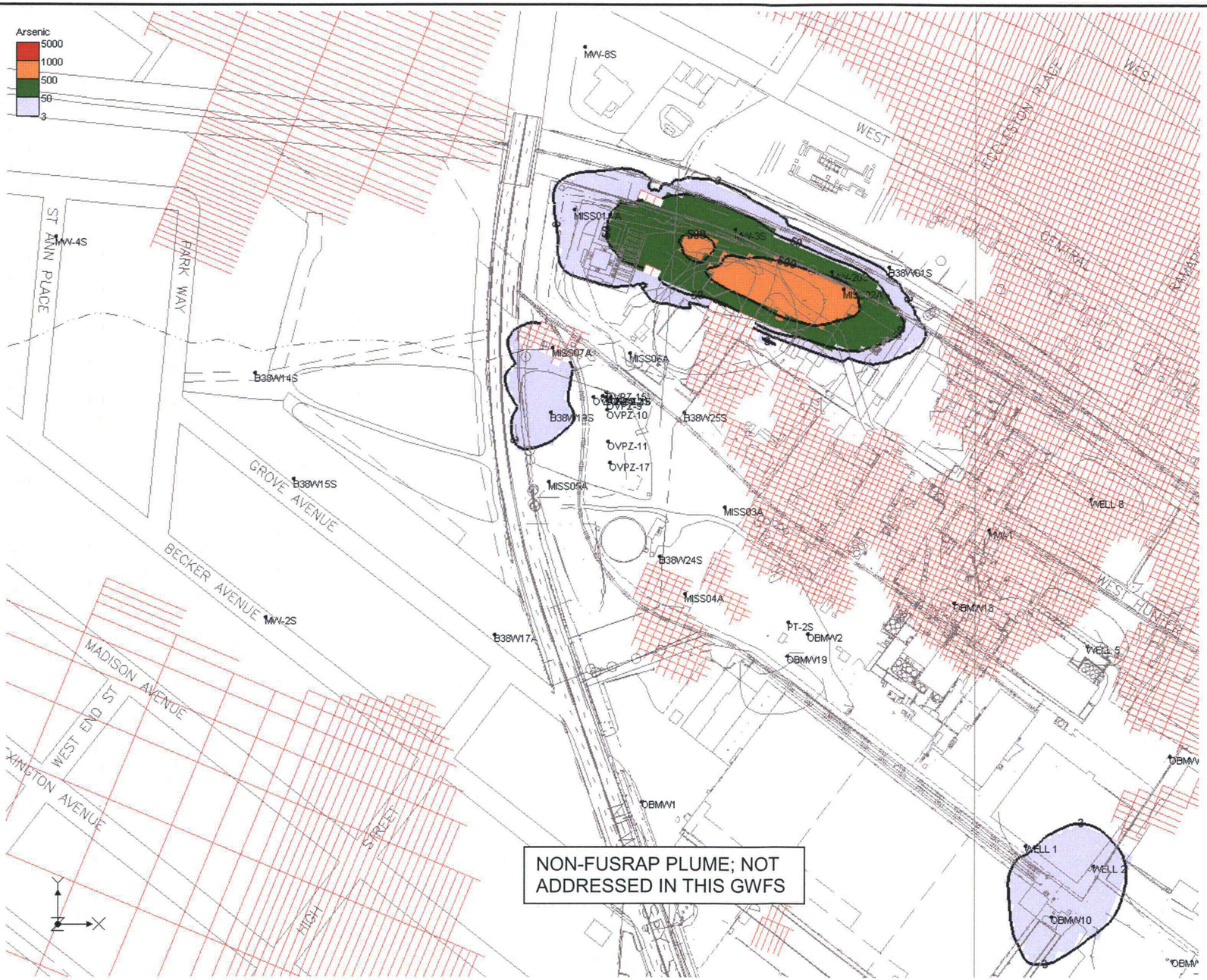
ARSENIC IN OVERBURDEN GROUNDWATER AFTER 15 YEARS OF PUMPING

MAYWOOD SUPERFUND SITE, NEW JERSEY

US Army Corps of Engineers.

FUSRAP Maywood Superfund Site

Shaw Environmental, Inc.



NOTES:

1. THE OVERBURDEN AQUIFER IS NOT PRESENT AREAS WITH MODEL GRID.

2. ARSENIC CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).

3. THE REGULATORY LIMIT FOR ARSENIC IS 3 UG/L.

SCALE

1 INCH = 250 FEET

FIGURE 8-14D

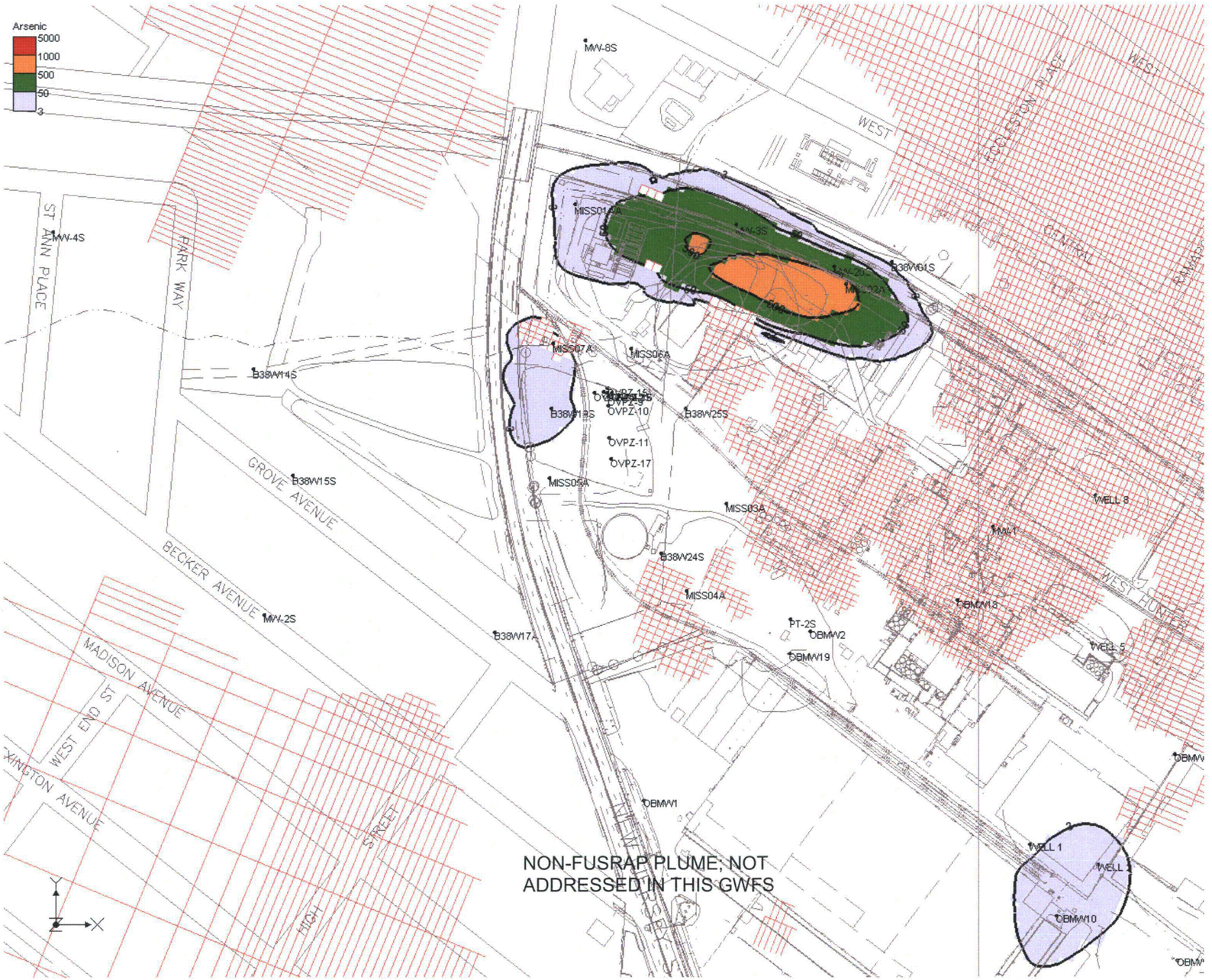
ARSENIC IN OVERBURDEN GROUNDWATER AFTER 20 YEARS OF PUMPING

MAYWOOD SUPERFUND SITE, NEW JERSEY

US Army Corps of Engineers

FUSRAP Maywood Superfund Site

Shaw Environmental, Inc.



NOTES:

1. THE OVERBURDEN AQUIFER IS NOT PRESENT AREAS WITH MODEL GRID.

2. ARSENIC CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).

3. THE REGULATORY LIMIT FOR ARSENIC IS 3 UG/L.

SCALE

1 INCH = 250 FEET

FIGURE 8-14E

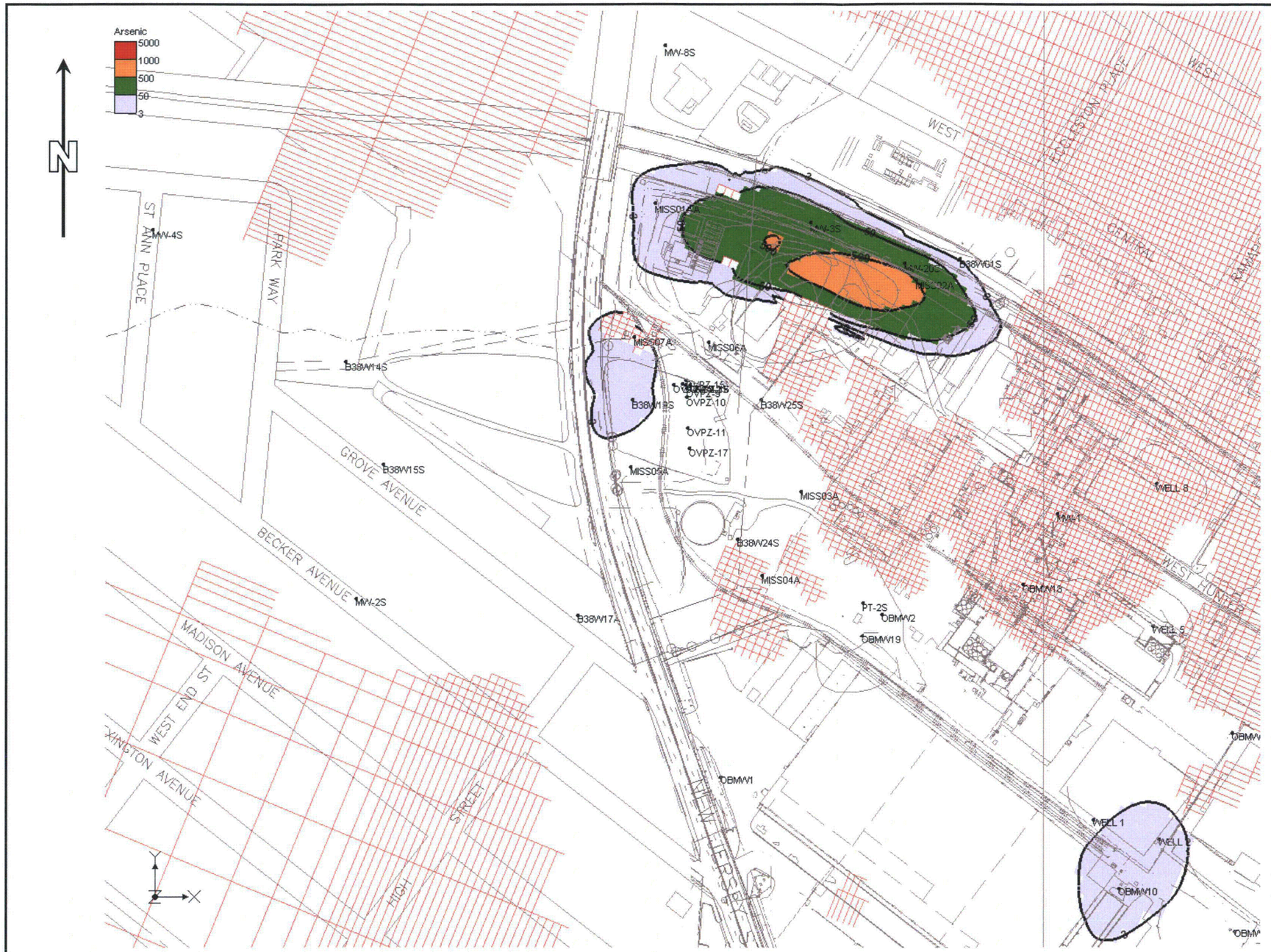
ARSENIC IN OVERBURDEN GROUNDWATER AFTER 25 YEARS OF PUMPING

MAYWOOD SUPERFUND SITE, NEW JERSEY

US Army Corps of Engineers

FUSRAP Maywood Superfund Site

Shaw Shaw Environmental, Inc.



NOTES:

1. THE OVERBURDEN AQUIFER IS NOT PRESENT AREAS WITH MODEL GRID.

2. ARSENIC CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).

3. THE REGULATORY LIMIT FOR ARSENIC IS 3 UG/L.

SCALE

1 INCH = 250 FEET

FIGURE 8-14F

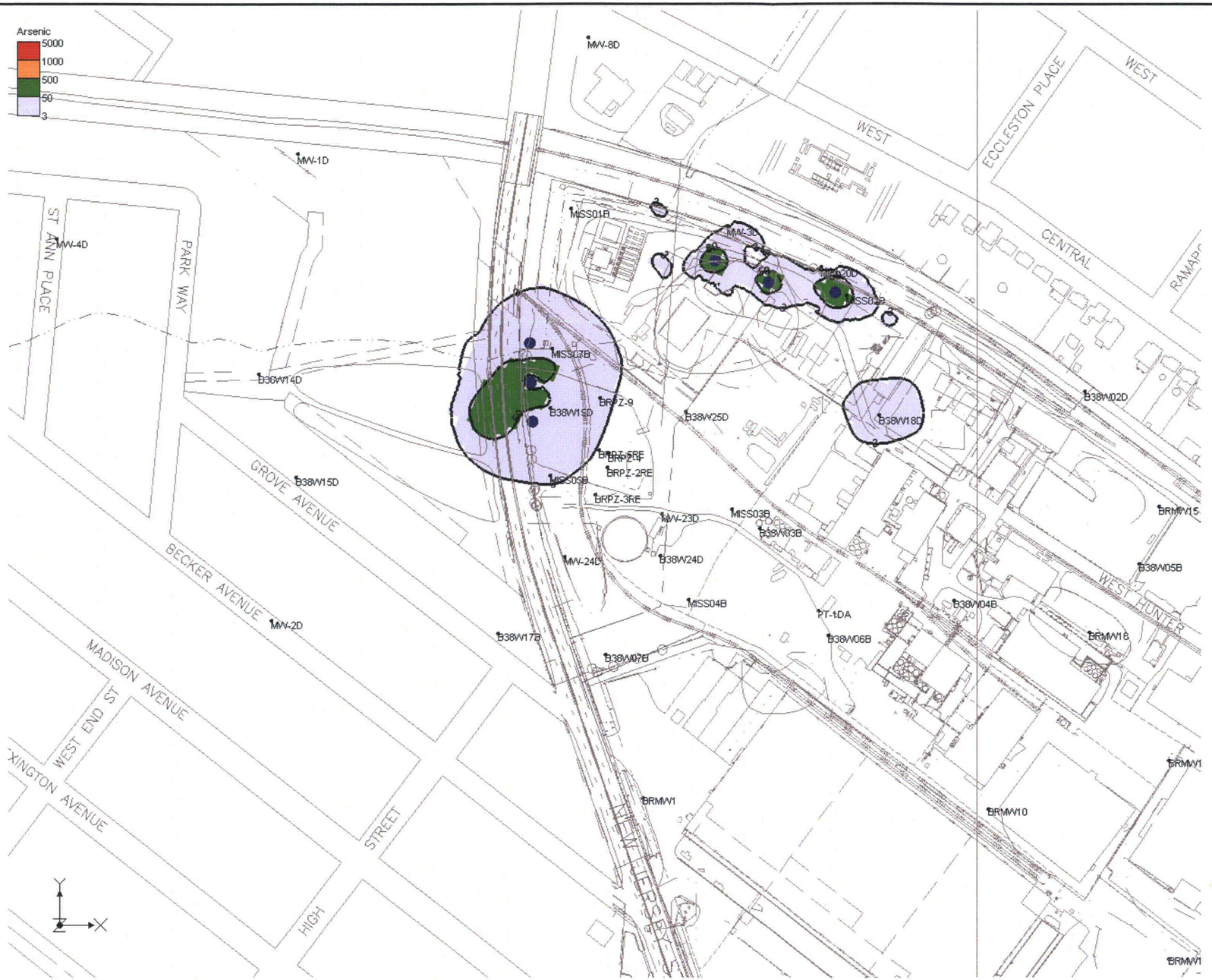
ARSENIC IN OVERBURDEN GROUNDWATER AFTER 30 YEARS OF PUMPING

MAYWOOD SUPERFUND SITE, NEW JERSEY

US Army Corps of Engineers.

FUSRAP Maywood Superfund Site

Shaw Environmental, Inc.



NOTES:

1. ARSENIC CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).

2. THE REGULATORY LIMIT FOR ARSENIC IS 3 UG/L.

LEGEND:

- EXTRACTION WELL

SCALE

1 INCH = 250 FEET

FIGURE 8-15A

ARSENIC IN SHALLOW BEDROCK GROUNDWATER AFTER 5 YEARS OF PUMPING

MAYWOOD SUPERFUND SITE, NEW JERSEY

US Army Corps of Engineers.

FUSRAP Maywood Superfund Site

Shaw Environmental, Inc.

NOTES:

1. ARSENIC CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).

2. THE REGULATORY LIMIT FOR ARSENIC IS 3 UG/L.

LEGEND:

- EXTRACTION WELL

SCALE

1 INCH = 250 FEET

FIGURE 8-15B

ARSENIC IN SHALLOW BEDROCK GROUNDWATER AFTER 10 YEARS OF PUMPING

MAYWOOD SUPERFUND SITE, NEW JERSEY

US Army Corps of Engineers.

FUSRAP Maywood Superfund Site

Shaw Shaw Environmental, Inc

NOTES:

1. ARSENIC CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).

2. THE REGULATORY LIMIT FOR ARSENIC IS 3 UG/L.

LEGEND:

● EXTRACTION WELL

SCALE

1 INCH = 250 FEET

FIGURE 8-15C

ARSENIC IN SHALLOW BEDROCK GROUNDWATER AFTER 15 YEARS OF PUMPING

MAYWOOD SUPERFUND SITE, NEW JERSEY

US Army Corps of Engineers.

FUSRAP Maywood Superfund Site

Shaw Environmental, Inc.

NOTES:

1. ARSENIC CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).

2. THE REGULATORY LIMIT FOR ARSENIC IS 3 UG/L.

LEGEND:

● EXTRACTION WELL

SCALE

1 INCH = 250 FEET

FIGURE 8-15D

ARSENIC IN SHALLOW BEDROCK GROUNDWATER AFTER 20 YEARS OF PUMPING

MAYWOOD SUPERFUND SITE, NEW JERSEY

US Army Corps of Engineers.

FUSRAP Maywood Superfund Site

Shaw Environmental, Inc

NOTES:

1. ARSENIC CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).

2. THE REGULATORY LIMIT FOR ARSENIC IS 3 UG/L.

LEGEND:

- EXTRACTION WELL

SCALE

1 INCH = 250 FEET

FIGURE 8-15E

ARSENIC IN SHALLOW BEDROCK GROUNDWATER AFTER 25 YEARS OF PUMPING

MAYWOOD SUPERFUND SITE, NEW JERSEY

US Army Corps of Engineers.

FUSRAP Maywood Superfund Site

Shaw Environmental, Inc.

NOTES:

1. ARSENIC CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).

2. THE REGULATORY LIMIT FOR ARSENIC IS 3 UG/L.

LEGEND:

● EXTRACTION WELL

SCALE

1 INCH = 250 FEET

FIGURE 8-15F

ARSENIC IN SHALLOW BEDROCK GROUNDWATER AFTER 30 YEARS OF PUMPING

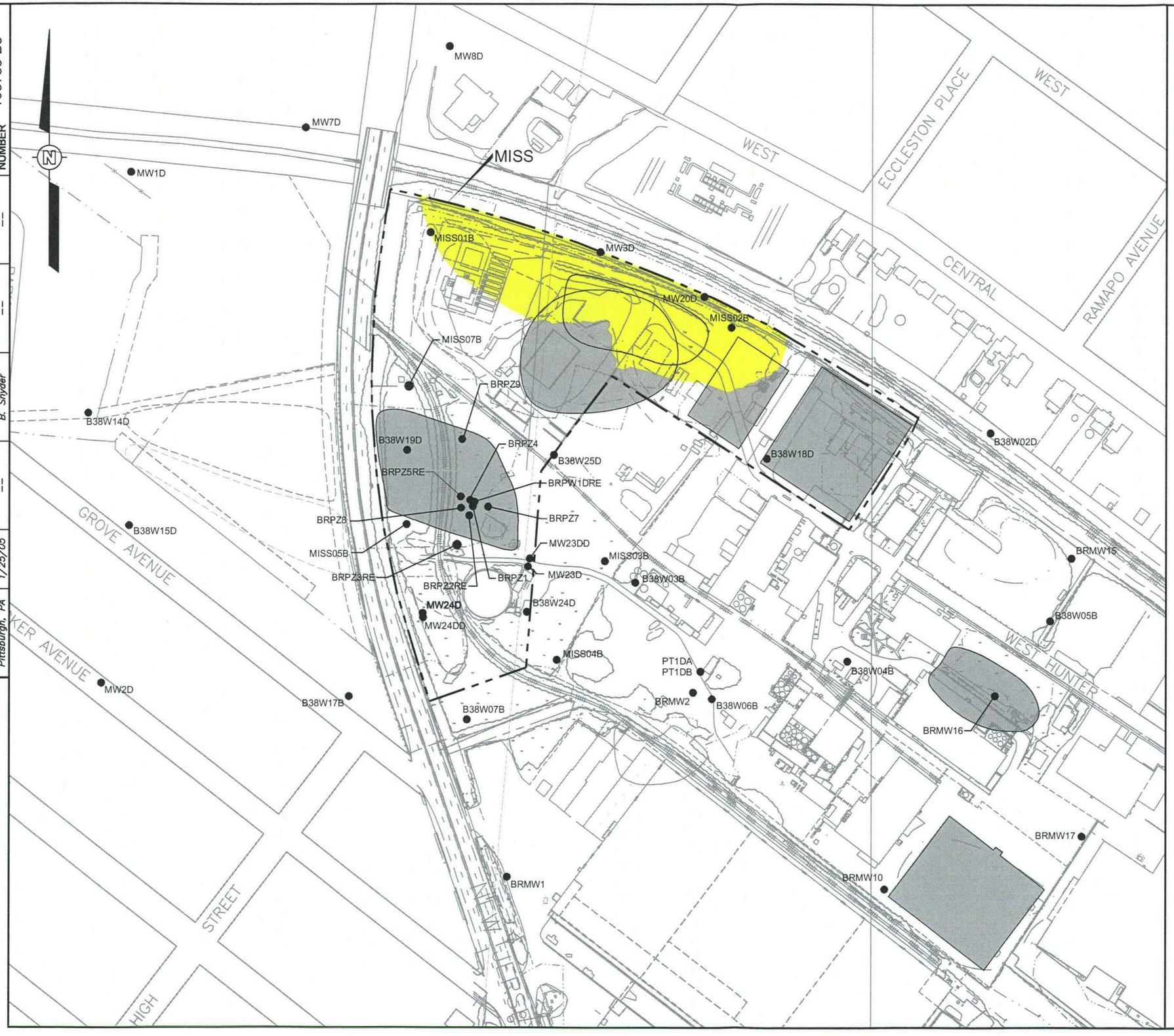
MAYWOOD SUPERFUND SITE, NEW JERSEY

US Army Corps of Engineers.

FUSRAP Maywood Superfund Site

Shaw Environmental, Inc.

DRAWING NUMBER	APPROVED BY	CHECKED BY	DRAWN BY	DESIGNED BY	DATE	OFFICE
108783-B5	---	---	*B. Snyder*	---	*1/25/05*	*Pittsburgh, PA*



LEGEND:

OVERBURDEN ARSENIC TREATMENT AREA

SCALE

0 200 400 FEET

FIGURE 8-16
IN-SITU TREATMENT AREA FOR ARSENIC IN OVERBURDEN
MAYWOOD SUPERFUND SITE, NEW JERSEY

US Army Corps of Engineers

FUSRAP Maywood Superfund Site

Shaw Environmental, Inc.

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Plot Date/Time: 03/27/08 11:40am
Plotted by: bernadette.oconnor

Xref: site
Image: FMSS

ATTACHMENTS

Attachment A - Flow Model I/O Files

Attachment B - Scenario Modeling I/O Files