

NOTES:

1. LITHIUM CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).
2. THE RISK-BASED ACTION LEVEL FOR LITHIUM IS 730 UG/L.

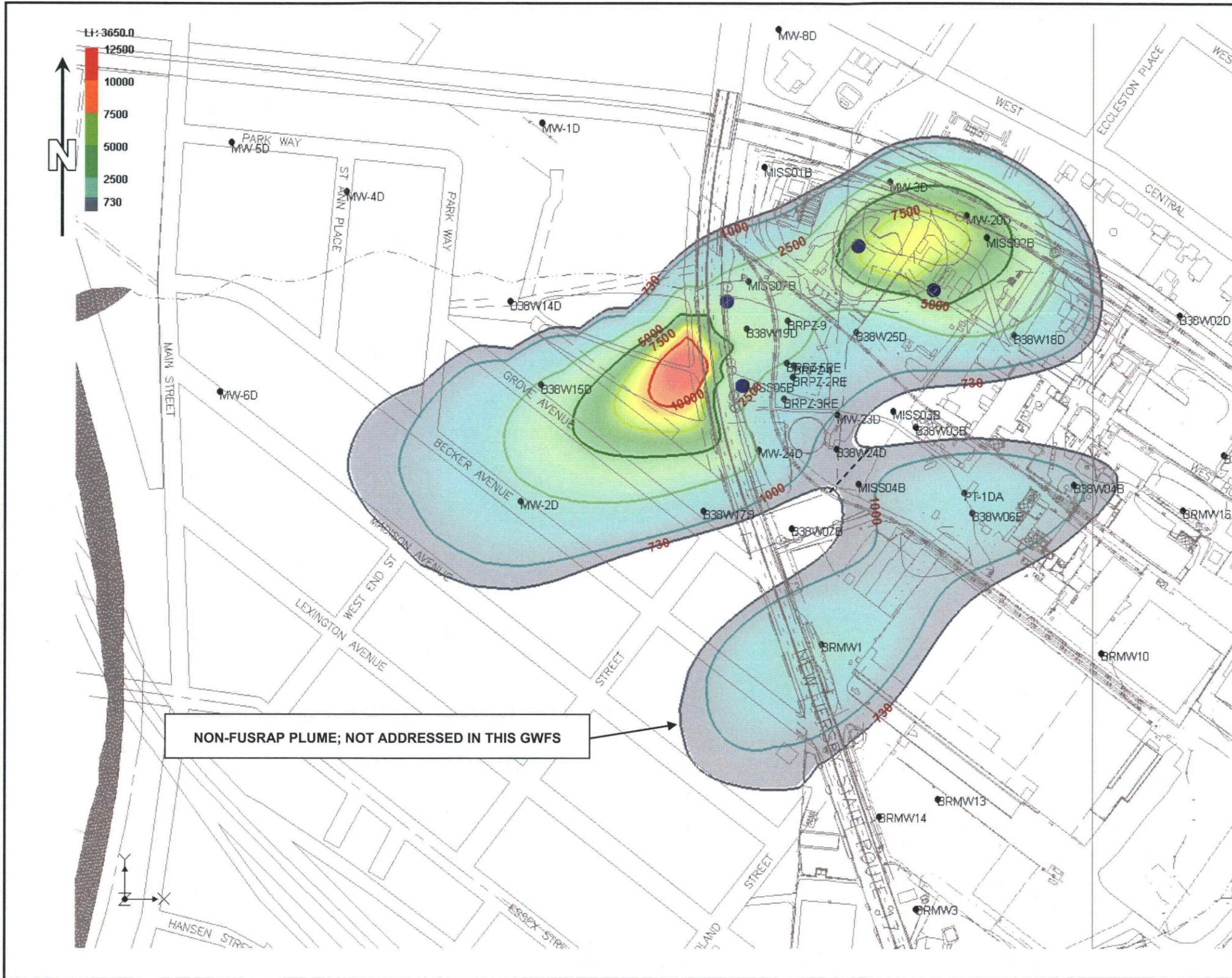
LEGEND:

- EXTRACTION WELL

SCALE
1 INCH = 300 FEET

FIGURE 8-5A
LITHIUM IN SHALLOW BEDROCK
GROUNDWATER AFTER 5 YEARS OF
PUMPING
MAYWOOD SUPERFUND SITE, NEW JERSEY





NOTES:

1. LITHIUM CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).
2. THE RISK-BASED ACTION LEVEL FOR LITHIUM IS 730 UG/L.

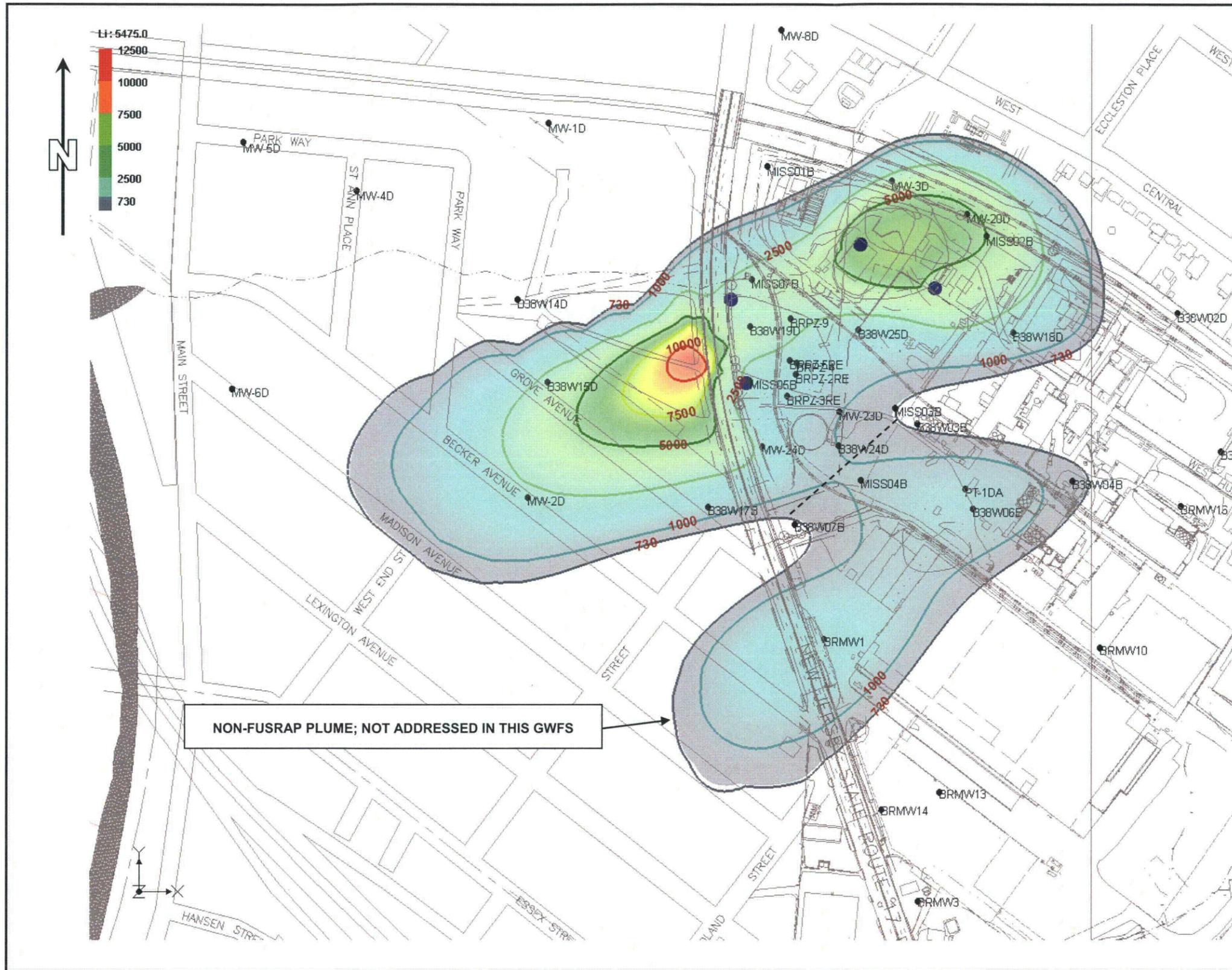
LEGEND:

- EXTRACTION WELL

SCALE
1 INCH = 300 FEET

FIGURE 8-5B
LITHIUM IN SHALLOW BEDROCK
GROUNDWATER AFTER 10 YEARS OF
PUMPING
MAYWOOD SUPERFUND SITE, NEW JERSEY





NOTES:

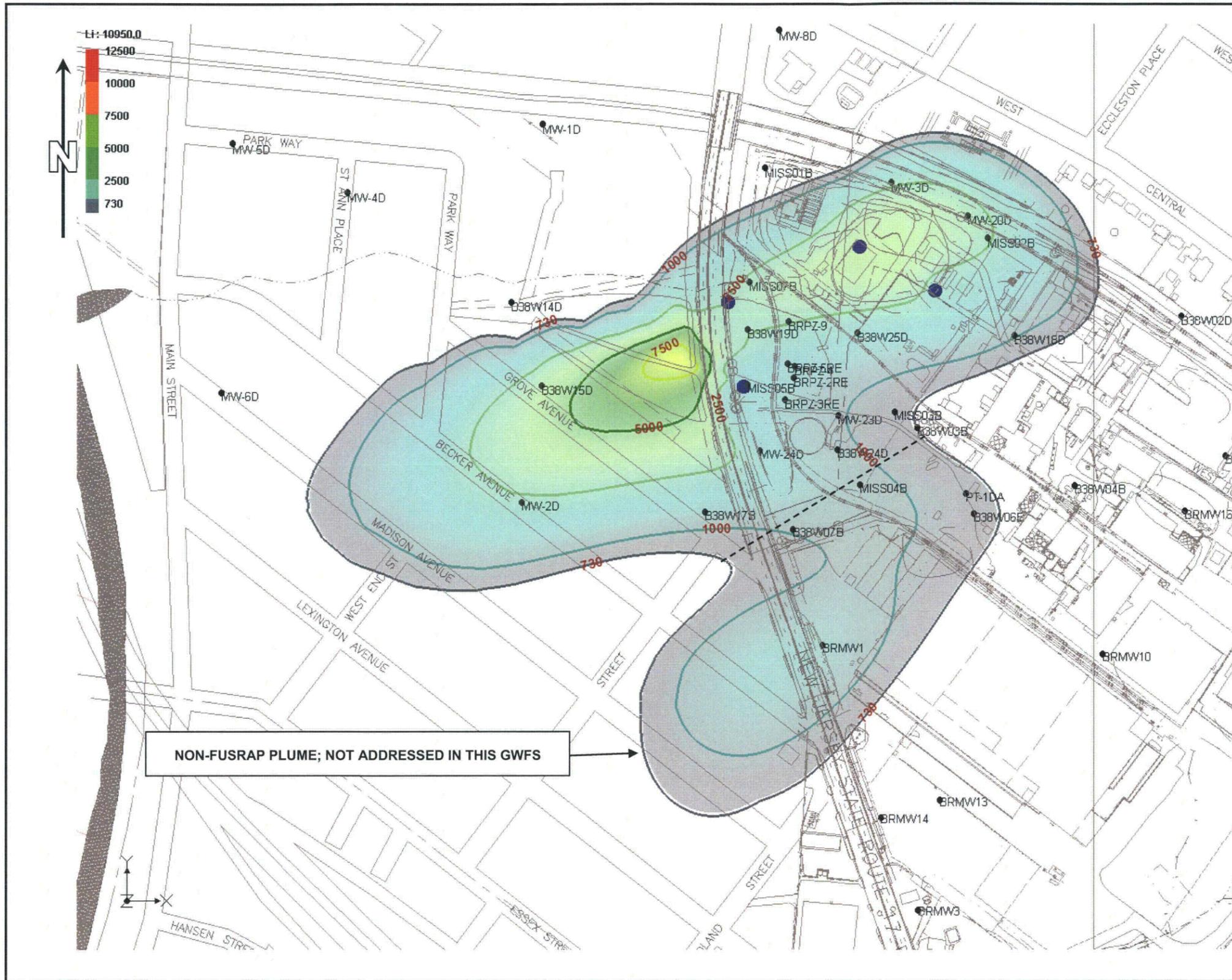
1. LITHIUM CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).
2. THE RISK-BASED ACTION LEVEL FOR LITHIUM IS 730 UG/L.

LEGEND:

- EXTRACTION WELL

SCALE
1 INCH = 300 FEET

FIGURE 8-5C
LITHIUM IN SHALLOW BEDROCK
GROUNDWATER AFTER 15 YEARS OF
PUMPING
MAYWOOD SUPERFUND SITE, NEW JERSEY



NOTES:

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2. THE RISK-BASED ACTION LEVEL FOR LITHIUM IS 730 UG/L.

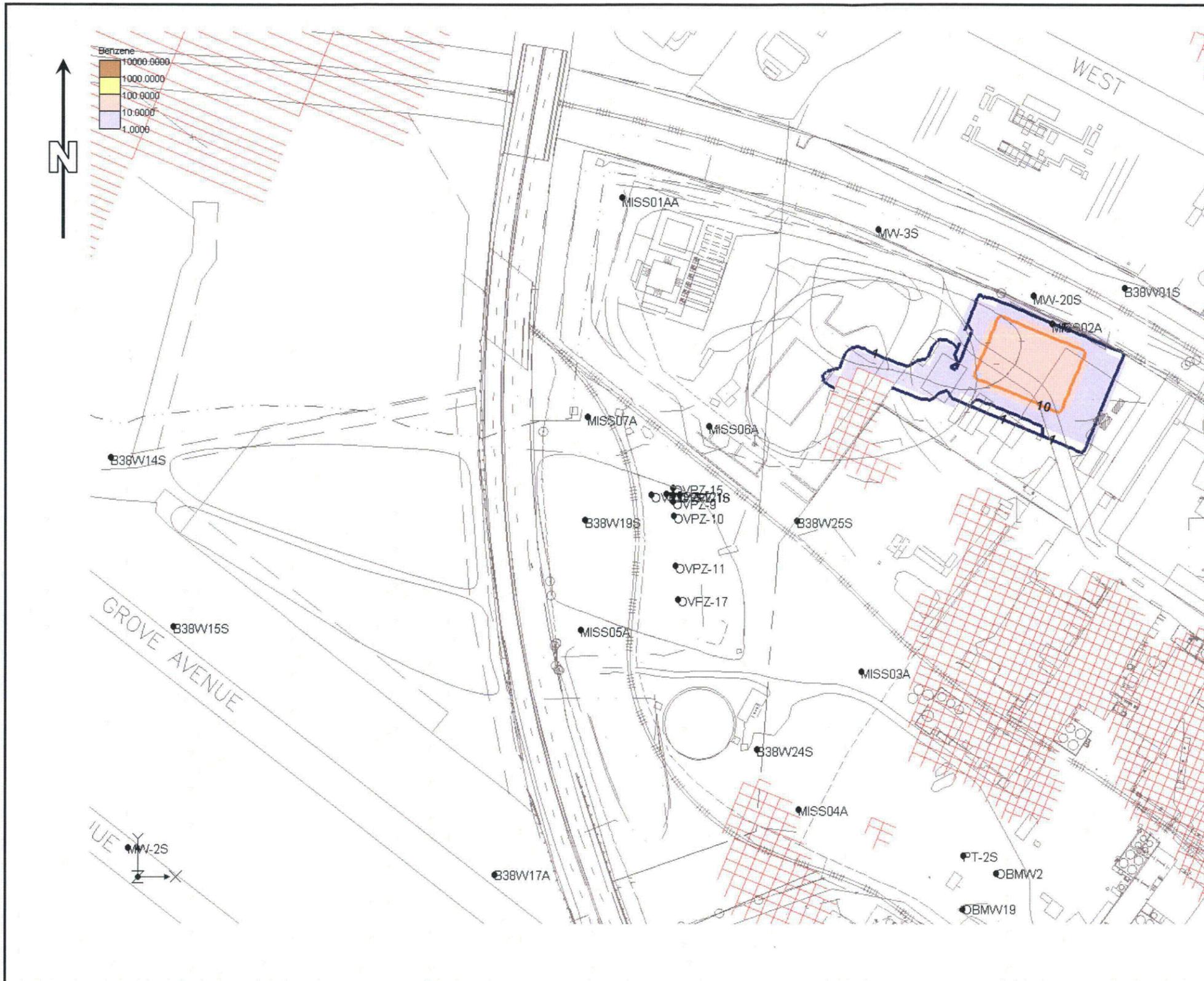
LEGEND:

- EXTRACTION WELL

SCALE
1 INCH = 300 FEET

FIGURE 8-5F
LITHIUM IN SHALLOW BEDROCK
GROUNDWATER AFTER 30 YEARS OF
PUMPING
MAYWOOD SUPERFUND SITE, NEW JERSEY





NOTES:

1. THE OVERBURDEN AQUIFER IS NOT PRESENT IN AREAS WITH MODEL GRID.
2. BENZENE CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).
3. THE REGULATORY LIMIT FOR BENZENE IS 1 UG/L.
4. YEAR ZERO BENZENE CONCENTRATIONS ARE BASED ON GROUNDWATER MONITORING RESULTS OBTAINED BETWEEN 2000 AND 2002.

SCALE
1 INCH = 150 FEET

FIGURE 8-6A
BENZENE IN OVERBURDEN
GROUNDWATER – YEAR ZERO
MAYWOOD SUPERFUND SITE, NEW JERSEY

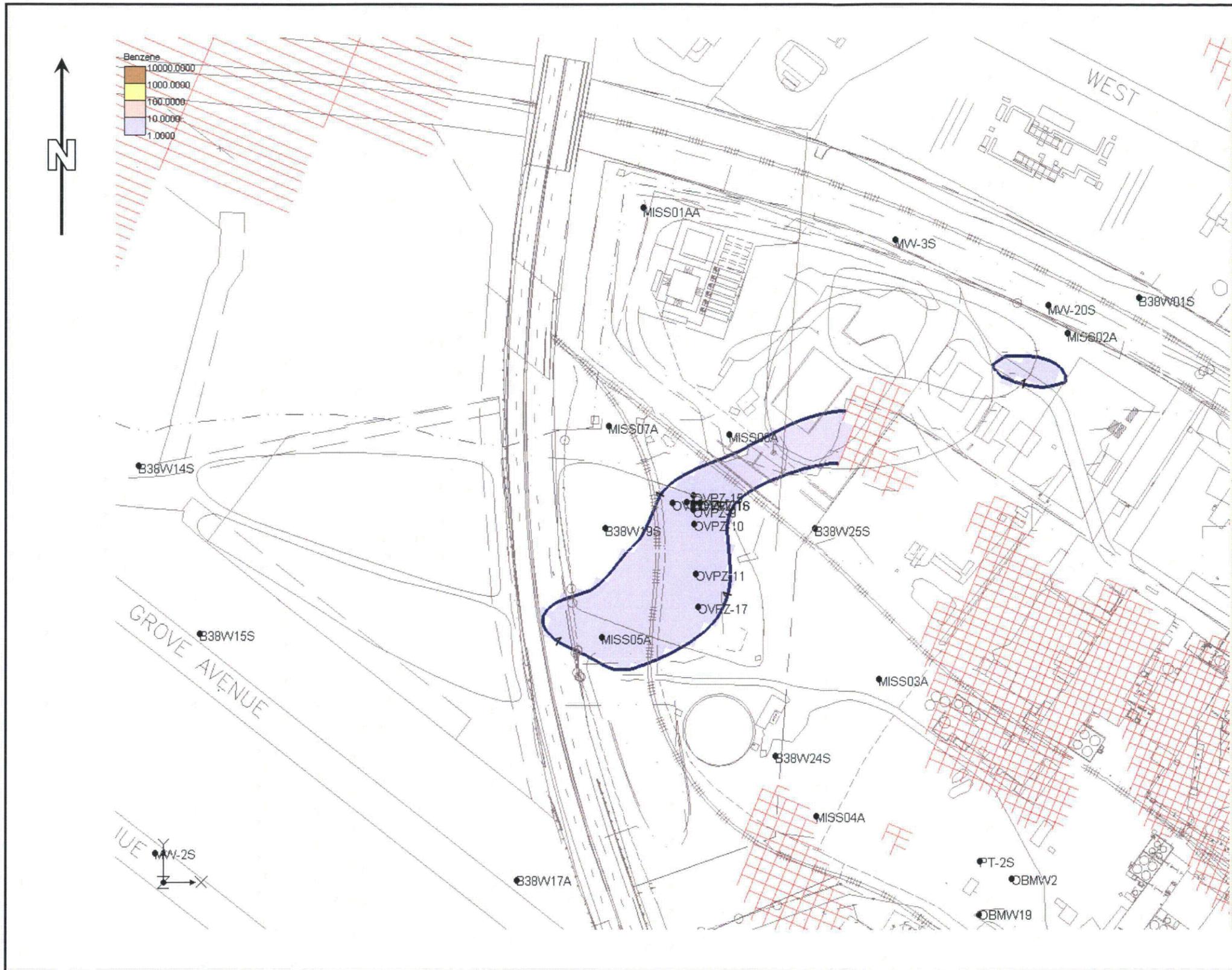




- NOTES:**
1. THE OVERBURDEN AQUIFER IS NOT PRESENT IN AREAS WITH MODEL GRID.
 2. BENZENE CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).
 3. THE REGULATORY LIMIT FOR BENZENE IS 1 UG/L.

SCALE
1 INCH = 150 FEET

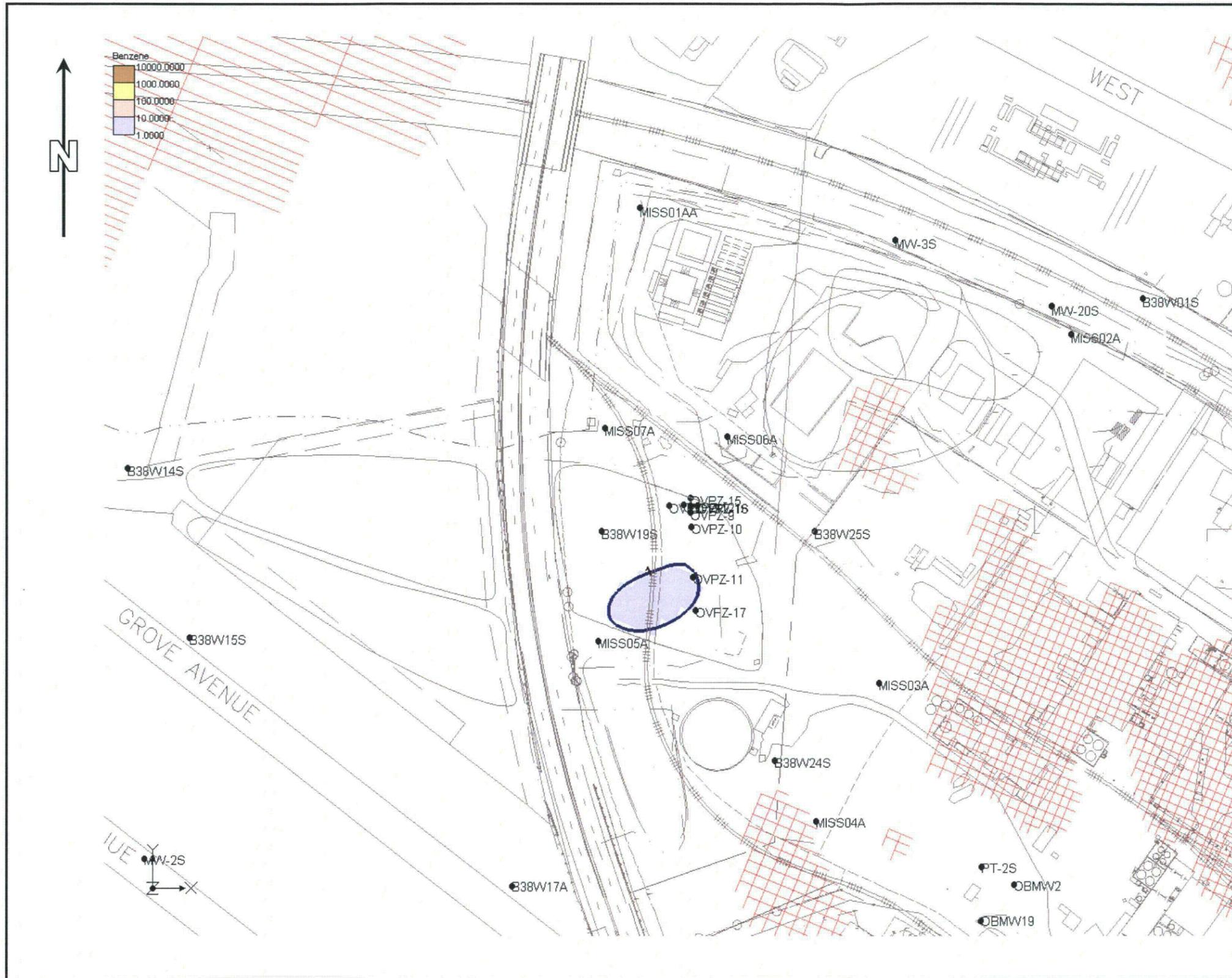
FIGURE 8-6B
BENZENE IN OVERBURDEN GROUNDWATER
AFTER 2 YEARS OF
NO ACTION / NATURAL ATTENUATION
MAYWOOD SUPERFUND SITE, NEW JERSEY



- NOTES:**
1. THE OVERBURDEN AQUIFER IS NOT PRESENT IN AREAS WITH MODEL GRID.
 2. BENZENE CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).
 3. THE REGULATORY LIMIT FOR BENZENE IS 1 UG/L.

SCALE
1 INCH = 150 FEET

FIGURE 8-6C
BENZENE IN OVERBURDEN GROUNDWATER
AFTER 4 YEARS OF
NO ACTION / NATURAL ATTENUATION
MAYWOOD SUPERFUND SITE, NEW JERSEY



NOTES:

1. THE OVERBURDEN AQUIFER IS NOT PRESENT IN AREAS WITH MODEL GRID.
2. BENZENE CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).
3. THE REGULATORY LIMIT FOR BENZENE IS 1 UG/L.

SCALE
1 INCH = 150 FEET

FIGURE 8-6D
BENZENE IN OVERBURDEN GROUNDWATER
AFTER 6 YEARS OF
NO ACTION / NATURAL ATTENUATION
MAYWOOD SUPERFUND SITE, NEW JERSEY





NOTES:

1. BENZENE CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).
2. THE REGULATORY LIMIT FOR BENZENE IS 1 UG/L.

SCALE
1 INCH = 150 FEET

FIGURE 8-7B
BENZENE IN SHALLOW BEDROCK
GROUNDWATER AFTER 2 YEARS OF
NO ACTION / NATURAL ATTENUATION
MAYWOOD SUPERFUND SITE, NEW JERSEY



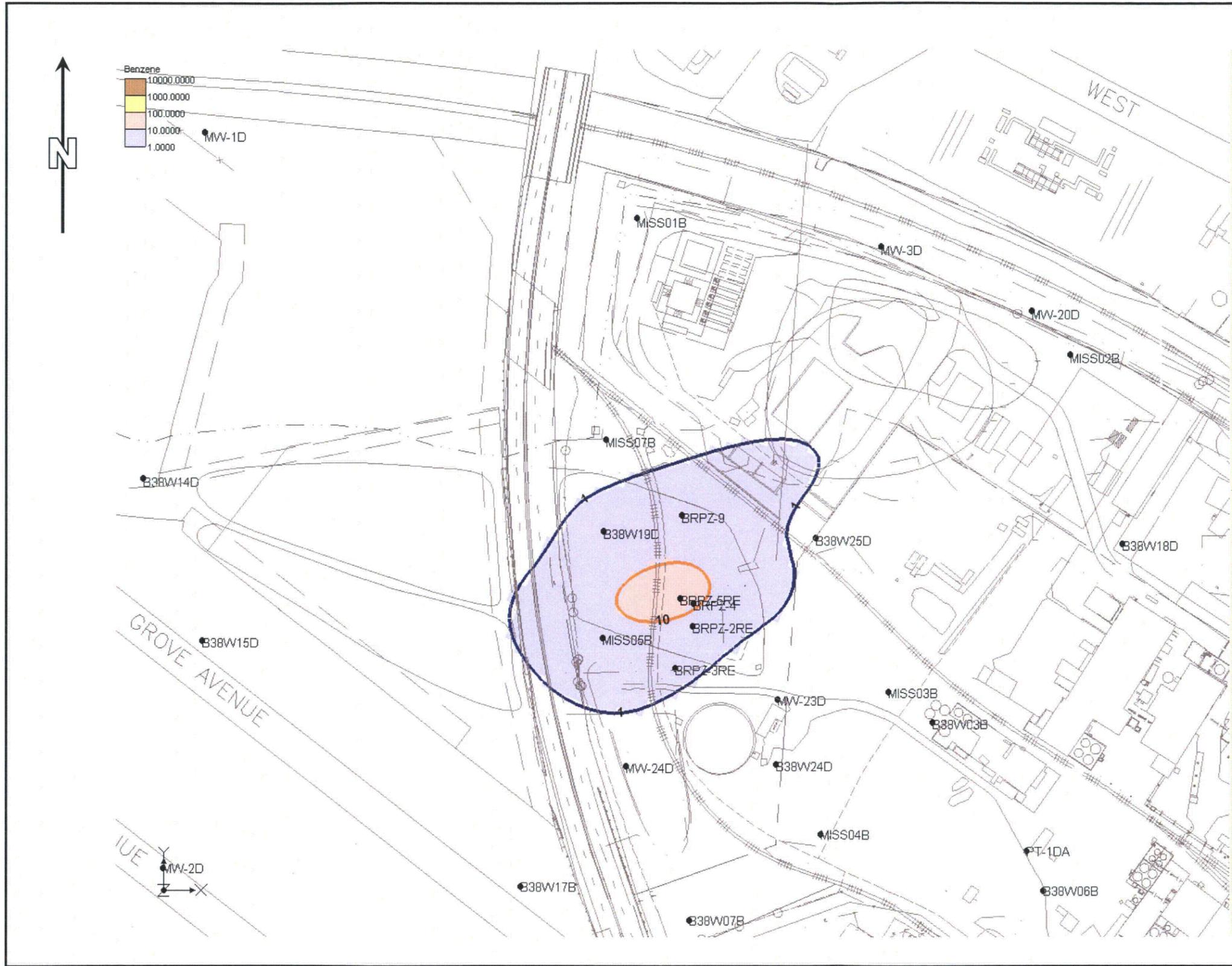
NOTES:

1. BENZENE CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).
2. THE REGULATORY LIMIT FOR BENZENE IS 1 UG/L.

SCALE
1 INCH = 150 FEET

FIGURE 8-7C
BENZENE IN SHALLOW BEDROCK
GROUNDWATER AFTER 4 YEARS OF
NO ACTION / NATURAL ATTENUATION
MAYWOOD SUPERFUND SITE, NEW JERSEY





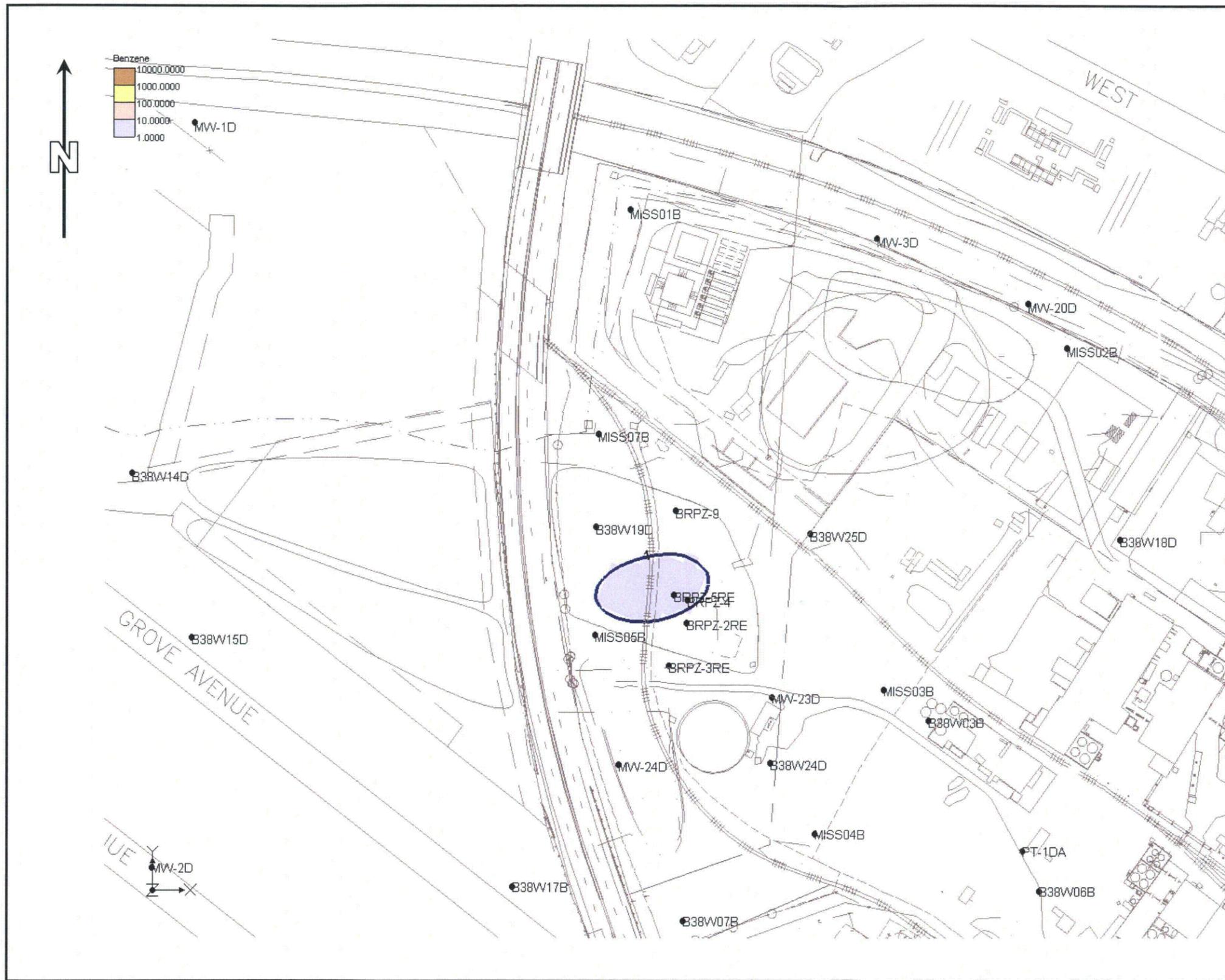
NOTES:

1. BENZENE CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).
2. THE REGULATORY LIMIT FOR BENZENE IS 1 UG/L.

SCALE
1 INCH = 150 FEET

FIGURE 8-7D
BENZENE IN SHALLOW BEDROCK
GROUNDWATER AFTER 6 YEARS OF
NO ACTION / NATURAL ATTENUATION
MAYWOOD SUPERFUND SITE, NEW JERSEY





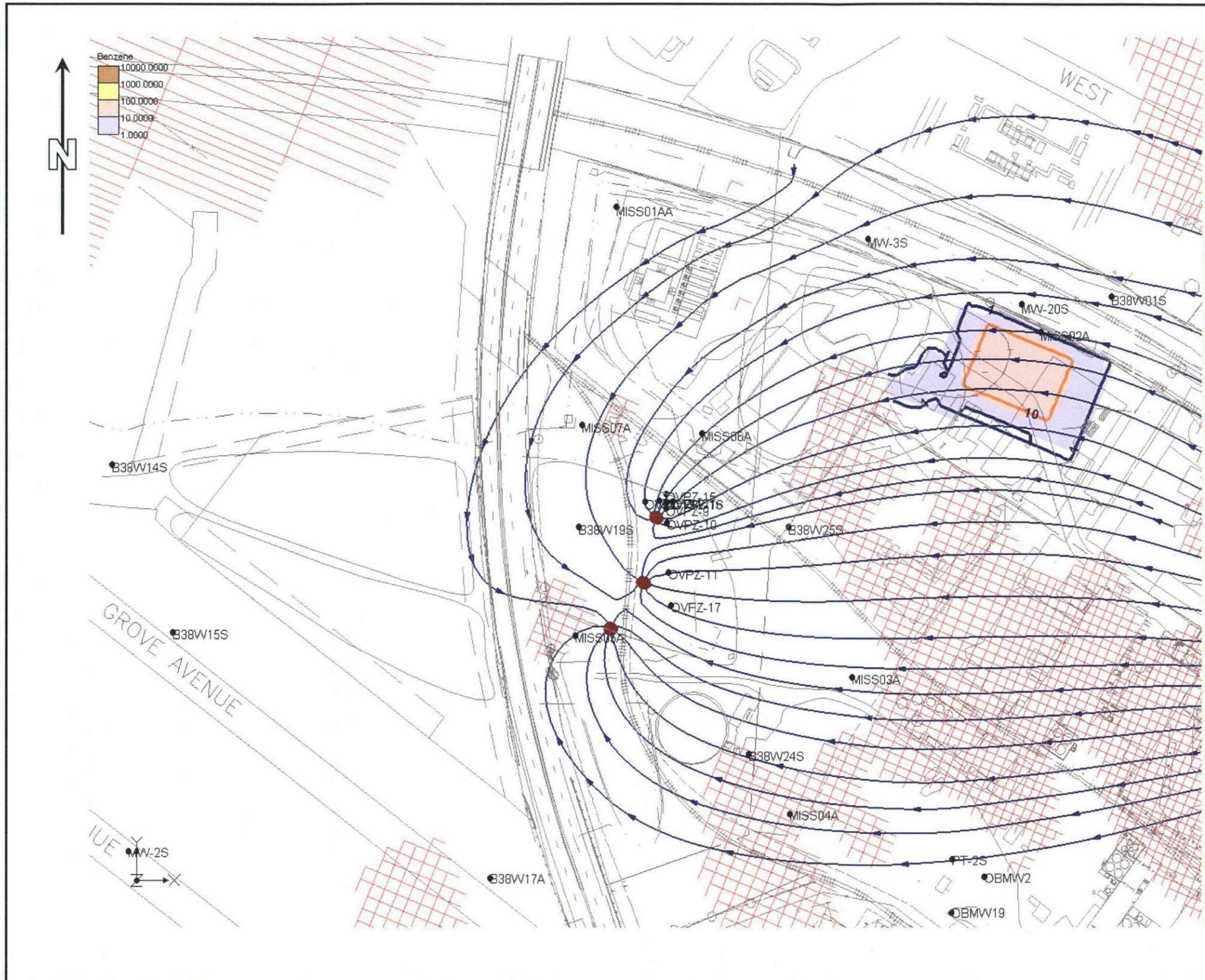
NOTES:

1. BENZENE CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).
2. THE REGULATORY LIMIT FOR BENZENE IS 1 UG/L.

SCALE
1 INCH = 150 FEET

FIGURE 8-7E
BENZENE IN SHALLOW BEDROCK
GROUNDWATER AFTER 9 YEARS OF
NO ACTION / NATURAL ATTENUATION
MAYWOOD SUPERFUND SITE, NEW JERSEY





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. BENZENE PLUME IS INITIAL (YEAR ZERO) CONDITIONS BASED ON GROUNDWATER MONITORING RESULTS OBTAINED BETWEEN 2000 AND 2002.
4. BENZENE CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).
5. THE REGULATORY LIMIT FOR BENZENE IS 1 UG/L.

LEGEND:

- PARTICLE TRAJECTORY TERMINATION LOCATION (OVERLYING SHALLOW BEDROCK EXTRACTION WELL LOCATION)
- ← GROUNDWATER FLOW PATH
- ◀ ONE YEAR TRAVEL DISTANCE MARKER

SCALE
1 INCH = 150 FEET

FIGURE 8-8A
CAPTURE ZONE FOR OVERBURDEN BENZENE PLUME
MAYWOOD SUPERFUND SITE, NEW JERSEY



NOTES:

1. THREE GROUNDWATER EXTRACTION WELLS ARE PROPOSED IN THE SHALLOW BEDROCK TO CAPTURE MISS RELATED BENZENE PLUMES. TOTAL PUMPING RATE IS 10 GALLONS PER MINUTE (GPM).
2. BENZENE PLUME IS INITIAL (YEAR ZERO) CONDITIONS BASED ON GROUNDWATER MONITORING RESULTS OBTAINED BETWEEN 2000 AND 2002.
3. BENZENE CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).
4. THE REGULATORY LIMIT FOR BENZENE IS 1 UG/L.

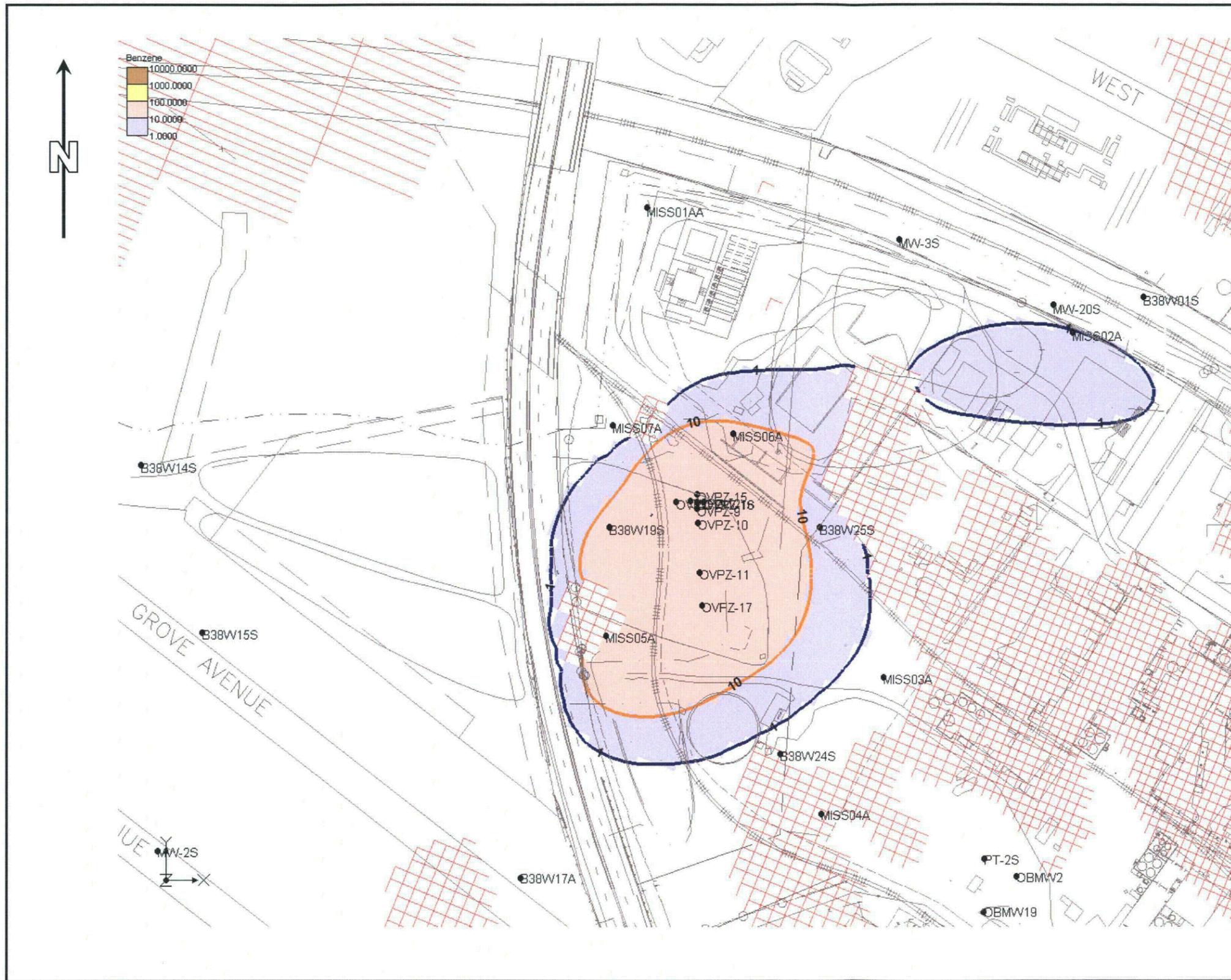
LEGEND:

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

SCALE
1 INCH = 150 FEET

FIGURE 8-8B
PUMPING SYSTEM LAYOUT AND
CAPTURE ZONE FOR
SHALLOW BEDROCK BENZENE PLUME
MAYWOOD SUPERFUND SITE, NEW JERSEY





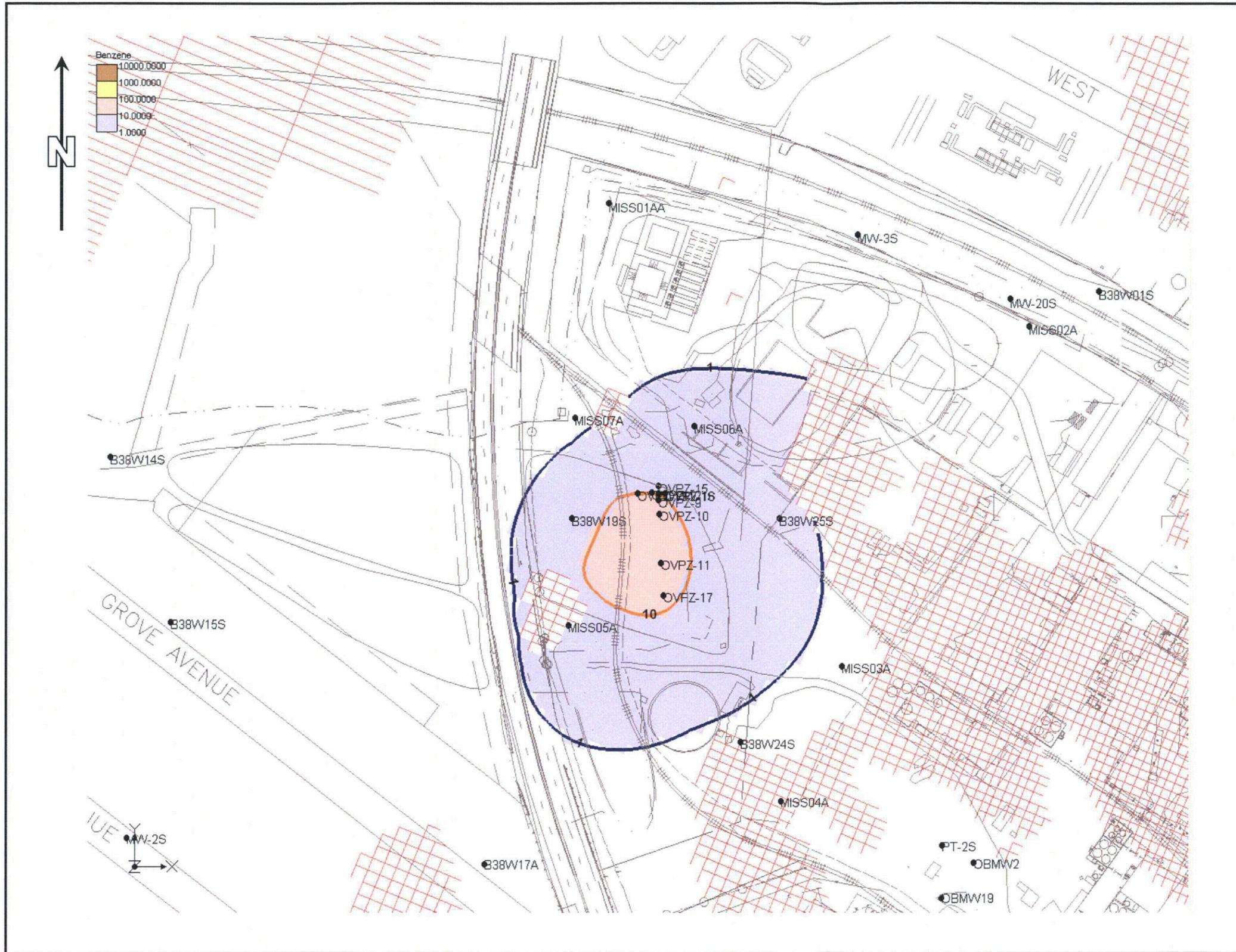
NOTES:

1. THE OVERBURDEN AQUIFER IS NOT PRESENT IN AREAS WITH MODEL GRID.
2. BENZENE CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).
3. THE REGULATORY LIMIT FOR BENZENE IS 1 UG/L.

SCALE
1 INCH = 150 FEET

FIGURE 8-9A
BENZENE IN OVERBURDEN GROUNDWATER
AFTER 2 YEARS OF PUMPING
MAYWOOD SUPERFUND SITE, NEW JERSEY



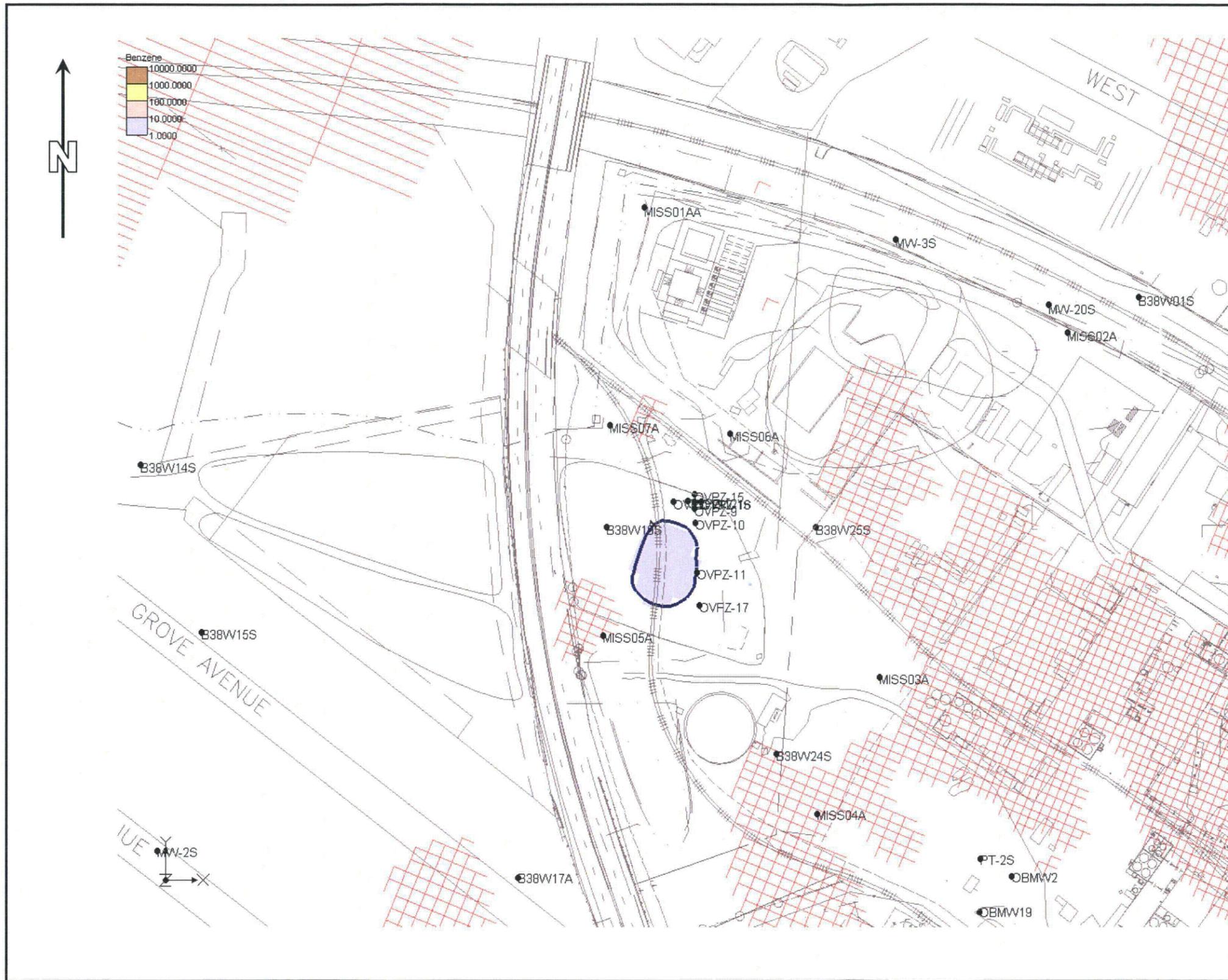


NOTES:

1. THE OVERBURDEN AQUIFER IS NOT PRESENT IN AREAS WITH MODEL GRID.
2. BENZENE CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).
3. THE REGULATORY LIMIT FOR BENZENE IS 1 UG/L.

SCALE
1 INCH = 150 FEET

FIGURE 8-9B
BENZENE IN OVERBURDEN GROUNDWATER
AFTER 4 YEARS OF PUMPING
MAYWOOD SUPERFUND SITE, NEW JERSEY



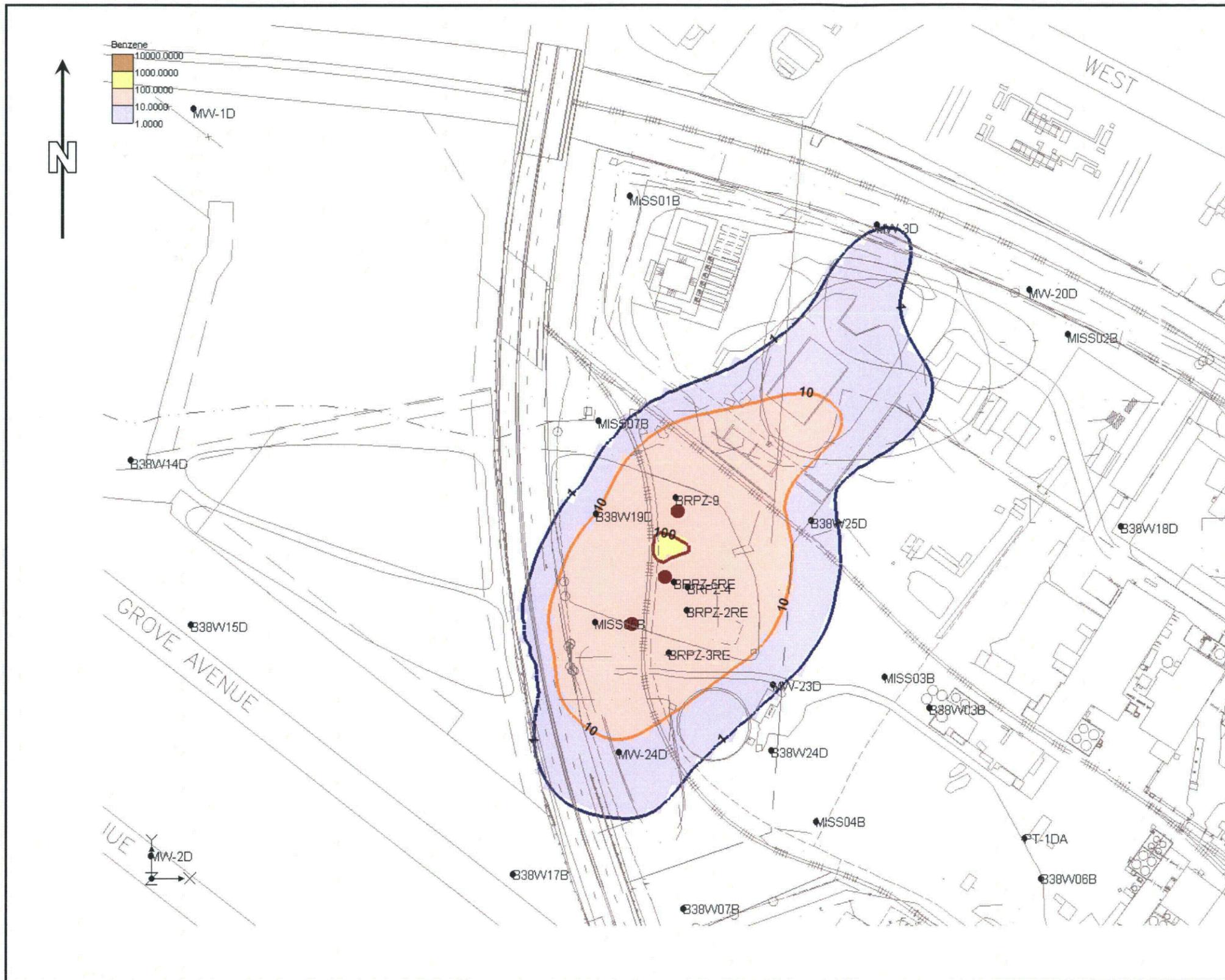
NOTES:

1. THE OVERBURDEN AQUIFER IS NOT PRESENT IN AREAS WITH MODEL GRID.
2. BENZENE CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).
3. THE REGULATORY LIMIT FOR BENZENE IS 1 UG/L.

SCALE
1 INCH = 150 FEET

FIGURE 8-9C
BENZENE IN OVERBURDEN GROUNDWATER
AFTER 7 YEARS OF PUMPING
MAYWOOD SUPERFUND SITE, NEW JERSEY





NOTES:

1. BENZENE CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).
2. THE REGULATORY LIMIT FOR BENZENE IS 1 UG/L.

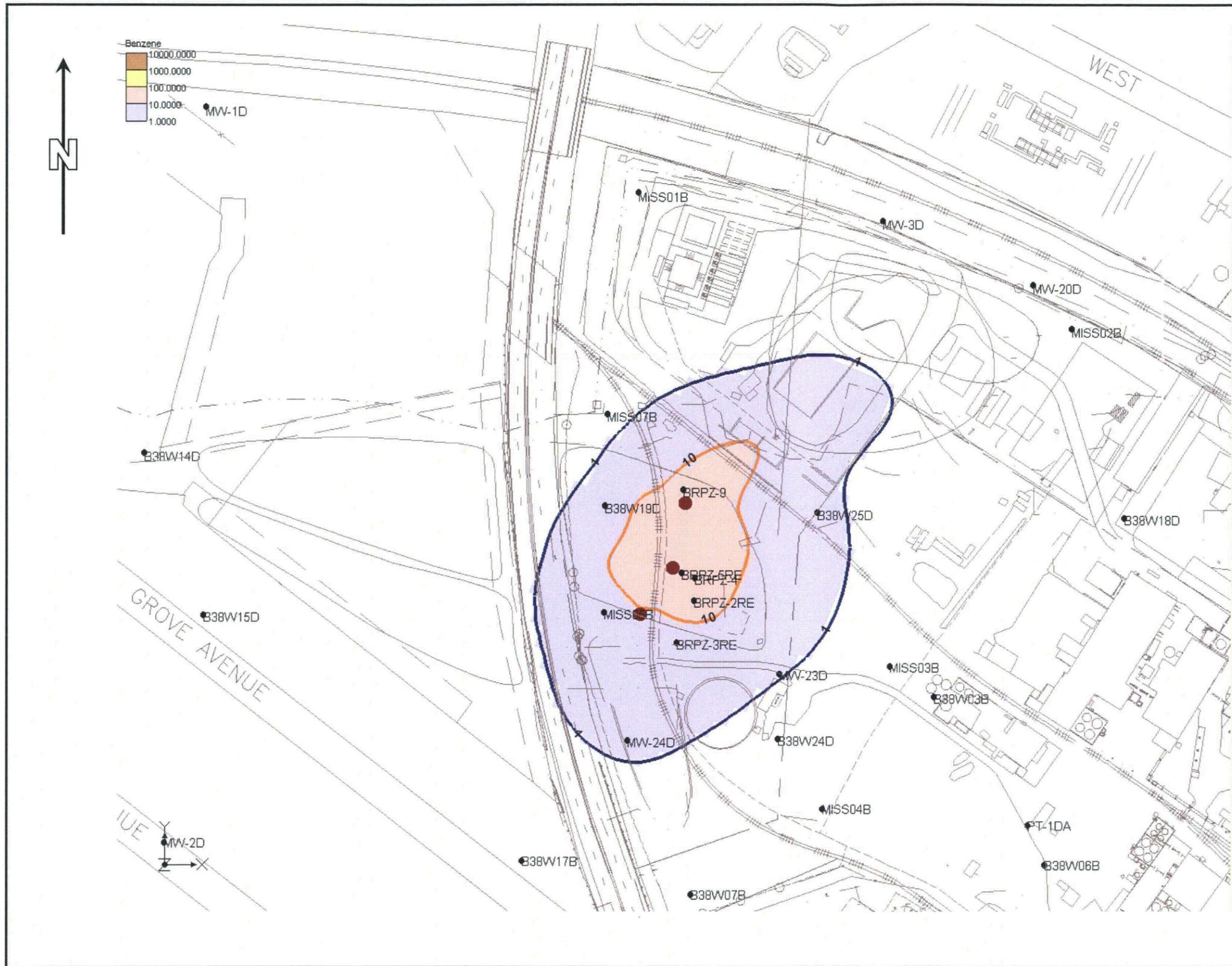
LEGEND:

- EXTRACTION WELL

SCALE
1 INCH = 150 FEET

FIGURE 8-10A
BENZENE IN SHALLOW BEDROCK
GROUNDWATER AFTER 2 YEARS OF
PUMPING
MAYWOOD SUPERFUND SITE, NEW JERSEY





NOTES:

1. BENZENE CONCENTRATIONS ARE DISPLAYED IN UNITS OF MICROGRAMS PER LITER (UG/L).
2. THE REGULATORY LIMIT FOR BENZENE IS 1 UG/L.

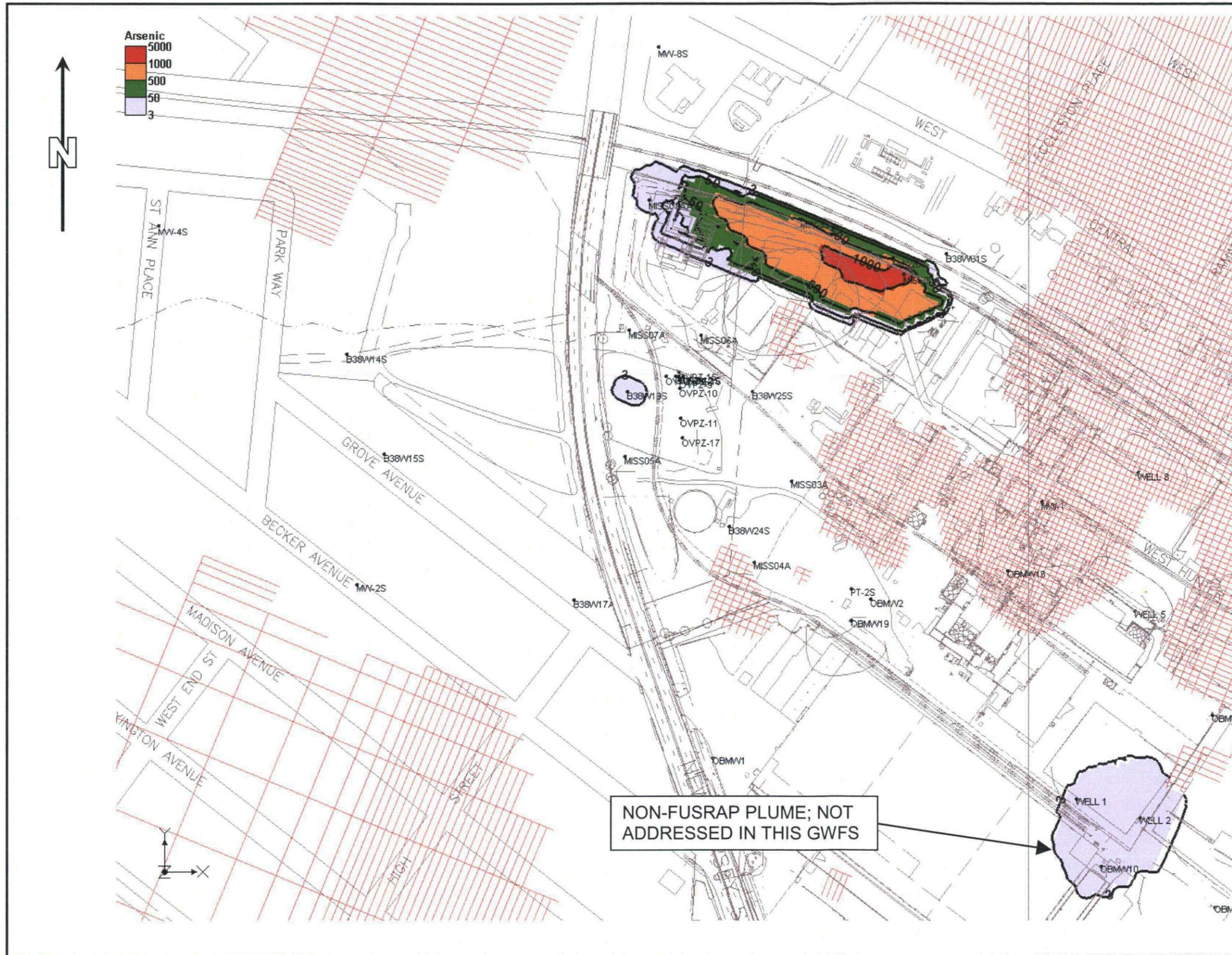
LEGEND:

- EXTRACTION WELL

SCALE
1 INCH = 150 FEET

FIGURE 8-10B
BENZENE IN SHALLOW BEDROCK
GROUNDWATER AFTER 4 YEARS OF
PUMPING
MAYWOOD SUPERFUND SITE, NEW JERSEY





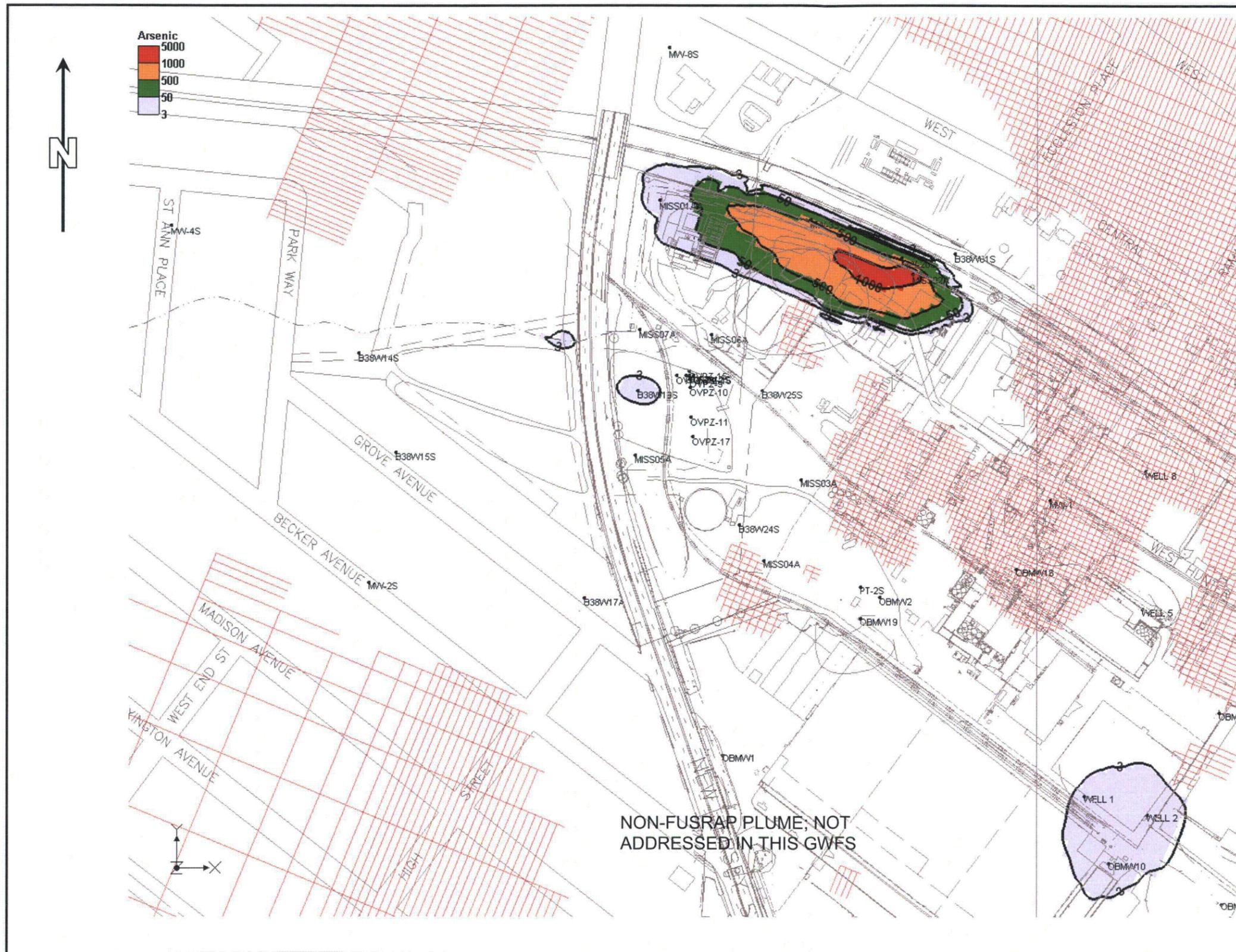
NOTES:

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 8-11A
ARSENIC IN OVERBURDEN
GROUNDWATER – YEAR ZERO
MAYWOOD SUPERFUND SITE, NEW JERSEY





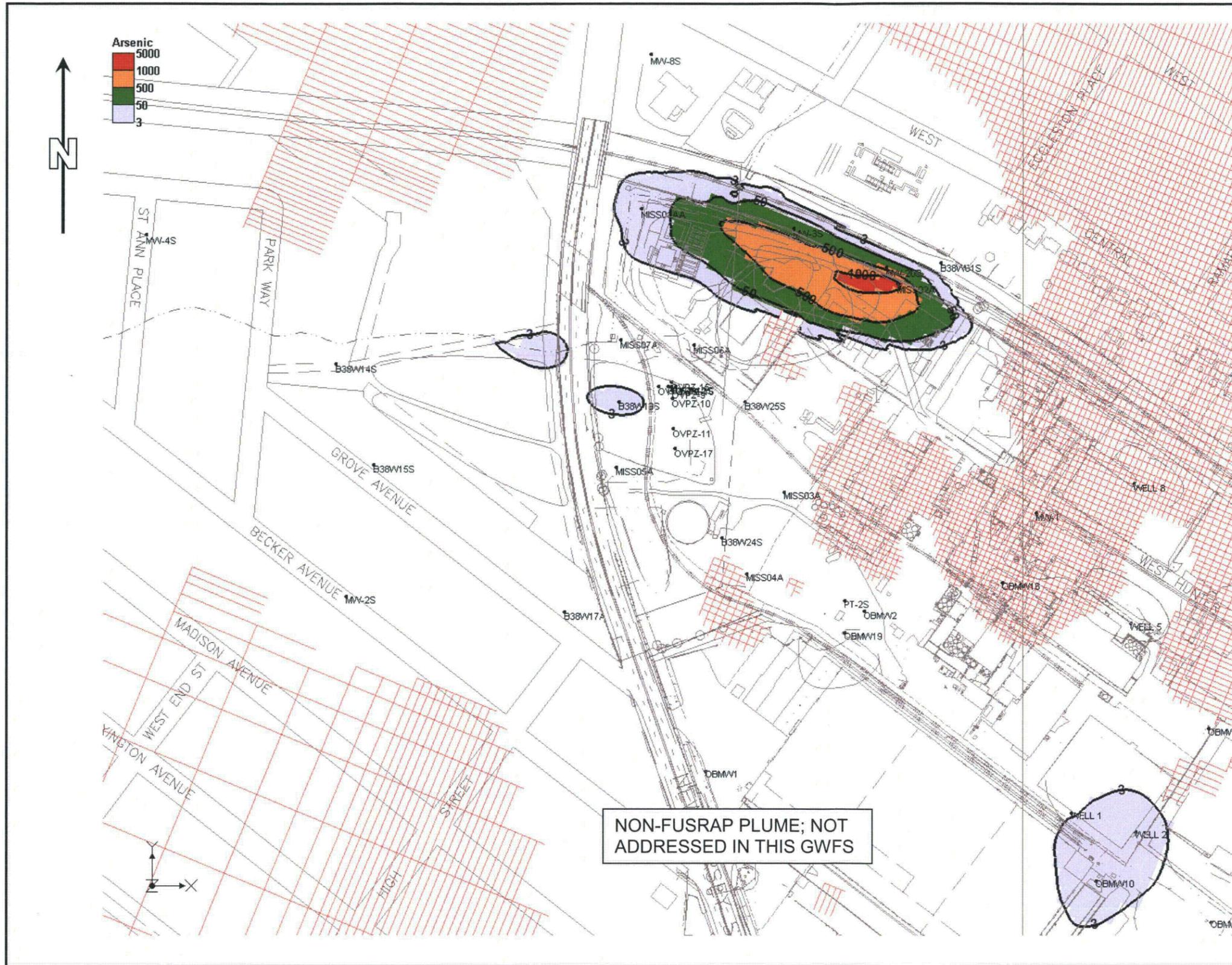
NOTES:

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.

SCALE
1 INCH = 250 FEET

FIGURE 8-11B
ARSENIC IN OVERBURDEN GROUNDWATER
AFTER 5 YEARS OF
NO ACTION / NATURAL ATTENUATION
MAYWOOD SUPERFUND SITE, NEW JERSEY





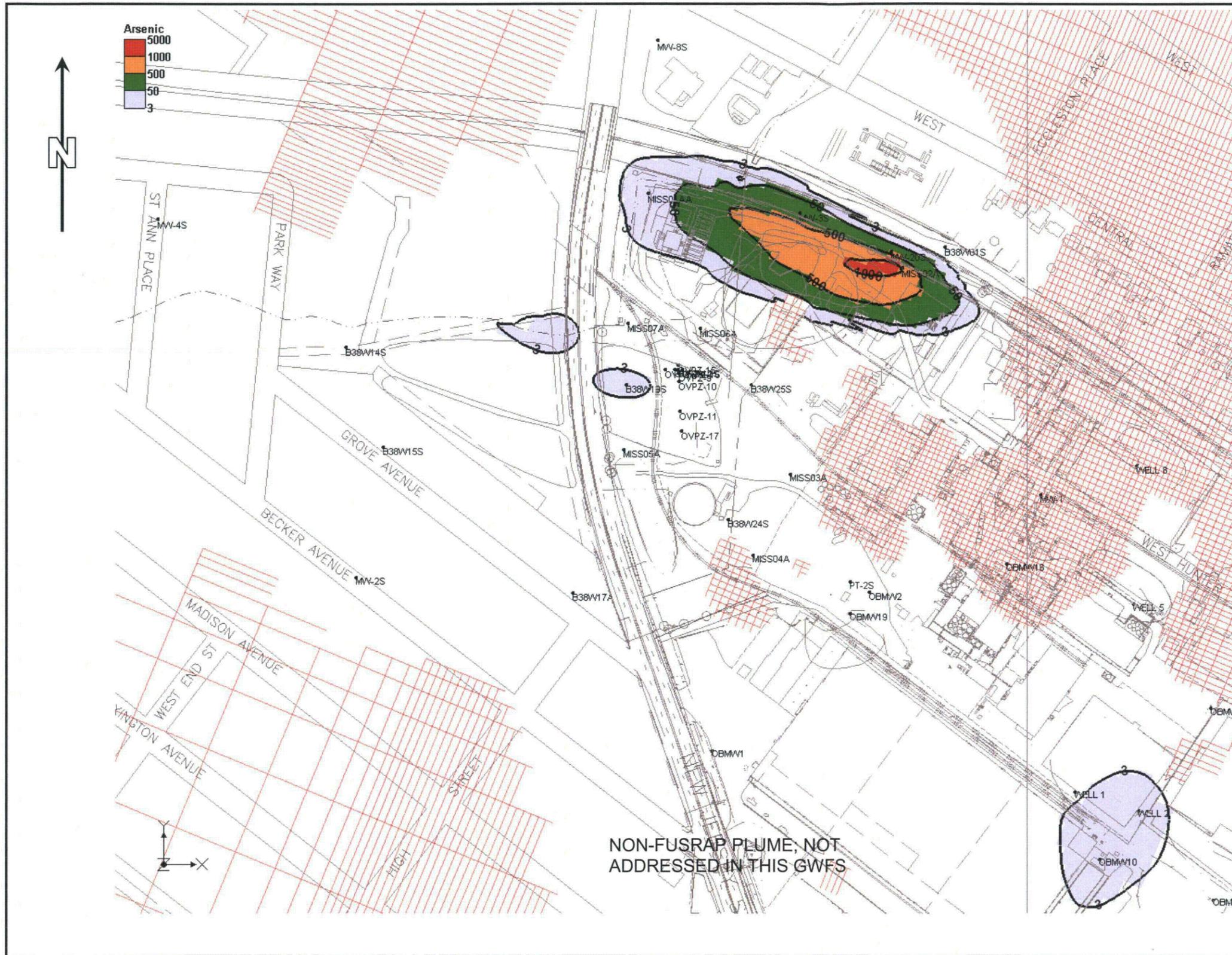
NOTES:

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.

SCALE
 1 INCH = 250 FEET

FIGURE 8-11E
ARSENIC IN OVERBURDEN GROUNDWATER
AFTER 20 YEARS OF
NO ACTION / NATURAL ATTENUATION
MAYWOOD SUPERFUND SITE, NEW JERSEY





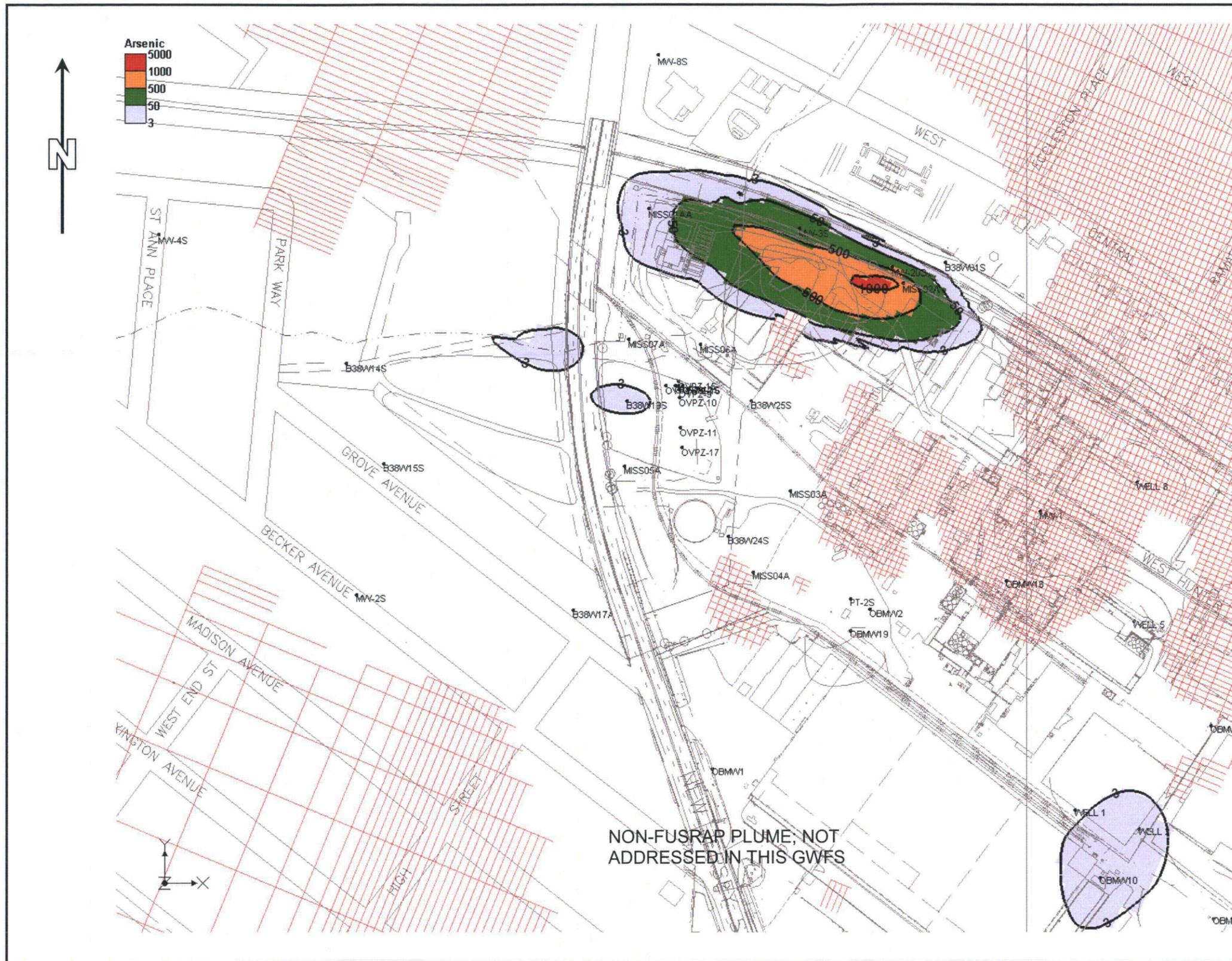
NOTES:

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.

SCALE
 1 INCH = 250 FEET

FIGURE 8-11F
ARSENIC IN OVERBURDEN 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. 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.

SCALE
 1 INCH = 250 FEET

FIGURE 8-11G
ARSENIC IN OVERBURDEN GROUNDWATER
AFTER 30 YEARS OF
NO ACTION / NATURAL ATTENUATION
MAYWOOD SUPERFUND SITE, NEW JERSEY

