



2011 ANNUAL MONITORING REPORT

HIGHWAY 96 SITE WHITE BEAR TOWNSHIP, MINNESOTA

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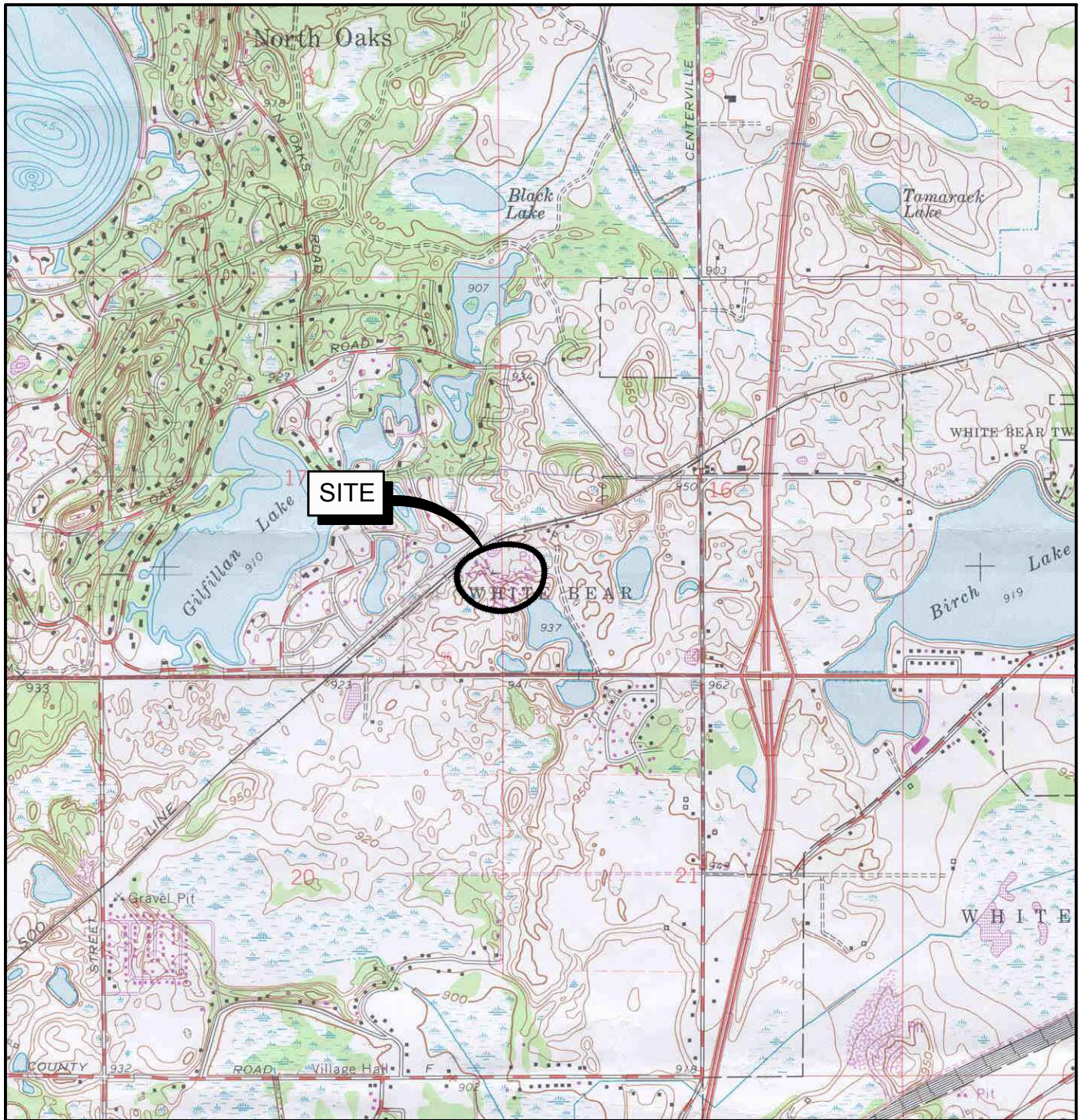
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SOURCE: USGS 7.5 MINUTE QUAD
WHITE BEAR LAKE WEST, MINN.

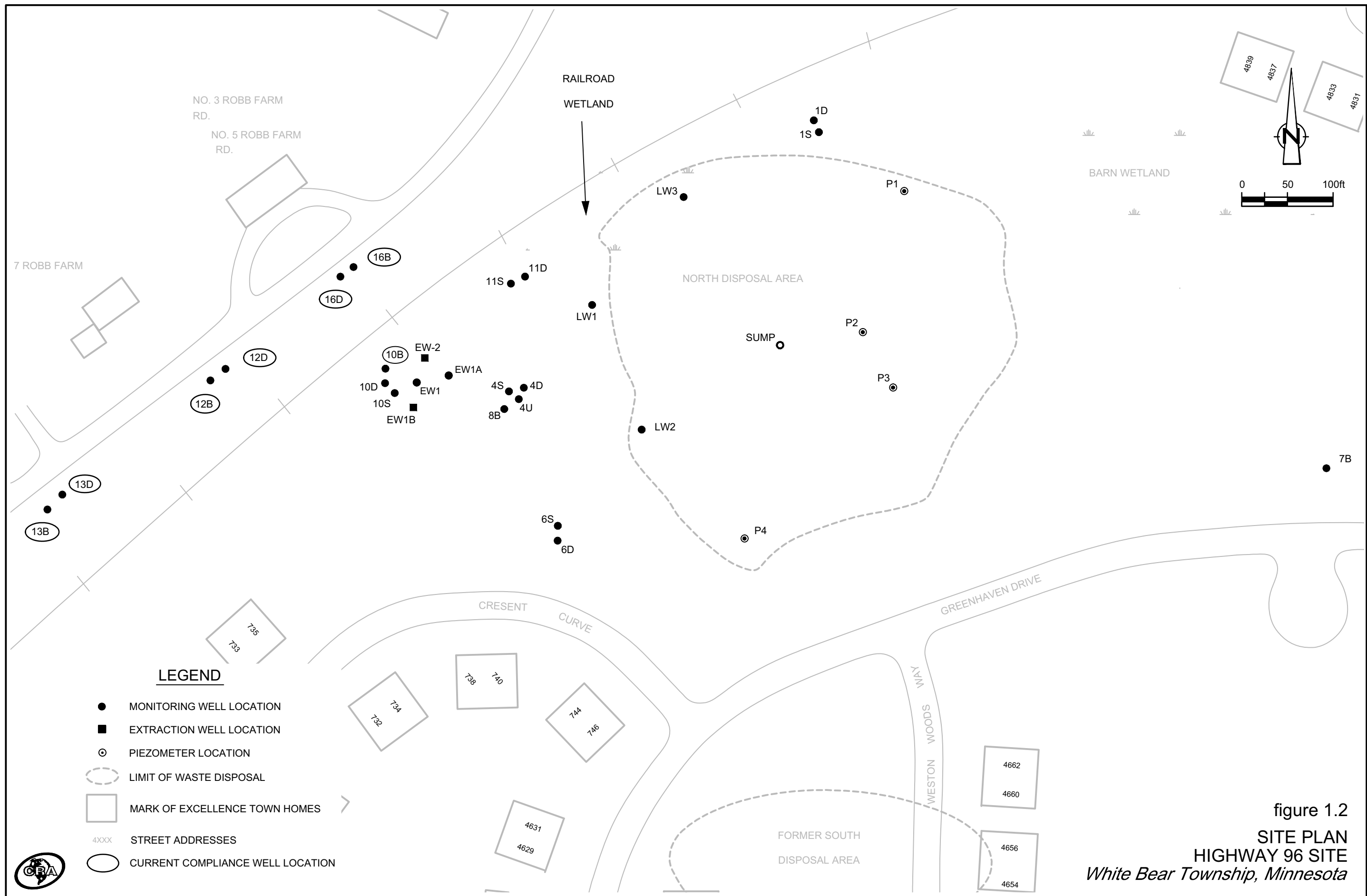


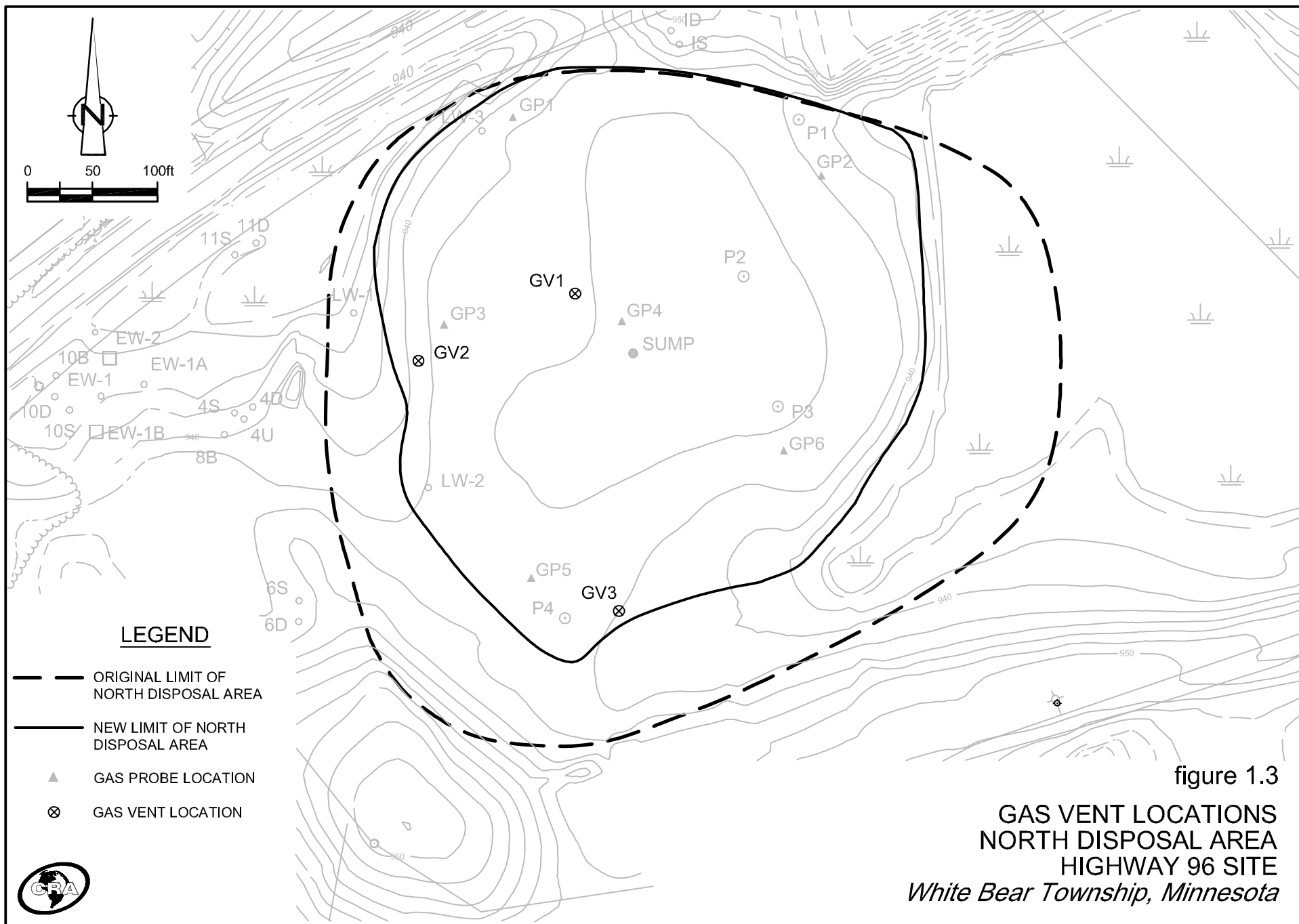
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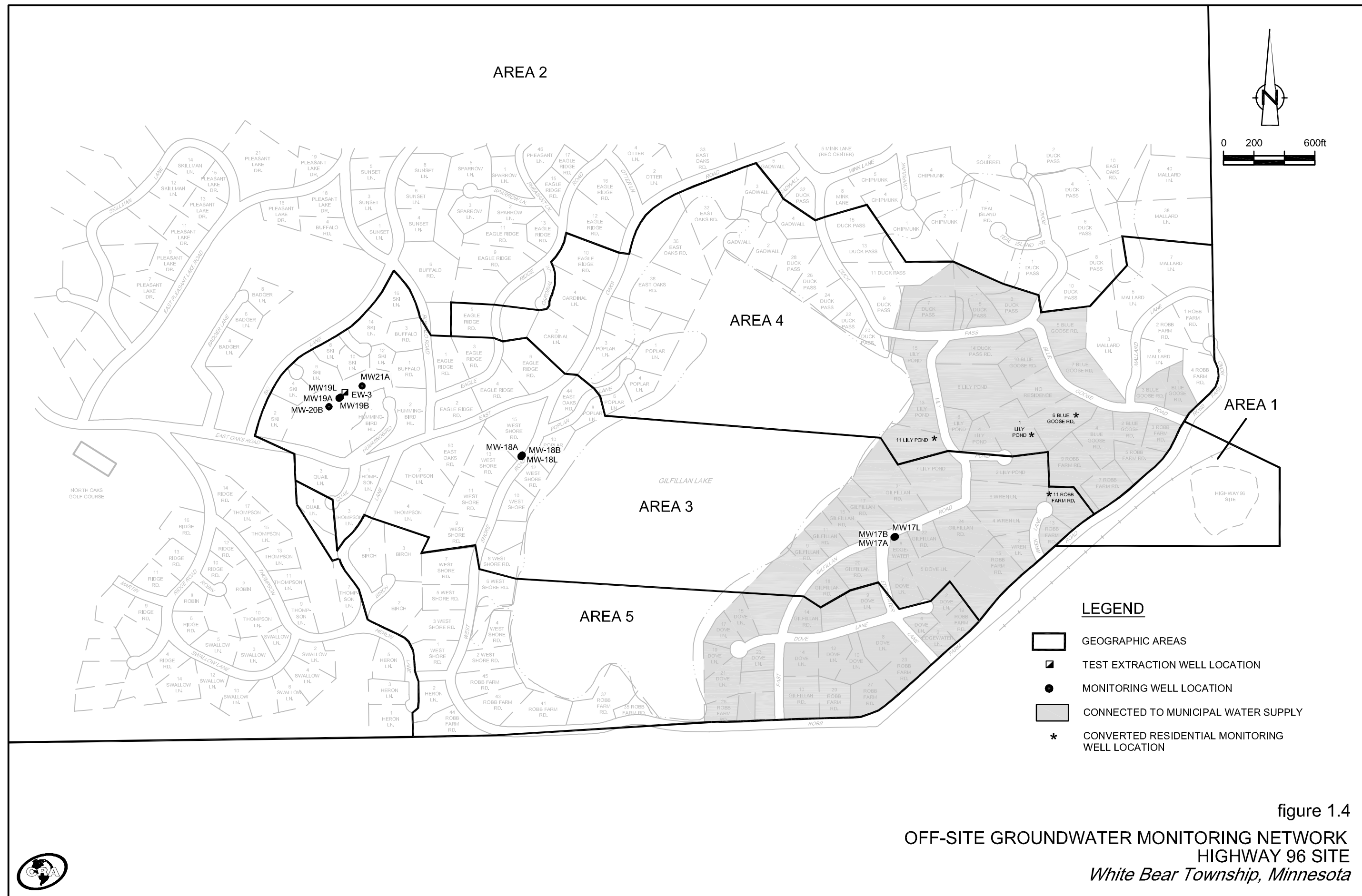


figure 1.1

SITE LOCATION
HIGHWAY 96 SITE
White Bear Township, Minnesota







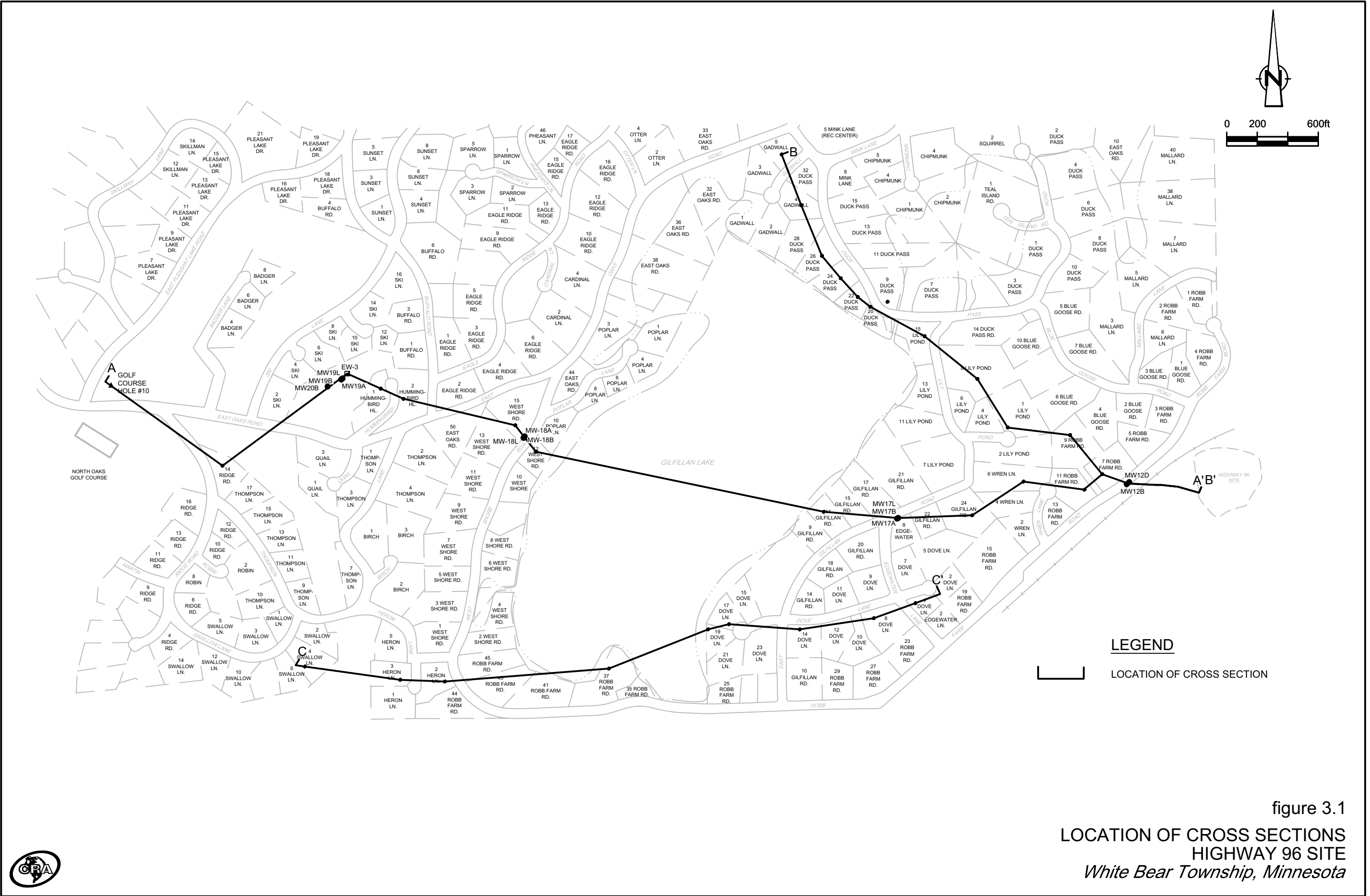
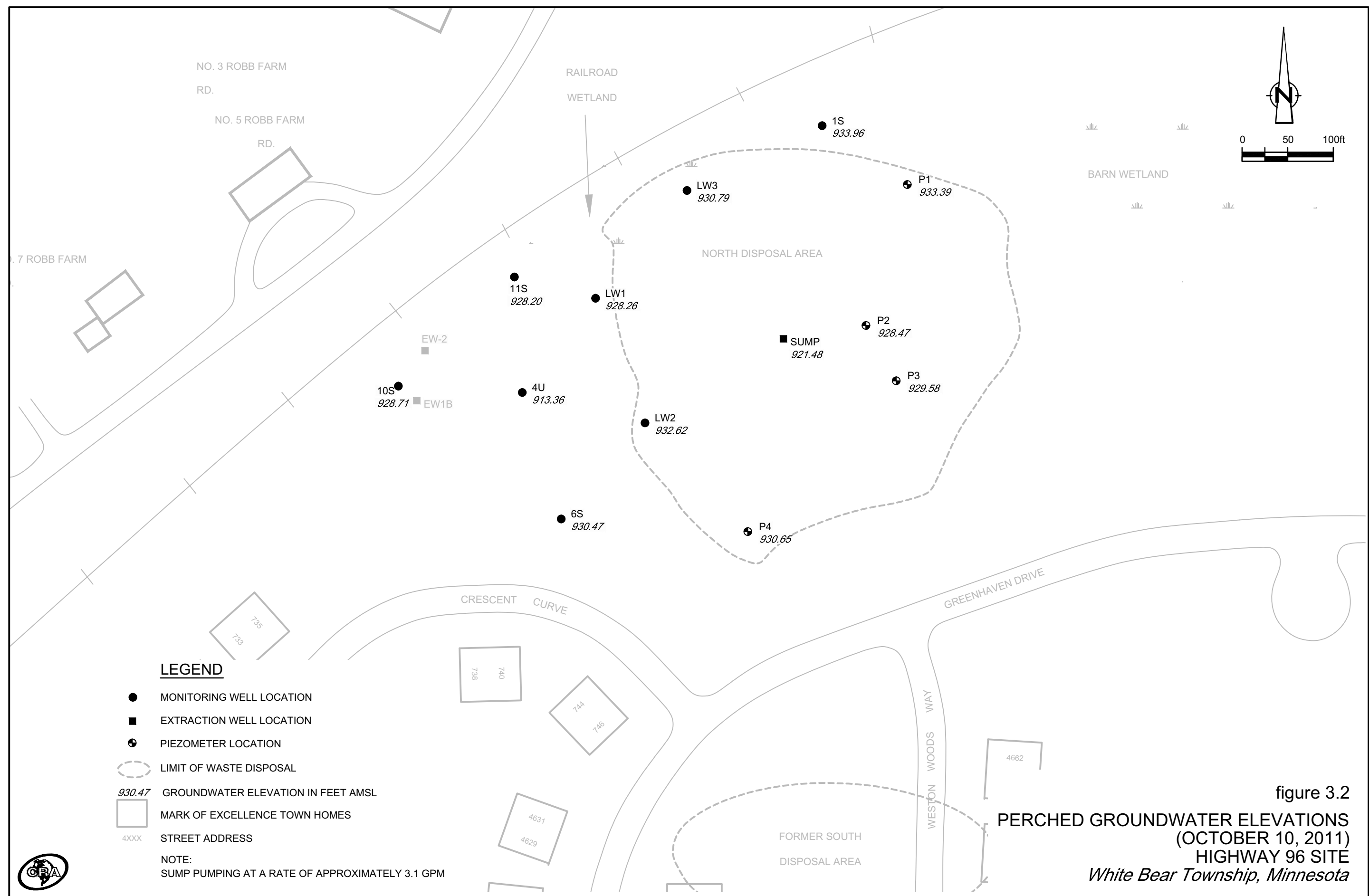
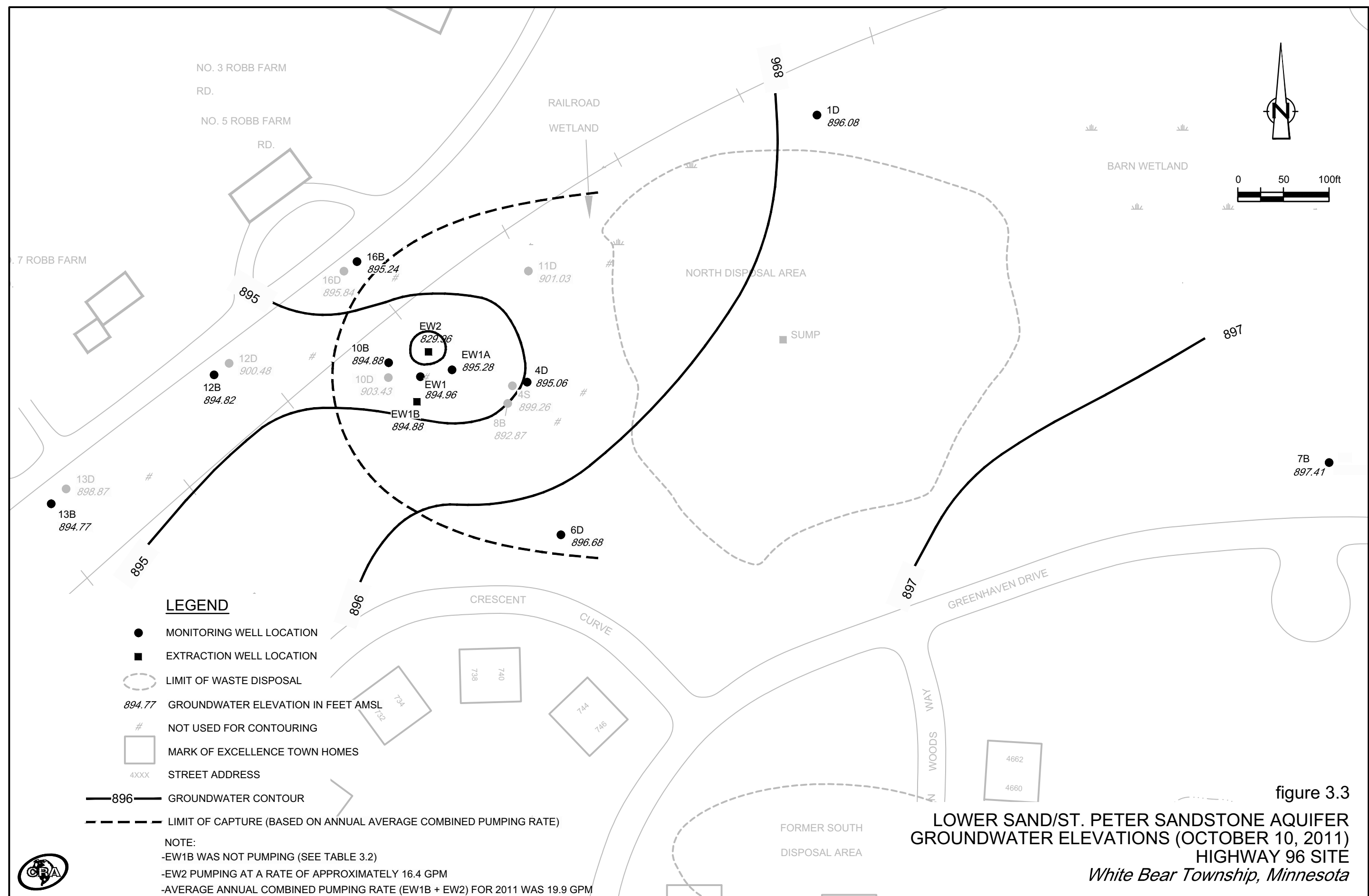
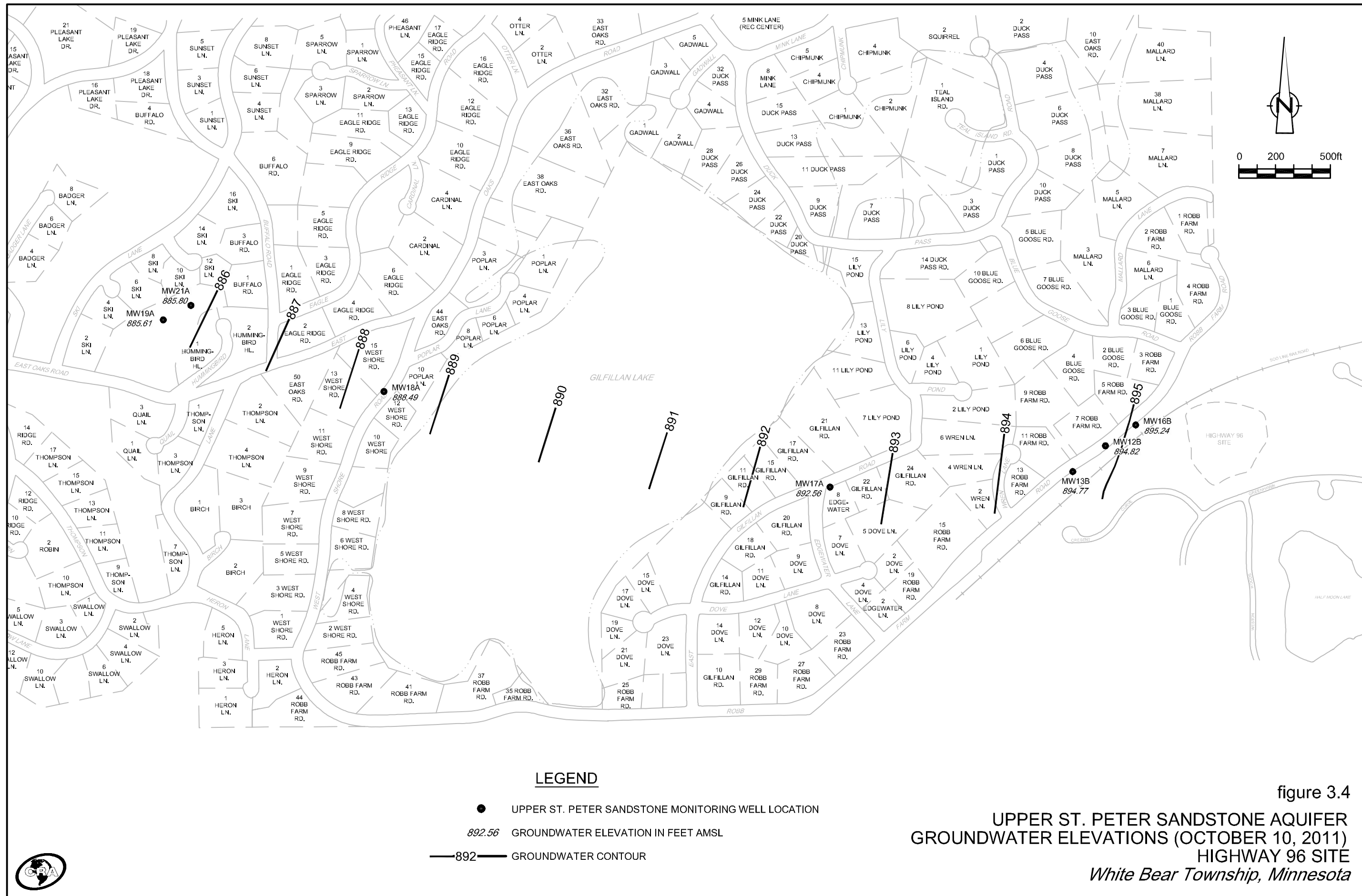


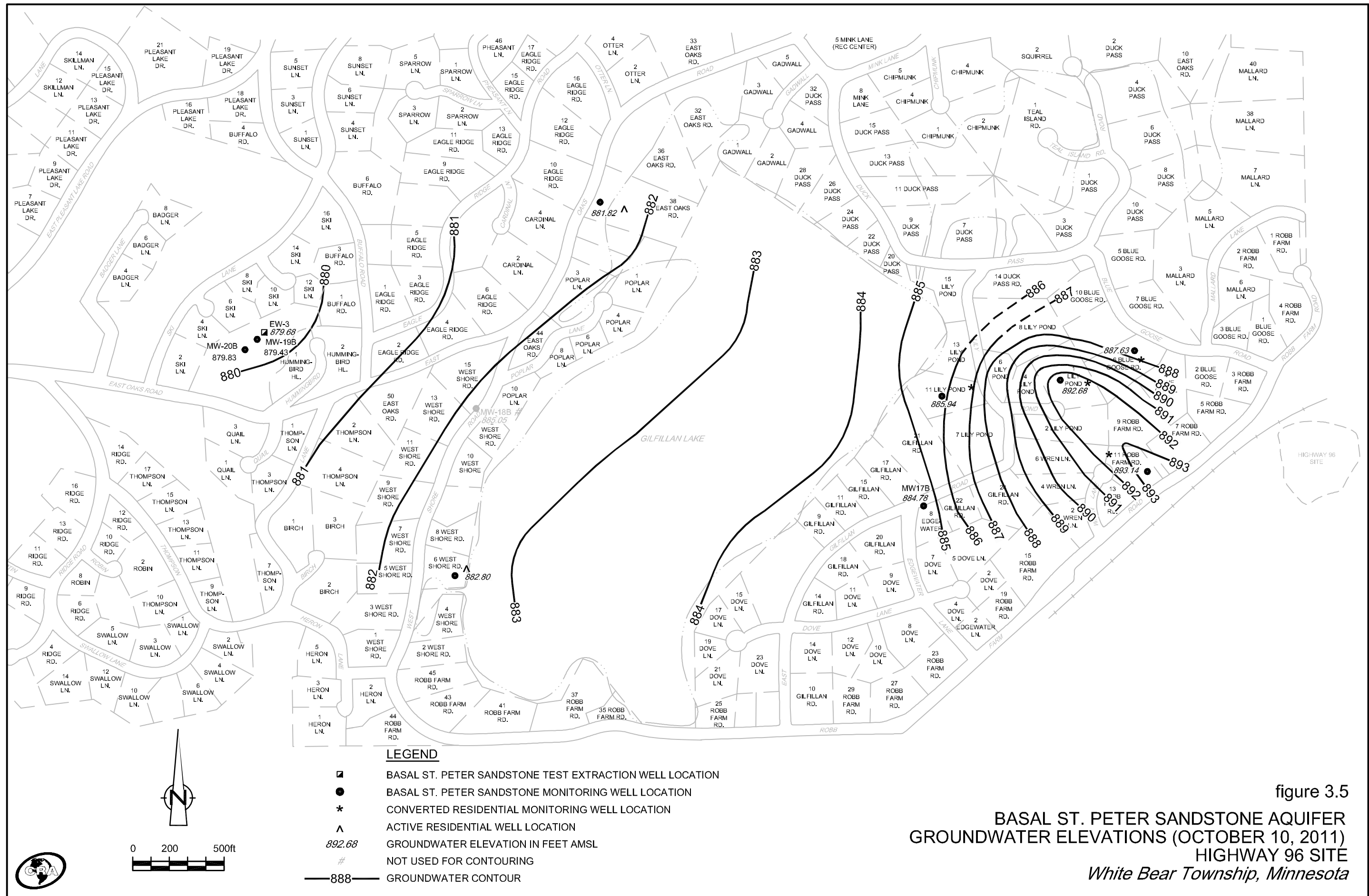
figure 3.1
LOCATION OF CROSS SECTIONS
HIGHWAY 96 SITE
White Bear Township, Minnesota

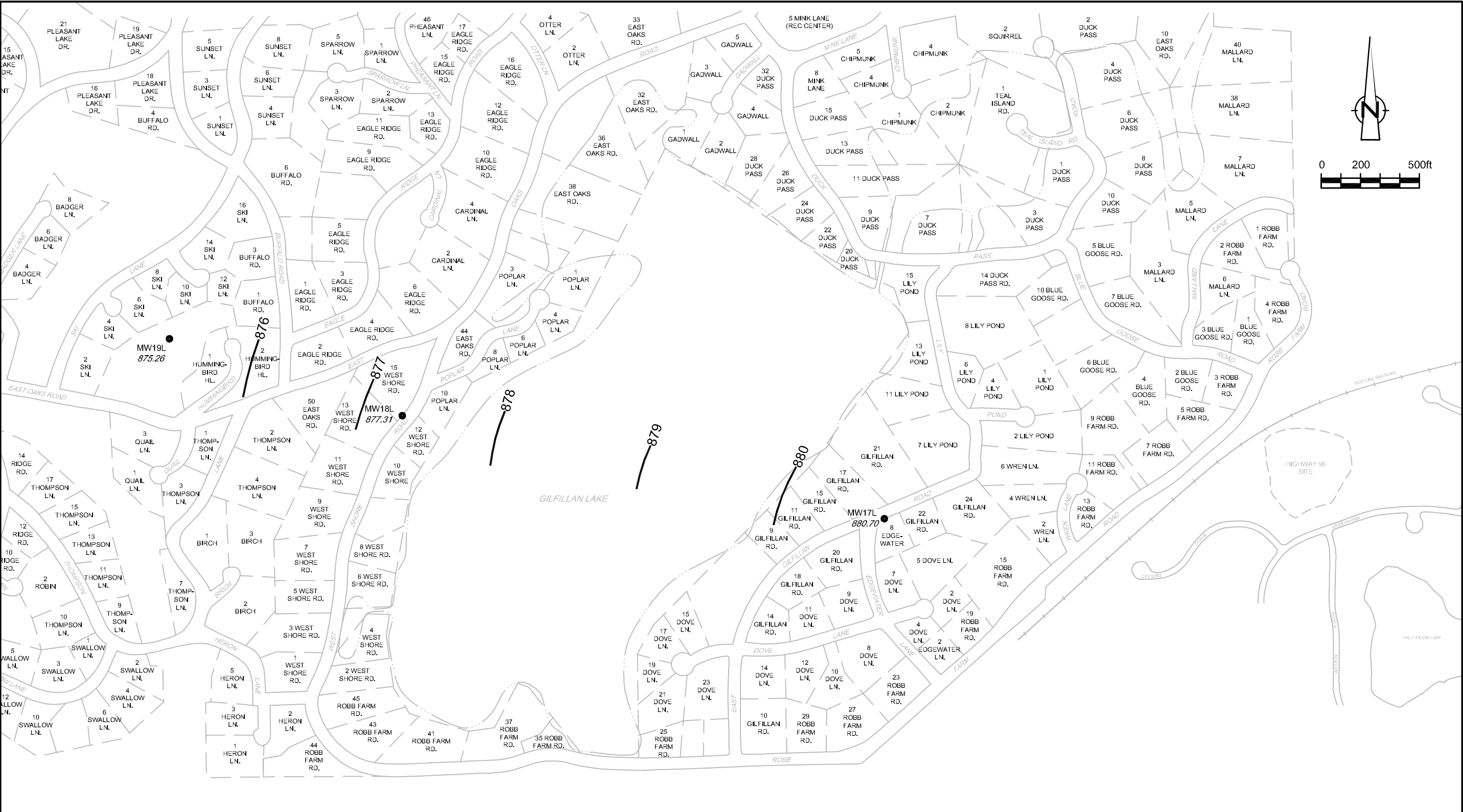












LEGEND

- PRAIRIE DU CHIEN MONITORING WELL LOCATION
- 875.26 GROUNDWATER ELEVATION IN FEET AMSL
- 878— GROUNDWATER CONTOUR

figure 3.6
PRAIRIE DU CHIEN AQUIFER
GROUNDWATER ELEVATIONS (OCTOBER 10, 2011)
HIGHWAY 96 SITE
White Bear Township, Minnesota



FIGURE 3.7

POUNDS OF TOTAL VOCs (TVOCs) REMOVED
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA

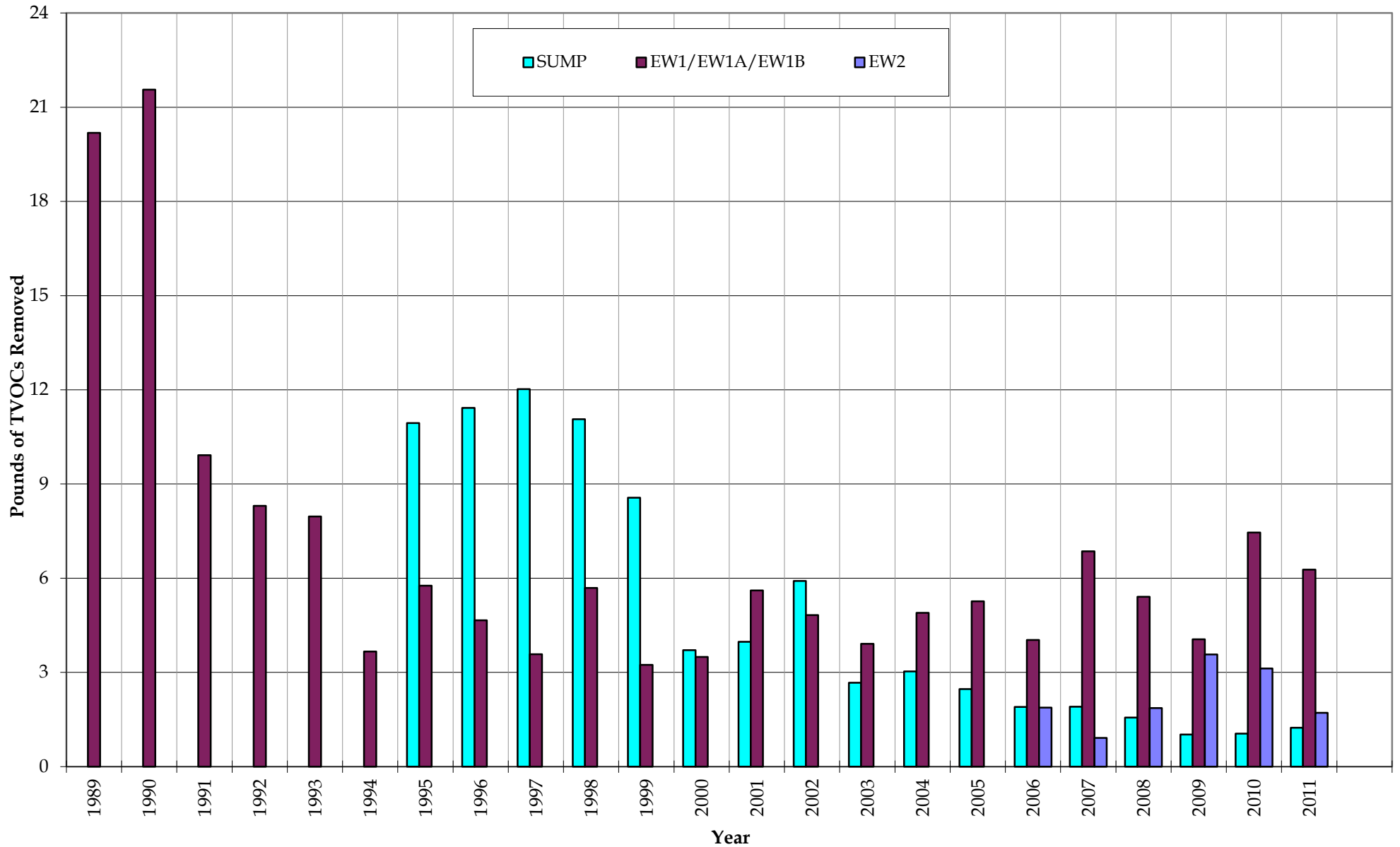


FIGURE 3.8

VOC REMOVAL EFFICIENCY
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA

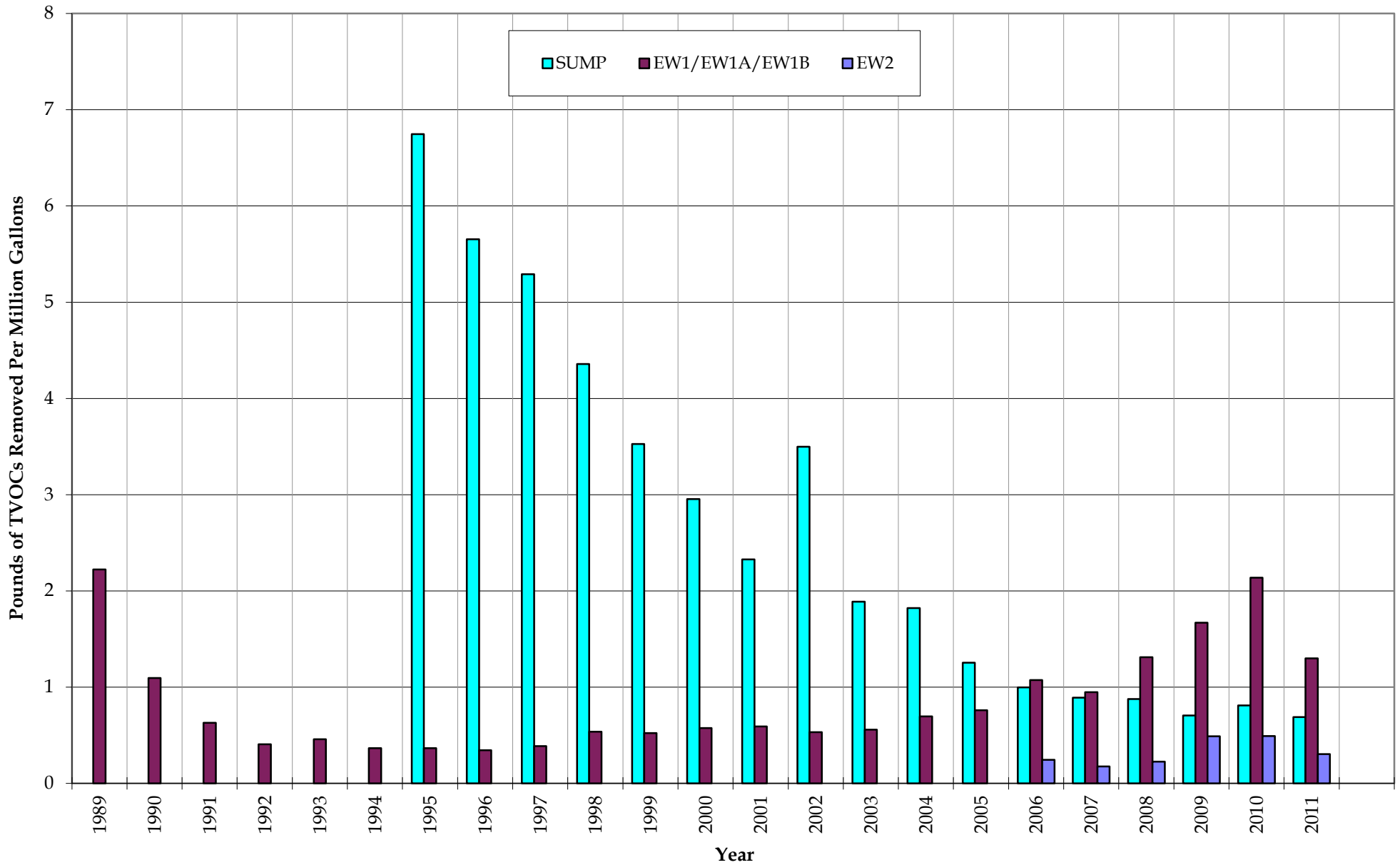


FIGURE 3.9

CUMULATIVE VOC MASS REMOVAL
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA

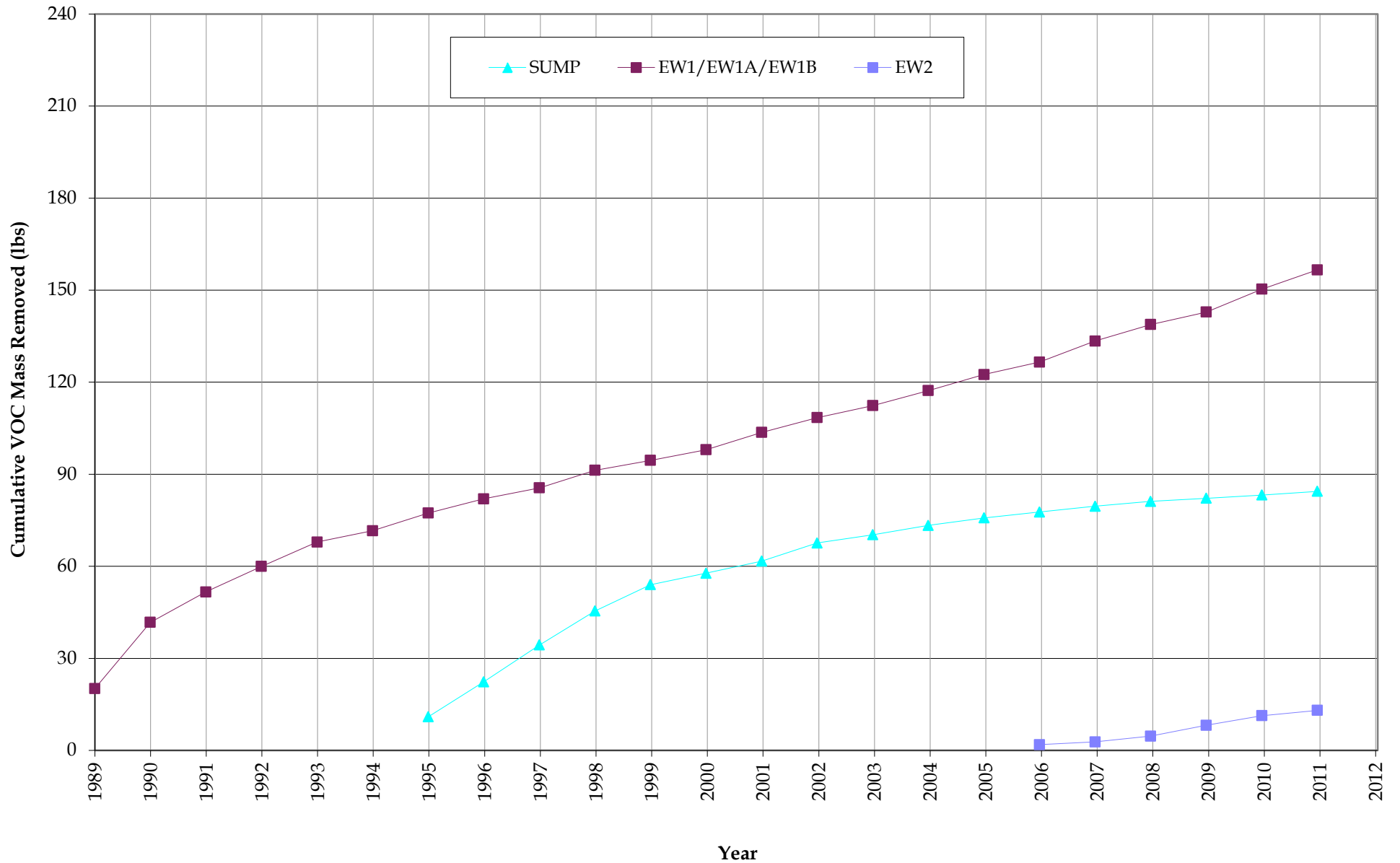
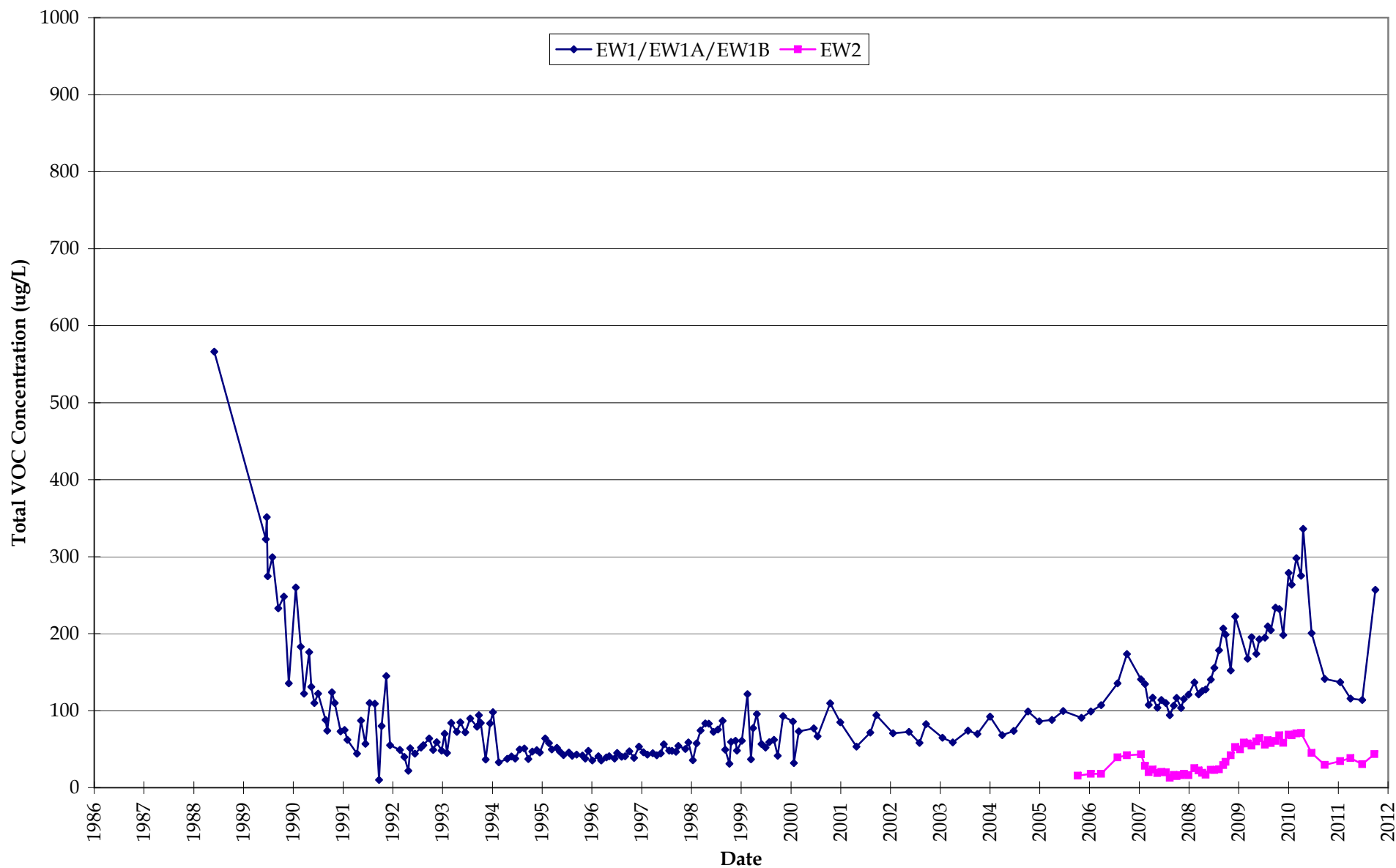


FIGURE 3.10

TOTAL VOC CONCENTRATIONS
EW1/EW1A/EW1B AND EW2
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA



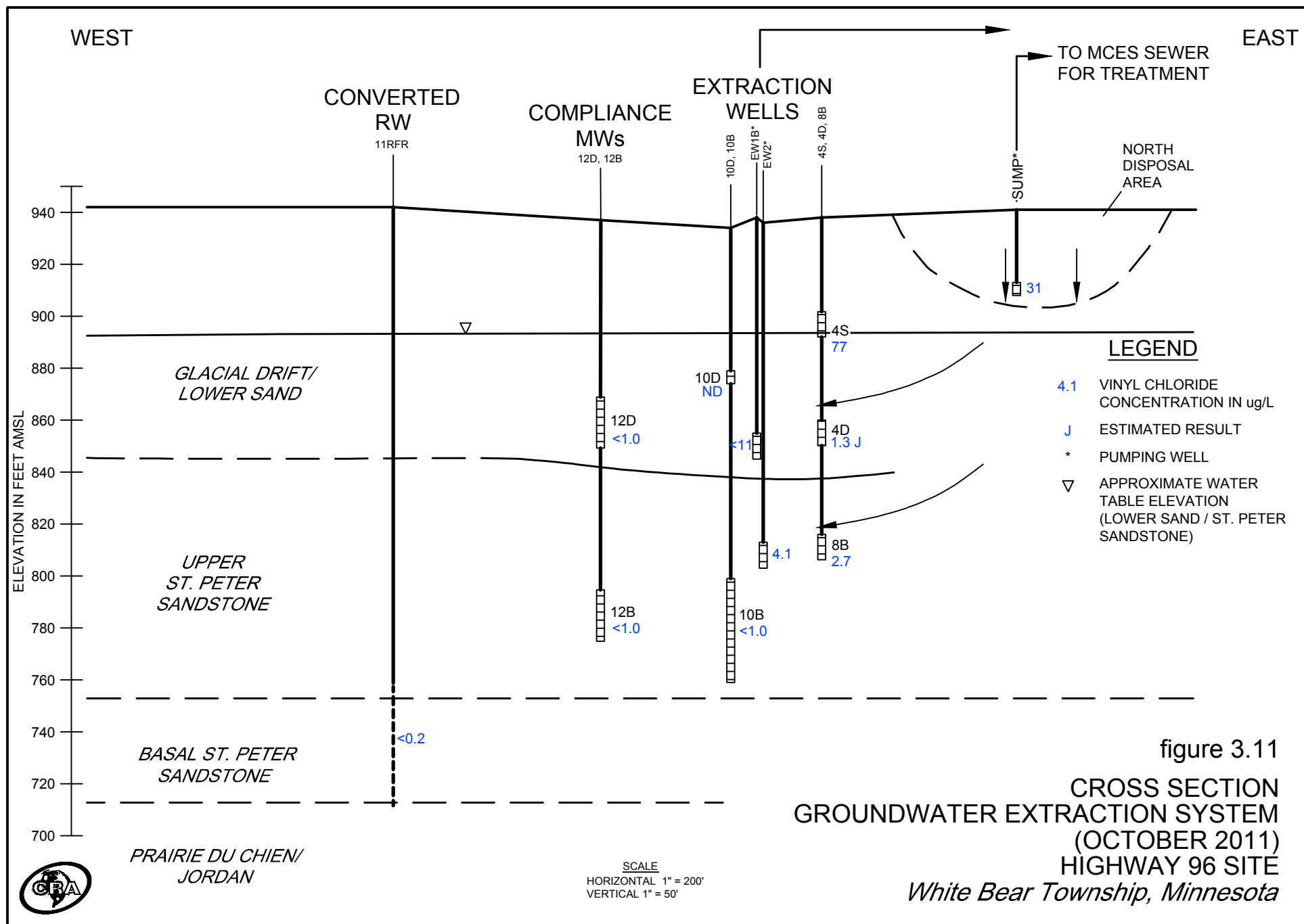


FIGURE 4.1
TOTAL VOC CONCENTRATIONS
LW3
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA

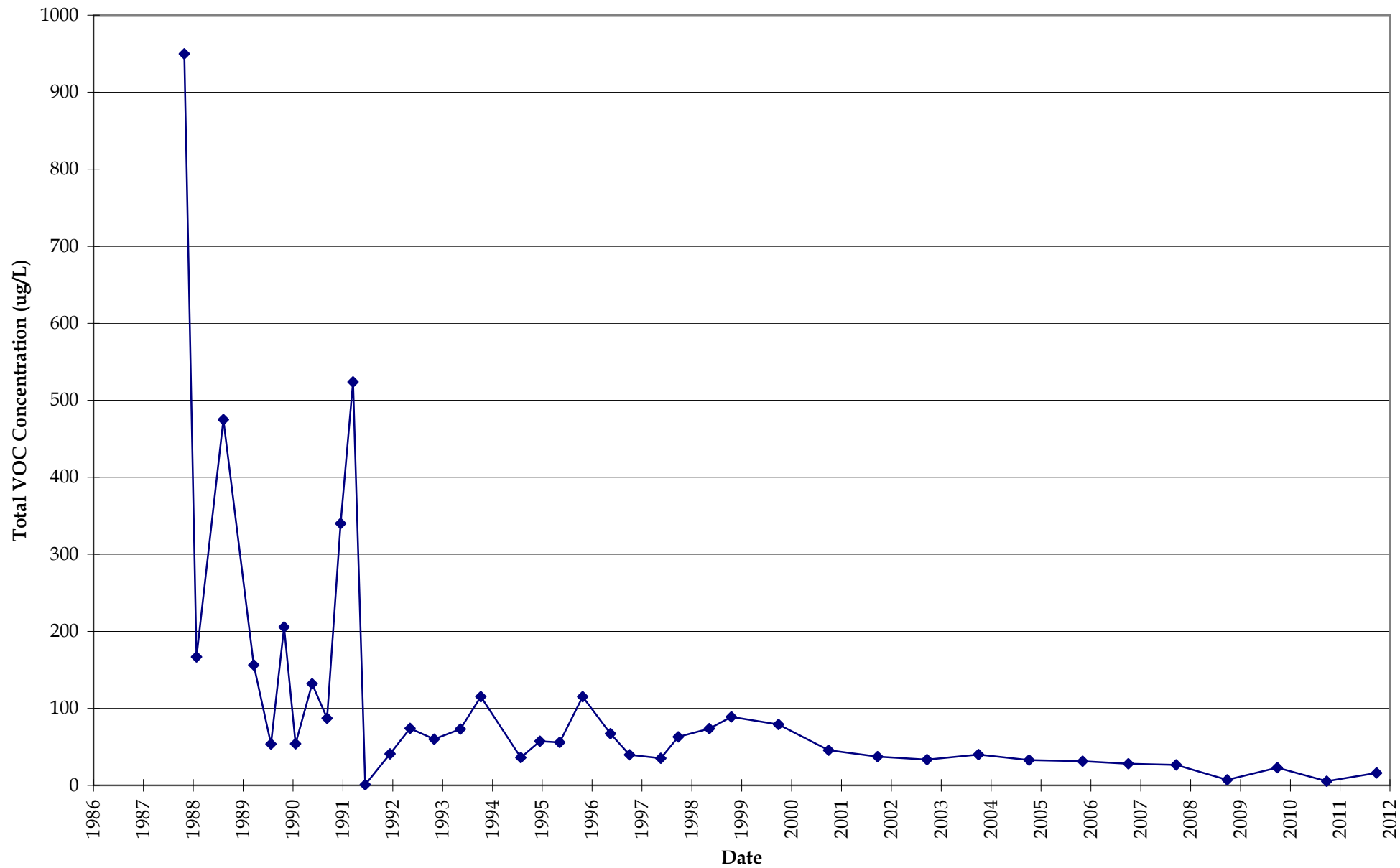


FIGURE 4.2
TOTAL VOC CONCENTRATIONS
MW4D
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA

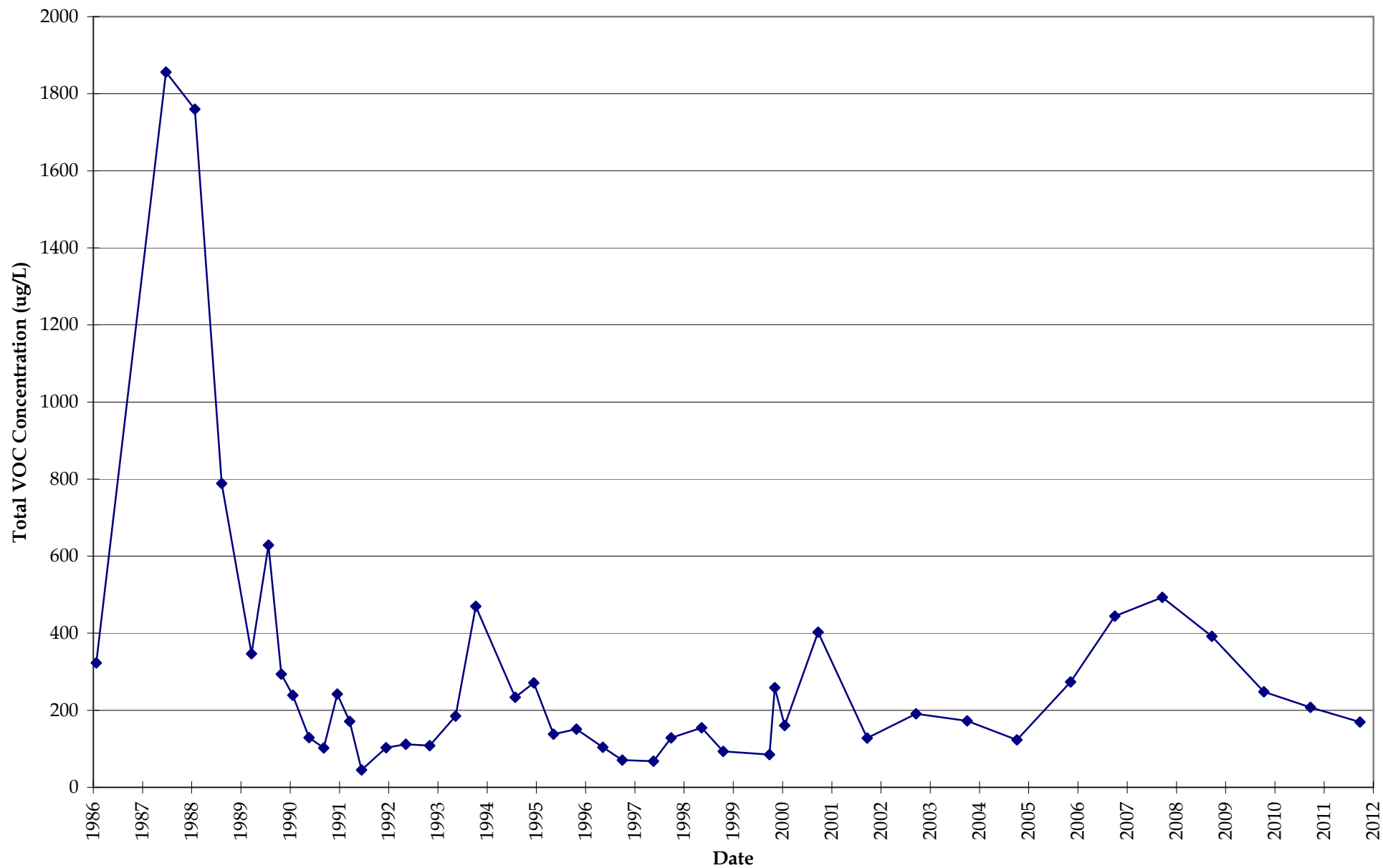


FIGURE 4.3

TOTAL VOC CONCENTRATIONS
MW12D
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA

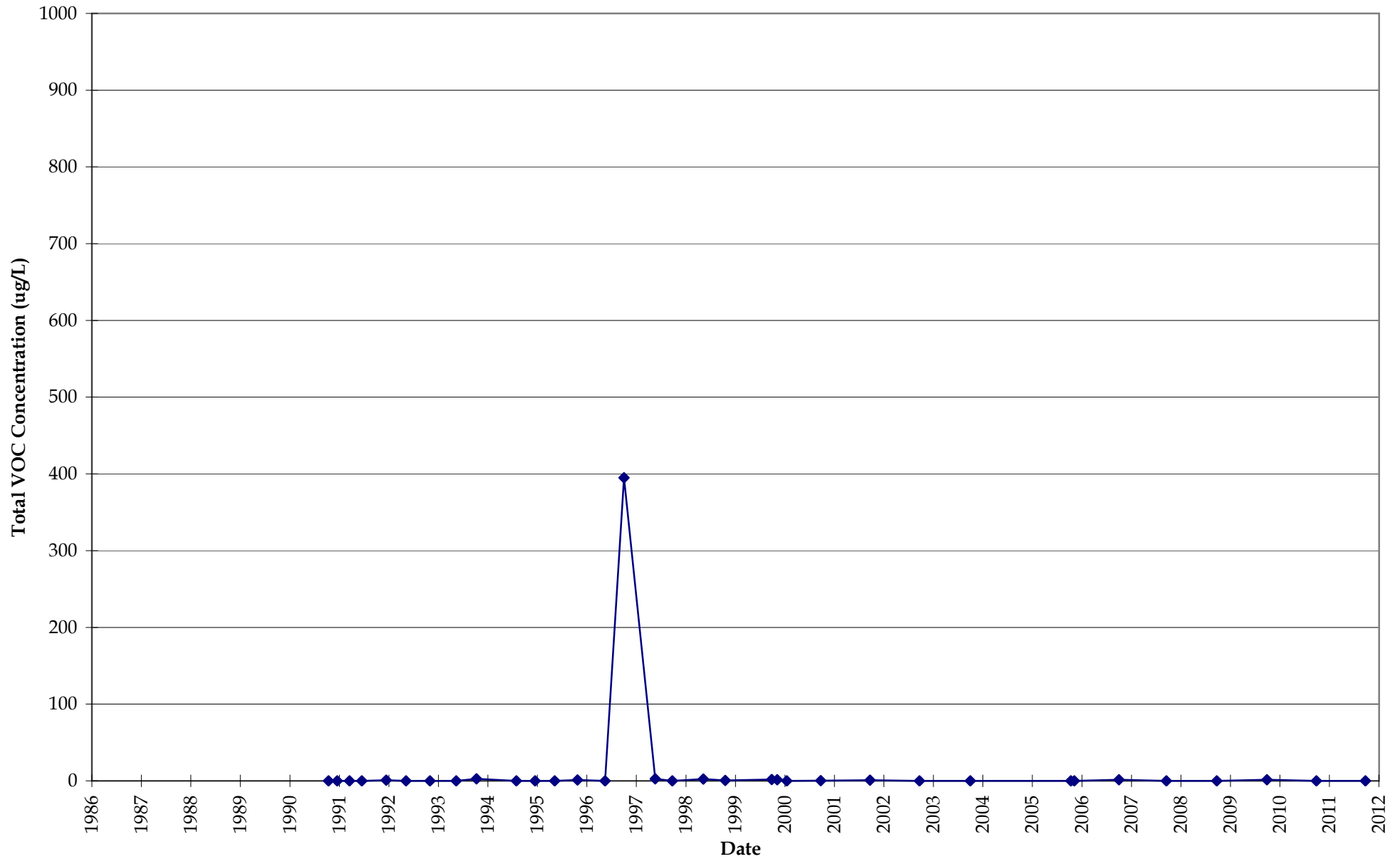


FIGURE 4.4
TOTAL VOC CONCENTRATIONS
MW8B
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA

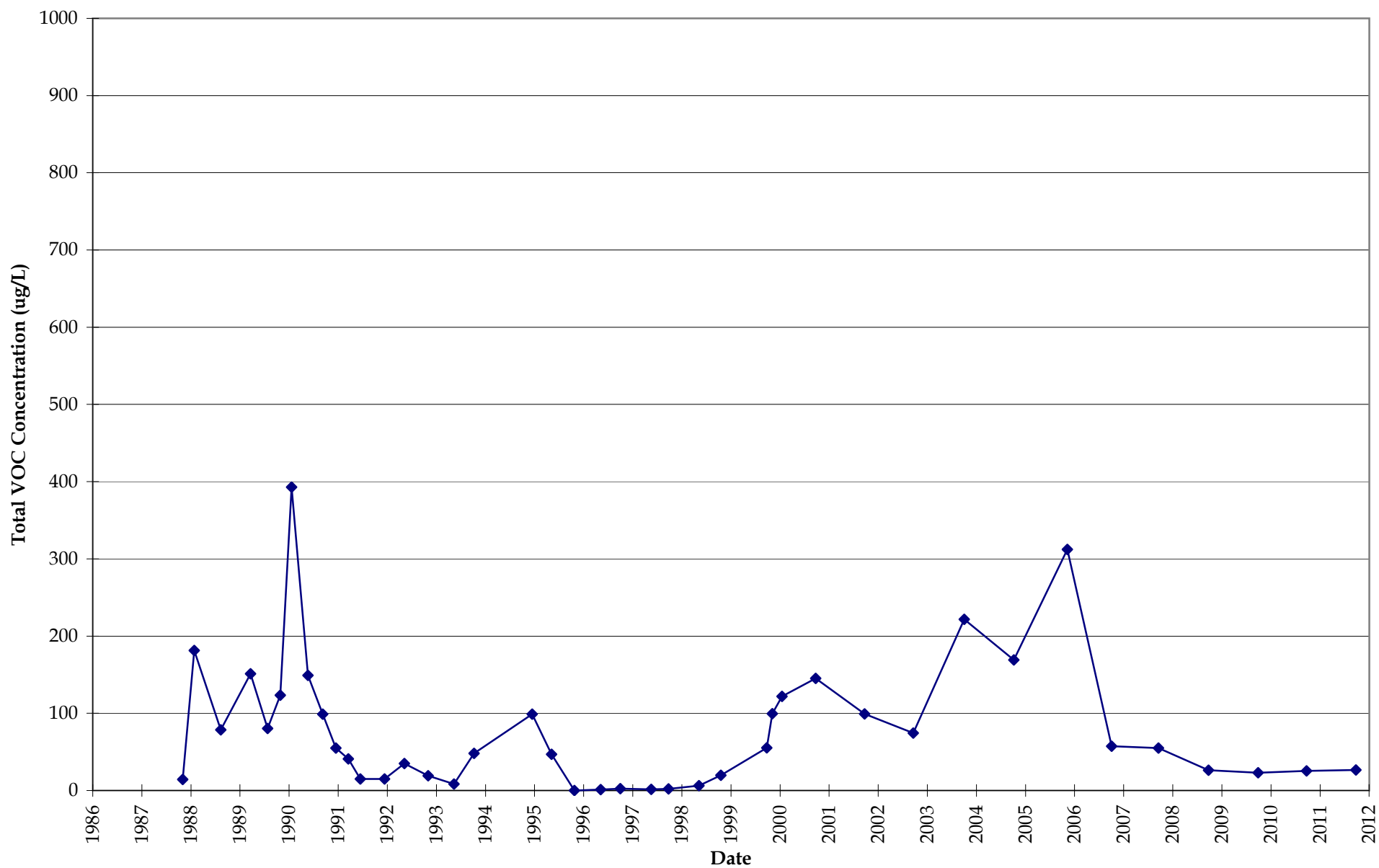


FIGURE 4.5

TOTAL VOC CONCENTRATIONS
MW12B
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA

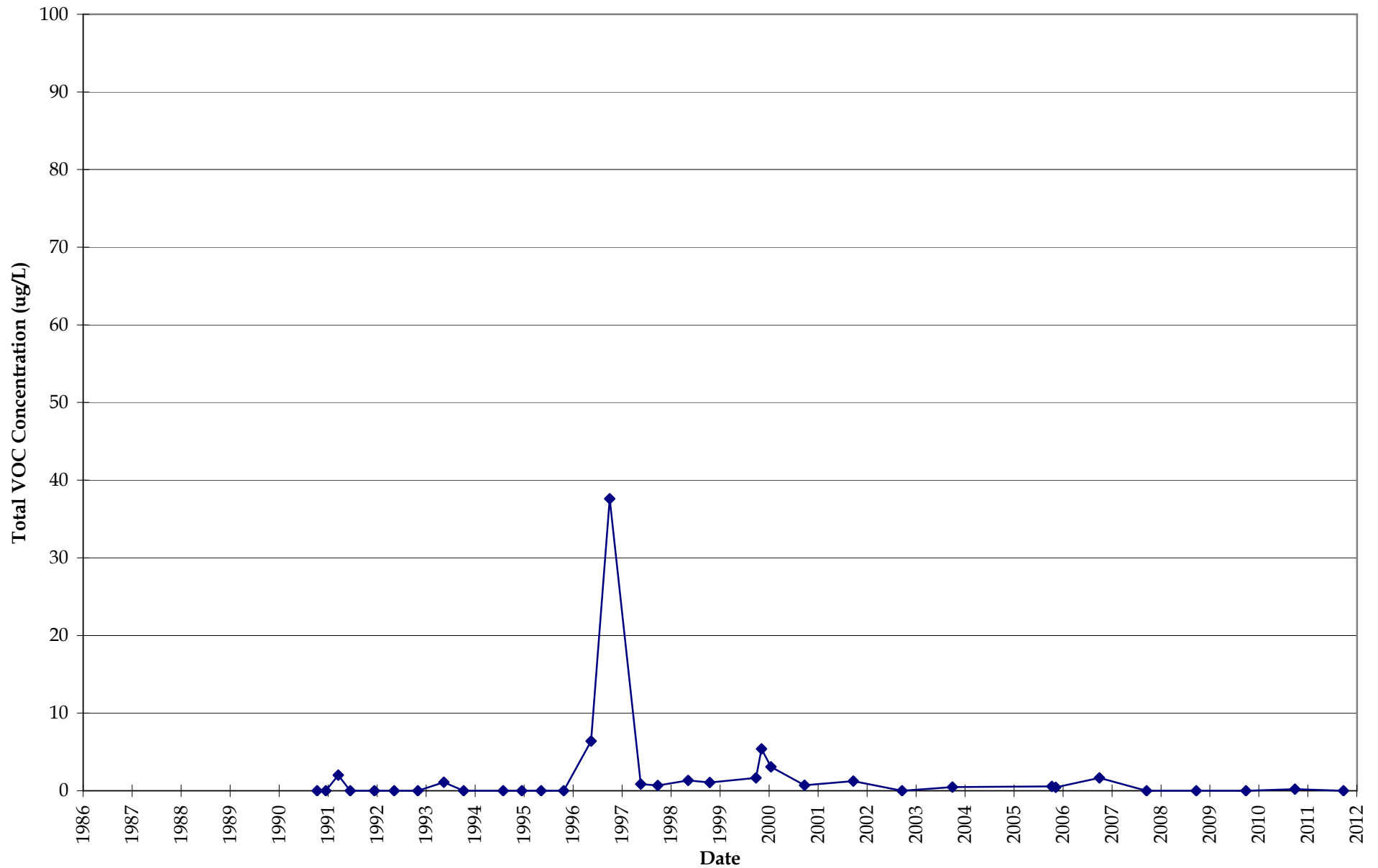


FIGURE 4.6

TOTAL VOC CONCENTRATIONS
11 ROBB FARM ROAD
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA

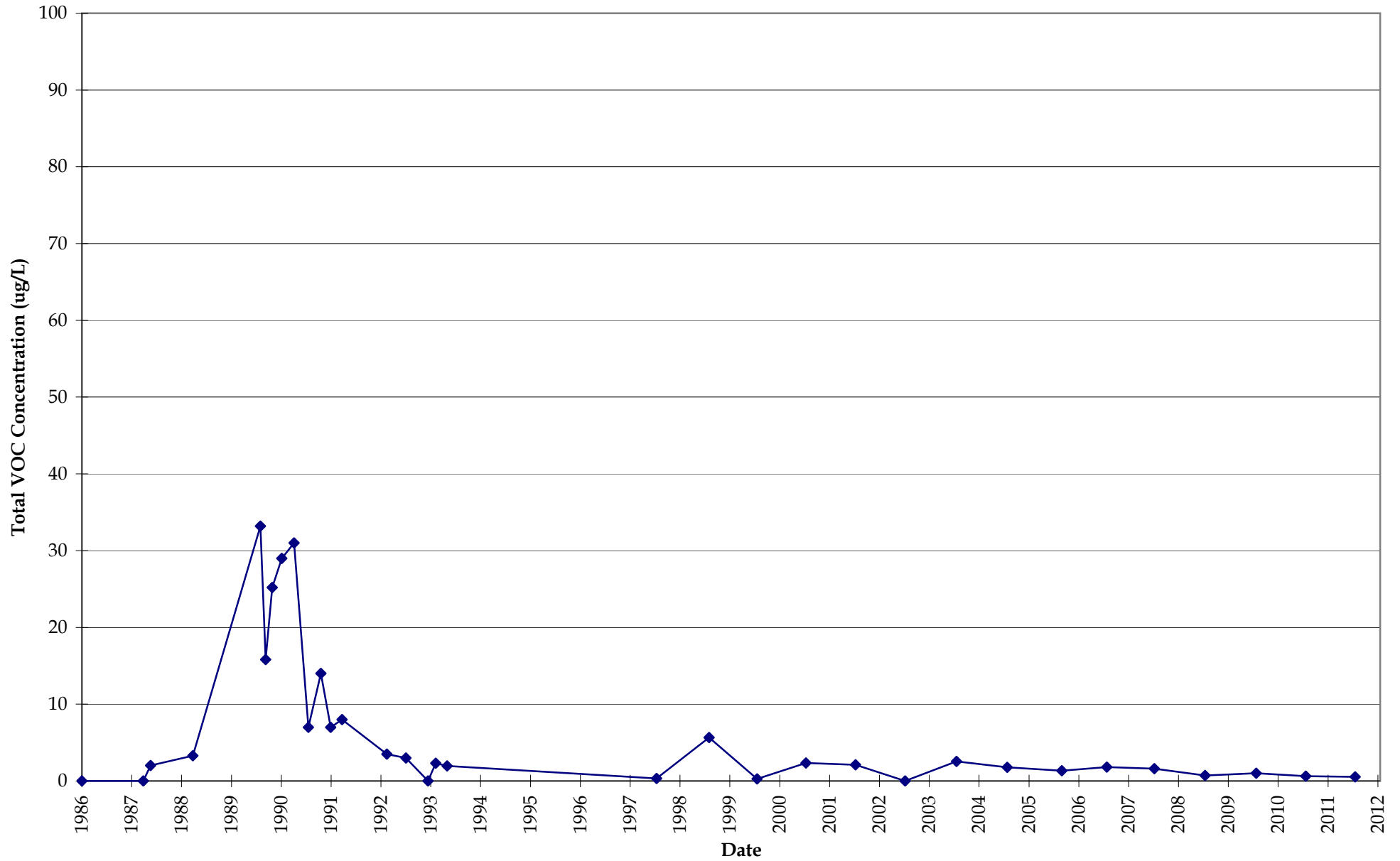


FIGURE 4.7
TOTAL VOC CONCENTRATIONS
1 LILY POND ROAD
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA

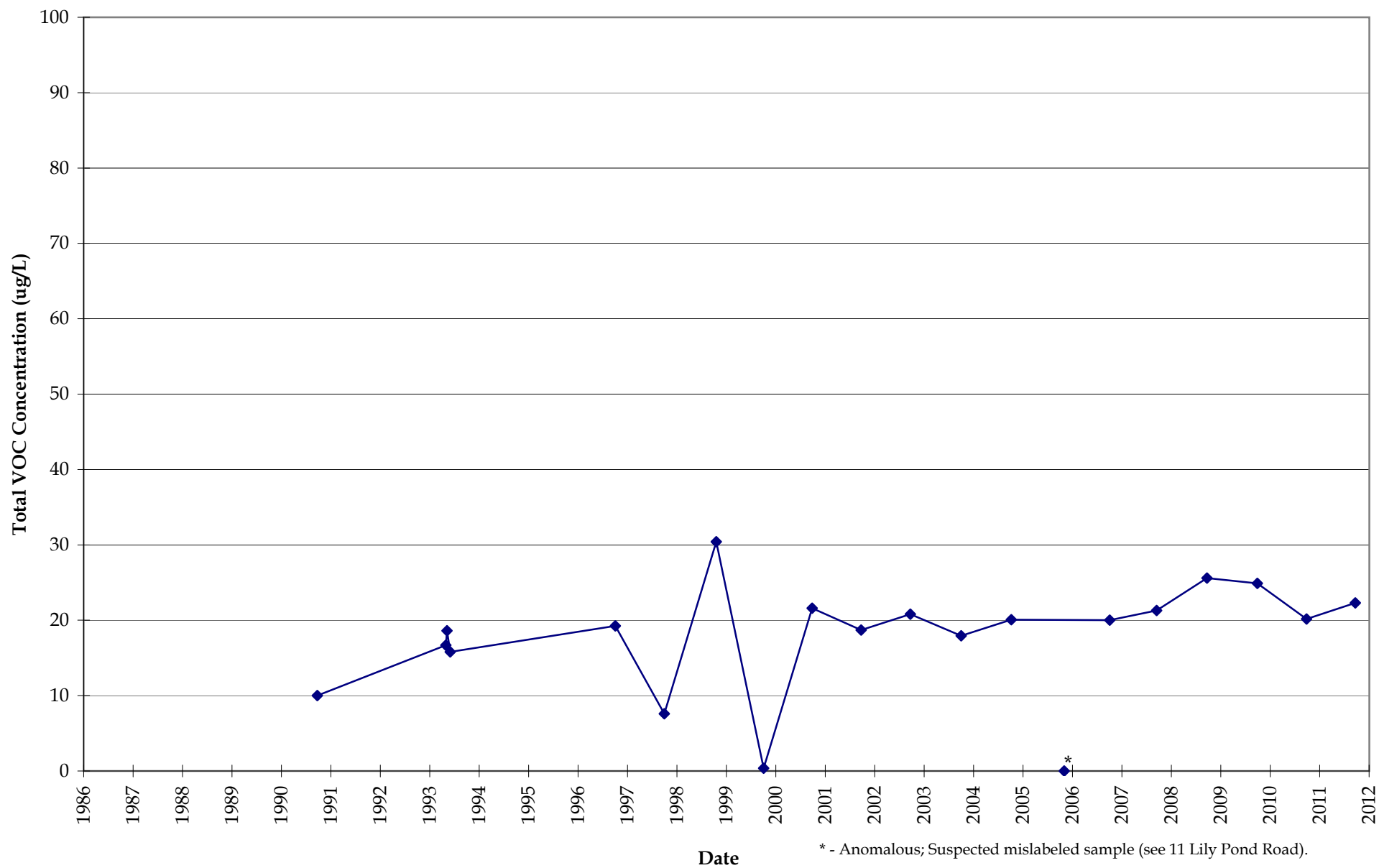


FIGURE 4.8

TOTAL VOC CONCENTRATIONS
11 LILY POND ROAD
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA

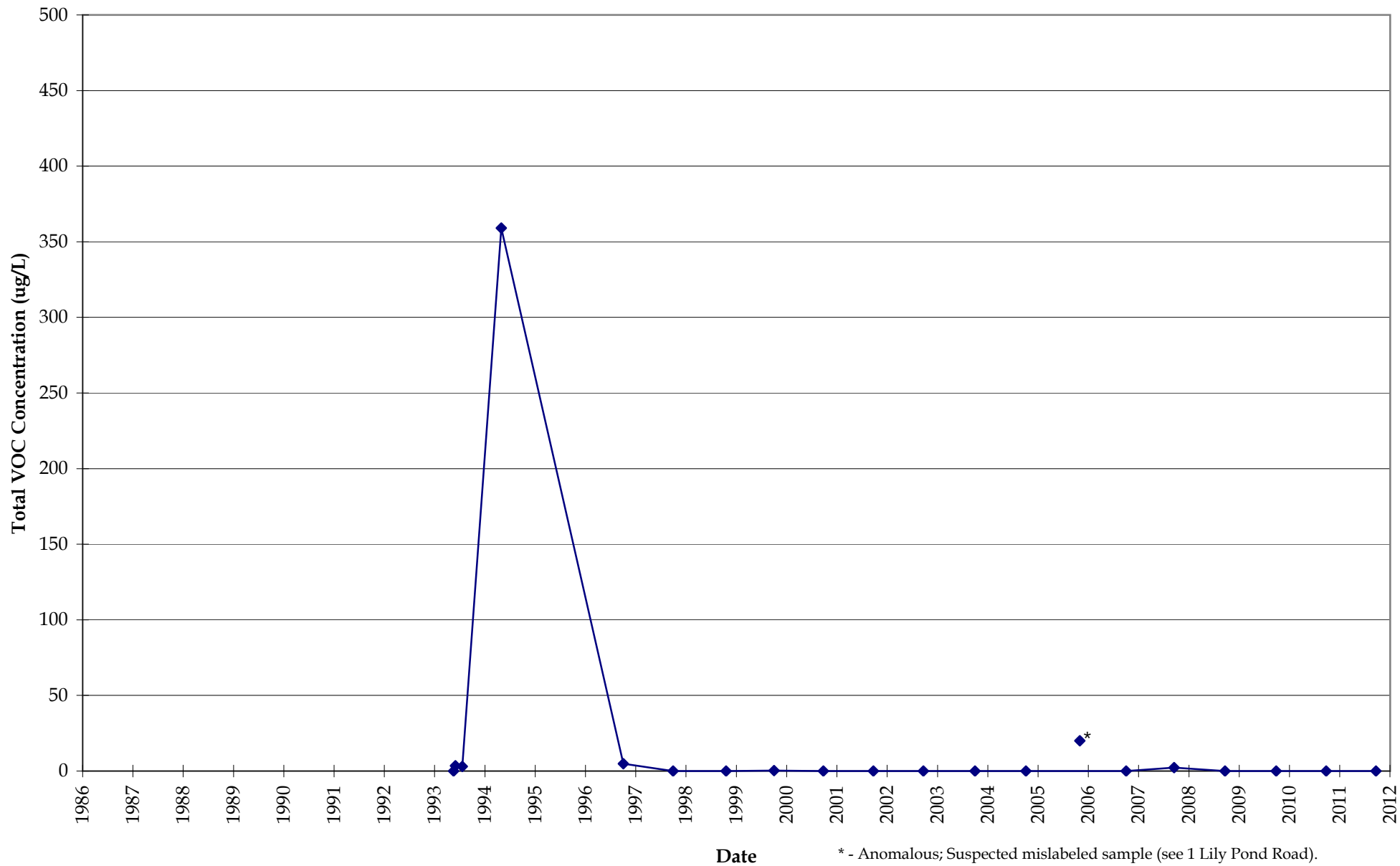


FIGURE 4.9

TOTAL VOC CONCENTRATIONS
6 BLUE GOOSE ROAD
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA

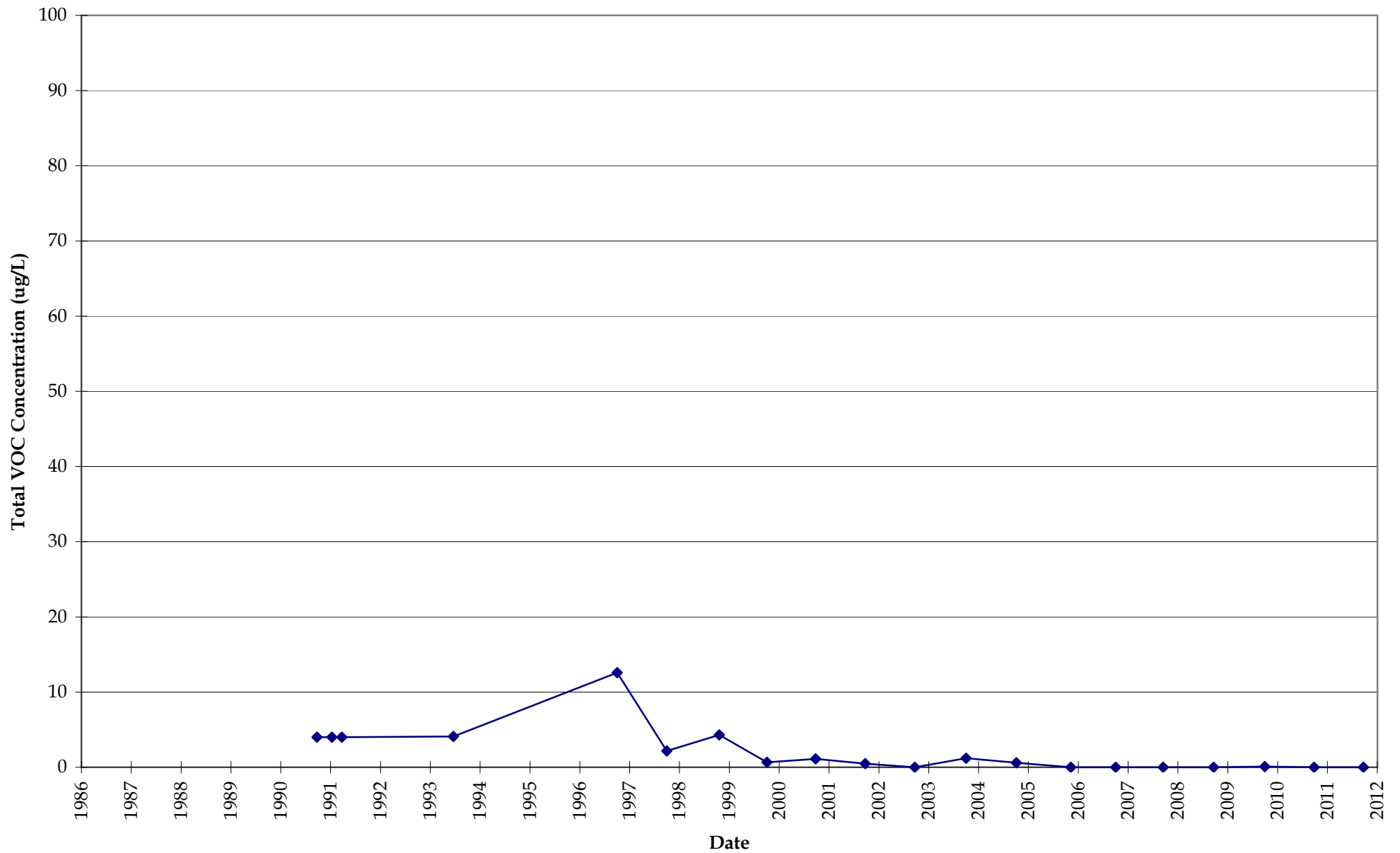
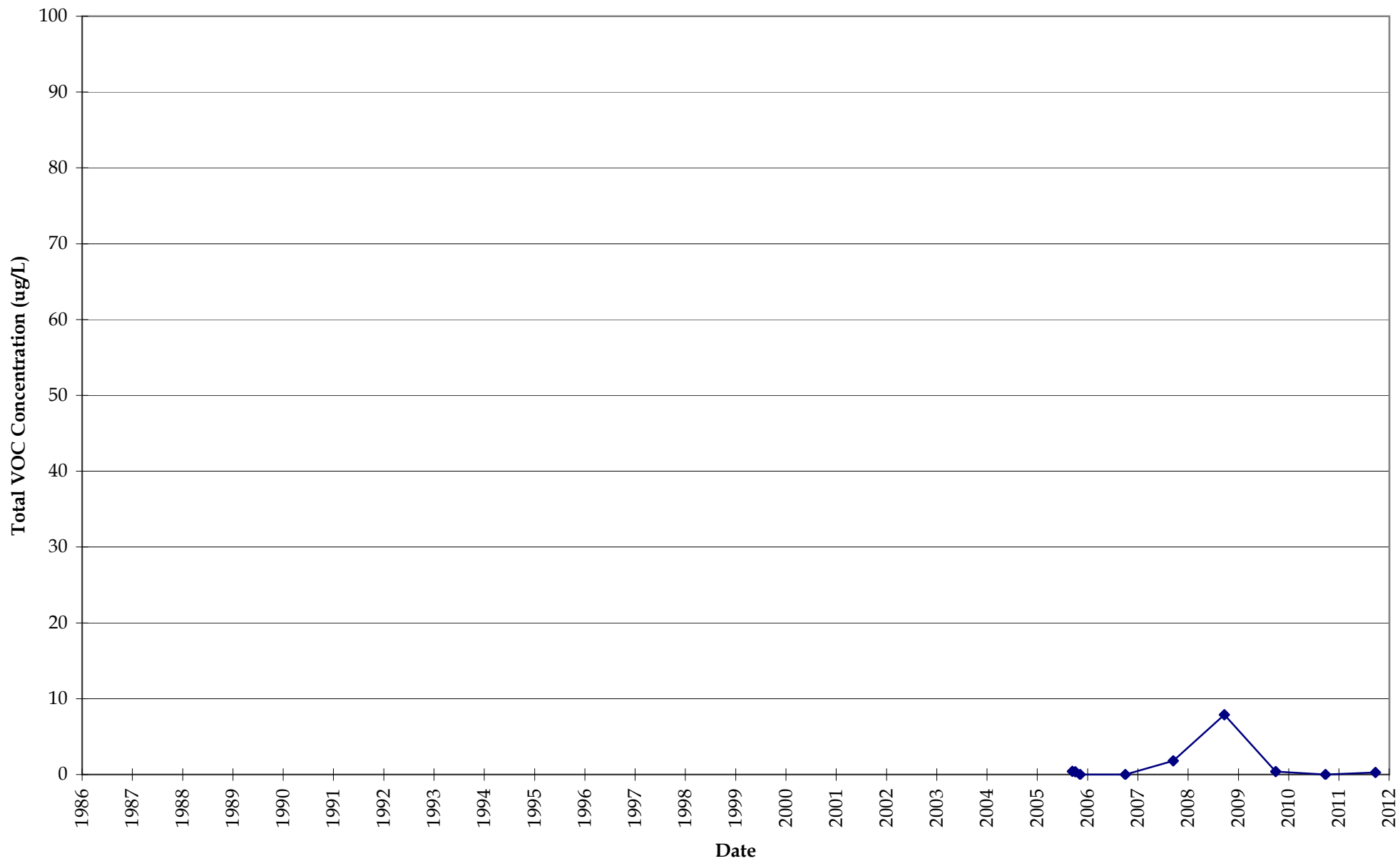
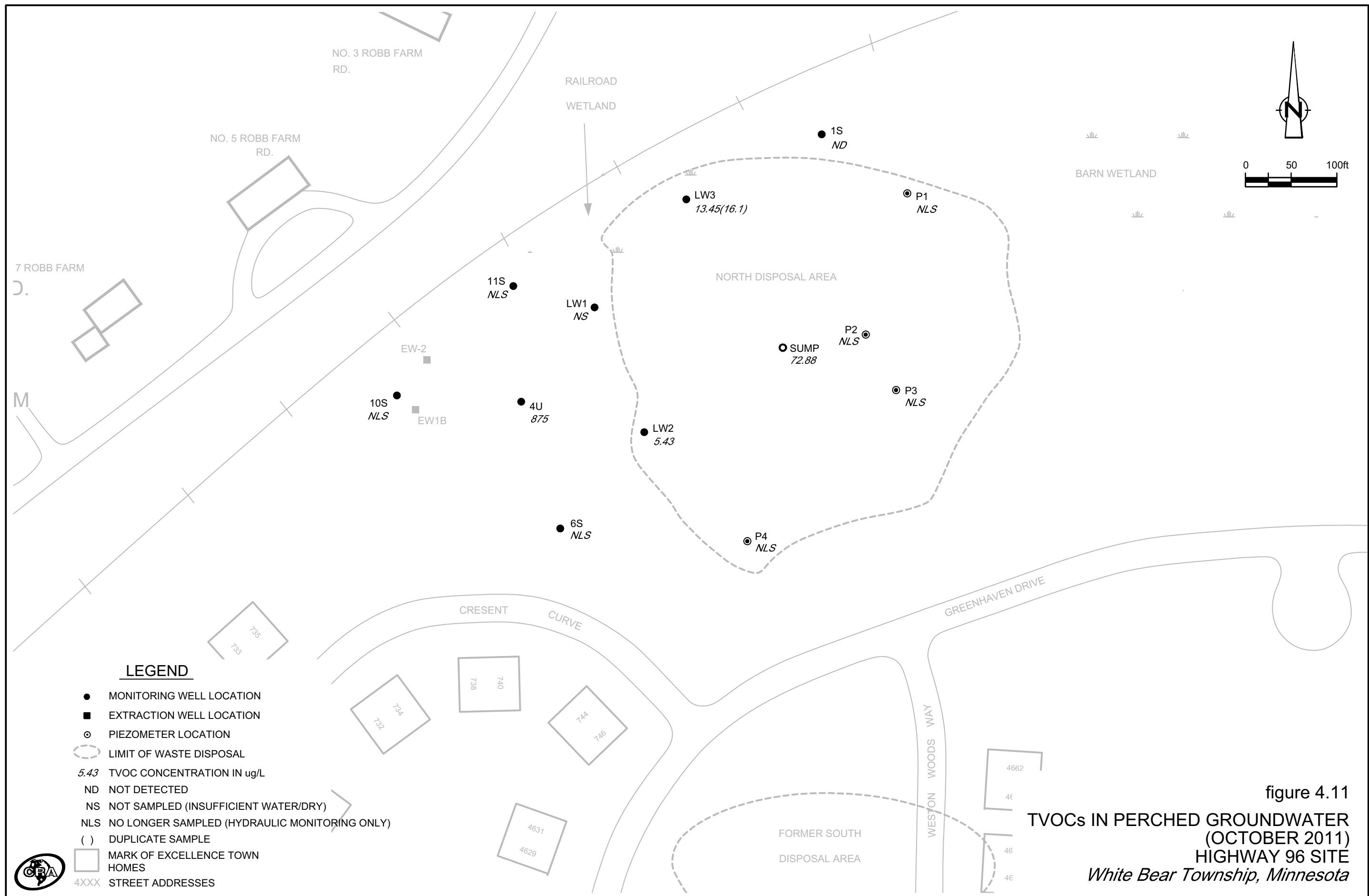


FIGURE 4.10
TOTAL VOC CONCENTRATIONS
MW17L
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA





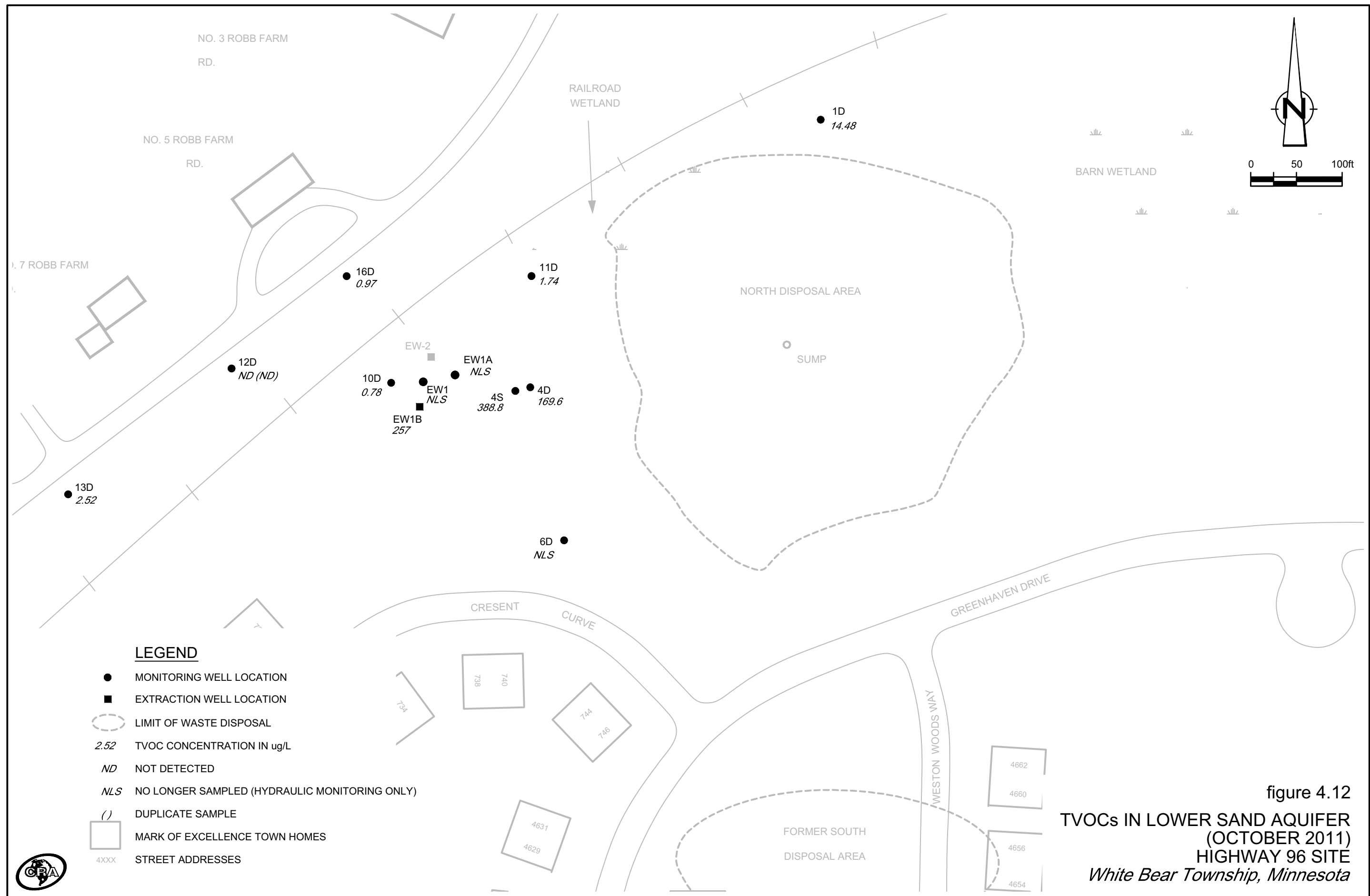


figure 4.12
 TVOCs IN LOWER SAND AQUIFER
 (OCTOBER 2011)
 HIGHWAY 96 SITE
 White Bear Township, Minnesota

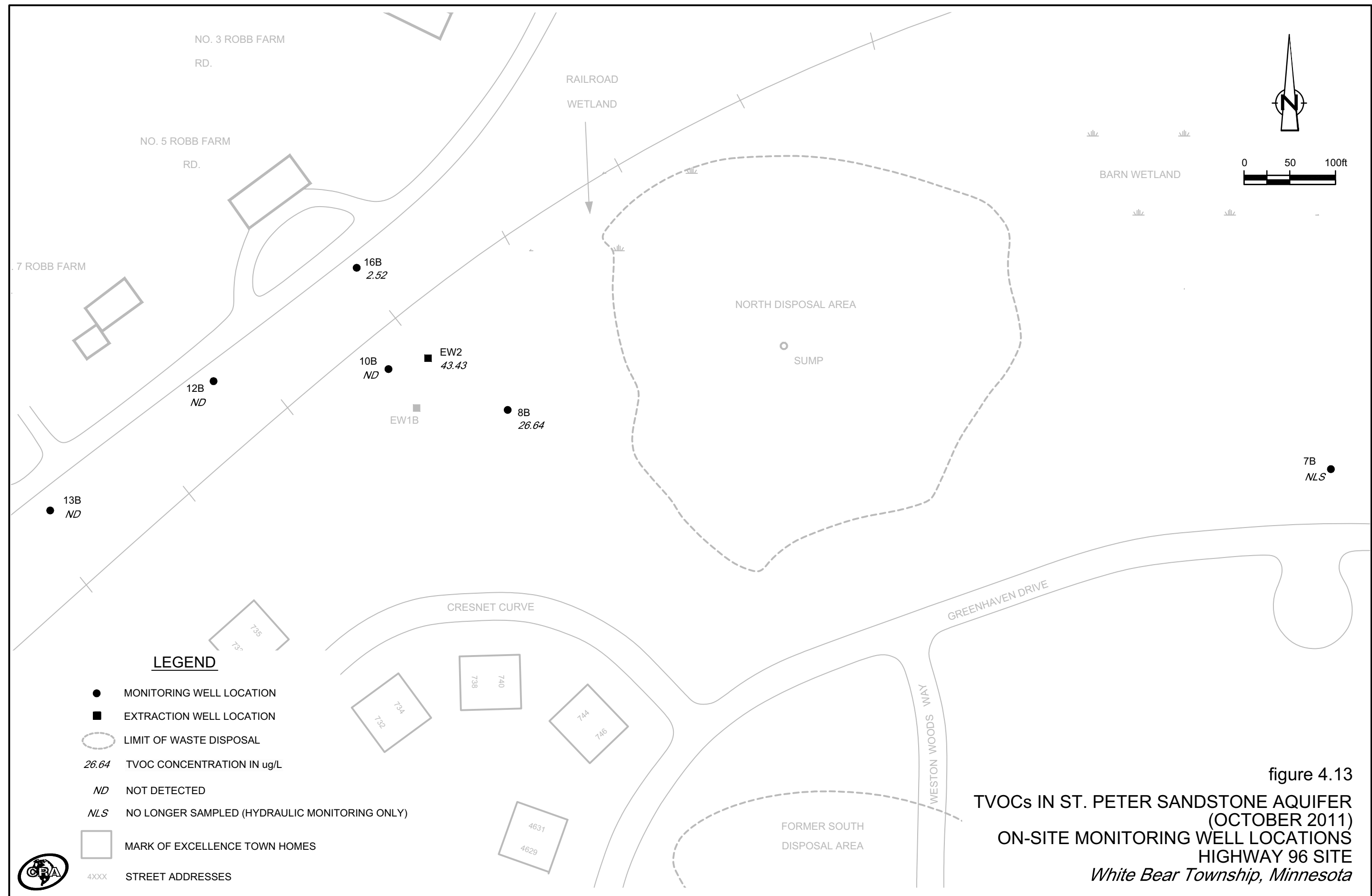
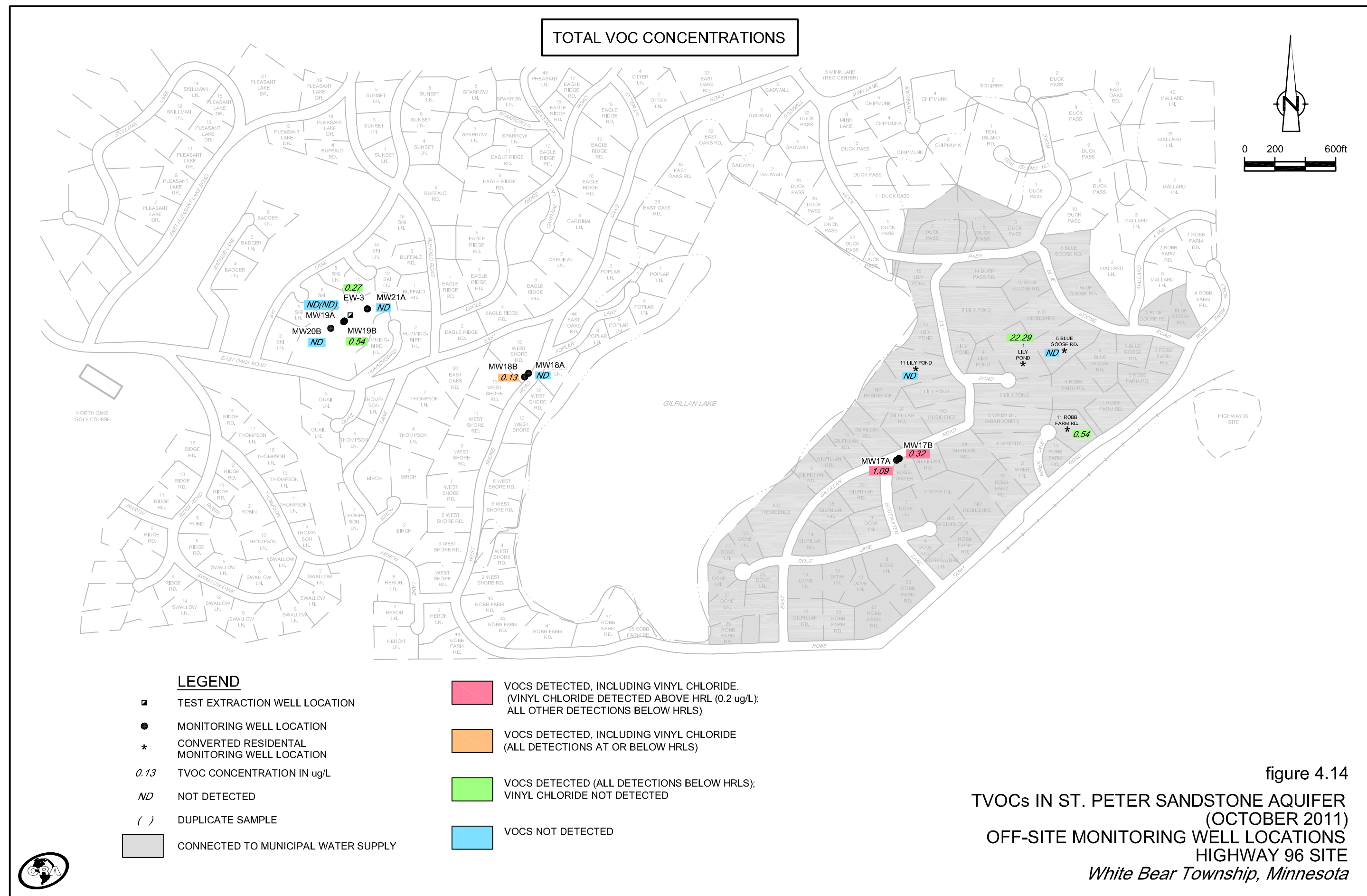
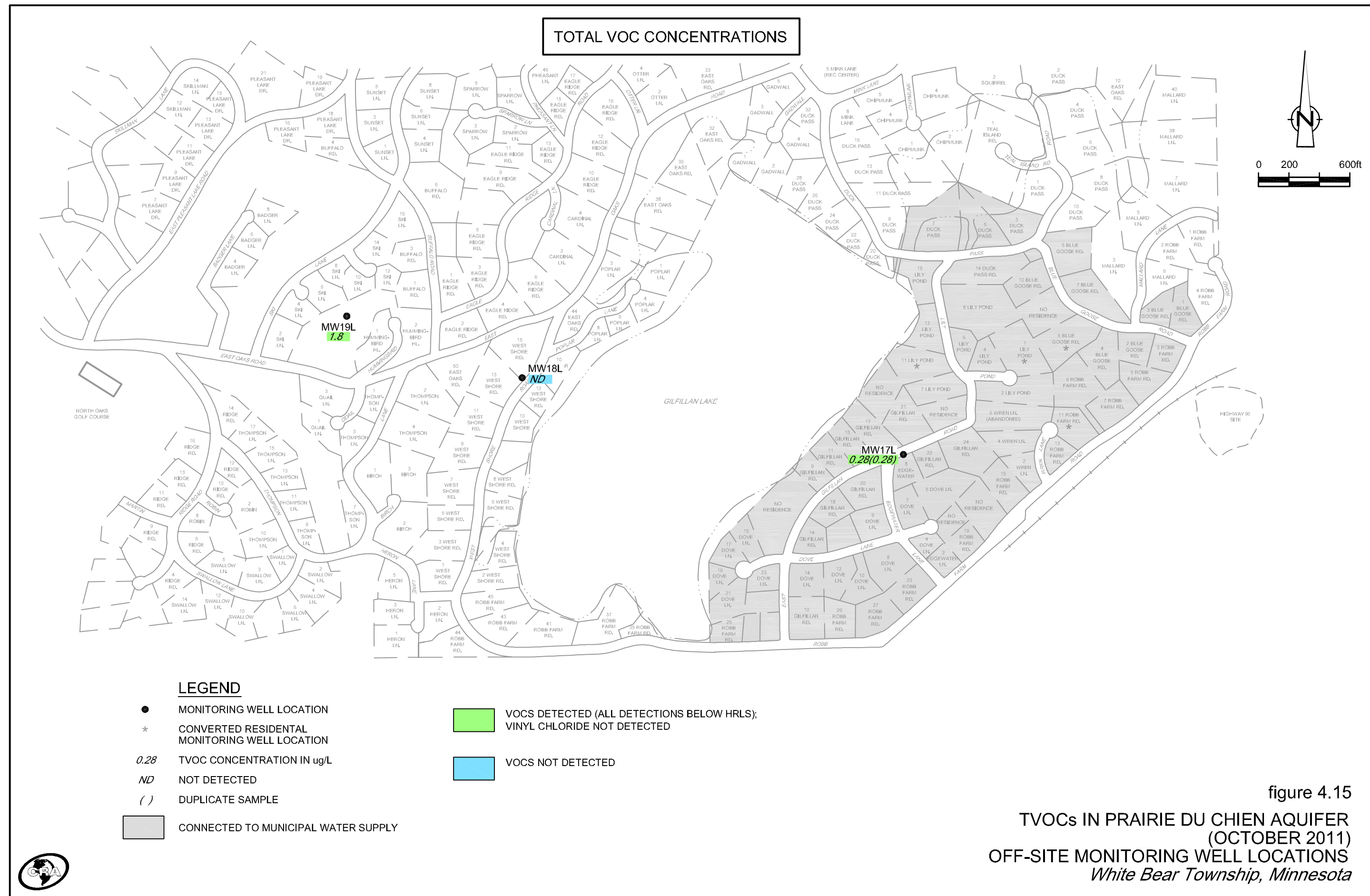
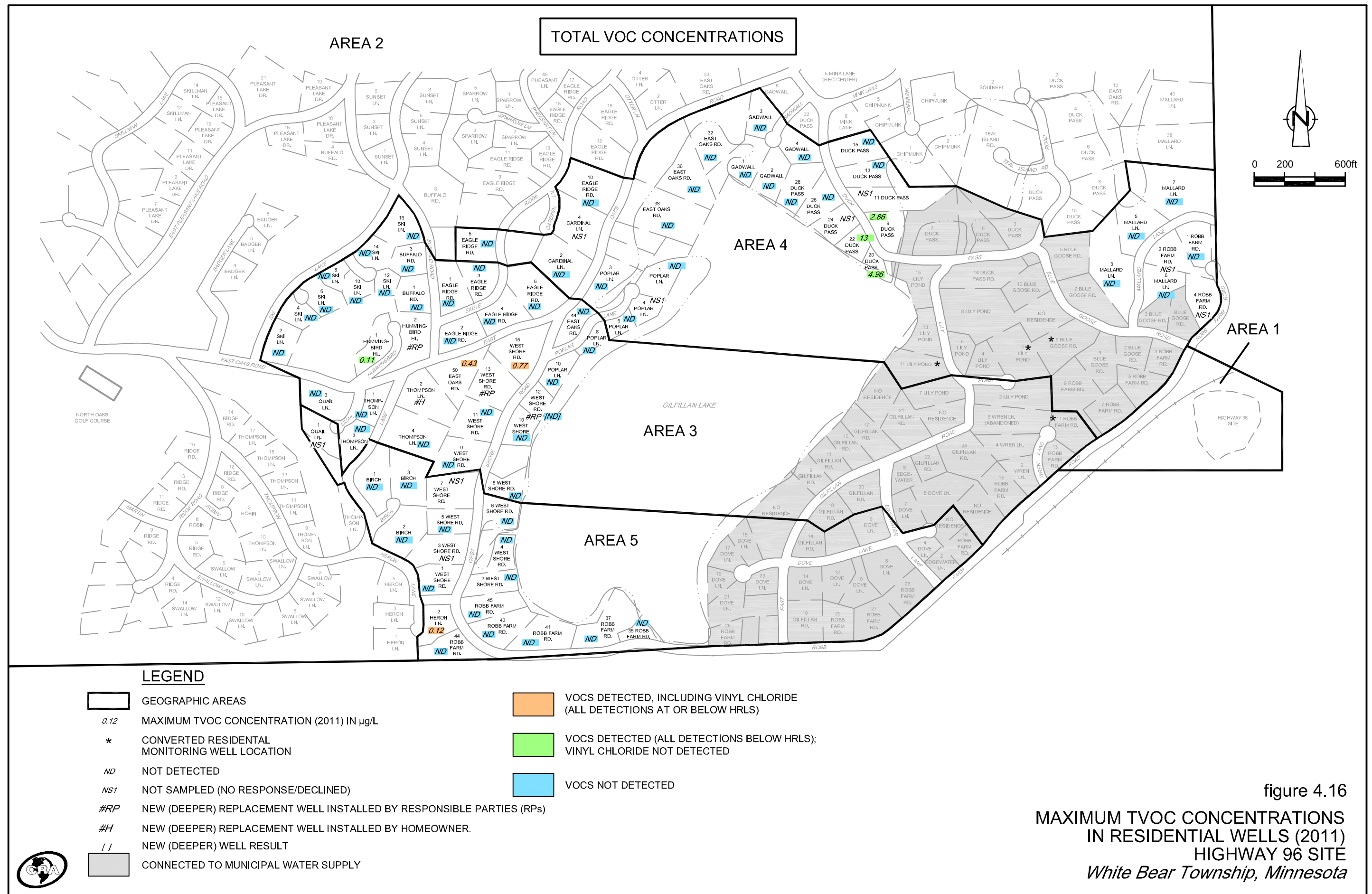
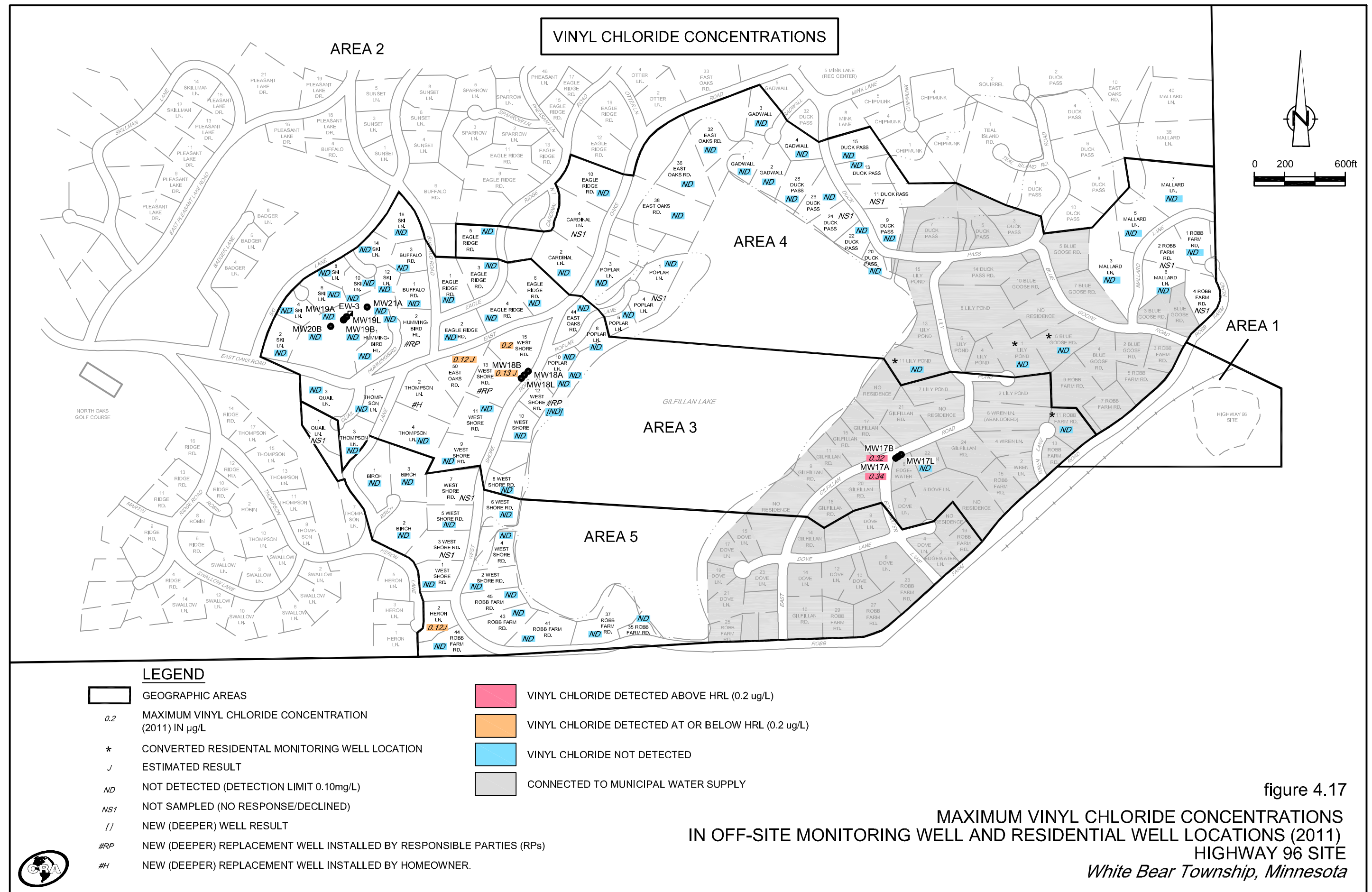


figure 4.13
 TVOCs IN ST. PETER SANDSTONE AQUIFER
 (OCTOBER 2011)
 ON-SITE MONITORING WELL LOCATIONS
 HIGHWAY 96 SITE
White Bear Township, Minnesota









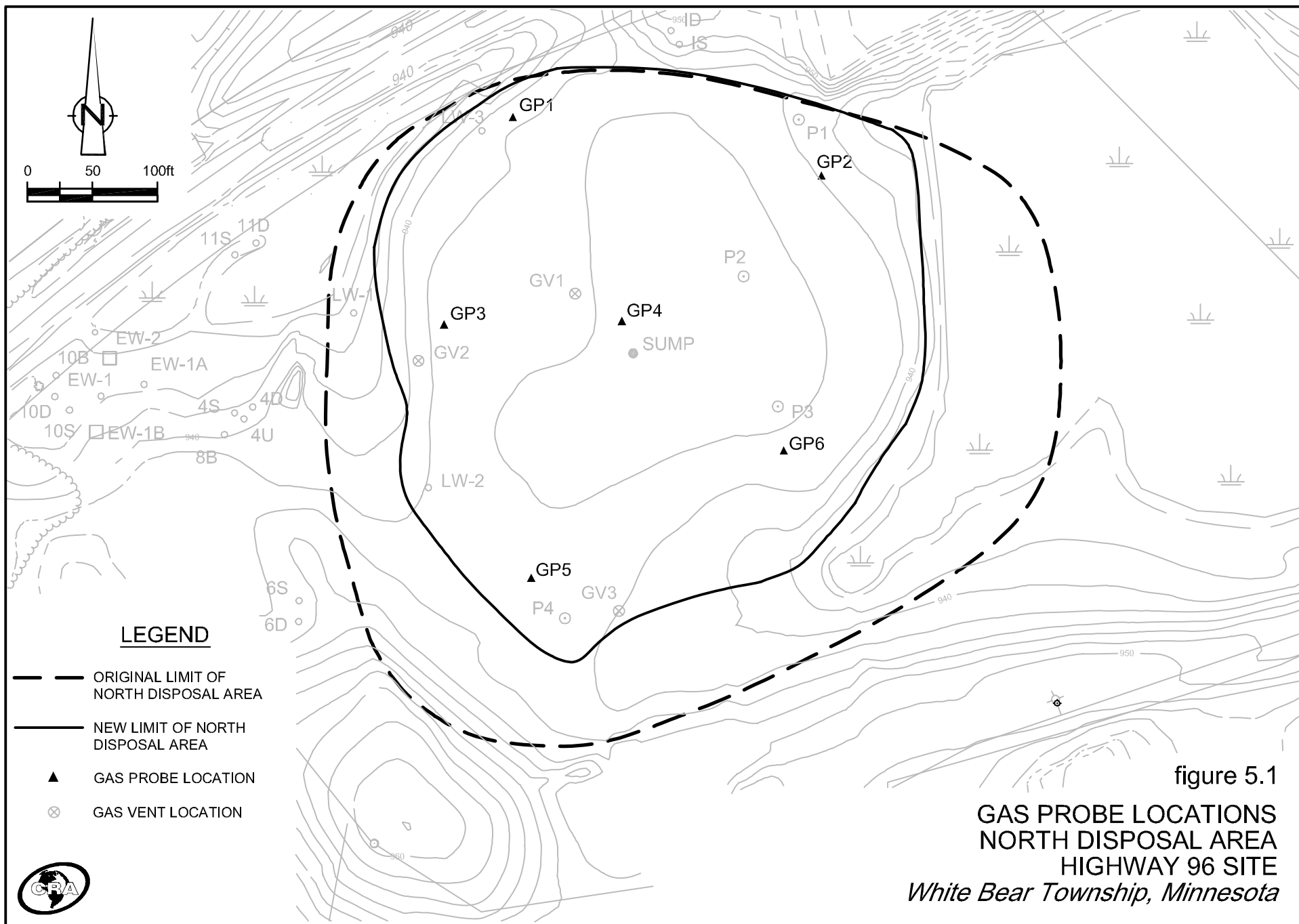


FIGURE 5.2

% COMBUSTIBLE GAS CONCENTRATIONS
GP1
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA

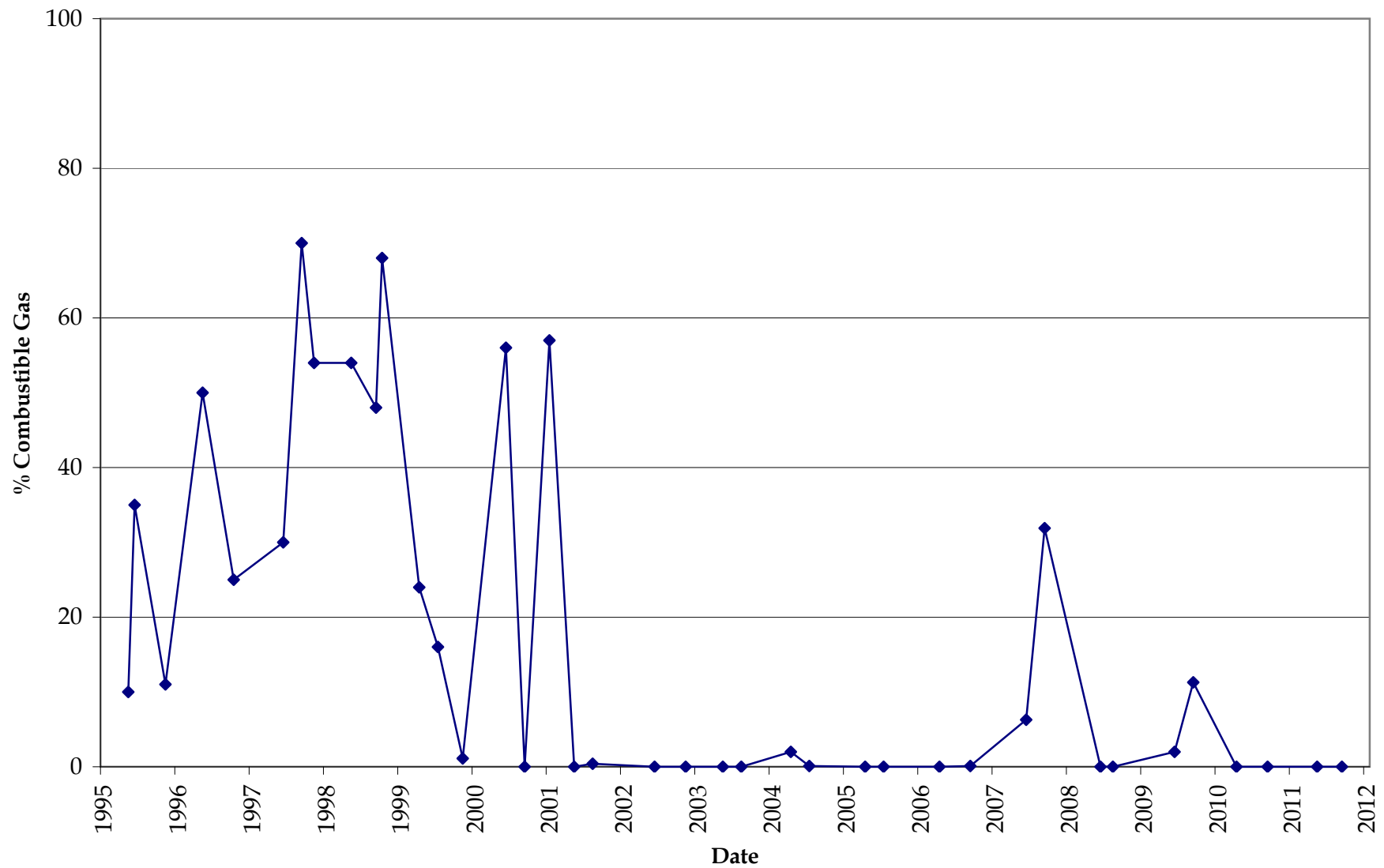


FIGURE 5.3
% COMBUSTIBLE GAS CONCENTRATIONS
GP2
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA

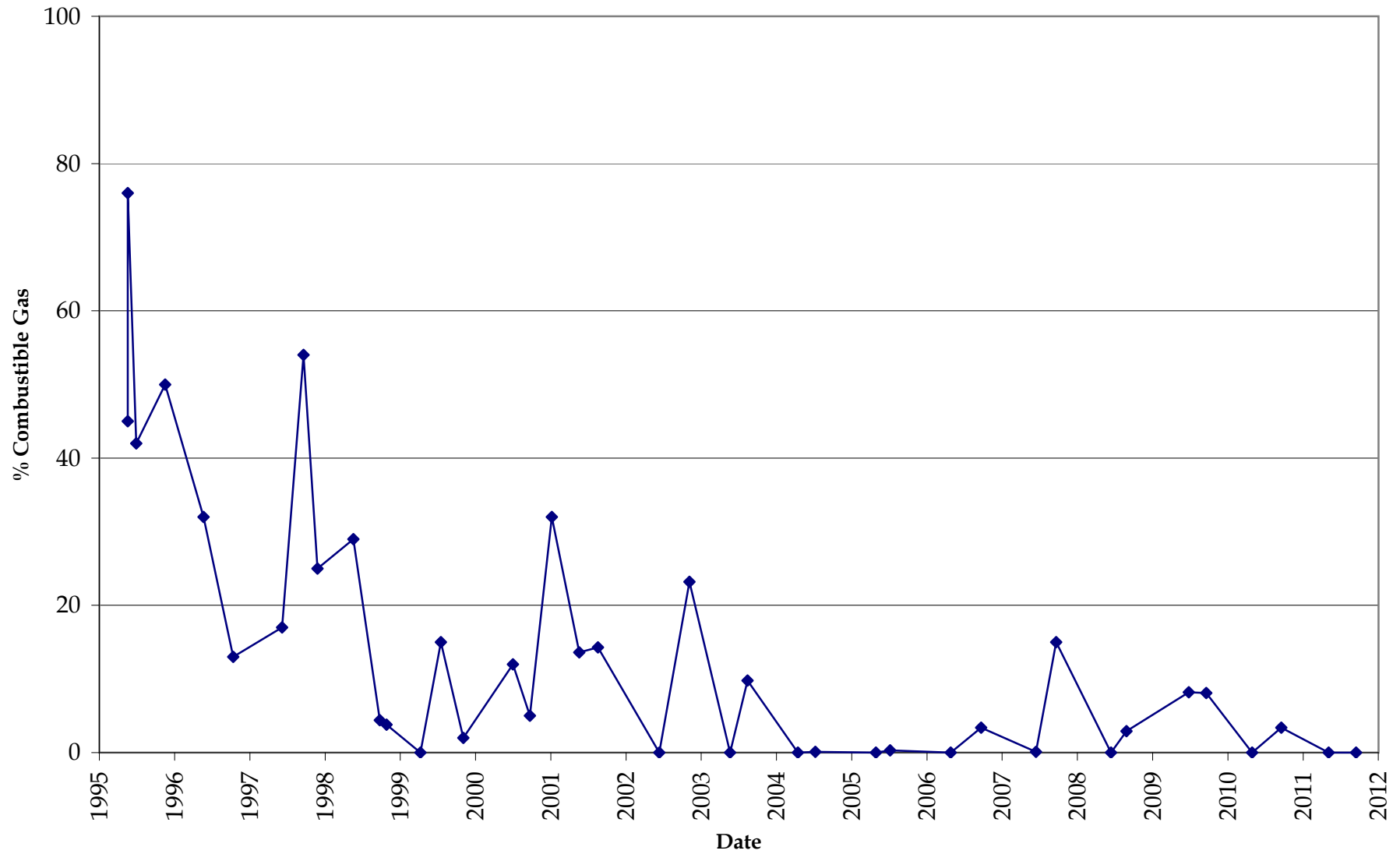


FIGURE 5.4

% COMBUSTIBLE GAS CONCENTRATIONS
GP3
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA

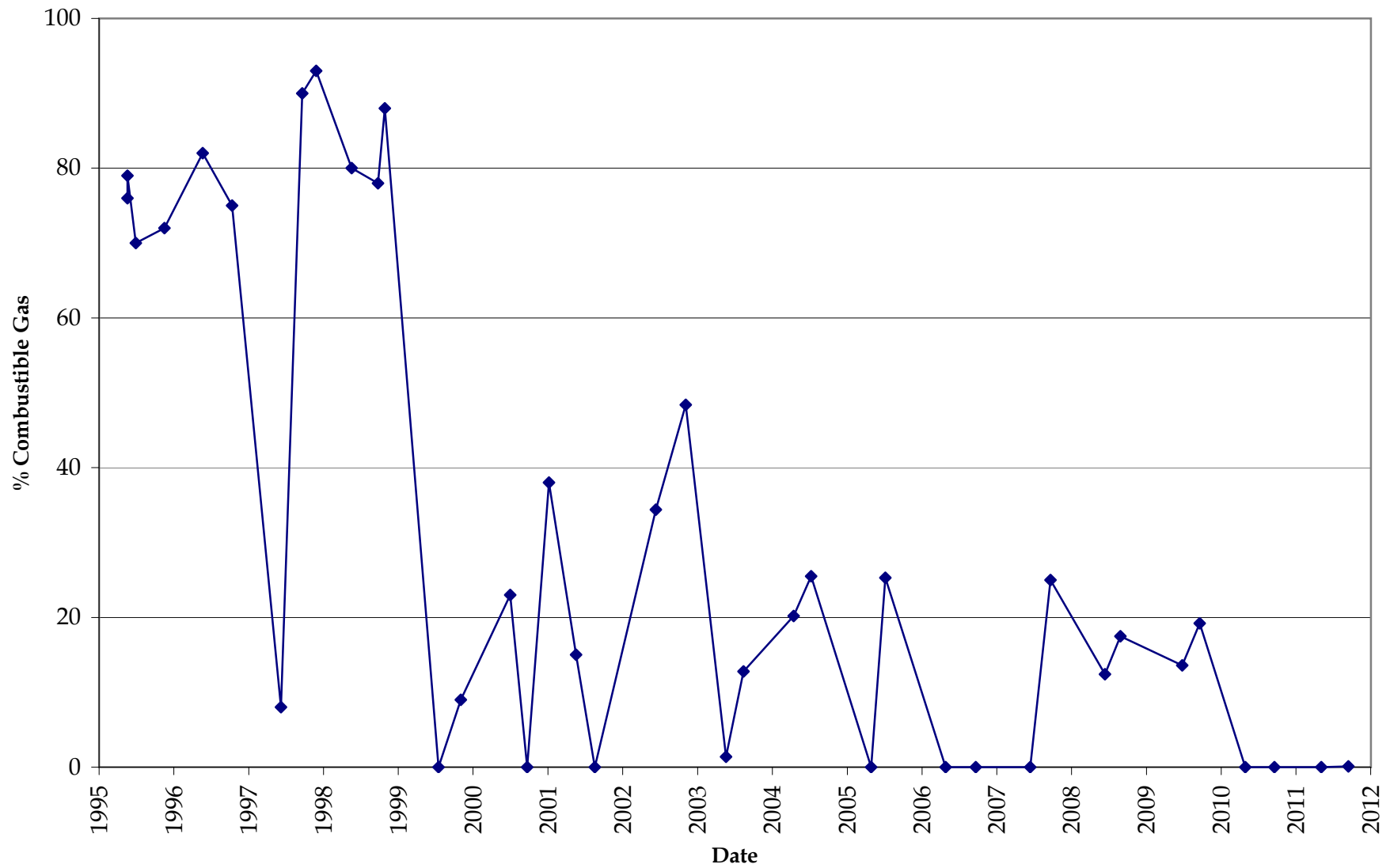


FIGURE 5.5

% COMBUSTIBLE GAS CONCENTRATIONS
GP4
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA

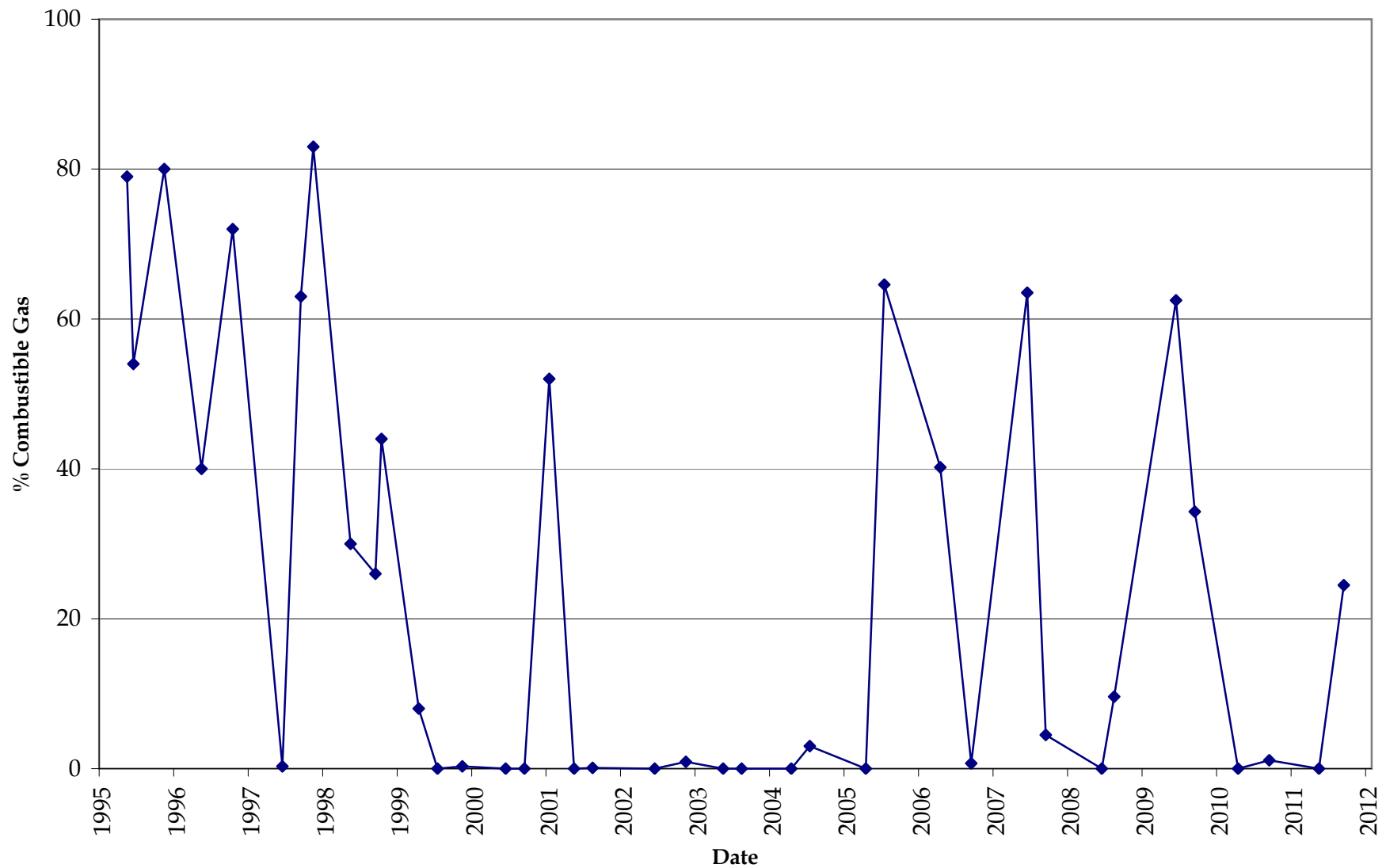


FIGURE 5.6

% COMBUSTIBLE GAS CONCENTRATIONS
GP5
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA

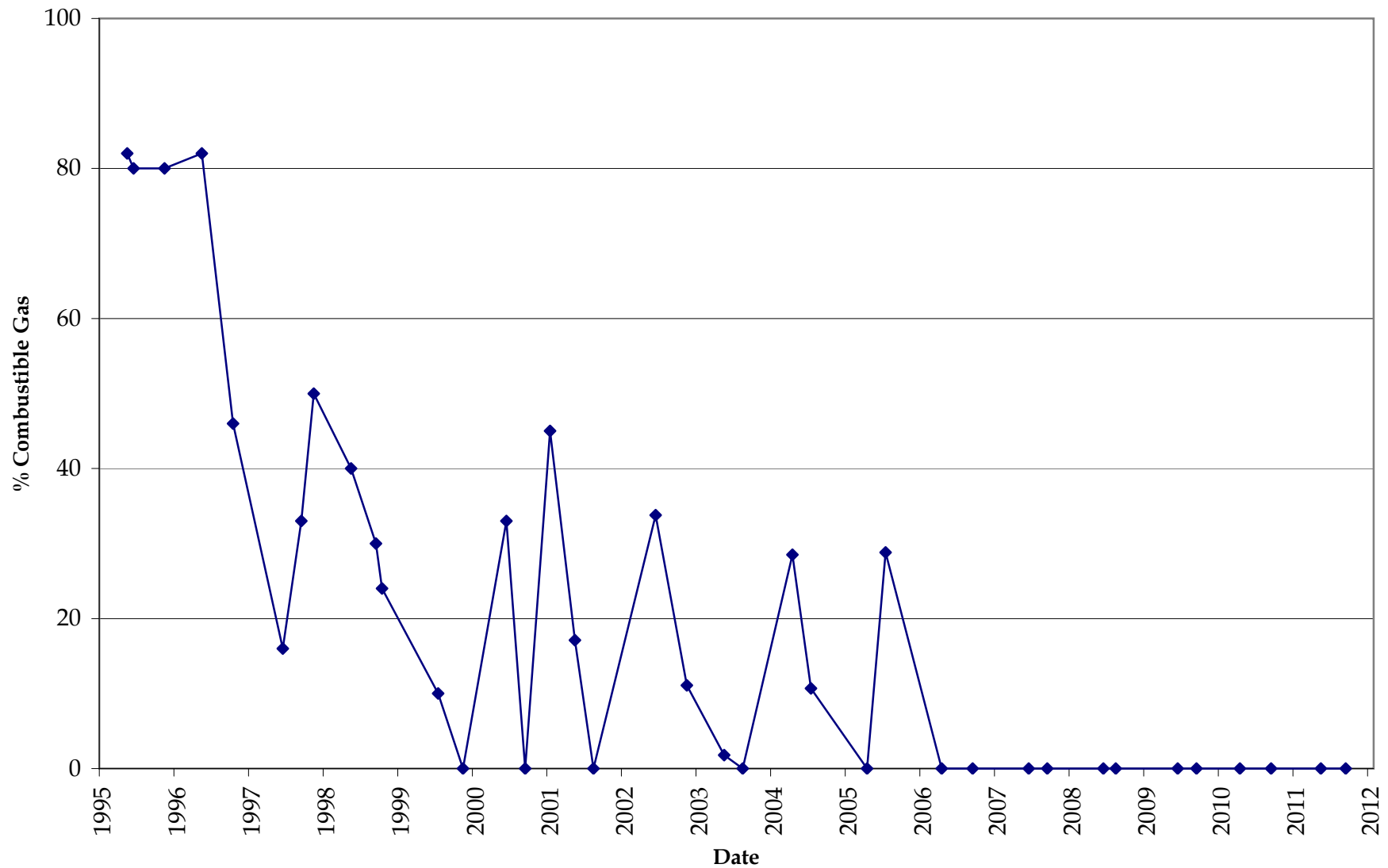


FIGURE 5.7

% COMBUSTIBLE GAS CONCENTRATIONS
GP6
HIGHWAY 96 SITE
WHITE BEAR TOWNSHIP, MINNESOTA

