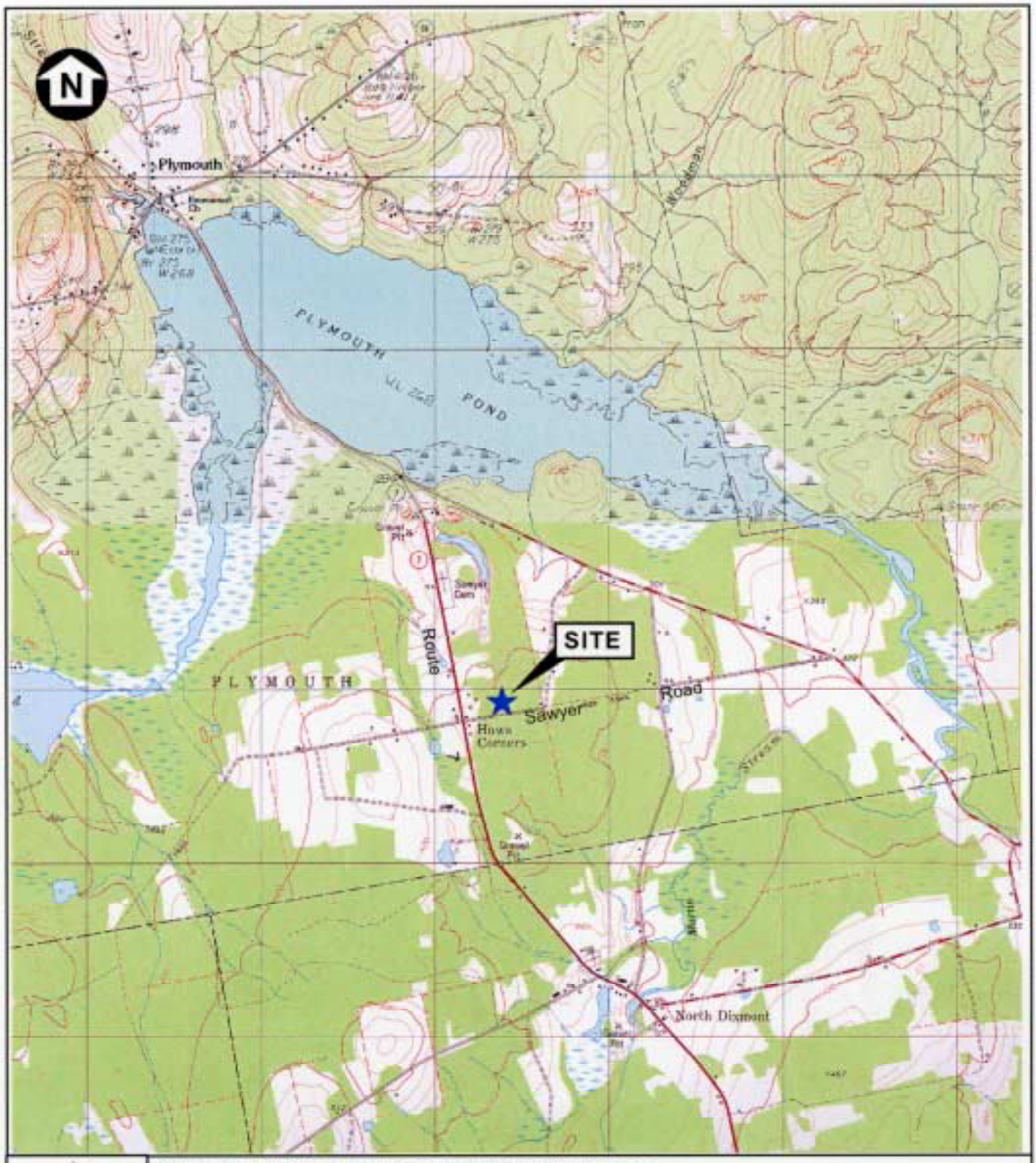
Click here to return to main document and Bookmarks

Appendix A
Figures

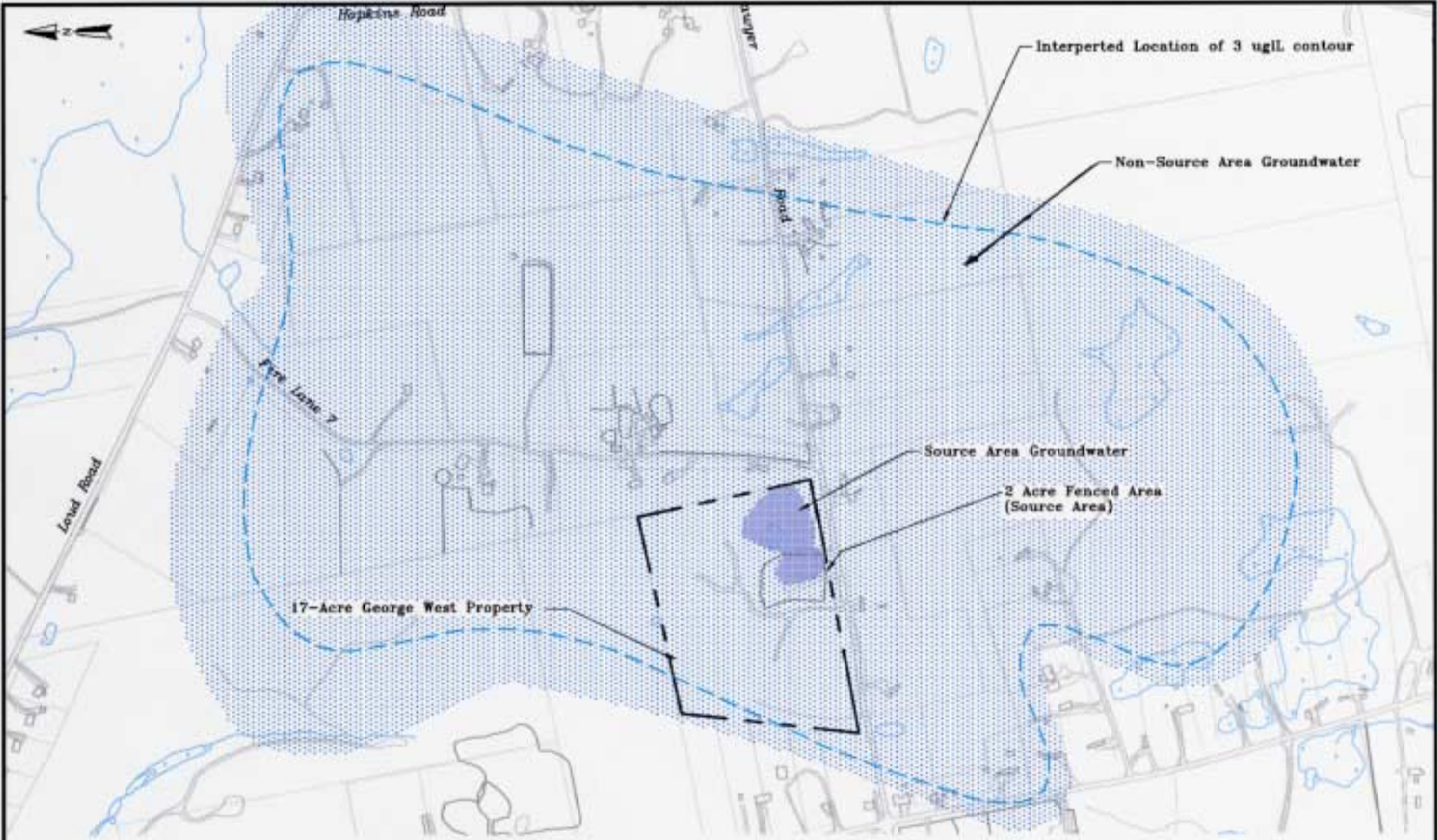


Source: USGS Topographic 7.5-minute Series Quadrangles - Plymouth, ME, 1982, and Dixmont, ME, 1982.

Figure 1
Site Location Map
Hows Corner Superfund Site
Plymouth, Maine

205643.01\siteloc

This page, and the following 11, are not text searchable.



VOC = Volatile Organic Compound
ugll = Microgram per Liter
ppm = Parts per Million

0 300 600
FEET

Notes:

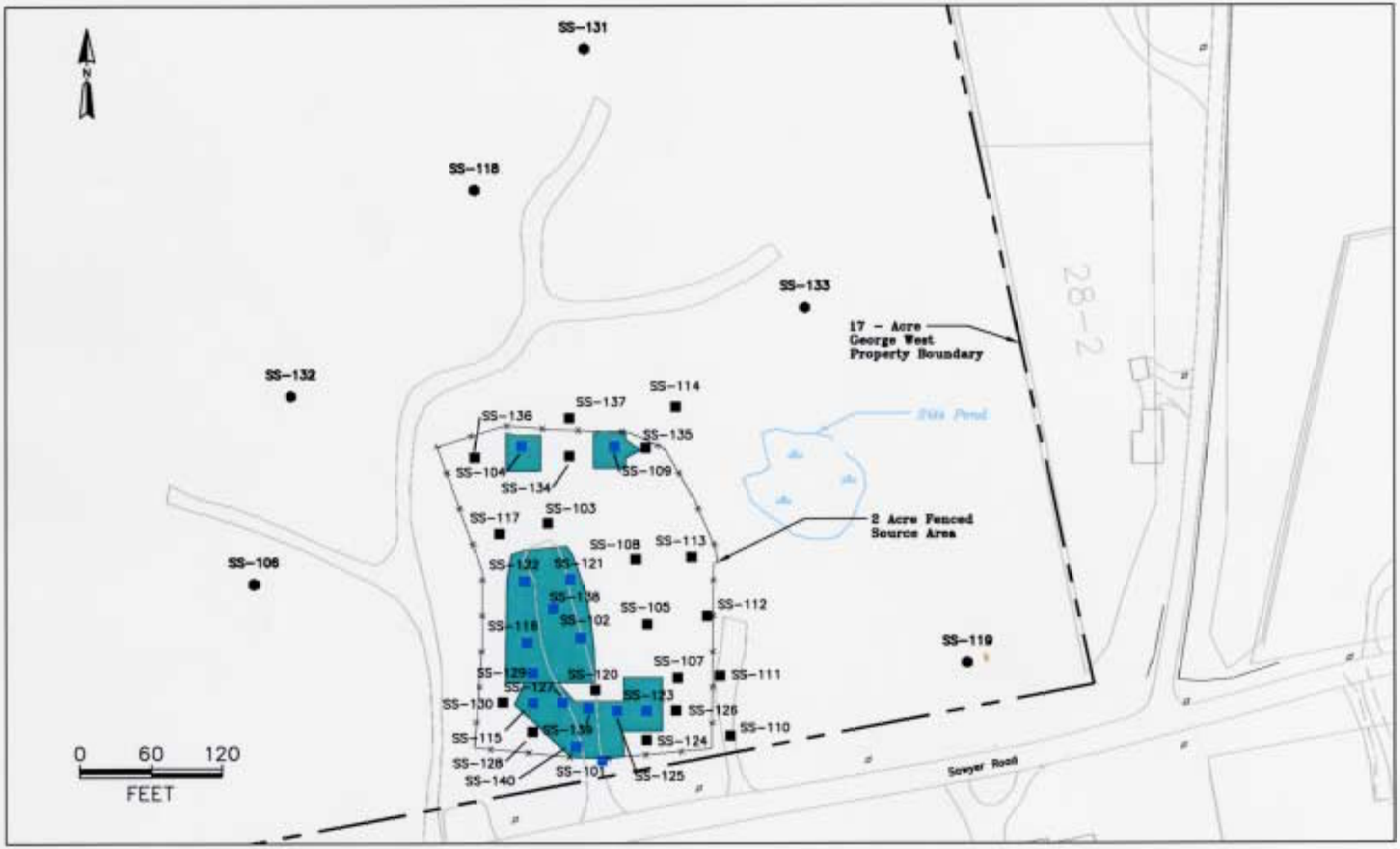
1. Shaded areas based on Maximum Extent of total VOCs in either December 1999 Pre-ROD or June 2000 Supplemental Sampling Events.

2. Source Area Groundwater is defined as groundwater with total VOC concentration equal to or greater than 10,000 ug/l (10 ppm).

3. Non Source Area Groundwater is defined as groundwater with total VOC concentrations less then 10,000 ug/l (10ppm).

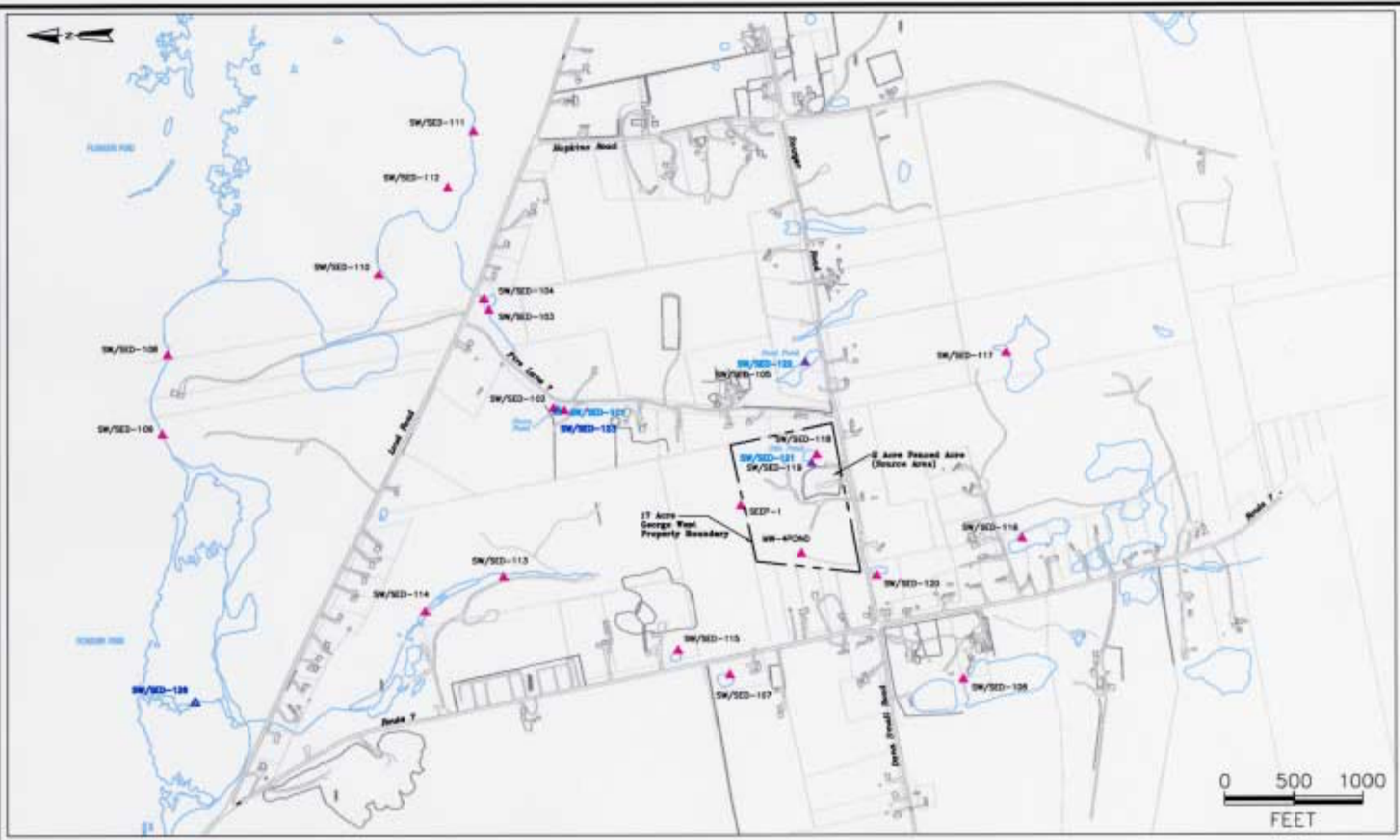
4. 3 ugIL contour based on Maine Maximum Exposure Guideline (1992) for PCE.

Figure 2
Site Plan Detail
Hows Corner Superfund Site
Plymouth, Maine



- RI Soil sample location
- RI Background soil sample location
- George West property boundary
- 2 acre fenced area (source area)
- RI Remedial Investigation
- RI Soil sample location, excavated during pilot test. Soil sampling results from these locations not included in risk calcuations.
- Area of soil excavation during pilot test.

Figure 3
Soil Sampling Locations
Hows Corner Superfund Site
Plymouth, Maine



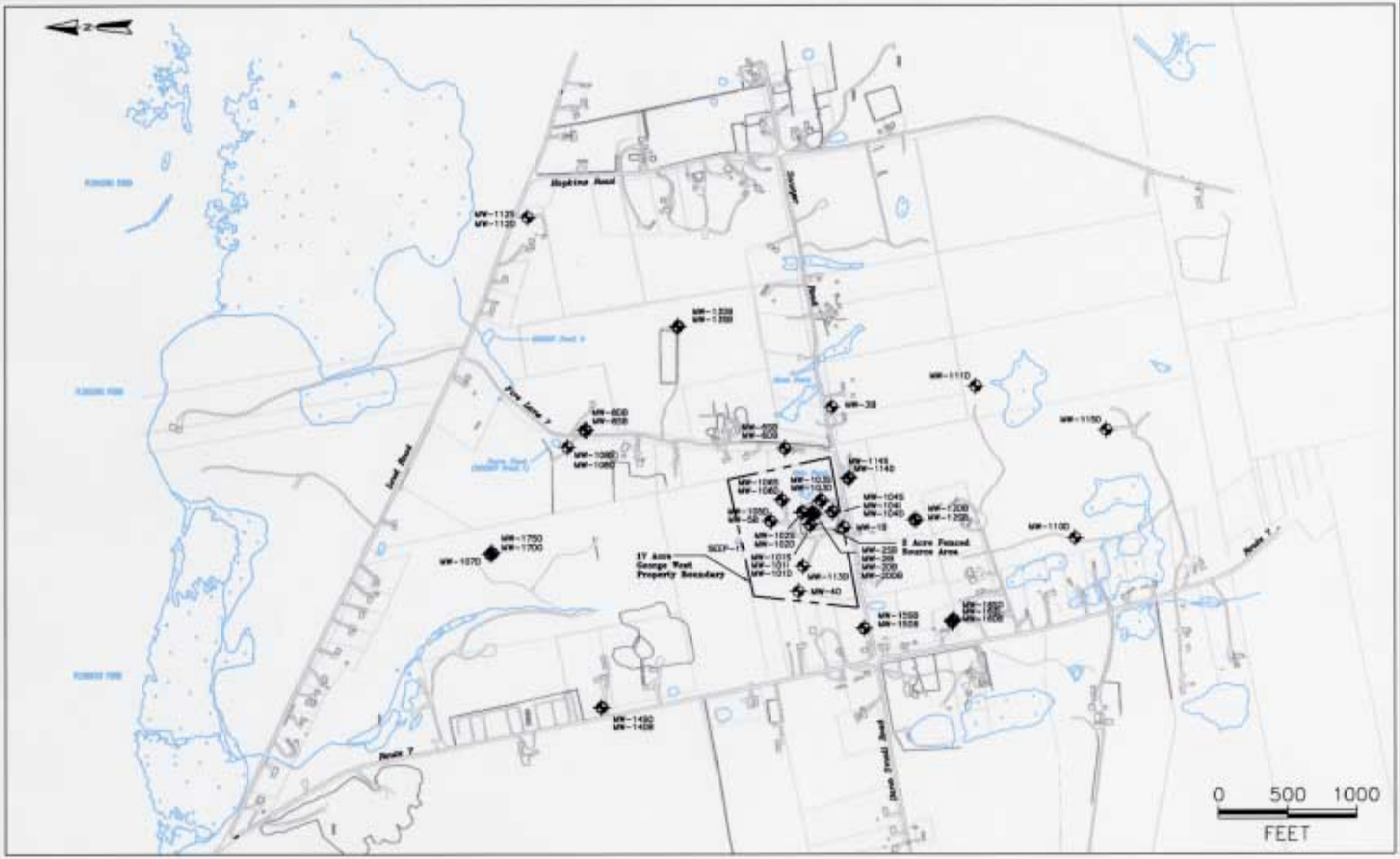
surface water body

Pre-ROD surface water/sediment sample location (November 1999)

Supplemental surface water/sediment sample location (June 2000)

Pre-ROD/Supplemental surface water/sediment sample location (November 1999/June 2000)

Figure 4
Surface Water and Sediment Sampling Locations
Hows Corner Superfund Site
Plymouth, Maine

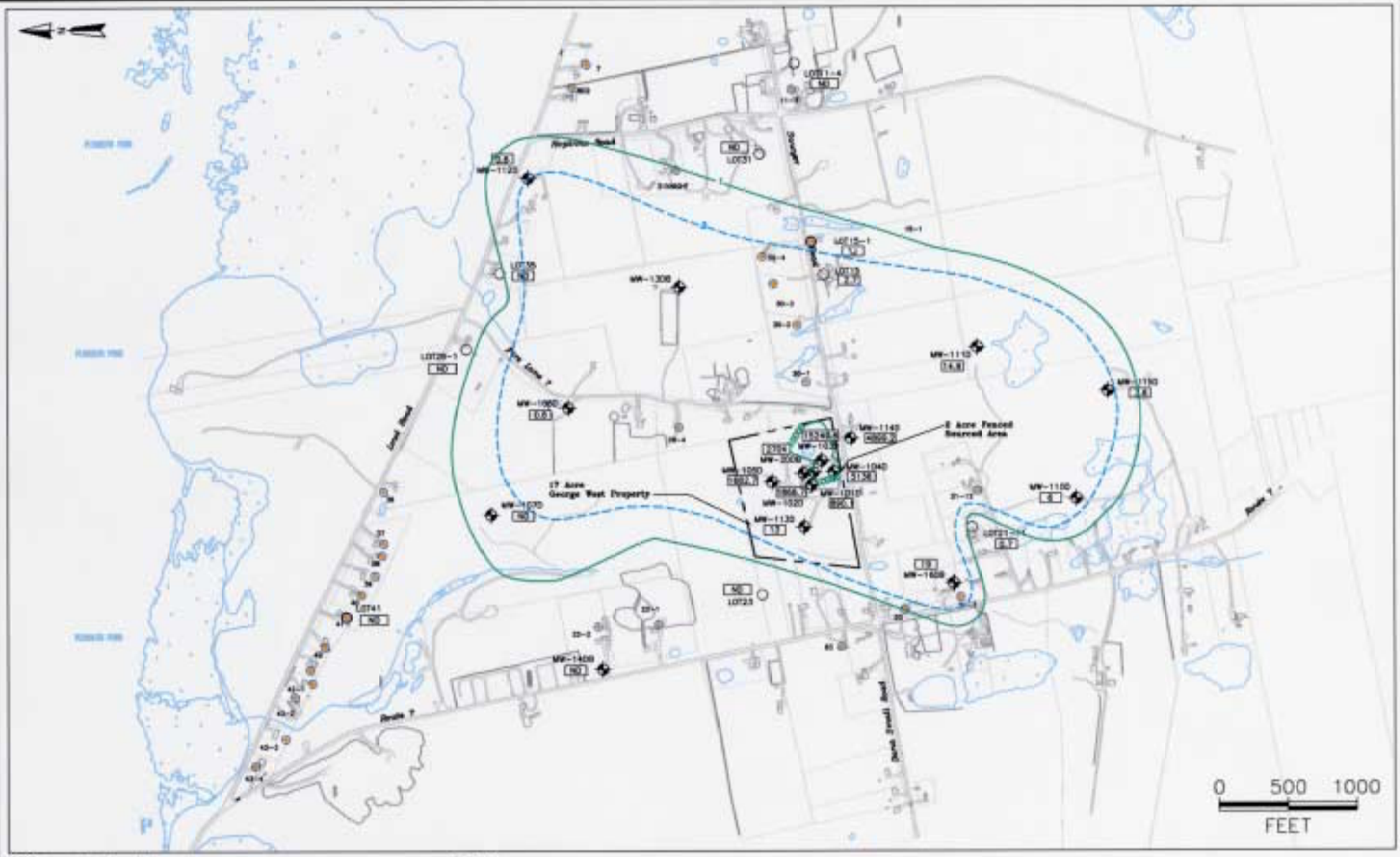


RI/FS Groundwater monitoring well

Property boundary

2 Acre fenced source area

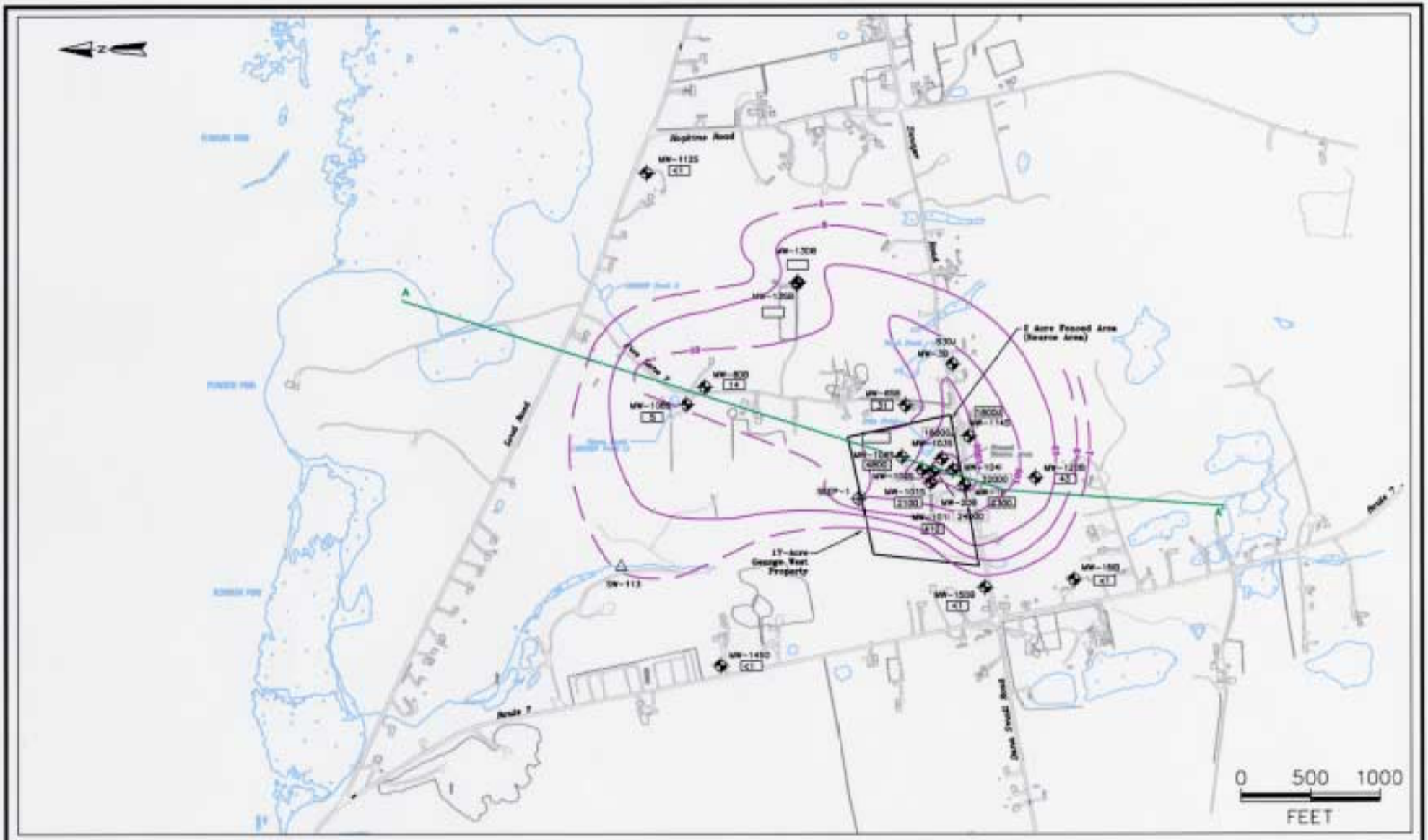
Figure 5
Monitoring Well Locations
Hows Corner Superfund Site
Plymouth, Maine



Notes:
1. Contours based on Maximum Extent of total VOCs in either December 1999 Pre-ROD or June 2000 Supplemental Sampling Events.

2. 3 ug/L contour based on Maine Maximum Exposure Guideline (1992) for PCE.

Figure 6
Interpretive Total VOCs Isopleth Map - Bedrock Groundwater
Hows Corner Superfund Site
Plymouth, Maine

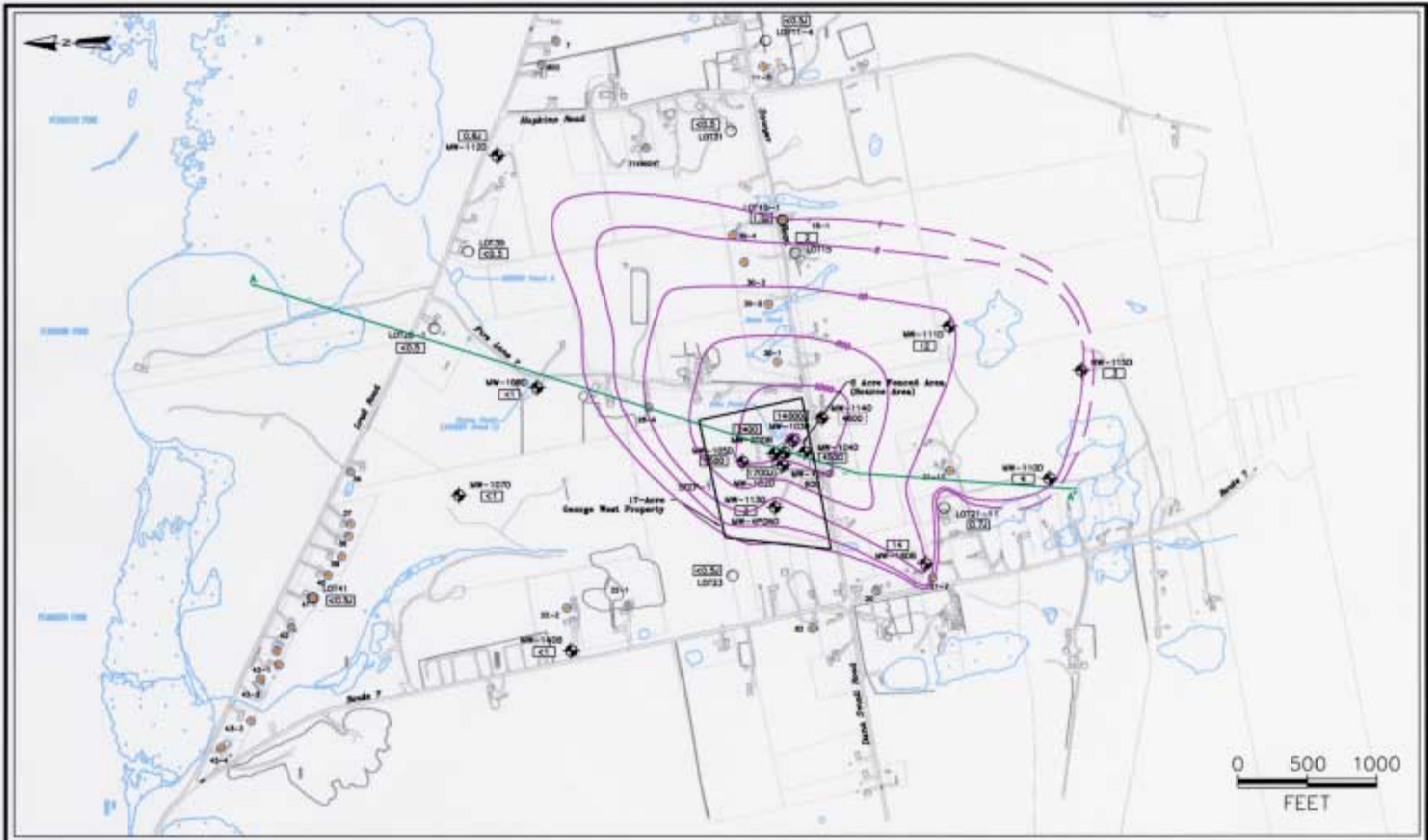


- Monitoring well
- PCE contour (ug/l) – December 1999/January 2000
- Property boundary
- 2 Acre fenced source area
- Detected PCE concentration
- Surface Water Sampling Location
- Seep Sampling Location

Notes:
1. SW-113 is located downstream of SEEP-1; these two locations were sampled during the Baseline Sampling Event in October/November 1999.

2. 3 ug/L contour based on Maine Maximum Exposure Guideline (1992).

Figure 7
Distribution of PCE in Shallow Bedrock Groundwater
Hows Corner Superfund Site
Plymouth, Maine



Monitoring well

Residential well

PCE contour (ug/l)

Property boundary

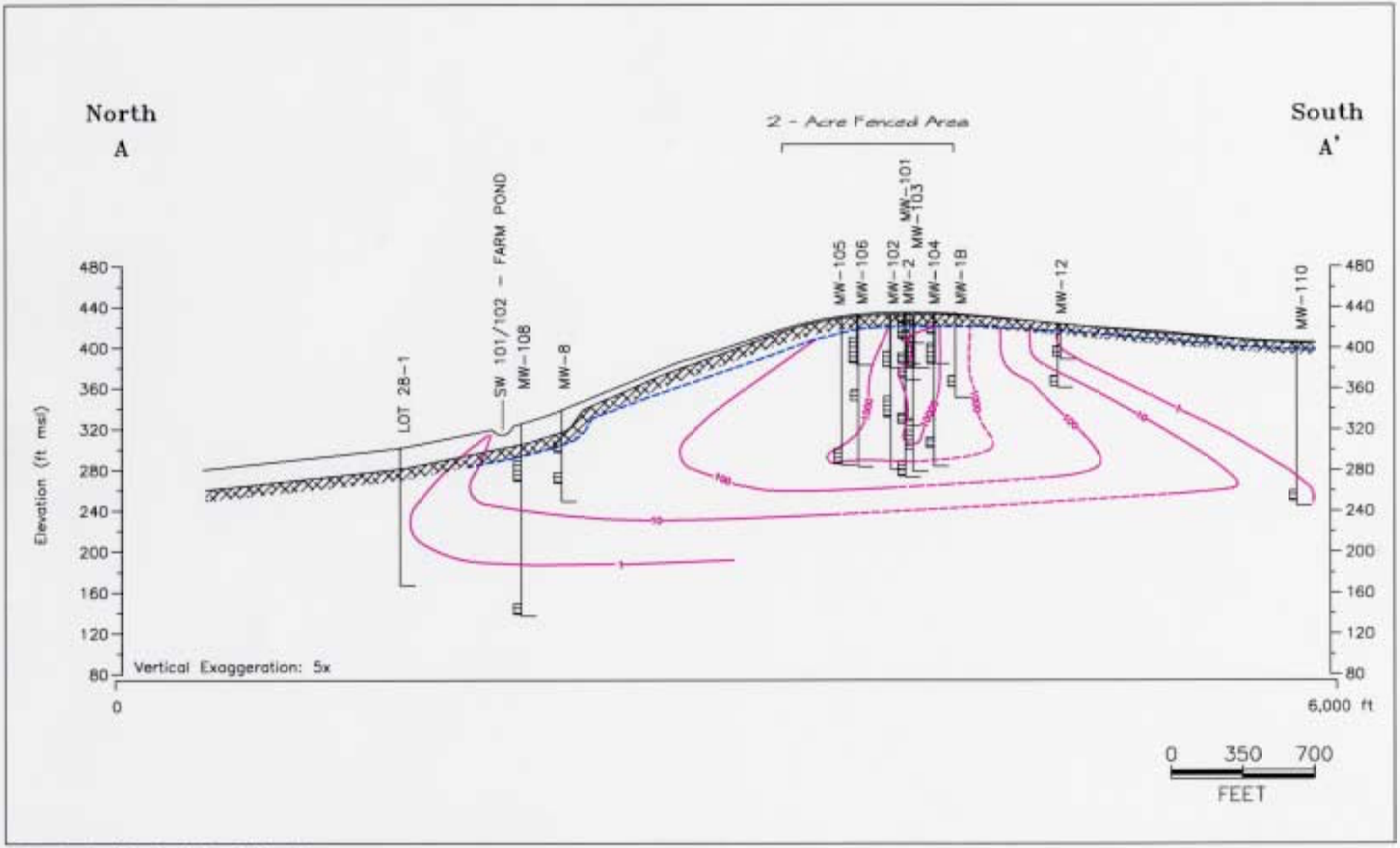
2 Acre fenced source area

Active residential well with lot number

3 Detected PCE concentration

Note:
3 ugIL contour based on Maine Maximum Exposure Guideline (1992).

Figure 8
Distribution of PCE in Deep Bedrock Groundwater
Hows Corner Superfund Site
Plymouth, Maine



Contours based on December 1999 pre-ROD sampling

Overburden

Bedrock surface

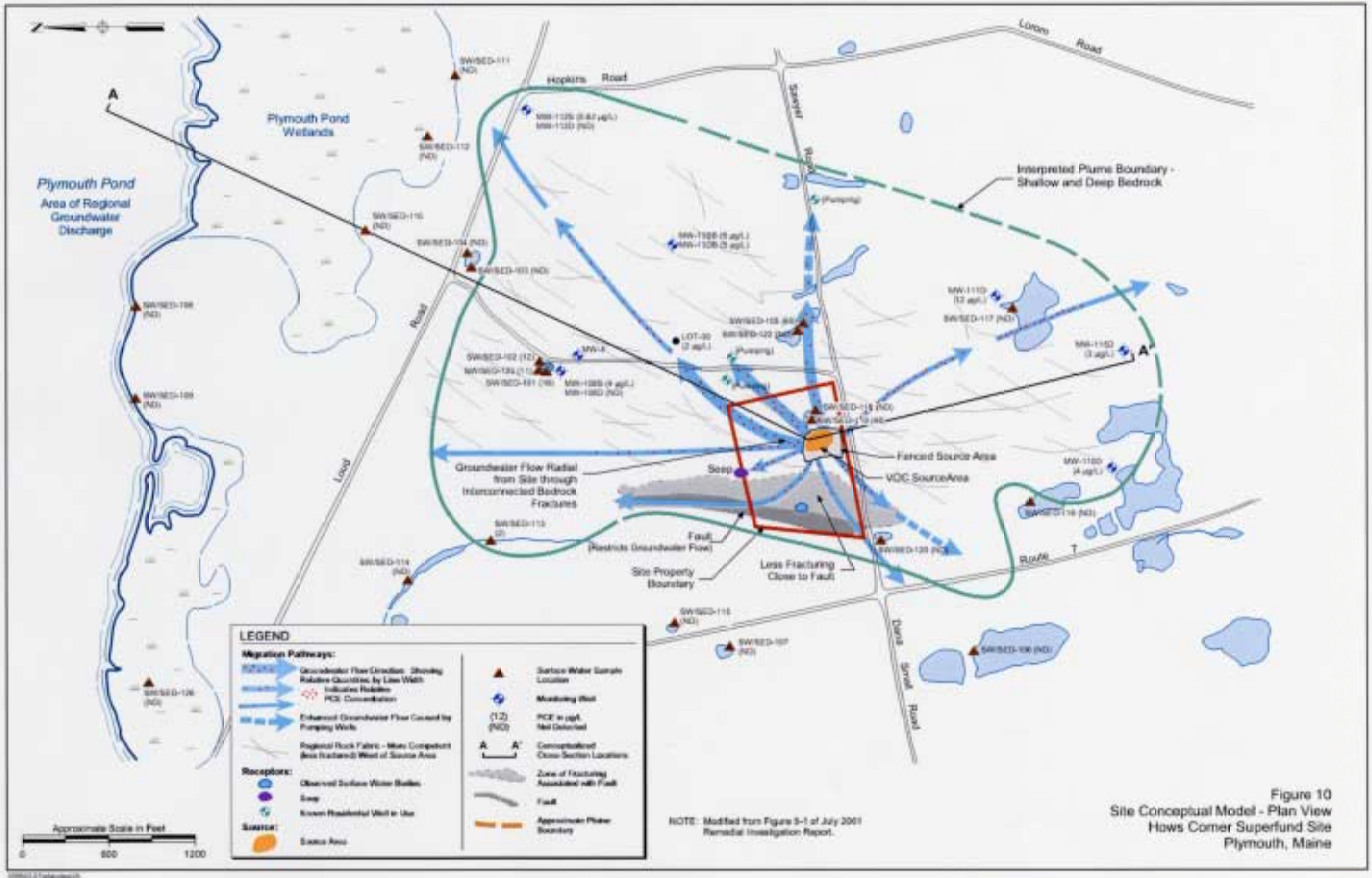
Screen interval

Shallow bedrock potentiometric surface (pre-ROD)

PCE contour (ug/l)

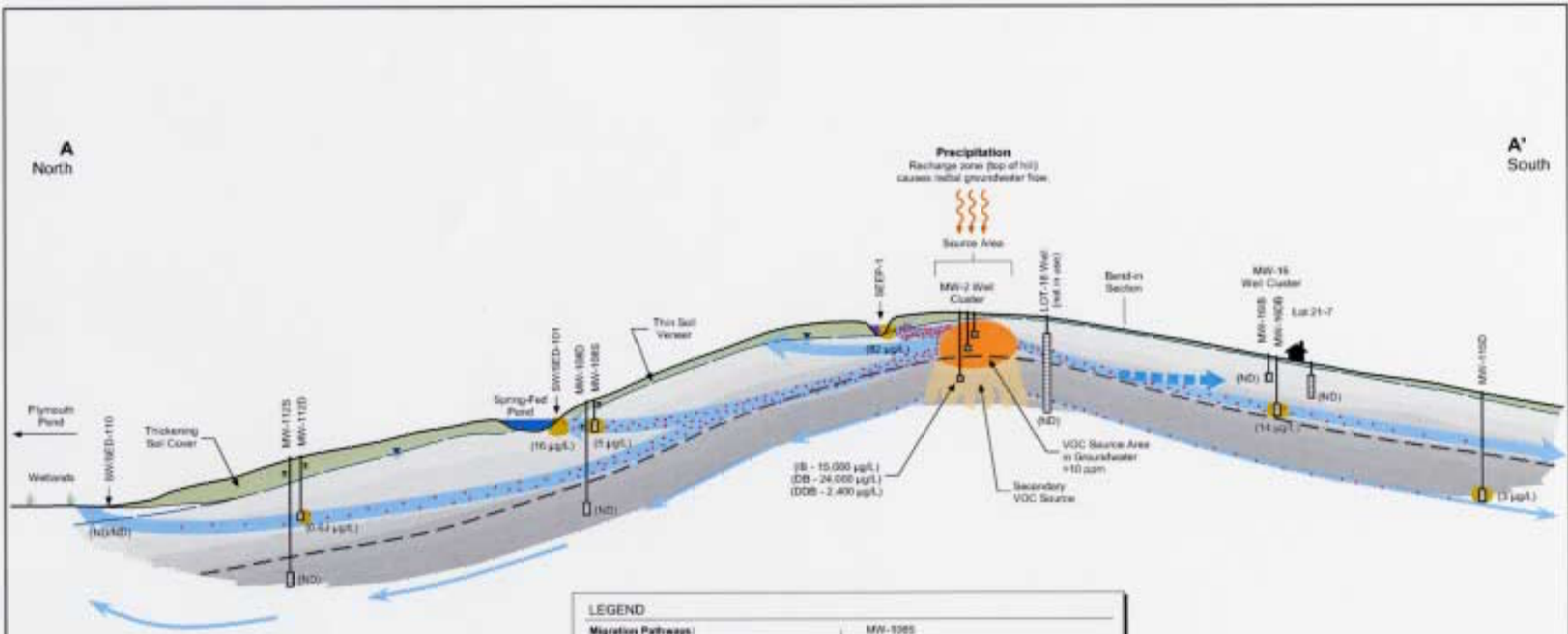
See Figure 7 for cross section location

Figure 9
PCE Concentrations With Depth
Cross Section A-A'
Hows Corner Superfund Site
Plymouth, Maine



NOTE: Modified from Figure 5-1 of July 2001 Remedial Investigation Report.

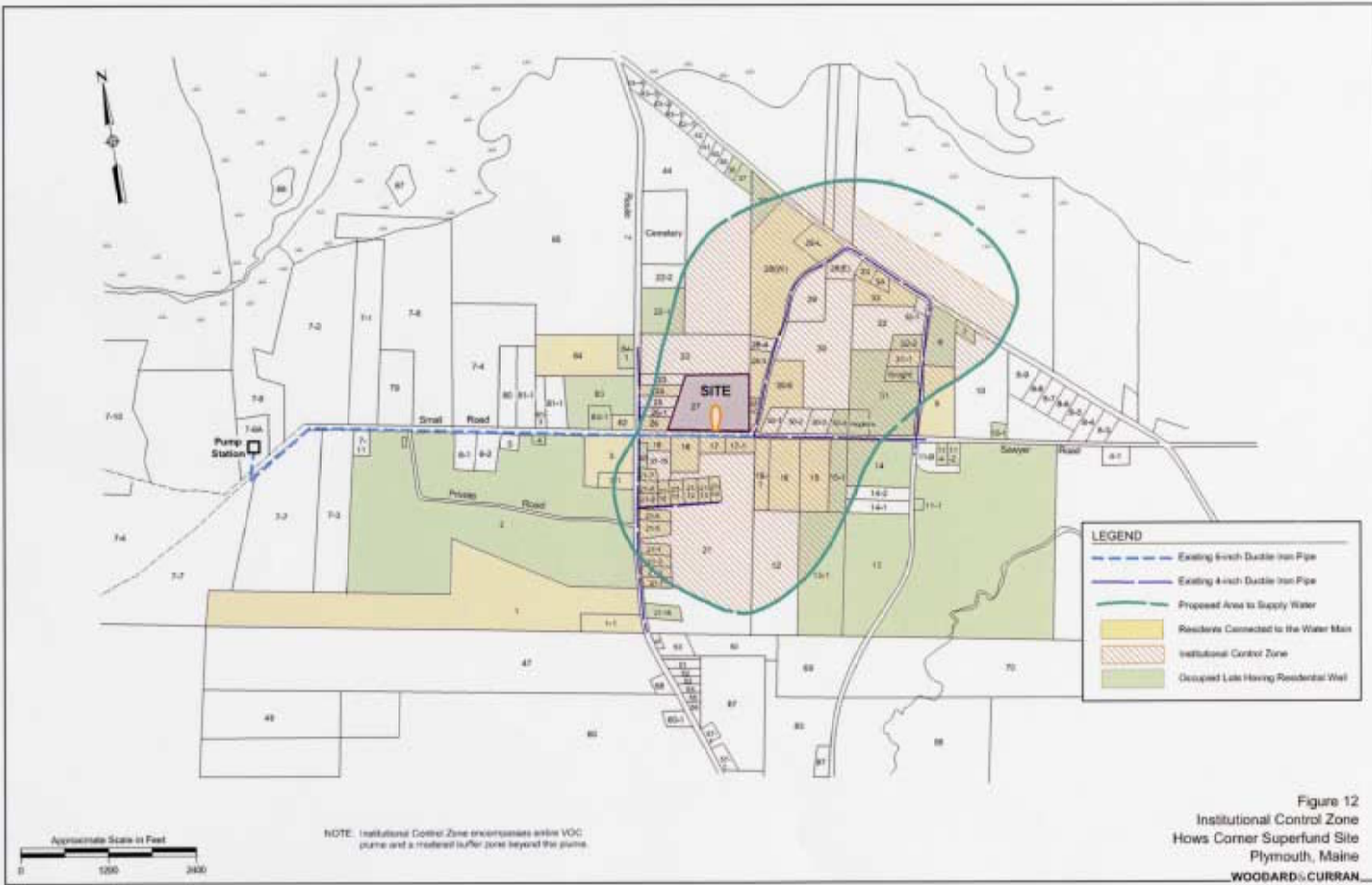
Figure 10
Site Conceptual Model - Plan View
Haws Corner Superfund Site
Plymouth, Maine



Source: Modified from Figure 5-3 of July 2001 Remedial Investigation Report.

Not to Scale

Figure 11
Conceptual Model - Cross Section
Hows Corner Superfund Site
Plymouth, Maine



NOTE: Institutional Control Zone encompasses entire VOC plume and a mistered buffer zone beyond the plume.

Figure 12
Institutional Control Zone
Hows Corner Superfund Site
Plymouth, Maine

WOODARD & CURRAN